City of Laguna Hills
City Council / Planning Agency

Regular Meeting Agenda
Tuesday, September 8, 2026 - 6:00 PM
(Closed Session Starts at 5:00 p.m.)

City Council Chamber
24035 El Toro Road
Laguna Hills, CA 92653

Don Caskey
Mayor

Jared Mathis
Mayor Pro Tempore

Erica Pezold
Council Member

Joshua Sweeney
Council Member

Dave Wheeler
Council Member

In Person Public Comments: Any person wishing to address the City Council/Planning Agency on any matter, whether or not it appears on this Agenda, is asked to complete a pink “Request to Speak” form available on the table at the back of the Chamber and submit the form to the City Clerk. The Request to Speak form assists the Mayor in ensuring that all persons wishing to address the City Council are recognized and ensures accurate identification of meeting participants in the City Council/Planning Agency Minutes. Completion of the form is voluntary. It is City policy to limit public testimony to up to three (3) minutes per person, as determined by the Mayor, for Public Comments. If you are commenting on an Agenda item, your comments will be heard at the time that item is scheduled on the Agenda. If you are addressing the City Council on an item not listed on the Agenda, the City Council is prohibited by law from discussing or taking any action on that item.

Submission of Electronic Public Comments: Those wishing to make electronic public comments may submit their comments by email to the City Clerk no later than two (2) hours prior to the start of the meeting on September 8, 2026. In the subject line of the email, please state your name and the item number you are commenting on. Any public comment received that does not specify a particular agenda item number will be announced during the general public comment portion of the agenda. All comments received by the deadline on the date of the meeting will be provided to the City Council and will be provided for public inspection at the meeting. During the applicable agenda item, the City Clerk will announce the name of the sender and subject matter of all electronic comments received by the deadline on September 8, 2026. Email comments will NOT be read by the City Clerk during the meeting. Electronic public comments may only be submitted via email and comments via text and social media (Facebook, X (formerly Twitter), etc.) will not be accepted.

Remote Online Public Comments: Any person wishing to address the City Council/Planning Agency on any matter, whether or not it appears on this Agenda, can do so via two-way telephonic service by calling the number below and entering the meeting ID and passcode. When participating via two-way telephonic service, follow the instructions below to indicate you wish to speak during the meeting. It is City policy to limit public testimony to up to three (3) minutes per person, as determined by the Mayor, for Public Comments. You will be asked to raise your hands via *9. When recognized by the City Clerk using the last four (4) digits of your phone number, unmute your microphone by pressing *6 (Staff will grant permission) and provide comments. At the conclusion of your time, your ability to unmute will be removed by the Host. Remote participants must be present when called and are responsible for ensuring that they are connected and able to hear the meeting.

Two-way Telephonic Service Information:

Telephone Number: 669-444-9171 or 253-215-8782

Meeting ID: 858 5938 2799
Passcode: 92653

Please be mindful that the meeting will be recorded and all rules of decorum apply for in-person and virtual attendees.

For questions or assistance, please contact the City Clerk's Office at (949) 707-2635 or via email.

Closed Session - Convening at 5:00 PM

Call to Order

Resolution No. 96-04-09-1 established rules of decorum for public meetings held by the City of Laguna Hills. Resolution No. 96-04-09-1 is available on the table at the back of the City Council Chamber.

Roll Call of City Council Members

Announcement of Closed Session Item(s)

A. Conference with Legal Counsel - Anticipated Litigation

Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: (1 potential case)

Public Comments on Closed Session Item(s)

Members of the public may address the City Council only on closed session items listed on this Agenda. Public Comments are limited to three

minutes per person, as determined by the Mayor.

Convene into Closed Session

Reconvene

Recess

General Business Convening at 6:00 PM

Call to Order

Resolution No. 96-04-09-1 established rules of decorum for public meetings held by the City of Laguna Hills. Resolution No. 96-04-09-1 is available on the table at the back of the City Council Chamber.

Invocation: Elder Bill Smith of Christ Community Church

Pledge of Allegiance: Councilmember Sweeney

Roll Call of City Council Members

1. Presentations and Proclamations

1.1 Appointment of Laguna Hills High School Student Liaisons and Alternate Student Liaisons

Recommendation: That the City Council presents Certificates of Appointment to the Laguna Hills High School Liaisons.

1.2 Laguna Hills High School Student Liaison Report

Recommendation: That the City Council receive a report from the Laguna Hills High School Student Liaison.

1.3 Hunger Action Month Proclamation

Recommendation: That the City Council issue a Proclamation declaring September as Hunger Action Month.

2. Schedule of Future Events

2.1 Schedule of Future Events

Recommendation: That the City Council receive the schedule of upcoming meetings and events from the Community Services Director.

3. Public Comments

This is the time to address the City Council on any matter not listed on this Agenda that is within the subject matter jurisdiction of the City Council. Public Comments are limited to three minutes per person, as determined by the Mayor.

4. Consent Calendar

All matters listed under “CONSENT CALENDAR” are considered to be routine and will be enacted by one motion approving the recommendation listed on the Agenda. There will be no separate discussion unless Members of the City Council or City staff request specific items be removed from the Consent Calendar.

4.1 Waive Reading in Full of all Ordinances and Resolutions on the Agenda

Recommendation: That the City Council waive reading in full of all ordinances and resolutions on the agenda and declare that said titles which appear on the public agenda shall be determined to have been read by title and further reading waived.

4.2 Approval of the Minutes for the August 25, 2026, Regular Meeting

Recommendation: That the City Council approve the City Council/Planning Agency Minutes for the August 25, 2026, Regular Meeting.

4.3 Ratification of September 8, 2026 Warrant Register

Recommendation: That the City Council ratify the accompanying Warrant Register for the period from August 14, 2026, to August 27, 2026, in the amount of $437,649.11.

4.4 Authority to Advertise for Construction, FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170

Recommendation: That the City Council: 1. Approve the plans and specifications for the FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170; 2. Authorize the advertisement for bids for FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170; 3. Authorize the City Engineer to make minor edits to the plans and specifications as necessary prior to bidding; and 4. Find that environmental review is not required under the California Environmental Quality Act (CEQA) pursuant to the California Code of Regulations, Title 14, Chapter 3,

Section 15301 as a Class 1 Categorical Exemption - “Existing Facilities."

4.5 Amendment No. 1 to Professional Services Agreement with Advantec Consulting Engineers, Inc. for Regional Traffic Signal Synchronization Program for Avenida de la Carlota

Recommendation: That the City Council: 1. Approve Amendment No. 1 to Professional Services Agreement with Advantec Consulting Engineers, Inc. for Regional Traffic Signal Synchronization Program for Avenida de la Carlota; 2. Authorize the City Attorney to make minor modifications as may be necessary to execute the Amendment; and 3. Authorize the City Manager to sign the Amendment.

Items Removed from the Consent Calendar

5. Administrative Reports

5.1 City Manager

5.2 Assistant City Manager

5.2.1 Proposed Resolution Implementing a Residential Permit Parking Program for Streets Around Beckenham Park (Camberwell Street, Hendon Street, Calle Carmel, Via Balboa, Avenida Avalon, Luton Street, and Costeau Street)

Recommendation: That the City Council: 1. Find and determine that the proposed permit parking controls are not subject to the California Environmental Quality Act pursuant to Sections 15060(c)(2) (the activity will not result in a direct or reasonably foreseeable indirect physical change in the environment) and 15060(c)(3) (the activity is not a project as defined in Section 15378) of the CEQA Guidelines, Cal. Code of Regs, Title 14, Chapter 3, because it has no potential for resulting in physical change to the environment, directly or indirectly; 2. Adopt a Resolution entitled, "A Resolution of the City Council of the City of Laguna Hills, California, Establishing a Residential Permit Parking Area and a No Parking Zone During Days and Hours of Street Sweeping on Certain Streets around Beckenham Park;" 3. Receive and file a presentation from City staff regarding the costs and steps required to implement alternating side street sweeping, subsidize residential parking permits citywide, and process to petition for additional permit parking areas; 4. Direct City staff and Police Services to send educational notification letters to residents within the newly established residential permit parking area and to conduct a warning period for enforcement; and 5. Direct City staff

to return to City Council in approximately six months with a staff report reviewing the effects of residential permit parking around Beckenham Park.

5.2.2 Discussion of Parking on the North Side of Laguna Hills Drive between Indian Hill Lane and Paseo de Valencia

Recommendation: That the City Council provide direction to City staff.

5.3 Chief of Police Services

5.3.1 Public Safety Update

Recommendation: That the City Council receives and files the report.

6. City Council Member Committee Reports

6.1 Committee Assignment Reports

Recommendation: That the City Council receive reports from the City Councilmembers on the City Council Committee Assignments listed on the attachment.

7. City Council Member Comments

Adjournment

The next Regular Meeting of the City Council/Planning Agency will be September 22, 2026, at 6:00p.m., in the City Council Chamber, located at 24035 El Toro Road, Laguna Hills, California.

CERTIFICATION

I, JOSHUA STEVENSON, City Clerk of the City of Laguna Hills, do hereby certify that a copy of the foregoing Agenda was posted at Laguna Hills City Hall, Laguna Hills Community Center, and Knotty Pine Park by September 3, 2026, at 5:00p.m.

Joshua Stevenson, City Clerk

It is the intention of the City of Laguna Hills to comply with the Americans with Disabilities Act in all respects. If as an attendee or a participant at this meeting you will need special assistance beyond what is normally provided, the City of Laguna Hills will attempt to accommodate you in every reasonable manner. Please contact the office of the City Clerk at (949) 707-2635. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to assure accessibility to this meeting.

Materials related to an item on this Agenda submitted to the City Council after distribution of the agenda packet are available for public inspection in the City Clerk's Office at 24035 El Toro Road, Laguna Hills, California, during normal business hours. In addition, such writings or documents will be made available for public review on the Agenda and Minutes public portal website and at the respective public meeting.

City Council Members receive no additional compensation or stipend as a result of simultaneously convening meetings of the Laguna Hills Planning Agency.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Joshua Stevenson, City Clerk
Issue: Appointment of Laguna Hills High School Student Liaisons and Alternate Student Liaisons

Recommendation: That the City Council presents Certificates of Appointment to the Laguna Hills High School Liaisons.

Background:

By action of the City Council on July 27, 1993, the City of Laguna Hills and Laguna Hills High School established a Student Liaison Program to create a direct link between Laguna Hills High School and the City Council. The Laguna Hills High School Parent, Teacher, and Student Association (PTSA) chooses two students each year to serve as Student Liaisons and two students to serve as the Alternate Student Liaisons.

The students chosen this year are Olivia Huang, Marissa Allen, Daniel Markevich, and Sophia Kim.

The City Clerk met with the chosen liaisons before the meeting to administer the Oath of Office.

Fiscal Impact:

There is no fiscal impact associated with the student liaison program.

Attachments:

1. 20260908_Certificates_Cert. of Appointment_2026 Student Liaisons

CITY OF LAGUNA HILLS

CERTIFICATE OF APPOINTMENT

be it known that

DANIEL MARKEVICH

on September 8, 2026, took the Oath of Office and on this date began serving as the

STUDENT LIAISON

for the City of Laguna Hills

Dated this 8th day of September 2026.

DON CASKEY, MAYOR

CITY OF LAGUNA HILLS

CERTIFICATE OF APPOINTMENT

be it known that

MARISSA ALLEN

on September 8, 2026, took the Oath of Office and on this date began serving as the

STUDENT LIAISON

for the City of Laguna Hills

Dated this 8th day of September 2026.

DON CASKEY, MAYOR

CITY OF LAGUNA HILLS

CERTIFICATE OF APPOINTMENT

be it known that

SOPHIA KIM

on September 8, 2026, took the Oath of Office and on this date began serving as the

STUDENT LIAISON

for the City of Laguna Hills

Dated this 8th day of September 2026.

DON CASKEY, MAYOR

CITY OF LAGUNA HILLS

CERTIFICATE OF APPOINTMENT

be it known that

OLIVIA HUANG

on September 8, 2026, took the Oath of Office and on this date began serving as the

STUDENT LIAISON

for the City of Laguna Hills

Dated this 8th day of September 2026.

DON CASKEY, MAYOR

July 22, 2026

Dear Mayor Caskey,

Many of our Orange County neighbors experience food and nutritional insecurity on a regular basis. The high cost of living here in Orange County causes many working families to still struggle to put food on the table.

Hunger Action Month is a national effort to raise awareness of the levels of food and nutritional insecurity in our communities and to inspire the public to take action. We appreciate your consideration to recognize and designate **September as Hunger Action Month (HAM)** in Laguna Hills. We have included a sample proclamation template for your city staff, if helpful.

If you are able to recognize Hunger Action Month in the city of Laguna Hills, we would welcome the opportunity for a member of the OC Hunger Alliance to come to council for the recognition and to say a few short words highlighting the occasion.

Thank you for your continued support of hunger issues here in Orange County.

On behalf of the OC Hunger Alliance,

Mark Lowry
Director, Orange County Food Bank

Mike Learakos
CEO, Abound Food Care

Claudia Bonilla Keller
CEO, Second Harvest Food Bank of Orange County

CITY OF LAGUNA HILLS

Proclamation

2026 Hunger Action Month

***WHEREAS**, hunger and poverty are issues of vital concern in California, where approximately 22% of California households and 27% of households with children experience food insecurity; and*

***WHEREAS**, everyone needs nutritious food to thrive, and people are working hard to provide for themselves and their families—yet over 387,000 individuals, including over 112,000 children – that's 1 in 6 children, here in Orange County are food insecure; and*

***WHEREAS**, the City of Laguna Hills is committed to taking steps to combat hunger in every part of our community and to provide additional resources that those in Laguna Hills need; and*

***WHEREAS**, the City of Laguna Hills is committed to working with the OC Hunger Alliance in educating people about the role and importance of food banks and the charitable food system in addressing hunger, raising awareness of the need to devote more resources and attention to hunger issues, and working collaboratively to optimize the food system and address food insecurity as a symptom of poverty; and*

***WHEREAS**, in 2025, Orange County Food Bank and Second Harvest Food Bank collectively recorded an average of 808,473 individual food distribution visits per month from our community members facing food insecurity and distributed 72,837,548 pounds of food through their partner networks of food pantries at senior centers, schools, colleges, universities, houses of worship, soup kitchens, shelters, and other community organizations; and*

***WHEREAS**, Abound Food Care helps to facilitate the recovery of over 25 million pounds of excess edible food in Orange county each year, reducing food waste and providing that food to those who need it; and*

***WHEREAS**, 2-1-1 Orange County received 15,563 calls from Orange County residents seeking food assistance and were connected by 37,962 referrals to food pantries in the past year; and*

***WHEREAS**, Meals on Wheels Orange County prepared and delivered 1,272,026 meals in 2025, providing older adults and vulnerable neighbors with vital nutrition, compassionate support, and services promoting health, independence, and dignity; and*

***WHEREAS**, the month of September has been designated "Hunger Action Month" in order to bring attention to food insecurity in our communities and to enlist the public in the movement to end hunger by taking action – including volunteering, donating, and advocating – to ensure every community, and everybody in it, has the food they need to thrive; and*

***WHEREAS**, food banks and other organizations across the country, including the members of the OC Hunger Alliance, will host events throughout the month of September to bring awareness and help end food insecurity in our local community;*

***NOW, THEREFORE**, I, Don Caskey, Mayor, on behalf of the City Council of the City of Laguna Hills, California, do hereby proclaim September 2026 as Hunger Action Month in the City of Laguna Hills, California, and I call this observance to the attention of our citizens.*

Dated this 8th day of September, 2026

Don Caskey, Mayor

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Holland Gannon, Community Services Director
Issue: Schedule of Future Events

Recommendation: That the Community Services Director announce the upcoming meetings and events.

Meetings:

Events, Communication, and Beautification Regular Meeting
Monday, September 14th, 10:00 a.m., Laguna Hills Civic Center Admin Conference Room

Traffic Commission Regular Meeting
Wednesday, September 16th, 6:00 p.m., Laguna Hills Civic Center Council Chamber

City Council/Planning Agency Regular Meetings
Tuesday, September 22nd, 6:00 p.m., Laguna Hills Civic Center Council Chamber
Tuesday, October 13th, 6:00 p.m., Laguna Hills Civic Center Council Chamber

Events:

Excursion to California Botanic Garden
Wednesday, September 9th, 11:30 a.m. – 7:00 p.m., meet at Laguna Hills Community Center

Let's Make Workshop
Wednesday, September 9th, 4:00 p.m., Laguna Hills Community Center Classroom

Excursion and Bonfire at Huntington Beach
Friday, September 11th, 3:00 p.m. – 10:00 p.m., meet at Laguna Hills Community Center

Global Harmony Symphony: 'Moment Musicale' Zola Trio
Tuesday, September 15th, 1:00 p.m., Laguna Hills Community Center Heritage Room

California Coastal Cleanup Day
Saturday, September 19th, 9:00 a.m.-12:00 p.m., Laguna Hills Community Center

Excursion to a Hindu Temple
Saturday, September 19th, 12:30 p.m. – 7:00 p.m., meet at Laguna Hills Community Center

Excursion to Solvang's Danish Days
Sunday, September 20th, 7:00 a.m. – 7:00 p.m., meet at Laguna Hills Community Center

Harvest in the Hills
Saturday, October 10th, 4:00 p.m. – 6:00 p.m., Laguna Hills Community Center Town Green

Circle of Friends Halloween Dance
Friday, October 16th, 6:00 p.m. – 8:00 p.m., Laguna Hills Community Center Heritage Room

Attachments:

1. Event and Activities Flyer(s)

Excursion to California Botanic Garden

California's largest botanic garden dedicated exclusively to native plants located in Claremont, CA, spans 86 acres and offers panoramic vistas of the San Gabriel Mountains. Wander through beautifully curated collections showcasing the state's diverse ecosystems, including chaparral, oak woodlands, deserts, and coastal sage scrub. This peaceful setting highlights California's remarkable plant diversity while offering scenic walking paths and opportunities for nature observation and photography. Be sure to bring water, some snacks/sack lunch or purchase from the nearby food eateries after our visit. Participants meet at the Laguna Hills Community Center where City staff will provide transportation to the trailhead. **No refunds or transfers for this event.**

***Registration starts on August 10, 2026** **Class# 2608**

9/9 11:30AM-7:00PM Wednesday

Fee: Resident $20, Non-Resident $25

Like us on at www.facebook.com/lagunahillscc

To register or for more information, please call (949) 707-2680 or visit www.lagunahillsca.gov

LET'S MAKE WORKSHOP

Presented by the Laguna Hills Community Center & Laguna Hills Library

EVERY 2ND WEDNESDAY OF THE MONTH AT 4:00 PM

All ages welcome!

No registration required!

25555 Alicia Pkwy
Laguna Hills, CA 92653

Excursion and Bonfire at Huntington Beach

Enjoy a relaxing coastal outing at Huntington Beach State Park, combining a scenic beach day with a classic sunset bonfire. Take time to walk the shoreline, enjoy ocean views, and unwind by the waves before gathering around the fire as the sun sets over the Pacific. Participants can roast marshmallows, share food and stories, and take in the sounds of the ocean in a warm, social setting. Please bring blankets or beach chairs, layered clothing for cooler evenings, water, snacks or bonfire food items, and comfortable shoes for walking on the sand. Participants meet at the Laguna Hills Community Center where City staff will provide transportation. Call (949) 707- 2680 for more information. **No refunds or transfers for this event.**

***Registration starts on August 10, 2026** **Class# 2609**

9/11 3:00PM-10:00PM Friday

Fee: Resident $15, Non-Resident $20

Like us on at www.facebook.com/lagunahillscc

To register or for more information, please call (949) 707-2680 or visit www.lagunahillsca.gov

GLOBAL HARMONY
SYMPHONY
PRESENTS

Moment Musicale

ZOLA TRIO

FEATURING

SHELBY WONG — PIANO
CHLOE HONG — VIOLIN
DANNY O'CONNELL — CELLO

TUESDAY, SEPTEMBER 15, 2026

DOORS OPEN 12:30PM
PERFORMANCE 1:00PM

LAGUNA HILLS COMMUNITY CENTER
25555 ALICIA PKWY, LAGUNA HILLS

FREE ADMISSION & FREE PARKING
SUGGESTED DONATION $10

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By **Orange County Coastkeeper**

COASTAL CLEANUP DAY 2026 - LAGUNA HILLS COMMUNITY CENTER - CITY OF LH

Sep 19 · 9:00 AM
Laguna Hills Community Center
Laguna Hills

Excursion to Indian Temple

Visit the beautiful BAPS Shri Swaminarayan Mandir, a traditional Hindu temple known for its stunning hand-carved stone architecture and peaceful surroundings. This excursion offers a chance to explore Hindu culture, spirituality, and craftsmanship while walking through the ornate temple complex and learning about its traditions. Visitors can also enjoy authentic vegetarian food available at the on-site cafeteria and browse items at the grocery store. The experience combines cultural discovery, reflection, and a taste of traditional Indian cuisine in a serene setting. Participants meet at the Laguna Hills Community Center where City staff will provide transportation. Call (949) 707-2680 for more information. **No refunds or transfers for this event.**

***Registration starts on August 10, 2026** **Class# 2610**

9/19 12:30PM-7:00PM Saturday

Fee: Resident $15, Non-Resident $20

Like us on at www.facebook.com/lagunahillscc
To register or for more information, please call (949) 707-2680 or visit www.lagunahillsca.gov

Excursion to Solvang's Danish Days

Join us as we travel via van to Solvang to celebrate California's premier Danish heritage festival. Danish Days celebrates Solvang's heritage with authentic food, music, dancing, parades, live entertainment and family activities. The 2026 Solvang Danish Days theme is "Solen over dalen," which translates to "Sun over the Valley". The event marks the 89th year of this beloved, annual cultural celebration. Bring a sack lunch or purchase while exploring Solvang. Be sure to dress in layers, bring plenty of water, and wear good footwear. Participants meet at the Laguna Hills Community Center where City staff will provide transportation. Call (949) 707-2680 for more information. **No refunds or transfers for this event.**

***Registration starts on August 10, 2026** **Class# 2611**

9/20 7:00AM-7:00PM Sunday

Fee: Resident $35, Non-Resident $40

Like us on at www.facebook.com/lagunahillscc

To register or for more information, please call (949) 707-2680 or visit www.lagunahillsca.gov

Harvest IN THE Hills

ENTERTAINMENT-FOOD-FUN

OCTOBER 10, 2026

25555 ALICIA PKWY ~ EVENT STARTS AT 4PM

Join the City of Laguna Hills on the Town Green for an evening filled with fall fun and family friendly activities.
4PM-6PM: Community partners expo, crafts, backyard games, face painting, and more
4:15PM/4:30PM/4:45PM: Polly's Apple Pie Eating Contest
5PM-6PM: Magic Show at the Gazebo
Food will be available for purchase

moulton niguel water district

hoag.

POLLY'S PIES

I Can Academy TUTORING

PUMPKIN CITY est. 1978 CREATING MEMORIES, ONE SEASON AT A TIME

SOUTH COAST EYE CARE CENTERS
A COMPREHENSIVE OPHTHALMOLOGY MEDICAL GROUP, INC.
Caring for your most precious resource

CIRCLE OF FRIENDS

HALLOWEEN DANCE

OCT 16 AT 6 PM

FREE EVENT REGISTER ONLINE

25555 ALICIA PKWY
LAGUNA HILLS, CA 92653
LAGUNAHILLSCA.GOV

DINNER
TREATS
DANCING
REFRESHMENTS

MINUTES
City Council / Planning Agency Regular Meeting

Tuesday, August 25, 2026

A Regular Meeting of the City Council / Planning Agency of the City of Laguna Hills, California, was called to order by Mayor Caskey at 6:00 p.m., on August 25, 2026, in the City Council Chambers at 24035 El Toro Road, Laguna Hills, California.

A complete copy of the agenda for the meeting containing all items as shown herein was posted by 5:00 p.m. on August 21, 2026, on the outdoor bulletin board at Laguna Hills City Hall. A copy was also posted at Laguna Hills Community Center and Knotty Pine Park.

Call to Order

Mayor Caskey called the meeting to order at 6:00 p.m. upon determining a quorum of the Council was present.

Invocation: Elder Jeff Anderson of Christ Community Church

Mayor Caskey called for the Invocation. The Invocation was given by Elder Jeff Anderson of Christ Community Church.

Pledge of Allegiance: Councilmember Pezold

Mayor Caskey called for the Pledge of Allegiance. The Pledge was led by Councilmember Pezold.

Roll Call of City Council Members

Present: Mayor Don Caskey
Mayor Pro Tempore Jared Mathis
Council Member Erica Pezold
Council Member Joshua Sweeney
Council Member Dave Wheeler

Absent: None

Mayor Caskey called for the following item out of order.

5. Administrative Reports

5.3 Community Services Director

5.3.1 Proposed Update to the City of Laguna Hills Banner Program

Recommendation: That the City Council discuss the provided Street Pole Banner options and provide direction to Staff.

Mayor called for the item

Director Holland gave the staff report

Principal of Laguna Hills High School spoke regarding this item.

Council, Staff, and Principal had discussion regarding this item.

Mayor Pro Tem Mathis moved to approve proposal option #3. Seconded by Councilmember Sweeney.

Councilmember Pezold made a substitute motion to approve option #3 and for the City to work with the School to create a program to have parents help pay for the program.

The motion did not receive a second. The motion died on the floor.

A motion to approve Proposed Option #3 was moved by Mayor Pro Tempore Mathis, seconded by Council Member Sweeney.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Pezold, Wheeler, Caskey, Sweeney, Mathis
Nays:	None
Abstain:	None

1.1 Wildfire Awareness and Prevention Season Proclamation

Recommendation: That the City Council issue a Proclamation declaring mid-summer to early autumn as "Wildfire Awareness and Prevention Season" and that Mayor Caskey present the Proclamation to Reid Gibson, Division Chief, Orange County Fire Authority.

Mayor called for the item.

Mayor Pro Tem Mathis read the proclamation

Mayor Caskey declared mid-summer to early autumn as Wildfire Awareness and Prevention Season.

Chief Gibson spoke regarding this item. An OCFA educator spoke regarding this item.

Council Members Pezold and Sweeney spoke regarding this item.

1.2 El Toro Road/Interstate 5 Interchange Project Update

City Attorney Burns recused himself due to a conflict of interest

Mayor called for this item.

Representatives of OCTA gave the presentation.

Council and the representatives from OCTA had discussion regarding this item.

No action was taken regarding this item.

2. Schedule of Future Events

2.1 Schedule of Future Events

Mayor Caskey called for the Schedule of Future Events.

Community Services Director Gannon presented the Schedule of Future Events.

3. Public Comments

Mayor Caskey called for Public Comments on items not on the agenda.

YiNing Wang spoke regarding the Massage Establishments Moratorium and her business.

5. Administrative Reports

5.2 Assistant City Manager

5.2.1 Review of Petitions Received Regarding the Establishment of Proposed Residential Permit Parking District(s) for Camberwell Street, Hendon Street, Calle Carmel, Via Balboa, Avenida Avalon, Luton Street, Costeau Street, Salford Street, Derby Circle, York

Circle, Sunset Place West, Sunset Place East, and Sunset Place

Recommendation: That the City Council discuss and provide direction on a proposed residential permit parking district.

Mayor Caskey called for this item.

Assistant City Manager Ames presented the staff report.

Mayor Caskey called for public comment on this item.

Curtis Van Buskirk spoke in favor of this item.

Staff answered the Council's questions.

Councilmember Sweeney motioned to direct staff to return with a plan using alignment 5A and the following: 1) that Staff return with an equitable citywide option for the city to absorb the cost of the standard resident and guest permits; 2) an alternating side or staggered street sweeping schedule that preserves necessary service; 3) an evaluation of additional overnight parking on the north side of Laguna Hills Drive; 4) a resident education and warning period before citations; 5) a process for monitoring displaced parking and allowing adjoining streets to petition for inclusion; and 6) a six-month review of effectiveness, enforcement, resident concerns, and unintended consequences. The motion was seconded by Mayor Pro Tem Mathis.

A motion to approve staff's recommendation of 5A and six other points was moved by Council Member Sweeney, seconded by Mayor Pro Tempore Mathis.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Sweeney, Pezold, Mathis, Wheeler, Caskey
Nays:	None
Abstain:	None

4. Consent Calendar

Mayor Caskey called for the Consent Calendar.

Councilmember Wheeler requested the following items to be considered

individually: 4.6, 4.7, 4.8, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.19.

A motion to approve the remaining Consent Calendar was moved by Council Member Sweeney, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Mathis, Pezold, Caskey, Wheeler, Sweeney
Nays:	None
Abstain:	None

4.1 Waive Reading in Full of all Ordinances and Resolutions on the Agenda

Waived reading in full of all ordinances and resolutions on the agenda and declared that said titles which appear on the public agenda shall be determined to have been read by title and further reading waived.

4.2 Approval of Minutes for July 14, 2026, Special Meeting

Approved the City Council/Planning Agency Minutes for the July 14, 2026, Special Meeting.

4.3 Approval of Minutes for July 14, 2026, Regular Meeting

Approved the City Council/Planning Agency Minutes for the July 14, 2026, Regular Meeting.

4.4 Approval of Minutes for August 19, 2026, Special Meeting

Approved the City Council/Planning Agency Minutes for the August 19, 2026, Special Meeting.

4.5 Ratification of August 25, 2026 Warrant Register

Ratified the accompanying Warrant Register for the period from July 3, 2026, to August 13, 2026, in the amount of $5,323,199.96.

4.9 Approval of Amended Memorandum of Understanding with SDRMA for Employee Health Insurance Program

Approved the Resolution authorizing continued participation in SDRMA's Health Insurance Program and authorize City Staff to sign the amended Memorandum of Understanding.

4.18 City's Conflict of Interest Code Update

Adopted a Resolution entitled: "A Resolution of the City Council of the City of

Laguna Hills, California, Adopting an Updated Conflict of Interest Code and Rescinding Resolution No. 2024-08-27-2"

Items Removed from the Consent Calendar

Mayor Caskey recessed the meeting at 8:28 p.m.

Mayor Caskey reconvened the meeting at 8:37 p.m.

4.6 Treasurer's Investment Report for June 2026

Recommendation: That the City Council receive and file the Treasurer's Investment Report for the month of June 2026.

Mayor Caskey called for this item.

Councilmember Wheeler spoke regarding this item.

Staff answered Council’s questions.

A motion to approve staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes: Mathis, Sweeney, Caskey, Wheeler, Pezold
Nays: None
Abstain: None

4.7 Treasurer's Investment Report for July 2026

Recommendation: That the City Council receive and file the Treasurer's Investment Report for the month of July 2026.

Mayor Caskey called for this item.

A motion to Approve staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes: Mayor Pro Tempore Mathis, Council Member Wheeler, Council Member Sweeney, Council Member Pezold, Mayor Caskey
Nays: None

Abstain: None

4.8 Informal Bidding Ordinance Use Quarterly Report for Public Works Projects

Recommendation: That the City Council receive and file the report.
Mayor Caskey called for this item.

A motion to Approve staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Sweeney.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Mayor Pro Tempore Mathis, Council Member Sweeney, Council Member Pezold, Mayor Caskey, Council Member Wheeler
Nays:	None
Abstain:	None

4.10 2026 Holiday Lighting and Decorations Agreement with Shine Creations LLC (formerly The Christmas Kings)

Recommendation: That the City Council: 1) Waive competitive formal bidding requirements and procedures set forth in the City of Laguna Hills Municipal Code (LHMC) Section 3-08.090 with regard to approval of the proposed Holiday Lighting and Decorations Agreement with Shine Creations LLC (formerly The Christmas Kings,) as it is hereby found and determined, pursuant to LHMC Section 3-08.110, that the recommended contract is for entertainment services and community support; and 2) Approve the proposed Holiday Lighting and Decorations Agreement and authorize the City Manager to execute the Agreement.

Mayor Caskey called for this item

Councilmember Wheeler and Pezold spoke regarding this item.

Council and Staff had discussion regarding this item.

A motion to approve staff's recommendation and direct Staff to work with Mayor Caskey regarding the decorations with the authorization to utilize the

entire line item budget was moved by Council Member Wheeler, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Wheeler, Caskey, Mathis, Pezold, Sweeney
Nays:	None
Abstain:	None

4.11 2026 Holiday Event Series Pre-Event Report

Recommendation: That the City Council receive and file the 2026 Holiday Event Series Pre-Event Report.

Mayor Caskey called for this item.

Councilmember Pezold spoke regarding this item.

Council had discussion regarding this item.

A motion to approve staff's recommendation was moved by Council Member Wheeler, seconded by Mayor Pro Tempore Mathis.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Mathis, Caskey, Wheeler, Pezold, Sweeney
Nays:	None
Abstain:	None

4.12 License Agreement with SOCAL Counseling Services for 24031 El Toro Road, Suite 250D

Recommendation: That the City Council: 1. Approve of the license agreement; and 2. Authorize the City Manager to sign the license agreement.

Mayor Caskey called for this item.

Staff answered Council’s questions.

A motion to approve staff's recommendation was moved by Council Member

Wheeler, seconded by Mayor Pro Tempore Mathis.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Council Member Wheeler, Mayor Pro Tempore Mathis, Council Member Sweeney, Council Member Pezold, Mayor Caskey
Nays:	None
Abstain:	None

4.13 Laguna Hills-Laguna Woods El Toro Road and Moulton Parkway Traffic Signal Interconnect Conduit License Agreement

Recommendation: That the City Council: 1. Approve of the Laguna Hills-Laguna Woods El Toro Road and Moulton Parkway Traffic Signal Interconnect Conduit License Agreement; 2. Authorize the City Attorney to make minor edits as may be necessary to execute the Agreement; and 3. Authorize the City Manager to execute the Agreement.

Mayor Caskey called for this item.

Councilmember Wheeler spoke regarding this item.

Staff answered Council’s questions.

A motion to approve staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Sweeney.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Wheeler, Pezold, Sweeney, Mathis, Caskey
Nays:	None
Abstain:	None

4.14 Approval of an Ordinance Adopting the Urban Village Specific Plan Amendment to Modify Permitted Uses, Development Standards, and Applicability of the City's Objective Design Standards

Recommendation: That the City Council adopt an Ordinance entitled: "An Ordinance of the City Council of the City of Laguna Hills, California, Approving and Adopting the Urban Village Specific Plan Amendment to Modify Permitted Uses, Development Standards, and Applicability of the City's Objective Design Standards."

Mayor Caskey called for this item.

Staff answered Council’s questions.

Council had discussion regarding this item.

A motion to approve staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Sweeney.

Result:
Yes 4, No 1, Abstained 0

Ayes:	Mathis, Sweeney, Wheeler, Caskey
Nays:	Pezold
Abstain:	None

4.15 Approval of an Ordinance Adopting an Amended and Restated Development Agreement between the City of Laguna Hills and MGP Fund X Laguna Hills, LLC for the Village At Laguna Hills Project

Recommendation: That the City Council adopt an Ordinance entitled: "An Ordinance of the City Council of the City of Laguna Hills, California, Approving and Adopting an Amended and Restated Development Agreement Between the City of Laguna Hills and MGP Fund X Laguna Hills, LLC for the Village at Laguna Hills Project.

Mayor Caskey called for this item.

Mayor Caskey called for public comments.

Bruce Johnson spoke in favor.
Cathy Udovch spoke in favor.

City Clerk read the names of online comments that were submitted for this item.

Comments in favor:
1. Michaela Nozaki
2. Kathy Temple
3. Christine Morinello
4. Barbara Siry
5. Jeffrey Gothard
6. Holly Magana
7. Judy Northrop

8. Bruce Johnson
9. Rayna Hamre
10. Laura Shapiro
11. Carol McVay
12. Vicki Hines
13. Marcella Lawson
14. Ann Beltran
15. Sayre Weaver
16. Rona Henry
17. David Salahi
18. Alice Soto
19. John Mendonca
20. Keith Tuominen
21. Wendy Washington
22. Cesar Covarrubias

Council Members Wheeler and Pezold spoke regarding this item.

Council had discussion regarding this item.

A motion to approve staff's recommendation was moved by Mayor Caskey, seconded by Mayor Pro Tempore Mathis.

Result:
Yes 3, No 1, Abstained 0, Refusal to Vote 1

Ayes:	Sweeney, Caskey, Mathis
Nays:	Pezold
Abstain:	None
Refusal to Vote:	Wheeler

4.16 Approval of an Ordinance Adopting Zoning Text Amendment and Zoning Map Amendment No. RZNE-0014-2026, (10 A Text Amendment to Title 9 (Zoning and Subdivisions) of the Laguna Hills Municipal Code to Implement the General Plan Housing Element by Amending Chapter 9-11 (Overlay Districts) to Implement the Amended Land Use Element by Renaming the Existing Housing (H) Overlay Zone to Housing 50 (H50) Overlay Zone and Introducing a New Housing 80 (H80) Overlay Zone; and (2) A Zone Change to Apply the Housing 50 (H50) Overlay Zone and Housing 80 (H80) Overlay Zone to 23501 - 23561 Ridge Route Drive (APN# 588-331-12), 25201 - 25241 Paseo De Alicia (APN# 620-221-42, 620-221-44, and 620-221-49), and to Additional Properties as Specified in the Proposed Ordinance

Recommendation: That the City Council approve an Ordinance entitled: "An Ordinance of the City of Laguna Hills, California, Adopting Zoning Text

Amendment and Zoning Map Amendment No. RZNE-0014-2026, (10 A Text Amendment to Title 9 (Zoning and Subdivisions) of the Laguna Hills Municipal Code to Implement the General Plan Housing Element by Amending Chapter 9-11 (Overlay Districts) to Implement the Amended Land Use Element by Renaming the Existing Housing (H) Overlay Zone to Housing 50 (H50) Overlay Zone and Introducing a New Housing 80 (H80) Overlay Zone; and (2) A Zone Change to Apply the Housing 50 (H50) Overlay Zone and Housing 80 (H80) Overlay Zone to 23501 - 23561 Ridge Route Drive (APN# 588-331-12), 25201 - 25241 Paseo De Alicia (APN# 620-221-42, 620-221-44, and 620-221-49), and to Additional Properties as Specified in the Proposed Ordinance"

Mayor Caskey called for this item.

Councilmember Wheeler spoke regarding this item.

Council had discussion.

Mayor Caskey called for public comment.

Patrick Strader spoke in favor.

The City Clerk read the name of the one comment that was submitted online.

In favor: Cesar Covarrubias.

Council and Staff had discussion regarding this item.

A motion to approve staff's recommendation was moved by Mayor Pro Tempore Mathis, seconded by Council Member Sweeney.

Result:
Yes 3, No 2, Abstained 0

Ayes:	Sweeney, Caskey, Mathis
Nays:	Wheeler, Pezold
Abstain:	None

4.17 Approval of an Ordinance Adopting RZNE-0015-2026 for the Inclusionary Housing Program by Adding Chapter 9-73 (Inclusionary Housing) of Title 9 (Zoning Code) of the Laguna Hills Municipal Code to Establish an Inclusionary Housing Program, Require the Provision of Affordable Housing in Certain Residential Developments, Establish an Inclusionary Housing Fund, Provide Alternative Methods of Compliance, and make

Findings Related Thereto

Recommendation: That the City Council approve an ordinance entitled: "An Ordinance of the City of Laguna Hills, California, Adopting RZNE-0015-2026 for the Inclusionary Housing Program by Adding Chapter 9-73 (Inclusionary Housing) of Title 9 (Zoning Code) of the Laguna Hills Municipal Code to Establish an Inclusionary Housing Program, Require the Provision of Affordable Housing in Certain Residential Developments, Establish an Inclusionary Housing Fund, Provide Alternative Methods of Compliance, and make Findings Related Thereto"

Mayor Caskey called for the item.

Councilmember Wheeler spoke regarding this item.

Mayor Caskey called for public comments regarding this item.

Bruce Johnson spoke in favor of this item.

Cathy Udovch spoke in favor of this item.

Patrick Strader spoke in neutrality on this item.

The City Clerk did not read the names of the of comments that were submitted online during the meeting. The names of individuals that submitted comments online have been listed below.

Comments in favor:

1. Barbara Siry
2. Lynn Cowan
3. Michaela Nozaki
4. Marie (no last name give)
5. Maya Dunne
6. Christine Morinello
7. Suzanne Model
8. Ramesh C. Joshi
9. Kathy Temple
10. Holly Magana
11. Marilyn Schroeder
12. Rhett Kuseski
13. Bruce L. Johnson
14. Jo Ann Panitch
15. Laura Shapiro
16. Rayna Hamre
17. Carol McVay
18. Vicki Hines
19. Marcella Lawson
20. Sheryl Sterry
21. Ann Beltran
22. Debbie Salahi
23. Sayre Weaver
24. Rona Henry
25. Marie Tsaasan
26. Celia Young
27. John Mendonca
28. Wendy Washington
29. Patti Vaitaitis
30. Frieda Gorelick
32. Cesar Covarrubias.

A motion to approve staff's recommendation was moved by Mayor Caskey, seconded by Council Member Sweeney.

Result:
Yes 3, No 2, Abstained 0

Ayes:	Sweeney, Caskey, Mathis
Nays:	Wheeler, Pezold
Abstain:	None

4.19 Development Application Status Report

Recommendation: That the City Council receive and file the report.

Mayor Caskey called for this item.

Councilmember Wheeler spoke regarding this item.

Council and Staff had discussion.

A motion to approve the staff's recommendation was moved by Council Member Wheeler, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Mathis, Pezold, Sweeney, Caskey, Wheeler
Nays:	None
Abstain:	None

5. Administrative Reports

5.1 City Manager

5.1.1 Approve a response to the 2025-2026 Orange County Grand Jury Report, "Wildfires Hit Home"

Recommendation: That the City Council approve a response to the 2025-2026 Orange County Grand Jury Report, "Wildfires Hit Home", authorize the Mayor to execute the response, and direct the City Manager to submit the response as required by applicable law.

Staff answered Council’s questions.

Council Member Sweeney made a motion to approve staff's recommendation and the following items: 1) to direct staff to identify the city position serving as the direct resident contact under Grand Jury Report Recommendation R4; 2) establish a resident facing wildfire information page or equivalent communication channel and return to the Council with the implementation of the update; and 3) evaluation of an appropriate community level risk reduction designation. The motion was seconded by Mayor Pro Tempore Mathis.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Wheeler, Sweeney, Caskey, Mathis, Pezold
Nays:	None
Abstain:	None

5.2 Assistant City Manager

5.2.2 Rejection of Bids for CIP 101-M: Citywide Local Street Rehabilitation Project

Recommendation: That the City Council: 1. Reject all Bid Proposals received for the Citywide Pavement Rehabilitation Project, CIP No. 101-M; and 2. Provide direction to City staff on the scope of the Citywide Pavement Rehabilitation Project for a second re-bidding.

Mayor Caskey called for this item.

Assistant City Manager Ames gave the staff report.

Staff answered Council’s questions.

Mayor Caskey made a motion to approve staff’s recommendation, direct staff to rebid the project with only a base bid, and to reauthorize the City to re-bid the project. Councilmember Sweeney seconded the motion.

Result:
Yes 4, No 0, Abstained 1

Ayes:	Mathis, Wheeler, Caskey, Sweeney
Nays:	None
Abstain:	Pezold

5.2.3 Rejection of Bids and Authority to Re-Advertise for Construction, Park Improvements for Cabot Park, El Conejo Park, MacKenzie Park, San Remo Park, and Veeh Ranch Park, CIP 241

Recommendation: That the City Council: 1. Reject all Bid Proposals received for the Park Improvements for Cabot Park, El Conejo Park, MacKenzie Park, San Remo Park, and Veeh Ranch Park, CIP 241; 2. Approve the revised plans and specifications for Park Improvements for Cabot Park, El Conejo Park, MacKenzie Park, San Remo Park, and Veeh Ranch Park, CIP 241; 3. Authorize the City Engineer to make modifications to the plans and specifications as may be necessary; and 4. Authorize the advertisement for bids for Park Improvements for Cabot Park, El Conejo Park, MacKenzie Park, San Remo Park, and Veeh Ranch Park, CIP 241.

Mayor Caskey called for this item.

Assistant City Manager Ames gave the staff report.

Staff answered Council’s questions.

A motion to Approve staff's recommendation was moved by Mayor Pro Tempore Mathis, seconded by Council Member Pezold.

Result:
Yes 5, No 0, Abstained 0

Ayes:	Wheeler, Sweeney, Pezold, Mathis, Caskey
Nays:	None
Abstain:	None

5.4 Chief of Police Services

5.4.1 Public Safety Update

This item was not called. This item will be on the agenda for September 8, 2026.

6. Matters Agendized and Presented by City Council Members

None

7. City Council Member Committee Reports

7.1 Committee Assignment Reports

Councilmember Pezold spoke regarding the Orange Council Mosquito and Vector Control District Board of Directors meeting.

Councilmember Wheeler spoke regarding the Orange County Older Adults Advisory Commission meeting.

8. City Council Member Comments

Councilmember Pezold spoke regarding a letter from a resident regarding a HOA flying drones.

Councilmember Sweeney thanked the Orange County Sherrif Department and Orange County Fire Authority. The Councilmember further clarified some comments made during meeting.

Adjournment

At the hour of 11:41 p.m., with no further business to come before the City Council/Planning Agency at this session, Mayor Caskey adjourned the meeting to Tuesday, September 8, 2026, at 6:00 p.m.

_____

Joshua Stevenson, City Clerk

ATTEST:

_____

Don Caskey, Mayor

Approved at meeting of September 8, 2026

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Eric Hendrickson, Finance Director
Issue: Ratification of September 8, 2026 Warrant Register

Recommendation: That the City Council ratify the accompanying Warrant Register for the period from August 14, 2026, to August 27, 2026, in the amount of $437,649.11.

Background:

The City issues accounts payable disbursements on a regular basis and presents it to the City Council for ratification at its next regularly scheduled City Council Meeting. The attached Warrant Register containing checks and electronic funds transfers for the period from August 14, 2026, to August 27, 2026, is being presented for ratification by the City Council. Payments have been reviewed and approved by the appropriate departmental staff. The Finance Director certifies to the accuracy of the attached register and to the availability of monies for payment thereof.

Fiscal Impact:

Ratification of the accompanying Warrant Register includes disbursements totaling $437,649.11.

Attachments:

1. Warrant Register - September 8, 2026
2. Payables Detail Report - September 8, 2026

Warrant Register - September 8, 2026

City of Laguna Hills, CA

By Check Number

Date Range: 08/14/2026 - 08/27/2026

Check Number	Vendor Number	Vendor Name	Payment Date	Payment Amount
Payment Type: Regular				
7138	Z-CD-0383	ALL SERVICE ROOFING	08/20/2026	837.00
7139	A-0392	AQUATICO	08/20/2026	4,895.00
7140	A-0360	ARC DOCUMENT SOLUTIONS, LLC	08/20/2026	91.48
7141	A-0365	AT&T	08/20/2026	355.71
7142	B-0377	BIG TOP RENTALS	08/20/2026	5,446.02
7143	B-0222	BILL'S SOUND AND SECURITY	08/20/2026	733.00
7144	C-1236	CAT TRACKING INC	08/20/2026	11,855.00
7145	C-1144	CHARLES ABBOTT ASSOCIATES, INC	08/20/2026	37,158.84
7146	C-1021	CIVIC SOLUTIONS, INC.	08/20/2026	688.00
7147	Z-CS-0575	DAVID WINNICK	08/20/2026	100.00
7148	D-0541	DIAMOND ENVIRONMENTAL SERVICES, LP	08/20/2026	1,907.35
7149	F-0732	FIRE SAFETY FIRST, LLC	08/20/2026	750.00
7150	G-0877	GA TECHNICAL SERVICES, INC.	08/20/2026	14,274.11
7151	Z-CS-0577	I CAN ACADEMY OC	08/20/2026	200.00
7152	Z-CS-0576	JACQUELINE ESQUIVEL	08/20/2026	100.00
7153	J-1057	JAMEY CLARK, INC.	08/20/2026	3,450.00
7154	J-1071	JCTEES.COM CORPORATION	08/20/2026	439.11
7155	L-1233	LSA ASSOCIATES, INC	08/20/2026	3,060.00
7156	M-1615	MOTION PICTURE LICENSING CORPORATION	08/20/2026	2,737.90
7157	M-1302	MOULTON NIGUEL WATER DISTRICT	08/20/2026	3,780.42
7158	N-1487	NUVIS LANDSCAPE ARCHITECTURE	08/20/2026	3,185.00
7159	O-1617	OCY MANAGEMENT, LLC	08/20/2026	6,563.00
7160	R-1977	RJ ELECTRIC	08/20/2026	2,475.00
7161	S-2060	SAN DIEGO NATURAL HISTORY MUSEUM	08/20/2026	4,405.97
7162	S-1904	SOUTHERN CALIFORNIA EDISON	08/20/2026	14,823.14
7163	S-2317	SWANK MOTION PICTURES, INC.	08/20/2026	660.00
7164	Z-CD-0381	WESTERN ROOFING SYSTEMS	08/20/2026	961.00
7165	W-2455	WILLIAMS SCOTSMAN INC	08/20/2026	341.83
7166	A-0388	ABTECH TECHNOLOGIES, INC.	08/27/2026	1,279.53
7167	A-0377	ACTION WELDING CORP	08/27/2026	2,125.00
7168	A-0138	ALL CITY MANAGEMENT, INC.	08/27/2026	614.40
7169	A-0360	ARC DOCUMENT SOLUTIONS, LLC	08/27/2026	202.09
7170	A-0359	ARDURRA GROUP, INC.	08/27/2026	2,855.25
7171	A-0365	AT&T	08/27/2026	28.81
7172	C-1144	CHARLES ABBOTT ASSOCIATES, INC	08/27/2026	69,029.96
7173	C-1181	CIVICPLUS, LLC	08/27/2026	720.00
7174	C-1190	COUNTY OF ORANGE	08/27/2026	1,008.00
7175	D-0541	DIAMOND ENVIRONMENTAL SERVICES, LP	08/27/2026	415.70
7176	E-0554	ECONOMICS, INC.	08/27/2026	26,866.73
7177	E-0504	EL TORO WATER DISTRICT	08/27/2026	31,208.12
7178	I-0960	IRV SEAVER MOTORCYCLES	08/27/2026	1,961.99
7179	J-1099	J & A GLASS	08/27/2026	9,929.26
7180	J-1057	JAMEY CLARK, INC.	08/27/2026	1,998.00
7181	L-1395	LIVING INTERIORS	08/27/2026	159.00
7182	M-1302	MOULTON NIGUEL WATER DISTRICT	08/27/2026	20,920.52
7183	O-1613	ONTARIO REFRIGERATION SERVICE, INC.	08/27/2026	487.16
7184	P-1862	PSOMAS	08/27/2026	412.50
7185	R-1977	RJ ELECTRIC	08/27/2026	810.00
7186	R-1806	RJM DESIGN GROUP, INC.	08/27/2026	2,412.16
7187	S-1902	SAN DIEGO GAS AND ELECTRIC	08/27/2026	42,041.41
7188	S-2319	SCA OF CA, LLC	08/27/2026	155.00
7189	S-2296	SHUTE, MIHALY WEINBERGER LLP	08/27/2026	928.72
7190	S-2295	SOUTHERN COMPUTER WAREHOUSE	08/27/2026	6,643.36

Check Number	Vendor Number	Vendor Name	Payment Date	Payment Amount
7191	T-2717	TAIT & ASSOCIATES, INC	08/27/2026	5,390.00
7192	T-2712	TOTAL SOURCE OFFICEWORKS	08/27/2026	285.40
7193	W-2337	WEST COAST ARBORISTS, INC.	08/27/2026	30,857.10
			Total Regular:	**388,019.05**

Check Number	Vendor Number	Vendor Name	Payment Date	Payment Amount
Payment Type: Bank Draft				
DFT0003476	H-0966	HIGH LEVEL SECURITY SOLUTIONS, INC.	08/27/2026	7,952.00
DFT0003477	U-2170	US BANK CORPORATE PAYMENT SYSTEMS	08/17/2026	41,678.06
			Total Bank Draft:	**49,630.06**

Bank Code 1 - General Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	72	56	0.00	388,019.05
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	19	2	0.00	49,630.06
EFT's	0	0	0.00	0.00
	91	**58**	**0.00**	**437,649.11**

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	72	56	0.00	388,019.05
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	19	2	0.00	49,630.06
EFT's	0	0	0.00	0.00
	91	**58**	**0.00**	**437,649.11**

Fund Summary

Fund	Name	Period	Amount
998	Pooled Cash & Investments	8/2026	437,649.11
			437,649.11

City of Laguna Hills, CA

Payables Detail Report

By Fund

Payment Dates 08/14/2026 - 08/27/2026

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
Fund: 100 - General Fund					
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	ChatGPT, 7/13/26 - 8/13/26	100-310-610000	50.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	JUUNO, Subscription, 7/14/26 - 8/14/26	100-310-610000	10.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	Women In Leisure Services, Banquet, 7/10/26	100-310-611000	45.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	Bird Dog Coffee	100-310-622000	21.07
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	Plumeria Cafe	100-310-622000	71.68
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (0629) 08.06.26	Canva, Giveaways Stickers	100-310-695000	258.60
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	Metricool, FY26-27	100-310-610000	540.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	Ralphs	100-310-622000	13.77
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	Target	100-310-622000	25.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	Ralphs	100-310-622000	26.77
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	Paradise Drinking Waters	100-310-622000	328.95
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	CVS Pharmacy, Trophy Case Photos	100-310-695500	15.65
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (1281) 08.06.26	FlavorTrucks, Final Balance, 7/10/26	100-310-695512	455.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2811) 08.06.26	Intelius	100-225-610000	4.99
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2811) 08.06.26	Intelius	100-225-610000	4.99
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2811) 08.06.26	Intelius	100-225-610000	24.86
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2811) 08.06.26	Ralphs	100-225-646100	150.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2811) 08.06.26	Chevron	100-225-646100	175.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	ChatGPT Subscription, 8/3/26 -	100-195-610000	20.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Descript Creator Subscription, 8/3/26 - 9/3/26	100-195-610000	35.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	The Home Depot, Build-A-Fort	100-310-695500	26.27
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Ralphs, Build-A-Fort	100-310-695500	12.48
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Ralphs, Build-A-Fort	100-310-695500	24.27
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Ralphs, Build-A-Fort	100-310-695500	39.53
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Target, Build-A-Fort	100-310-695500	64.65
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Target, Build-A-Fort	100-310-695500	86.35
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Panda Express, Build-A-Fort	100-310-695500	92.13
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Panda Express, Build-A-Fort	100-310-695500	92.13

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	The Home Depot, Build-A-Fort	100-310-695500	122.55
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	Subway, Build-A-Fort	100-310-695500	129.98
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	The Home Depot, Build-A-Fort	100-310-695500	134.80
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	The Home Depot, Build-A-Fort	100-310-695500	656.40
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (2829) 08.06.26	The Home Depot, Build-A-Fort	100-310-695500	2,220.97
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	Chevron	100-355-646100	158.52
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	The Home Depot	100-355-720401	289.85
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	The Home Depot	100-355-720401	7.51
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	Devil Mountain Wholesale	100-355-720700	241.27
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	Smartlink, Sprinklers	100-355-720700	515.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	The Home Depot	100-355-720700	22.53
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	SiteOne Landscape Supply, Irrigation	100-355-720700	8,796.65
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	Grainger	100-355-720701	109.24
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (3165) 08.06.26	Signarama Laguna Hills, Park Signs	100-355-720701	527.98
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4418) 08.06.26	Amazon	100-195-622000	580.56
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4418) 08.06.26	Amazon	100-195-622000	1,905.20
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	ChatGPT, 7/23/26 - 8/23/26	100-155-610000	20.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	ACC-OC, DC Advocacy Trip, 9/14/26 - 9/17/26	100-155-611000	2,700.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	29.67
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	38.67
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	40.93
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	62.64
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	84.70
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Smart and Final	100-155-622000	307.32
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	BJs Restaurants	100-155-622000	408.51
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26	Amazon	100-155-622000	163.86
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (4849) 08.06.26 F	Secure Live Scan, Jun '26	100-195-617000	105.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Microsoft 365 Subscription, 8/6/26 - 9/5/26	100-195-700090	37.80
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Microsoft 365, Audio Conferencing, FY26-27	100-195-700090	30.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	ChatGPT, Jul '26	100-355-610000	20.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Eventbrite, CEAOC, 8/3/26	100-355-611000	90.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Bushfire Kitchen	100-355-622000	146.66

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Bushfire Kitchen	100-355-622000	22.17
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Amazon	100-355-622000	7.52
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	Ephonamation.com, 7/23/26 - 8/19/26	100-355-630000	505.98
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (5166) 08.06.26	The Home Depot	100-355-645500	31.08
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Best Buy, HDMI Cables	100-195-622000	387.80
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Best Buy, HDMI Cables Return	100-195-622000	(172.35)
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, WiFi City Hall, 7/19/26 - 8/18/26	100-195-630000	182.62
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, Traffic Signal, 7/7/26 - 8/6/26	100-195-630000	84.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, T-1 Comm Ctr, 7/17/26 -	100-195-630000	587.14
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, WiFi Comm Ctr, 6/28/26 - 7/27/26	100-195-630000	657.52
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, T-1 City Hall, 7/5/26 - 8/4/26	100-195-630000	848.06
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Cox, Cable, City Hall, 7/10/26 -	100-195-630000	364.91
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Zoom, Subscription, 7/8/26 - 7/15/26	100-195-700090	34.74
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Zoom, Subscription, 7/16/26 -	100-195-700090	130.22
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26	Bluebeam Subscription, 7/1/26 - 5/5/27	100-195-700090	1,072.50
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6285) 08.06.26 I	Bluebeam Subscription, 5/3/26 - 6/30/26	100-195-700090	214.50
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6615) 08.06.26	Chevron	100-310-646100	257.50
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6976) 08.06.26	Zoom, FY26-27	100-225-610000	149.90
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6976) 08.06.26	American Planning Association, FY26-27	100-225-610000	671.80
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6976) 08.06.26	APA California, Conference, 10/3/26 - 10/6/26	100-225-611000	700.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6976) 08.06.26	APA California, Conference, 10/3/26 - 10/6/26	100-225-611000	700.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (6976) 08.06.26	Susan W. Case Inc., Parcel Maps	100-225-623000	2,340.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7241) 08.06.26	Southland Auto Care	100-355-646100	2,229.01
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7241) 08.06.26	Shell Oil	100-355-646100	161.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7241) 08.06.26	The Home Depot	100-355-720401	40.89
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7241) 08.06.26	The Home Depot, Credit	100-355-720401	(40.89)
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7241) 08.06.26	The Home Depot, Holiday Decor Storage	100-355-720401	230.84
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (7941) 08.06.26	Deluxe For Small Business, Bank Deposit Books	100-155-623000	119.14
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Exxon	100-310-646100	52.78
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Exxon	100-310-646100	81.13
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Exxon	100-310-646100	96.69
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Amazon, Craft Supplies	100-310-695500	43.18

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	World Port LA, Catalina Excursion Parking, 7/18/26	100-310-695500	23.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Amazon, Craft Supplies	100-310-695500	20.45
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Hollyhock House, Excursion, 7/17/26	100-310-695500	18.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	OC Fair Parking, Excursion 7/24/26	100-310-695500	15.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Hollyhock House, Excursion, 7/17/26	100-310-695500	12.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Amazon, Build-A-Fort	100-310-695500	10.76
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Ramona Rodeo Foundation, Excursion, 8/28/26	100-310-695500	28.12
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Prime Video, Movie Rental	100-310-695512	3.99
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Prime Video, Movie Rental	100-310-695512	3.99
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Prime Video, Movie Rental	100-310-695512	3.99
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8097) 08.06.26	Amazon, Office Chairs	100-310-910000	732.69
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	Amazon Prime	100-420-610000	16.15
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	In-N-Out	100-420-622000	171.05
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	Ralphs	100-420-622000	29.67
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	Ralphs	100-420-622000	41.20
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	The Toll Roads	100-420-646100	3.50
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	Stage 21 Bikes, Bicycle Safety Initiative, Helmets	100-420-695000	2,990.06
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	OC Fun Event, Airbrush Tattoo Artist, NNO 7/23/26	100-420-695000	460.00
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	Michaels Stores, National Night Out Supplies	100-420-695000	46.07
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8151) 08.06.26	The Home Depot, Refrigerator	100-420-910000	823.65
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8665) 08.06.26	Ralphs	100-310-622000	9.24
08/17/2026	US BANK CORPORATE PAYMENT SYSTEMS	CalCard (8665) 08.06.26	Stater Bros	100-310-622000	5.19
08/20/2026	AT&T	000025646766	Alarm, Com Ctr & City Hall Lines, 7/7/26 - 8/6/26	100-195-630000	215.60
08/20/2026	AT&T	000025646766	Alarm, Com Ctr & City Hall Lines, 7/7/26 - 8/6/26	100-310-630000	140.11
08/20/2026	DIAMOND ENVIRONMENTAL SERVICES, LP	0007029676	Build-A-Fort Restroom, 6/22/26 - 6/30/26	100-310-695500	318.66
08/20/2026	DIAMOND ENVIRONMENTAL SERVICES, LP	0007029676 (2)	Build-A-Fort Restroom, 7/1/26 - 7/19/26	100-310-695500	672.73
08/20/2026	DIAMOND ENVIRONMENTAL SERVICES, LP	0007090061	Build-A-Fort Restroom, 7/20/26 - 8/13/26	100-310-695500	915.96
08/20/2026	GA TECHNICAL SERVICES, INC.	07/14/26	Retention Release, CIP #520	100-000-201001	14,274.11
08/20/2026	SOUTHERN CALIFORNIA EDISON	080326 - Acct #7002345(	Utilities, Electric, 6/12/26 - 7/31/26	100-355-631000	835.91
08/20/2026	SOUTHERN CALIFORNIA EDISON	080326 - Acct #7002345(	Utilities, Electric, 6/12/26 - 7/31/26	100-356-631400	13,987.23
08/20/2026	MOULTON NIGUEL WATER DISTRICT	081326	Utilities - Water, 7/14/26 - 8/10/26	100-355-635000	3,780.42
08/20/2026	CIVIC SOLUTIONS, INC.	108964	Consultant Services, USE-0264-2026, Jul '26	100-000-223000	688.00
08/20/2026	DAVID WINNICK	112994356	Refund, Facility Deposit, R #111145659	100-000-222000	100.00
08/20/2026	JACQUELINE ESQUIVEL	112994441	Refund, Facility Deposit, R #105461240	100-000-222000	100.00

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
08/20/2026	JCTEES.COM CORPORATION	11310	Basketball Championship T-Shirts, Aug '26	100-310-622500	439.11
08/20/2026	I CAN ACADEMY OC	113122798	Refund, Facility Deposit, R #105934313	100-000-222000	200.00
08/20/2026	ARC DOCUMENT SOLUTIONS, LLC	13174712	Printing Services, Jul '26	100-225-623000	91.48
08/20/2026	LSA ASSOCIATES, INC	205724	Professional Services, USE-0239-2025, Jul '26	100-000-223000	3,060.00
08/20/2026	CAT TRACKING INC	220594RET	Retention Release, CIP #113	100-000-201001	11,855.00
08/20/2026	NUVIS LANDSCAPE ARCHITECTURE	28912	Professional Services, LEG-0017-2025, Jun '26	100-000-223000	990.00
08/20/2026	NUVIS LANDSCAPE ARCHITECTURE	28915	Professional Services, LEG-0020-2026, Jun '26	100-000-223000	550.00
08/20/2026	NUVIS LANDSCAPE ARCHITECTURE	28916	Professional Services, LEG-0020-2026, Jun '26	100-000-223000	1,645.00
08/20/2026	AQUATICO	372-299	Fountains/Water Features Maintenance, Aug '26	100-310-645500	895.00
08/20/2026	AQUATICO	372-300	Wall Water Fountain Cleaning, Aug	100-310-645500	4,000.00
08/20/2026	BILL'S SOUND AND SECURITY	48631	Smoke Detector Repair, 7/10/26	100-310-645500	733.00
08/20/2026	MOTION PICTURE LICENSING CORPORATION	504480660	Indoor Movie License, 7/1/27 - 9/29/27	100-000-140000	684.47
08/20/2026	MOTION PICTURE LICENSING CORPORATION	504480660	Indoor Movie License, 9/30/26 - 6/30/27	100-310-610000	2,053.43
08/20/2026	RJ ELECTRIC	64827	Pole Light Repairs, Gazebo Path, Jun '26	100-355-720701	230.00
08/20/2026	RJ ELECTRIC	64827 (2)	Pole Light Repairs, Gazebo Path, Jul	100-355-720701	2,245.00
08/20/2026	CHARLES ABBOTT ASSOCIATES, INC	70690	Professional Services, Jul '26	100-225-700000	37,158.84
08/20/2026	JAMEY CLARK, INC.	78133	Janitorial Services, Jul '26	100-310-721505	3,450.00
08/20/2026	WILLIAMS SCOTSMAN INC	9026792912	Storage Rental, 8/13/26 - 9/9/26	100-310-641000	341.83
08/20/2026	BIG TOP RENTALS	96025	Furniture Rentals, 4th of July	100-310-695508	5,446.02
08/20/2026	WESTERN ROOFING SYSTEMS	BLDR-0220-2026	BLDR-0220-2026, C&D Refund, REC-017062-2026	100-000-227001	961.00
08/20/2026	ALL SERVICE ROOFING	BLDR-0230-2026	BLDR-0230-2026, C&D Refund, REC-017096-2026	100-000-227001	837.00
08/20/2026	SWANK MOTION PICTURES, INC.	BO 2835051	Super Mario Galaxy, 8/21/26	100-310-695512	660.00
08/20/2026	FIRE SAFETY FIRST, LLC	FSF-1142416	Fire Sprinkler System Inspection & Test, 7/24/26	100-310-645500	750.00
08/20/2026	SAN DIEGO NATURAL HISTORY MUSEUM	SI05864	Fossil Exhibit Improvement Project, Jul '26	100-310-695504	4,405.97
08/27/2026	AT&T	000025644804	Traffic Signal, 7/6/26 - 8/5/26	100-356-630000	28.81
08/27/2026	DIAMOND ENVIRONMENTAL SERVICES, LP	0007049826	Restroom Rental, 8/21/26	100-310-695512	415.70
08/27/2026	EL TORO WATER DISTRICT	073126	Water Usage, Public Works, Jul '26	100-355-635000	31,208.12
08/27/2026	MOULTON NIGUEL WATER DISTRICT	081326 (2)	Utilities - Water, 7/14/26 - 8/10/26	100-310-635000	850.82
08/27/2026	MOULTON NIGUEL WATER DISTRICT	081326 (2)	Utilities - Water, 7/14/26 - 8/10/26	100-355-635000	20,069.70
08/27/2026	SAN DIEGO GAS AND ELECTRIC	081426	Utilities - Electric, 6/10/26 - 7/10/26	100-310-631000	13,847.90
08/27/2026	SAN DIEGO GAS AND ELECTRIC	081426	Utilities - Electric, 6/10/26 - 7/10/26	100-355-631000	13,835.24
08/27/2026	SAN DIEGO GAS AND ELECTRIC	081426	Utilities - Electric, 6/10/26 - 7/10/26	100-356-631400	2,354.13
08/27/2026	SAN DIEGO GAS AND ELECTRIC	081426 (2)	Utilities - Electric, 7/1/26 - 7/31/26	100-356-631400	11,265.91
08/27/2026	SAN DIEGO GAS AND ELECTRIC	081426 (2)	Utilities - Electric, 7/1/26 - 7/31/26	100-356-631900	738.23
08/27/2026	WEST COAST ARBORISTS, INC.	1-12453	Plant Health Consulting Svcs, 8/13/26 - 8/14/26	100-355-720702	1,400.00
08/27/2026	ARC DOCUMENT SOLUTIONS, LLC	13182724	Printing Services, Aug '26	100-355-623000	202.09
08/27/2026	TAIT & ASSOCIATES, INC	170487	Reader Board Design, Jul '26	100-355-700250	5,390.00
08/27/2026	ACTION WELDING CORP	18559	Parks Contract Repair, Aug '26	100-355-720701	2,125.00
08/27/2026	ARDURRA GROUP, INC.	190109	Engineering Services, Jul '26	100-355-700250	2,855.25
08/27/2026	IRV SEAVER MOTORCYCLES	20261582	Motorcycle Maintenance, Police Svcs, Aug '26	100-420-646100	1,486.38
08/27/2026	IRV SEAVER MOTORCYCLES	20261625	Motorcycle Maintenance, Police Svcs, Aug '26	100-420-646100	475.61
08/27/2026	PSOMAS	237970	PDV and Cabot Road, CIP #191, 7/1/26 - 7/23/26	100-000-790600	412.50
08/27/2026	WEST COAST ARBORISTS, INC.	247880	Tree Trimming Services, 7/16/26 - 7/31/26	100-355-720702	29,457.10

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
08/27/2026	ABTECH TECHNOLOGIES, INC.	2608009-IN	Computer Hardware	100-195-940000	1,279.53
08/27/2026	J & A GLASS	27877	Exterior Window Replacement, Suite 310, Jul '26	100-355-645500	9,929.26
08/27/2026	SHUTE, MIHALY WEINBERGER LLP	298075	Professional Services, Legal, Jul '26	100-155-700010	928.72
08/27/2026	RJM DESIGN GROUP, INC.	37989	Sports Complex Renovations Design, Jul '26	100-355-700250	1,546.00
08/27/2026	RJM DESIGN GROUP, INC.	38039	Reader Board Design, Jul '26	100-355-700250	866.16
08/27/2026	CIVICPLUS, LLC	385382	System Training, 8/19/26	100-195-611000	720.00
08/27/2026	TOTAL SOURCE OFFICEWORKS	42253	Operating Supplies, Aug '26	100-195-622000	285.40
08/27/2026	HIGH LEVEL SECURITY SOLUTIONS, INC.	6121	Private Security Patrol, 8/10/26 - 8/23/26	100-420-720850	7,952.00
08/27/2026	RJ ELECTRIC	64928	Light Repairs, Sports Field Parking Lot, Aug '26	100-355-720701	810.00
08/27/2026	CHARLES ABBOTT ASSOCIATES, INC	70699 - A	Parks Signs Install, Jul '26	100-355-720701	150.84
08/27/2026	CHARLES ABBOTT ASSOCIATES, INC	70699 - C	July 4th Event Traffic Support, Jul '26	100-355-720401	9,958.28
08/27/2026	JAMEY CLARK, INC.	77811	Graffiti Removal, May '26	100-355-720500	288.00
08/27/2026	JAMEY CLARK, INC.	78164	Graffiti Removal, Aug '26	100-355-720500	950.00
08/27/2026	JAMEY CLARK, INC.	78174	Graffiti Removal, Aug '26	100-355-720500	760.00
08/27/2026	ONTARIO REFRIGERATION SERVICE, INC.	CM50399	Water Leak Repair, 8/4/26	100-355-645500	487.16
08/27/2026	SOUTHERN COMPUTER WAREHOUSE	INV00875552	Veeam Data Platform Advanced, 7/1/26 - 6/30/27	100-195-700090	6,643.36
08/27/2026	ALL CITY MANAGEMENT, INC.	PS-INV107410	Crossing Guard Services, 8/2/26 - 8/15/26	100-420-720822	614.40
08/27/2026	COUNTY OF ORANGE	SH 74846	Fingerprint ID System Charges, Aug	100-420-720835	1,008.00
08/27/2026	LIVING INTERIORS	T89542	Interior Plantscape Services, Sep '26	100-310-645500	159.00
			Fund 100 - General Fund Total:		**345,143.54**
Fund: 212 - Measure M2 Fund					
08/27/2026	CHARLES ABBOTT ASSOCIATES, INC	70699	Road Maintenance, Jul '26	212-355-720400	54,381.44
08/27/2026	CHARLES ABBOTT ASSOCIATES, INC	70699 - B	Traffic Control for Striping, Jul '26	212-355-720400	4,539.40
08/27/2026	SCA OF CA, LLC	CA0943906	Street Sweeping Services, May '26	212-355-720410	155.00
			Fund 212 - Measure M2 Fund Total:		**59,075.84**
Fund: 221 - Senior Mobility Program Fund					
08/20/2026	OCY MANAGEMENT, LLC	7406026	Senior Mobility Program, Jul '26	221-310-720000	6,563.00
			Fund 221 - Senior Mobility Program Fund Total:		**6,563.00**
Fund: 306 - Waste & Recycling Fee Fund					
08/27/2026	ECONOMICS, INC.	2024.23	Professional Services, Recycling Program, May '26	306-355-700000	13,929.86
08/27/2026	ECONOMICS, INC.	2024.25	Professional Services, Recycling Program, Jul '26	306-355-700000	12,936.87
			Fund 306 - Waste & Recycling Fee Fund Total:		**26,866.73**
Fund: 600 - Capital Improvement Projects Fund					
08/27/2026	PSOMAS	237970	PDV and Cabot Road, CIP #191, 600-7/1/26 - 7/23/26	000-490100	(412.50)
08/27/2026	PSOMAS	237970	PDV and Cabot Road, CIP #191, 600-7/1/26 - 7/23/26	251-950191	412.50
			Fund 600 - Capital Improvement Projects Fund Total:		**-**
			Grand Total:		**437,649.11**

Report Summary

Fund Summary

Fund	Payment Amount
100 - General Fund	345,143.54
212 - Measure M2 Fund	59,075.84
221 - Senior Mobility Program Fund	6,563.00
306 - Waste & Recycling Fee Fund	26,866.73
600 - Capital Improvement Projects Fund	-
Grand Total:	**437,649.11**

Account Summary

Account Number	Account Name	Payment Amount
100-000-140000	Prepaid Items	684.47
100-000-201001	Accounts Payable - Retention	26,129.11
100-000-222000	Refundable Deposits	400.00
100-000-223000	Plan Application Deposit	6,933.00
100-000-227001	Security Deposit - Waste	1,798.00
100-000-790600	Transfers Out to Capital	412.50
100-155-610000	Memberships & Subscriptions	20.00
100-155-611000	Training, Conferences, &	2,700.00
100-155-622000	Operating Supplies	1,136.30
100-155-623000	Printing & Mailing	119.14
100-155-700010	Legal Services	928.72
100-195-610000	Memberships & Subscriptions	55.00
100-195-611000	Training, Conferences, &	720.00
100-195-617000	Recruitment	105.00
100-195-622000	Operating Supplies	2,986.61
100-195-630000	Communications	2,939.85
100-195-700090	IT Contract Services & Support	8,163.12
100-195-940000	Computer Hardware	1,279.53
100-225-610000	Memberships & Subscriptions	856.54
100-225-611000	Training, Conferences, &	1,400.00
100-225-623000	Printing & Mailing	2,431.48
100-225-646100	Vehicles - Fuel & Maintenance	325.00
100-225-700000	Professional Services - Building &	37,158.84
100-310-610000	Memberships & Subscriptions	2,653.43
100-310-611000	Training, Conferences, &	45.00
100-310-622000	Operating Supplies	501.67
100-310-622500	Program & League Supplies	439.11
100-310-630000	Communications	140.11
100-310-631000	Utilities - Electric	13,847.90
100-310-635000	Utilities - Water	850.82
100-310-641000	Equipment Rentals & Leases	341.83
100-310-645500	Facility Maintenance & Repairs	6,537.00
100-310-646100	Vehicles - Fuel & Maintenance	488.10
100-310-695000	Community Assistance & Public	258.60
100-310-695500	Special Events - Program Services	5,796.02
100-310-695504	Exhibits & Educational Programs	4,405.97
100-310-695508	July Fourth Celebration	5,446.02
100-310-695512	Movies in the Park	1,542.67
100-310-721505	Contract Services - Janitorial &	3,450.00
100-310-910000	Furniture & Equipment	732.69
100-355-610000	Memberships & Subscriptions	20.00
100-355-611000	Training, Conferences, &	90.00
100-355-622000	Operating Supplies	176.35
100-355-623000	Printing & Mailing	202.09
100-355-630000	Communications	505.98
100-355-631000	Utilities - Electric	14,671.15
100-355-635000	Utilities - Water	55,058.24
100-355-645500	Facility Maintenance & Repairs	10,447.50

Account Summary

Account Number	Account Name	Payment Amount
100-355-646100	Vehicles - Fuel & Maintenance	2,548.53
100-355-700250	On-Call Services	10,657.41
100-355-720401	Other Public Works Maintenance	10,486.48
100-355-720500	Graffiti Removal	1,998.00
100-355-720700	Landscape Maintenance	9,575.45
100-355-720701	Parks Maintenance & Repairs	6,198.06
100-355-720702	Tree Maintenance	30,857.10
100-356-630000	MOE - Communications	28.81
100-356-631400	MOE - Electric (Streetlights &	27,607.27
100-356-631900	MOE - Electric (On-Bill Financing)	738.23
100-420-610000	Memberships & Subscriptions	16.15
100-420-622000	Operating Supplies	241.92
100-420-646100	Vehicles - Fuel & Maintenance	1,965.49
100-420-695000	Community Assistance & Public	3,496.13
100-420-720822	Crossing Guard Services	614.40
100-420-720835	Fingerprint Identification Services	1,008.00
100-420-720850	Private Security Patrol	7,952.00
100-420-910000	Furniture & Equipment	823.65
212-355-720400	Street Maintenance	58,920.84
212-355-720410	Street Sweeping	155.00
221-310-720000	Contract Services	6,563.00
306-355-700000	Professional Services	26,866.73
600-000-490100	Transfers In from General Fund	(412.50)
600-251-950191	PDV Active Transportation	412.50
	Grand Total:	**437,649.11**

Project Account Summary

Project Account Key	Payment Amount
None	437,649.11
Grand Total:	**437,649.11**

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Authority to Advertise for Construction, FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170

Recommendation: That the City Council: 1. Approve the plans and specifications for the FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170; 2. Authorize the advertisement for bids for FY 2026-2027 Community Development Block Grant Curb Ramp Improvement Project, CIP 170; 3. Authorize the City Engineer to make minor edits to the plans and specifications as necessary prior to bidding; and 4. Find that environmental review is not required under the California Environmental Quality Act (CEQA) pursuant to the California Code of Regulations, Title 14, Chapter 3, Section 15301 as a Class 1 Categorical Exemption - “Existing Facilities."

Background:

As part of City staff’s ongoing effort to identify and apply for grant funding for infrastructure improvements, on December 4, 2025, City staff submitted an application for Community Development Block Grant (CDBG) funding to the County of Orange during its latest call for Public Facilities and Improvements Funding Applications. City staff submitted a project for approximately 80 curb ramp replacements at selected intersections bounded by Avenida de la Carlota, Lake Forest Drive, Santa Vittoria Drive, and Ridge Route Drive.

In November 2025, the County of Orange, Community Resources Department, announced a call for fiscal year 2026/2027 Public Facilities and Improvements project applications under the County’s Urban County Program funded by the United States Department of Housing and Urban Development (HUD). The funding available under the Urban County Program primarily comes from CDBG funds.

The Orange County Urban County Program is comprised of twelve (12) cities with populations under 50,000 (participating cities), two (2) cities, Placentia and Yorba Linda, with populations over 50,000 (metropolitan cities) and unincorporated areas of Orange County. The twelve (12) participating cities include Brea, Cypress, Dana Point, Laguna Beach, Laguna Hills, Laguna Woods, La Palma, Los Alamitos, San Juan Capistrano, Seal Beach, Stanton, and Villa Park. These cities are not eligible to receive Community Planning and Development ("CPD") program funds directly from HUD and have opted to participate in the CPD programs through the Urban County Program. The cities of Placentia and Yorba Linda, with populations of over 50,000, are eligible to participate in the CPD program as an entitlement jurisdiction and have elected to join with the Urban County Program as a metropolitan city.

The fiscal year 2026/2027 Public Facilities and Improvements maximum funding amount with no match was $250,000, or with a 20% match was $450,000. Only one application may be submitted by each participating city. Non-profit organizations may also participate in the Urban County Program, but must be sponsored by a city and the city must submit the application.

Project applications must address "high priority" Public Facilities and Improvements. For this project call, high priority projects are, in order of preference, as follows:
1. Senior Centers
2. Homeless Facilities
3. Neighborhood Facilities
4. Water/Sewer Improvements
5. Street Improvements
6. Sidewalk Improvements
7. "Urgent Need"

Furthermore, the population to be served by the project must principally be low to moderate-income as defined by HUD. Low to moderate-income populations include census tracts that are classified by the United States Census Bureau as having a median household income (in 2022 dollars based on 2020 American Community Survey data) below the median for the area.

For this call for projects, City staff researched the United States Census Bureau's latest data and found several low to moderate-income census tracts in Laguna Hills where 51% or more of the residential neighborhood consist of low to moderate-income persons. Two such census tract locations are bounded by Avenida de la Carlota, Lake Forest Drive, Santa Vittoria Drive, and Ridge Route Drive.

Therefore, given the information available and funding rules, City staff submitted a project for approximately 80 curb ramp replacements at intersections bounded by Avenida de la Carlota, Lake Forest Drive, Santa Vittoria Drive, and Ridge Route Drive with a total value of $250,000. The application was successful. However, the County only awarded $195,121 to the City due to a subsequent reduction in grant funding from HUD. Correspondingly, the City reduced the scope of work of the project to 63 ramp locations to match the reduced grant funding amount allocated to the project. In the capital improvement program budget for fiscal years 2025/26 - 2026/27, City staff budgeted $250,000 for construction of this project as part of CIP 170, and an additional $50,000 for design efforts using general funds.

After award of the CDBG grant, City staff engaged one of the City's on-call civil engineering consultants, Tait & Associates, to design the FY26/27 Community Development Block Grant Curb Ramp Replacement Project, CIP 170. City staff and Tait & Associates have been working diligently to prepare the plans because the County has a construction contract award deadline of November 15, 2026.

This project is now ready for advertisement for bids. Correspondingly, City staff recommend the City Council approve the plans and specifications and authorize the advertisement for bids for the FY26/27 Community Development Block Grant Curb Ramp Replacement Project, CIP 170.

Fiscal Impact:

The biennial capital improvement program budget for fiscal years 2025/26 - 2026/27 has $250,000 allocated in CDBG funds for construction and $50,000 allocated in general funds for design services. Currently, the engineer's cost estimate projects that sufficient funding exists for this project.

Attachments:

1. Plans and Specifications for CIP 170

CITY OF LAGUNA HILLS
CALIFORNIA

PUBLIC WORKS PLANS
AND SPECIFICATIONS FOR
FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT

CIP No. 170

PREPARED FOR

CITY OF LAGUNA HILLS
24035 EL TORO ROAD
LAGUNA HILLS, CA 92653

SEPTEMBER 2025

CITY OF LAGUNA HILLS

SPECIFICATIONS FOR
FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

Approved By:

_____ _____

Joseph J. Ames, P.E., T.E., City Engineer
R.C.E. No. 66999
Expiration Date 9/30/2026

Date

CITY OF LAGUNA HILLS

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CITY OF LAGUNA HILLS
NOTICE INVITING BIDS FOR CONSTRUCTION OF
FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

NOTICE IS HEREBY GIVEN that sealed bids for the **FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170** ("Project") in the City of Laguna Hills will be received at the Office of the City Engineer of the 24035 El Toro Road, Laguna Hills, until **2:00 p.m. on Wednesday, October 14, 2026**, at which time they will be publicly opened and read aloud.

DESCRIPTION OF THE WORK: In general, the work is comprised of public works construction including sawcutting, removing, and reconstructing curb ramps with yellow tile truncated domes, replacing blue truncated domes with yellow tile truncated domes, and adjusting traffic signal pull boxes to grade, and other miscellaneous improvements as shown on the plans and as required to complete the work.

Most curb ramp improvements on this Project will be paid using Community Development Block Grant funding. Therefore, the City of Laguna Hills is requesting (but not requiring) bids from qualified bidders – including Section 3 license contractors and suppliers.

AWARD OF CONTRACT: The City reserves the right after opening bids to reject any or all bids, to waive any informality (non-responsiveness) in a bid, or to make award to the lowest responsive, responsible bidder**,** and reject all other bids, as it may best serve the interest of the City. Within three (3) business days of bid opening, contractor must submit a revised bid bond with numerical dollar values, both in words and with digits of bid amount. Within five (5) working days after the date of the Notice of Apparent Low Bidder, the successful bidder will be required to submit required Contract Agreement and Insurance. Within ten (10) working days after the date of the Notice of Award, the successful bidder will be required to submit Bonds (Faithful Performance and Material and Labor), Construction Schedule, and Water Pollution Control Plan.

CONTRACTOR'S LICENSE CLASSIFICATION: The Contractor shall possess a valid **Class A Contractor's License**, or a combination of Class C Contractor's Licenses as necessary to perform the work, at the time of submitting bids, in accordance with provisions of Chapter 9, Division III of the California Business and Professions Code.

WAGE RATE REQUIREMENTS: ***The wage rates applicable to this Project are the State of California Department of Industrial Relations prevailing rates of per diem wages and the U.S. Davis-Bacon Wage Rates for Federally-Funded Projects. Not less than higher of the State or Federal prevailing wage rates shall be paid for work on this Project.***

In accordance with the provisions of Sections 1773.2 of the California Labor Code, copies of the general prevailing rate of per diem wages as determined by the State Director of Industrial Relations are available at City Hall, which shall be made available to any interested party upon request, or on the Internet at the State Department of Industrial Relations website (www.dir.ca.gov) under Statistics and Research. It shall be mandatory upon the Contractor to whom the contract is awarded and upon any subcontractor to pay not less than said specified rates to all workers employed by them in the execution of the contract. A copy of said rates shall be posted at each job site during the course of construction. The Contractor and all subcontractors shall comply with all provisions of the California Labor Code relating to prevailing wage rates, including Sections 1770–1781.

This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. The Department of Industrial Relations shall monitor and enforce compliance with applicable prevailing wage requirements for the contract. The reporting requirements may be found at https://www.dir.ca.gov/Public-Works/Contractors.html. The Contractor is responsible for complying with all requirements of the Department of Industrial Relations, including filing electronic payroll reports.

A contractor or subcontractor will not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5. It is not a violation of Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

Due to Community Development Block Grant fuding, this is a Federally-assisted construction contract. Prevailing wage requirements of the Davis-Bacon Act and related requirements, will be enforced. The Federal wage rates are attached as Appendix D and can be found at the Department of Labor's website: https://www.dol.gov. The final contract package signed by the City and the Contractor will contain the most updated the federal wage rates.

RETAINAGE FROM PAYMENTS: The Contractor may elect to receive 100 percent of payments due under the Contract Documents from time to time, without retention of any portion of the payments by the City, by depositing securities of equivalent value with the City in accordance with the provisions of Section 22300 of the Public Contract Code. If the Contractor chooses not to exercise its rights under Public Contract Code Section 22300, the full five percent (5%) retention will be deducted from all payments. The final retention will be authorized for payment thirty-five (35) days after the date of recordation of the Notice of Completion, if no stop notices have been filed. The City may withhold from release of the final retention amounts authorized under Public Contracts Code Section 7107 and/or 125% of amounts identified in any Stop Notices received by the City.

OBTAINING OR INSPECTING CONTRACT DOCUMENTS: Contract Documents may be inspected without charge at the Public Works Department, City Hall, 24035 El Toro Road, Laguna Hills, California 92653. Contract Documents are available in portable document form (PDF) on the City's website https://lagunahillsca.gov/bids.aspx. It is the contractor's responsibility to ensure they are on the City's Plan Holder's List and they obtain any addendums or clarifications that are issued by the City on the City's website prior to submitting a bid. For any questions regarding acquisition of Contract Documents, contact Julie Comella at JComella@lagunahillsca.gov. Questions regarding the Contract Documents must be submitted in writing at least five (5) working days prior to the scheduled bid opening.

Dated this 11th day of September 2026.

City of Laguna Hills, California

BY _____
JOSHUA STEVENSON, CMC, CITY CLERK
24035 El Toro Road
Laguna Hills, CA 92653

Published: Saddleback Valley News

CITY OF LAGUNA HILLS

INSTRUCTIONS TO BIDDERS
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

1. PROPOSAL FORMS

Bids shall be submitted in writing on the Proposal forms provided by the City of Laguna Hills (hereinafter "CITY" or "City"). All blank spaces in the bid forms must be correctly filled in and all information requested therein must be clearly and legibly set forth in the manner and form indicated. All spaces for bid prices and lump sum price for which the bid is made, must be filled in, in both words and figures. All prices and notations must be in ink or typewritten. No erasures will be permitted. Mistakes may be crossed out and corrections typed or written in ink adjacent thereto and must be initialed by the person or persons signing the bid. Bidder acknowledges and agrees that by failing to complete the bid forms in their entirety, as set forth above, the CITY may find the bidder's entire bid non-responsive and may cause the rejection of the bidder's proposal at the discretion of the CITY.

2. PROPOSAL GUARANTEE (BID BOND)

In accordance with Public Contract Code Section 20170, proposals must be accompanied by a proposal guarantee consisting of either cash, a cashier's check, a certified check or bid bond payable to the CITY in the minimum amount of ten percent (10%) of the total amount bid. Any proposal not accompanied by such a guarantee will not be considered. **IF A BIDDER TO WHOM A CONTRACT IS AWARDED FAILS OR REFUSES TO EXECUTE THE CONTRACT DOCUMENTS OR FURNISH THE REQUIRED INSURANCE POLICIES AND BONDS AS SET FORTH IN THOSE DOCUMENTS, THE PROPOSAL GUARANTEE SHALL BE FORFEITED TO THE CITY**. The proposal guarantees of all bidders will be held until the successful bidder has properly executed all Contract Documents.

3. NON-COLLUSION AFFIDAVIT

Bidder shall declare that the only persons or parties interested in the proposal as principals are those named therein; that no officer, agent, or employee of the CITY is personally interested, directly or indirectly, in the proposal; that the proposal is made without connection to any other individual, firm, or corporation making a bid for the same work; and that the proposal is in all respects fair and without collusion or fraud. The Non-Collusion Affidavit shall be executed and submitted with the proposal.

4. PROPOSAL BID SHEET

Bidders shall give unit prices for each and all of the items set forth. No aggregate bids will be considered. The bidder shall set forth for each item of work, in clearly legible figures, a unit item price and a total for the item in the respective spaces provided for this purpose. The quantities listed in the Bid sheets are supplied to give an indication of the general scope of work, but the accuracy of figures is not guaranteed and the bidder shall make his own estimates from the drawings. In case of a variation between the unit price and the totals shown by the bidder, the unit price will be considered to be the bid.

5. DELIVERY OF PROPOSAL

Proposals may be mailed or delivered by messenger. However, it is the bidder's responsibility alone to ensure delivery of the proposal to the hands of the CITY's designated official prior to the bid opening time deadline set forth in the "Notice Inviting Sealed Bids." Late proposals will not be considered and will be returned to the bidder unopened. Proposals shall be enclosed in a sealed envelope plainly marked on the outside, "FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170 - DO NOT OPEN WITH REGULAR MAIL."

6. WITHDRAWAL OF PROPOSALS

A proposal may be withdrawn by a written request signed by the bidder. Such requests must be delivered to the CITY's designated official prior to the bid-opening time deadline set forth in the "Notice Inviting Sealed Bids". The withdrawal of a proposal will not prejudice the right of the bidder to submit a new proposal, provided there is time remaining to do so. Proposals may not be withdrawn after the bid opening without forfeiture of the proposal guarantee, except as authorized by state law. .

7. NONRESPONSIVE PROPOSALS

Unauthorized conditions, limitations, or provisions attached to a proposal will render it nonresponsive and may cause its rejection. The completed proposal forms shall be without inter-lineation, alterations, or erasures. Alternative proposals will not be considered unless specifically requested. No oral, telegraphic, or telephonic proposal, modification, or withdrawal will be considered.

8. TAXES

No mention shall be made in the proposal of Sales Tax, Use Tax, or any other tax, as all amounts bid will be deemed and held to include any such taxes that may be applicable. Bidder acknowledges and agrees that CITY shall not be responsible for the payment of any increase in Sales Tax, Use Tax, or any other tax that takes effect after award.

9. DISQUALIFICATION OF BIDDERS

In the event that any bidder acting as a prime contractor has an interest in more than one proposal, all such proposals will be rejected, and the bidder will be disqualified. This restriction does not apply to subcontractors or suppliers who may submit quotations to more than one bidder.

No contract will be executed unless the bidder is licensed in accordance with the provisions of the Business and Professions Code.

10. INTERPRETATION OF PLANS AND DOCUMENTS

If any person contemplates submission of a bid for the proposed contract and is in doubt as to the true meaning of any part of the plans, specifications or other proposed contract documents, or finds discrepancies in, or omissions from, the drawings or specifications, he or she may submit to the City Engineer a written request for an interpretation or correction thereof five (5) working days prior to the scheduled bid opening. The person submitting the request

will be responsible for its prompt delivery. Any interpretation or correction of the proposed documents shall be made only by addendum duly issued and copy of such addendum will be mailed or delivered to each person receiving a set of such documents. The City Engineer will not be responsible for any other explanation or interpretations of the proposed documents.

11. ADDENDA OR BULLETINS

The effect of all addenda to the Contract Documents shall be considered in the bid, and said addenda shall be made a part of the Contract Documents and shall be returned with them. Before submitting a bid, each bidder shall confirm as to whether or not any addenda have been issued, and failure to cover in this bid any such addenda issued, may render bid non-responsive and may result in its rejection by the CITY.

12. LEGAL RESPONSIBILITIES

All proposals must be submitted, filed, made, and executed in accordance with State and Federal laws relating to bids for contracts of this nature whether the same are expressly referred to herein or not.

Any bidder submitting a proposal shall by such action thereby agree to each and all of the terms, conditions, provisions, and requirements set forth, contemplated, and referred to in the Plans, Specifications, and Contract Documents, and to full compliance therewith.

13. AWARD OF CONTRACT

Following a review of the bids, the CITY shall determine whether to award the contract or to reject all bids. The award of contract, if made, will be to the lowest responsive-responsible bidder as determined solely by the CITY. At the time of contract award, the successful bidder shall hold a Class A Contractor's License, or a combination of Class C Contractor's License(s), as required to perform the work, issued by the State of California. Additionally, the CITY reserves the right to reject any or all proposals, to accept any bid or portion thereof, to waive any irregularity, and to take the bids under advisement for the period of time stated in the "Notice Inviting Sealed Bids", all as may be required to provide for the best interests of the CITY. In no event will an award be made until all necessary investigations are made as to the responsibility and qualifications of the bidder to whom the award is contemplated.

Within three (3) days of bid opening contractor must submit a revised bid bond with numerical dollar values, both in words and with digits of bid amount. Within five (5) working days after the date of the Notice of Apparent Low Bidder, the successful bidder will be required to submit required Contract Agreement and Insurance. Within ten (10) working days after the date of the Notice of Award, the successful bidder will be required to submit Bonds (Faithful Performance and Material and Labor). Submission of these documents shall be at the Low Bidder's sole cost and expense and shall not be made reimbursable by City. Award of Contract, if made, shall be solely the determination of the City Council.

No bidder may withdraw its proposal for a period of forty-five (45) days after the time set for opening thereof. However, the CITY will return all proposal guarantees within ten (10) days after the award of the contract or rejection of the bids, as the case may be, to the respective bidders whose proposals they accompany.

/

14. PREVAILING WAGE RATES

The wage rates applicable to this Project are the State of California Department of Industrial Relations prevailing rates of per diem wages and the U.S. Davis-Bacon Wage Rates for Federally-Funded Projects. Not less than higher of the State or Federal prevailing wage rates shall be paid for work on this Project.

In accordance with the provisions of Sections 1773.2 of the California Labor Code, copies of the general prevailing rate of per diem wages as determined by the State Director of Industrial Relations are available at City Hall, which shall be made available to any interested party upon request, or on the Internet at the State Department of Industrial Relations website (www.dir.ca.gov) under Statistics and Research.

The Federal Wage Rates are also available at City Hall or on the Internet (https://ppmoe.dot.ca.gov/des/oe/federal-wages/ca35.pdf) and are hereby physically attached, in conformance with the Federal 10-day rule, as a part of the Contract Documents (Appendix D). The Federal wage rate determination applies to Federal-aid contracts and all work performed exceeding $2,000 by subcontracts and subsequent lower-tier subcontracts and are required to be physically included in each executed contract. The City's decision to award a contract is conditioned upon the Bidder's acceptance of the Federal wage rate determination.

It shall be mandatory upon the Contractor to whom the Contract is awarded and upon any subcontractor to pay not less than said specified rates to all workers employed by them in the execution of the Contract. A copy of said rates shall be posted at each job site during the course of construction. The Contractor and all subcontractors shall comply with all provisions of the California Labor Code relating to prevailing wage rates, including Sections 1770–1781.

This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. The Department of Industrial Relations shall monitor and enforce compliance with applicable prevailing wage requirements for this Agreement. The reporting requirements may be found at https://www.dir.ca.gov/Public-Works/Contractors.html. The Contractor is responsible for complying with all requirements of the Department of Industrial Relations, including filing electronic payroll reports.

A contractor or subcontractor will not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5. It is not a violation of Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Contractor and its subcontractors shall maintain active registration with the Department of Industrial Relations for the duration of the Project.

A contractor or subcontractor will not be qualified to bid on, be listed in a bid proposal, subject to Section 6109 of the public Contract Code, or engage in the performance of any contract for public work on a public works project if the contractor or subcontractor is ineligible to perform work pursuant to Section 1777.1 or 1777.7 of the Labor Code.

The CITY will not recognize any claim for additional compensation because of the payment by the Contractor of any wage rate in excess of the prevailing wage rate or the Federal Minimum Wage Rate (whichever is greater) as set forth in the contract. The possibility of wage increases is one of the elements to be considered by the bidder in determining his bid, and will not under any circumstances be considered as the basis of a claim against the CITY on the Contract.

The Contractor and subcontractors shall comply with Section 1777.6 of the Labor Code which stipulates that it shall be unlawful to refuse to accept otherwise qualified employees as registered apprentices on any public works on any basis listed in Government Code Section 12940(a), as those bases are defined in Government Code Sections 12926 and 12926.1, except as provided in Labor Code Section 3077 and Government Code Section 12940.

15. WORKERS' COMPENSATION CERTIFICATE

Section 3700 of the Labor Code requires that every employer shall secure the payment compensation by either being insured against liability to pay compensation with one or more insurers or by securing a certificate of consent to self-insure from the State Director of Industrial Relations.

In accordance with this section and with Section 1861 of the Labor Code, the Contractor shall sign a Compensation Insurance Certificate which is included with the Contract Agreement, and submit same to CITY along with the other required Contract Documents, prior to performing any work. Reimbursement for this requirement shall be considered as included in the various items of work.

16. CLAYTON ACT AND CARTWRIGHT ACT

In accordance with Section 7103.5 of the Public Contract Code, in entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to CITY all rights, and interest in and all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the parties.

17. SUBLETTING AND SUBCONTRACTING.

Pursuant to the Subletting and Subcontracting Fair Practices Act (commencing with Section 4100 of the Public Contract Code), bidders are required to list in their proposal the name business address, California contractor license number, and public works contractor registration number issued pursuant to Section 1725.5 of the Labor Code of each subcontractor who will perform work or labor or render services in or about the construction of the work or improvement or a subcontractor who specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the Plans and Specifications in excess of 1/2 of 1% of this prime Contractor's total bid or $10,000, whichever is greater. If a subcontractor's California contractor license number or public works contractor registration number are submitted incorrectly in the bid, it will not be grounds for filing a bid

protest or grounds for considering the bid nonresponsive if the corrected subcontractor's California contractor license number is submitted to CITY within 24 hours after the bid opening

If the bidder fails to list a subcontractor for a portion of work or if the bidder lists more than one subcontractor of the same portion of work in excess of 1/2 of 1% of the total bid or $10,000, whichever is greater, the bidder agrees that it is fully qualified to perform that portion of work itself, and that the bidder shall perform that portion of work itself. If after award of the contract, the bidder actually subcontracts that portion of work, except as provided in Public Contract Code Section 4107 or 4109, the bidder shall be subject to the penalties listed in Section 4111 of the Public Contract Code. It is the CITY's intent for the Subletting and Subcontracting Fair Practices Act to apply to all phases of the work.

18. SUBSTITUTION OF SECURITIES

In conformance with Public Contract Code Section 22300, which is incorporated herein by this reference, the Contractor may substitute securities for any monies withheld by the CITY to ensure performance under the Contract or, in the alternative, may request payment of retention earned directly to an escrow agent.

At the request and expense of the Contractor, the Contractor has the option to deposit securities, which have been approved by the CITY, with a State or Federally chartered bank as the escrow agent or require the City to deposit 5% of each progress payment with the escrow agent. Said securities will be used as a substitute for retention earnings required to be withheld by the CITY, pursuant to the construction contract. Said securities shall have no obligation to any other construction contract for substitution of securities in lieu of retention. When the Contractor deposits the CITY approved securities with the escrow agent, the escrow agent shall notify the CITY within 10 calendar days of the deposit. Said securities shall be evaluated quarterly by the escrow agent to verify the current market value. If the current market value of said securities falls below the required amount, the escrow agent shall notify the Contractor and require additional securities and/or cash to be submitted for CITY approval, and be held in the escrow account to meet the Contractor's obligations. The escrow agent shall hold said securities until such time as the escrow agent receives written notification from the CITY that the Contractor has satisfactorily completed his Contract obligations.

The type of securities deposited and the method of release shall be approved by the City Attorney's office.

If the Contractor chooses not to exercise its rights under Public Contract Code Section 22300, the full five percent (5%) retention will be deducted from all payments. The final retention will be authorized for payment thirty-five (35) days after the date of recordation of the Notice of Completion, if no stop notices have been filed. The CITY may withhold from release of the final retention amounts authorized under Public Contracts Code Section 7107 and/or 125% of amounts identified in any Stop Notices received by the CITY.

19. BID DOCUMENT/PROPOSAL EDITS

No Proposer shall modify, edit, interlineate or change any portion of the Bid Proposal pages without the Agency's written issuance of a formal Addenda. Any Proposer that modifies, edits, interlineates or changes the Bid Proposal sheets with unauthorized changes shall be deemed to be a non-responsive Bidder.

20. BUY AMERICA REQUIREMENTS

Attention is directed to the “Buy America” requirements of the Surface Transportation Assistance Act of 1982 (Section 165) and the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) Sections 1041(a) and 1048(a), and the regulations adopted pursuant thereto. In accordance with said law and regulations, all manufacturing processes for steel and iron materials furnished for incorporation into the work on this project shall occur in the United States; with the exception that pig iron and processed, pelletized and reduced iron ore manufactured outside of the United States may be used in the domestic manufacturing process for such steel and iron materials. The application of coatings, such as epoxy coating, galvanizing, painting, and any other coating that protects or enhances the value of such steel or iron materials shall be considered a manufacturing process subject to the “Buy America” requirements.

A Certificate of Compliance, conforming to the provisions in Section 6-1.07, “Certificates of Compliance,” of the Standard Specifications, shall be furnished for steel and iron materials. The certificates, in addition to certifying that the materials comply with the specifications, shall also specifically certify that all manufacturing processes for the materials occurred in the United States, except for the exceptions allowed herein.

The requirements imposed by said law and regulations to do not prevent a minimal use of foreign steel and iron materials if the total combined cost of such materials used does not exceed one-tenth of one percent (0.1%) of the total contract cost or $2,500, whichever is greater. The Contractor shall furnish the City with acceptable documentation of the quantity and value of any foreign steel and iron prior to incorporating such materials into the work.

BIDDER'S NAME:_____

CITY OF LAGUNA HILLS

PROPOSAL
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

TO **CITY OF LAGUNA HILLS**, as CITY:

In accordance with CITY's "Notice Inviting Sealed Bids", the undersigned BIDDER hereby proposes to furnish all materials, equipment, tools, labor, and incidentals required for the above stated project as set forth in the Plans, Specifications, and Contract Documents therefore, and to perform all work in the manner and time prescribed therein.

BIDDER declares that this proposal is based upon careful examination of the work site, Plans, Standard Specifications, Notice Inviting Sealed Bids, Instructions to Bidders, Proposal Documents, General Specifications, Special Provisions and Contract Documents. If this proposal is accepted for award, BIDDER agrees to enter into a contract with CITY at the unit and/or lump sum prices set forth in the following Proposal Bid Sheet. BIDDER understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to CITY of the Bid Security accompanying this proposal.

BIDDER understands that a bid is required for the entire work, that the estimated quantities set forth in the Proposal Bid Sheet are solely for the purpose of comparing bids, and that final compensation under the contract will be based upon the actual quantities of work satisfactorily completed. It is agreed that the unit and/or lump sum prices bid include all appurtenant expenses, taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amounts.

BIDDER agrees and acknowledges that it is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that the BIDDER will comply with such provisions of that code before the commencement of any work under this Contract, if awarded.

BIDDER certifies that in all previous contracts or subcontracts, all reports which may have been due under the requirements of any CITY, State, or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

BIDDER declares that the only persons or parties interested in this proposal as principals are those named herein; that no officer, agent, or employee of the CITY is personally interested, directly or indirectly, in this proposal; that this proposal is made without connection to any other individual, firm, or corporation making a bid for the same work; and that this proposal is in all respects fair and without collusion or fraud.

BIDDER certifies that affirmative action has been taken to seek out and consider disadvantaged business enterprises for those portions of the work to be subcontracted, and that such affirmative actions have been carefully documented, that said documentation is open to inspection, and that said affirmative action will remain in effect for the life of any contract awarded hereunder.

Furthermore, BIDDER certifies that affirmative action will be taken to meet all equal employment opportunity requirements of the contract documents.

BIDDER'S NAME:_____ DATE:_____, 20__

BIDDER'S ADDRESS:_____ BY:_____
(Print Name)

_____

_____ _____
(Signature)

PHONE: (___)_____ TITLE:_____

Subscribed and sworn to before me BY: _____
this _____ day of_____, 20___ (Print Name)

_____ _____
(Signature of Notary Public) (Signature)

(Attach Jurat) TITLE: _____

(SEAL)

BIDDER'S INFORMATION

BIDDER certifies that the following information is true and correct:

Bidder's Name:_____

Business Address:_____

Email:_____ Telephone:( )_____

State Contractor's License No. and Class:_____

Original Date Issued:_____ Expiration Date:_____

The following are the names, titles, addresses, and phone numbers of all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest in this proposal:

_____

_____

The dates of any voluntary or involuntary bankruptcy judgments against any principal having an interest in this proposal are as follows:

_____

_____

All current and prior DBA's, alias, and/or fictitious business names for any principal having an interest in this proposal are as follows:

_____

_____

Subscribed and sworn to before me
this _____ day of_____, 20___

BY: _____
(Print Name)

_____
(Signature of Notary Public)

_____
(Signature)

TITLE: _____

(SEAL)

BIDDER'S NAME:_____

LIST OF SUBCONTRACTORS (4100 PUBLIC CONTRACT CODE)

BIDDER proposes to subcontract certain portions of the work, and to procure materials and equipment from suppliers and vendors in excess of ½ of 1% of the total bid amount or ten thousand dollars ($10,000), whichever is greater as follows (add additional pages as necessary) (Bidder must include all requested information):

Subcontractor Name:_____
Address:_____
License No. and Class:_____
DIR Registration No.:_____
Phone No.:_____ Email:_____
Percent of Total Contract:_____
Specific Scope of Work:_____
_____

Subcontractor Name:_____
Address:_____
License No. and Class:_____
DIR Registration No.:_____
Phone No.:_____ Email:_____
Percent of Total Contract:_____
Specific Scope of Work:_____
_____

Subcontractor Name:_____
Address:_____
License No. and Class:_____
DIR Registration No.:_____
Phone No.:_____ Email:_____
Percent of Total Contract:_____
Specific Scope of Work:_____
_____

Subcontractor Name:_____
Address:_____
License No. and Class:_____
DIR Registration No.:_____
Phone No.:_____ Email:_____
Percent of Total Contract:_____
Specific Scope of Work:_____
_____

BIDDER'S NAME:_____

REFERENCES

The BIDDER shall provide the names, addresses, phone numbers, and e-mail addresses of three (3) references for which BIDDER has performed similar work within the past three years, with at least two (2) references being public agencies. Failure of the BIDDER to list the required references in the bid proposal, or the subsequent inability of the CITY to verify any provided references, shall result in the BIDDER being deemed non-responsive.

Agency Name:_____
Address:_____
Phone No.:_____ Contact:_____
Description of Work:_____

Agency Name:_____
Address:_____
Phone No.:_____ Contact:_____
Description of Work:_____

Agency Name:_____
Address:_____
Phone No.:_____ Contact:_____
Description of Work:_____

DESIGNATION OF SURETIES

The following are the names, addresses, and phone numbers for all brokers and sureties from whom BIDDER intends to procure insurance and bonds:

Name:_____
Address:_____
Phone No.:_____ Contact:_____

Name:_____
Address:_____
Phone No.:_____ Contact:_____

Name:_____
Address:_____
Phone No.:_____ Contact:_____

Name:_____
Address:_____
Phone No.:_____ Contact:_____

CONTRACTOR'S LICENSING STATEMENT

BIDDER certifies that the following is true and correct. The undersigned is licensed in accordance with the laws of the State of California providing for the registration of Contractors.

Contractor's License Number:_____

DIR Registration No.:_____

Name of Individual Contractor (Print or type):

_____

Signature of Owner(s):_____ _____

Business Address:_____

or

Name of Company:_____

Business Address:_____

Officers:

Name:_____ Title:_____

Name:_____ Title:_____

Name:_____ Title:_____

or

Name of Corporation: _____

Business Address:_____

Corporation organized under the laws of the State of:

_____ _____

Name of President of Corp./ Company Name of Secretary of Corp./ Company

Subscribed and sworn to before me
this _____ day of_____, 20___

BY: _____
(Print Name)

_____ _____

(Signature of Notary Public) (Signature)

TITLE: _____

(SEAL)

Bond Amount $_____
Bond Number_____

BIDDER'S BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS,_____ (the "Principal") has submitted a
(NAME OF BIDDER)
bid (the "Bid") to the City of Laguna Hills, California (the "City") for construction of the

_____(the "Work"), as specifically set
(NAME OF PROJECT AND/OR DESCRIPTION OF WORK)
forth in documents entitled_____,
(TITLE OF BID PACKAGE)
Dated:_____, 20____(the "Specifications").

AND WHEREAS, the Principal is required to provide bidder's security in an amount equal to at least ten percent (10%) of the amount of the Bid and has chosen to satisfy this obligation by providing this bond.

NOW, THEREFORE, we, the Principal, and_____ (the
(NAME OF SURETY)
"Surety"), an admitted surety insurer in the State of California, are held firmly bound unto the City of Laguna Hills in the sum of_____ and_____/100 DOLLARS ($_____), lawful money of the United States of America, for the payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents, this amount being ten percent (10%) of the total amount of the Bid.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

1. If (a) the City accepts the Bid and awards the Principal a contract for the Work, and (b) within the time and manner required under the Specifications or by law, after the prescribed forms are presented to the Principal for signature, the Principal executes a written contract for construction of the Work in accordance with the Bid and delivers the required faithful performance and payment bonds and insurance policies, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.
2. The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and its bond shall be in no way impaired or affected by any extension of the time within

Bond Amount $_____
Bond Number_____

which the City may accept such Bid; and said Surety does hereby waive notice of any such extension.

3. In the event suit is brought upon this bond by the City and judgment is recovered, as part of the obligation secured hereby and in addition to the face amount specified in this bond, the Surety shall pay all costs incurred by the City in such suit, including reasonable attorneys' fees to be fixed by the court.

IN WITNESS WHEREOF, this instrument has been duly executed by the Principal and Surety above named on the_____ day of_____, 20_____.

PRINCIPAL:	**SURETY:**
_____	_____
(Principal Name) (Seal)	(Surety Name) (Seal)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
Principal Address and Telephone:	Surety Address and Telephone:
_____	_____
_____	_____
_____	_____

Affix Corporate Seals
Attach Notary Acknowledgments for All Signatures
Attach Power-of-Attorney if Executed by Attorney-in-Fact

BIDDER'S NAME:_____

NON-COLLUSION AFFIDAVIT TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

In conformance with Public Contract Code Section 7106, the party making the foregoing bid declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on_____[date], at _____[city], _____ [state]."

Signed:_____

_____
Title

Subscribed and sworn to before me
this_____ day of_____, 20___.

_____
Signature of Notary Public

(SEAL)

BIDDER'S NAME:_____

CITY OF LAGUNA HILLS

PROPOSAL BID SHEETS
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

BIDDER SHALL COMPLETE ALL BID PAGES INCLUDING BASE BID AND ADDITIVE BID 1

BASE BID ITEMS 1-4: All Areas

Item	Description	Est. Quantity	Units	Unit Price	Total Cost
1	Mobilization (5% max of Subtotal)	1	LS		
2	Traffic Control & Noticing	1	LS		
3	Water Pollution Control Plan and BMP Implementation	1	LS		
4	Construction Surveying & Monument Restoration	1	LS		

SUBTOTAL IN FIGURES:
(BASE BID ITEMS 1-4) $_____

BASE BID ITEMS 5-9:

Item	Description	Est. Quantity	Units	Unit Price	Total Cost
5	Remove & Replace Curb Ramp per OCPW Std. Plan 1115, Case 1, with yellow tile truncated domes.	6	EA		
6	Remove & Replace Curb Ramp per OCPW Std. Plan 1115, Case 2, with yellow tile truncated domes.	2	EA		
7	Remove & Replace Curb Ramp per OCPW Std. Plan 1115, Case 4, with yellow tile truncated domes.	5	EA		
8	Remove & Replace Curb Ramp per OCPW Std. Plan 1115, Case 7, with yellow tile truncated domes.	1	EA		
9	Remove existing blue truncated domes (sawcut with no overcuts), and install new yellow tile truncated domes, per OCPW Std. Plan 1115.	49	EA		

SUBTOTAL IN FIGURES:
(BASE BID ITEMS 5-9) $_____

BIDDER'S NAME:_____

TOTAL BASE BID IN FIGURES:

$_____

TOTAL BASE BID IN WORDS:

_____DOLLARS

AND_____CENTS.

NOTE: THE ESTIMATED QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND ARE TO BE USED ONLY AS COMPARISON OF BIDS. PAYMENT FOR QUANTITIES WILL BE MADE FOR ACTUAL MATERIALS USED ON THE JOB. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE THE AMOUNT OF ANY QUANTITY SHOWN AND TO DELETE ALL OR ANY ITEM FROM THE CONTRACT. IF THERE IS A CONFLICT BETWEEN THE UNIT PRICE PROVIDED AND TOTAL COST, THE UNIT PRICE SHALL PREVAIL. IF THERE IS A CONFLICT BETWEEN THE "TOTAL BID FIGURES" AND THE "TOTAL BID IN WORDS", THE "TOTAL BID IN WORDS" SHALL PREVAIL. AWARD SHALL BE ON THE BASIS OF BASE BID ONLY.

BIDDER'S NAME:_____

CITY OF LAGUNA HILLS

PROPOSAL BID SHEETS
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

BIDDER SHALL COMPLETE ALL BID PAGES INCLUDING BASE BID AND ADDITIVE BID 1

ADDITIVE BID ITEMS A1-A2:

Item	Description	Est. Quantity	Units	Unit Price	Total Cost
A1	Remove & Replace Curb Ramp per OCPW Std. Plan 1115, Case 4, with yellow tile truncated domes.	13	EA		
A2	Remove existing blue truncated domes (sawcut with no overcuts), and install new yellow tile truncated domes, per OCPW Std. Plan 1115.	1	EA		

SUBTOTAL IN FIGURES:
(ADDITIVE BID ITEMS 5-8) $_____

TOTAL BASE BID <u>PLUS ALL</u> ADDITIVE BIDS IN FIGURES:

$_____

TOTAL BASE BID <u>PLUS ALL</u> ADDITIVE BIDS IN WORDS:

_____DOLLARS

AND_____CENTS.

NOTE: THE ESTIMATED QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND ARE TO BE USED ONLY AS COMPARISON OF BIDS. <u>AWARD SHALL BE ON THE BASIS OF BASE BID ONLY</u>.PAYMENT FOR QUANTITIES WILL BE MADE FOR ACTUAL MATERIALS USED ON THE JOB. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE THE AMOUNT OF ANY QUANTITY SHOWN AND TO DELETE ALL OR ANY ITEM FROM THE CONTRACT. IF THERE IS A CONFLICT BETWEEN THE UNIT PRICE PROVIDED AND TOTAL COST, THE UNIT PRICE SHALL PREVAIL. IF THERE IS A CONFLICT BETWEEN THE "<u>TOTAL BASE BID FIGURES</u>" AND THE "<u>TOTAL BASE BID IN WORDS</u>", THE "<u>TOTAL BASE BID IN WORDS</u>" SHALL PREVAIL.

CITY OF LAGUNA HILLS

PROPOSAL BID SHEETS
FOR

COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT
CIP 170

PROPOSAL

IN WITNESS WHEREOF, BIDDER executes and submits this proposal with the names, titles, hands, and seals of all forenamed principals this_____ day of_____, 20___.

BIDDER_____

_____

_____

_____

Subscribed and sworn to before me
this _____ day of_____, 20___

BY: _____
(Print Name)

_____
(Signature of Notary Public)

_____
(Signature)

(Attach Jurat)

TITLE: _____

(SEAL)

CITY acknowledges that this proposal was received and opened at the time and in the place specified, and that it was accompanied by the required guarantee in the minimum amount of ten percent (10%) of the total bid.

By:_____

Title:_____

BIDDER'S NAME:_____

BIDDER'S CERTIFICATION FOR

ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR PUBLIC WORKS CONSTRUCTION CITY OF LAGUNA HILLS

BIDDER agrees, acknowledges and is fully aware of the insurance requirements as specified in the INSTRUCTIONS TO BIDDERS FOR FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170 AND IN THE SPECIAL PROVISIONS FOR FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170 and accepts all conditions and requirements contained therein.

_____
Bidder

_____ _____
By Date

******* SUBMIT THIS EXECUTED FORM WITH THE BID**

BIDDER'S NAME:_____

BIDDER'S CERTIFICATION FOR

BUY AMERICA REQUIREMENTS

Attention is directed to the "Buy America" requirements of the Surface Transportation Assistance Act of 1982 (Section 165) and the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) Sections 1041(a) and 1048(a), and the regulations adopted pursuant thereto. In accordance with said law and regulations, all manufacturing processes for steel and iron materials furnished for incorporation into the work on this project shall occur in the United States; with the exception that pig iron and processed, pelletized and reduced iron ore manufactured outside of the United States may be used in the domestic manufacturing process for such steel and iron materials. The application of coatings, such as epoxy coating, galvanizing, painting, and any other coating that protects or enhances the value of such steel or iron materials shall be considered a manufacturing process subject to the "Buy America" requirements.

A Certificate of Compliance, conforming to the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications, shall be furnished for steel and iron materials. The certificates, in addition to certifying that the materials comply with the specifications, shall also specifically certify that all manufacturing processes for the materials occurred in the United States, except for the exceptions allowed herein.

The requirements imposed by said law and regulations do not prevent a minimal use of foreign steel and iron materials if the total combined cost of such materials used does not exceed one-tenthof one percent (0.1%) of the total contract cost or $2,500, whichever is greater. The Contractor shall furnish the City with acceptable documentation of the quantity and value of any foreign steel and iron prior to incorporating such materials into the work.

_____
Bidder

_____ _____
By Date

******* SUBMIT THIS EXECUTED FORM WITH THE BID**

CITY OF LAGUNA HILLS

CONTRACT AGREEMENT
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

THIS CONTRACT AGREEMENT (hereinafter "Agreement" or "Contract" or "Contract Agreement") is made and entered into for the above stated Project this _____ day of _____, 20____, BY AND BETWEEN THE **CITY OF LAGUNA HILLS**, as CITY, and _____, as CONTRACTOR.

WITNESSETH that CITY and CONTRACTOR have mutually agreed as follows:

ARTICLE I

The contract documents for the aforesaid Project shall consist of the Notice Inviting Sealed Bids, Instructions to Bidders, Proposal Documents, Contract Documents, General Specifications, Standard Specifications, Special Provisions, Plans, and all referenced specifications, details, standard drawings, and all appendices attached hereto, together with this Contract Agreement and all required bonds, insurance coverage, permits, notices, and affidavits; and also including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to ensure its completion in an acceptable manner (hereinafter collectively the "Contract Documents"). All of the provisions of said Contract Documents are attached hereto and are incorporated by reference herein and made a part of this Contract Agreement as though fully set forth herein.

ARTICLE II

For and in consideration of the payments and agreements to be made and performed by CITY, CONTRACTOR agrees to furnish all materials and perform all work required for the above stated project, and to fulfill all other obligations as set forth in the aforesaid Contract Documents.

ARTICLE III

CONTRACTOR agrees to receive and accept the prices set forth in the Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid Contract Documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work. Notwithstanding any provisions of this Agreement to the contrary, CITY and CONTRACTOR mutually agree that CITY's maximum cumulative payment obligation hereunder (including CONTRACTOR's profit) shall be Dollars ($0.00), which shall include all amounts payable to CONTRACTOR for its subcontracts, leases, materials and costs arising from, or due to termination of, this Agreement.

ARTICLE IV

CITY hereby promises and agrees to employ, and does hereby employ, CONTRACTOR to provide the materials, do the work, and fulfill the obligations according to the terms and conditions

herein contained and referred to, for the prices aforesaid, and hereby contracts to pay the same at the time, in the manner, and upon the conditions set forth in the Contract Documents.

ARTICLE V

CONTRACTOR acknowledges the provisions of the Labor Code requiring every employer to be insured against liability for workers' compensation, or to undertake self-insurance in accordance with the provisions of that code, and certifies compliance with such provisions.

ARTICLE VI

CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein.

ARTICLE VII

CONTRACTOR hereby represents and warrants that it will comply with all of the provisions of the Federal Immigration and Nationality Act, 8 U.S.C. Section 1101, *et seq*., as amended, and in connection therewith, shall not employ unauthorized aliens as defined therein. Should CONTRACTOR so employ such unauthorized aliens for the performance of any work and/or services under this Agreement, and should any liability or sanctions be imposed against CITY for such use of unauthorized aliens, CONTRACTOR hereby agrees to reimburse CITY for any and all liabilities, actions, suits, claims, demands, losses, costs, judgments, arbitration awards, settlements, damages, demands, orders, or penalties which arise out of or are related to such employment, together with any and all costs, including attorneys' fees, incurred by CITY.

ARTICLE VIII

To the fullest extent permitted by law, CONTRACTOR shall defend (at CONTRACTOR's sole cost and expense), indemnify, protect, and hold harmless CITY, its elected and appointed officials, officers, employees, agents, and volunteers (collectively the "Indemnified Parties"), from and against any and all liabilities, actions, suits, claims, demands, losses, costs, judgments, arbitration awards, settlements, damages, demands, orders, penalties, and expenses including legal costs and attorney fees (collectively "Claims"), including but not limited to Claims arising from injuries to or death of persons (CONTRACTOR's employees included), or for damage to property, including property owned by CITY, which Claims arise out of, pertain to, or are related to CONTRACTOR's performance under the Agreement. Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit CONTRACTOR's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless, and indemnify the CITY, its elected and appointed officials, officers, employees, agents, and volunteers, shall not apply to such claims or liabilities arising from the sole or active negligence or willful misconduct of CITY.

ARTICLE IX

CONTRACTOR shall be familiar with, observe, and comply at all times during the term of this Agreement with any work rules for contractors as may be established and promulgated by the City Manager, which work rules shall be additional terms and conditions for providing the work and services to the CITY pursuant to this Agreement, as may be updated and/or amended from time to time at the sole discretion of the City Manager.

[SIGNATURES ON NEXT PAGE]

CONTRACT AGREEMENT

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed the day and year first written.

CITY:

_____
BOB WINGENROTH, CITY MANAGER
CITY OF LAGUNA HILLS

ATTEST:

_____
JOSHUA STEVENSON, CMC, CITY CLERK
CITY OF LAGUNA HILLS

_____
COLIN BURNS, CITY ATTORNEY
CITY OF LAGUNA HILLS

CONTRACTOR:

_____
(CORPORATION (NAME - TYPE))

BY:_____
(PRINT)

_____
(SIGNATURE)

_____
(TITLE)

BY:_____
(PRINT)

_____
(SIGNATURE)

_____
(TITLE)

NOTE: SIGNATURES OF CORPORATE OFFICIALS MUST BE NOTARIZED, ATTACH JURAT.

(Page 1 of 2) Bond Amount $_____

Bond Number_____

FAITHFUL PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, on_____, the City of Laguna Hills, California
(DATE OF AWARD)
("City") awarded a public works contract (the "Contract"), delineated as Contract No._____,

for the_____, as
(NAME OF PROJECT AND/OR DESCRIPTION OF WORK)

specified in the Contract , to_____, a
(NAME OF CONTRACTOR)

_____ hereby designated as the "Principal",
(CONTRACTOR ENTITY TYPE i.e., INC, LLC, ETC)
which Contract is attached hereto, and which Contract and all documents incporated thereinby reference are expressly incorporated into this bond by reference.

AND WHEREAS, the Principal is required under the terms of the Contract to furnish a bond for the faithful performance of the Contract.

NOW, THEREFORE, we, the Principal, and_____ (the
(NAME OF SURETY)
"Surety"), an admitted surety insurer in the State of California, are held firmly bound unto the City of Laguna Hills in the sum of_____ and_____/100 DOLLARS ($_____), lawful money of the United States of America, for the payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

1. If the Principal, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly do and perform all of the covenants and obligations of the Contract, including the provisions for liquidated damages in said Contract, and including any and all amendments, supplements, and alterations made to the Contract as provided therein, on the Principal's part to be done and performed at the times and in the manner specified in the Contract, and shall indemnify and save harmless the City, its officers and agents as specified in the Contract, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect;
2. In the event the Principal fails to fully perform all requirements in accordance with the terms and conditions of the Contract, then the Surety shall enforce performance by the Principal or shall pay the City for the same in an amount not exceeding the amount specified in this bond.3. In the event suit is brought upon this bond by the City and judgment is recovered, as part of the obligation secured hereby and in addition to the face amount specified in this bond, the

Surety shall pay all costs incurred by the City in such suit, including reasonable attorneys' fees to be fixed by the court.

4. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alterations, additions, omissions or other modifications to the terms of the Contract, or in the work to be performed or the material to be furnished under the Contract, or in the specifications or plans, whether or not made pursuant to the terms of the Contract, shall in any manner release either the Principal or Surety or affect the Surety's obligations on this bond, and it does hereby waive notice of any such changes, extensions, alterations, additions, omissions or other modifications.

IN WITNESS WHEREOF, this instrument has been duly executed by the Principal and Surety above named on the_____ day of_____, 20_____.

PRINCIPAL:	**SURETY:**
_____	_____
(Principal Name) (Seal)	(Surety Name) (Seal)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
Principal Address and Telephone:	Surety Address and Telephone:
_____	_____
_____	_____
_____	_____

Affix Corporate Seals
Attach Notary Acknowledgments for All Signatures
Attach Power-of-Attorney if Executed by Attorney-in-Fact

PAYMENT (LABOR AND MATERIAL) BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, on _____ (DATE OF AWARD), the City of Laguna Hills, California ("City") awarded a public works contract (the "Contract"), delineated as Contract No._____, for the _____ (NAME OF PROJECT AND/OR DESCRIPTION OF WORK), as specified in the Contract , to _____ (NAME OF CONTRACTOR), a _____ (CONTRACTOR ENTITY TYPE i.e., INC, LLC, ETC) hereby designated as the "Principal", which Contract is attached hereto, and which Contract and all documents incporated thereinby reference are expressly incorporated into this bond by reference.

AND WHEREAS, the Principal is required under the terms of the Contract to give this bond in connection with the execution of the Contract.

NOW, THEREFORE, we, the Principal, and _____ (NAME OF SURETY) (the "Surety"), an admitted surety insurer in the State of California, are held firmly bound unto the City of Laguna Hills in the sum of _____ and _____/100 DOLLARS ($_____), lawful money of the United States of America, for the payment of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

1. If the Principal, or its subcontractors, or their respective heirs, executors, administrators, successors or assigns, shall fail to pay (a) any of the persons named in Section 9100 of the California Civil Code, (b) any amounts due under the California Unemployment Insurance Code with respect to work or labor performed under the Contract, or (c) any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Principal and its subcontractors pursuant to Section 13020 of the California Unemployment Insurance Code with respect to such work or labor, then the Surety shall pay for the same, in an aggregate amount not exceeding the sum specified in this bond. In case suit is brought upon this bond, the Surety will pay reasonable attorney's fees to be fixed by the court.
2. This bond shall inure to the benefit of any of the persons named in Section 9100 of the California Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

3. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alterations, additions, omissions or other modifications to the terms of the Contract, or in the work to be performed or the material to be furnished under the Contract, or in the specifications or plans, whether or not made pursuant to the terms of the Contract, shall in any manner release either the Principal or Surety or affect the Surety's obligations on this bond, and it does hereby waive notice of any such changes, extensions, alterations, additions, omissions or other modifications.

IN WITNESS WHEREOF, this instrument has been duly executed by the Principal and Surety above named on the_____ day of_____, 20_____.

PRINCIPAL:	**SURETY:**
_____	_____
(Principal Name) (Seal)	(Surety Name) (Seal)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
By:	By:
_____	_____
(Signature)	(Signature)
_____	_____
(Print Name and Title)	(Print Name and Title)
Principal Address and Telephone:	Surety Address and Telephone:
_____	_____
_____	_____
_____	_____

Affix Corporate Seals
Attach Notary Acknowledgments for All Signatures
Attach Power-of-Attorney if Executed by Attorney-in-Fact

COMPENSATION INSURANCE CERTIFICATE

Pursuant to Section 1861 of the State Labor Code, each contractor to whom a public works contract has been awarded shall sign the following certificate and shall submit same to the City prior to performing any work on the contract:

"*I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of work of this contract*."

_____
Contractor

By: _____
(PRINT)

_____
(SIGNATURE)

_____
Title

_____
Date

Section 3700 of the Labor Code reads as follows:

"Every employer except the State shall secure the payment of compensation in one or more of the following ways:

"(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this state.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employee."

COMPENSATION INSURANCE CERTIFICATE

TO BE SUBMITTED WITH CONTRACT

CITY OF LAGUNA HILLS

GENERAL SPECIFICATIONS
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

SCOPE OF WORK

The work to be performed and completed by Contractor consists of sawcutting, removing, and reconstructing curb ramps with yellow tile truncated domes, replacing blue truncated domes with yellow tile truncated domes, and adjusting traffic signal pull boxes to grade, and all other incidental work in this specification document.

LOCATION OF WORK

The Project location is the area bounded by Avenida de la Carlota, Lake Forest Drive, Santa Vittoria Drive, and Ridge Route Drive, as shown on the plans.

TIME OF COMPLETION

The Contractor shall complete all work in every detail within thirty (30) working days after the date of the Notice to Proceed.

TRAFFIC REQUIREMENTS

The Contractor shall provide delineation in accordance with the latest updated version of the California Manual on Uniform Traffic Control Devices (MUTCD). The Contractor shall schedule the order of his work such that no travel lanes are closed before 8:30 A.M. or after 4:30 P.M. daily. A minimum of one through travel lane and all turning lanes in all directions shall be maintained during construction between 8:30 A.M. and 4:30 P.M. The same number of travel lanes currently in use (at the time of bid) shall be opened to traffic each and every day between 4:30 P.M. and 8:30 A.M. No work that interferes with public traffic shall be performed after 4:30 P.M. or before 8:30 A.M. No street closures shall be made. The traffic signal and traffic signal detectors shall remain operational during the construction until their replacement is scheduled within 5 days of disruption. Night work shall only be allowed with approved, written approval by the City Engineer, at the contractor’s request, and shall be completed at no additional cost if approved.

Separation between travel lanes shall be accomplished by the use of delineators placed at a maximum of 15' on center. Traffic channelization at intersections shall be accomplished by the use of delineators placed at a maximum of 10' on center.

UTILITY REQUIREMENTS

The Contractor is advised of the existence of the utility notification service provided by UNDERGROUND SERVICE ALERT (USA). USA member utilities will provide the Contractor with the precise locations of their substructures in the construction area when the Contractor gives at least 48 hours notice to the Underground Service Alert by calling 1(800) 422-4133. Contractor shall provide the City with proof of contact with USA upon request.

The Contractor shall notify the following agencies at least 48 hours in advance of excavating around any of their structures. The utility companies listed below can be contacted as indicated.

NAME	ADDRESS	ATTENTION	Phone Number
AT&T	3939 E. Coronado St. Anaheim, CA 92807	Robert Fleisher	714/618-9129
OCTA	550 S. Main Street Orange, CA 92613-1584	Kyle Poff	714/560-5816
Southern California Edison	14155 Bake Parkway Irvine, CA 92718	Chris Schafer	949/458-4413
El Toro Water District	24251 Los Alisos Blvd. Lake Forest, CA 92630	Brian Miller	949/837-7050 Ext. 224
Gas Company	1919 South State College Anaheim, CA 92806	Andrew Alday	714/385-3377
Gas Company Southern Region Transmission	P. O. Box 1100 Chatsworth, CA 91313	Rosalyn Squires	818/701-4546
CR&R	P.O. Box 1100 San Juan Capistrano, CA 92693-1100	Mike Campuzano	949/254-1779
Saddleback Unified School District	25631 Diseno Drive Mission Viejo, CA 92691	Frank Manzo	949/580-3335
Moulton Niguel Water District	27500 La Paz Road Laguna Niguel, CA 92677	Steve Merk	949/425-3538
Cox Communication	27121 Towne Centre Drive Foothill Ranch, CA 92610	Reynaldo Castro	949/563-8889
Santa Margarita Water District	P. O. Box 7005 Mission Viejo, CA 92690-7005	Jaime Aguilar	949/459-6582
San Diego Gas & Electric	662 Camino de los Mares San Clemente, CA 92673	Attn: Dolphus D. Davis	949/369-4721

The California Public Utilities Commission mandates that, in the interest of public safety, main line gas valves be maintained in a manner to be readily accessible and in good operating condition. The Contractor shall notify the Southern California Gas Company (714) 634-3185 at least 2 working days prior to the start of construction.

The Contractor shall exercise extreme care to protect all existing utilities in place whether shown on the plans or not, and shall assume full responsibility for all damage resulting from his operations. The Contractor shall coordinate with each utility company as to the requirements and methods for protection of their facilities during the construction period, and shall be responsible for preparation and processing of any required plans or permits. The Contractor shall assume full responsibility to maintain uninterrupted service for all utilities.

By submitting a bid, the Contractor acknowledges the above referenced utility work to be done in conjunction with this Project. The Contractor shall schedule his work and conduct his operations so as to permit access and time for the required utility work to be accomplished during the progress of the work.

The Contractor shall coordinate with each utility company as to the extent of required work and the time required to do so. The Contractor shall include this time in his schedule. Payment for the above, if any, shall be deemed as included in the items of work as shown on the proposal bid sheet and no additional compensation will be allowed.

FLOW AND ACCEPTANCE OF WATER

It is anticipated that storm, surface or other waters will be encountered at various times and locations during the work herein contemplated. The Contractor, by submitting a bid, acknowledges that he has investigated the risk arising from such waters and has prepared his bid accordingly, and Contractor, by submitting a bid, assumes all of said risk.

REMOVAL OF WATER

The Contractor shall provide and maintain at all times during construction ample means and devices to promptly remove and properly dispose of all water entering the excavations or other parts of the work. No concrete footing or floor shall be laid in water nor shall water be allowed to rise over them until the concrete or mortar has set at least two (2) hours. Water shall not be allowed to rise unequally against any walls for a period of twenty-eight (28) days. Dewatering for the structures and pipelines shall commence when ground water is first encountered, and shall be continuous until such time as water can be allowed to rise in accordance with the above statement. Dewatering shall be accomplished by well points or some other method which will insure a dry hold and preservation of final lines and grade of the bottoms of excavation, all subject to the approval of the City Engineer.

Dewatering methods and disposal of water from dewatering operations shall be the sole responsibility of the Contractor and shall conform to the requirements of the State Regional Water Quality Control Board, the requirements of the National Pollution Discharge Elimination System (NPDES), and the Federal Clean Water Act. Full compensation for dewatering shall be considered as included in the contract prices paid for the related items of work, and no additional compensation will be allowed therefore.

STANDARD SPECIFICATIONS

The Standard Specifications of the City are contained in the 2024 edition of the STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, also known as the “Greenbook”, including all supplements, as written and promulgated by the Joint Cooperative Committee of the Southern California Chapter of the American Public Works Association and the Southern California District of the Associated General Contractors of California, which is incorporated herein by this reference. Copies of these Standard Specifications are available from the publisher:

BNi Building News
Division of BNi Publications, Inc.
990 Park Center Drive, Suite E
Vista, California 92801
(760) 734-1113

The Standard Specifications set forth above will control the general provisions for this Contract except as amended by the Plans, General Specifications, Special Provisions, or other Contract Documents.

The section numbers of the following Special Provisions coincide with those of the said Standard Specifications. Only those sections requiring amendment, elaboration, addition, or that are specifying options are stated in the Special Provisions.

In case of conflict between the Standard Specifications and the General Specifications or Special Provisions, the General Specifications and Special Provisions shall take precedence over and be used in lieu of such conflicting portions of the Standard Specifications.

References in the Special Provisions to "CALTRANS Standard Specifications" shall mean the latest edition of the Standard Specifications of the State of California, Department of Transportation. Copies of these specifications and standard drawings may be obtained from:

California Department of Transportation
Publications Distribution Unit
1900 Royal Oaks Drive
Sacramento, California 95815-3800
Telephone (916) 263-0822
Fax (916) 263-0470

References in the Special Provisions to Standard Plans shall mean the Standard Plans for Public Works Construction, latest edition (written and promulgated by the Public Works Standards, Inc.), and, where applicable and as determined and selected by the City Engineer, those specific standard plans of the City of Laguna Hills, the County of Orange and/or the State Department of Transportation, latest editions.

Where the Plans or Specifications describe portions of the work in general terms, but not in complete detail, it is understood that the item is to be furnished and installed complete and in place and that only the best general practice is to prevail and that only materials and workmanship of the first quality are to be used. Unless otherwise specified, the Contractor shall furnish all labor, materials, tools, equipment and incidentals, and do all the work involved in executing the contract.

WAGE RATES AND LABOR CODE REQUIREMENTS

The City has determined that the work on this Project requires work of labor categories which are subject to the State of California Department of Industrial Relations prevailing rates of per diem wages.

Contractor is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Contractor agrees to fully comply with all applicable federal and state labor laws (including, without limitation, if applicable, the Prevailing Wage Laws). It is agreed by the parties that, in connection with the work provided pursuant to the Agreement, Contractor shall bear all risks of payment or non-payment of prevailing wages under California law, and Contractor hereby agrees to defend, indemnify, and hold the City, its elected officials, officers, employees, and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of the Agreement.

Contractor understands and agrees to comply with the following California Labor Code compliance conditions [Labor Code Sections 1720 et seq., 1813, 1860, 1861, 3700]:

a) The Agreement is subject to the provisions of Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code relating to public works and the awarding public agency ("City") and Contractor agree to be bound by all the provisions thereof as though set forth in full herein.

b) Contractor shall be registered with the Department of Industrial Relations ("DIR") in accordance with California Labor Code Section 1725.5 and has provided proof of registration to City prior to the effective date of this Agreement.

c) Contractor agrees to comply with the provisions of California Labor Code Sections 1771, 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The applicable prevailing wage determination(s) may be obtained at (http://www.dir.ca.gov/OPRUDPreWageDetermination.htm), are on file with City, and are available to any interested party upon request. A copy of said rates shall be posted at each job site during the term of this Agreement.

d) Pursuant to California Labor Code Section 1771.4, Contractor's services are subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractor shall post job site notices as prescribed by DIR regulations and furnish the records specified in California Labor Code Section 1776 directly to the Labor Commissioner in the manner prescribed by California Labor Code Section 1771.4(a)(3) and (c)(2).

e) Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this Agreement, and the Contractor and any subcontractor shall comply with and be governed by the laws of the State of California having to do with working hours set forth in Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code. Contractor shall comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours. Contractor shall, as a penalty to the City, forfeit twenty-five dollars ($25) for each worker employed in the execution of this Agreement by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code. (*See, e.g.,* Cal. Labor Code §1815.)

f) Pursuant to California Labor Code Section 1771.1, Contractor and any subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the California Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the DIR and qualified to perform public work pursuant to California Labor Code Section 1725.2. It is not a violation of California Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by California Business and Professions Code Section 7029.1 or by California Public Contract Code Section 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Contractor shall not perform any work under this Agreement with any subcontractor who is ineligible to perform work on the public works project pursuant to Section 1777.1 or 1777.7 of the California Labor Code.

Apprentices

Section 1777.5 requires the Contractor or Subcontractor employing tradesmen in any apprenticeable occupation to apply to an applicable apprenticeship committee that can supply apprentices to the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate will also fix the ratio of apprentices to journeymen to be used in the performance of the Contract.

The Contractor is required to make contributions to funds established for the administration of apprenticeship programs if he employs registered apprentices or journeymen in any apprenticeable trade and if other Contractors on the public works site are making such contributions.

Information relative to apprenticeship standards, contributions, wage schedules and other requirements may be obtained from the State Director of Industrial Relations or from the Division of Apprenticeship Standards.

RESOLUTION OF CONSTRUCTION CLAIMS

California Public Contract Code (PCC) section 9204 as adopted by Assembly Bill 626 prescribes a process to present, confer, and mediate all construction claims relating to the City's public works project.

"Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or another public improvement of any kind.

"Claim" means a separate demand by the Contractor sent by registered mail or certified mail with return receipt requested for (A) a time extension, including, without limitation for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled, or the amount the payment of which is disputed by the local agency. (PCC 9204(c)(1))

For any claim subject to this article, PCC section 9204 requires the following:

a) The claim shall be submitted by the Contractor in writing, sent by registered mail or certified mail with return receipt requested and must include the documents necessary to substantiate the claim. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims. However, upon receipt of a claim, the City, and the Contractor may, by mutual agreement, extend the time period provided by statute.

b) For claims of all amounts, the City shall respond within 45 days of receipt of the claim, and provide the claimant a written statement identifying which portion of the claim is disputed and which portion of the claim is undisputed. If the City requires approval from the City Council, and the City Council does not meet within the 45-day period to respond, the City shall have up to three days to issue its response following the City Council meeting.

c) For all portions of a claim determined to be undisputed, the City must process payment to the claimant within 60 days of issuing the City's written determination.

d) If the claimant disputes the City's response, or if the City fails to respond within the time limits provided, the claimant may demand an informal conference to meet and confer for settlement of the issues in dispute. The demand must be sent in writing by registered or certified mail, return receipt requested. Upon receipt of a demand, the City must schedule a meet and confer conference within 30 days for settlement of the disputed claim.

e) Within 10 business days following the conclusion of the meet and confer conference, if any portion of the claim remains in dispute, the City shall provide the claimant an addition written statement identifying the portion of the claim that is undisputed and the portion that remains in dispute.

f) For all portions of a claim determined to be undisputed, the City must process payment to the claimant within 60 days of issuing the City's written determination.

g) Any remaining undisputed portion of the claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation in which the parties share the cost evenly. The City and the claimant shall mutually agree on a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree, each party shall select a mediator and those mediators shall jointly select a qualified, neutral third party to mediate the remaining undisputed claim. Each party shall bear the respective costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is

unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside of PCC section 9204.

Unless otherwise agreed to by the City and the Contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under PCC Section 20104.4 to mediate after litigation has been commenced.

PCC Section 9204 does not preclude the City from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program if mediation under this section does not resolve the parties' dispute.

Should the City fail to respond to a claim, or fail to issue written statements as required, the Contractor's claim is deemed denied. A claim denied by reason of the City's failure to respond shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

Amounts not paid in a timely manner as required by PCC 9204 shall bear interest at seven percent per annum.

NOTICE OF THIRD-PARTY CLAIMS

In accordance with PCC Section 9201, the City will provide timely notification to Contractor of the receipt of any third-party claim relating to the Agreement. The Contractor agrees to reimburse the City for its reasonable costs incurred in providing such notice.

CLAYTON ACT AND CARTWRIGHT ACT

In accordance with Section 7103.5 of the Public Contract Code, in entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, the contractor or subcontractor offers and agrees to assign to the awarding body all rights, and interest in and all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the contractor, without further acknowledgment by the parties.

CITY OF LAGUNA HILLS

SPECIAL PROVISIONS
FOR

FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

PART 1 - GENERAL PROVISIONS

SECTION 1 - TERMS, DEFINITIONS, ABBREVIATIONS AND SYMBOLS.

1-2 DEFINITIONS.

City	**City of Laguna Hills**
Board	City Council
Caltrans	California Department of Transportation
County	County of Orange
Engineer	City Engineer
Federal	United States of America
State	State of California
Contractor	Contractor, its workers, employees and agents
Project	FY 26-27 COMMUNITY DEVELOPMENT BLOCK GRANT CURB RAMP IMPROVEMENT PROJECT, CIP 170

1-3 ABBREVIATIONS.

1-3.2 Common Usage. [Add the following to this section]:

MUTCD	Manual of Uniform Traffic Control Devices, including the California Supplement
OCPW	Orange County Public Works Department
SPPWC	Standard Plans for Public Works Construction
SSPWC	Standard Specifications for Public Works Construction
FHWA	Federal Highway Administration
HUD	Housing and Urban Development

1-7 AWARD AND EXECUTION OF CONTRACT.

Within three (3) days of bid opening contractor must submit:

- If a bid bond is submitted with a 10% of Bid designation for the amount as noted in the City Approved Bid Bond form, a revised Bid Bond with numerical dollar values, both in words and with digits, shall be submitted to the City within three (3) days of bid opening.

Within five (5) working days after the date of the Notice of Apparent Low Bidder, the Contractor shall execute and return the following documents to the City:

- All Insurance Requirements set forth herein
- Two (2) Original Signed Contract Agreements

Within ten (10) working days after the date of the Notice of Award, the Contractor shall execute and return the following documents to the City:

- Faithful Performance Bond
- Material and Labor Bond
- Construction Schedule
- Water Pollution Control Plan
- Form W-9
- Construction Materials Submittals

FAILURE TO COMPLY WITH ALL OF THE ABOVE WILL RESULT IN ANNULMENT OF THE AWARD AND FORFEITURE OF THE PROPOSAL GUARANTEE AT THE SOLE DISCRETION OF City.

The Contract Agreement shall not be considered binding upon the City until executed by the authorized City officials. A corporation to which an award is made may be required, before the Contract Agreement is executed by the City, to furnish evidence of its corporate existence, of its right to enter into contracts in the State of California, and that the officers signing the Contract and bonds for the corporation have the authority to do so.

1-7.2 Contract Bonds. [Replace section with the following]:

Both the Faithful Performance Bond and the Material and Labor Bond shall each be for not less than one hundred percent (100%) of the total Contract amount. The Material and Labor Bond shall remain in force until thirty-five (35) days after the date of recordation of the Notice of Completion. The Faithful Performance Bond will be held for one year after the date of recordation of the Notice of Completion.

Prior to the acceptance of any bond, the City shall verify that the surety is an admitted surety in the State of California. If requested by the City, the Contractor shall provide other information specified in the Code of Civil Procedure Section 995.660 to enable the City to verify the sufficiency of the bond.

Should any bond become insufficient, the Contractor shall correct the insufficiency within ten (10) calendar days after receiving notice from the City. The Contractor shall provide the City with evidence of the correction within ten (10) calendar days of said correction. Should any surety at any time be unsatisfactory to the City, written notice will be given to the Contractor to that effect. No further payments shall be deemed due or will be payable under the Contract until Contractor submits an acceptable bond from a surety accepted by the City. Changes to the work or extensions of time made pursuant to the Contract Agreement shall in no way release the Contractor or the surety from its obligations. Notice of such changes or extensions shall be waived by the surety.

SECTION 2 – SCOPE OF WORK.

2-1.1 PLANS AND SPECIFICATIONS [Add the following to this section]:

The Contractor shall maintain a control set of Plans and Specifications on the Project site at all times. All final locations determined in the field, and any deviations from the Plans and Specifications, shall be marked in red on this control set to show the as-constructed conditions. Upon completion of all work, the Contractor shall return the control set to the Engineer. Final payment will not be made until this requirement has been met.

2-2 PERMITS. [Add the following to this section]:

Prior to the start of any work, the Contractor shall take out the applicable City and State permits and make arrangements for City and State inspections. Requests for inspections shall be made to the City at least 24 hours in advance of need. The Contractor and all subcontractors shall each obtain any and all other permits, licenses, inspections, certificates, or authorizations required by any governing body or public utility. Payment for this work shall be included in the bid items of work and no additional compensation will be allowed. The City will waive the usual City encroachment permit fees.

Further, Contractor shall ensure that its employees, agents, contractors, and subcontractors conduct themselves in compliance with such laws and licensure requirements including, without limitation, compliance with laws applicable to nondiscrimination, sexual harassment, and ethical behavior throughout the duration of the Contract. Contractor shall not retain or employ an unlicensed subcontractor to perform work pursuant to this Contract. Contractor shall notify the City immediately and in writing of its employees', agents', contractors' or subcontractors' inability to obtain or maintain, irrespective of the pendency of any appeal, any such licenses, permits, approvals, certificate, waivers, and exemptions that may be required. Such inability shall be cause for termination of this Contract

2-3 RIGHT-OF-WAY. [Add the following to this section]:

The City will acquire all rights of way, easements and rights of entry as required for this Project. The Contractor shall verify that the acquisition(s) is completed prior to beginning any work outside of the public right of way. All cost for re-mobilization, downtime, etc. due to delays in obtaining the required rights of way, easements and rights of entry shall be included in all other items of work and no additional compensation will be allowed. In the event the required easements have not yet been acquired by the City, the Contractor shall conduct its operation so as to confine its work to the limits of the existing right-of-way.

2-4 COOPERATION AND COLLATERAL WORK. [Add the following]:

The Contractor is advised as to the possibility of other construction projects within the proposed construction zone by the City of Laguna Hills, other governing agencies or private enterprises. In the event of such projects, the Contractor shall coordinate with the applicable parties as to the extent of any time required to complete their work and shall schedule his work and conduct his operations so as to permit access and time as required for the concurrent work. The Contractor shall immediately notify the Engineer in the event of a delay in scheduling caused solely by this concurrent work. Payment for the above, if any, shall be deemed as included in various items of work, including any delay impacts, as shown on the proposal bid sheet and no additional compensation will be allowed.

2-8 EXTRA WORK.

2-8.2 Payment.

2-8.3 Markup.

(a) **Work by Contractor.** [Add the following to this section]: The following percentages shall be the maximum added to the Contractor's costs and shall constitute the markup for all overhead and profits:

1) Labor	20%
2) Materials	15%

3) Equipment Rental 15%

4) Other Items and Expenditures 15%

To the sum of the costs and markups provided for in this subsection, 1 percent shall be added as compensation for bonding.

(b) **Work by Subcontractor.** [Add the following to this section]: When all or any part of the extra work is performed by a Subcontractor, the markup established in 3-3.2.3(a) shall be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first $5,000 of the subcontracted portion of the extra work and a markup of five (5) percent on work added in excess of $5,000 of the subcontracted portion of the extra work may be added by the Contractor.

The markups mentioned hereinafter shall include, but are not limited to, all costs for the services of superintendents, project managers, timekeepers and other personnel not working directly on the change order and pickup or yard trucks used by the above personnel. These costs shall be reported as labor or equipment elsewhere except when actually performing work directly on the change order and then shall only be reported at the labor classification of the work performed.

The costs of rental equipment shall not exceed the equipment rental rates in the surcharge and Equipment Rental Rates, as published by the State of California Business, Transportation, and Housing Agency and the California Department of Transportation, Division of Construction for the current fiscal year.

2-10 DISPUTED WORK. [Add the following to this section]:

If the Contractor and the City are unable to reach an agreement on disputed work, the City may direct the Contractor to proceed as directed. The City shall have the option, at its own discretion, to pay for said work through unilateral change order executed by the City after conducting its own analysis of the reasonable costs thereof. Although not to be construed as proceeding under extra work provisions in Section 3-3, the Contractor shall keep and furnish records of disputed work in accordance with Section 3-3.

In any case where the Contractor believes extra compensation is due the Contractor for work or materials not clearly covered in the Contract, or not ordered by the City as “extra work”, the Contractor shall notify the City in writing of the Contractor's intention to make claim for such extra compensation before the Contractor begins the work on which Contractor bases the claim. If such notification is not given, or the City is not afforded proper supporting documentation by the Contractor for keeping strict account of actual cost, then the Contractor shall be deemed to have waived the claims for such extra compensation. Such notice by the Contractor, and the fact that the City has kept account of the cost as aforesaid, shall not in any way be construed as proving the validity of the claim. The validity of the claim must be determined by the City. If the City determines that the claim is well founded, it shall be allowed and paid for as “extra work”; if the City determines that the claim is not well founded, it shall be disallowed and not paid.

SECTION 3 – CONTROL OF THE WORK.

3-10 SURVEYING.

3-10.3 Survey Services. [Add sub-section]:

The Contractor will provide the surveying and the construction staking, if required for the construction of this Project.

The Contractor shall establish benchmarks, elevations, lines and grades and any other necessary controls which are not established by the Engineer and which are necessary to complete the work.

SECTION 4 - CONTROL OF MATERIALS

4-3 INSPECTIONS.

4-3.1 General. [Add the following to this section]:

The City will pay for inspection and materials testing. The Contractor shall pay for retests and re-inspections due to failure to meet Specifications. If the Contractor elects to work under this Contract more than 8 hours/day or more than 40 hours/week, Saturday, Sunday, or City holidays, it shall arrange with the Engineer for the required inspection service and pay the Special Inspection Fees as provided by the Material Inspector and City Engineer. When Special Inspection is required, the Contractor shall notify the City and pay inspection fees 24 hours in advance. A 24 hour advance notice will be given during working hours, exclusive of Saturday, Sunday or City holidays for the purpose of permitting the Engineer to make necessary assignments of his representatives. If the Contractor is directed by the City to work under this Contract more than 8 hours/day or more than 40 hours/week, the Special Inspection Fee requirements will be waived.

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-1 LAWS AND REGULATIONS. [Add the following to this section]:

The Contractor, and all subcontractors, suppliers and vendors, shall comply with all City, State, and Federal orders regarding affirmative action to ensure equal employment opportunities and fair employment practices. Failure to file any report due under said orders will result in suspension of periodic progress payments.

The Contractor shall ensure unlimited access to the job site for all equal employment opportunity compliance officers.

5-3 LABOR.

5-3.3 Payroll Records. [Add the following to this section]:

Contractor shall comply with the provisions of California Labor Code Section 1776 which, among other things, require Contractor and each subcontractor to (1) keep accurate payroll records, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform the City of the location of the records. The Contractor is responsible for compliance with Section 1776 by itself and all of its subcontractors. Verified payroll records shall be submitted to the City by the tenth day of each month. Progress payments will be withheld pending receipt of any outstanding reports.

5-4 INSURANCE.

5-4.5 Compliance with Insurance Requirements. [Add the following to this section]:

Contractor shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to City, all insurance required under this section. Contractor shall not commence any work or services under this Agreement unless and until it has provided evidence satisfactory to City that it has secured all insurance required under this section. If Contractor's existing insurance policies do not meet the insurance requirements set forth herein, Contractor agrees to amend, supplement or endorse the policies to do so.

5-4.5.1 Types of Insurance Required. [Add the following to this section]:

As a condition precedent to the effectiveness of this Agreement, and without limiting the indemnity provisions set forth in this Agreement, Contractor shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

A. Commercial General Liability Insurance. Contractor shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Commercial General Liability Insurance (Insurance Services Office form CG 00 01) written on an occurrence basis with limits of at least two million dollars ($2,000,000.00) per occurrence, four million dollars ($4,000,000.00) in the general aggregate, and four million dollars ($4,000,000.00) for completed operations aggregate. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) contain any other exclusion contrary to the Agreement.

B. Automobile Liability Insurance. Contractor shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile Liability Insurance (Insurance Services Office form CA 001) written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) combined limit for each occurrence covering bodily injury and property damage. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles.

C. Workers' Compensation Insurance. Contractor shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance in at least the minimum statutory amounts, and in compliance with all other statutory requirements, as required by the State of California. Contractor agrees to waive and obtain endorsements from its workers' compensation insurer waiving all subrogation rights under its workers' compensation insurance policy against the City, its officials, officers, employees, agents and volunteers, and to require each of its subcontractors, if any, to do likewise under their workers' compensation insurance policies. Contractor shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Employer's Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) per accident for bodily injury or disease.

5-4.5.2 Acceptability of Insurers. [Add the following to this section]:

Insurance required by this section shall be issued by a licensed company authorized to transact business in the state by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of California List of Approved Surplus Line Insurers (LASLI), by the latest edition of A.M. Best's Key Rating Guide, except that the City will accept workers' compensation insurance from the State Compensation Fund. In the event the City determines that the work or services to be performed under this Agreement creates an increased

or decreased risk of loss to the City, the Contractor agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt of written notice from the City. Contractor shall immediately substitute any insurer whose A.M. Best rating drops below the levels specified herein.

5-4.5.3 Insurance Endorsements. [Add the following to this section]:

Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. Required insurance policies shall contain the following provisions, or Contractor shall provide endorsements on forms approved by the City to add the following provisions to the insurance policies:

A. The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to provide the following:

(1) Additional Insured: The City, its officials, officers, employees, agents and volunteers, shall be additional insureds with regard to liability and defense of suits or claims arising out of the performance of the Agreement; and

(2) Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict coverage to "sole" liability of Contractor, or (4) contain any other exclusions contrary to the Agreement; and, the coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

(3) Notice: The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to state that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice by First Class U.S. Mail, postage-prepaid, has been provided to the City. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Contractor's failure to pay the insurance premium, the notice provided to City shall be by ten (10) days prior written notice.

B. For all policies of Commercial General Liability Insurance, Contractor shall provide endorsements for completed operations to effectuate this requirement.

5-4.5.4 Deductibles and Self-Insured Retentions.

Any deductible or self-insured retention must be approved in writing by the City in advance and shall protect the City, its officials, officers, employees, agents and volunteers, in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

5-4.5.6 Primary and Non-Contributing Insurance.

All policies of Commercial General Liability Insurance and Automobile Liability Insurance shall be primary and any other insurance, deductible, or self-insurance maintained by the City, its officials, officers, employees, agents or volunteers, shall not contribute with this primary insurance. Policies shall contain or be endorsed to contain such provisions.

5-4.5.7 Waiver of Subrogation.

All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the City, its officials, officers, employees, agents and volunteers, or shall specifically allow Contractor or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Contractor hereby agrees to waive its own right of recovery against the City, its officials, officers, employees, agents and volunteers, and Contractor hereby agrees to require similar written express waivers and insurance clauses from each of its subcontractors.

5-4.5.8 Evidence of Coverage.

Concurrently with the execution of the Agreement, Contractor shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required by this section. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the City. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Contractor shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the City evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies. Contractor shall promptly furnish, at City's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents City requires to verify coverage.

5-4.5.9 Requirements Not Limiting.

Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Contractor may be held responsible for payments of damages to persons or property.

5-4.5.10 Enforcement of Agreement (Non-Estoppel).

Contractor acknowledges and agrees that actual or alleged failure on the part of the City to inform Contractor of any non-compliance with any of the insurance requirements set forth in this section imposes no additional obligation on the City nor does it waive any rights hereunder.

5-4.5.11 Insurance for Subcontractors.

Contractor shall either: (1) include all subcontractors engaged in any work or services for Contractor relating to this Agreement as additional named insureds under the Contractor's insurance policies; or (2) Contractor shall be responsible for causing its subcontractors to procure and maintain the appropriate insurance in compliance with the terms of the insurance requirements set forth in this section, including adding the City, its officials, officers, employees, agents and volunteers, as additional insureds to their respective policies. All policies of Commercial General Liability Insurance provided by Contractor's subcontractors performing any work or services related to this Agreement shall be endorsed to name the City, its officials, officers, employees, agents and volunteers, as additional insureds. Contractor shall not allow any subcontractor to commence any work or services relating to this Agreement unless and until it has provided evidence satisfactory to City that the subcontractor has secured all insurance required under this section.

5-4.5.12 Other Insurance Requirements.

The following terms and conditions shall apply to the insurance policies required of Contractor pursuant to this Agreement:

A. Contractor shall provide immediate written notice to City if (1) any of the insurance policies required herein are terminated, cancelled or suspended, (2) the limits of any of the insurance coverages required herein are reduced, or (3) the deductible or self-insured retention is increased.

B. All insurance coverage and limits provided by Contractor and available or applicable to this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations shall limit the application of such insurance coverage.

C. None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the City and approved in writing.

D. Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay commencement of the Project. It is Contractor's obligation to ensure timely compliance with all insurance submittal requirements as provided herein.

E. Contractor agrees to ensure that subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Contractor, provide the same minimum insurance coverage required of Contractor. Contractor agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Contractor agrees that upon request, all agreements with subcontractors and others engaged in the Project will be submitted to the City for review.

F. Contractor agrees to provide immediate written notice to City of any claim, demand or loss against Contractor arising out of the work or services performed under this Agreement and for any other claim, demand or loss which may reduce the insurance available to pay claims, demands or losses arising out of this Agreement.

5-4.5.13 Contractor's Liability; City Not Liable; Claims Resolution

A. Contractor's liability. The Contractor shall be responsible for any loss or damage that may occur to:

- The work or any part thereof;
- Any of the materials or other things used or employed in performing the work;
- Any injury to any person or persons, either workers or the public;
- Any damage to property resulting from any cause which might have been prevented by the Contractor, including defects or obstructions at any time before completion of the work and its final acceptance.

B. City ordered precautions. If, in the opinion of the City Engineer, the precautions taken by Contractor are not safe or adequate at any time during the term of the Contract, the City Engineer may order the Contractor to take further precautions, and if the Contactor shall fail to do so, the City Engineer may order the work done by others and charge the Contractor for the cost thereof, such cost to be deducted from any moneys due or becoming due the Contractor. Failure of the City Engineer to order such additional precautions, however, shall not relieve the Contractor from his full responsibility for public safety.

C. City not liable. The City shall not be answerable or accountable in any manner, for any loss or damage that may occur to any of the following from any cause which might have been prevented by the Contractor:

- The work or any part thereof;
- Any of the materials or other things used or employed in performing the work;
- Any injury to any person or persons, either workers or the public;
- Any damage to property.

D. Claims Resolution. From time to time during the period of this contract, the City and/or the Contractor may be served with third-party claims, as a result of alleged conduct by Contractor. The following procedures shall be followed by City and Contractor:

For claims received by Contractor:

(1) Contractor shall provide City on a monthly basis details regarding any claim for damages to persons or property, including, date claim made, date of alleged damages, type of damages, alleged cause of damages and, as claims are resolved, details regarding Contractor's denial or payment of such claim and the reasons for denial or payment.

(2) Contractor shall resolve or deny any claim received within thirty (30) days of receipt. If Contractor is unable to resolve a claim within the thirty (30) days set forth above, it shall, prior to the expiration of the thirty (30) days request and extension in writing from the City.

For claims received by City:

(1) City shall process any claims received pursuant to Chapter 3-12 (Claims Against the City) of the Laguna Hills Municipal Code.

(2) If after investigation of the claim, the City determines the Contractor is liable under this Contract, City shall tender the claim to the Contractor for proper handling and resolution.

E. Retention of Claimed Damages by City. The City may retain so much of the money due the Contractor under and by virtue of the Contract as shall be considered necessary by the City until disposition has been made of such suits or claims for damages aforesaid.

5-7 SAFETY.

5-7.1.3 Traffic and Access. [Add the following to section]:

When entering or leaving roadways carrying public traffic, the Contractor's equipment, whether empty or loaded, shall in all cases yield to public traffic.

The Contractor shall notify in writing all affected property owners of the proposed construction schedule a minimum of forty-eight (48) hours, but not more than seventy-two (72) hours, in advance of any limitation or closure of access to their property. Form of said notice shall be as approved by the Engineer and shall contain the date and time of the closure. In the event of delay, whether beyond the control of the Contractor or not, the Contractor shall notify all affected property owners as to the extent of the delay and his revised schedule. In the event of delay over 72 hours, the Contractor shall re-notify the property owners as described above. Payment for notification and coordination as per Section 7-10 as modified herein shall be included in the compensation paid for the various items of work and no additional compensation will be allowed. The "Notices" will be furnished by the Contractor.

Pedestrian access shall be maintained at all times during construction and shall be in accordance with the Americans With Disabilities Act.

5.7.2 Safety Orders

5.7.2.1 General. [Add the following to this section]:

The Contractor shall comply with the provisions of any City ordinances or regulations regarding requirements for the protection of excavations and the nature of such protection.

In accordance with Section 6500 of the Labor Code, the Contractor is required to obtain a permit from the Division of Industrial Safety for any trench or excavation which if five feet or more in depth and into which a person is required to descent.

In accordance with Section 6705 of the Labor Code, prior to any excavation involving an expenditure in excess of twenty-five thousand dollars ($25,000) for the excavation of any trench or trenches five (5) feet or more in depth, Contractor shall submit to Engineer a written detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches.

Prior to beginning of excavations requiring shoring, the Contractor shall designate in writing to the Engineer someone whose responsibility it is to supervise the Project safety measures and someone whose responsibility it is to supervise the installation and removal of sheeting, shoring and bracing.

In addition to shoring the excavations in accordance with the minimum requirements of Industrial Safety Orders, it shall be the Contractor's responsibility to provide any and all additional shoring

required to support the sides of the excavation against the effects of load which may exceed those desired by using the criteria set forth in the Industrial Safety Orders. The Contractor shall be solely responsible for any damages which may result from his failure to provide adequate shoring of the excavation under any and all of the conditions of loading which may exist or which may arise during construction of the Project.

In accordance with Section 7104 of the Public Contract Code, any public works contract which involves excavations that extend deeper than four feet below the surface shall provide as follows:

(a) That the Contractor shall promptly, and before the following conditions are disturbed, notify the City, in writing, of any:

(1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, which is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.

(2) Subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids.

(3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally as inherent in work of the character provided for in the contract.

(b) The local public entity shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the work shall issue a change order under the procedures described in the contract.

(c) That, in the event that a dispute arises between City and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. The Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

5-7.2.2.1 Storage of Equipment and Materials in Public Streets. [Add the following section]:

The Contractor is required to, at his own expense, maintain and operate a work and storage area outside of the public right-of-way. In such case the Contractor shall submit to City written authorization from the owners of the subject property prior to occupation. Occupation of site without written authorization shall be grounds for immediate suspension of work. Location of site to be approved by City. Condition and operation of yard shall conform to these specifications. The Contractor shall assume full responsibility for all damage to the site resulting from his operations and shall repair and/or replace same, at his own expense, to the satisfaction of the owner of the subject property. The Contractor shall vacate site and return it to pre-Project condition within five (5) working days following application for Notice of Completion. The Contractor shall obtain a written release from the property owner accepting the condition of the vacated site and releasing the Contractor from any further clean-up or restoration work and shall submit a copy of such release to City. The Notice of Completion will not be issued until said release is submitted.

5-7.2.2.2 Street Closures, Detours, Barricades. [Add the following section]:

The Contractor shall perform lane closures and all traffic control operations in accordance with the applicable details in the California MUTCD, latest edition. No work shall be performed until the required lane closure traffic control has been installed and approved by the City. If the City does not feel that the Contractor is properly and safely implementing the MUTCD details, then work shall be stopped until such time as the Contractor can successfully remedy the deficiencies.

Portable delineators (traffic cones are not allowed), which conform to the California MUTCD, latest edition, shall be spaced as necessary for proper delineation of the travel way. The spacing between delineators shall not exceed 25 feet. The minimum lane transitions shall be a 50 to 1 taper. Double base delineators will be required.

The Contractor shall schedule the order of his work such that no travel lanes are closed before 8:30 A.M. or after 4:30 P.M. daily. A minimum of one through travel lane and all turning lanes in all directions with flaggers will be required at all times. The same number of travel lanes currently in use shall be opened to traffic during non-working hours. No street closures shall be made unless indicated on the approved traffic control plans. The traffic signal and traffic signal detectors shall remain operational continuously during the construction, and traffic loops that require replacement shall be disrupted no more than 5 calendar days before their replacement. **No weekend work (day or night) will be allowed, unless otherwise specified on the Plans or as approved by the City.**

The Contractor shall provide, at his expense, advanced warning signs advising the public of the impending major construction project and his proposed schedule. Said signs shall be posted at all major approaches to the construction zones a minimum of one week prior to the start of construction.

The Contractor shall designate at least one worker solely for the provision and maintenance of traffic control.

The Contractor shall be responsible for providing temporary access to all intersecting streets and driveways throughout the workday and at the end of each workday. A minimum of one access point shall be maintained for each commercial business during their normal business hours. **Pedestrian access shall be maintained at all times and temporary and permanent pedestrian access shall be in accordance with the Americans with Disabilities Act.**

The Contractor shall provide and maintain all other signs, barricades, pedestals, flashers, delineators and other necessary facilities for the protection of the public within the limits of the construction area and shall be maintained in a new or like new condition, free of damage and graffiti.

If the traffic delineators are damaged, displaced or not in an upright position, from any cause, said delineators shall immediately be replaced or restored to their original location, in an upright position, by the Contractor.

The Contractor shall furnish competent flagmen to give adequate warning to traffic or to the public of any dangerous conditions to be encountered. Flagmen, while on duty and assigned to give warnings to the public that the highway is under construction and of any dangerous conditions to be encountered as a result thereof, shall perform their duties and shall be provided with the necessary equipment in accordance with the California MUTCD. The equipment shall be furnished and kept clean and in good repair by the Contractor, at Contractor's expense.

Should the Contractor appear to be neglectful or negligent in furnishing warning and protective measures as provided, the Engineer may direct attention to the existence of a hazard and the

necessary warning and protective measures shall be furnished and installed by the Contractor at its own expense. Should the Engineer point out the inadequacy of warning and protective measures, such action on the part of the Engineer shall not relieve the Contractor from responsibility for public safety or abrogate his obligation to furnish and pay for these devices.

Where on-street parking is not allowed, the Contractor shall be required to post "Temporary No Parking" signs 48 hours prior to start of work. The Contractor will furnish the notification to property owners as mentioned in Section 7-10.1 and the “Temporary No Parking” signs.

No construction activities will be allowed on streets that are receiving trash pick-up services on the same day. A copy of the CR&R Waste Collection Map is available on the City’s website. The Contractor shall coordinate with the trash hauler in preparing the construction schedule. The Contractor shall provide a map showing the schedule of the work, which should coordinate with the trash and mail schedule, to the City at the preconstruction meeting.

Contractor shall notify the following entities at least forty-eight (48) hours in advance of any street closure or restriction to access.

1. Fire Department: Orange County Fire Authority, (714) 573-6000
2. Police Department: Orange County Sheriff’s Department, (714) 647-7000
3. School Districts: Saddleback Valley Unified: (949) 586-1234, Capistrano Unified: (949) 489-7000
4. Trash Collection: CR&R, (877) 728-0446
5. Street Sweeping: Sweeping Corp of America, (949) 413-0165
6. Transit Operations: Orange County Transportation Authority (OCTA), (714) 560-6282
7. Fire Department: Station 22, (949) 770-6016
8. Mail Service: US Postal Service

The City Engineer may add additional entities to this list at his discretion.

All existing stop signs, street name signs and regulatory signs shall be maintained in visible locations during construction. Where construction detours and signing conflict with existing signing, the Contractor shall cover existing signs in a manner approved by the City. The Contractor shall also provide temporary traffic restriping, or reflective white or yellow plastic tabs, at the conclusion of each working day, if not sooner, as directed by the City, for any centerline, painted median or lane line that is obliterated by construction.

The Contractor shall provide temporary delineation as directed/approved. Temporary delineation shall include sandblasting of conflicting markings; installation and removal of temporary centerlines or lane lines, detour signing, barricading; and replacement of traffic lines and markings in their proper locations upon termination of the detour. Conflicting existing and temporary striping, as required for traffic control during construction, shall be removed by the Contractor by using wet nozzle sandblasting methods with immediate clean up of residues.

Blacking-out of the pavement striping will not be allowed. Temporary reflective striping tape or reflective plastic tabs may be used, except that it shall not be applied to final asphalt surfaces. Said tape or tabs shall be removed from temporary surfaces prior to placement of additional asphalt.

The Contractor shall also be responsible for notifying adjacent businesses, residents (of affected residential tracts), and entities listed above, in writing seven (7) days in advance of any work that involves limited access. Said notice shall be reviewed and approved by the City in advance of its circulation. Contractor shall provide verification to the City that proper circulation of the notice has been accomplished.

The Contractor shall maintain a 24-hour emergency service to remove, install, relocate, and maintain warning devices. No later than 10 days after the award of the Contract, the Contractor shall furnish to the City, names, and telephone numbers of three persons responsible for this emergency service. In the event these persons do not promptly respond when notified, or it becomes necessary to call other forces to accomplish emergency service, the Contractor will be responsible for any cost incurred.

Prior to the start of each work day, the Contractor shall perform all necessary work incidental to and commensurate with the proper signing, detouring, barricading, etc., heretofore and hereinafter specified that is required for that particular day's schedule of operations. No construction shall be permitted until such signing and detouring operations have been completed and approved by the City.

Personal vehicles of the Contractor's employees shall only be parked in an allowed area as delineated by the City, and shall not be parked on the traveled way at any time, including any section closed to public traffic.

Flashing Arrow Signs:

Each flashing arrow sign shall be solar powered, mounted on a truck or on a trailer and shall be capable of operating while the vehicle is moving or as directed by the City.

Signs mounted on the cab of a truck shall be mounted to provide a minimum of 7 feet between the bottom of the sign and the roadway. Signs mounted on a trailer, or on anything other than the cab of a truck, shall be mounted to provide a minimum of 8 feet between the bottom of the sign and the roadway.

The total weight of trailer mounted flashing arrow sign including the trailer, sign, power source and other components shall not exceed 1,500 pounds and the height of the level trailer bed shall be no higher than 21 inches above the roadway. The trailer shall be equipped with a minimum of 3 leveling jacks.

Alternative types of lamps may be used in flashing arrow signs if visibility is equal to the specified lamps. Each type AX flashing arrow sign shall be a minimum of 2 feet high and 4 feet wide, and shall be finished with flat black enamel. A minimum of 13 No.4414AX 12-volt, yellow or amber lamps shall be installed in the panel. The lamp configuration shall be for 3 arrowheads or an arrow shaft with 2 arrowheads, one pointing in each direction on the face of the sign with a minimum of 5 lamps forming each arrowhead. Each lamp shall be provided with a visor.

The lamp shall be activated by a switch on a control panel and shall be controlled by electronic circuitry to provide a minimum of 4 selectable modes of operation as follows:

1. Pass Left Mode, - Sequencing of lighted arrowheads or sequencing the lamps forming the arrow shaft and arrowhead to the left or a flashing left arrow with the lamps in the arrow shaft and arrowhead flashing on and off simultaneously.

2. Pass Right Mode, - Sequencing of lighted arrowheads or sequencing the lamps forming the arrow shaft and arrowhead to the right or a flashing right arrow with the lamps in the arrow shaft and arrowhead flashing on and off simultaneously.

3. Simultaneous Mode, - Either the outside arrowheads pointing in opposite directions are continuously illuminated, except for the center lamp forming each arrowhead, while the arrow shaft lamps flash on and off simultaneously or the outside arrowhead pointing in opposite directions and the arrow shaft lamps all flash simultaneously to indicate passing on either side.

4. Travel Mode, - Travel or caution mode shall flash in a manner not resembling any other mode.

Lane Requirements:

There shall be a minimum of 5’ clearance from open excavations and two feet from other obstructions (curbs, k-rail, etc). All lanes shall be open to traffic during non-working hours.

The Contractor shall be required to use flashing arrow signs at all lane closures to direct travel and appropriate detour signing to control traffic through and/or around the construction area.

The Contractor will not be allowed to excavate a larger quantity of area (“digouts”) than can successfully be repaved in the same working day. No incomplete paving work will be allowed to remain during the hours designated as requiring “all” lanes open to traffic, except in specific instances in which a minor amount of area can safely be covered by approved means with non-skid steel plates, capable of carrying H-20 wheel loading, or patched with temporary AC to bring the excavation up to grade. Said temporary AC shall be ground down to permanent AC sub-grades and approved by the City prior to placement of any additional permanent AC.

Excavations of less than 4’ in width may be covered with non-skid steel plates capable of carrying H-20 wheel loading over the span of the excavation. Plates shall have a minimum width equal to the excavation width plus 24 inches and be securely fastened to the street surface. Asphalt fillers, a minimum of 6 inches wide shall be placed around the perimeter of the plate. When traffic is transferred to any type of temporary pavement surface good drivability of the surfaces shall be maintained and shall be subject to approval by the City prior to allowing traffic to be transferred upon it.

The Contractor shall also ensure that access to all side streets and driveways are maintained at all times. Work in front of or within driveways and side streets shall be conducted in a manner where at no time is access to property denied. Portions of driveway approaches that are not ready to be opened for traffic at the end of the workday shall be steel plated per the requirements noted in the previous paragraph. The Contractor shall use temporary AC surfacing at his own expense for traffic control as required to maintain traffic in a safe non-disruptive manner.

SECTION 6 - PROSECUTION AND PROGRESS OF WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK.

6-1.0 General. [Add the following section]:

The Contractor's proposed Construction Schedule shall be submitted to the Engineer within ten (10) working days after the date of the Notice of Award of Contract. The schedule shall be supported by written statements from each supplier of materials or equipment indicating that all orders have been placed and acknowledged, and setting forth the dates that each item will be

delivered. The schedule shall establish the order of work which minimizes disruption of existing travel lanes.

Prior to issuing the Notice to Proceed, the Engineer will schedule a preconstruction meeting with the respective Contractor to review the proposed Construction Schedule and delivery dates, arrange the utility coordination, discuss construction methods, and clarify inspection procedures.

The Contractor shall submit periodic Progress Reports to the Engineer by the tenth day of each month. The report shall include an updated Construction Schedule. Any deviations from the original schedule shall be explained. Liquidated damages will be assessed pending receipt of any outstanding reports, as set forth in Section 6-9.1 below.

6-1.3 Construction Schedule (Critical Path Method) [Add the following section]:

The Contractor shall submit to the Engineer practicable critical path method (CPM) progress schedules in conformance with these Special Provisions. Whenever the term “schedule” is used in this section it shall mean CPM progress schedule illustrated by the Gantt Bar method. The schedule shall be prepared by qualified and experienced scheduling staff.

Schedules shall show the order in which the Contractor proposes to carry out the work with logical links between time-scaled work activities, and calculations made using the critical path method to determine the controlling operation or operations. The Contractor is responsible for assuring that all activity sequences are logical and that each schedule shows a coordinated plan for complete performance of the work.

The Contractor shall produce schedules using computer software and shall furnish compatible software for the Engineer’s exclusive possession and use. The Contractor shall furnish network diagrams, narrative reports, tabular reports and schedule data as parts of each schedule submittal.

The number of activities shall be sufficient to assure adequate planning of the Project, to permit monitoring and evaluation of progress, and to do an analysis of time impacts.

Schedule activities shall include the following:

A. A clear legible description.

B. Start and finish dates.

C. A duration of not less than one working day, except for event activities, and not more than 20 working days, unless otherwise authorized by the Engineer.

D. At least one predecessor and one successor activity, except for Project start and finish milestones.

E. Required constraints.

F. Codes for responsibility, stage, work shifts, location and contract pay item numbers.

The Contractor may show a scheduled completion date that is later than the Contract completion date on an update schedule, after the baseline schedule is accepted. The Contractor shall provide an explanation for a late scheduled completion date in the narrative report that is included with the schedule.

The Engineer's review and acceptance of schedules shall not waive any Contract requirements and shall not relieve the Contractor of any obligation thereunder or responsibility for submitting complete and accurate information. Schedules that are rejected shall be correct by the Contract and resubmitted to the Engineer within five (5) working days of notification by the Engineer, at which time a new review period of one week will begin.

Errors or omissions on schedules shall not relieve the contractor from finishing all work within the time limit specified for completion of the Contract. If, after, a schedule has been accepted by the Engineer, either the Contractor or the Engineer discovers that any aspect of the schedule has an error or omission, it shall be corrected by the Contractor on the next schedule.

Payment for the Project schedule and revisions/updates to the schedule shall be made under other items of work and no additional payment shall be made therefore.

6-1.4 Acceleration. [Add the following section]:

The City reserves the right to accelerate the work of the Contract at any time during its performance. In the event the City directs acceleration, such directive will be given to the Contractor in writing. The Contractor shall keep cost and other Project records related to the acceleration directive separately from the normal Project cost records and shall provide a written record of acceleration costs to the City on a daily basis.

In the event the Contractor believes that some action or inaction on the part of the City constitutes an acceleration directive, the Contractor shall immediately notify the City in writing that the Contractor considers the actions or inactions an acceleration directive. The Contractor shall not accelerate their work efforts until the City responds to the written notification. If acceleration is then directed or required by the City, all cost records referred to in the previous paragraph shall be maintained by the Contractor and provided to the City on a daily basis.

In order to recover additional costs due to acceleration, the Contractor must document that additional expenses were incurred and paid by the Contractor. Labor costs recoverable will only be overtime or shift premium costs or the cost of additional laborers brought to the site to accomplish the accelerated work effort. Equipment costs recoverable will only be the cost of added equipment mobilized to the site to accomplish the accelerated work effort.

6-2 PROSECUTION OF THE WORK [Replace the first sentence the following:]

To minimize public inconvenience and possible hazard and to restore street and other work areas to their original condition and state of usefulness as soon as practicable, the Contractor shall diligent prosecute the Work to completion and ensure that the construction of ARHM or FRAC overlay for any given portion of the roadway is completed no later than two (2) working days following the cold-milling of the same portion of roadway.

[Add to this section]

Construction Phasing/Scheduling Limitations:

- Construction Phasing:
    - Contractor shall submit a construction phasing plan to the City for review and approval prior to starting work. Phasing plans shall be prepared in accordance with the phasing requirements and the conditions included in the project specifications.

- Traffic Control:
    - Traffic Control setup at each location shall confirm to CA-MUTCD (Latest Edition) requirements and typical applications and shall be maintained on a daily basis by the contractor.
- Resident Access:
    - Contractor shall ensure that access is maintained in the morning and open by the end of each working day for each resident within the project limits. Working hours, as stated in Section 6-3, shall be maintained, and the contractor's operations shall be phased in such a manner to allow full access to residents during non-working hours.
- Localized Concrete Improvements (Curb/Gutter, Ramps, etc.):
    - All concrete improvements shall be completed prior to the start of any pavement grinding or reconstruction activities.
    - Contractor's operations shall be scheduled in such a way that no ramp or portion of sidewalk is left excavated, demolished, or formed over the weekend.
    - It shall be the contractor's responsibility to properly barricade the work area during non-working hours and to set up appropriate pedestrian detour/signage until the work is completed
    - Driveway access to each property shall be maintained at the end of each working day. Contractor shall ramp or plate the driveways to maintain access.

6-3 TIME OF COMPLETION.

6-3.1 General. [Add the following to this section]:

The time for completion shall be as set forth in the General Specifications.

"The Contractor shall complete all work under the Contract within thirty (30) consecutive working days after the date on the Notice to Proceed.

The Contractor shall ensure the availability of all material prior to the start of work. Unavailability of material will not be sufficient reason to grant the Contractor an extension of time for 100 percent completion of work."

Working Days. "Any City holiday, defined as January 1st, the third Monday in January (Martin Luther King Day), the third Monday in February (President's Day), the last Monday in May (Memorial Day), July 4th, the first Monday in September (Labor Day), November 11th (Veterans Day), the fourth Thursday and Friday in November (Thanksgiving and Friday after), December 24th through December 31st."

Working Hours. Normal working hours are limited to 8:30 a.m. to 4:30 p.m., Monday through Friday.

The Contractor, subcontractors, suppliers, etc., shall not generate any noise at the work site, storage sites, staging areas, etc., before or after the normal working hours prescribed above.

Should the Contractor elect to work outside normal working hours, Contractor must first obtain special permission from the Engineer. The request may be for 4:30 p.m. to 6:30 p.m. on weekdays or 8:30 a.m. to 4:30 p.m. on Saturday only. A request for working during any of these hours must be made at least 72 hours in advance of the desired time period. A separate request must be made for each work shift. The Engineer reserves the right to deny any or all such requests. Additionally, the Contractor shall pay for supplemental inspection costs of $205.00 per hour when such time periods are approved.

6-3.2 Contract Time Accounting. [Add the following to this section]:

The Contractor's activities shall be confined to the hours between 8:30 AM and 4:30 PM, Monday through Friday, excluding holidays, unless otherwise specified. Work shall be prohibited any time on Saturday, Sunday or Federal Holidays except as provided herein. Deviation from these hours will not be permitted without the prior consent of the Engineer, except in emergencies involving immediate hazard to persons or property.

In the event of either a requested or emergency deviation, inspection service fees will be charged against the Contractor. The service fees will be calculated at overtime rates (premium time) including benefits, overhead, and travel time and are established based on the City's current fee schedule or professional services agreement for construction inspection services. The service fees will be deducted from any amounts due the Contractor.

Construction activities during City Special Events may be restricted by City to exclude all or part of the work on primary arterial or access roads to the Special Events as determined by Engineer. The Contractor shall be responsible to ascertain the exact times of any such events within his proposed construction schedule which may restrict his operation and shall adjust his schedule accordingly. The construction restrictions shall only be for the actual days the events occur. All costs for maintaining traffic control, protection of work site and re-mobilization shall be deemed as included in the lump sum contract for their respective items and no additional compensation will be allowed.

6-3.3 Completion, Acceptance, and Warranty. [Add the following section]:

Work will be deemed completed on the same date when the Notice of Completion is recorded with the County of Orange.

6-4 DELAYS AND EXTENSIONS OF TIME.

6-4.1 General. [Add the following to the end of this section:]

No time extension shall be granted unless the claimed delay meets each and every of the following conditions:

(a) The delay was caused by unforeseen events and was beyond the control of Contractor and its subcontractors and material suppliers;

(b) The delay was caused by events of which Contractor was not advised at or before the time of bidding;

(c) The delay impacted and delayed (i) the controlling items of Work (i.e., the as-built critical path, as determined from the as-planned schedule and the actual progress of the Work), or (ii) the Completion of the whole Work within the Contract time;

(d) The delay was not caused by Contractor or its subcontractors or suppliers, including but not limited to their breaches of contract or the standard of care;

(e) The delay was not associated with loss of time resulting from the necessity of submittals to CITY for approval, or from necessary CITY surveys, measurements, inspections and testing;

(f) The delay was not caused by usual or common weather for the time of year, including usual or common severe weather; and

(g) The delay could not have been prevented by the exercise of care, prudence, foresight, and diligence by Contractor.

Excusable delays may include acts of God, acts of public enemy, acts of the Owner or anyone employed by it, acts of another contractor in performance of a contract (other than this Contract) with the CITY, fires, floods, epidemics, quarantine restrictions, labor disputes, unusually and uncommonly severe weather for the time of year, unforeseen site conditions, or delays of subcontractors due to such causes. CITY shall take into consideration other relevant factors such as concurrent delays.

Contractor has the burden of proving that any delay was excusable, including but not limited to an analysis that establishes no concurrency.

No extension of time will be granted for an excusable delay caused by a shortage of materials unless the Contractor furnishes to the Engineer documentary proof that the Contractor has made every effort to obtain the materials from all known sources within reasonable reach of the Work in a diligent and timely manner, and further proof in the form of supplementary progress schedules that the inability to obtain the materials when originally planned did in fact cause a delay in final Completion of the entire Work which could not be compensated for by revising the sequence of the Contractor's operations. The term "shortage of materials" shall apply only to materials, articles, parts or equipment which are standard items and are to be incorporated in the Work. The term "shortage of materials" shall not apply to materials, parts, articles or equipment which are processed, made, constructed, fabricated or manufactured to meet the specific requirements of the contract. Only the physical shortage of material will be considered under these provisions as a cause for extension of time. Delays in obtaining materials due to priority in filling orders will not constitute a shortage of materials.

6-4.3 Payment for Delays. [Replace paragraph with the following:]

To be compensable, an excusable delay must be one for which the CITY is responsible, where the delay was unreasonable under the circumstances involved, and where the delay was not within the contemplation of the parties; **however**, Contractor shall not be entitled to monetary compensation when (a) Contractor could have reasonably anticipated the delay and avoided or minimized the cost impacts of it, such as judicious handling of forces, equipment, or plant, (b) there was a concurrent delay which does not qualify for monetary compensation under this paragraph, (c) the cause of the delay was reasonably unforeseen by the CITY or the delay was caused by factors beyond the control of the CITY, including but not limited to a delay under Section 2.2.8 above or a delay caused by a utility company's failure to perform despite CITY's reasonable arrangements for such performance; or (d) any other defense available to CITY

under law or equity applies. Contractor has the burden of proving that any delay was excusable and compensable, including an analysis that establishes non-concurrency.

The Contractor may not seek damages for delay of a planned Completion of the Work before the contractual deadline for Completion of the Work.

6-9 LIQUIDATED DAMAGES. [Add the following to this section]:

It is agreed by the parties to the Contract that time is of the essence and that in the case that all the work is not complete before or upon the expiration of the time limit set forth, damage will be sustained by the City. For each consecutive calendar day in excess of the time specified for the completion of the work, the Contractor shall pay to the City $2,500.00. In addition, the City shall have the right to charge to the Contractor and to deduct from payments for the work the actual cost to the City of engineering, inspection, superintendence, and other overhead expenses, which are directly chargeable to the Contract and which accrue during the period of such delay. The expenses and damages described above shall be deducted from any money due the Contractor under this contract. The Contractor and his sureties shall be liable for any excess cost.

6-9.1 Additional Liquidated Damages. [Add the following section]:

Additional liquidated damages will also be assessed in the amount of $500.00 per calendar day for failure to follow a construction schedule or timely submit periodic progress reports as described in Section 6 of these Special Provisions.

Additional liquidated damages will also be assessed in the amount of $500.00 per calendar day for failure to mobilize to the Project site within 10 working days of the date of the Notice of Proceed as specified in these Special Provisions.

Additional liquidated damages shall be assessed in the amount of $1,000.00 per day for failure to restore damaged utilities within three (3) working days as specified in Section 5 of these Special Provisions.

Additional liquidated damages shall be assessed in the amount of $1,000.00 per day for failure to stripe any portion of street after slurry seal operations / asphalt overlay operations within the time limits specified in Section 314 of these Special Provisions.

Additional liquidated damages shall be assessed in the amount of $1,000.00 per day for failure to place concrete sidewalk and/or curb ramps after demolition of said concrete within the time limits specified in Section 303-5.1.1 of these Special Provisions.

Additional liquidated damages shall be assessed in the amount of $500.00 per incident that the Contractor reduces the traveled way width beyond the hours specified in Section 7-10 of these Special Provisions without written authorization from the City.

Additional liquidated damages shall be assessed in the amount of $500.00 per day for failure to comply with, or implement, or maintain the Storm Water Pollution Protection Plan (SWPPP) or Water Pollution Control Plan (WPCP), as required, by the City's NPDES permit with the Santa Ana or San Diego Regional Water Quality Board.

Additional liquidated damages shall be assessed in the amount of $500.00 per incident that the Contractor fails to install the Best Management Practices (BMP's) within 24 hours of notification as described in Section 7-8.6.2 of the Special Provisions.

SECTION 7 - MEASUREMENT AND PAYMENT

7-3 PAYMENT.

7-3.2 Partial and Final Payment. [Add the following to this section]:

The closure date for periodic progress payments will be five (5) working days prior to the first Monday of each month. The final progress payment will not be released until the Contractor returns the control set of Plans and Specifications showing the as-constructed conditions. The City shall withhold from the final payment $15,000 in the event that the Contractor fails to return the control set of Plans and Specifications showing the as-constructed conditions.

SUBSTITUTION OF SECURITIES

In conformance with Public Contract Code Section 22300, the Contractor may substitute securities for any monies withheld by the City to ensure performance under the Contract Agreement.

At the request and expense of the Contractor, the Contractor has the option to deposit securities, which have been approved by the City, and deposited with a State or Federally chartered bank as the escrow agent. Said securities will be used as a substitute for retention earnings required to be withheld by the City, pursuant to the construction contract. The Contractor shall be the beneficial owner of any securities substituted for moneys withheld and shall receive interest thereon. Said securities shall have no obligation to any other construction contract for substitution of securities in lieu of retention. When the Contractor deposits the City approved securities with the escrow agent, the escrow agent shall notify the City within 10 calendar days of the deposit. Said securities shall be evaluated quarterly by the escrow agent to verify the current market value. If the current market value of said securities falls below the required amount, the escrow agent shall notify the Contractor and require additional securities and/or cash to be submitted for City approval, and be held in the escrow account to meet the Contractor's obligations. Said securities shall be held by the escrow agent until such time as the escrow agent receives written notification from the City that the Contractor has satisfactorily completed his contract obligations.

Alternatively, the Contractor may request and the City shall make payment of retention earned directly to the escrow agent at the expense of the Contractor. The Contractor may direct the investment of the payment into securities and the Contractor shall receive the interest earned on the investments upon the same terms provided for securities deposited by the Contractor.

The type of securities deposited and the method of release shall be approved by the City Attorney's office.

The full five percent (5%) retention will be deducted from all payments. The City shall hold retainage from the Contractor and shall make prompt and regular incremental acceptances of portions, as determined by the City, of the Contract work, and pay retainage to the Contractor based on these acceptances. The Contractor, or subcontractor, shall return all monies withheld in retention from a subcontractor within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the Contract work by the City. Federal law (49 CFR Section 26.29) requires that any delay or postponement of payment over 30 days may take place only for good cause and with the City’s prior written approval. Any violation of this provision shall subject the violating Contractor or subcontractor to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the Contractor or subcontractor in the event of a dispute

involving late payment or nonpayment by the Contractor, deficient subcontract performance, or noncompliance by a subcontractor.

The final retention will be authorized for payment thirty-five (35) days after the date of recordation of the Notice of Completion. . The City may withhold from release of the final retention amounts authorized under Public Contracts Code Section 7107 and/or 125% of amounts identified in any Stop Notices received by the City.

7-3.3 Delivered Materials. [Add the following to this section]:

Materials and equipment delivered but not incorporated into the work shall not be included in the estimate for progress payment.

7-3.4 Mobilization. [Add the following to this section]:

Mobilization shall consist of preparatory work and operations, including but not limited to those necessary for the movement of personnel, equipment, supplies, and incidentals to the Project site; for the establishment of all offices, buildings and other facilities necessary for the work on this Project; and for all other work and operations which must be performed or cost incurred prior to beginning work on the various contract items on the Project site. Mobilization is deemed to include all aspects of mobilization and de-mobilization work occurring during the life of the Project for any reason.

Full compensation for mobilization shall be included in the Contract **LUMP SUM** price bid for **Mobilization** and shall include full compensation for all costs incurred by the Contractor for doing all the work involved in mobilization as specified herein, and no additional compensation will be allowed. Mobilization shall not exceed 5% of the entire bid, excluding mobilization and as shown in the Proposal Bid Sheet.

7-3.5 Contract Unit Prices

7-3.5.1 General. [Replace with the following]:

If a change is ordered in an item of work covered by a Contract Unit Price, and such change does not involve substantial change in character of the work from that shown on the Plans or specified in the Specifications, then no adjustment in payment will be made regardless of the quantity of work performed.

If a change is ordered in an item of work covered by a Contract Unit Price, and such change does involve a substantial change in the character of the work from that shown on the Plans or specified in the Specifications, an adjustment in payment will be made per 7-3.7.

7-3.5.2 [Delete entire section]

7-3.5.3 [Delete entire Section]

7-3.7 Agreed Prices. [Replace with the following]:

Agreed Prices are prices for new or unforeseen work established by mutual agreement between the Contractor and the Agency. If mutual agreement cannot be reached, the Engineer may direct the Contractor to proceed on the basis of Extra Work in accordance with Section 7-4.

7-4 PAYMENT FOR EXTRA WORK.

7-4.2 Basis for Establishing Costs.

7-4.2.1 Labor [Amend as follows]:

Delete “Workers Compensation Insurance and Liability Insurance” from the “employer payments” in the first paragraph.

7-4.3 Markup.

7-4.3.1 Work by the Contractor. [Replace with the following]:

The following percentages shall be the maximum added to the Contractor’s costs and shall constitute the markup for all overhead, profits, Workers Compensation Insurance & Liability Insurance;

1) Labor	20
2) Materials	15
3) Equipment Rental	15
4) Other Items and Expenditures	15

To the sum of the Costs and markups provided for this subsection, one percent shall be added as compensation for bonding. In any event, notwithstanding the above markups, the total labor mark-up shall not exceed 33% of the base labor hourly pay rate. No additional compensation shall be allowed.

7-4.3.2 Work by a Subcontractor. [Replace with the following]:

When all or any part of the extra work is performed by a Subcontractor, the markup established in 7-4.3.1 shall be applied to the Subcontractor’s actual cost of work. A markup of ten percent (10%) on the first $5,000 of the subcontracted portion of the extra work and a markup of five percent (5%) on work added in excess of $5,000 of the subcontracted portion of the extra work may be added by the Contractor.

The markups mentioned hereinafter shall include, but are not limited to, all costs for all forms of insurance and the services of superintendents, project managers, timekeepers and other personnel not working directly on the change order and pickup or yard trucks used by the above personnel. These costs shall be reported as labor or equipment elsewhere except when actually performing work directly on the change order and then shall only be reported at the labor classification of the work performed.

SECTION 9 – FACILITIES FOR CONTRACT PERSONNEL. [Add this section]:

9-1 EXTENDED FIELD OFFICE OVERHEAD COST.

Within fourteen (14) calendar days after receipt of the Notice to Proceed, the Contractor shall submit written statement to the City detailing its field office overhead costs which are time related. The City will review this first cost submittal and reach a written agreement with the Contractor on a daily field office overhead cost rate which shall be memorialized in a no cost change order. The daily rate agreed to in this change order will be applicable throughout the duration of the Contract. No field office costs will be paid until such an agreement is reached between the City and the Contractor and the change order concerning this daily rate is executed by both parties. Progress

payments will be withheld pending receipt of the above-referenced cost submittal and executed change order.

The individual cost components of the daily field office overhead rate shall represent costs which increase as a direct result of any time extension caused solely and exclusively by an act or omission of the City. This listing may include such cost items as on-site project management, supervision, Engineering and clerical salaries; on-site utilities and rent; on-site company vehicles and their operating expenses; and site maintenance and security expenses. Field office overhead costs which are unaffected by increased time shall not be allowable cost in calculating the daily field office overhead rate. These non-time related costs include, but are not limited to, acquisition and installation of stationary equipment; temporary construction facilities; utilities and office furnishings (unless such items are rented or leased); the preparation of the site including clearing, grubbing, grading, fencing, mobilizations and demobilization costs; and the costs of permits, bonds and insurance coverage for the Project.

The individual wage cost components used to calculate the daily field office rate shall be supported by actual employee payroll records, not salary ranges or estimates. Hourly rates for management, supervisory, engineering, and clerical employees shall be based upon 2080 work hours per year and shall not include allowances for holidays, vacations, or sick time.

When applicable, the daily field office overhead rate shall be multiplied by the number of days the Contract is delayed or extended by change order and shall be added to the agreed upon change order cost. The days of delay shall be those caused solely by the acts or omissions of the City and documented by a time impact analysis prepared and submitted by the Contractor. In the event a deductive change order is issued which reduces time under the Contract, the daily field office overhead rate shall be used to calculate the deductive amount. No allowance for overhead costs and no profit allowance shall be added to the extended field office overhead cost.

SECTION 10 - RESPONSIBILITIES OF THE CONTRACTOR [Add this section]:

10-1 CONTRACTOR'S EQUIPMENT AND FACILITIES.

10-1.1 General.

Conduct of the Work. The Contractor shall behave, at all times, in a courteous, professional manner. While on site, or entering or exiting the site, there shall be no extraneous activity that might cause disruption to the Project site, surrounding areas, or residents. Failure to comply may result in the suspension of work, or removal of contractor’s staff from the Project.

Noise Levels. A noise level limit of 86 dbA at a distance of fifty feet (50') shall apply to all construction equipment on or related to the job whether owned by the Contractor or not. The use of excessively loud warning signals shall be avoided except in those cases required for the protection of personnel.

10-2 COOPERATION AND COLLATERAL WORK.

The Contractor is advised as to the possibility of other construction projects within the proposed construction zone by the City, other governing agencies or private enterprises. In the event of such projects, the Contractor shall coordinate with the applicable parties as to the extent of any time required to complete their work and shall schedule its work and conduct its operations so as to permit access and time as required for the concurrent work. The Contractor shall immediately notify the City Engineer in the event of a delay in scheduling caused solely by this concurrent

work. Payment for the above, if any, shall be deemed as included in the items of work as shown on the proposal bid sheet and no additional compensation will be allowed.

10-3 PROJECT SITE MAINTENANCE.

10-3.1 Cleanup and Dust Control.

The Contractor shall keep adjacent properties clean and free of rubbish and debris in a timely manner as necessary and/or as directed by the Engineer.

The Contractor shall implement effective handling, storage, usage, and disposal practices to control material pollution and manage waste and nonstormwater at the job site before they come in contact with storm drain systems and receiving waters.

10-3.1.1 Construction Cleaning [Add the following section]:

The Contractor shall:

(a) Initiate and maintain a daily program to prevent accumulation of debris on-site and along access roads and haul routes. Maintain areas under Contractor's control free of waste materials, debris, weeds 6” high, and rubbish. Maintain site in a clean and orderly condition.

(b) Provide suitable covered containers for deposit of debris and rubbish. Dispose of accumulation of extraneous materials, prohibit overloading of trucks to prevent spillages on access and haul routes and provide daily inspection of haul routes to enforce requirements.

(c) The Contractor shall supply self-loading motorized street sweepers equipped with a functional water spray system as part of his daily program.

(d) Schedule at a minimum, weekly collection and disposal of debris. Provide additional collections and disposals of debris whenever the weekly schedule is inadequate to prevent accumulation.

The Contractor shall remove debris from closed or remote spaces prior to closing the space, control cleaning operations to minimize dust and other particulates and immediately remove clay and earth which adhere to the paved surface of the roadway. Remove by hand scraping, washing, sweeping, and/or other method(s) which will leave a clean non-skid surface without impairing, injuring or loosening the surface.

The Contractor is required to control dust throughout the life of the Contract. The control may be required by job conditions or City Engineer. In any case, the Contractor shall use water or other means to control the dust. No chemical agents may be used without written authorization from the Agency. The Contractor shall be solely responsible for safety problems, accidents or any other complications or claims arising from inadequate dust control.

No separate payment will be made for any work performed or material used to control dust resulting from the Contractor's performance of the work, or by public traffic, either inside or outside the right-of-way. Full compensation for such dust control will be considered as included in the price paid for the various items of work involved.

No separate payment will be made for any work performed or material used in cleaning the Project. Full compensation for such cleaning shall be considered as included in the price paid for the various items of work involved and no additional compensation will be allowed therefore.

10-4 WATER POLLUTION CONTROL

10-4.1 Best Management Practices (BMPs)

Per the Federal Clean Water Act, the Contractor is required to eliminate pollution to waters of the United States in regards to this Project. This Project will require the Contractor to implement "Best Management Practices".

The Contractor shall submit a Water Pollution Control Plan (WPCP) as detailed in Appendix A. The Contractor shall confirm that all of the Best Management Practices (BMP's) have been adequately detailed that addresses his or her anticipated construction operations and meets the intent of the NPDES requirements. After the Notice of Award, the Contractor shall submit to the City a finalized and signed WPCP, which establishes the construction BMP requirements, for review and approval. No work will be allowed to begin without an approved WPCP on file with the City.

The Contractor shall utilize Best Management Practices (BMP's) outlined in the WPCP during construction to ensure that sediment from storm runoff and construction activities does not enter storm drains. Some of the primary Water Pollution Control measures anticipated for this Project include, but are not limited to, covering all storm drain inlets in the Project vicinity with water permeable fabric and gravel bags prior to performing any adjacent AC grinding, removal or paving operations or PCC ramp lip grinding; properly fueling and cleaning all equipment/vehicles; maintaining an ample supply of gravel/sand bags on-hand when excavating new PCC sidewalk/ramp/curb/gutter improvements in the event of rain; properly containing all PCC treatment materials such as the coloring agents, exposed aggregate etching chemicals and surface treatment chemicals required to install the detectable warning mats; properly covering all incoming material trucks and all out going debris hauling vehicles; providing restroom facilities for workers; and regular street sweeping of the work area and haul routes to the satisfaction of the Owner's Representative.

The requirements of all of the following agencies shall be met and maintained and where there is a conflict between requirements, the most stringent requirement shall govern.

1. San Diego Regional Water Quality Control Board
2. Santa Ana Regional Water Quality Control Board
3. County of Orange

10-4.1.2 Payment

Full compensation for conforming to Subsection 7-8.6, including providing all necessary Best Management Practices shall be considered as included in the Contract **LUMP SUM** price for **Water Pollution Control Plan and BMP Implementation** and shall include finalizing and implementing the WPCP in accordance with the "Draft" WPCP and as detailed herein, and shall include full compensation for encroachment permit processing as related to the WPCP, furnishing all labor, tools, materials, and incidentals for implementing said approved / finalized WPCP.

10-5.1 Payment.

The Contract **LUMP SUM** price bid for the **Traffic Control & Noticing** bid item shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the traffic control related work involving placing, removing, storing, maintaining, moving to new locations, replacing and disposing of the components of traffic control system as specified in the

Standard Specifications and these specifications and as directed by the City. The lump sum price shall also include steel plates and temporary AC including installation and removal; all associated temporary signing and striping; flashing arrow signs; flagging and/or flagmen costs; night work; Project notifications; and changeable message signs at the Project site, and no additional compensation will be made therefore.

10-6 CONTRACTORS RESPONSIBILITIES FOR WORK

Until Acceptance of the Work, the Contractor shall have the responsibility, charge and care of the Work and of the materials to be used therein (including materials for which it has received partial payment or materials which have been furnished by the City) and shall bear the risk of injury, loss or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the Work.

The Contractor shall rebuild, repair, restore, and make good all injuries, losses, or damages to any portion of the work or the material occasioned by any cause before its completion and acceptance and shall bear the expense thereof. Where necessary to protect the work or materials from damage, the Contractor shall at his expense provide suitable drainage and erect such temporary structures as are necessary to protect the work or materials from damage. The suspension of the work from any cause whatever shall not relieve the Contractor of his responsibility for the work and materials as herein specified. If ordered by the City Engineer, the Contractor shall at his expense properly store materials which have been partially paid for by the City or which have been furnished by the City. Such storage by the Contractor shall be on behalf of the City, the City shall at all times be entitled to the possession of such materials, and the Contractor shall promptly return the same to the site of the work when requested. The Contractor shall not dispose of any of the materials so stored, except on written authorization from the City.

In an emergency affecting the safety of life or property, including adjoining property, the Contractor, without special instructions or authorizations, is authorized to act at his discretion to prevent such threatened loss or injury, and he shall so act as though instructed to do so by the City.

PART 2 - CONSTRUCTION MATERIALS

SECTION 200 – ROCK MATERIALS

200-1 ROCK PRODUCTS.

200-1.1 General. [Add the following to this section]:

Coarse aggregate is material retained on the No. 4 (4.75 mm) sieve and fine aggregate is material passing the No. 4 (4.75 mm) sieve.

Materials may be sampled at any time until final formal acceptable of the Work.

200-1.1.3 Source. [Add the following section]:

Before beginning Portland cement concrete, asphalt concrete, and slurry seal work, the Contractor shall submit the name of the supplier to the Engineer as specified in 3-8. The supplier shall have on file with the Agency mix designs for Portland cement concrete conforming to 201-1.1, asphalt concrete conforming to 203-6.2, and slurry seal conforming to 203-5.4.2, when required by Specifications.

200-1.1.2 Statistical Testing. [Add the following to this section]:

Whenever the results of an individual test for any property of a material, other than concrete compressive strength, does not comply with the limits specified for the moving average should the next test be of the same value as that of the test being considered, the production of that material shall be suspended until corrective changes have been made by the Contractor and test indicate that the quality of the next material to be used in the work complies with that specified moving average.

SECTION 201 – CONCRETE, MORTAR, AND RELATED MATERIALS

201-1 PORTLAND CEMENT CONCRETE.

201-1.1 Requirements.

201-1.1.1 General. [Add the following to this section]:

The same brand, type and source of cement and aggregate shall be used for all Portland Cement Concrete. All concrete used on the Project shall be 560-C-3250. Type II/V cement shall be used.

201-1.2 Materials.

201-1.2.1 Cement. [Add the following]:

Portland cement shall be Type II/V.

201-1.2.5.3 Fly Ash. [Delete this Section and Add the following]:

Fly ash shall not be used.

201-2 REINFORCEMENT FOR CONCRETE.

201-2.2 Steel Reinforcement. [Add the following]:

All reinforcing steel shall be Grade 60 unless otherwise shown on Plans.

SECTION 203 - BITUMINOUS MATERIALS

203-6 ASPHALT CONCRETE.

203-6.1 General. [Add the following to the end of the subsection:]

Asphalt concrete mixes shall comply with Orange County Public Works Standard Plan 1805 requirements, subject to the following clarifications:

Surface Course AC: ½" Type IIIC3 PG 64-10 R20

Base Course AC: ¾" Type IIIB2 PG 64-10 R20

Leveling Course AC and Miscellaneous AC Placement (Hand patching): 3/8" Class D2 PG 64-10 R20

Sampling and Testing

The City Engineer shall have the right to obtain samples of all materials to be used in the work at any stage of the production and construction process and to test such samples for the purpose of determining specification compliance.

Materials that failed the tests shall be replaced by the Contractor, and retesting for specifications compliance shall be at the Contractor's expense

SECTION 211 - MATERIAL TESTS

Proposed off-site fill material shall be inspected, tested and laboratory report issued prior to use in the work. Suitable excavated materials removed to accommodate new construction may be used as fill material subject to Soils Engineer's inspection and approval.

211-1.2 Field Density. [Add the following to this section]:

Field density tests will be made by the Engineer during the course of construction at the expense of the CITY. If field density tests indicate that any portion of the compacted sub-grade has density or moisture level lower than that specified, the Contractor shall rework that portion until the specified density and moisture level is obtained. Retest of areas, which have failed compaction, will be performed by the Engineer at the Contractor's expense.

SECTION 214 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS [Replace the entire Section with the following]:

214-1 GENERAL.

Traffic stripes and pavement markings shall conform to the State Standard Specifications as described in these specifications.

PART 3 - CONSTRUCTION METHODS

SECTION 300 EARTHWORK

300-1 CLEARING AND GRUBBING.

300-1.1 General. [Add the following to this section]:

In addition to the work outlined in Subsection 300-1 of the Standard Specifications, the following items of work are included under Clearing and Grubbing unless otherwise covered by a specific bid item.

1. Mobilization work and operations per Subsection 7-3.4.
2. Documentation of existing conditions per Subsection 300-1.2 of these specifications.
3. Hand removal and disposal of all vegetation, trees, tree roots, trash and other objectionable material from the affected portion of the project and areas adjoining thereto.
4. Maintain dust control at all times by sweeping; including developing a water supply and furnishing and placing all water required for work done in the contract, including water used for extra work and water used for irrigation purposes.
5. Protection of utilities, trees, shrubs, fences, walls, and other facilities within the construction zone, except those specifically directed by the Engineer to be removed or relocated.
6. Daily cleanup work site including streets, sidewalks and driveways. Daily litter removal. Daily and as needed street sweeping as specified herein. Recycling of waste materials and provisions for refuse containers from CR&R.
7. Clearing and removal of debris from site of work.
8. Removal of structures, as directed by Engineer to be removed or abandoned.
9. Delay in work necessary to accommodate utility relocations by others.
10. Other items of work as directed in these specifications.

300-1.1.1 Preservation of Property. [Add the following section]:

Prior to start of demolition, the Contractor shall document existing conditions adjoining Project limits to establish preconstruction conditions that might be misconstrued as damage caused by site clearing. Contractor shall use sufficiently detailed photographs and videotape to document existing conditions of any damage. Contractor shall provide photographs and videotape to the Engineer upon request. Payment for this work shall be included in all other items of work and no additional compensation will be allowed.

300-1.2.1 Removal and Disposal of Materials. [Add the following section]:

All materials removed, except for materials indicated to be relocated or salvaged, become the property of the Contractor and shall be hauled to and lawfully disposed of at a site secured by the Contractor. The Contractor will provide the Engineer with a letter indicating the final disposition of materials hauled away and disposed offsite from the Project within five (5) working days after Project completion. No removed materials shall be left within the Project limits overnight.

Any existing irrigation system interfering with construction of new improvements shall be removed and relocated. Payment for removal and relocation of interfering existing irrigation system will be

considered as included in the item of work interfering with the existing irrigation system and no additional compensation will be allowed.

Any curb drain or parkway drain within limits of removal shall be removed and replaced in kind. Payment for removal and reconstruction or curb drain and parkway drain will be considered as included in the item of work removing the adjacent curb or sidewalk and no additional compensation will be allowed.

Prior to the removal of materials, the Contractor shall coordinate with the regional notification center (Underground Service Alert of Southern California) to mark out all existing utilities per Section 402. Contractor shall confirm location and depth of all existing utilities per Section 402 in order to avoid damage to them during removal operations.

300-1.1.3 Bituminous Pavement. [Add the following section]:

Prior to removal of bituminous pavement, saw cutting, excavation, or cold milling, the Contractor shall scan the work area using a metal detector of adequate strength to located manholes, valves, utility access covers or any other metal appurtenances buried below the existing pavement surface whether shown on the Plans or not. Contractor shall be responsible for locating these utilities, and if any are found that aren't shown on the Plans, Contractor shall inform the Engineer for direction on disposition of utility.

Unless specified on Plans to be cold milled, all bituminous pavement shall be saw cut to full depth in a straight line with a power driven saw and completely removed. Where only the surface of existing bituminous pavement is to be removed, the method of removal shall be cold milling per Section 404 and a minimum laying depth of two (2) inches of new pavement material shall be provided at the join line.

300-1.1.4 Payment. [Add the following to this section]:

Compensation for Clearing and Grubbing shall be included in all other items of work and no additional compensation will be allowed.

300-1.2 Root Pruning and Tree Trimming. [Add the following]:

303-1.2.1 Root Pruning.

1. Cut tree roots along both side of walk area, and behind existing edges to a minimum of 20-inches deep.
2. Tree roots will not be cut up to the base of the trunk.
3. All tree root cutting will be approved by the City's representative.

Root pruning equipment shall be specifically designed for this purpose, sharpened adequately to sever roots in a clean manner, and equipped with padded tracks or rubber tires to prevent scraping or marking of sidewalks.

All cuts shall be backfilled whether immediately upon completion of root pruning or upon completion of sidewalk and curb and gutter repairs and root barrier installation provided that adequate warning devices are placed and maintained at each location. Backfill material shall consist of dirt, Crushed Aggregate Base or crushed miscellaneous base.

The Contractor shall repair or replace sprinkler system and all utility service connections within the right-of-way which are damaged or removed as a result of the root pruning operation. Repairs shall be initiated immediately and completed by the end of each working day. Repairs and replacements shall be at least equal to existing improvements, and shall match them in finish and dimension, and will be done at Contractor's expense.

300-1.3.1 General. [Add to this section:]

The work shall be done in accordance with Section 300-1.3.2 of the Standard Specifications except as modified and supplemented herein. Joins to existing pavement lines shall be full depth sawcuts. Final removal between the sawcut lines may be accomplished by the use of jackhammers or sledgehammers. Pavement breakers or stompers will not be permitted on the job. The Engineer must approve final removal accomplished by other means.

The Contractor shall maintain the job site in a clean and safe condition. The Contractor will remove any broken concrete, debris or other deleterious material from the job site at the end of each workday. All areas of roadway removal and replacement shall have a minimum trench width of 3-feet to facilitate maximum compaction. Contractor shall meet with the Engineer to mark out the areas of roadway removal and replacement."

300-1.3.2 Requirements. [Add the following]:

(a) Bituminous Pavement. It shall be the Contractor's responsibility to dispose of all suitable bituminous pavement at a recycling facility. The expense for such work shall be deemed as included in the unit price for various items of work in the contract. No additional compensation will be allowed.

(c) Concrete Curb, Walk, Gutters, Cross Gutters, Driveways, and Alley Intersections. Replace the first sentence of this Section with: "Saw cuts shall be neatly made to a minimum of two (2) inches." Replace the words "1-½ inch" of the last sentence with the words "two (2) inches".

(d) Miscellaneous

In addition to the work outlined in Subsection 300-1 of the Standard Specifications, the following items listed below will not be paid separately. The expenses for such work shall be deemed as included in the price bid for various bid items and no additional compensation will be allowed.

1. Tree removal and relocation, as required.

2. Removal of interfering portions of fences, planters, sign foundations, vegetation and irrigation systems.

3. Maintain dust control at all times by watering.

4. Protection of utilities, trees, fences, walls signs and other facilities within the construction zone, except those directed to be removed or relocated.

5. Relocation of existing parking bumpers, flag poles, posts, guard posts, curb drains, mailboxes and private property lighting systems not covered under other items of work.

6. Removal and salvaging of existing signs.

7. Removal and salvaging of existing bus shelters, street furniture and other appurtenances.

8. Removal of existing A.C. berm.

9. Removal of existing parkway drainage improvements such as curb drains, parkway culverts, etc.

10. All sawcutting of existing A.C. pavement and concrete pavement surfaces necessary to facilitate construction of the project.

11. Notifying owners of all newspaper machines and vending machines to remove their facilities from street. Contractor shall remove and dispose of said facilities if no action is taken by Owner.

12. Removal of any other items within the work zone which are not accounted for under individual items of work in these specifications.

300-1.4 Payment. [Add the following]:

Unless otherwise specified, compensation for clearing and grubbing shall be included in the **Remove & Replace Existing Curb Ramp** bid item and no additional compensation will be allowed. Payment shall include full compensation furnishing all labor, materials, tools, equipment and doing all work involved in clearing and grubbing as specified.

300-1.5 Solid Waste Diversion. [Add section.]

Non reinforced concrete and asphalt wastes generated from the job site shall be disposed of at a facility that crushes such materials for reuse. Excess soil and other recyclable solid wastes shall not be disposed of at a sanitary landfill.

The Contractor shall maintain monthly tonnage records of total solid wastes generated and solid wastes disposed of at a sanitary landfill. The Contractor shall report said tonnage monthly to the Engineer on a form provided by the Engineer and provide appropriate confirmation documentation from the recycling facility.

300-2 UNCLASSIFIED EXCAVATION.

300-2.1 General. [Add the following to this section]:

Unclassified Excavation shall consist of all saw cutting and excavation of existing roadway as necessary to construct the proposed AC “dig-out” improvements as directed by the Engineer.

Removals in AC pavement shall be minimum 3 inch depth and in PC concrete minimum 3 inch depth, or as directed by the Engineer.

Removal shall be done in accordance with Section 300-1 and Section 401 of the Standard Specifications and these Special Provisions.

The Contractor shall be responsible for locating and protecting manhole, water valve and utility access frames and covers or other metal appurtenances buried below the existing surface, whether shown on the plans or not.

All existing asphalt concrete pavement that is to be joined by new construction shall be saw cut in a straight line the full depth of the existing pavement. Contractor shall exercise due caution to avoid any disruption to the existing aggregate base that is to remain below the depth of removal called out on the plans. In addition, the Contractor shall not disturb or damage existing improvements to be protected in place. Any damage done by Contractor and/or its equipment shall be repaired or replaced as called out in Section 402 of the Standard Specifications at Contractor's expense. The Contractor shall call USA prior to excavation and shall "pothole" existing utilities that fall within the proposed pavement 'dig-out" areas as necessary to determine their depth to avoid damaging said utilities.

Removal of existing pavement sections shall be to the depth required for construction of the replacement roadway sections as shown on the plans, estimated bid quantities (proposal) and/or as directed by the Engineer, and will include the removal of existing AC pavement and conflicting portions of aggregate base. All removed material becomes the property of the Contractor and shall be hauled and recycled/disposed of properly outside of the roadway right of way.

The use of pavement breaking equipment (stomper) is not permitted. No crushing operations by Contractor will be allowed at the job site or within the Laguna Hills City limits. Contractor shall price the unclassified excavation and other related bid items accordingly.

The Contractor shall excavate a length of section of roadway not to exceed the amount of removal and placement of AC base course that can be completed within the same working day. All excavations shall be backfilled as soon as permitted under the specifications so that when the job is closed for the day, the open excavation will be kept at a minimum and adjacent utilities will receive maximum backfill support.

300-2.9 Payment. [Add the following to this section]:

Payment for Unclassified Excavation shall be considered included in the Contract unit price bid items 4, 5, & 6 per **EACH** for **Remove and Replace Existing Curb Ramp** and shall include full compensation for all work required to complete removal and reconstruction of asphalt concrete areas complete in place including, but not limited to, over-excavation, saw cutting pavement, removal and disposal / recycle of excess material at a suitable site, surface preparation, compaction of the sub-grade to 90 percent relative compaction, and furnishing all labor, materials, tools, equipment and incidentals and no additional compensation will be allowed therefore.

300-4 UNCLASSIFIED FILL

300-4.9 Measurement and Payment. [Add the following to this section]:

Compensation for Unclassified Fill required for asphalt concrete slot paving or digouts, concrete improvements, or minor grading adjacent to concrete improvements shall be included in the cost of constructing those items and no additional compensation will be allowed.

SECTION 301 –SUBGRADE PREPARATION, TREATED MATERIALS, AND PLACEMENT OF BASE MATERIALS

301-1 SUBGRADE PREPARATION

301-1.3 Relative Compaction. [Add the following to this section]:

Cross gutters are to be placed directly on subgrade material which the top 6 inches has been compacted to a relative compaction of 95 percent.

SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION

303-5 CONCRETE CURBS, WALKS, GUTTERS, AND CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS, AND DRIVEWAYS

303-5.1 Requirements.

303-5.1.1 General. [Add the following to this Section]:

Saw cuts shall be made at existing joints or cracks or at least 8 feet from an existing joint or crack, and if the saw cut is made at an existing crack, the saw cut shall include the crack within the removal area. Spandrel shall be saw cut a maximum 2 inches from curb face minimum 3 inch depth.

The Contractor shall verify with a "smart level" that the ADA required maximum ramp and sidewalk grades are not exceeded both when marking the required saw cut removal limits and when setting the concrete forms, prior to pouring any curb ramp locations. **It shall be the Contractor's responsibility to supervise and utilize the proper experienced personnel to ensure that the proper saw cut limits are established for all curb ramp locations.** The City shall not be responsible to direct the Contactor's crews or otherwise serve in this management capacity. The City shall be present to verity the concrete forms, prior to pouring any PCC construction improvements.

The Contractor shall verify with a "smart level", string line and/or water testing that positive drainage is maintained. The City shall be present to verify the concrete forms, prior to pouring any concrete construction improvements.

Adjacent asphalt and base removal and replacement with full depth AC base course, associated with the curb and gutter reconstruction, shall be a minimum depth of 12-inches and a minimum width of 12-inches and shall conform to the requirements established elsewhere in these Special Provisions.

Note that existing traffic signal and interconnect conduits may be located at shallow depths under the existing PCC sidewalks at signalized intersections. The Contractor shall use extreme caution when removing existing PCC curb and gutter. The Contractor shall notify USA Dig Alert to identify existing utilities within the Project limits.

The sidewalk and curb ramp work shall include all related adjustments of pull boxes, pull box covers and protection of traffic signal poles and signs that fall within the proposed PCC ramp and sidewalk construction limits, unless otherwise called for on the plans. Curb outlets, surface drains, and grates located within the proposed ramp limits shall be protected in place or replaced in kind, as necessary, and such work shall be considered incidental to the unit cost per curb ramp.Since the adjustment of pull boxes and pull box covers may require lowering the pull box and pull box cover, said work shall also be considered to include the adjustment of conduit sweeps and conductors if they are found to encroach high enough into the new ramp finished surface plane. It is the Contractor's responsibility to review in the field in advance all existing pullboxes, which fall within the proposed PCC ramp construction limits, to confirm whether the existing conduit

sweeps and conductors will encroach into the proposed finished surface when the pullboxes are adjusted to grade and to bid accordingly.

The contractor shall schedule his operations in such a manner that the duration of time between demolition of curb and gutter, sidewalk and/or curb ramps and concrete placement shall not exceed 72 hours, which includes weekends. Sidewalk and curb ramps shall be opened to pedestrian access on the day following the concrete placement. In addition, all forms shall be removed, irrigation systems shall be repaired, and backfilled placed within 72 hours following concrete placement at each of the curb and gutter reconstruction locations. Section 6-9.1 of these specifications will apply for failure to adhere to these time limits.

Concrete curb ramp construction shall include a 3-foot deep by 4-foot wide rectangular truncated dome mat and 12" wide grooving layout per the latest Caltrans Standard Plan No. A88A and A88B. The truncated dome mat shall be yellow in color for all application.

A single panel cast-in-place truncated dome mat, constructed of Vitrified Polymer Composite (VPC) by Armor-Tile (800) 682-2525, www.armor-tile.com or approved equal, shall be required on all new curb ramps. EqualTile, (626) 494-1827 or www.equalite.com is an approved equal for the installation of the Vitrified Polymer Composite Truncated dome mats.

The truncated dome mat shall be installed across the entire width of the bottom of the curb ramp (typically 4-foot by 3-foot) and shall be installed per the manufacturer's installation recommendations, and as directed by the Engineer.

At a minimum the Contractor shall adhere to the truncated dome mat manufacturer's installation requirements including proper surface preparation and protection of the work and surrounding area.

Where retaining curbs are required at the back of curb ramp / sidewalk to make up for a difference in elevation between the existing grade and proposed curb ramp / sidewalk grade, the construction of said retaining curb shall be considered as part of the curb ramp / sidewalk work.

All work necessary to construct the improvements shall be confined to City right-of-way. All excavation and forms necessary to construct the improvements shall not disrupt private property. In cases where improvements on private property need to be removed, prior approval from the Engineer or designee shall be obtained, and said improvements shall be replaced to its original condition to the satisfaction of the Engineer or designee. **The contractor shall enter into a temporary agreement with the property owner to allow access for construction on private property. Such agreement shall be provided to the City immediately after signatures are obtained. Costs, if any, for obtaining authorization shall be deemed as included in all other items of work and no additional compensation will be allowed**

Contractor shall ensure that the protection of all existing facilities, structures, and improvements on public and/or private property are maintained throughout the entire Project duration, including, but not limited to, the following: walls, driveways, decorative/colored concrete, stamped concrete, fencing, catch basins, curb and gutter, striping, signs, fire hydrants, landscaping, irrigation, concrete, and asphalt. Any damage to existing public and/or private facilities, structures, utilities, traffic signal loops, and improvements shall be repaired to the satisfaction of the Engineer by the Contractor at no cost to the City.

For the purpose of forming the new curbs and gutters, curb ramp, and cross gutter, a minimum of one-foot wide strip of asphalt concrete pavement shall be removed adjacent to the new curb and

gutter, ramp, or cross gutter. The strip shall be replaced with a 12" full depth asphalt concrete as directed by the Engineer.

For the purpose of transitioning the new curbs and gutters, curb ramp, and cross gutter, a pavement transition may be required. The limits of removal shall be determined by the engineer. The pavement transition shall be replaced with a 12" full depth asphalt concrete as directed by the Engineer.

No open trench (forming strip or pavement digout) shall be left unattended at any time. All trenches shall be backfilled and paved or covered with steel traffic plates at the end of each working day.

In addition to concrete curb and gutter construction that is related to the concrete curb ramp construction; Concrete curb and gutter that is constructed in conjunction with the new curb ramps shall not be constructed monolithic with the adjacent curb ramp or sidewalk.

Upon demolition and removal of existing concrete, expansive subgrade, as determined by the City, shall be prepared to comply with the provisions of Orange County Standard Plan 1204. The minimum depth of subgrade preparation shall be 12 inches, moisture conditioned to 5 percent over optimum moisture content, and compacted to at least 90 percent minimum relative compaction (ASTM D1557). All costs for subgrade preparation shall be considered incidental to curb ramp construction.

Where constructed over expansive subgrade, concrete shall be 5 inches minimum thickness and shall be doweled into adjacent curbs and flatwork with No. 3 reinforcing bars, doweled 7 inches into adjacent concrete at 24-inch centers. Construction joints shall be spaced a maximum of 5 feet apart. A 2-inch layer of aggregate base (CMB or CAB) shall be placed between the top of subgrade and the bottom of new concrete.

303-5.5 Finishing.

303-5.5.4 Gutter. [Add the following to this section]:

When the gutter is constructed, it shall be water tested. If any portion of the newly constructed gutter is shown to pond water, that portion, including curb if applicable, shall be removed, reconstructed and retested by the Contractor at no additional cost to the City. The exact limits of removal will be determined based on a survey conducted by City forces, unless otherwise directed by the Engineer.

303-5.9 Measurement and Payment. [Add the following to this Section]:

Payment for the **Remove & Replace Curb Ramp** bid items 4, 5, & 6 shall be included in the Contract unit price per **EACH** bid item as indicated in the bid schedule. The unit price shall include full compensation for all colored and non-colored concrete, spandrel repair, curb and gutter, cast in-place detectable warning surface (truncated domes), saw cutting, existing concrete and asphalt concrete removal and disposal, all related root pruning if any, all related forming, sub-grade preparation, all related adjacent sprinkler system modifications and adjustments, all replacement asphalt concrete pavement as required to provide room for concrete forms, protection of existing parkway drain pipe that outlet through the existing curb face if any, adjustment of all pull boxes (including the adjustment of conduit sweeps and conductors when conflicting), protection or replacement of grates and adjustment of other utility covers to the new grades, cross walk restriping, protecting existing improvements within and adjacent to the work, furnishing all labor, materials, tools, equipment and incidentals and for completing all work involved as specified

herein, and as shown on the Project Plans and referenced standard plans. All existing traffic signal loops to be protected in place. The contractor will notify the City seven days in advance if disturbance of any traffic signal loops is unavoidable. The City will make arrangements to have the loops replaced by others.

Payment for concrete sidewalk, which is related to the concrete curb ramp construction, within the curb ramp and curb return areas, shall be included in the Contract unit price per Remove & Replace Existing Curb Ramp per OCPW Std. Plan 1115 bid item as indicated in the bid schedule. Any concrete sidewalk removal required to construct new curb ramps per ADA required maximum curb ramp and sidewalk grades shall be included as part of the work for the curb ramp bid item. Full compensation for this shall include but not be limited to, furnishing all labor, materials, tools, and equipment necessary for doing all work.

Retaining concrete curbs, which are required at the back of concrete curb ramps and sidewalks shall be paid for as part in the Contract unit price per Remove & Replace Existing Curb Ramp per OCPW Std. Plan 1115 bid items as indicated in the bid schedule and no additional compensation will be allowed.

Payment for all curb and gutter reconstruction performed in conjunction with curb ramp replacement shall be considered incidental to the curb ramp work and shall be included in the Contract unit pricer per each Remove & Replace Existing Curb Ramp bid items. Full compensation for this item shall include but not be limited to furnishing all labor, materials, tools and equipment necessary for doing all the work.

Payment for asphalt concrete for forming or transitioning improvements shall be included in the Contract unit price per each Remove & Replace Existing Curb Ramp per OCPW Std. Plan 1115 bid items as indicated in the bid schedule. Full compensation for this item shall include but not be limited to furnishing all labor, materials, tools and equipment necessary for doing all the work.

Adjacent asphalt concrete/aggregate base removal and replacement full depth asphalt concrete base course, associated with all concrete reconstruction work shall be included in the Contract unit price per Remove & Replace Existing Curb Ramp per OCPW Std. Plan 1115 bid item as indicated in the bid schedule and no additional compensation will be allowed.

303-9 SACK AND PATCH OF EXISTING CONCRETE CURB. [Add the following:]

The work done under this section is for the restoration of existing curb. All work incidental to performance of the work shall conform to Section 303-5 and the following specifications and instructions below:

Sack and Patch Procedure

Filling Large Voids:

Remove all cracked and crumbling areas using the point of a heavy-duty trowel or using a sledge and cold chisel to break away any thin or loose edges, squaring off the edges. Use a wire brush to remove any crumbling materials. Then sweep away and collect, or vacuum all dirt and debris down to a solid base. Create temporary forms as necessary for the face of the curb. Wet the areas to be patched with water. Mix rapid-set cement according to manufacturer’s instructions. Apply the mix with a trowel, using heavy trowel pressure. Overfill slightly and then trowel smooth to match the surrounding concrete. Remove formwork and trowel face and top of curb smooth. Sponge over the cement to smooth finish faces and tops. Allow cement mix to dry.

Filling Pits and Small Voids:

Use a wire brush to remove any loose materials. Then sweep away and collect, or vacuum all dirt and debris down to a solid base. Make a mortar consisting of one-part cement and two-parts, by volume, of sand passing a No. 16 screen plus enough water such that the consistency of the mortar will be that of thick cream. Wet curb with water using a sprayer. Apply the mortar thoroughly over the area by rubbing in with clean burlap or a sponge rubber float so that it fills all pits. While the mortar is still plastic, rub the surface over with a drier mix of the same material. This removes all excess plastic material and places enough dry material in the pits to stiffen and solidify the mortar. The filings should then be flush with the surface. No material should remain on the surface above the pits. Allow to cure. As necessary for color-uniformity or finished texture, prepare a paint-like cement mixture consisting of cement and water and apply with a sponge or brush to the curb top and face. It may be necessary to blend the cement with white cement to obtain a color matching that of the surrounding concrete surface.

SECTION 309 – MONUMENTS

309-1 Description. [Add the following to this section]:

All work shall be performed by a California licensed land surveyor or civil engineer qualified to perform survey work. The work shall consist of searching and locating existing centerline survey monuments; tie existing locations; coordinate removal with City Engineer; reset monuments upon completion of construction; prepare 8 ½" by 11" size tie sheets showing location of monuments and ties; and file with City Engineer.

Monuments to be reset shall include all those found along centerline of streets within the Project boundary, all lot corner monuments disturbed by the construction shall be identified and protected or reset as necessary.

309-4 Payment. [Add the following to this section]:

The cost of all work described above and also including all costs of materials, labor, tools, equipment, and incidentals, and for doing all the work involved, complete in place, shall be included in the Contract **LUMP SUM** unit price bid for **Construction Surveying and Monument Restoration**, and no additional compensation shall be allowed.

SECTION 314 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS

314-4.3 Painted Traffic Striping and Curb and Pavement Markings.

Section 210 and Section 314 of the Standard Specifications for Public Works Construction are hereby replaced with the following:

Removal and replacement of existing Traffic Striping, Pavement Markings, Signing, Delineators and Pavement Markers shall conform to the provisions in Section 82, "Signs and Markers", Section 82-9, "Roadside Signs", Section 84-2, "Traffic Stripes and Pavement Markings", and Section 81-3, "Pavement Markers", of the State of California, Department of Transportation's Standard Specifications, latest edition and the State of California, Department of Transportation's Standard Plans, latest edition (hereinafter referred to as the State Standard Specifications and the State Standard Plans, respectively), where applicable and these Special Provisions.

Paint Traffic Stripes and Pavement Markings.

Painting traffic stripes (traffic lanes) and pavement markings shall conform to the provisions in Section 84-1, "General," and 84-2, "Painted Traffic Stripes and Pavement Markings," of the State Standard Specifications and these Special Provisions.

The CONTRACTOR shall furnish the necessary control points for all striping and markings and shall be responsible for the completeness and accuracy thereof to the satisfaction of the ENGINEER.

MATERIALS - Materials shall conform to the provisions in Section 84 - "Materials," of the State Standard Specifications and these Special Provisions. All traffic striping and pavement markings shall be two coats of paint with glass beads unless otherwise approved by the City Engineer. A minimum of 7 days and a maximum of 14 days shall elapse between application of the first and second coats of paint.

The paint for traffic striping and markings shall be as follows:

- High Performance Water Borne, Rapid Dry, White - PERVO Paint Co. #6000, or approved equal.
- High Performance Water Borne, Rapid Dry, Black - PERVO Paint Co. #6002, or approved equal.
- High Performance Water Borne, Rapid Dry, Yellow - PERVO Paint Co #6001, or approved equal.

All lines, legends, crosswalks, limit lines, and shapes shall be paint.

The paint for concrete curbs shall be the following, or an approved equal:

1. PERVO Paint Co. #6004 Red

All paint shall meet SCAQMD Rule 1113.

Glass beads shall conform to State Specification 8010-004.

All pavement markings shall match City stencils.

Restoration of existing pavement striping and markings, including but not limited to crosswalks, limit lines, legends, and lane delineations, that are disturbed as a result of curb ramp removal and replacement shall be considered incidental to the curb ramp work. The CONTRACTOR shall restore all disturbed striping and markings to match existing conditions or as directed by the ENGINEER. Restoration shall conform to the provisions outlined in this section. All costs associated with removal and restoration of pavement striping and markings shall be included in the bid prices for curb ramp construction.

Measurement and Payment

Payment for Traffic Striping, Markers, and Markings shall be considered as included in the **LUMP SUM** bid for **Remove and Replace Existing Curb Ramp per OCPW Std. Plan 115** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in traffic stripes, and pavement markings, including establishing alignment for stripe and layout work as shown on the plans and as required in the Specifications. Payment shall be made at the Contract lump sum price bid and shall include full compensation for all costs incurred by the Contractor for doing all the work involved as specified herein.

PART 4 EXISTING IMPROVEMENTS
SECTION 400 - PROTECTION AND RESTORATION

400-2 PERMANENT SURVEY MARKERS. [Replace section in its entirety with the following:]

The Contractor will be required to contract for the services of a Land Surveyor or Civil Engineer authorized to perform surveying services licensed in the State of California to perform the following services:

Establish the location of all monuments that are presently visible that will be disturbed as a result of the street resurfacing and reestablish said monuments at the completion of the project. The Surveyor will be required to tie out all existing monuments (only visible monuments will be required to be reset) that will be disturbed in conformance with all applicable state laws prior to the resurfacing operations.

The Surveyor shall prepare and furnish to the City Engineer, prior to any surfacing, a plan or sketch showing the locations of the monuments found and proposed to be preserved. The project may be subdivided into areas that may be submitted individually to allow the Surveyor to stay in front of the Contractor's operations and not impede the Contractor's progress. Upon completion of the resurfacing, the Surveyor shall reestablish all disturbed monuments in conformance with all applicable state laws.

The Licensed Land Surveyor shall file corner record(s) as required by Sections 8772 and 8773, et seq., of the California Business and Professions Code. Corner Records shall be prepared on the form required and in compliance with BPELSG Rule 464 for each monument being preserved. More than one preserved monument may be shown on a Corner Record, if desired by the responsible surveyor. In lieu of the Corner Records, a Record of Survey may be prepared showing all monuments and tie/reference points involved in this project.

All records, either Corner Records or Record of Survey, will be forwarded for checking and recordation to the County of Orange. At the same time these are forwarded to the County, a digital copy of same in Adobe PDF format shall be delivered to the City Engineer. No records will be finally filed/recorded at the County until approved as to form and content by the City Engineer.

For each monument reset, a Corner Record, or Record of Survey, in compliance with state laws and Board Rules shall be prepared and forwarded to the County of Orange for review and filing. At the same time, and every time, the records are submitted to the County, they shall also be transmitted to the City Engineer in digital format for his review and approval. The final filing or recordation shall not be made until the City Engineer indicates his approval. Final payment of the Contract Retention for the project will not be made until all monuments have been reset to the satisfaction of the City, all records have been processed through the County of Orange, and approved and filed in the case of Corner Records, or approved and recorded in the case of a Record of Survey. The City reserves the right to have the monuments and documentation inspected by the City Surveyor for compliance with all State Law, The Subdivision Map Act, and the Professional Land Surveyor's Act. Digital copies in PDF format of all the filed/recorded documents shall be furnished to the City Engineer.

400-3 PAYMENT. [Delete last sentence and replace with the following:]

The cost of all work described in 400-2 and also including all costs of materials, labor, tools, equipment, and incidentals, and for doing all the work involved, complete in place, shall be included in the Contract **LUMP SUM** unit price bid for **Construction Surveying and Monument Restoration**, and no additional compensation shall be allowed.

SECTION 402 – UTILITIES

402-7 LOCATION. [Add the following section]:

The Contractor shall notify the utilities designated in the General Specifications at least 48 hours in advance of excavating around any of their structures.

The existence and locations of utilities shown on the drawings have been determined by a search of the available records as provided by the respective utility owner. The exact locations have not been determined by potholing unless so indicated on the drawings. The Contractor shall determine the exact location of all existing utilities prior to commencing work. **Contractor agrees to be fully responsible for any and all damages which may be caused by his failure to exactly locate and preserve any and all underground utilities, whether shown on the plans or not**. In the event the Contractor encounters underground utilities not shown on the plans, he shall verify the exact location of the utility and immediately notify the Engineer, regardless of whether the unknown utility conflicts with the proposed construction or not. In the event of such a previously unknown conflict, the Contractor shall immediately notify the Engineer as to the extent, if any, of delays or additional costs resulting from said conflict. The Contractor shall perform work and provide necessary materials to disconnect or relocate existing utilities as indicated. Record on record drawings all existing utility termination points before disconnecting.

When uncharted or incorrectly charted underground piping or other utilities and services are encountered during site work operations, notify the applicable utility company immediately to obtain procedure directions. Cooperate with the applicable utility company in maintaining active services in operation.

In the event the Contractor damages an existing utility line, the Contractor shall restore damaged utilities within three (3) working days.

Pursuant to Government Code Section 4215, if any main or trunkline utility facilities that are not indicated in the drawings, plans or specifications and are determined by Contractor to be located on the site of any construction project that is a subject of the contract, the City shall assume the responsibility for timely removal, relocation, or protection of the existing main or trunkline utility facilities. The Contractor will be compensated for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and specifications with reasonable accuracy, and for equipment on the Project necessarily idled during such work. The Contractor will not be assessed liquidated damages for delay in completion of the Project when such delay was caused by the failure of City or the utility owner to provide for removal of relocation of such utility facilities. Nothing herein shall be deemed to require the City to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction Project can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes, on or adjacent to the site of the construction; provided, however, nothing herein shall relieve the City from identifying main or trunklines in the plans or specifications. Nothing herein shall preclude the City from pursuing any appropriate remedy against the utility for delays which are responsibility of the utility. Nothing herein shall be construed to relieve the utility from any

obligation as required either by law or contract to pay the cost of removal or relocation of existing utility facilities. If the Contractor, while performing the contract, discovers utility facilities not identified by the City in the Contract Plans or Specifications, Contractor shall immediately notify the Engineer and utility in writing. The public utility, whether they are the owner, has sole discretion to perform repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price.

PART 7 – STREET LIGHTING AND TRAFFIC SIGNAL SYSTEMS

701 CONSTRUCTION.

SECTION 701.11 – PULL BOXES.

701-11.1 General. [Add the following to this section]:

Existing and damaged pull boxes and covers shall be replaced in-kind (type and size per Standard Plans) as seen in the field. Any discrepancy shall be brought to the attention of the City Engineer for final approval.

701-11.3 Payment. [Add the following to this section]:

Payment for the adjustment of pull boxes shall be included in the Contract unit price per **Remove and Replace Existing Curb Ramp per OCPW Std. Plan 1115** bid items as indicated in the bid schedule. The unit price shall include full compensation for cast in-place pull boxes, saw cutting, existing concrete removal and disposal, all related root pruning if any, all related forming, sub-grade preparation, all related adjacent sprinkler system modifications and adjustments, all replacement asphalt concrete pavement as required to provide room for concrete forms, protection of existing parkway drain pipe that outlet through the existing curb face if any, adjustment of all pull boxes (including the adjustment of conduit sweeps and conductors when conflicting) and adjustment of other utility covers to the new grades, protecting existing improvements within and adjacent to the work, furnishing all labor, materials, tools, equipment and incidentals and for completing all work involved as specified herein, and as shown on the Project Plans and referenced standard plans.

701-17.6 Detectors.

701-17.6.1 General. [Add the following to this Section]:

All existing traffic signal loops to be protected in place. The contractor will notify the City seven days in advance if disturbance of any traffic signal loops is unavoidable. The City will make arrangements to have the loops replaced by others. If the Contractor damages any of the traffic loops, the Contractor must notify the City immediately.

Appendix A – Water Pollution Control Plan Template

WATER POLLUTION CONTROL PROGRAM (WPCP)

for

START HERE…CLICK HERE TO INSERT PROJECT NAME-THEN TAB TO NEXT FIELD

LAGUNA HILLS Contract Number:

INSERT LAGUNA HILLS CONTRACT NUMBER-THEN TAB TO NEXT FIELD.

Prepared for:

Insert Name of Lead Agency-then TAB.
Insert Address 1 and press ENTER to insert Address 2 or TAB to next field.
Insert City, State, ZIP-then TAB.
Insert Resident Engineer's Name-then TAB.
Insert Resident Engineer's Telephone Number-then TAB.

Submitted by:

Insert Contractor's Company Name-then TAB.
Insert Address 1 and press ENTER for Address 2 or TAB to next field.-then TAB.
Insert City, State, ZIP-then TAB.
Insert Telephone-then TAB.
Insert Owner/Representative's Name-then TAB.

Project Site Address

Insert job site address, if any-then TAB.
Insert job site telephone number, if any-then TAB.

Contractor's Water Pollution Control Manager

Insert WPCM's Name-then TAB.
Insert Telephone Number(s)-then TAB.

Contractor's Designated Water Pollution Control Inspector (if different from WPCM)

Insert Inspectors Name-then TAB.
Insert Telephone Number(s)-then TAB.

WPCP Prepared by:

Insert Company Name-then TAB.
Insert Address 1 and press ENTER to insert Address 2 or TAB to next field.
Insert City, State, ZIP-then TAB.
Insert Telephone-then TAB.
Insert Name and Title of Preparer-then TAB.

WPCP Preparation Date

Insert Date

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Attachment G ..... Trained Contractor Personnel Log
INSERT ADDTIONAL ATTACHMENT REFERENCES OR DELETE THIS LINE

Section 10
WPCP Certification and Approval

10.1 Contractor's Certification and Approval by the Resident Engineer

INSTRUCTIONS

- The contractor, authorized and required by the Special Provisions to prepare and implement the WPCP, shall provide and sign the following certification:

REQUIRED TEXT

CONTRACTOR'S CERTIFICATION OF WPCP

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature	Date
Name and Title	Telephone Number

INSTRUCTIONS

- If LAGUNA HILLS is administering the project, then the LAGUNA HILLS Engineer, as the authorized representative of the Department shall provide and sign the following certification upon approval of the WPCP.
- If a Local Agency is administering the project, then both the Local Agency Resident Engineer and the LAGUNA HILLS Oversight Engineer shall provide and sign the following certification upon approval of the WPCP.

Is a Local Agency / Private Entity administering the project?

○ Yes ○ No

REQUIRED TEXT WHEN LAGUNA HILLS IS ADMINISTERING PROJECT

For Use by LAGUNA HILLS Only

LAGUNA HILLS RESIDENT ENGINEER'S APPROVAL OF WPCP

I, and/or personnel acting under my direction and supervision, have reviewed this WPCP and find that it meets the requirements set forth in the Special Provisions, the LAGUNA HILLS SWPPP and WPCP Preparation Manual, and the Standard Specifications Section 7-1.01G - Water Pollution.

LAGUNA HILLS Resident Engineer's Signature	Date of WPCP Approval
LAGUNA HILLS Resident Engineer's Name (printed)	LAGUNA HILLS Resident Engineer's Phone Number

REQUIRED TEXT WHEN LOCAL AGENCY / PRIVATE ENTITY IS ADMINISTERING PROJECT

For Use by Local Agency / Private Entity Only

LOCAL AGENCY / PRIVATE ENTITY RESIDENT ENGINEER'S APPROVAL OF WPCP

I, and/or personnel acting under my direction and supervision, have reviewed this WPCP and find that it meets the requirements set forth in the Special Provisions, the LAGUNA HILLS SWPPP and WPCP Preparation Manual, and the Standard Specifications Section 7-1.01G - Water Pollution.

Resident Engineer's Signature	Date of WPCP Approval
Resident Engineer's Name (printed)	Resident Engineer's Phone Number

For Use by LAGUNA HILLS Only

LAGUNA HILLS OVERSIGHT ENGINEER'S CONCURENCE OF WPCP

I, and/or personnel acting under my direction and supervision, have reviewed this WPCP and concur with the Resident Engineer's findings that it meets the requirements set forth in the Special Provisions, the LAGUNA HILLS SWPPP and WPCP Preparation Manual, and the Standard Specifications Section 7-1.01G - Water Pollution.

LAGUNA HILLS Oversight Engineer's Signature	Date of WPCP Concurrence

LAGUNA HILLS Oversight Engineer's Name	LAGUNA HILLS Oversight Engineer's Phone Number

Section 20
Project Information

INSTRUCTIONS

- Provide narrative text addressing the following topics in a format that can be easily understood by a person who is not familiar with the project.
  - Introduction and Project Description:
    - Provide a brief description of the project.
    - Describe the type(s) of work that will be performed.
    - Provide a brief description of the project location, including descriptive items such as county, route, post mile, city, and street names.
    - Describe proximity to receiving waters to which the project will discharge, including surface waters, drainage channels, and drainage systems.
    - Identify drainage system owners (municipality or agency).
  - Unique Site Features:
    - Provide a brief description of any unique site features (water bodies, wetlands, environmentally sensitive area, endangered or protected species, etc.)
    - Describe significant or high-risk activities that may impact stormwater quality. Include any unique features or activities within or adjacent to water bodies (such as dredging, re-use of aerially deposited lead material, large excavations, or work within a water body).
  - Project Schedule: Provide a written or graphical project schedule. A graphical schedule in the form of an image file can be copied into the form field for the graphical schedule. Alternatively the graphical schedule can be manually included in the document. The schedule shall clearly show how the rainy season relates to soil-disturbing and re-stabilization activities. The schedule only needs to be detailed enough to show major activities sequenced with the implementation of construction site BMPs, including:
    - Project start and finish dates
    - Rainy season dates
    - Mobilization dates
    - Mass clearing and grubbing, roadside clearing dates
    - Major grading and excavation dates
    - Dates for special activities named in other permits, such as Fish and Game
    - Rainy season implementation schedule

- Deployment of temporary soil stabilization BMPs
- Deployment of temporary sediment control BMPs
- Deployment of non-stormwater BMPs
- Deployment of waste management and materials pollution control BMPs
- Paving, sawcutting, and any other pavement related operations
- Planned stockpiling operations
- Dates for other significant long-term operations or activities that may plan non-stormwater discharges such as dewatering, grinding, etc.

- Note: Projects located in the Lake Tahoe, Truckee River, East Fork Carson River, or West Fork Carson River Hydrologic Units, and projects above 5,000 ft in elevation in the portions of Mono County or Inyo County within the Lahontan RWQCB are not allowed to perform removal of vegetation nor disturbance of existing ground surface conditions between October 15 of each year and May 1 of the following year; except when there is an emergency situation that threatens the public health and safety, or when the project is granted a variance by the RWQCB Executive Officer.
  - Pollutant Source Identification:
    - Review the contract documents and associated environmental documents to determine the known site contaminants and list them in this section.

EXAMPLE

1. Introduction and Project Description

The project consists of sound wall construction, shoulder work, and PCC pavement removal and replacement along approximately 1300 feet of highway. The project is located on northbound I-5 in Stockton (San Joaquin County), north from W. March Lane. Project runoff is conveyed approximately 2600 feet south to the Calaveras River via a combination of LAGUNA HILLS-owned roadside ditches and underground drainage facilities. The Calaveras River discharges to the San Joaquin River approximately 1.9 miles downstream from I-5. The total disturbed area is about 0.8 acres.

2. Unique Site Features:

Relative proximity to Calaveras and San Joaquin Rivers.

3. Project Schedule (graphical):

The attached project schedule shows the projected progress of the project and includes implementation of water pollution control items.

4. Potential Pollutant Sources:

The primary construction activities, related materials, and wastes that have the potential to pollute stormwater include:

a) Soil disturbing activities and resulting exposed soil areas, including minor grading along the shoulder and trenching for conduits and sound wall footings.

b) Slurries from mortar mixing and PCC saw-cutting and placement.

c) Solid wastes from PCC demolition and removal, sound-wall construction, and form work

d) Temporary on-site storage of construction materials, including mortar mix, raw landscaping, soil stabilization materials, and treated lumber.

e) General site litter.

f) Equipment operation and maintenance.

REQUIRED TEXT

1. Introduction and Project Description:

2. Unique Site Features:

3. Project Schedule (graphical):

4. Potential Pollutant Sources:

EXAMPLE: GRAPHICAL SCHEDULE

The graphical Water Pollution Control Schedule is provided on the following page.

INSERT GRAPHICAL WATER POLLUTION CONTROL SCHEDULE

Section 30
Pollution Sources and Control Measures

INSTRUCTIONS

BMP SELECTION PROCESS

- BMPs are selected to reduce or eliminate pollutants in stormwater and non-stormwater discharges associated with construction activities. Described below is the sequence of steps that shall be used to identify BMPs to be included in WPCPs.

  Step 1: Incorporate the temporary water pollution control BMPs that are described in:

  - Contract Special Provisions;
  - Contract Plans;
  - Standard Plans; and
  - Standard Specifications.

  If the BMPs required in Step 1 are inadequate to address potential pollutants in stormwater discharges and non-stormwater discharges, then:

  Step 2: Incorporate the temporary water pollution control BMPs using one or more of the LAGUNA HILLS minimum requirements listed in Table 1-1 of the SWPPP/WPCP Preparation Manual.

  Step 3: If the BMPs selected from Steps 1 and 2 are inadequate to address potential pollutants in stormwater discharges and non-stormwater discharges, then incorporate the temporary water pollution control BMPs that are described in Section 4.5 of the SWMP. For reference on these BMPs see the Construction Site Best Management Practices (BMPs) Reference Manual.

- Show the selected BMPs on the WPCDs.
- Complete the BMP implementation tables and descriptions in each of the following sections:

  30.1 Soil Stabilization (Erosion Control) and Sediment Control

  30.2 Construction Site Management

30.1 Soil Stabilization (Erosion Control) and Sediment Control

INSTRUCTIONS

- Use each of the following sections to identify erosion and sediment controls that will be implemented during the project.

  30.1.1 Soil Stabilization Practices

30.1.2 Sediment Control Practices

30.1.3 Sediment Tracking Controls

30.1.4 Wind Erosion Controls

30.1.1 Soil Stabilization BMPs

INSTRUCTIONS

- Soil stabilization consists of source control measures that are designed to prevent soil particles from detaching and becoming suspended in stormwater runoff. Soil stabilization BMPs protect the soil surface by covering and/or binding the soil particles.
- Provide a brief description of soil-disturbing activities, such as clearing and grubbing, grading, excavation, trenching, etc. Show the limits of the soil-disturbed areas on the WPCDs.
- Complete the following BMP implementation table for temporary soil stabilization BMPs.
- Describe the locations and scheduled installations for each selected soil stabilization BMP.
- If the project will not create disturbed soil areas, state as such and check "No" for all BMPs in the soil stabilization selection BMP implementation table and enter "N/A" as the reason not used.

EXAMPLE

The following soil stabilization BMP implementation table indicates the BMPs that shall be implemented to control erosion on the construction site. Implementation and locations of temporary soil stabilization BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

Soil disturbing activities consist of minor grading along the shoulder and trenching for utilities and sound wall footings as shown on WPCD-2. Existing vegetation will be preserved outside the immediate construction zone as shown.

SS-1 Scheduling

SS-2 Preservation of Existing Vegetation

- Clearing and grubbing will be limited to the boundaries of active construction as shown on WPCD-2. Surrounding areas of existing vegetation will be protected by installing ESA fencing around the drip lines of the trees.

SS-5 Soil Binders (Copolymer)

- BMP SS-5 was selected to minimize interference with the final (permanent) erosion control measures (decorative landscaping). Soil binders will be applied to all non-active soil disturbed areas during the rainy season in conformance with the DSA protection requirements in the Stormwater Pollution Prevention Plan/Water Pollution Control Program Preparation Manual.

REQUIRED TEXT

The following soil stabilization BMP implementation table indicates the BMPs that shall be implemented to control erosion on the construction site. Implementation and locations of temporary soil stabilization BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SOIL STABILIZATION BMPs

CONSTRUCTION BMP ID NO (1)	BMP NAME	MINIMUM REQUIRE-MENT (3)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SS-1	Scheduling	✓	☐	☐	☐	
SS-2	Preservation of Property/ Preservation of Existing Vegetation	✓	☐	☐	☐	
SS-3	Temporary Hydraulic Mulch (Bonded Fiber Matrix)	✓(2)	☐	☐	☐	
	Temporary Hydraulic Mulch (Polymer Stabilized Fiber Matrix)	✓(2)	☐	☐	☐	
SS-4	Temporary Erosion Control (With Temporary Seeding)	✓(2)	☐	☐	☐	
SS-5	Temporary Soil Stabilizer	✓(2)	☐	☐	☐	
SS-6	Temporary Erosion Control (Straw Mulch with Stabilizing Emulsion)	✓(2)	☐	☐	☐	
SS-7	Temporary Erosion Control Blanket (On Slope)	✓(2)	☐	☐	☐	
	Temporary Erosion Control Blanket (In swale or ditch)		☐	☐	☐	
SS-7	Temporary Cover (Plastic Covers)	✓(2)	☐	☐	☐	
SS-8	Temporary Mulch (Wood)		☐	☐	☐	
SS-9	Earth Dikes / Drainage Swales & Lined Swales		☐	☐	☐	
SS-10	Outlet Protection / Velocity Dissipation Devices		☐	☐	☐	
SS-11	Slope Drains		☐	☐	☐	

CONSTRUCTION BMP ID NO [1]	BMP NAME	MINIMUM REQUIRE-MENT [3]	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SS-12	Streambank Stabilization		☐	☐	☐	
ALTERNATIVE SOIL STABILIZATION BMPs USED[4] ○ Yes ◉ No						**IF USED, STATE REASON**

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing LAGUNA HILLS documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] The Contractor shall ensure implementation of one of the two measures listed or a combination thereof to achieve and maintain the contract's rainy and non-rainy season requirements.
[3] Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the Contractor and approved by the Resident Engineer.
[4] Use of alternative BMPs will require written approval by the Resident Engineer.

INSERT NARRATIVE DESCRIBING SELECTED SOIL STABILIZATION BMPs

30.1.2 Sediment Control BMPs

INSTRUCTIONS

- Sediment controls are used to complement and enhance the selected soil stabilization measures. Sediment controls are designed to intercept runoff and capture suspended soil particles through a settlement or filtration process.
- Provide a brief description of soil-disturbed areas that will necessitate sediment control BMPs. References to the WPCDs and/or Section 30.1.1 are often sufficient.
- Complete the following BMP implementation table for temporary sediment control BMPs. All listed BMPs shall be considered for the project.
- Describe the locations and scheduled installations for each selected sediment control BMP.
- Show selected BMPs on the WPCDs.

EXAMPLE

The following sediment control BMP implementation table indicates the BMPs that shall be implemented to control sediment on the construction site. Implementation and locations of temporary sediment control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

Temporary fiber rolls will be used at the toe of slopes and as perimeter sediment controls. According to the contract special provisions, sediment controls for this project are required during the rainy season - continuously on non-active DSAs and before rain on active DSAs. Deployment locations will be as follows:

SC-5 Temporary Fiber Rolls

- Fiber rolls will be deployed along the downstream (southern) construction site perimeter as shown on WPCD-2. Once the drainage channel is constructed and lined, fiber rolls will be extended north, along each side of the channel. See SC-4, Temporary Check Dam, below.

SC-4 Temporary Check Dam

- Concentrated flows will be conveyed by the drainage channel that runs north-south, adjacent to the shoulder. During channel construction, sediment control will be provided by gravel bag check dams, spaced at 30 feet. Once the channel is lined, temporary fiber rolls will be installed along the channel banks to prevent sediment from entering the channel.

REQUIRED TEXT

The following sediment control BMP implementation table indicates the BMPs that shall be implemented to control sediment on the construction site. Implementation and locations of temporary sediment control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

Temporary sediment control

CONSTRUCTION BMP ID NO[1]	BMP NAME	MINIMUM REQUIRE-MENT [3]	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SC-1	Temporary Silt Fence	✓[2]	☐	☐	☐	
SC-2	Temporary Sediment Basin		☐	☐	☐	
SC-4	Temporary Check Dam		☐	☐	☐	
SC-5	Temporary Fiber Rolls	✓[2]	☐	☐	☐	
SC-6	Temporary Gravel Bag Berm		☐	☐	☐	
SC-7	Street Sweeping	✓	☐	☐	☐	
SC-8	Temporary Sandbags		☐	☐	☐	
SC-9	Temporary Straw Bale Barrier		☐	☐	☐	
SC-10	Temporary Drain Inlet Protection	✓	☐	☐	☐	
ALTERNATIVE SEDIMENT CONTROL BMPs USED[4] ○ Yes ◉ No						**IF USED, STATE REASON**

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing LAGUNA HILLS documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] The Contractor shall ensure implementation of one of the two measures listed or a combination thereof to achieve and maintain the contract's rainy and non-rainy season requirements.
[3] Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the Contractor and approved by the Resident Engineer.
[4] Use of alternative BMPs will require written approval by the Resident Engineer.

INSERT NARRATIVE DESCRIBING TEMPORARY SEDIMENT CONTROL BMPs

30.1.3 Tracking Control BMPs

INSTRUCTIONS

- Refer to the following BMP implementation table for sediment tracking control BMPs. If a particular BMP will not be used or is not applicable enter a brief reason.
- Tracking controls shall be considered and implemented year round and throughout the duration of the project. Show selected sediment tracking control BMPs on the WPCDs in Attachment A.

REQUIRED TEXT

The following tracking control BMP implementation table indicates the BMPs that shall be implemented to reduce sediment tracking from the construction site onto private or public roads. Implementation and locations of tracking control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY TRACKING CONTROL BMPs

CONSTRUCTION BMP ID NO(1)	BMP NAME	MINIMUM REQUIRE-MENT	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SC-7	Street Sweeping		☐	☐	☐	
TC-1	Temporary Construction Entrance		☐	☐	☐	
TC-2	Stabilized Construction Roadway		☐	☐	☐	
TC-3	Temporary Entrance / Outlet Tire Wash		☐	☐	☐	
ALTERNATIVE TRACKING CONTROL BMPs USED(2) ○ Yes ○ No						**IF USED, STATE REASON**

Notes:
(1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing LAGUNA HILLS documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
(2) Use of alternative BMPs will require written approval by the Resident Engineer.

INSERT NARRATIVE DESCRIBING TRACKING CONTROL BMPs

30.1.4 Wind Erosion Control BMPs

INSTRUCTIONS

- Refer to the following BMP implementation table for wind erosion control BMPs. If a particular BMP will not be used or is not applicable enter a brief reason.
- Provide a narrative description of wind erosion control BMPs Give a general approach on how wind erosion control BMPs will be implemented on the project to control dust during construction operations, including stockpile operations at all times.
- If the project will not create disturbed soil areas, indicate this in the narrative description.

REQUIRED TEXT

The following wind erosion control BMP implementation table indicates the BMPs that shall be implemented to control wind erosion on the construction site. Implementation and locations of wind erosion control BMPs are shown on the WPCDs in Attachment A and/or described in this section. The BMP working details can be found in Attachment A. The following list of BMPs and narrative explain how the selected BMPs shall be incorporated into the project.

TEMPORARY WIND EROSION CONTROL

CONSTRUCTION BMP ID NO(1)	BMP NAME	MINIMUM REQUIRE-MENT(2)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
WE-1	Wind Erosion Control	✓	☐	☐	☐	
TC-1	Temporary Construction Entrance		☐	☐	☐	
TC-2	Stabilized Construction Roadway		☐	☐	☐	
-----	All Soil Stabilization Measures included in Section 500.3.4		☐	☐	☐	
ALTERNATIVE WIND EROSION CONTROL BMPs USED(3 ○ **Yes** ○ **No**						**IF USED, STATE REASON**

Notes:
(1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing LAGUNA HILLS documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
(2) Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the Contractor and approved by the Resident Engineer.
(3) Use of alternative BMPs will require written approval by the Resident Engineer.

INSERT NARRATIVE DESCRIBING WIND EROSION CONTROL BMPs

30.2 Construction Site Management

30.2.1 Non-Stormwater Management BMPs

INSTRUCTIONS

- Non-stormwater discharges which are not authorized under the LAGUNA HILLS Permit or authorized under a separate NPDES permit are prohibited. Examples of prohibited discharges common to construction activities include:
  - Vehicle and equipment wash water, including concrete washout water.
  - Slurries from concrete cutting and coring operations or AC grinding operations.
  - Slurries from concrete or mortar mixing operations.
  - Blast residue from high-pressure washing of structures or surfaces.
  - Wash water from cleaning painting equipment.
  - Runoff from dust control applications of water or dust palliatives.
  - Sanitary and septic wastes.
- List all activities that have the potential to produce non-stormwater discharges. (Consider dewatering operations and any construction activity that requires water use.) Discuss planned dewatering operations with the Resident Engineer to determine possible requirement for permits and/or treatment. Discuss how mobile operations, such as maintenance and fueling for large or stationary equipment, will be addressed.
- Use the following BMP implementation table to select BMPs as necessary to contain, remove, and dispose potential non-stormwater discharges.
- Describe the locations and scheduled installations for each selected Non-Stormwater Management BMPs.

REQUIRED TEXT

The following BMP implementation table indicates the BMPs that have been selected to control non-stormwater pollution on the construction site. Implementation and locations of non-stormwater control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details that will be adhered to are found in Attachment A of this WPCP.

CONSTRUCTION SITE MANAGEMENT

NON-STORM WATER MANAGEMENT BMPS

BMP No.	BMP	MINIMUM REQUIREMENT	CHECK IF CONTRACT REQUIREMENT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
NS-1	Water Conservation Practices					
NS-2	Dewatering Operations					
NS-3	Paving and Grinding Operations					
NS-4	Temporary Stream Crossing					
NS-5	Clear Water Diversion					
NS-6	Illicit Discharge / Illegal Dumping Reporting					
NS-7	Potable Water / Irrigation					
Vehicle and Equipment Operations						
NS-8	Vehicle and Equipment Cleaning					
NS-9	Vehicle and Equipment Fueling					
NS-10	Vehicle and Equipment Maintenance					

INSERT NARRATIVE DESCRIBING NON-STORM WATER MANAGEMENT POLLUTION CONTROL BMPs

30.2.2 Waste Management and Materials Pollution Control BMPs

INSTRUCTIONS

- Waste management consists of implementing procedural and structural BMPs for collecting, handling, storing and disposing of wastes generated by a construction project to prevent the release of waste materials into stormwater discharges. Wastes are going to be generated during construction; however, the methods in which the wastes are collected, stored, and removed will determine the success of the waste management activities. Construction site wastes can range from residues collected from non-stormwater discharges (i.e. paint removal) to general site litter and debris (i.e. empty marker paint cans).

- Material pollution control (materials handling) consist of implementing procedural and structural BMPs for handling, storing and using construction materials to prevent the release of those materials into stormwater discharges. The amount and type of construction materials to be utilized at the site will be dependent upon the type of construction and the length of the construction period. The materials may be used continuously, such as fuel for vehicles and equipment, or the materials may be used for a discrete period, such as fertilizer for landscaping.

- Waste management and materials pollution control BMPs must be implemented to minimize stormwater contact with construction materials, wastes and service areas, and to prevent materials and wastes from being discharged off-site.

- Review project activities to identify likely construction materials and wastes. Identify materials and wastes with special handling or disposal requirements, such as lead contaminated soils. List anticipated materials and wastes below.

- Based on the listed materials and wastes, use the following materials handling and waste management BMP consideration checklist to select appropriate BMPs.

- Describe the locations and scheduled installations for each selected waste management and materials pollution control BMPs. For Solid Waste Management WM-5, a list of waste disposal facilities and the type of waste to be disposed at each facility is provided.

REQUIRED TEXT

The following BMP implementation table indicates the BMPs that have been selected to control construction site wastes and materials. Implementation and locations of materials handling and waste management BMPs are shown on the WPCDs in Attachment A. The BMP working details that will be adhered to are found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

Waste Management and Materials Pollution Control BMPs

BMP No.	BMP	MINIMUM REQUIREMENT	CHECK IF CONTRACT REQUIREMENT	CHECK IF USED	CHECK IF NOT USED	IF NOT USED, STATE REASON
WM-1	Material Delivery and Storage					
WM-2	Material Use					
WM-3	Asphalt Concrete Stockpiles					
WM-4	Spill Prevention and Control					
WM-5	Solid Waste Management					
WM-6	Hazardous Waste Management					
WM-7	Contaminated Soil Management					
WM-8	Concrete Waste Management					
WM-9	Sanitary/Septic Waste Management					
WM-10	Liquid Waste Management					

INSERT NARRATIVE DESCRIBING WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs

30.3 Water Pollution Control Drawings (WPCDs)

INSTRUCTIONS

- The contractor shall include WPCDs in the WPCP to show the locations, applications, and deployment of the BMPs checked in the preceding sections.
- The WPCDs shall include one or more drawings at a scale sufficient to clearly show on-site drainage patterns and the location of erosion and sediment control BMPs. The WPCDs shall be no smaller than the "reduced plans" (approximately 11" x 17") issued by LAGUNA HILLS. A sample WPCD can be referenced in Attachment A of Appendix B of the "SWPPP and WPCP Preparation Manual."
- The WPCDs shall include:
  - Detail sheets showing construction details for the BMPs that shall be used.
  - Location sheets, usually modified layout, grading, stage construction, and/or drainage sheets, showing the locations of BMPs that will be used. Delineation of BMPs to be implemented during project construction will be in the form of construction notes and/or symbols.

REQUIRED TEXT

The WPCDs are included as Attachment A to this Water Pollution Control Program.

30.4 Construction BMP Maintenance, Inspection, and Repair

INSTRUCTIONS

- A program for the regular inspection, maintenance, and repair of BMPs shall be included in the WPCP in Attachment B. The contractor's attention is directed to the Contract Specifications and Special Provisions for requirements for maintenance and inspection of BMPs.
- Appendix B, Attachment B of the "SWPPP and WPCP Preparation Manual", shows a sample Maintenance, Inspection and Repair of Construction Site BMPs form.
- At a minimum, the contractor shall inspect the site before and after storm events, and at 24-hour intervals during extended storms. The Contract Special Provisions may require additional inspections.
- The results of the inspection and assessment shall be recorded on the Construction Site Inspection Checklist included in Appendix B, Attachment C to the "SWPPP and WPCP Preparation Manual," and included as Attachment C of this WPCP.
- A copy of each completed Construction Site Inspection Checklist shall be provided to the Resident Engineer within 24-hours of an inspection, and a copy included in the on-site WPCP.
- A tracking or follow-up procedure must follow any inspection that identifies deficiencies in BMPs.

REQUIRED TEXT

A completed Inspection, Maintenance, and Repair Program shall be provided in Attachment B of the WPCP.

Site inspections shall be conducted by the Contractor's WPCM or other LAGUNA HILLS approved 24-hour trained staff at the following minimum frequencies:

- Prior to a forecast storm.
- After a rain event that causes runoff from the construction site.
- At 24-hour intervals during extended rain events.
- Daily inspections within the Lake Tahoe Hydrologic Unit.
- Weekly during the rainy season.
- Every 2 weeks during the non-rainy season; and
- At any other time(s) or intervals of time specified in the Contract Special Provisions.

Completed inspection checklists (Attachment C) will be submitted to the Resident Engineer within 24 hours of inspection. Copies of the completed checklists will be kept with the WPCP. A tracking or follow-up procedure shall follow any inspection that identifies deficiencies in BMPs.

30.5 Training

INSTRUCTIONS

- Individuals responsible for WPCP preparation, implementation, and permit compliance are required to be trained, and the WPCP shall document all training. This includes those personnel responsible for installation, inspection, maintenance, and repair of BMPs. Describe the types of training that the contractor's inspection, maintenance, and repair personnel have received or will receive that are directly related to stormwater pollution prevention.
- Training may be both formal and informal.
- Formal stormwater pollution prevention or erosion and sediment control training sessions may include certification as a Certified Professional in Erosion and Sediment Control (CPESC); workshops offered by the SWRCB, RWQCB, Community College or University of California Extension; or other locally recognized agencies or professional organizations such as the International Erosion Control Association (IECA), Association of Bay Area Governments (ABAG), Association of General Contractors (AGC), etc. Contractors are encouraged to contact the RWQCB or the SWRCB to inquire about availability of training.
- A listing of training organizations, subject matter and classes are located at: http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.html
- The Contractor's WPCM and the WPCP preparer shall have a minimum of 24 hours (3 days) of formal stormwater pollution prevention training.
- Onsite stormwater pollution prevention training shall be conducted on an ongoing basis.
- Document informal stormwater training using the sample training log sheet provided as Attachment G.

- Document formal stormwater training by providing a list of classes and copies of class completion documentation. Documentation shall be submitted to the Resident Engineer within 24 hours of completion of training.
- Training records shall be updated, documented and reported in the WPCP quarterly.

REQUIRED TEXT

The Water Pollution Control Manager (WPCM) assigned to this project is:

Insert WPCM's Name-then TAB

Insert Telephone Number(s)-then TAB

Insert Contractor's Company Name-then TAB

Insert Address 1 then press ENTER to insert Address 2 or TAB to next field

Insert City, State, Zip-then TAB

The WPCM shall have primary responsibility and significant authority for the implementation, maintenance, inspection and amendments to the approved WPCP. The WPCM will be available at all times throughout duration of the project. Duties of the Contractor's WPCM include but are not limited to:

- Ensuring full compliance with the WPCP and the Permit; and
- Implementing all elements of the WPCP.

The WPCM shall have the authority to mobilize crews in order to make immediate repairs to the water pollution control measures.

The training log showing formal and informal training of various personnel is shown in Attachment G. A copy of all training certificate(s) (e.g., LAGUNA HILLS 24 Hour Training Class, etc.) for the WPCM and the WPCP Preparer are included in Attachment G. Training records shall be updated, documented and reported in the WPCP quarterly. Documentation of new training shall be submitted to the Resident Engineer within 24-hours of training.

INSERT HERE ANY ADDTIONAL TEXT REGARDING TRAINING OF PERSONNEL.

This WPCP was prepared by INSERT COMPANY, NAME AND PROFESSIONAL REGISTRATION OR OTHER QUALIFICATIONS (INCLUDING INFORMATION REGARDING OTHER TRAINING COURSES, SUCH AS LAGUNA HILLS SWPPP PREPARATION TRAINING) OF PERSON THAT PREPARED THE WPCP.

Section 40
Amendments

INSTRUCTIONS

- The WPCP shall be amended whenever there is a change in construction or operations that may cause the discharge of significant quantities of pollutants to surface waters, ground waters, municipal storm drain systems, or when deemed necessary by the Resident Engineer. All WPCP amendments shall be documented in letter format and include revised WPCD sheets, as appropriate. WPCP amendments shall be certified by the contractor and require approval by the LAGUNA HILLS or Local Agency / Private Entity Resident Engineer (and LAGUNA HILLS Oversight Engineer if applicable). Approved amendments shall be attached to the Contractor's on-site WPCP in Attachment D.
- The following items will be included in the amendment, as appropriate:
  - Discuss who requested the amendment.
  - Describe location of proposed change.
  - Describe reason for change.
  - Describe the original BMP proposed, if any.
  - Describe the new BMP proposed.
  - Include any revised WPCDs for detail or location changes.
  - Include a copy of the Amendment Log in Attachment D.
- The certification form shall be included in Attachment D and shall be signed by the contractor and Resident Engineer (and Oversight Engineer if applicable) for each amendment. The signed forms shall be included with the Amendment.
- If LAGUNA HILLS is administering the project, then the LAGUNA HILLS Resident Engineer, as the authorized representative of the Department shall provide and sign the following certification.
- If a Local Agency / Private Entity is administering the project, then the Local Agency / Private Entity Resident Engineer shall sign and provide the certification form to the LAGUNA HILLS Oversight Engineer for approval.
- The Amendment shall be documented in the following Amendment Log Table. Enter the Amendment number, date, brief description, and name of the person who prepared the Amendment in the table. Include a copy of the Amendment Log in Attachment D.

REQUIRED TEXT

The WPCP shall be amended whenever there is a change in construction or operations that may cause the discharge of significant quantities of pollutants to surface waters, ground waters, municipal storm drain systems, or when deemed necessary by the Resident Engineer. All WPCP amendments shall be documented in letter format and include revised WPCD sheets, as appropriate. WPCP

amendments shall be certified by the contractor and require approval by the LAGUNA HILLS or Local Agency / Private Entity Resident Engineer (and LAGUNA HILLS Oversight Engineer if applicable). Approved amendments and log shall be attached to the Contractor's on-site WPCP in Attachment D.

Project Name: **START HERE…CLICK HERE TO INSERT PROJECT NAME-THEN TAB TO NEXT FIELD**

LAGUNA HILLS Contract Number: **INSERT LAGUNA HILLS CONTRACT NUMBER-THEN TAB TO NEXT FIELD.**

Amendment No.	Date	Brief Description of Amendment	Prepared By

Section 50
Reporting

50.1 Discharge Reporting

INSTRUCTIONS

- Discharges will be reported in writing to the Resident Engineer verbally upon discovery and in writing within 7 days (3 days for Districts 7 and 11) of occurrence or as required in the Special Provisions. A Notice of Discharge form for reporting discharges shall be inlcuded in Attachment E. A Discharge Reporting Log shall be included in Attachment F.

- Note: USEPA has issued regulations that define Reportable Quantity (RQ) levels for oil and hazardous substances. These regulations are found in the Code of Federal Regulations at 40 CFR Part 110, Part 117, or Part 302.

REQUIRED TEXT

If a discharge occurs or if the project receives a written notice or order from any regulatory agency, the contractor will immediately notify the Engineer and will file a written report to the Resident Engineer within 7 days (3 days for Districts 7 and 11) of the discharge event, notice, or order. Corrective measures will be implemented immediately following the discharge, notice or order. A Notice of Discharge form is provided in Attachment E. All discharges shall be documented on a Discharge Reporting Log in Attachment F.

The report to the Resident Engineer will contain the following items:

- The date, time, location, nature of operation, and type of discharge, including the cause or nature of the notice or order.
- The BMPs deployed before the discharge event, or prior to receiving notice or order.
- The date of deployment and type of BMPs deployed after the discharge event, or after receiving the notice or order, including additional BMPs installed or planned to reduce or prevent re-occurrence.
- An implementation and maintenance schedule for any affected BMPs.

Discharges requiring reporting include:

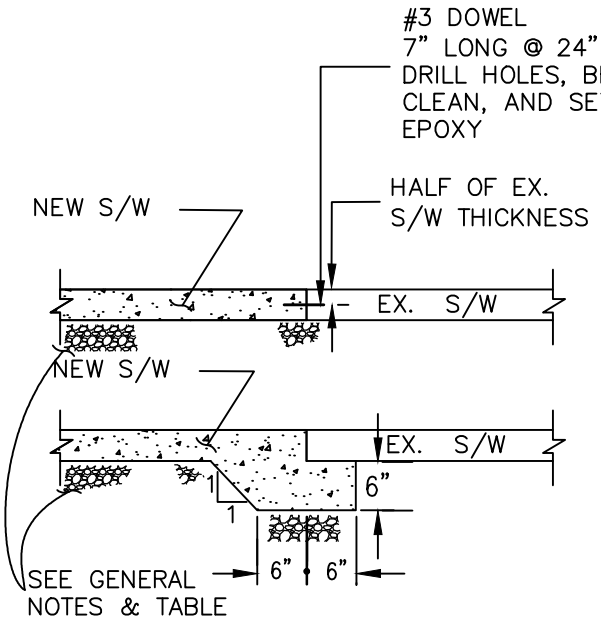
- Stormwater from a DSA discharged to a waterway without treatment by a temporary construction BMP.
- Non-stormwater, except conditionally exempted discharges, discharged to a waterway or a storm drain system, without treatment by an approved control measure (BMP).
- Stormwater discharged to a waterway or a storm drain system where the control measures (BMPs) have been overwhelmed or not properly maintained or installed.
- Discharge of hazardous substances above the reportable quantities in 40 CFR 117.3 or 302.4.

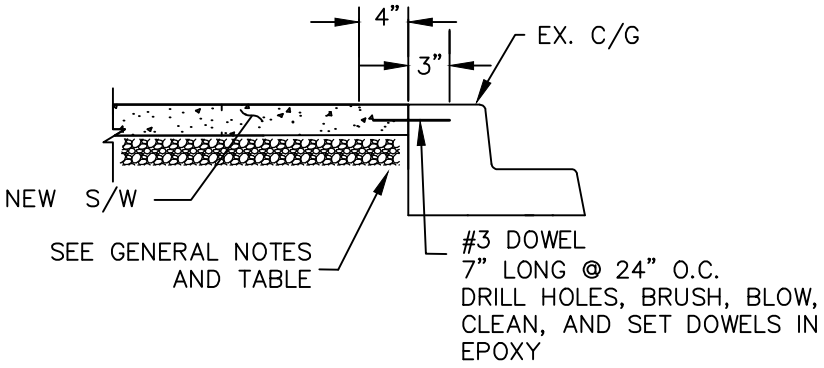
- Stormwater runoff containing hazardous substances from spills discharged to a waterway or storm drain system.
- Discharges that may endanger health or the environment.
- Other discharge reporting as directed by the Resident Engineer.

Appendix B – Applicable Standard Plans

GENERAL NOTES

1. SP1204 SHALL BE USED FOR COUNTY PROJECTS, WHEN REQUIRED BY THE ENGINEER OR GEOTECHNICAL ENGINEER OR IN ABSENCE OF PROJECT–SPECIFIC GEOTECHNICAL RECOMENDATIONS.
2. THE EXPANSION INDEX TEST FOR SUBGRADE SOILS SHALL BE DETERMINED BY ASTM D4829 TEST METHOD.
3. SEE TABLE 1204–1 ON SHEET 3 FOR SUBGRADE PREPARATION, AGGREGATE BASE, PCC SIDEWALK THICKNESS, REINFORCEMENT, THICKENED EDGE, DOWELS, AND WEAKENED PLANE JOINT SPACING.
4. STEEL REINFORCEMENT SHALL BE #3 BARS GRADE 40.
5. DOWELS SHALL BE 7" LONG #3 BARS GRADE 40.
6. PROVIDE THE DOWEL JOINT AT THE EXPANSION JOINT FOR NEW SIDEWALK AND CURB & GUTTER.
7. THE FOLLOWING STANDARDS SHALL BE USED WHERE EXPANSION INDEX > 20, UNLESS SUPERSEDED BY THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.





NEW SIDEWALK TO EXISTING SIDEWALK

1. IF EXISTING SIDEWALK IS LESS THAN 4" THICK, USE 6" DEEP X 12" WIDE PCC KEY WITHOUT DOWEL CONNECTION.
2. IF THE EXISTING SIDEWALK IS 4" THICK OR GREATER, USE #3 DOWEL CONNECTION.

NEW SIDEWALK TO EXISTING CURB

1. WHERE NEW DRIVEWAY DEPRESSION IS ADDED, REPLACE EX. CURB & GUTTER BETWEEN THE NEAREST JOINTS & POUR CURB & GUTTER MONOLITHICALLY.
2. DAMAGED CURB & GUTTER REPLACEMENT SHALL BE MONOLITHIC.

ABBREVIATIONS:

EX. – EXISTING
S/W – SIDEWALK
F/C – FACE OF CURB
L/G – LIP OF GUTTER
C/G – CURB & GUTTER
CMB – CRUSHED MISCELLANEOUS BASE
CAB – CRUSHED AGGREGATE BASE

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

SIDEWALK ON EXPANSIVE SOILS

STD. PLAN

1204

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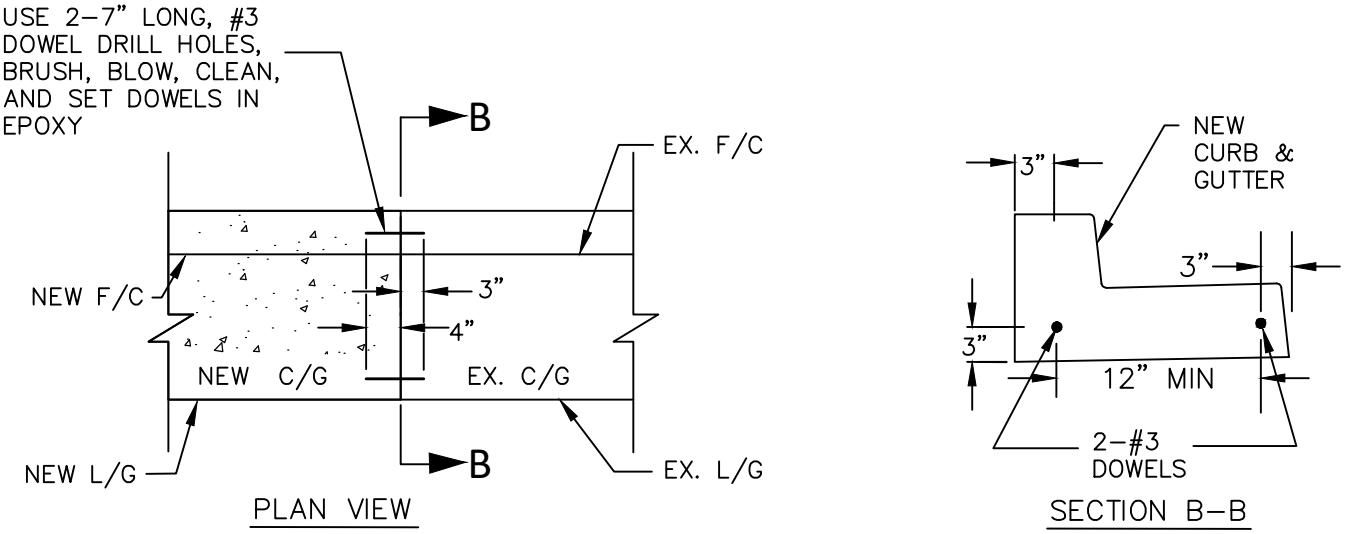
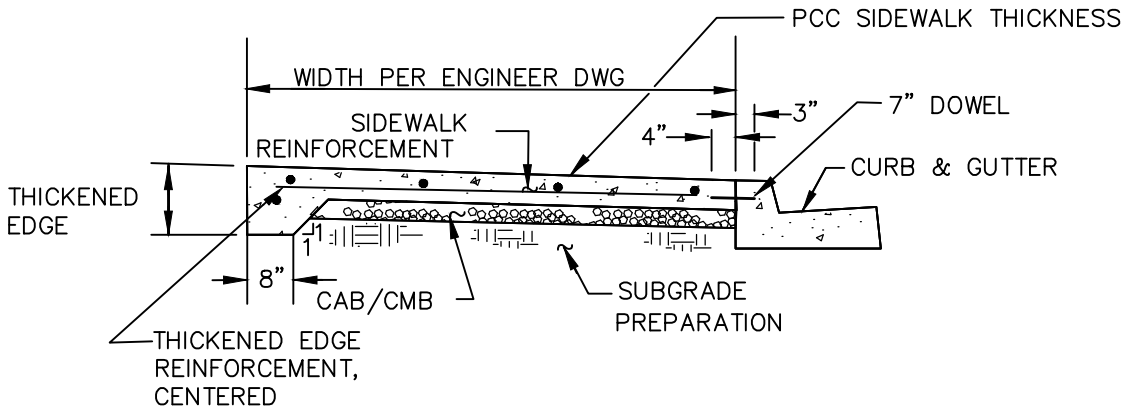
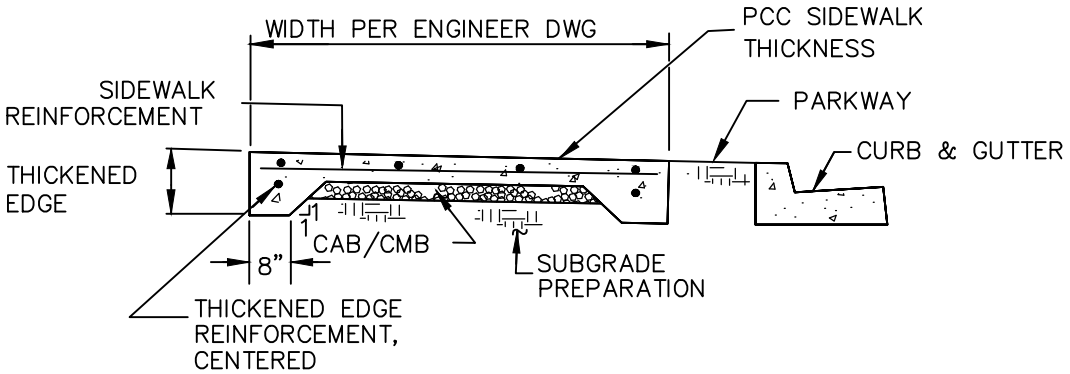


NEW CURB & GUTTER TO EXISTING CURB & GUTTER



NEW CURB–ADJACENT SIDEWALK AT NEW OR EXISTING CURB

SEE TABLE 1204–1 ON SHEET 3



NEW NON–CURB–ADJACENT SIDEWALK AT NEW OR EXISTING CURB

SEE TABLE 1204–1 ON SHEET 3

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

SIDEWALK ON EXPANSIVE SOILS

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Approved Khalid Bazmi, County Engineer

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SIDEWALK ON EXPANSIVE SOILS

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TABLE 1204-1 Sidewalks on Expansive Soils

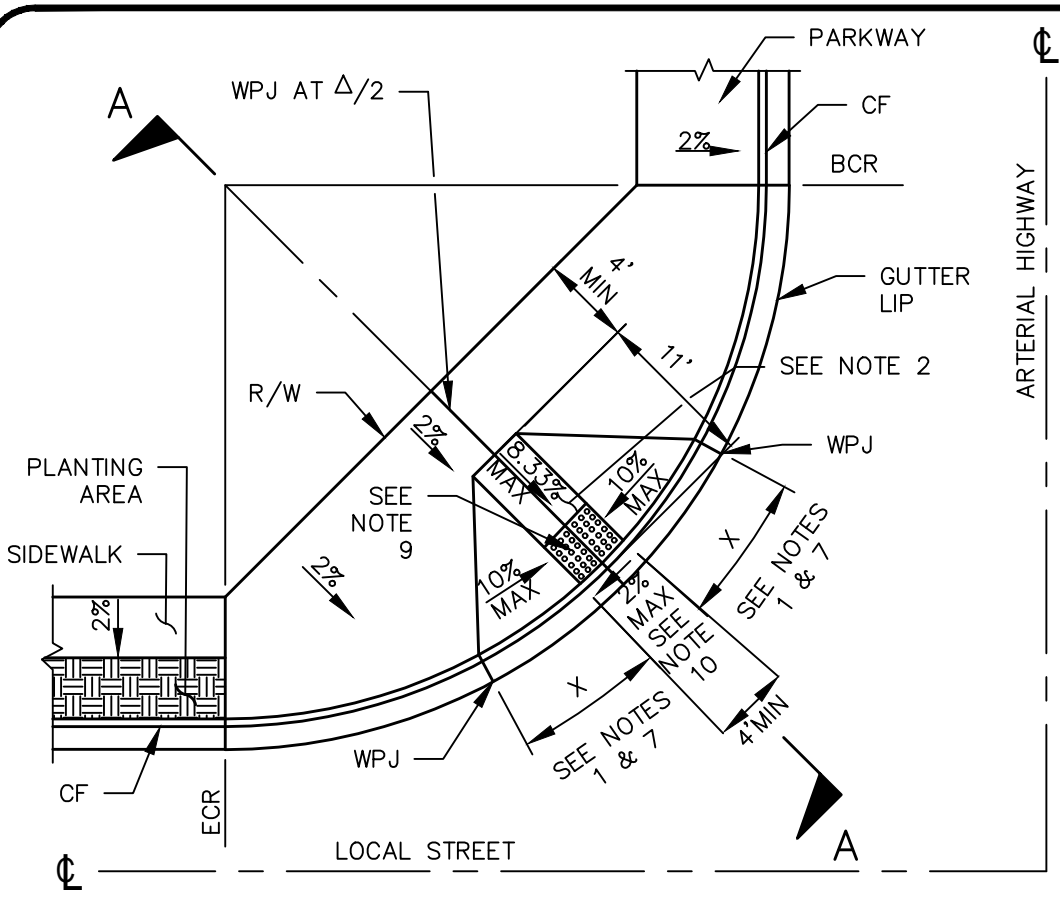
Subgrade Preparation, Aggregate Base, Sidewalk Thickness, Reinforcement, Thickened Edges, Dowels and Weakened Plane Joint Spacing

Non-Vehicular PCC Sidewalks, Width 6 Feet or Less

E.I. per ASTM D4829	Expansion Potential	Subgrade Prep, Min % over Optimum Moisture	Min Depth of Subgrade Prep, Inches	Min Depth of CAB or CMB under PCC, Inches	Minimum Sidewalk Thickness, Inches	Sidewalk Reinforcement, both directions	Thickened Edge	Thickened Edge Reinforcement	Doweling Into Adjacent Curbs & Flatwork	Weakened Plane Joint Spacing, feet
0 - 20	Very Low	N/A	N/A	None	4"	None	None	N/A	None	6'
21 - 50	Low	2%	12"	None	4"	None	None	N/A	7" long #3 Bar @ 24"	6'
51 - 90	Medium	3%	12"	2"	4"	None	None	N/A	7" long #3 Bar @ 24"	6'
91 - 130	High	5%	12"	2"	4"	None	None	N/A	7" long #3 Bar @ 24"	5'
>130	Very High	5%	18"	2"	4"	None	None	N/A	7" long #3 Bar @ 24"	5'

Non-Vehicular PCC Sidewalks, Width Greater than 6 Feet

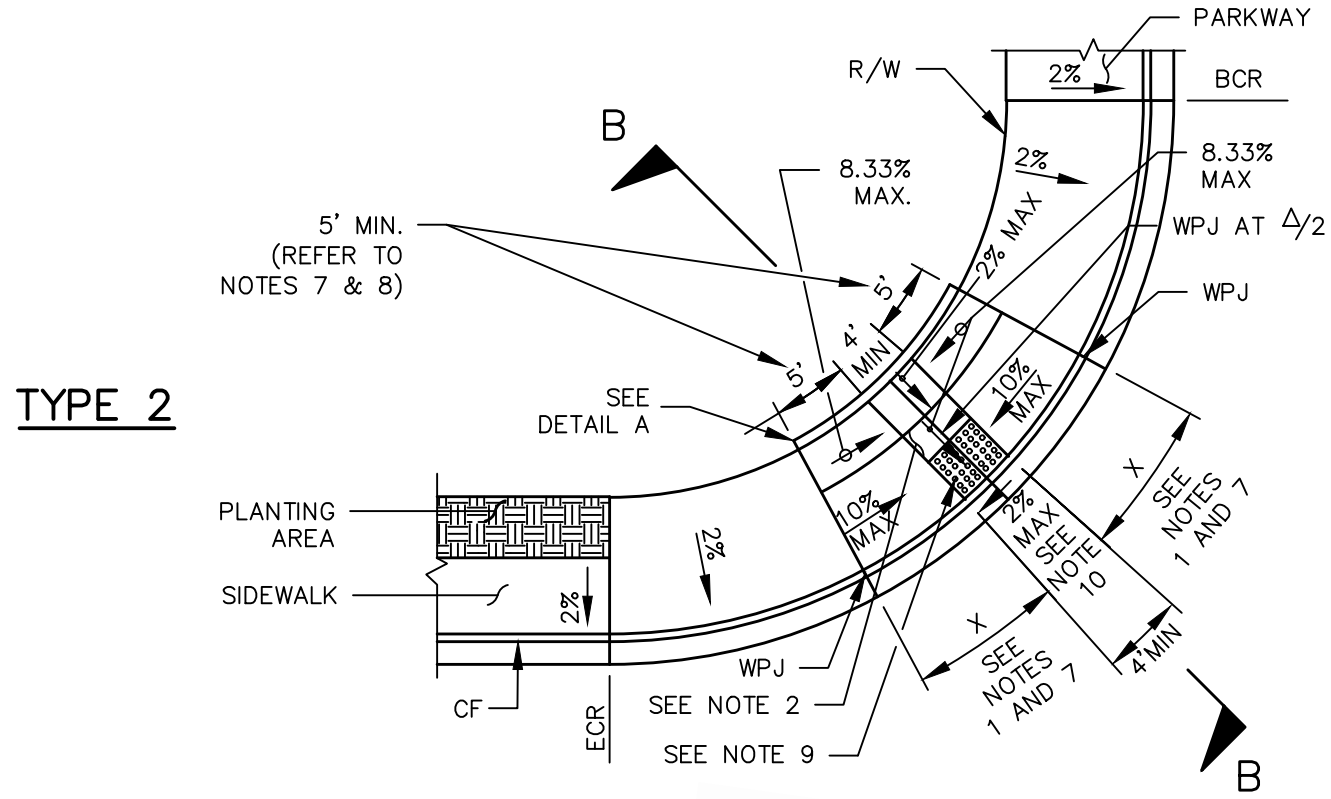
E.I. per ASTM D4829	Expansion Potential	Subgrade Prep, Min % over Optimum Moisture	Min Depth of Subgrade Prep, Inches	Min Depth of CAB or CMB under PCC, Inches	Minimum Sidewalk Thickness, Inches	Sidewalk Reinforcement	Thickened Edge, Inches	Thickened Edge Reinforcement	Doweling Into Adjacent Curbs & Flatwork	Weakened Plane Joint Spacing, feet
0 - 20	Very Low	N/A	N/A	None	4"	None	N/A	N/A	None	8'
21 - 50	Low	2%	12"	None	4"	#3 Bars @ 24" both ways	10"	1- #3 Bar Longitudinal	7" long #3 Bar @ 24"	8'
51 - 90	Medium	3%	12"	2"	5"	#3 Bars @ 24" both ways	10"	1- #3 Bar Longitudinal	7" long #3 Bar @ 24"	8'
91 - 130	High	5%	12"	2"	5"	#3 Bars @ 24" both ways	12"	1- #3 Bar Longitudinal	7" long #3 Bar @ 24"	5'
>130	Very High	5%	18"	2"	5"	#3 Bars @ 24" both ways	12"	1- #3 Bar Longitudinal	7" long #3 Bar @ 24"	5'



TYPE 1

NOTE:

ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.



TYPE 2

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Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

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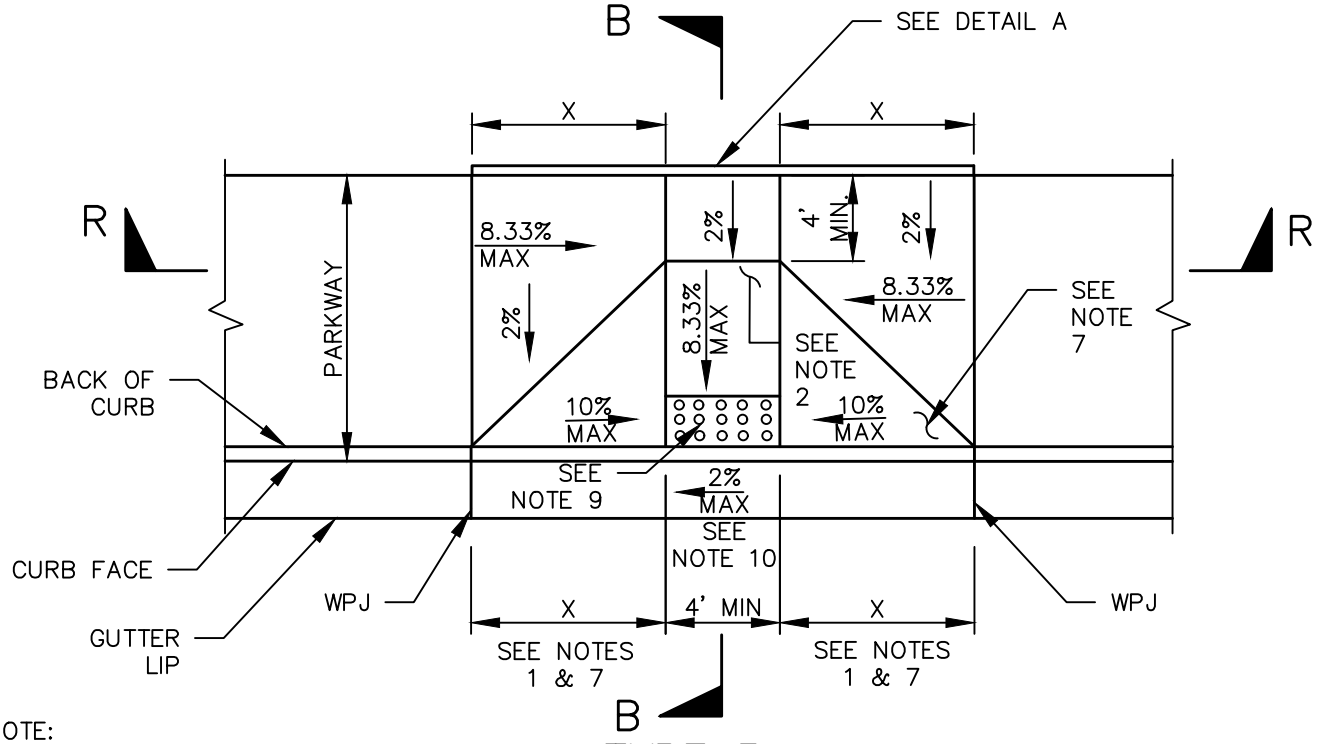
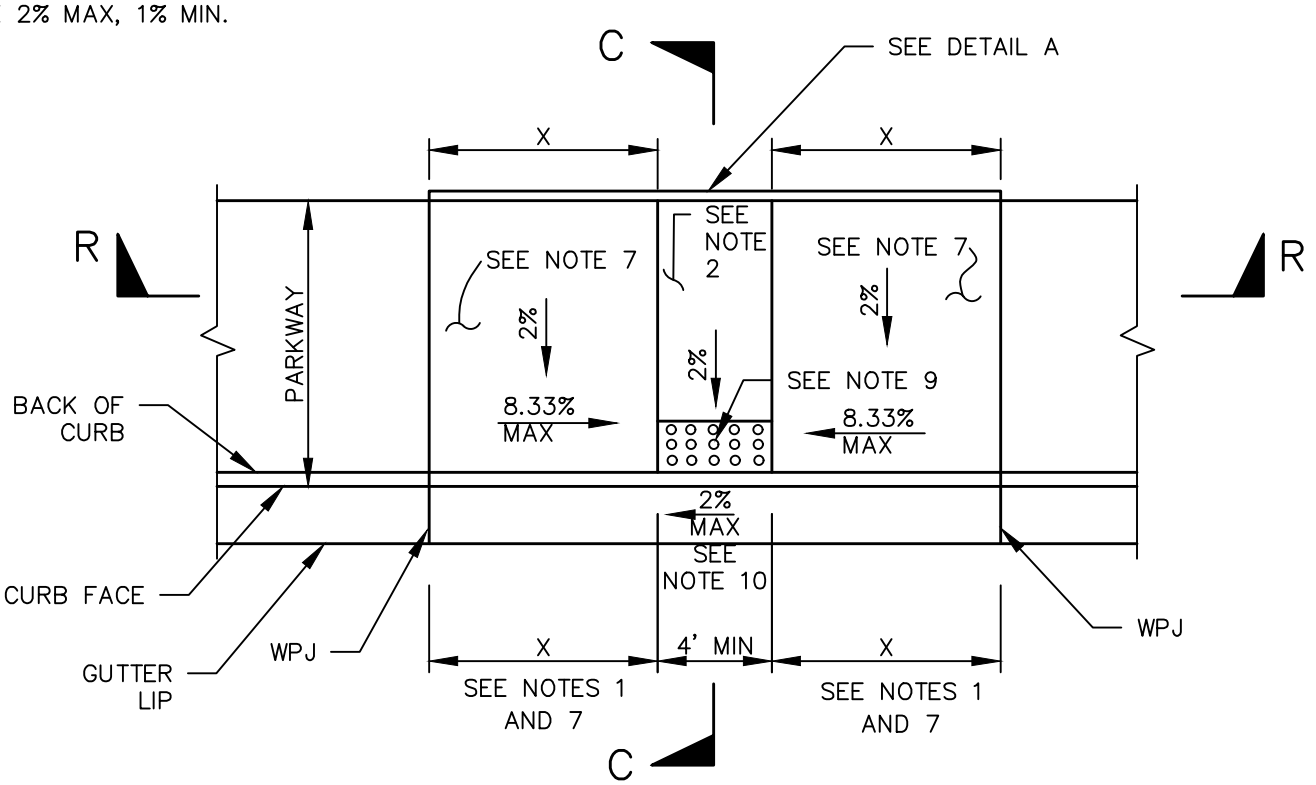
CURB RAMP



TYPE 3

NOTE:

ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.



TYPE 4

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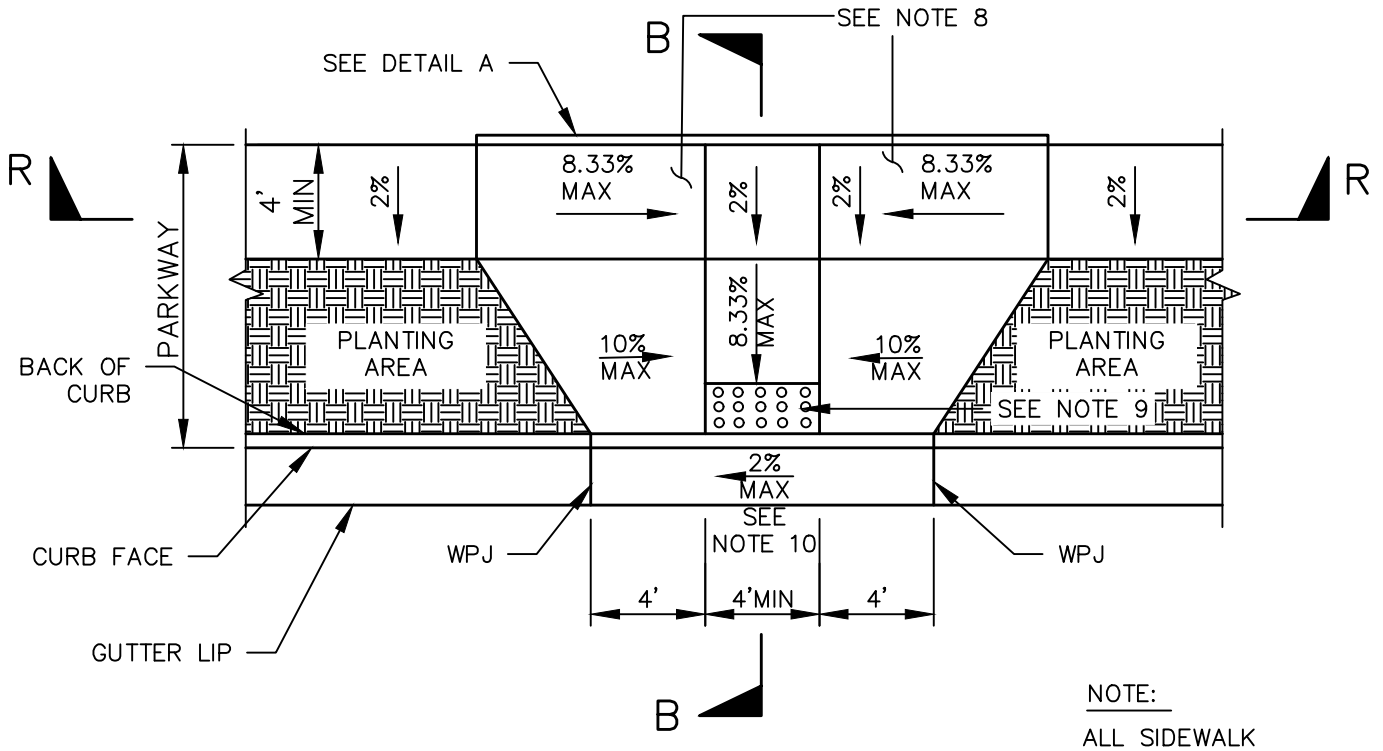
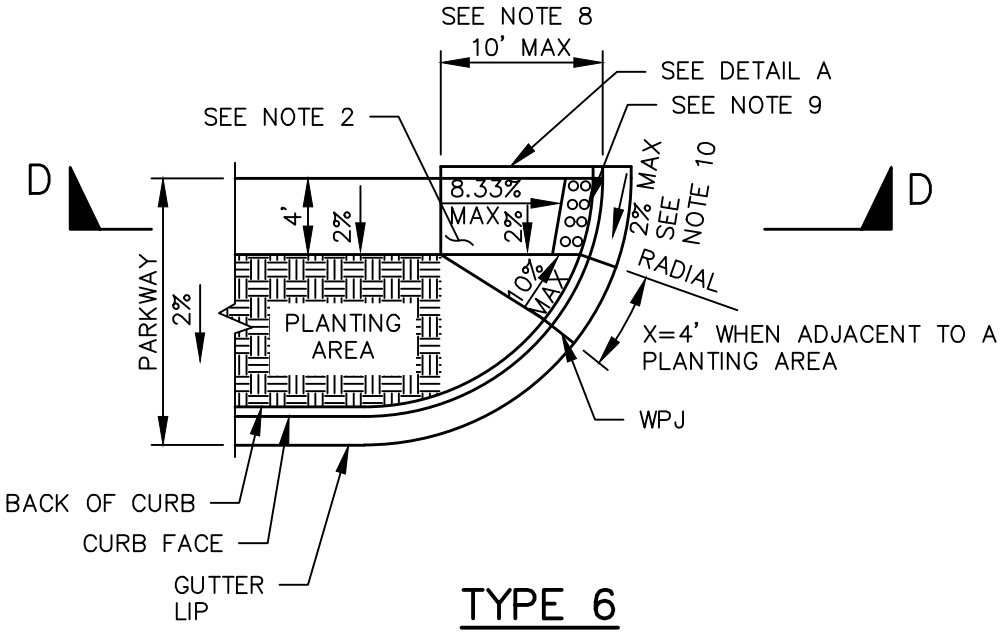
CURB RAMP



NOTE:

ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.

TYPE 5



TYPE 6

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

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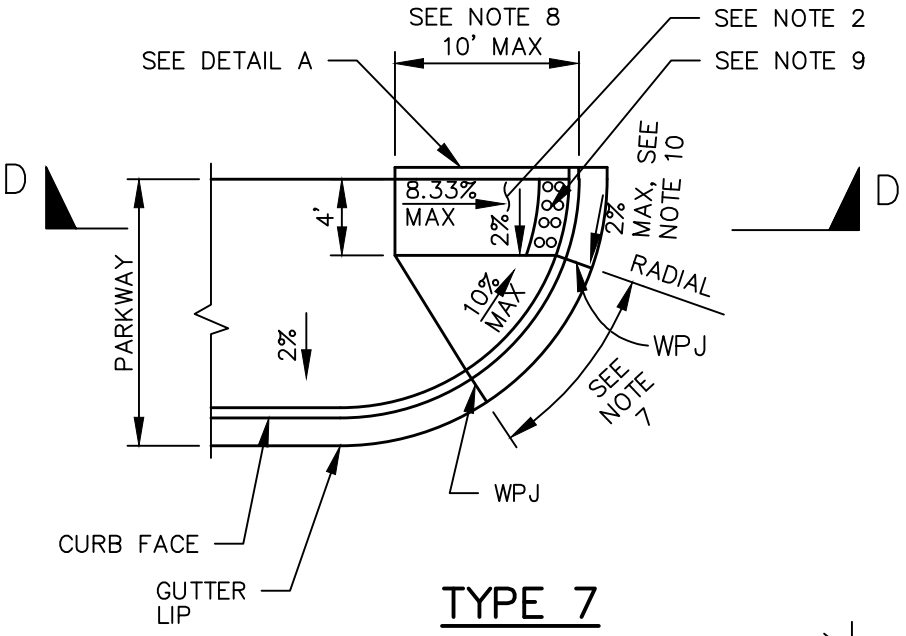
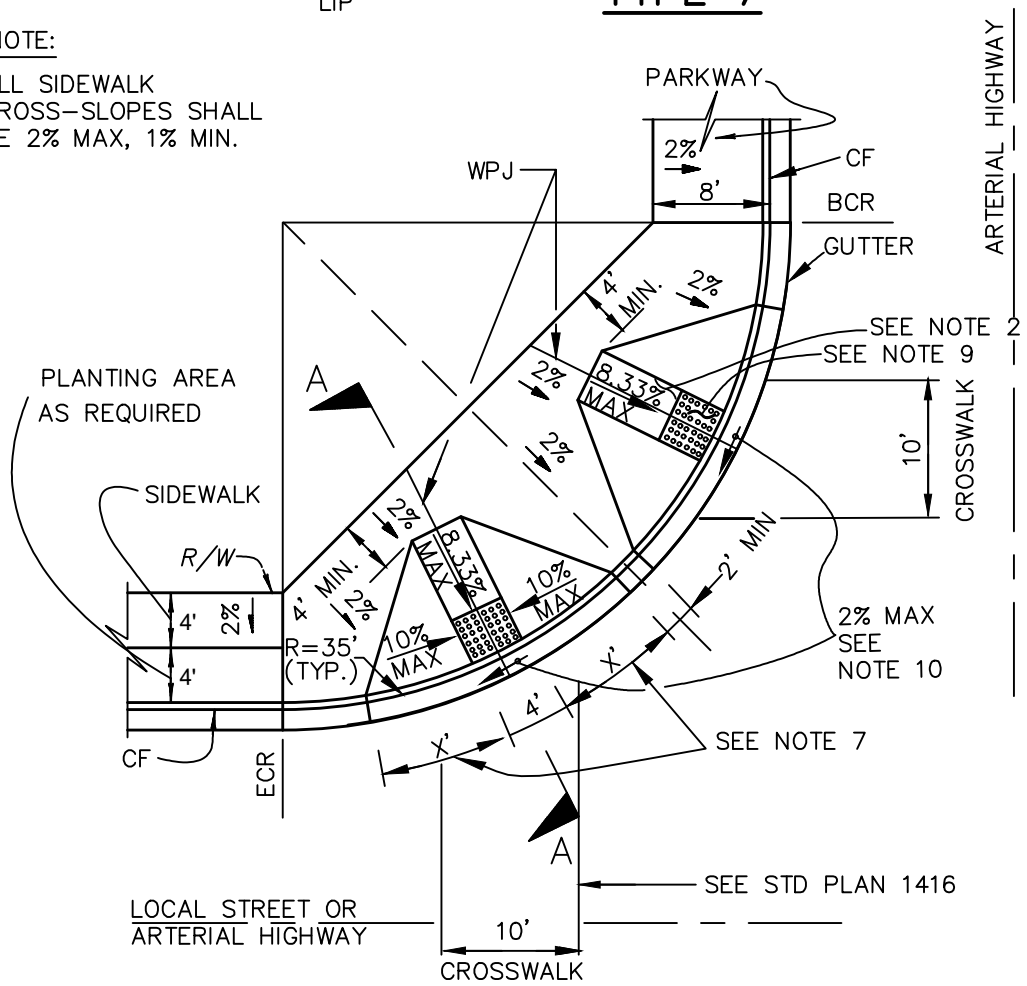
CURB RAMP



TYPE 7

NOTE:

ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.



TYPE 8

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Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

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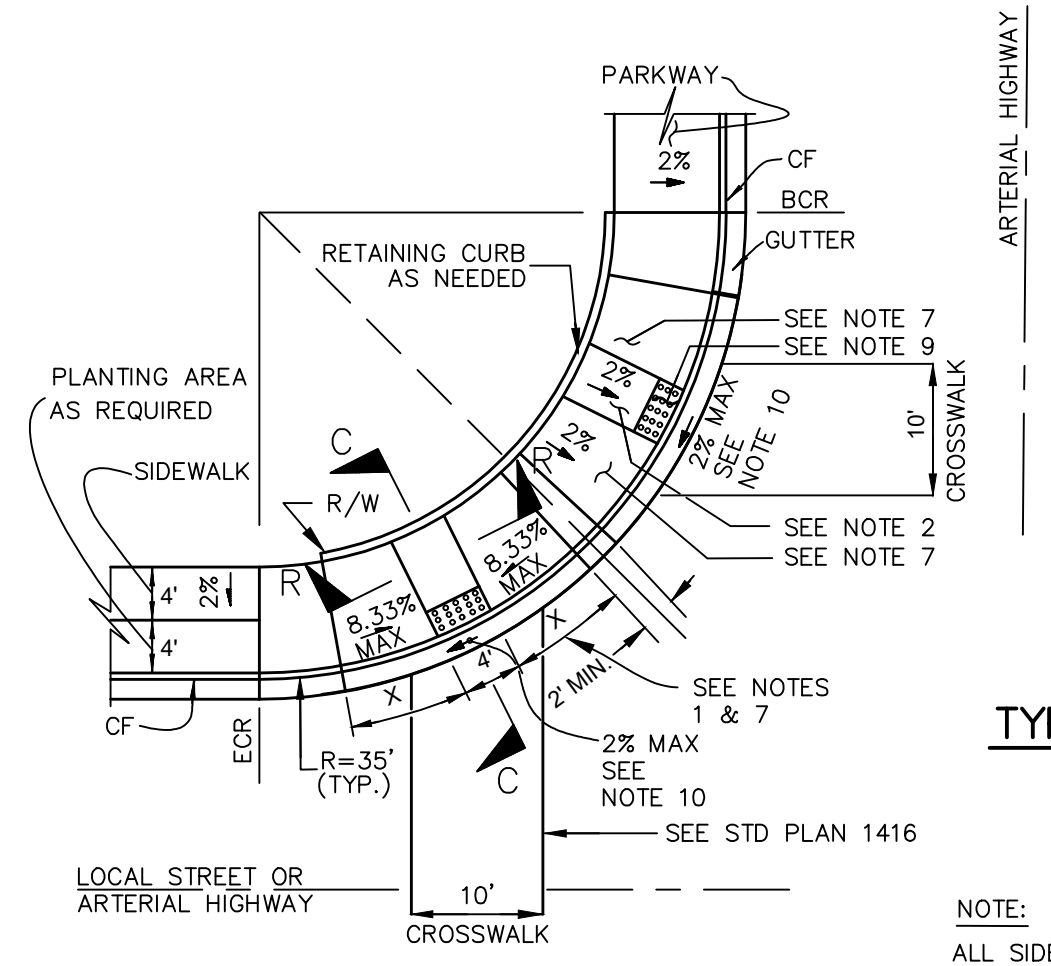
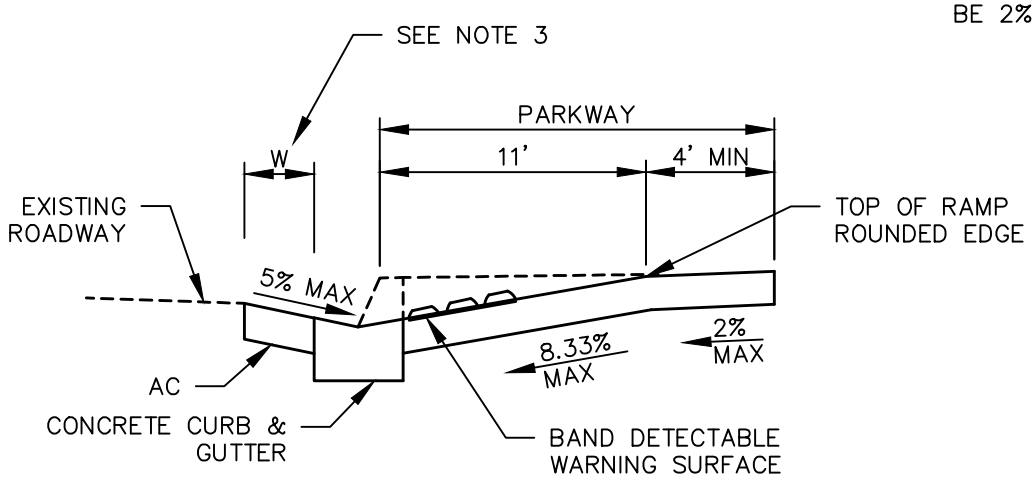
CURB RAMP



TYPE 9

NOTE:

ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.



SECTION A-A

SEE CURB RAMP TYPE 1 ON SHEET 1, AND TYPE 8 ON SHEET 4

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

CURB RAMP

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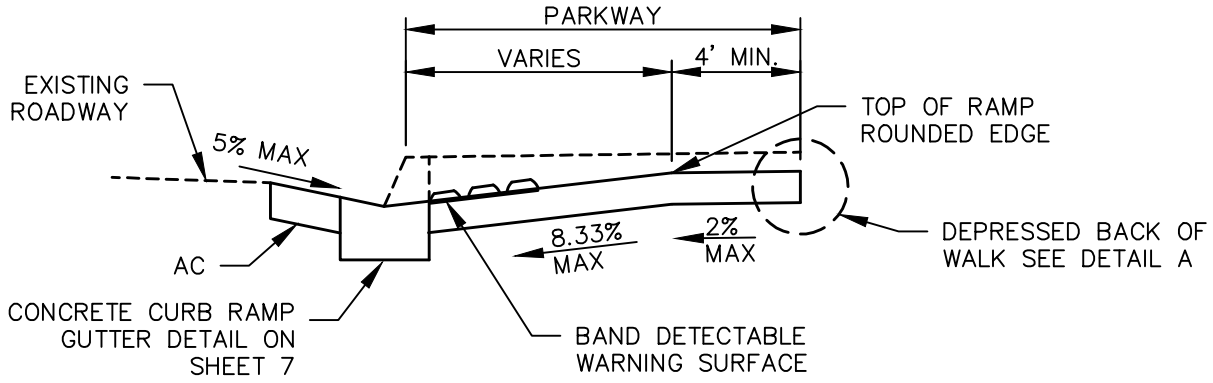
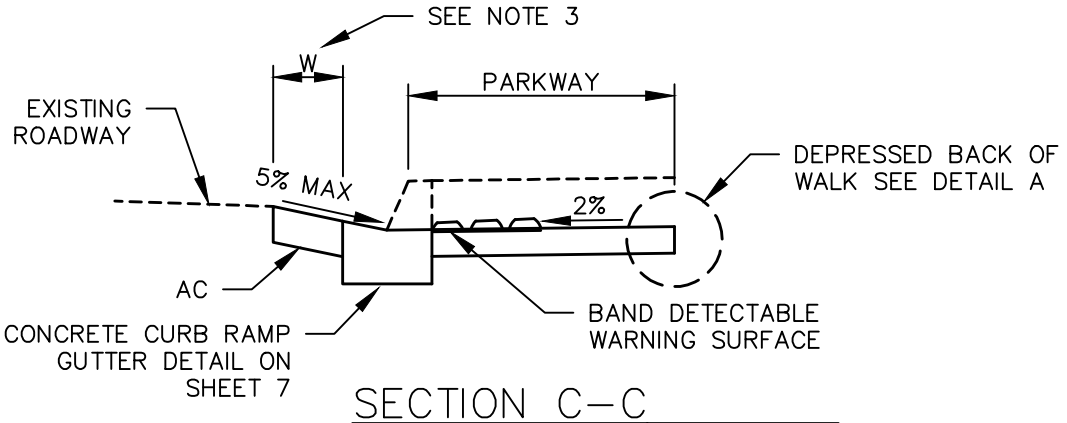


SECTION B–B

SEE CURB RAMP TYPE 2 ON SHEET 1, TYPE 3 ON SHEET 2, AND TYPE 5 ON SHEET 3

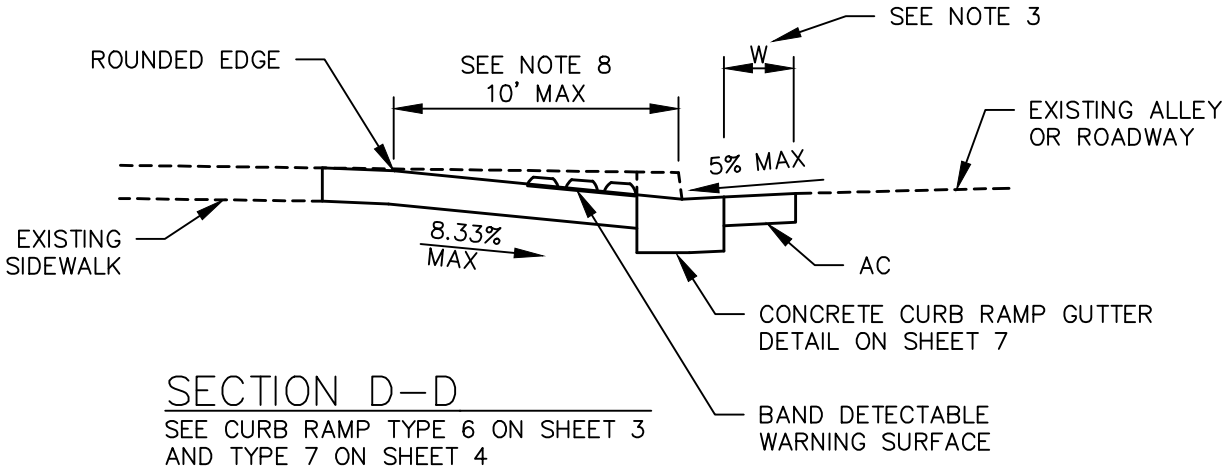
NOTE:

ALL SIDEWALK CROSS–SLOPES SHALL BE 2% MAX, 1% MIN.



SECTION C–C

SEE CURB RAMP TYPE 4 ON SHEET 2, AND TYPE 9 ON SHEET 5



SECTION D–D

SEE CURB RAMP TYPE 6 ON SHEET 3 AND TYPE 7 ON SHEET 4

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

STD. PLAN

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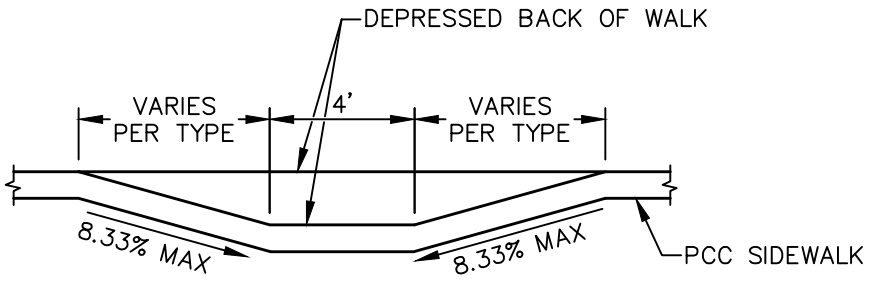
SHT. 6 OF 10

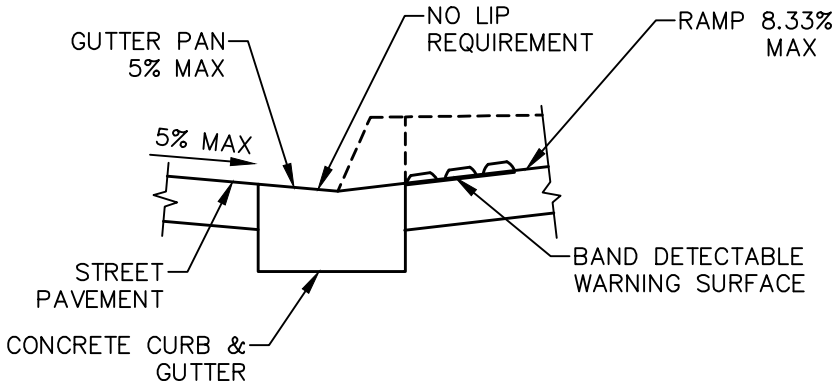
CURB RAMP



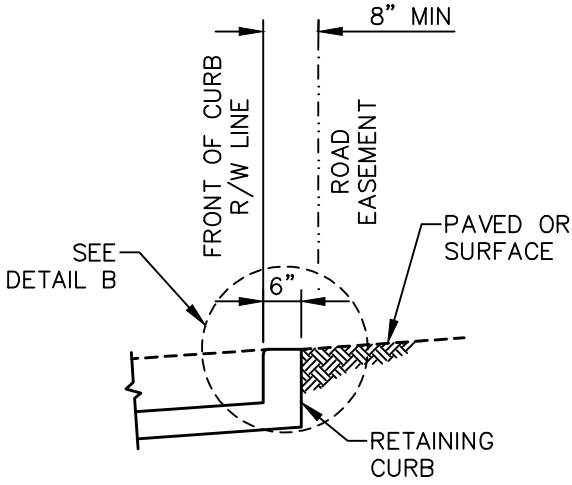
SECTION R-R

NOTE:

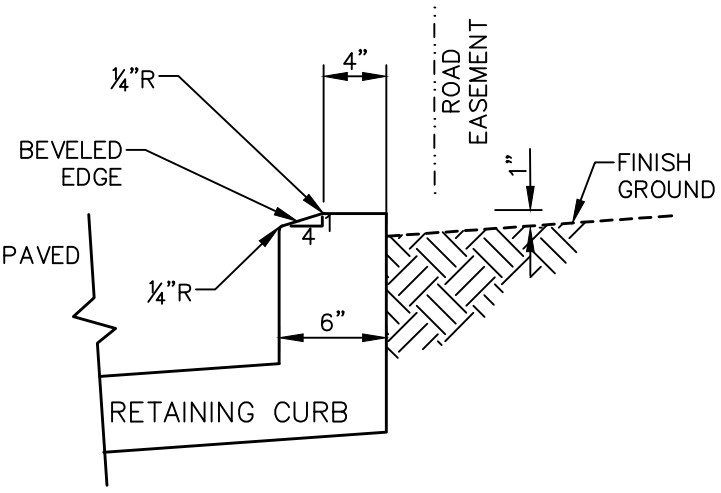
ALL SIDEWALK CROSS-SLOPES SHALL BE 2% MAX, 1% MIN.



CURB RAMP GUTTER DETAIL



DETAIL A



DETAIL B

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

STD. PLAN 1115

CURB RAMP

SHT. 7 OF 10

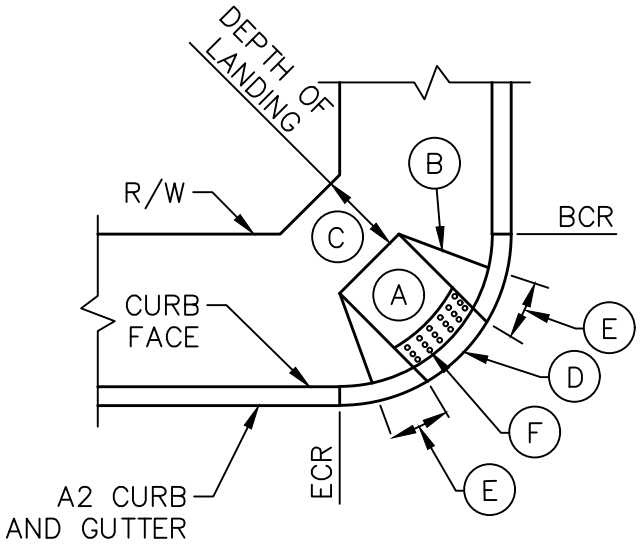
GENERAL NOTES :

1. X=8' MINIMUM ON CURB WITH 8 INCH CURB FACE HEIGHT.
   X=6' MINIMUM ON CURB WITH 6 INCH CURB FACE HEIGHT.

2. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE.

3. W=3.5 FEET TO RETROFIT EXISTING STREET PAVEMENT. NEW CONSTRUCTION SHALL MAINTAIN THE STANDARD STREET CROSSFALL.

4. A 10–FOOT MAXIMUM GUTTER PAN TRANSITION IS REQUIRED BETWEEN THE A2 GUTTER PER STD PLAN 120–2–OC (8.33% MAX) AND THE CURB RAMP GUTTER (5% MAX), AS SHOWN ON PAGE 7, CURB RAMP GUTTER DETAIL). LENGTH OF GUTTER PAN TRANSITION SHALL EQUAL DIMENSION 'X'.



- (A) CURB RAMP
- (B) FLARED SIDE SLOPES
- (C) LANDING AREA
- (D) CURB RAMP GUTTER LIP
- (E) GUTTER PAN TRANSITION
- (F) DETECTABLE WARNING SURFACE

5. FOR CONSTRUCTION OF CURB RAMP ON AN EXISTING WALKWAY AREA WHERE SPACE LIMITATION PROHIBITS THE USE OF 8.33% SLOPE, A STEEPER SLOPE MAY BE ALLOWED PENDING REQUIREMENTS OUTLINED IN GENERAL NOTE #10 OF THIS STANDARD PLAN.

6. CURB RAMP TYPES 3, 4, 5, 6, AND 7 SHALL NOT BE USED AT LOCATIONS WHERE MARKED CROSSWALK EXISTS IN BOTH DIRECTIONS.

7. FOR EXISTING WALKWAYS, IF DEPTH OF LANDING IS LESS THAN 4 FEET, THE FLARED SIDE SLOPES SHALL NOT EXCEED 8.33%.

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

CURB RAMP

STD. PLAN

1115

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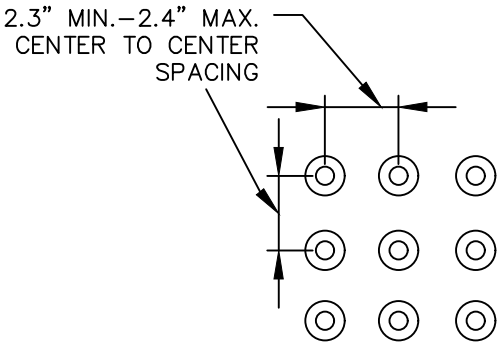
8. AT HILLSIDE DEVELOPMENTS, STREET GRADES CAN EXCEED THE STANDARD 6% FOR ARTERIAL HIGHWAYS AND 10% FOR LOCAL AND COLLECTOR STREETS. WHERE SITE CONDITIONS MAKE IT TECHNICALLY INFEASIBLE OR STRUCTURALLY IMPRACTICABLE TO FULLY COMPLY WITH ADA STANDARDS, ACCESSIBILITY SHALL BE PROVIDED TO THE MAXIMUM EXTENT FEASIBLE OR TO THE EXTENT THAT IS NOT STRUCTURALLY IMPRACTICABLE. [ADAAG 4.1.6(1)(J) & 4.1.1(5)(a)]
DEVIATIONS MAY BE CONSIDERED PENDING REQUIREMENTS OUTLINED IN GENERAL NOTE #10 OF THIS STANDARD PLAN.

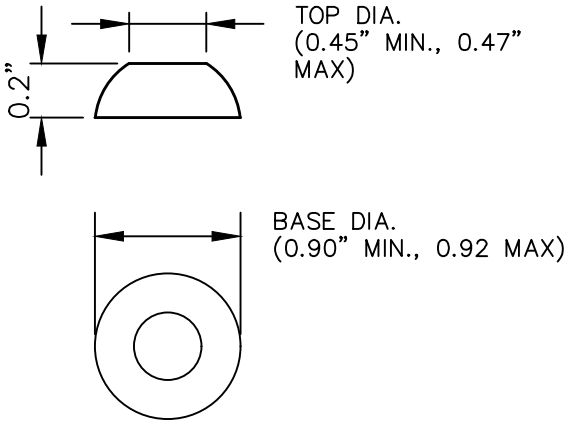
9. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3 FEET DEPTH OF THE CURB RAMP. THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE STREET SHALL BE BETWEEN 6 INCHES AND 8 INCHES FROM THE GUTTER FLOW LINE. CURB RAMP DETECTABLE WARNING SURFACE SHALL CONSIST OF A PREFABRICATED SURFACE APPLIED TACTILE MAT INCORPORATING TRUNCATED DOMES. THE TACTILE MAT SHALL MEET THE FOLLOWING STANDARDS:

PROPERTY	ASTM TEST METHOD	NOMINAL VALUE
SALT SPRAY (200 HOURS)	B117	NO CHANGE
SLIP RESISTANCE	C1028	COEFFICIENT OF FRICTION: 0.80 (WET OR DRY)
WEAR RESISTANCE	C501	500 MIN.
WATER ABSORPTION	D570	0.35% MAX.
TENSILE STRENGTH	D638	10,000 PSI MIN.
COMPRESSIVE STRENGTH	D695	20,000 PSI MIN.
FLEXURAL STRENGTH	D790	25,000 PSI MIN.
FLAME SPREAD	E84	FSI: 25 MAX.
ACCELERATED WEATHERING (2,000 HOURS)	G155	DELTA E: 5.0 MAX.
CHEMICAL RESISTANCE	D543 OR D1308	NO-REACTION OR NO-STAIN DETERIORATION

PREFABRICATED WARNING SURFACES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS ESTABLISHED BY THE DEPARTMENT OF GENERAL SERVICES, DIVISION OF STATE ARCHITECTURE AND BE ATTACHED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, BUT IN NO CASE SHALL THE CONCRETE CURE PERIOD FOR RAMPS BE LESS THAN FOURTEEN (14) DAYS. INSTALLATION SHALL BE ACCOMPANIED WITH A WRITTEN 5-YEAR WARRANTY FROM THE MANUFACTURER, GUARANTEEING REPLACEMENT WHEN THERE IS DEFECT IN THE DOME SHAPE, COLOR FASTNESS, SOUND-ON-CANE ACOUSTIC QUALITY, RESILIENCE OR ATTACHMENT.



RAISED TRUNCATED DOME IN PATTERN (IN-LINE)



RAISED TRUNCATED DOME

NOTE:
THE COLOR OF THE DETECTABLE WARNING SURFACE SHALL BE YELLOW CONFORMING TO FEDERAL STANDARD 595 B, COLOR NO. 33538, OR AS APPROVED BY COUNTY, IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

10. ANY DEVIATIONS FROM THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN MUST COMPLY WITH THE THE FOLLOWING REQUIREMENTS:

(A) THE CURB RAMP DESIGN HAS BEEN PREPARED BY A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

(B) THE CURB RAMP DESIGN HAS BEEN REVIEWED BY A CERTIFIED ACCESS SPECIALIST (CASp) AND DETERMINED THAT THE PROPOSED MODIFICATIONS MEET THE INTENT OF THE ACCESSIBILITY STANDARDS.

(C) THE ENGINEER OF RECORD COMPLETES AND SUBMITS A "DESIGN MEMORANDUM" TO THE COUNTY.

(D) THE DESIGN HAS BEEN APPROVED BY THE COUNTY BUILDING OFFICIAL FOR IMPROVEMENTS ON PRIVATE RIGHT–OF–WAY, OR THE COUNTY ENGINEER (OR DESIGNEE) WITHIN PUBLIC RIGHT–OF–WAY.

COUNTY OF ORANGE, OC PUBLIC WORKS DEPARTMENT

Approved *Khalid Bazmi, County Engineer*

Revision: August 2018

STD. PLAN

1115

SHT. 10 OF 10

CURB RAMP

Appendix C – Project Plans

CITY OF LAGUNA HILLS

CURB RAMP IMPROVEMENT PROJECT

CIP 170

GENERAL NOTES

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITION OF CALTRANS STANDARD PLANS AND SPECIFICATIONS, ORANGE COUNTY PUBLIC WORKS STANDARD PLANS AND SPECIFICATIONS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL NOTIFY THE CITY INSPECTOR AT (949) 707-2651 48 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION AND 24 HOURS PRIOR TO REQUIRING AN INSPECTION.
3. TRAFFIC CONTROL SAFETY DEVICES SHALL BE PROVIDED AND SHALL BE MAINTAINED PER THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TO THE SATISFACTION OF THE ENGINEER'S REPRESENTATIVE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF UTILITIES. ANY DAMAGE TO SUCH FACILITIES CAUSED BY HIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
5. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY ENGINEER. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION. THERE SHALL BE NO STOCKPILING OF MATERIALS WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE CITY'S INSPECTOR.
6. BY ACCEPTING THIS CONTRACT, CONTRACTOR HEREBY RELEASES AND AGREES TO INDEMNIFY, DEFEND, HOLD HARMLESS THE OWNER, ENGINEER THEIR PARENT AND SUBSIDIARY COMPANIES, AGENTS, EMPLOYEES, CONSULTANTS AND REPRESENTATIVES FOR ANY AND ALL DAMAGE TO PERSONS OR PROPERTY OR WRONGFUL DEATH REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY THE NEGLIGENCE, ACTIVE OR PASSIVE, OF OWNER, ENGINEER, THEIR PARENT AND SUBSIDIARY COMPANIES, AS WELL AS THEIR AGENTS AND EMPLOYEES, EXCEPTING ONLY THE SOLE NEGLIGENCE OF OWNER,ENGINEER THEIR PARENT OR SUBSIDIARY COMPANIES AND THEIR AGENTS AND EMPLOYEES TO THE FULLEST EXTENT PERMITTED BY LAW. SUCH INDEMNIFICATION SHALL EXTEND TO ALL CLAIMS, DEMANDS, ACTIONS, OR LIABILITY FOR INJURIES, DEATH OR DAMAGES OCCURING AFTER COMLPETION OF THE PROJECT, AS WELL AS DURING THE WORK'S PROGRESS. CONTRACTOR FURTHER AGREES THAT IT SHALL ACCOMPLISH THE ABOVE AT ITS OWN COST, EXPENSE AND RISK EXCLUSIVE OF AND REGARDLESS OF ANY APPLICABLE INSURANCE COMPANY REGARDING COVERAGE.
7. THIS PLAN DOES NOT SHOW ANY UNDERGROUND UTILITIES. THE CONTRACTOR SHALL DETERMINE THE LOCATIONS OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND PROTECT SAME DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO SAID UTILITIES.
8. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
9. THE LOCATION OF THE RIGHT OF WAY LIMITS AND CURB AND GUTTER SHOWN ON THESE PLANS WERE PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OF THE LIMITS AS SHOWN.

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS AND, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

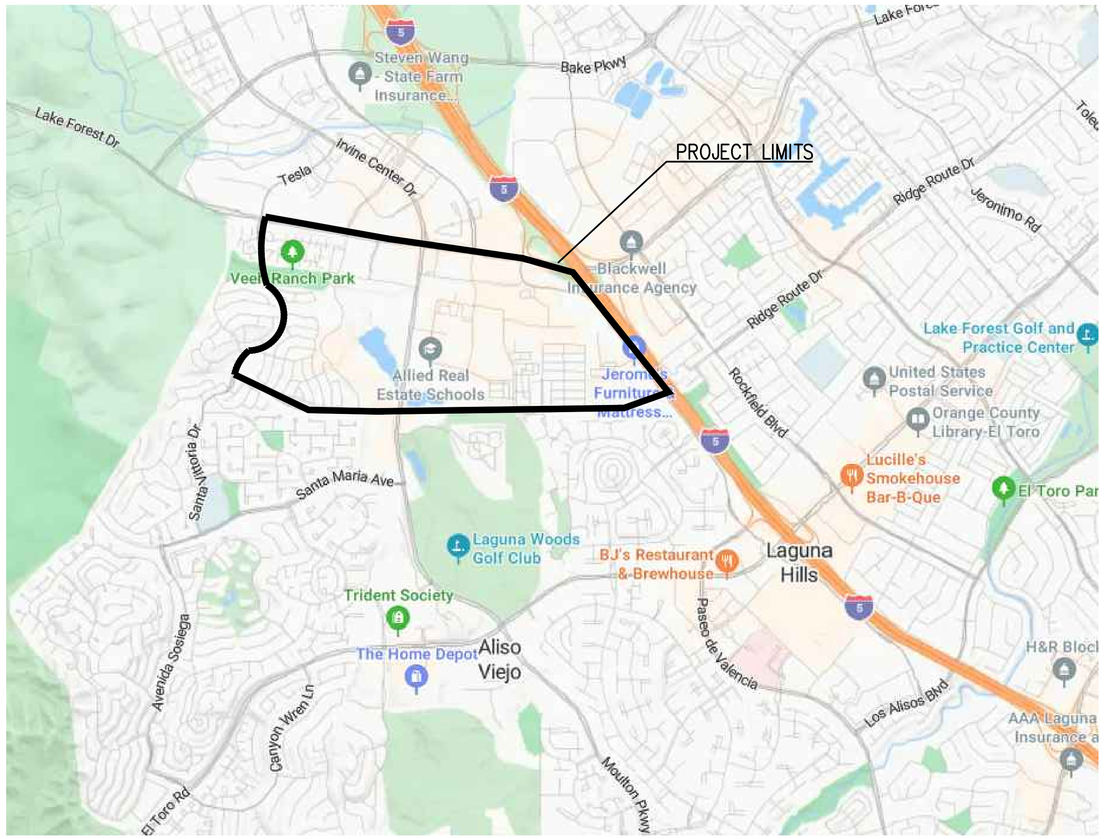
NOTICE TO CONTRACTOR

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX MAP
3 – 13	CURB RAMP DETAILS
14 – 16	ADDITIVE BID – CURB RAMP DETAILS



VICINITY MAP

NTS

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.

Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE _____

RECOMMENDED FOR APPROVAL BY: _____ DATE _____

REGISTERED PROFESSIONAL ENGINEER — DENNIS POSTLER — No.C46106 Exp.12/31/2026 — CIVIL — STATE OF CALIFORNIA

TAIT & ASSOCIATES — Since 1964
701 North Parkcenter Drive
Santa Ana, CA 92705
p: 714.560.8200
www.tait.com
ENGINEERING ENVIRONMENTAL BUILDING LAND
Orange County San Luis Obispo | Sacramento Riverside | Denver Boise | Dallas Atlanta

PREPARED UNDER THE SUPERVISION OF: _____ 8/31/2025
DENNIS POSTLER R.C.E. C46106 DATE

CITY OF LAGUNA HILLS
TITLE SHEET
CURB RAMP IMPROVEMENT PROJECT
CIP 170

SHEET NO. 1 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\me\me0465d\Drawings\me0465d[Index]XXX.dwg XXX REVIEWED BY: XXX

INDEX MAP

SCALE: 1"=250'

N

Know what's **below.** **Call** before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
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PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

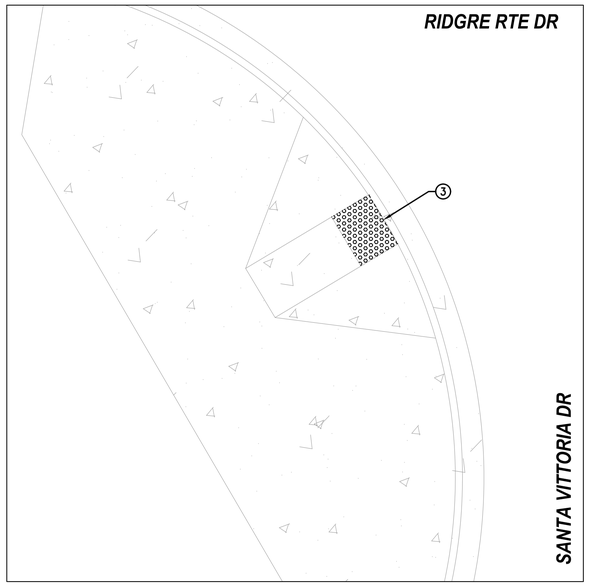
CITY OF LAGUNA HILLS

INDEX MAP

CURB RAMP IMPROVEMENT PROJECT
CIP 170

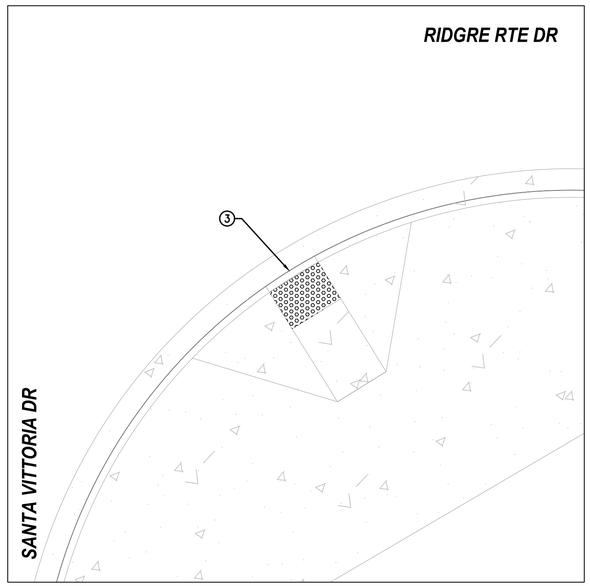
SHEET NO. 2 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2324161 DRAWING NAME: x:\engineering\me\me0465d — fy 26-27 cdbg curb ramp replacement\eng\cad\sheets\me0465d01.dwg LAST SAVED BY: XXX REVIEWED BY: XXX



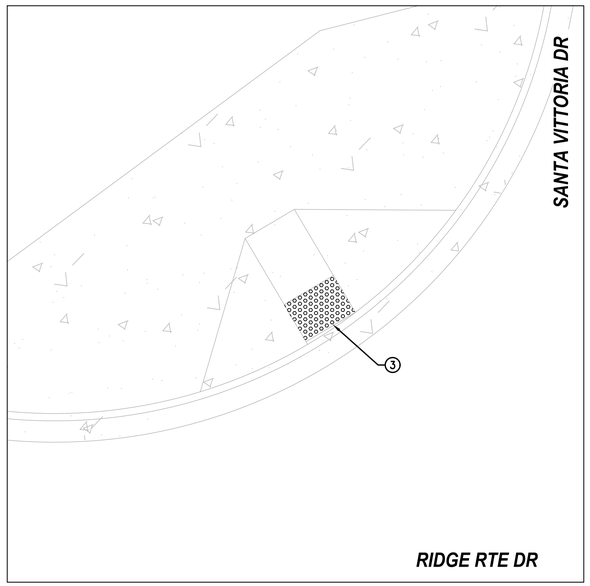
RIDGE RTE DR & SANTA VITTORIA DR: SW CORNER

CURB RAMP DETAIL #1
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



RIDGE RTE DR & SANTA VITTORIA DR: SE CORNER

CURB RAMP DETAIL #2
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



RIDGE RTE DR & SANTA VITTORIA DR: NW CORNER

CURB RAMP DETAIL #3
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

CONSTRUCTION NOTES:

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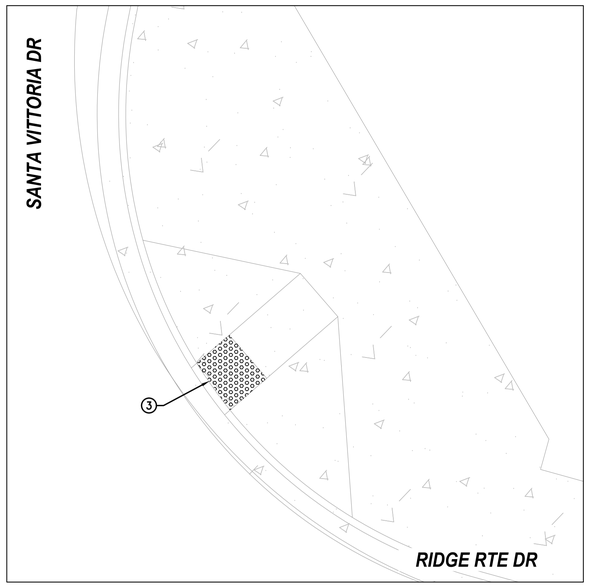
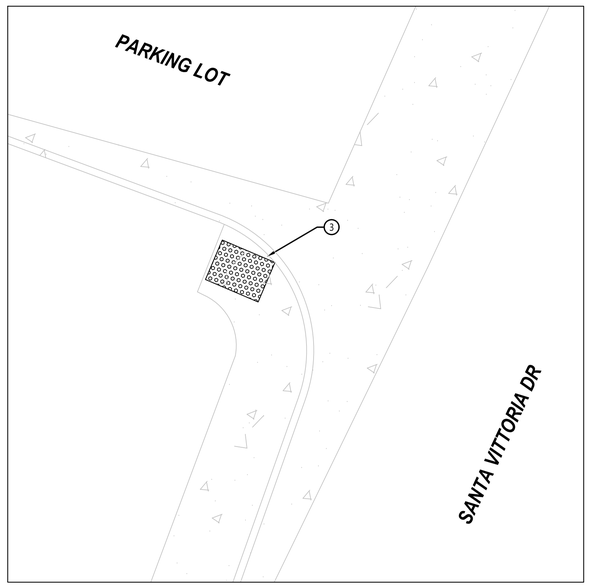


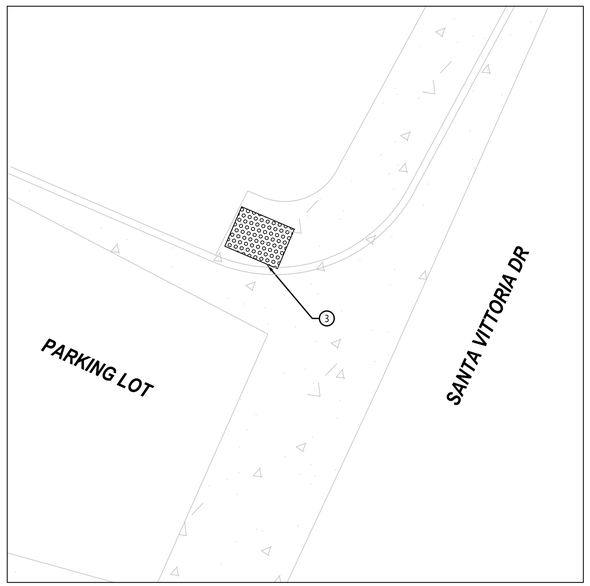
RIDGE RTE DR & SANTA VITTORIA DR: NE CORNER

CURB RAMP DETAIL #4
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



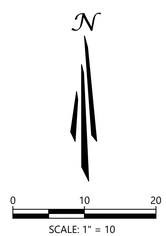
SANTA VITTORIA DR & PARKING LOT: SOUTH CORNER

CURB RAMP DETAIL #5
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



SANTA VITTORIA DR & PARKING LOT: NORTH CORNER

CURB RAMP DETAIL #6
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



SCALE: 1" = 10

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NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

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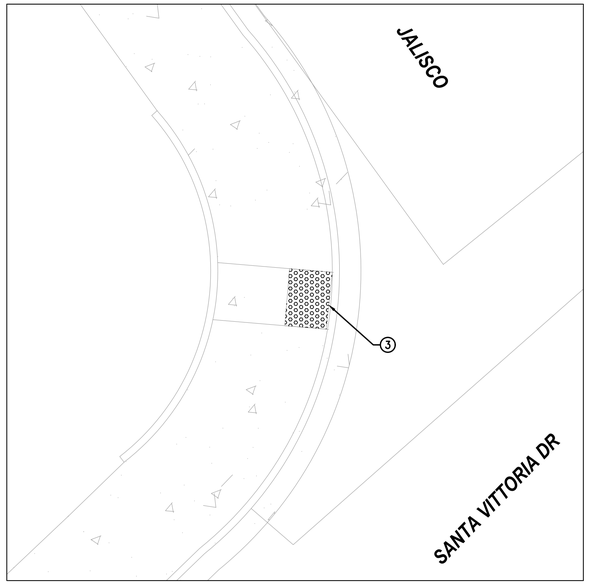
PREPARED UNDER THE SUPERVISION OF: _____ 8/31/2025
DENNIS POSTLER R.C.E. C46106 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 1
CURB RAMP IMPROVEMENT PROJECT
CIP 170

SHEET NO. 3 OF 16

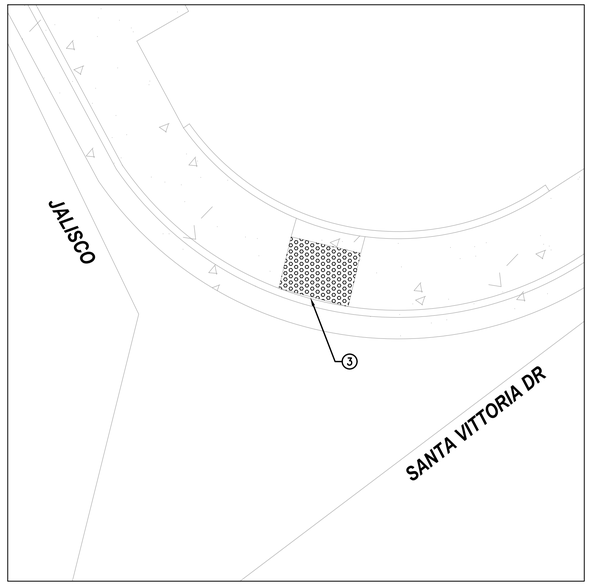
REVIEWED BY: XXX

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\rne\rne0465d – fy 26-27 cdbg curb ramp replacement\eng\0465d01.dwg



SANTA VITTIRIA DR & JALISCO: W CORNER

CURB RAMP DETAIL #7
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

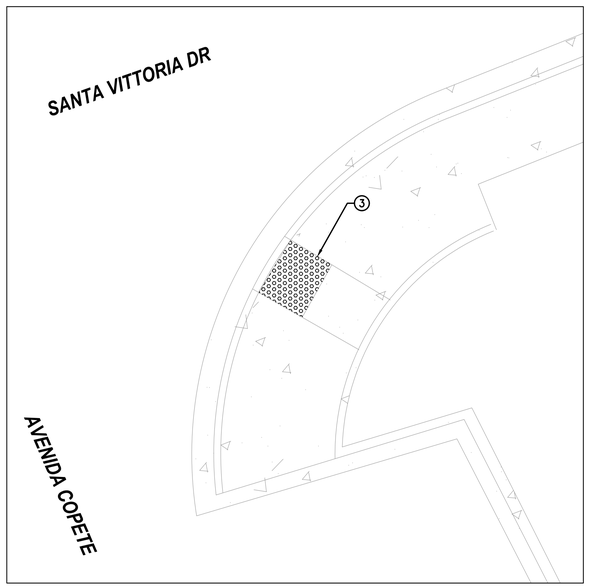


SANTA VITTORIA DR & JALISCO: N CORNER

CURB RAMP DETAIL #8
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

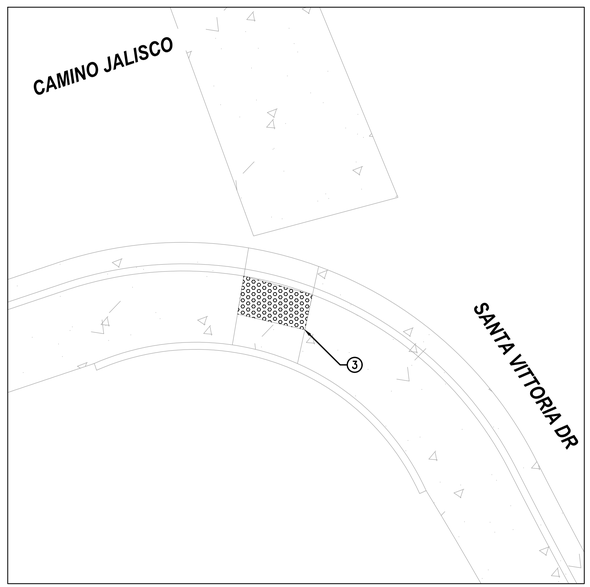
SANTA VITTORIA DR & AVENIDA COPETE: SW CORNER

CURB RAMP DETAIL #9
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



SANTA VITTORIA DR & AVENIDA COPETE: SE CORNER

CURB RAMP DETAIL #10
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



SANTA VITTORIA DR & CAMINO JALISCO: SW CORNER

CURB RAMP DETAIL #11
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

SANTA VITTORIA DR & CAMINO JALISCO: NW CORNER

CURB RAMP DETAIL #12
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
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N

0 10 20

SCALE: 1" = 10

811 Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ _____

RECOMMENDED FOR APPROVAL BY: _____ _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
CIVIL
STATE OF CALIFORNIA

TAIT & ASSOCIATES
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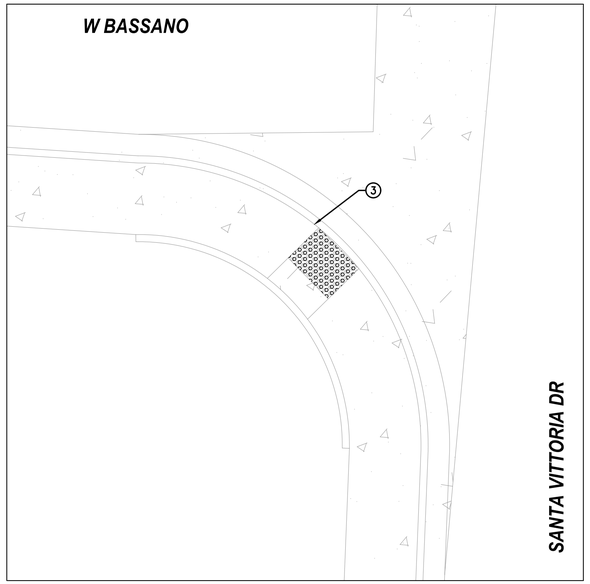
PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 2
CURB RAMP IMPROVEMENT PROJECT
CIP 170

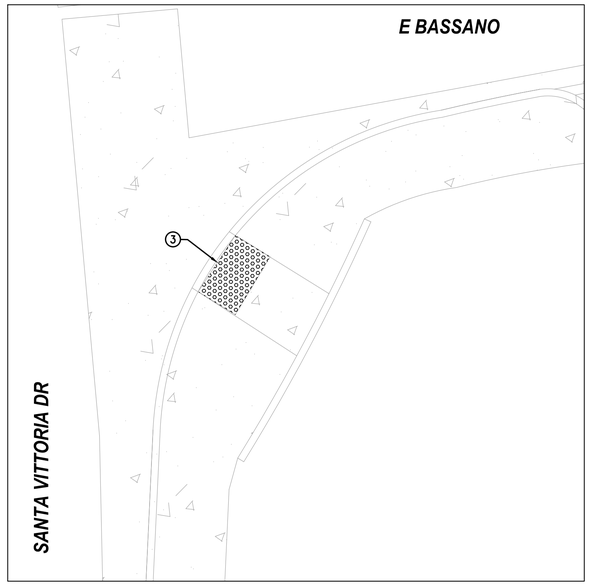
SHEET NO. 4 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\tne\tne0465d — fy 26-27 cdbg curb ramp replacement\eng\tne0465d#wall01.dwg [Layout: 4] PLOT DATE: 9/1/2026 PLOT BY: XXX REVIEWED BY: XXX



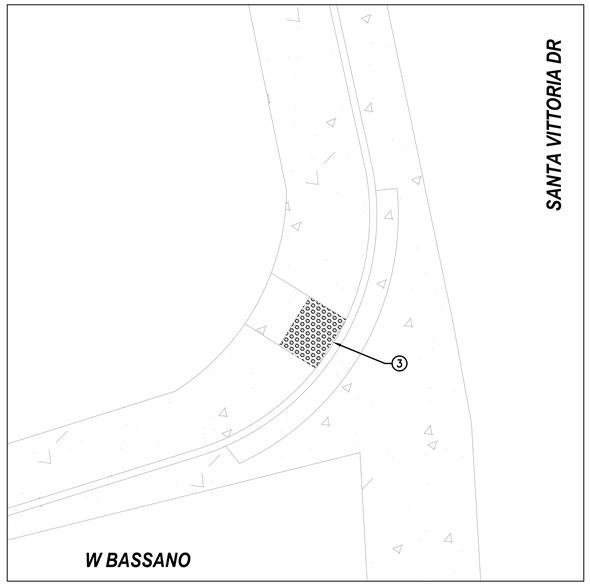
SANTA VITTORIA DR & W BASSANO: SW CORNER

CURB RAMP DETAIL #13
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



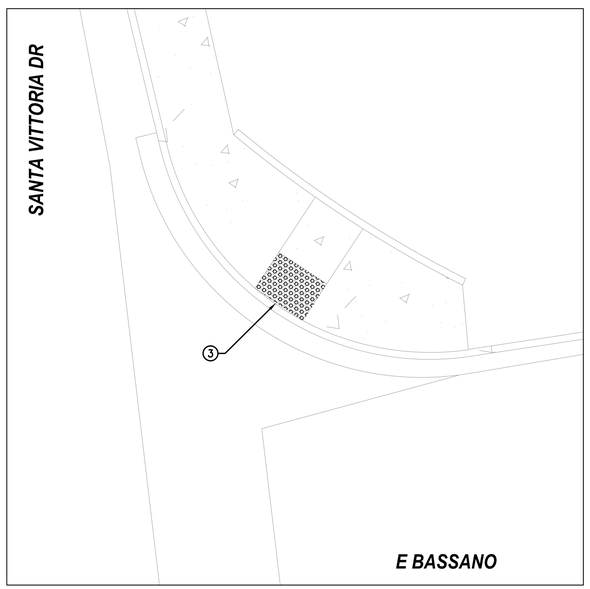
SANTA VITTORIA DR & E BASSANO: SE CORNER

CURB RAMP DETAIL #14
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



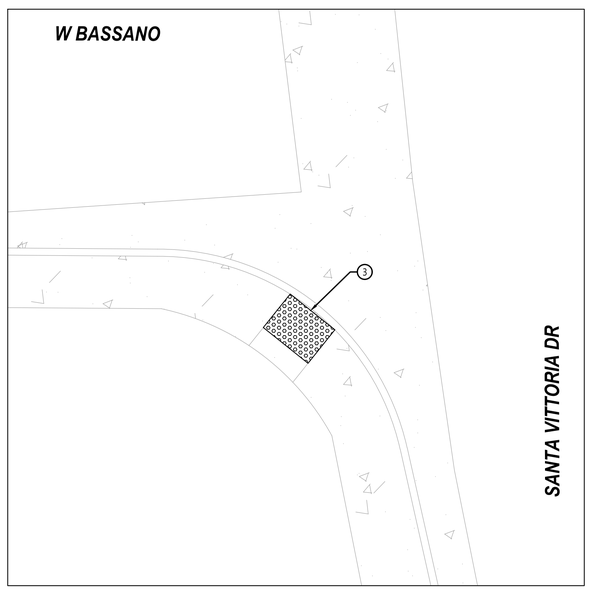
SANTA VITTORIA DR & W BASSANO: NW CORNER

CURB RAMP DETAIL #15
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



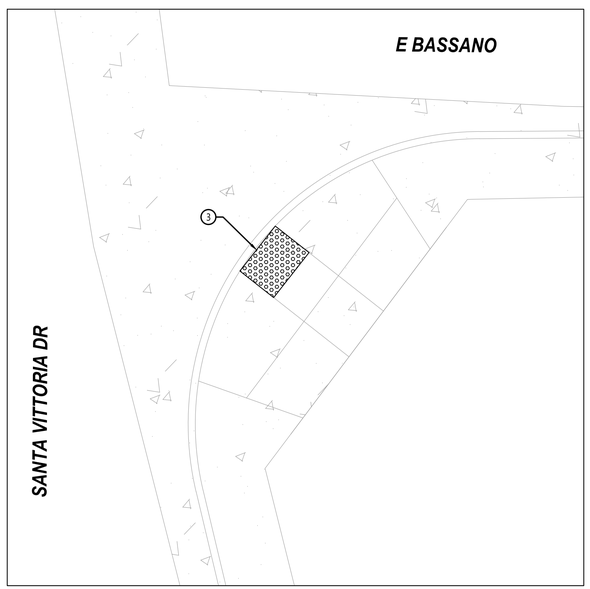
SANTA VITTORIA DR & E BASSANO: NE CORNER

CURB RAMP DETAIL #16
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



AVENIDA DE LA CARLOTA & RIDGE RTE DR: SOUTH CORNER

CURB RAMP DETAIL #17
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



AVENIDA DE LA CARLOTA & RIDGE RTE DR: SOUTH CORNER

CURB RAMP DETAIL #18
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.

N

0 10 20

SCALE: 1" = 10

811 Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE

RECOMMENDED FOR APPROVAL BY: _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
CIVIL
STATE OF CALIFORNIA

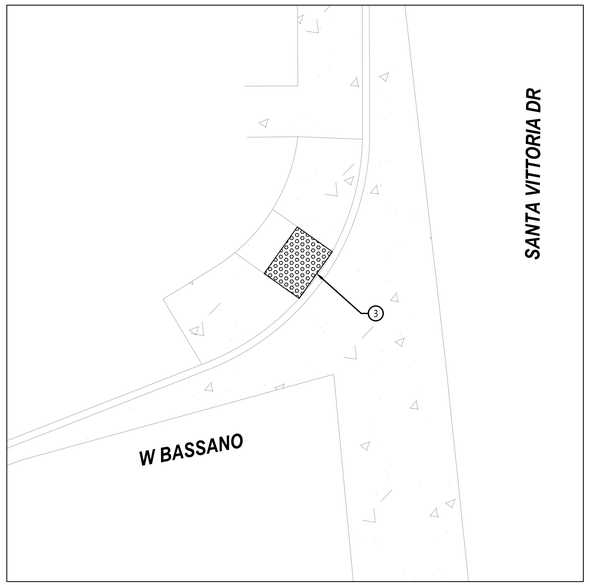
TAIT & ASSOCIATES
Since 1964
701 North Parkcenter Drive
Santa Ana, CA 92705
p: 714.560.8200
www.tait.com
ENGINEERING ENVIRONMENTAL BUILDING LAND
Orange County San Luis Obispo | Sacramento Riverside | Denver Boise | Dallas Atlanta

PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 3
CURB RAMP IMPROVEMENT PROJECT
CIP 170

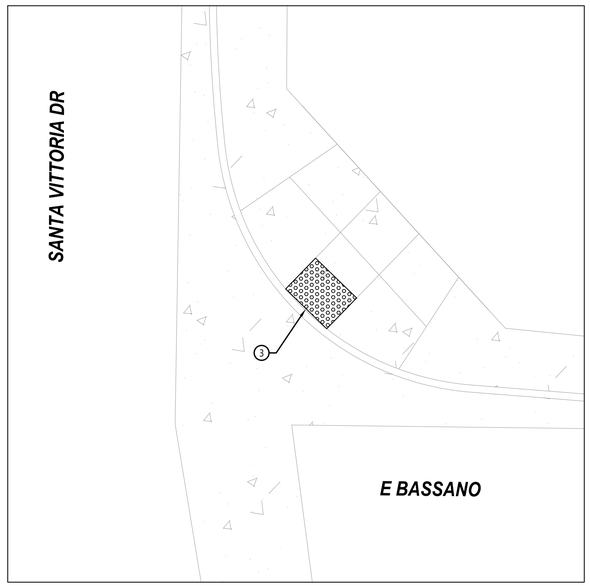
SHEET NO. 5 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\tne\me0465d – fy 26-27 cdbg curb ramp replacement\engineering\tne\me0465d#ANNUAL CURB RAMP.dwg REVIEWED BY: XXX



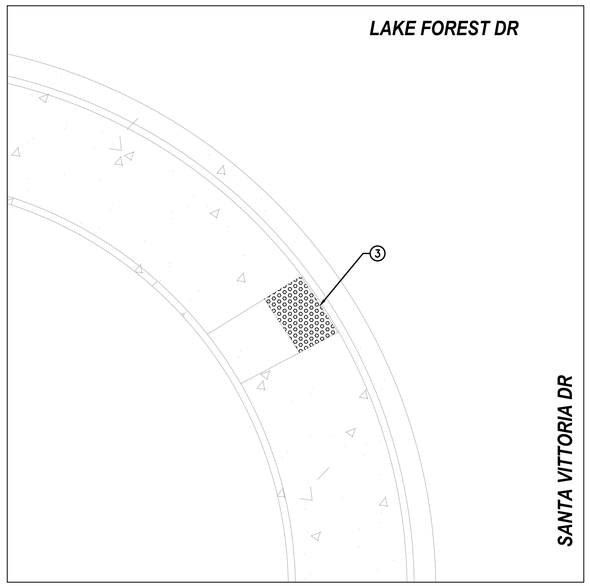
AVENIDA DE LA CARLOTA & RIDGE RTE DR: SOUTH CORNER

CURB RAMP DETAIL #19
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



AVENIDA DE LA CARLOTA & RIDGE RTE DR: SOUTH CORNER

CURB RAMP DETAIL #20
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



SANTA VITTORIA DR & LAKE FOREST DR: SW CORNER

CURB RAMP DETAIL #21
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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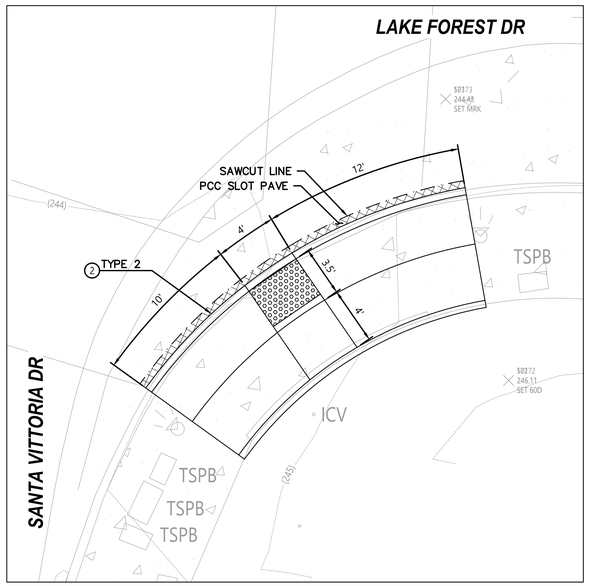
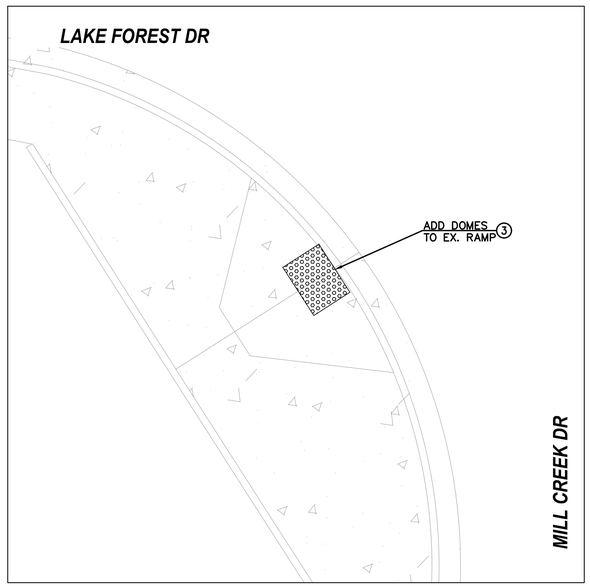
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.



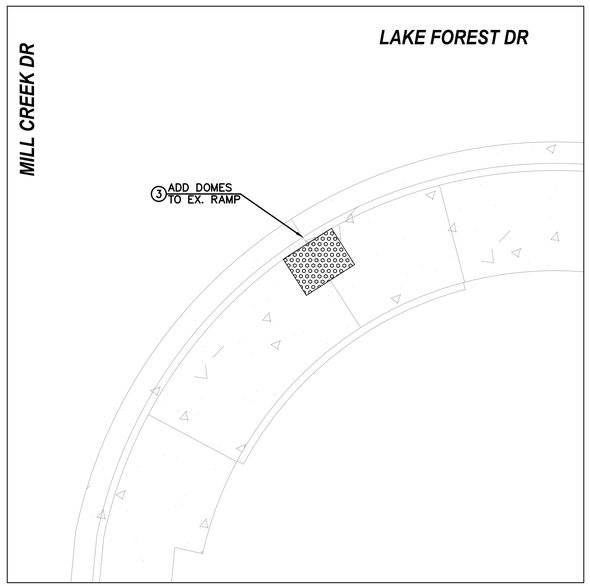
SANTA VITTORIA DR & LAKE FOREST DR: SE CORNER

CURB RAMP DETAIL #22
OCPW STD. PLAN 1115, TYPE 2.
1" = 5'



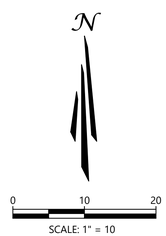
LAKE FOREST DR & MILL CREEK DR: SE CORNER

CURB RAMP DETAIL #23
INSTALL TRUNCATED DOMES
1" = 5'



MILL CREEK DR & LAKE FOREST DR: SW CORNER

CURB RAMP DETAIL #24
INSTALL TRUNCATED DOMES
1" = 5'



SCALE: 1" = 10

811 Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE

RECOMMENDED FOR APPROVAL BY: _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
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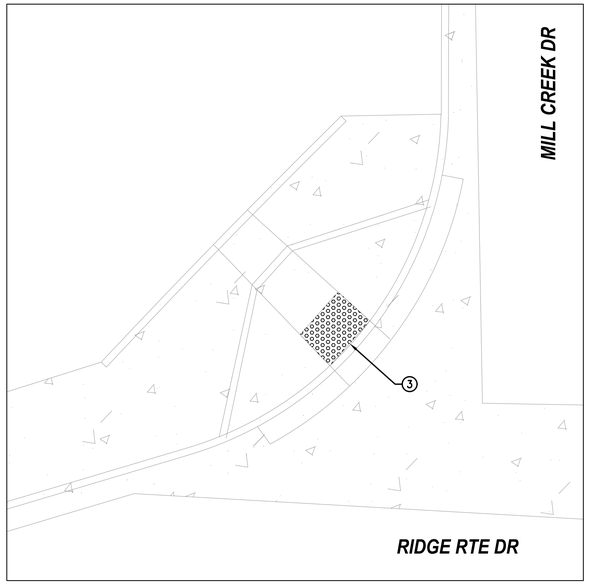
PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 4
CURB RAMP IMPROVEMENT PROJECT
CIP 170

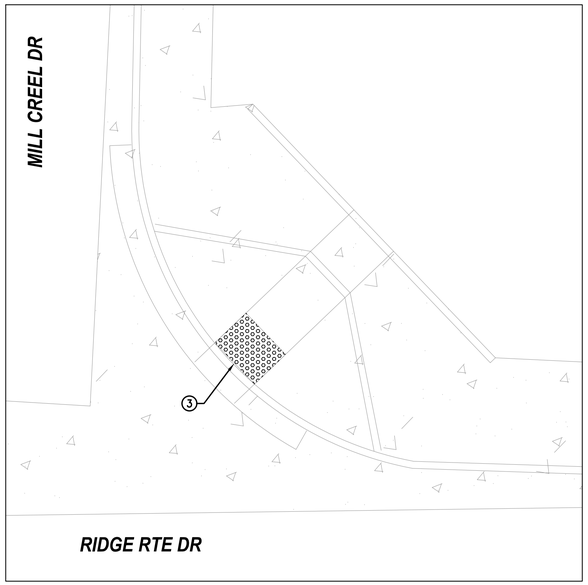
SHEET NO. 6 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\ynet\ynet0465d — fy 26-27 cdbg curb ramp replacement\eng\ME0465d#ADA01.dwg LAST SAVED BY: XXX REVIEWED BY: XXX



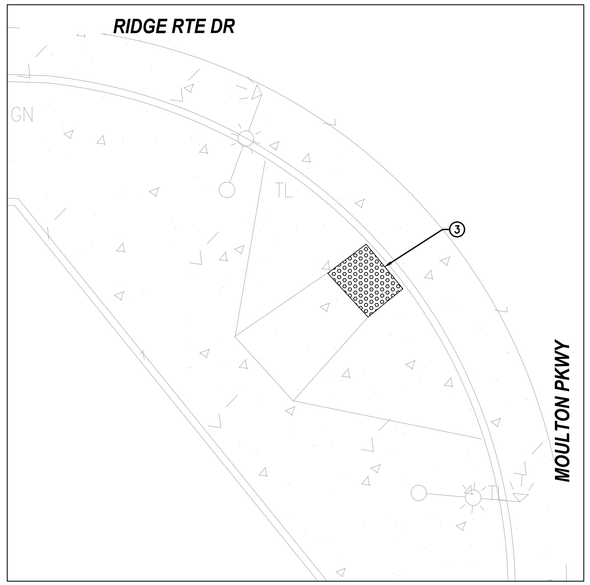
RIDGE RTE & MILL CREEK DR: NW CORNER

CURB RAMP DETAIL #25
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



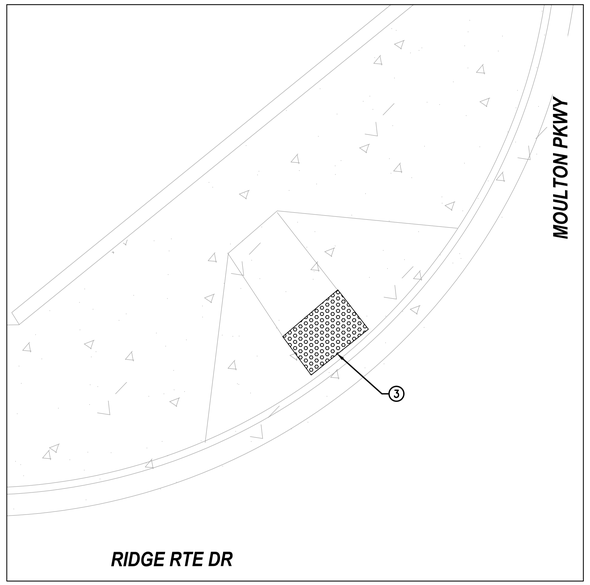
RIDGE RTE DR & MILL CREEK DR: NE CORNER

CURB RAMP DETAIL #26
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



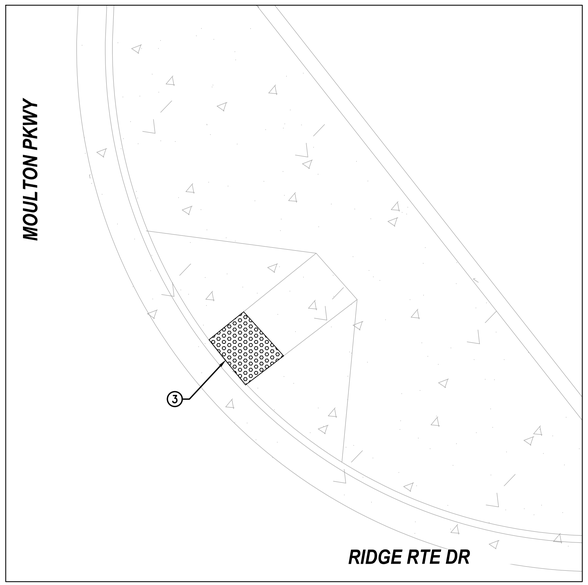
MOULTON PKWY & RIDGE RTE DR: SW CORNER

CURB RAMP DETAIL #27
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



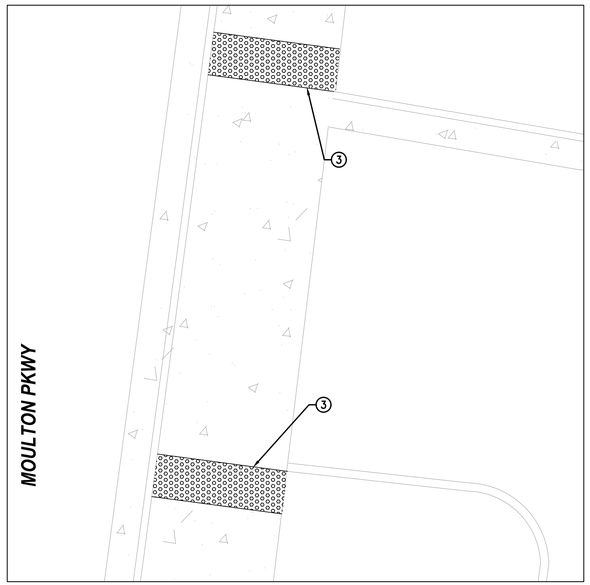
MOULTON PKWY & RIDGE RTE DR: NW CORNER

CURB RAMP DETAIL #28
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & RIDGE RTE DR: NE CORNER

CURB RAMP DETAIL #29
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & PRIVATE DRIVEWAY: NE CORNER

CURB RAMP DETAIL #30 & #31
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
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Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY:

RECOMMENDED FOR APPROVAL BY:

DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
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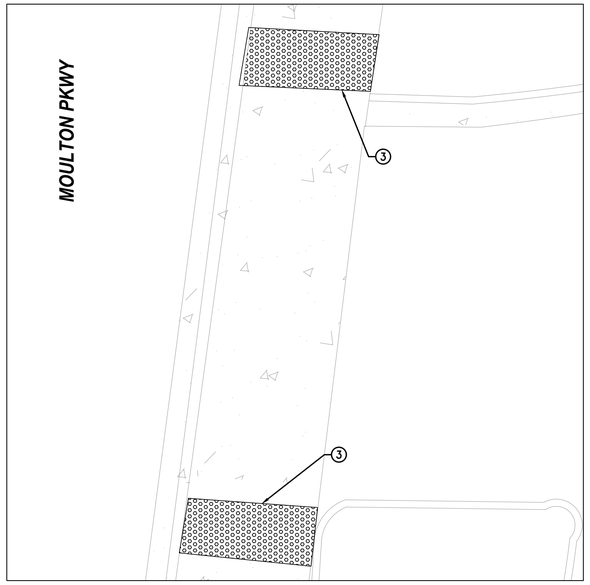
PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106
8/31/2025
DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 5
CURB RAMP IMPROVEMENT PROJECT
CIP 170

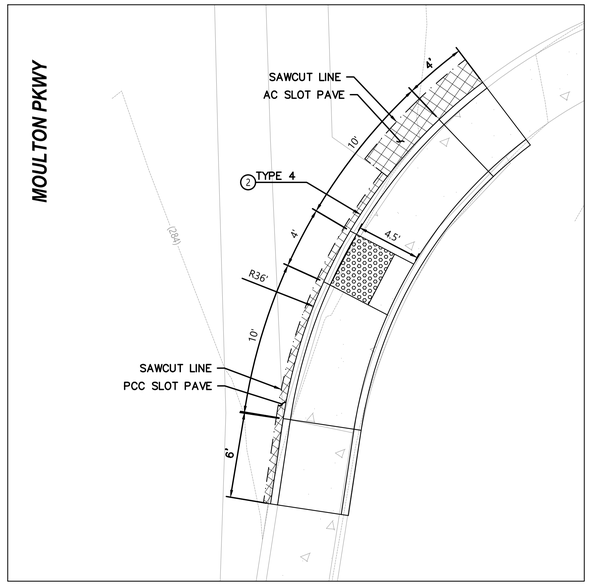
SHEET NO.
7
OF
16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2324161 DRAWING NAME: x:\engineering\yme\yme0465d – fy 26-27 cdbg curb ramp replacement\eng\0465d01.dwg LAYOUT: 7 REVIEWED BY: XXX



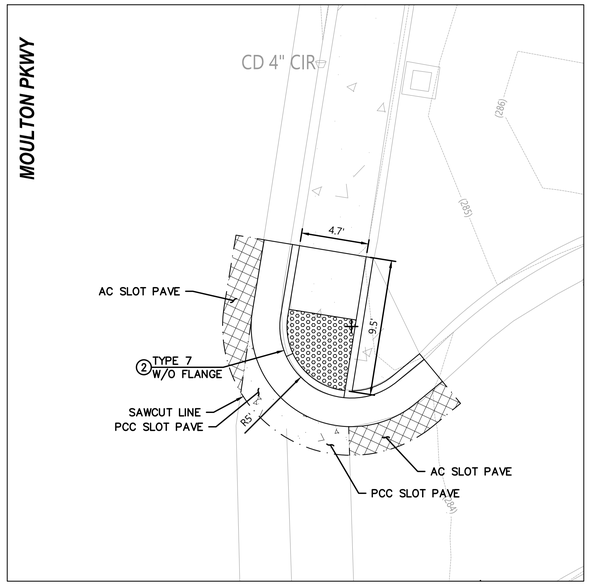
MOULTON PKWY & PRIVATE DRIVEWAY: NE & SE CORNER

CURB RAMP DETAIL #32 & #33
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & PRIVATE DRIVEWAY: SE CORNER

CURB RAMP DETAIL #34
OCPW STD. PLAN 1115. TYPE 4
1" = 5'



MOULTON PKWY & PRIVATE DRIVEWAY: NE CORNER

CURB RAMP DETAIL #35
OCPW STD. PLAN 1115. TYPE 7.
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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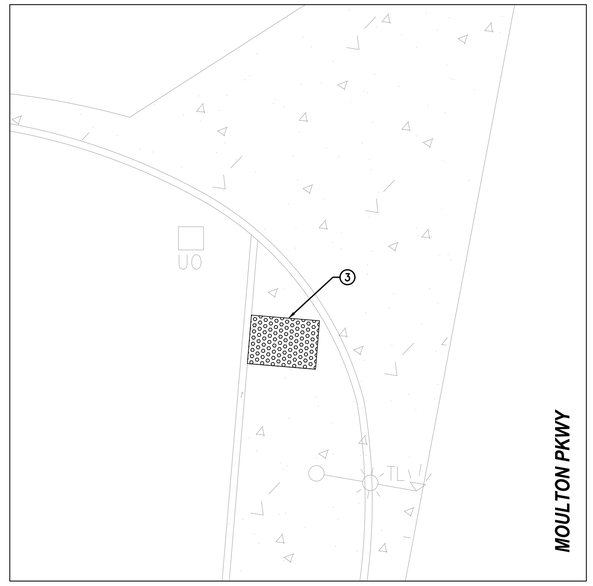
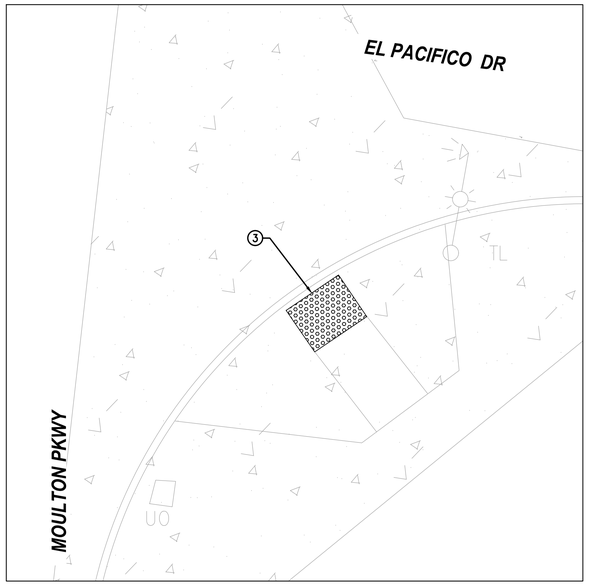
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.



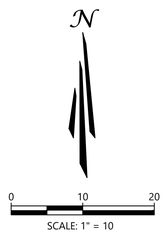
MOULTON PKWY & CROSSLINE CHURCH: SW CORNER

CURB RAMP DETAIL #36
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & EL PACIFICO: SE CORNER

CURB RAMP DETAIL #37
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



Know what's **below.** **Call** before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY:

RECOMMENDED FOR APPROVAL BY:

DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
CIVIL
STATE OF CALIFORNIA

TAIT & ASSOCIATES
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PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106
8/31/2025
DATE

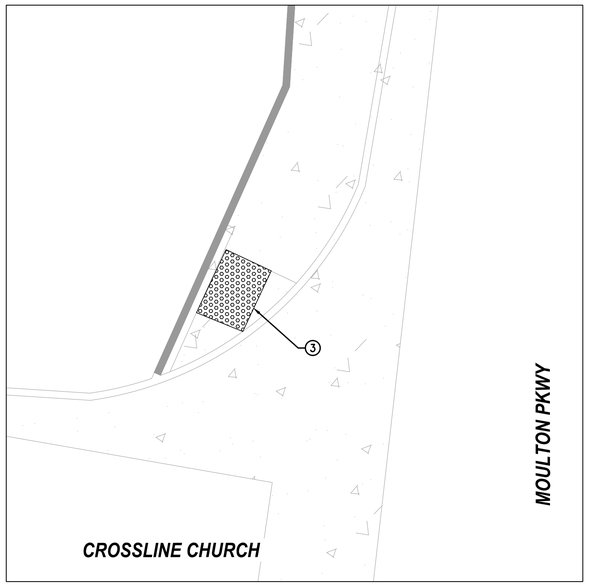
CITY OF LAGUNA HILLS

RAMP DETAILS – 6

CURB RAMP IMPROVEMENT PROJECT CIP 170

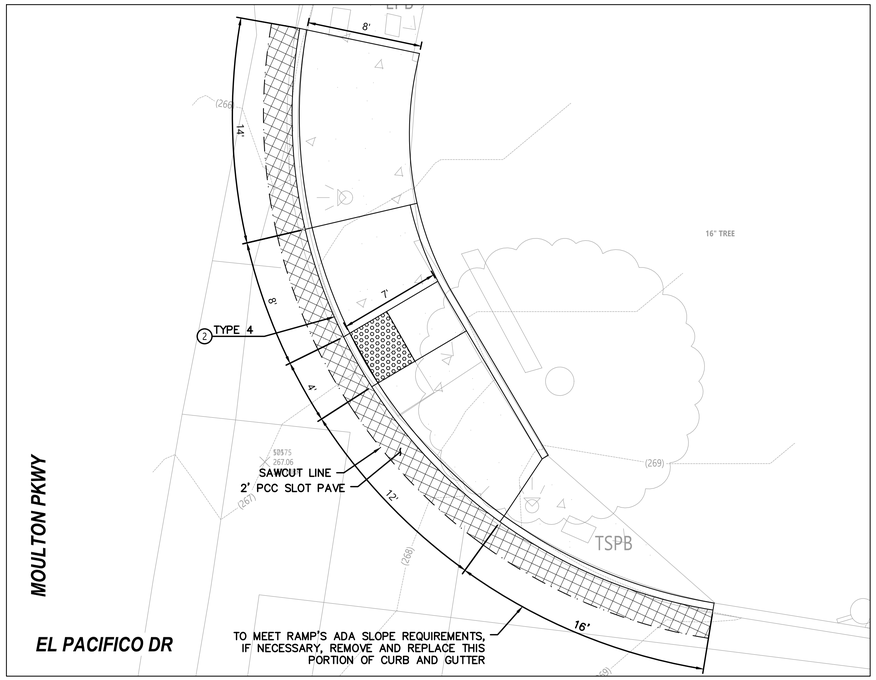
SHEET NO.
8
OF
16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\me\me0465d – fy 26-27 cdbg curb ramp replacement\eng\ME0465D#3 Bench\00dwgs\me0465d#36 MOULTON PKWY & CROSSLINE CHURCH SW CORNER.dwg REVIEWED BY: XXX



MOULTON PKWY & CROSSLINE CHURCH: NW CORNER

CURB RAMP DETAIL #38
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & EL PACIFICO DR: NE CORNER

CURB RAMP DETAIL #39
OCPW STD. PLAN 1115, TYPE 4.
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
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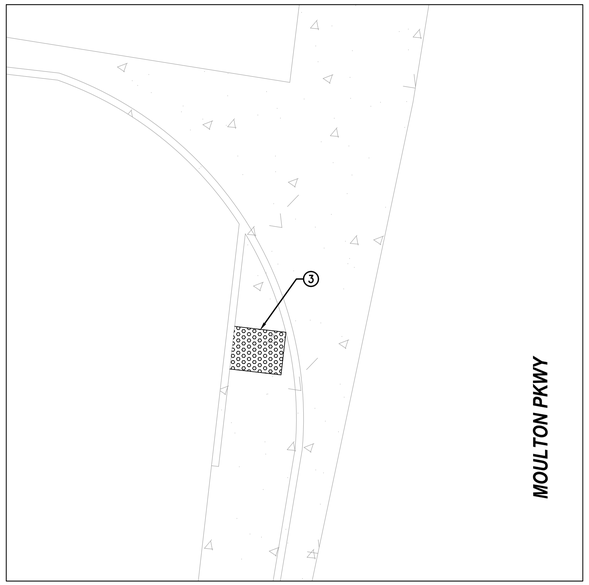
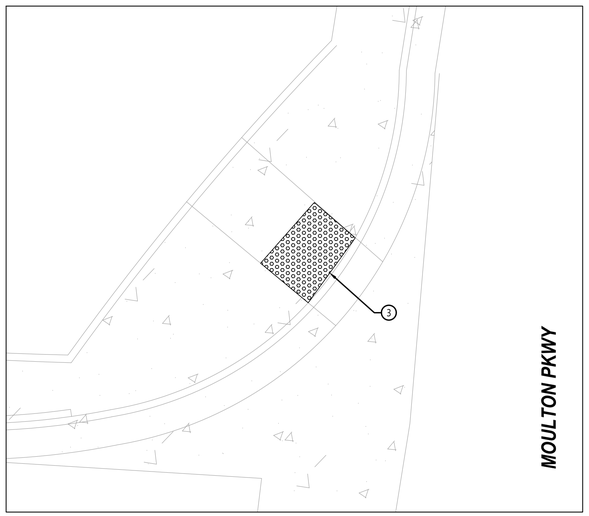


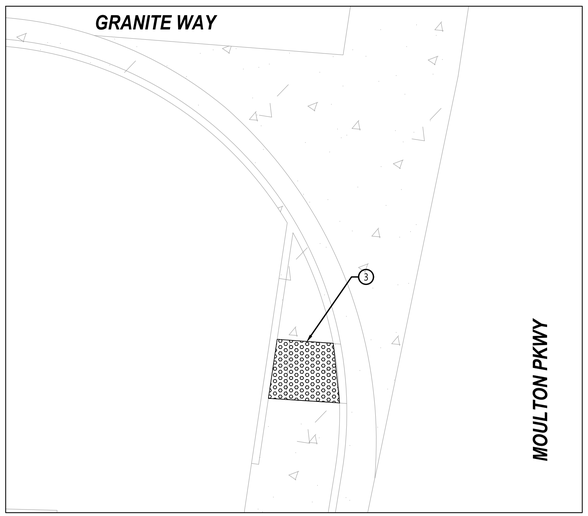
MOULTON PKWY & PRIVATE DRIVEWAY: SW CORNER

CURB RAMP DETAIL #40
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



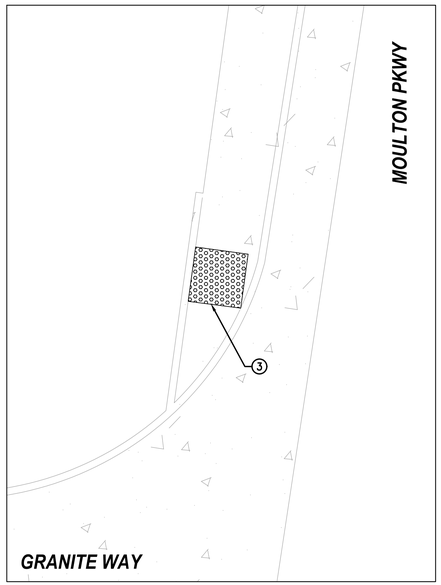
MOULTON PKWY & PRIVATE DRIVEWAY: NW CORNER

CURB RAMP DETAIL #41
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & GRANITE WAY: SW CORNER

CURB RAMP DETAIL #42
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



MOULTON PKWY & GRANITE WAY: NW CORNER

CURB RAMP DETAIL #43
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

N

0 10 20
SCALE: 1" = 10

Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

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RECOMMENDED FOR APPROVAL BY: _____ DATE _____

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
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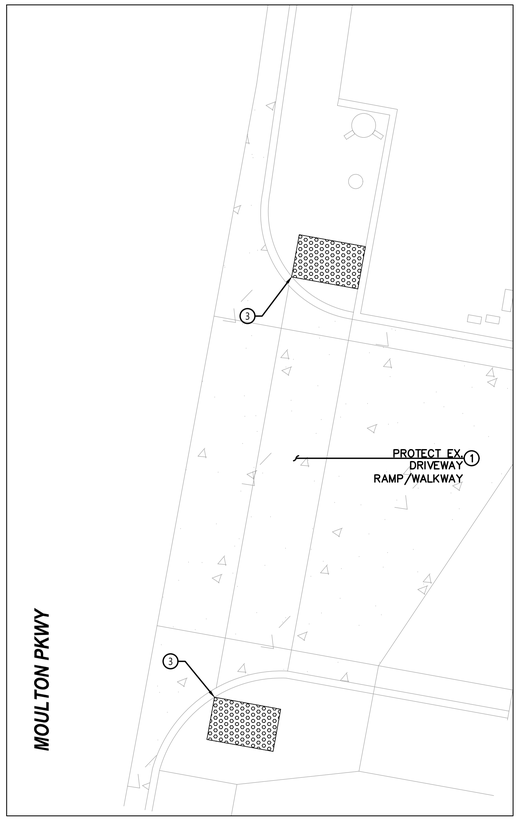
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 7
CURB RAMP IMPROVEMENT PROJECT
CIP 170

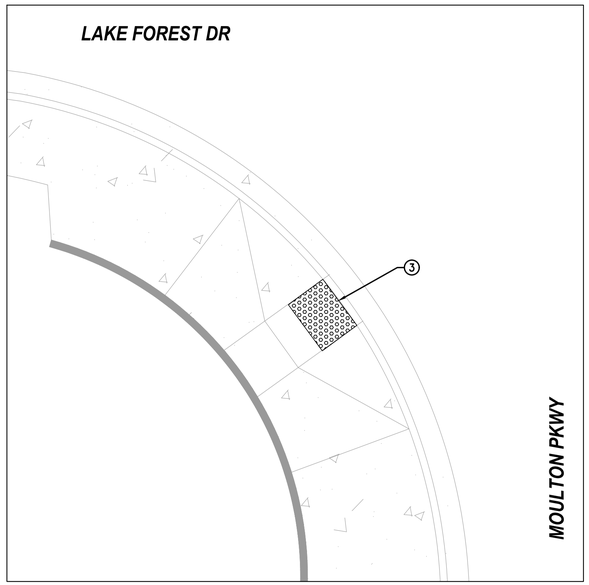
SHEET NO. 9 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\me\me0465d - fy 26-27 cdbg curb ramp replacement\eng\me0465d#ADA01.dwg REVIEWED BY: XXX



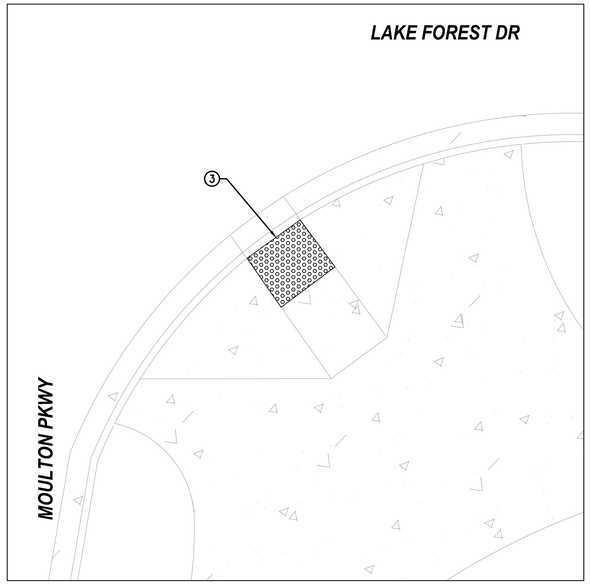
MOULTON PKWY

CURB RAMP DETAIL #44 & #45
ADD TRUNCATED DOMES
1" = 5'



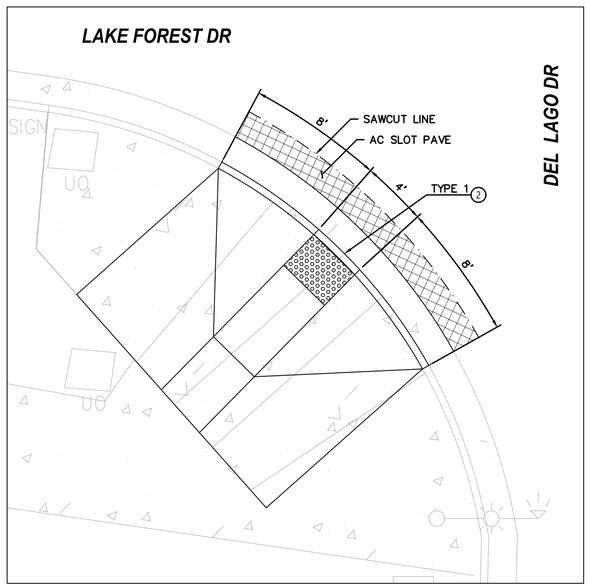
MOULTON PKWY & LAKE FOREST DR: SW CORNER

CURB RAMP DETAIL #46
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



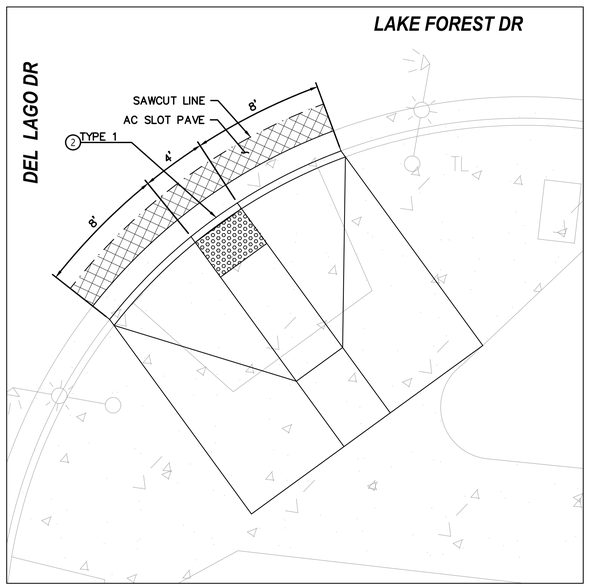
MOULTON PKWY & LAKE FOREST DR: SE CORNER

CURB RAMP DETAIL #47
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



LAKE FOREST DR & DEL LAGO DR: SW CORNER

CURB RAMP DETAIL #48
OCPW STD. PLAN 1115, TYPE 1.
1" = 5"



DEL LAGO DR & LAKE FOREST DR: SE CORNER

CURB RAMP DETAIL #49
OCPW STD. PLAN 1115, TYPE 1.
1" = 5"

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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SCALE: 1" = 10

Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY:

RECOMMENDED FOR APPROVAL BY:

DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
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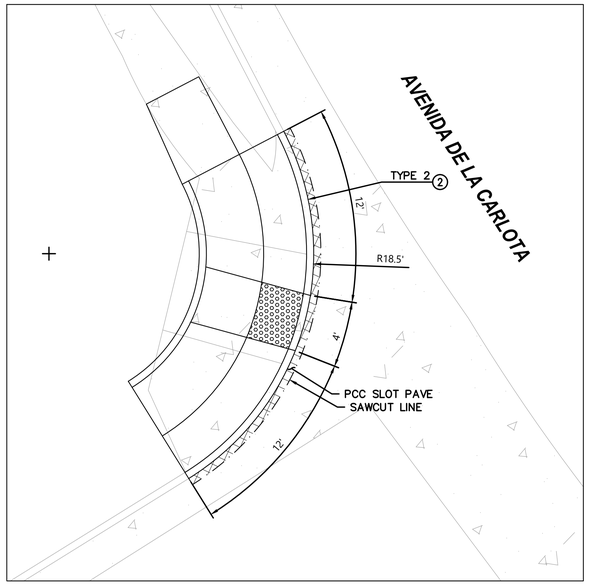
8/31/2025
DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 8
CURB RAMP IMPROVEMENT PROJECT
CIP 170

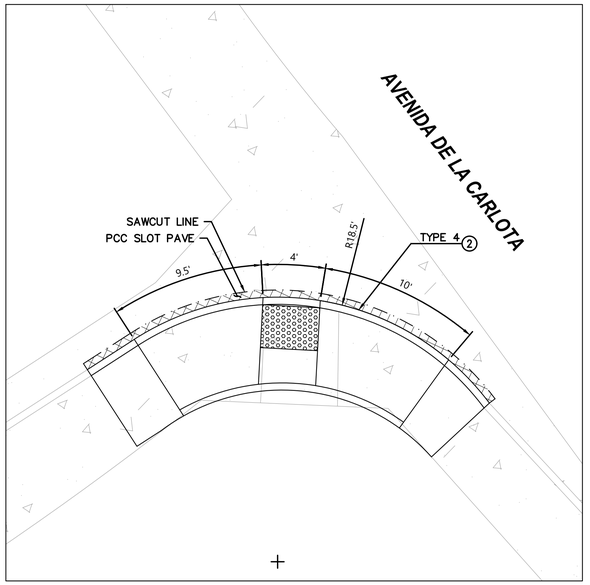
SHEET NO.
10
OF
16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 230461 DRAWING NAME: x:\Engineering\Vne\Vne0465d — fy 26-27 cdbg curb ramp replacement\eng\[ME0465D#10 Curb Ramp Details - 8.dwg]Layout1 PLOT DATE: 9/1/2026 PLOTTED BY: XXX REVIEWED BY: XXX



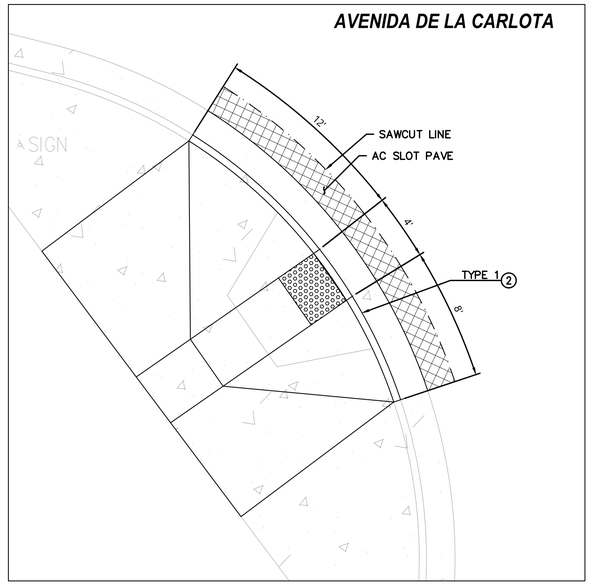
AVENIDA DE LA CARLOTA: WEST CORNER

CURB RAMP DETAIL #50
OCPW STD. PLAN 1115. TYPE 2.
1" = 5"



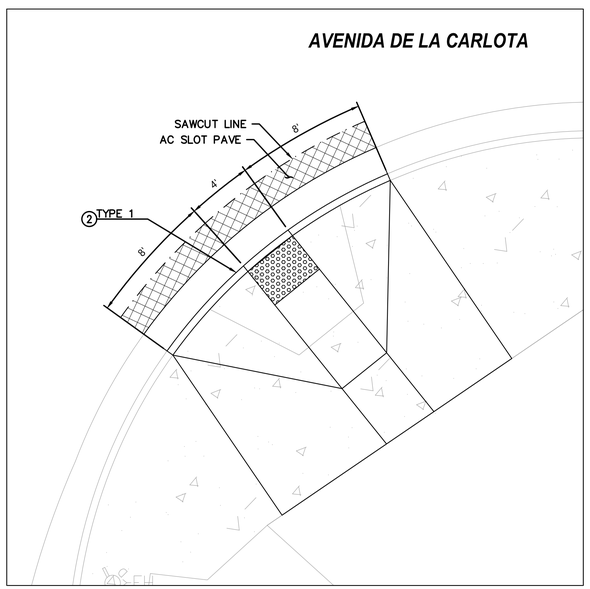
AVENIDA DE LA CARLOTA: SOUTH CORNER

CURB RAMP DETAIL #51
OCPW STD. PLAN 1115. TYPE 4.
1" = 5"



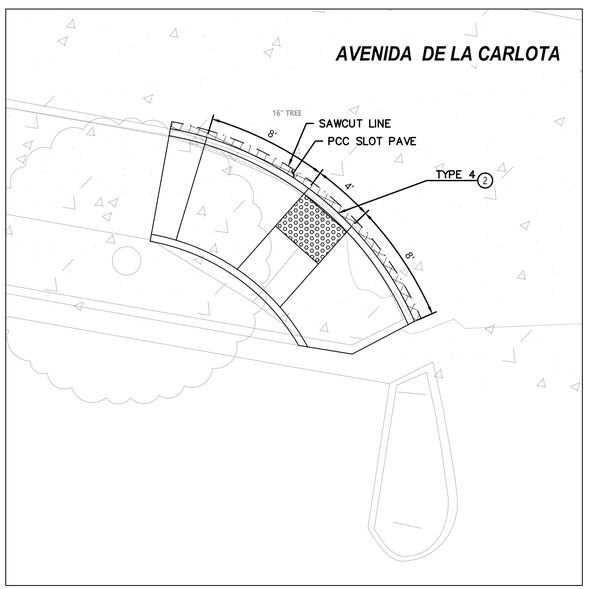
AVENIDA DE LA CARLOTA: SW CORNER

CURB RAMP DETAIL #52
OCPW STD. PLAN 1115. TYPE 1.
1" = 5"



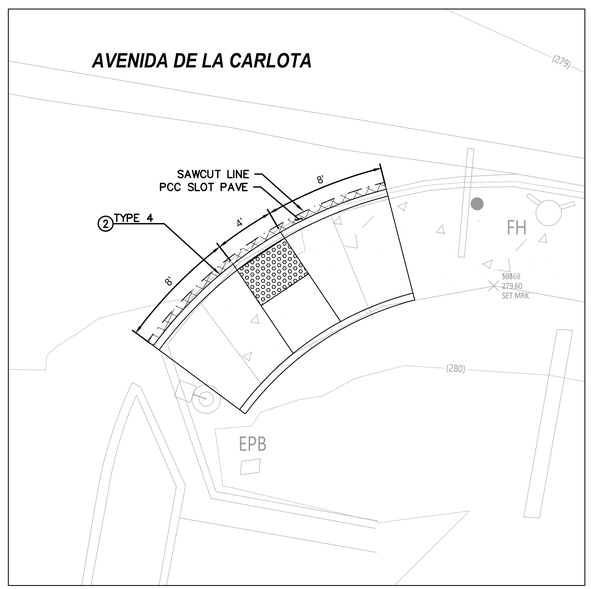
AVENIDA DE LA CARLOTA

CURB RAMP DETAIL #53
OCPW STD. PLAN 1115. TYPE 1.
1" = 5"



AVENIDA DE LA CARLOTA & PRIVATE DRIVEWAY: SW CORNER

CURB RAMP DETAIL #54
OCPW STD. PLAN 1115. TYPE 4.
1" = 5"



AVENIDA DE LA CARLOTA & PRIVATE DRIVEWAY: SE CORNER

CURB RAMP DETAIL #55
OCPW STD. PLAN 1115. TYPE 4.
1" = 5"

CONSTRUCTION NOTES:

① PROTECT IN PLACE.

② REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.

③ REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.

④ ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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N

0 10 20

SCALE: 1" = 10

811 Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
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APPROVED BY: _____ DATE _____

RECOMMENDED FOR APPROVAL BY: _____ DATE _____

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
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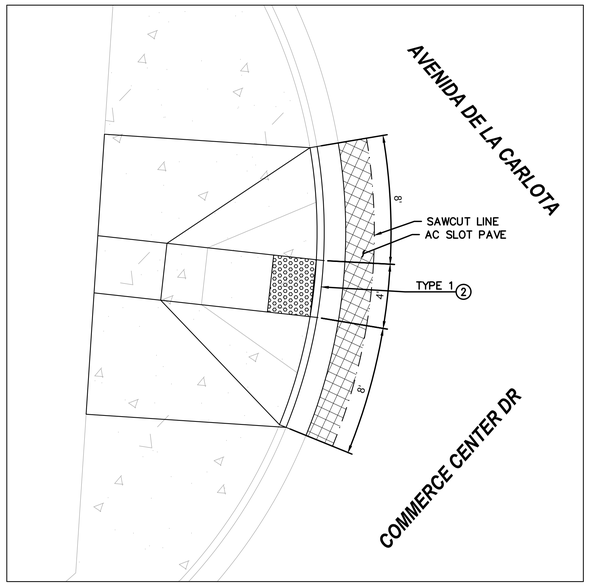
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 9
CURB RAMP IMPROVEMENT PROJECT
CIP 170

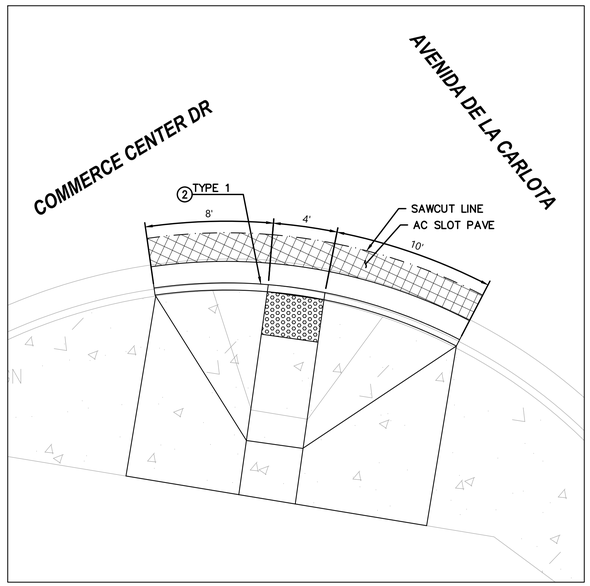
SHEET NO. 11 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\rne\rne0465d – fy 26-27 cdbg curb ramp replacement\eng\ME0465d#Sht01.dwg REVIEWED BY: XXX



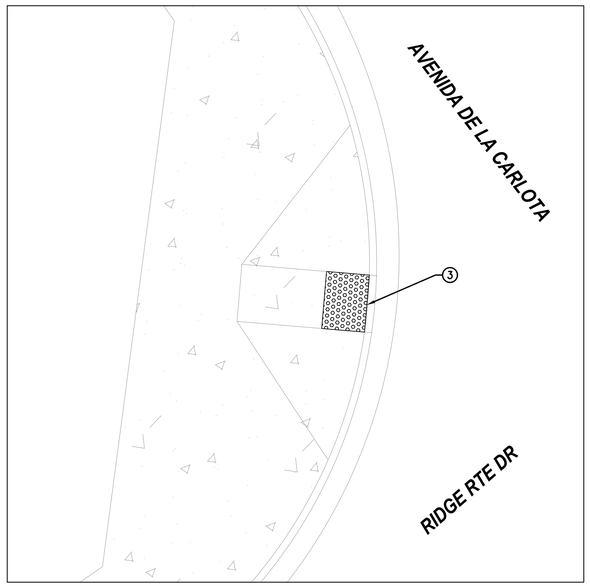
AVENIDA DE LA CARLOTA & COMMERCE CENTER DR: WEST CORNER

CURB RAMP DETAIL #56
OCPW STD. PLAN 1115, TYPE 1.
1" = 5'



AVENIDA DE LA CARLOTA & COMMERCE CENTER DR: SOUTH CORNER

CURB RAMP DETAIL #57
OCPW STD. PLAN 1115, TYPE 1.
1" = 5'



AVENIDA DE LA CARLOTA & RIDGE RTE DR: WEST CORNER

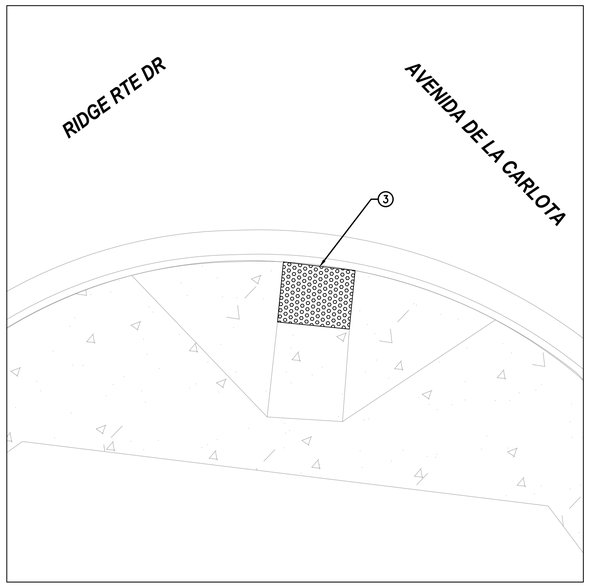
CURB RAMP DETAIL #58
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

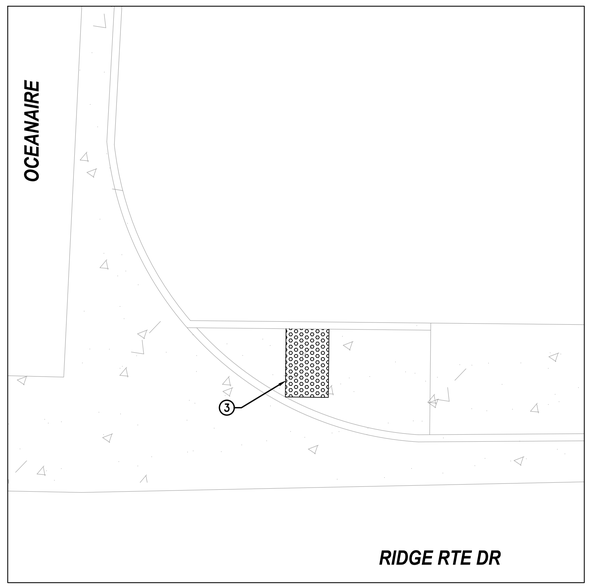
ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.



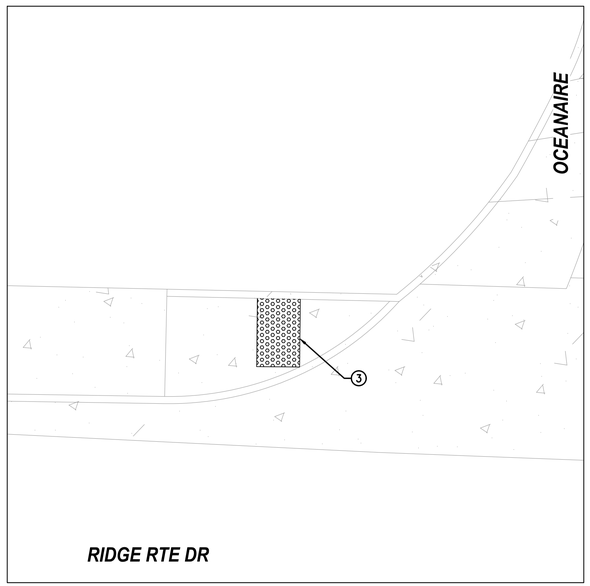
AVENIDA DE LA CARLOTA & RIDGE RTE DR: SOUTH CORNER

CURB RAMP DETAIL #59
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



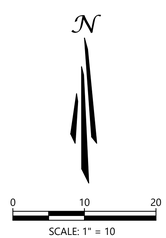
RIDGE RTE DR & OCEANAIRE

CURB RAMP DETAIL #60
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



RIDGE RTE DR & AVENIDA DE LA CARLOTA CORNER

CURB RAMP DETAIL #61
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE _____

RECOMMENDED FOR APPROVAL BY: _____ DATE _____

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No. C46106
Exp. 12/31/2026
CIVIL
STATE OF CALIFORNIA

TAIT & ASSOCIATES
Since 1964
701 North Parkcenter Drive
Santa Ana, CA 92705
p: 714.560.8200
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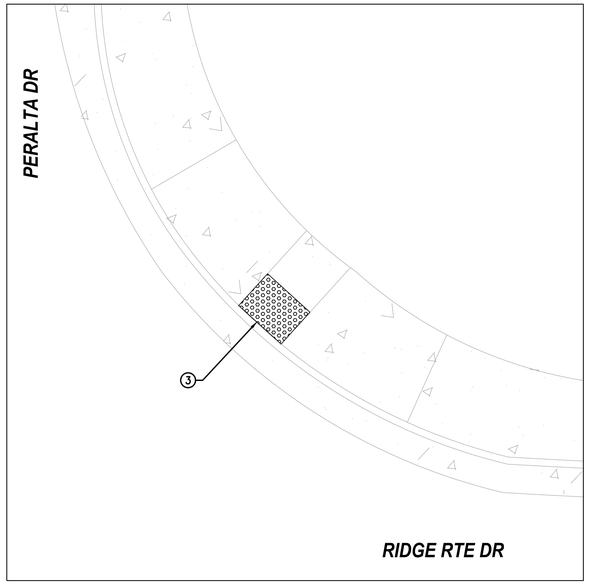
ENGINEERING ENVIRONMENTAL BUILDING LAND
Orange County, San Luis Obispo, Sacramento, Riverside, Denver, Boise, Dallas, Atlanta

PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 10
CURB RAMP IMPROVEMENT PROJECT
CIP 170

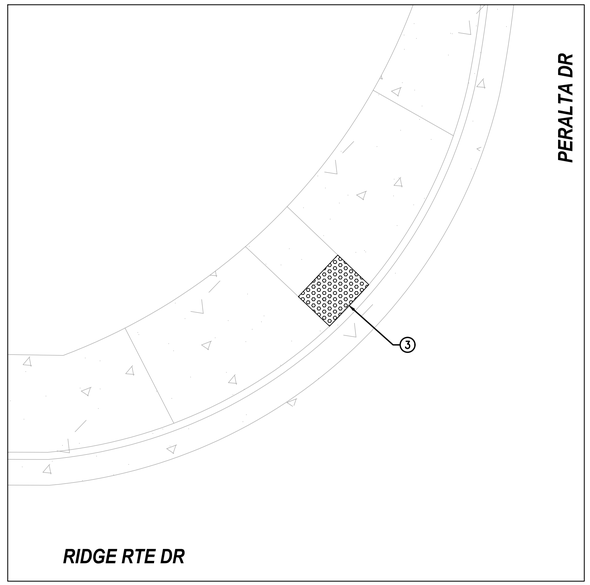
SHEET NO. 12 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\rne\rne0465d – fy 26-27 cdbg curb ramp replacement\eng\[ME0465D#12Rev00]Drawings\rne0465dDetRev00.dwg REVIEWED BY: XXX



RIDGE RTE DR & PERALTA DR

CURB RAMP DETAIL #62
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"



RIDGE RTE DR & PERALTA DR: NW CORNER

CURB RAMP DETAIL #63
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5"

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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N

0 10 20

SCALE: 1" = 10

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NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE

RECOMMENDED FOR APPROVAL BY: _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
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STATE OF CALIFORNIA

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PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS – 11
CURB RAMP IMPROVEMENT PROJECT
CIP 170

SHEET NO.
13
OF
16

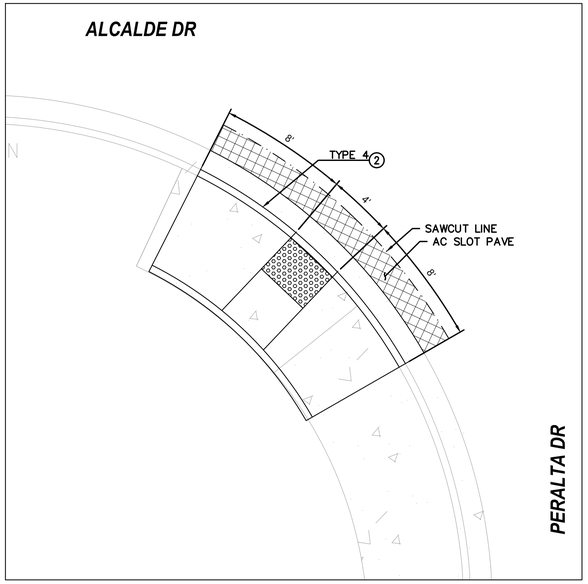
REVIEWED BY: XXX

DRAWING NAME: x:\engineering\me\me0465d - fy 26-27 cdbg curb ramp replacement\eng\SHEETS\me0465d-ramp-details.dwg

JOB NO.: 230461

PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION

DRAWING LAST UPDATED: 9/1/2026

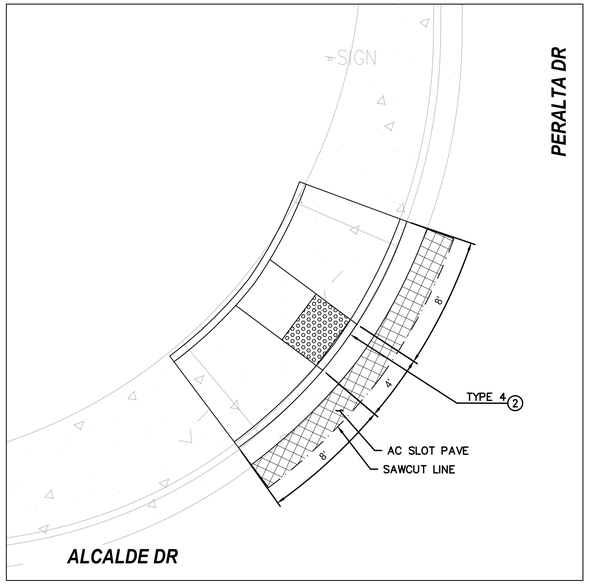


PERALTA DR & ALCALDE DR: SW CORNER

CURB RAMP DETAIL #64

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"

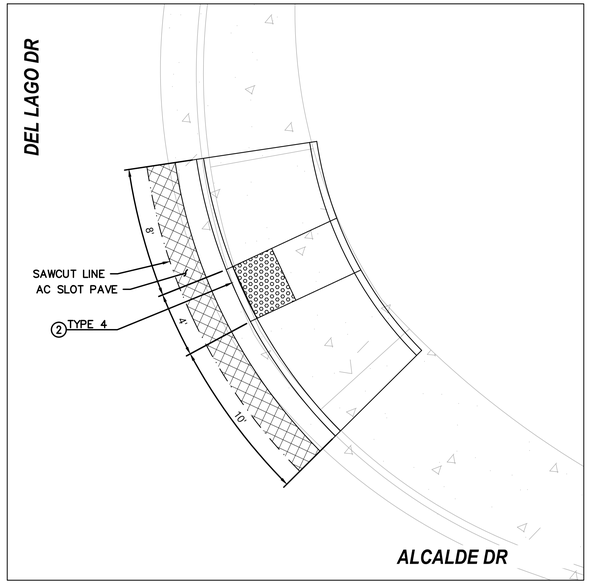


PERALTA DR & ALCALDE DR: NW CORNER

CURB RAMP DETAIL #65

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"



DEL LAGO DR & ALCALDE DR: NE CORNER

CURB RAMP DETAIL #66

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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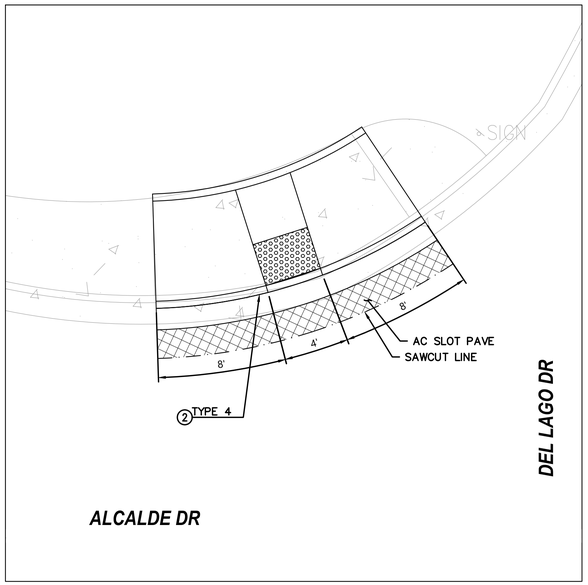
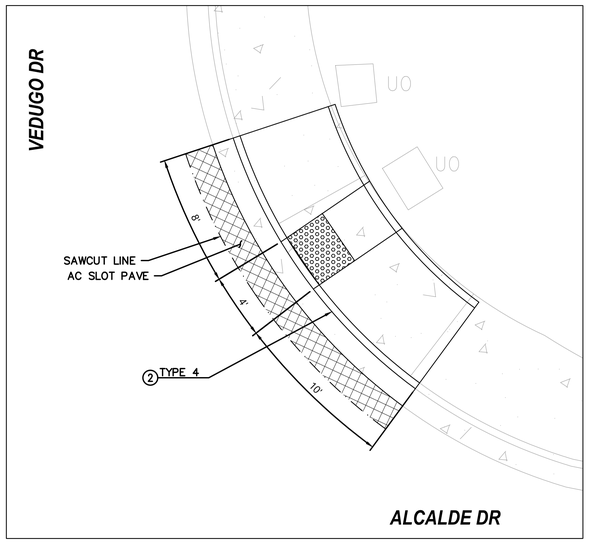


DEL LAGO DR & ALCALDE DR CORNER: NW CORNER

CURB RAMP DETAIL #67

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"

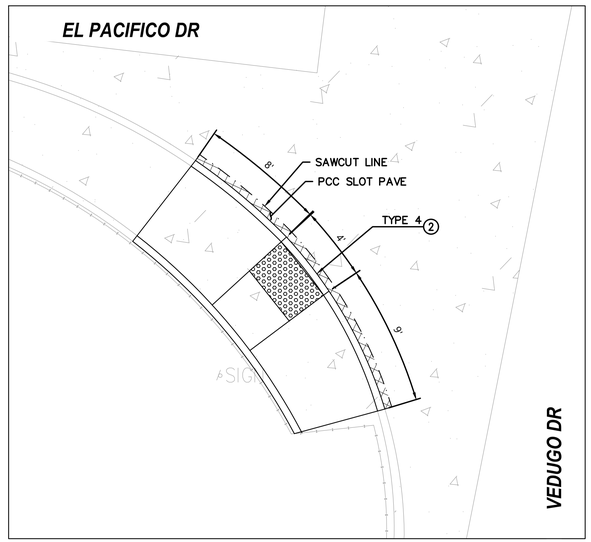


ALCALDE DR & VEDUGO DR: NE CORNER

CURB RAMP DETAIL #68

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"

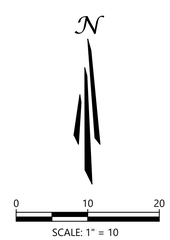


VEDUGO DR & EL PACIFICO DR: SW CORNER

CURB RAMP DETAIL #69

OCPW STD. PLAN 1115. TYPE 4.

1" = 5"



811 Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY:

RECOMMENDED FOR APPROVAL BY:

DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS P. OSTLER
No. C46106
Exp. 12/31/2026
CIVIL
STATE OF CALIFORNIA

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Denver Boise
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PREPARED UNDER THE SUPERVISION OF:

DENNIS POSTLER R.C.E. C46106

8/31/2025
DATE

CITY OF LAGUNA HILLS

RAMP DETAILS A1 – ADDITIVE BID

CURB RAMP IMPROVEMENT PROJECT
CIP 170

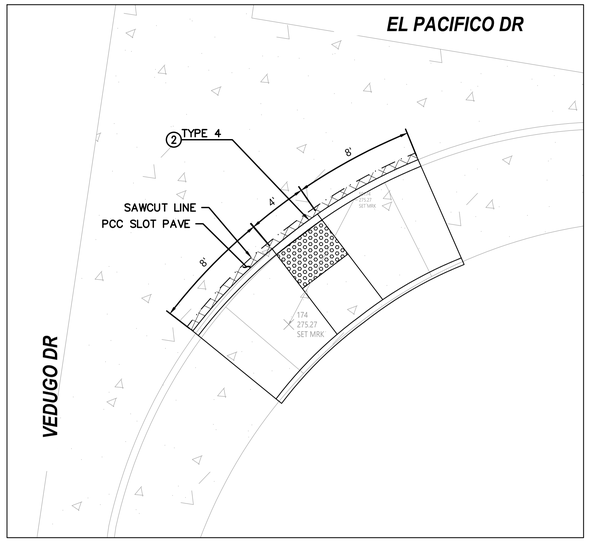
SHEET NO.
14
OF
16

REVIEWED BY: XXX

JOB NO.: 2304161

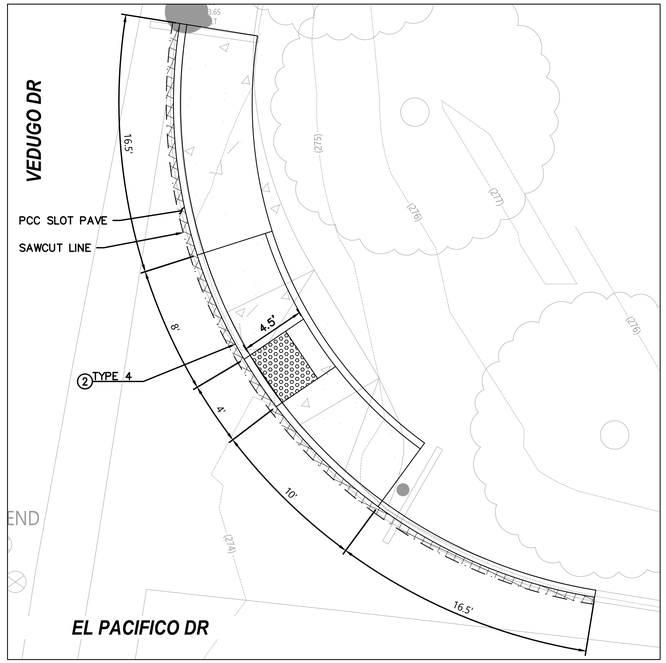
DRAWING NAME: x:\engineering\tne\me0465d - fy 26-27 cdbg curb ramp replacement\engineering\tne\me0465d\drawings\me0465dplan01curbramp.dwg

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION



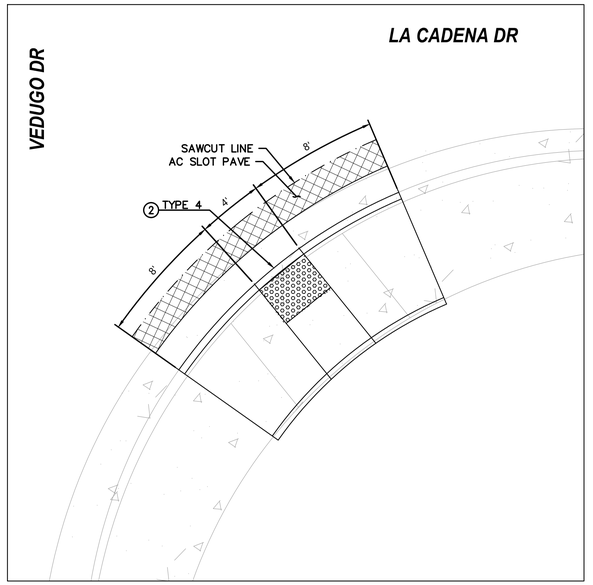
VEDUGO DR & EL PACIFICO DR: SE CORNER

CURB RAMP DETAIL #70
OCPW STD. PLAN 1115. TYPE 4.
1" = 5'



VEDUGO DR & EL PACIFICO DR: NE CORNER

CURB RAMP DETAIL #71
OCPW STD. PLAN 1115. TYPE 4.
1" = 5'



VEDUGO DR & LA CADENA DR: SE CORNER

CURB RAMP DETAIL #72
OCPW STD. PLAN 1115. TYPE 4.
1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE.
2. REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.
3. REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.
4. ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
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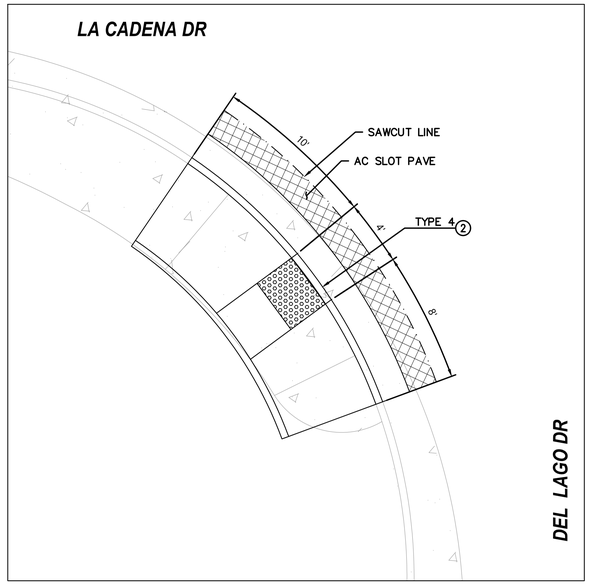
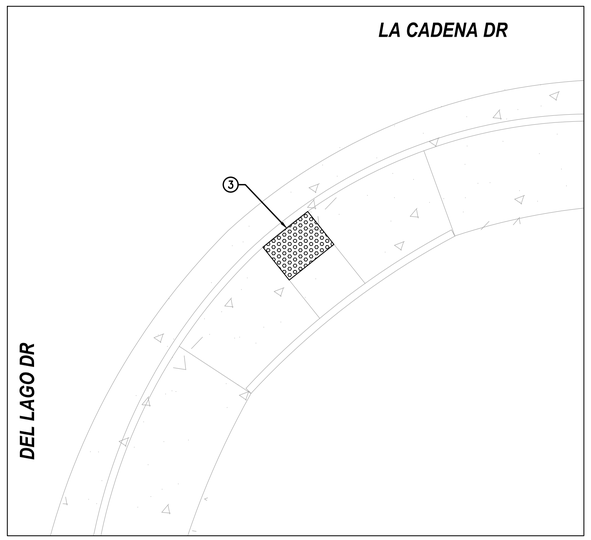


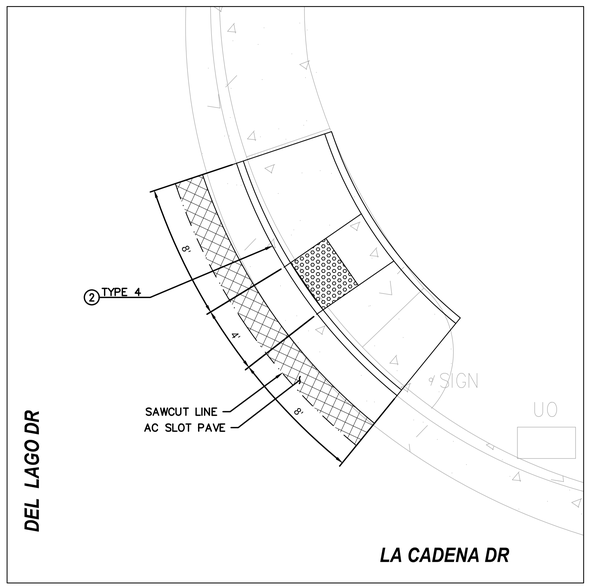
LA CADENA DR & DEL LAGO DR: SW CORNER

CURB RAMP DETAIL #73
OCPW STD. PLAN 1115. TYPE 4.
1" = 5'



LA CADENA DR & DEL LAGO DR: SE CORNER

CURB RAMP DETAIL #74
REMOVE AND REPLACE TRUNCATED DOMES
1" = 5'



DEL LAGO DR & LA CADENA DR: NE CORNER

CURB RAMP DETAIL #75
OCPW STD. PLAN 1115. TYPE 4.
1" = 5'

N

0 10 20
SCALE: 1" = 10

Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ _____

RECOMMENDED FOR APPROVAL BY: _____ _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
CIVIL
STATE OF CALIFORNIA

TAIT & ASSOCIATES
Since 1964
701 North Parkcenter Drive
Santa Ana, CA 92705
p: 714.560.8200
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ENGINEERING ENVIRONMENTAL BUILDING LAND
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PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

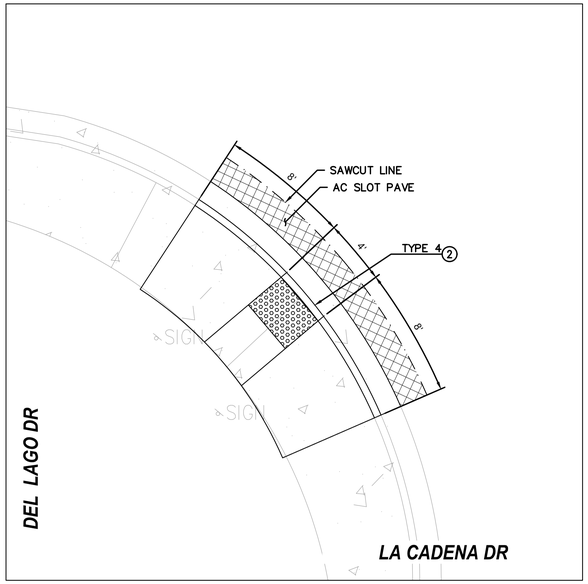
CITY OF LAGUNA HILLS

RAMP DETAILS A2 – ADDITIVE BID

CURB RAMP IMPROVEMENT PROJECT CIP 170

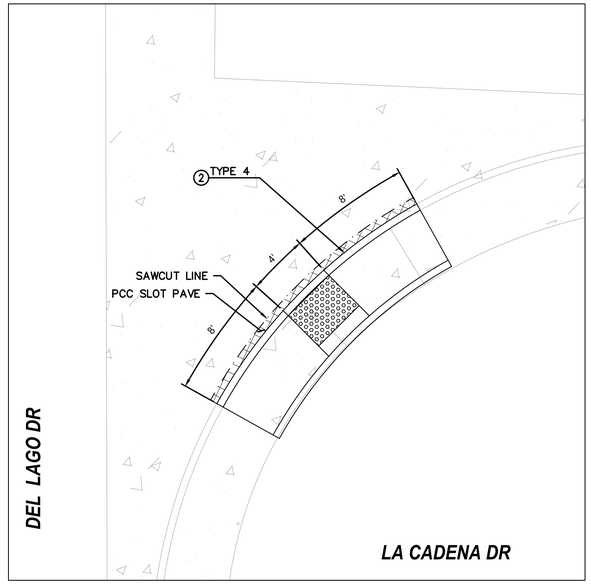
SHEET NO. 15 OF 16

DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 2304161 DRAWING NAME: x:\engineering\me\me0465d - ty 26-27 cdbg curb ramp replacement\eng\08SHEETS\dwg\ME0465D-15.dwg LAYOUT: A2 XXX REVIEWED BY: XXX



DEL LAGO DR & LA CADENA DR: NE CORNER

CURB RAMP DETAIL #76
OCPW STD. PLAN 1115. TYPE 4.
1" = 5"



DEL LAGO DR & LA CADENA DR: NE CORNER

CURB RAMP DETAIL #77
OCPW STD. PLAN 1115. TYPE 4.
1" = 5"

CONSTRUCTION NOTES:

① PROTECT IN PLACE.

② REMOVE & REPLACE CURB RAMP PER OCPW STD. PLAN 1115, CASE AS NOTED, WITH YELLOW TILE TRUNCATED DOMES.

③ REMOVE EXISTING BLUE TRUNCATED DOMES (SAWCUT WITH NO OVER CUTS), AND INSTALL NEW YELLOW TILE TRUNCATED DOMES, PER OCPW STD. PLAN 1115.

④ ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE.

ADA CURB RAMP GENERAL NOTES:

1. PRIOR TO DEMOLITION OF CURB AND GUTTER, SIDEWALK, AND PORTION OF CROSS GUTTER THE SURVEYOR SHALL PROVIDE STAKES AND ELEVATIONS FOR THE EXISTING TOP OF CURB, FLOWLINE AND SIDEWALK BETWEEN BCR AND ECR AND PROVIDE THE CITY WITH CUT SHEET TO BE USED FOR CONSTRUCTION AFTER DEMOLITION.
2. IF EXISTING SURVEY MONUMENTS ARE DISTURBED, CONTRACTOR SHALL NOTE AND PROVIDE NEW CENTERLINE TIES AT APPLICABLE INTERSECTIONS PER STATE LAW. INCLUDING BUT NOT LIMITED TO RESTORING CENTERLINE MONUMENTS.
3. FOR STEEP STREETS TO MAINTAIN 7.5% RAMP WOULD REQUIRE A SUBSTANTIAL WALKWAY TRANSITION LENGTH. Z (MAX) IS LIMITED TO 10 FEET. MODIFICATION PER RAMP TO ADA REQUIREMENT IS ALLOWED PER SUBPART A, SECTION 36.302(A) OF THE "ADA" AND SECTION 4451(F) OF THE CALIFORNIA GOVERNMENT CODE.
4. CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS / RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO REMOVING THE EXISTING RAMPS.
5. THE PROPOSED LAYOUT FOR THE ADA RAMPS ARE APPROXIMATE. CONTRACTOR IN ACCORDANCE WITH STANDARD PLAN CASES SHALL VERIFY EACH LOCATION AND CONFIRM DIMENSIONS, GRADES, TIE INS, LIMITS, AND ALL OTHER REQUIREMENTS TO CONSTRUCT THE NEW ADA RAMPS IN ACCORDANCE WITH STANDARDS AND/OR AS DIRECTED BY THE ENGINEER.
6. WHEN SAW-CUTTING TO REMOVE THE EXISTING RAMPS, THE CONTRACTOR MUST ENSURE THAT THE ADJACENT PCC IS NOT DAMAGED. OVER-CUTS ARE STRICTLY PROHIBITED.
7. ALL EXISTING TRAFFIC SIGNAL LOOPS TO BE PROTECTED IN PLACE. THE CONTRACTOR WILL NOTIFY THE CITY SEVEN DAYS IN ADVANCE IF DISTURBANCE OF ANY TRAFFIC SIGNAL LOOPS IS UNAVOIDABLE. THE CITY WILL MAKE ARRANGEMENTS TO HAVE THE LOOPS REPLACED BY OTHERS. IF THE CONTRACTOR DAMAGES ANY OF THE TRAFFIC LOOPS, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY.

N

0 10 20

SCALE: 1" = 10

Know what's below. Call before you dig.

NO.	DATE	APPR.	REVISION DESCRIPTION

DATE: 8/24/2026
CHECKED:

DATE: 8/24/2026
REVISION #:

DATE:
JOB NO: ME0465D

APPROVED BY: _____ DATE

RECOMMENDED FOR APPROVAL BY: _____ DATE

REGISTERED PROFESSIONAL ENGINEER
DENNIS POSTLER
No.C46106
Exp.12/31/2026
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PREPARED UNDER THE SUPERVISION OF:
DENNIS POSTLER R.C.E. C46106 — 8/31/2025 DATE

CITY OF LAGUNA HILLS
RAMP DETAILS A3 – ADDITIVE BID
CURB RAMP IMPROVEMENT PROJECT
CIP 170

SHEET NO. 16 OF 16

REVIEWED BY: XXX
DRAWING LAST UPDATED: 9/1/2026 PLAN SET: LA PAZ ROAD PAVEMENT REHABILITATION JOB NO.: 230461 DRAWING NAME: x:\engineering\me\me0465d – fy 26-27 cdbg curb ramp replacement\eng\[ME0465D-A3-ADDITIVE BID]XXX

Appendix D –HUD-4010 Federal Labor Standards Provisions

A. APPLICABILITY

The Project or Program to which the construction work covered by this Contract pertains is being assisted by the United States of America, and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

1. Minimum wages and fringe benefits

i. All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in 29 CFR 5.5(d) and (e), the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(v) of these contract clauses; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under 29 CFR 5.5(a)(1)(iii)) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

ii. Frequently recurring classifications

A. In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to 29 CFR 5.5(a)(1)(iii), provided that:

1. The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

2. The classification is used in the area by the construction industry; and

3. The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

B. The Administrator will establish wage rates for such classifications in accordance with 29 CFR 5.5(a)(1)(iii)(A)(3). Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

iii. Conformance

A. The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be

classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

1. The work to be performed by the classification requested is not performed by a classification in the wage determination; and

2. The classification is used in the area by the construction industry; and

3. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

B. The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

C. If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

D. In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

E. The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under 29 CFR 5.5 (a)(1)(iii)(C) and (D). The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to 29 CFR 5.5 (a)(1)(iii)(C) or (D) must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

iv. Fringe benefits not expressed as an hourly rate

Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

v. Unfunded plans

If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in 29 CFR 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

vi. Interest In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding

i. Withholding requirements

The U. S. Department of Housing and Urban Development may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in 29 CFR 5.5(a) for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in 29 CFR 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work (or otherwise working in construction or development of the project under a development statute) all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in 29 CFR 5.5(a)(3)(iv), HUD may on its own initiative and after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

ii. Priority to withheld funds

The Department has priority to funds withheld or to be withheld in accordance with 29 CFR 5.5(a)(2)(i) or (b)(3)(i), or both, over claims to those funds by:

- **A.** A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- **B.** A contracting agency for its reprocurement costs;
- **C.** A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- **D.** A contractor's assignee(s);
- **E.** A contractor's successor(s); or
- **F.** A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901-3907.

3. Records and certified payrolls

i. Basic record requirements

- **A. Length of record retention.** All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.
- **B. Information required** Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.
- **C. Additional records relating to fringe benefits**. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(v) that the wages of any laborer or mechanic include the amount of any

costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

D. **Additional records relating to apprenticeship** Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

ii. **Certified payroll requirements**

A. **Frequency and method of submission** The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to HUD if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the certified payrolls to the applicant, sponsor, owner, or other entity, as the case may be, that maintains such records, for transmission to HUD. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system

B. **Information required** The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i)(B), except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.*, the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the sponsoring government agency (or the applicant, sponsor, owner, or other entity, as the case may be, that maintains such records).

C. **Statement of Compliance** Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

1. That the certified payroll for the payroll period contains the information required to be provided under 29 CFR 5.5(a)(3)(ii), the appropriate information and basic records are being maintained under 29 CFR 5.5 (a)(3)(i), and such information and records are correct and complete;
2. That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly

from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

3. That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

D. Use of Optional Form WH-347 The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by 29 CFR 5.5(a)(3)(ii)(C).

E. Signature The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

F. Falsification The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

G. Length of certified payroll retention The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

iii. Contracts, subcontracts, and related documents The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

iv Required disclosures and access

A. Required record disclosures and access to workers The contractor or subcontractor must make the records required under 29 CFR 5.5(a)(3)(i)–(iii), and any other documents that HUD or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by 29 CFR 5.1, available for inspection, copying, or transcription by authorized representatives of HUD or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

B. Sanctions for non-compliance with records and worker access requirements If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to 29 CFR 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

C. Required information disclosures Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to HUD if the agency is a party to

the contract, or to the Wage and Hour Division of the Department of Labor. If the Federal agency is not such a party to the contract, the contractor, subcontractor, or both, must, upon request, provide the full Social Security number and last known address, telephone number, and email address of each covered worker to the applicant, sponsor, owner, or other entity, as the case may be, that maintains such records, for transmission to HUD, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity

i. Apprentices

A. Rate of pay Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

B. Fringe benefits Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

C. Apprenticeship ratio The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to 29 CFR 5.5(a)(4)(i)(D). Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in 29 CFR 5.5(a)(4)(i)(A), must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

D. Reciprocity of ratios and wage rates Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

ii Equal employment opportunity The use of apprentices and journeyworkers under this part must be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

5 Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6 Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (11), along with the applicable wage determination(s) and such other clauses or contract modifications as the U.S. Department of Housing and
Urban Development may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate.

7 Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8 Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9 Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

i. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or 29 CFR 5.12(a).

ii. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or 29 CFR 5.12(a).

iii. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11 Anti-retaliation It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

- **i.** Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, or 29 CFR parts 1, 3, or 5;
- **ii.** Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, or 29 CFR parts 1, 3, or 5;
- **iii.** Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, or 29 CFR parts 1, 3, or 5; or
- **iv.** Informing any other person about their rights under the DBA, Related Acts, or 29 CFR parts 1, 3, or 5.

B. Contract Work Hours and Safety Standards Act (CWHSSA)

The Agency Head must cause or require the contracting officer to insert the following clauses set forth in 29 CFR 5.5(b)(1), (2), (3), (4), and (5) in full, or (for contracts covered by the Federal Acquisition Regulation) by reference, in any contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses must

be inserted in addition to the clauses required by 29 CFR 5.5(a) or 4.6. As used in this paragraph, the terms "laborers and mechanics" include watchpersons and guards.

1. **Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
2. **Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in 29 CFR 5.5(b)(1) the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchpersons and guards, employed in violation of the clause set forth in 29 CFR 5.5(b)(1), in the sum of $31 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in 29 CFR 5.5(b)(1).
3. **Withholding for unpaid wages and liquidated damages**

i. **Withholding process** The U.S Department of Housing and Urban Development or the recipient of Federal assistance may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in 29 CFR 5.5(b) on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in 29 CFR 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

ii **Priority to withheld funds** The Department has priority to funds withheld or to be withheld in accordance with 29 CFR 5.5(a)(2)(i) or (b)(3)(i), or both, over claims to those funds by:

- **A.** A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- **B.** A contracting agency for its reprocurement costs;
- **C.** A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- **D.** A contractor's assignee(s);
- **E.** A contractor's successor(s); or
- **F.** A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901-3907.

4. ***Subcontracts***. The contractor or subcontractor must insert in any subcontracts the clauses set forth in 29 CFR 5.5(b)(1) through (5) and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in 29 CFR 5.5(b)(1) through (5). In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss,

due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5 Anti-retaliation It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

- **i.** Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in 29 CFR part 5;
- **ii.** Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or 29 CFR part 5;
- **iii.** Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or 29 CFR part 5; or
- **iv.** Informing any other person about their rights under CWHSSA or 29 CFR part 5.

C. CWHSSA required records clause In addition to the clauses contained in 29 CFR 5.5(b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other laws referenced by 29 CFR 5.1, the Agency Head must cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor must maintain regular payrolls and other basic records during the course of the work and must preserve them for a period of 3 years after all the work on the prime contract is completed for all laborers and mechanics, including guards and watchpersons, working on the contract. Such records must contain the name; last known address, telephone number, and email address; and social security number of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid; daily and weekly number of hours actually worked; deductions made and actual wages paid. Further, the Agency Head must cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph must be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview workers during working hours on the job.

D. Incorporation of contract clauses and wage determinations by reference Although agencies are required to insert the contract clauses set forth in this section, along with appropriate wage determinations, in full into covered contracts, and contractors and subcontractors are required to insert them in any lower-tier subcontracts, the incorporation by reference of the required contract clauses and appropriate wage determinations will be given the same force and effect as if they were inserted in full text.

E. Incorporation by operation of law The contract clauses set forth in this section (or their equivalent under the Federal Acquisition Regulation), along with the correct wage determinations, will be considered to be a part of every prime contract required by the applicable statutes referenced by 29 CFR 5.1 to include such clauses, and will be effective by operation of law, whether or not they are included or incorporated by reference into such contract, unless the Administrator grants a variance, tolerance, or exemption from the application of this paragraph. Where the clauses and applicable wage determinations are effective by operation of law under this paragraph, the prime contractor must be compensated for any resulting increase in wages in accordance with applicable law.

F. HEALTH AND SAFETY

The provisions of this paragraph (F) are applicable where the amount of the prime contract exceeds **$100,000**.

1. No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his or her health and safety, as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.
2. The contractor shall comply with all regulations issued by the Secretary of Labor pursuant to 29 CFR Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96), 40 U.S.C. § 3701 et seq.
3. The contractor shall include the provisions of this paragraph in every subcontract, so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Amendment No. 1 to Professional Services Agreement with Advantec Consulting Engineers, Inc. for Regional Traffic Signal Synchronization Program for Avenida de la Carlota

Recommendation: That the City Council: 1. Approve Amendment No. 1 to Professional Services Agreement with Advantec Consulting Engineers, Inc. for Regional Traffic Signal Synchronization Program for Avenida de la Carlota; 2. Authorize the City Attorney to make minor modifications as may be necessary to execute the Amendment; and 3. Authorize the City Manager to sign the Amendment.

Background:

The City of Laguna Hills was awarded funding through the Orange County Transportation Authority's (OCTA) FY 2025/2026 Project P – Regional Traffic Signal Synchronization Program. The grant-funded project proposed to upgrade and synchronize 8 signalized intersections along Avenida de la Carlota from Lake Forest Drive to Los Alisos Boulevard. These improvements will include construction to provide new and updated traffic signal-related equipment including new traffic signal controllers, CCTV and fiber optic communication network to the Traffic Management Center.

The Regional Traffic Signal Synchronization Program – Avenida de la Carlota Corridor Project (CIP No. 168-N) is included in the City's FY 2025-2026 Capital Improvement Program as a regional initiative focused on traffic signal coordination and corridor efficiency.

The first step in implementing this project was to award an agreement for project design services. Advantec Consulting Engineers, Inc. was identified as the most

qualified consultant to provide the design engineering, traffic systems integration, and technical support services necessary to complete both the Primary Implementation (PI) and Operations and Maintenance (O&M) phases of the project.

On January 27, 2026, City Council awarded a Professional Services Agreement to Advantec Consulting Engineers, Inc. in the amount of $146,500 for engineering design, traffic signal timing services, and technical support related to the Regional Traffic Signal Synchronization Program – Avenida de la Carlota Corridor Project.

During the review of the project, City staff recognized the need to expand the current design scope for the Avenida De La Carlota RTSSP to include fiber optic communication improvements to two additional roadway segments to provide redundant connectivity and to tie in existing traffic signals to the future fiber optic cable network:
• Lake Forest Drive, from Avenida De La Carlota to Moulton Parkway (approx. 1,800 ft.); and
• Los Alisos Boulevard, from Avenida De La Carlota to Paseo De Valencia (approx. 1,460 ft.)

Amendment No. 1 allows for this design work to be performed. If approved, the additional segments will be added to the current tasks and schedules, and will include additional field work, preparation of plan sheets and estimates. This work will likely be bid as an "additive bid" to verify this additional work fits within the overall construction budget.

The infrastructure design plans are expected to be complete by the end of the year to allow for the start of construction in early 2027.

Fiscal Impact:

Sufficient budget exists in CIP 168 for this work. The balance available in CIP 168 for City matching funds is $1,177,279 as of the end of FY 2025-2026 (June 30, 2026).

Attachments:

1. Proposed Amendment No. 1 to Advantec Consulting Engineers PSA
2. Exhibit A to Proposed Amendment No. 1
3. Existing Professional Services Agreement - Advantec - Carlota RTSSP

AMENDMENT NO. 1
TO PROFESSIONAL SERVICES AGREEMENT
Advantec Consulting Engineers, Inc.
Regional Traffic Signal Synchronization Program for
Avenida De La Carlota Corridor Project

THIS FIRST AMENDMENT to the Professional Services Agreement (the "Amendment" or "Amendment No. 1") is made and entered into to be effective this 8th day of September 2026, by and between the CITY OF LAGUNA HILLS, a municipal corporation organized and existing under the laws of the State of California, (hereinafter referred to as "City") and Advantec Consulting Engineers, Inc, a corporation (hereinafter referred to as "Consultant"). City and Consultant are sometimes hereinafter individually referred to as "Party" and are hereinafter collectively referred to as "Parties".

RECITALS

A. City and ADVANTEC CONSULTING ENGINEERS, INC. previously entered into that certain Professional Services Agreement which was made and entered into on January 27, 2026 and ending on January 27, 2029 (the "Agreement"). Sections 1.8 (Additional Services), 2.4 (Changes in Scope), 3.4 (Term), and 10.3 (Entire Agreement) of the Agreement provide that the Agreement may be amended to provide for additional services, the term extended, and to include additional fees for services requested in writing at any time by mutual consent of the Parties. More specifically, Section 1.8 of the Agreement provides that no extra work may be undertaken unless approved by the City and the Maximum Contract Amount is adjusted.

B. City desires for Consultant to add to the Scope of Services by expanding the current design scope for the Avenida De La Carlota RTSSP to include fiber optic communication improvements to two additional roadway segments:
• Lake Forest Drive, from Avenida De La Carlota to Moulton Parkway (approx. 1,800 ft.), and
• Los Alisos Boulevard, from Avenida De La Carlota to Paseo De Valencia (approx. 1,460 ft.)

C. Consultant submitted a proposal dated July 21, 2026 to provide additional design services, attac.

D. Parties now mutually desire to enter into this Amendment No. 1 for the purpose of amending the scope of work to include the additional design work, as well as to increase the Maximum Contract Amount set forth in Section 2.1 of the Agreement by Fourteen Thousand Three Hundred Seventy Dollars ($14,370) from One Hundred Forty Six Thousand Five Hundred Dollars ($146,500) to One Hundred Sixty Thousand Eight Hundred Seventy Dollars ($160,870).

NOW, THEREFORE, in consideration of the mutual promises and covenants herein, the Parties agree as follows:

AGREEMENT

1. Maximum Contract Amount. Pursuant Section 2.1 of the Original Agreement, the Parties hereby agree to increase the Maximum Contract Amount to One Hundred Sixty Thousand Eight Hundred Seventy Dollars ($160,870) (hereinafter referred to as the "Maximum Contract Amount"). Compensation shall be payable according to the fees and at the rates, charges and unit prices set forth in Exhibit A, attached hereto and incorporated herein.

2. Full Force and Effect. This Amendment No. 1 is supplemental to the Agreement and is by reference made part of said Agreement. All of the terms, conditions, and provisions, thereof, unless specifically modified herein, shall continue in full force and effect. In the event of any conflict or inconsistency between the provisions of this Amendment and any provisions of the Agreement, the provisions of this Amendment No. 1 shall in all respects govern and control.

3. Recitals. The above-referenced Recitals are hereby incorporated into this Amendment No. 1 as though fully set forth herein and made part of the Agreement and each Party acknowledges and agrees that such Party is bound, for purposes of this Agreement, by the same.

4. Corporate Authority. Each of the undersigned represents and warrants that (i) the Party for which he/she is executing this Amendment is duly authorized and existing, (ii) he/she is duly authorized to execute and deliver this Amendment on behalf of the Party for which he/she is signing, (iii) by so executing this Amendment, the Party for which he/she is signing is formally bound to the provisions of this Amendment, and (iv) the entering into this Amendment does not violate any provision of any other agreement to which the Party for which he/she is signing is bound.

[*SIGNATURES ON NEXT PAGE]*

IN WITNESS WHEREOF, the Parties have executed and entered into this Amendment to the Agreement as of the date first written above.

"**CITY"**
CITY OF LAGUNA HILLS**,** a California municipal corporation

By: _____
Don Caskey,
Mayor

ATTEST:

By:_____
JOSHUA STEVENSON,
City Clerk

APPROVED AS TO FORM:

By:_____
VANESSA LASSOOY,
Assistant City Attorney

"CONSULTANT"
WSP USA, Inc, a corporation

By:_____
CARLOS A. ORTIZ, PE, TE, PTOE,
Chief Executive Officer/Principal

By:_____
PAULINE YIP,
Secretary

EXHIBIT A

Scope of Additional Design Services and Cost Proposal

ADVANTEC

Because We Care

July 21, 2026

Bill Zimmerman
Project Manager Consultant
City of Laguna Hills
24035 El Toro Road, Laguna Hills, CA 92653

SUBJECT: Proposal to Provide Additional Design Services for the Avenida De La Carlota RTSSP Project – Amendment #1

Mr. Zimmerman,

ADVANTEC Consulting Engineers, Inc. (ADVANTEC), is pleased to present our proposal to provide additional design services for the Avenida De La Carlota RTSSP project, Amendment #1.

ADVANTEC appreciates the opportunity to submit this letter proposal and looks forward to continuing working with the City. Our proposed scope of services and fees are detailed in Exhibit A and B, respectively. If you have questions, please feel free to contact me at (949) 278-7840 or joseguedes@advantec-usa.com.

Sincerely,
ADVANTEC Consulting Engineers, Inc.

Jose Guedes, TE
Project Manager

City of Laguna Hills

Approved By: _____

Date: _____

EXHIBIT A

SCOPE OF WORK FOR

PROVIDE ADDITIONAL DESIGN SERVICES FOR THE AVENIDA DE LA CARLOTA RTSSP PROJECT AMENDMENT #1

PROJECT UNDERSTANDING

The City of Laguna Hills would like to expand the current design scope for the Avenida De La Carlota RTSSP to include fiber optic communication improvements to two additional roadway segments:

- Lake Forest Drive, from Avenida De La Carlota to Moulton Parkway (approx. 1,800 ft.), and
- Los Alisos Boulevard, from Avenida De La Carlota to Paseo De Valencia (approx. 1,460 ft.)

The additional segments will be added to the current tasks and schedules, and will include additional field work, preparation of plan sheets and estimates.

SCOPE OF WORK

Task 1: Data Collection and Field Review

ADVANTEC will coordinate with City staff, collect and review available data for use and reference associated with the project proposed improvements such as, as-built plans (roadway, signing/striping, traffic signal, communications, etc.), City Standard Plans/Drawings, specifications, aerial photos, maps, and/or requirements. In addition, ADVANTEC will coordinate with City staff and collect information for other on-going projects, planned projects or projects under construction.

Field Review - ADVANTEC's Senior Traffic Engineers/Field Technicians will conduct a thorough field review at each project signalized intersection and along the project area. Our field review will consist, but not limited to collecting the following:

- ✓ All roadway features including curb lines, property lines, edges of pavement, edges of paved sidewalks, curb returns, curb ramps, driveways and bus pads.
- ✓ Traffic signal poles and equipment, and existing ITS equipment (CCTV cameras, emergency vehicle preemption (EVP/GPS), video detection, etc.).
- ✓ Communication type and associated equipment (e.g. Ethernet switches, fiber distribution units, splice closures, splice vaults and cabinets, fiber optic cable, twist-pair/copper cable, termination blocks, etc.).
- ✓ Communication conduit sizes, pull boxes, conduit sweeps, and cables.
- ✓ Nearby underground utilities, cabinets, sub-structures, basements and vaults; and nearby aboveground structures (including bus shelters), aboveground cable and permanent street furniture.
- ✓ Other field conditions that might affect a design decision.
- ✓ Digital photos of all existing equipment inside signal cabinets.

Deliverables – Task 1

1. Data collection, as-built plans, planned and programmed improvements matrix.
2. Field review, field review notes, and photos.

Task 2: System Design and Construction Support

Sub-Task 2.1 Plans and Estimates (PS&E) - ADVANTEC will provide preliminary and final design engineering services for the preparation of PS&E of various traffic signal equipment, intelligent transportation systems (ITS),

communications upgrades, and central system integration at city's Traffic Management Center (TMC). ADVANTEC will work directly with the City and Partner Agencies, and Caltrans at the outset of conceptual design to identify the most cost effective and efficient approach to design plans. We will coordinate with the City and participating agencies to assess the special construction requirements necessary to complete the project. The following summarizes our scope of work under this task to complete bid ready documentation (PS&E) to be advertised for award and construction.

FINAL ENGINEERING – PS&E (60%, 90% AND FINAL SUBMITTALS)

DESIGN PLANS

ADVANTEC will advance the design to the preliminary and final PS&E stages (60%, 90% and Final Submittals). The fiber optic communication plans will conform to the City's requirements and will be prepared in AutoCAD at 1"= 40' or 1"=20' scale on 24"x36" City of Laguna Hills title block. The PS&E will also be in conformance with the corresponding latest editions of Standard Specifications for Public Works Construction (Greenbook); American Public Works Association (APWA) Standard Plans for Public Works Construction; and Caltrans Standard Specifications and Standard Plans; California Manual on Uniform Traffic Control Devices (CAMUTCD) and applicable design standards. All plans will be prepared by a registered Civil Engineer in the State of California. Based on our assessment of the proposed improvements and associated details, we believe a total of **4 sheets** will be necessary. The following table provides a breakdown of the number of sheets, plan types, and details sheets.

Description	Scale	No. Sheets
Fiber Optic Communication Plans	1:40	2
Project Improvements/Communications Schematic Plan (Expansion from original)	No scale	1
Detail Sheet: Fiber assignment details (added 3 Locations)	No scale	1
Total Sheets		**4**

CONSTRUCTION QUANTITY TAKE-OFFS AND CONSTRUCTION COST ENGINEER'S ESTIMATES

ADVANTEC will prepare construction quantity take-offs and construction cost engineer's estimates for the proposed improvements. The unit costs will be based on current cost data and historical cost data associated with the identified bid items. Preliminary and final quantities and construction cost estimates will be provided.

Sub-Task 2.2: Construction Support and As-Built Plans - ADVANTEC will provide construction support services for the construction plans and specification interpretation and consultation during construction phases of the project including but not limited to the following:

- ✓ Review and evaluate bid and attend pre-construction meeting
- ✓ Review and respond to Contractor inquiries and Request for Information (RFI)
- ✓ Assist with Change Order (CO) work requests from the City or Contractor
- ✓ Review and respond to shop drawing submittal for conformity with the plans and specifications.
- ✓ As-built drawings will be prepared based upon completion of the project and the Contractors redlined plans. Final submittals include AutoCAD files, PDF files, and final Mylar printed record drawings
- ✓ In addition, ADVANTEC has our in-house Systems Engineer (John Cox), that can provide Contractor oversight when integrating the new traffic signals controllers, communications, and ITS elements from the field back to City Hall

ADVANTEC will provide on-site construction support for Contractor oversight during the installation of traffic signal, communications, and ITS equipment. This includes the installation of conduits, pull boxes, fiber patch panels, splice enclosures, Ethernet switches, advanced traffic controllers (ATC), and CCTV cameras. ADVANTEC will coordinate with the Contractor and vendors to determine the installation schedule. As part of our on-site service, we will confirm installations are completed per plans, specifications, and manufacturer requirements including set up per City requirements.

Deliverables – Task 2

1. Plans (4 sheets), Specifications, and Estimates (PS&E) at 60%, 90%, 100% Submittals. Electronic files (PDF) and full-size bond copies (up to 4 copies) will be provided for each submittal
2. Final Mylar (2 sheets) and full-size bond copies (2 copies) will be provided for the final submittal including a PDF of the plan set and MicroStation/AutoCAD files
3. Construction support services.
4. As-Built Drawings

PROPOSED SCHEDULE

ADVANTEC will start Tasks 1 to 2 within one week of receiving the notice to proceed.

EXHIBIT B

FEE SCHEDULE

Compensation for our personnel directly engaged in the work outlined above will be billed on a fixed fee basis. **We propose a "not to exceed" fee of $14,370.** for the scope of work described in Task 1 and 2 above. We will not exceed the fee amount without written authorization.

ADVANTEC Consulting Engineers Task/ Subta Description	Project Manager Jose Guedes $270	Task Leader John Dorado $330	Task Leader John Cox $210	Project Engineer V-1 Support Staff $170	Associate Engineer Support Staff $140	Assistant Engineer Support Staff $130	Other Direct Costs	Total Hours	TOTAL LABOR	Total Cost
1 Data Collection and Field Review	**1**			**8**			**$100**	**9**	**$1,630**	**$1,730**
Field Review	*1*			*8*			*$100*	*9*	*$1,630*	*$1,730*
2 System Design and Construction Support	**3**	**3**	**3**	**7**	**24**	**42**	**$200**	**82**	**$12,440**	**$12,640**
2.1 Plans and Estimates (PS&E) - (itemized below)	***2***	***3***	***2***	***7***	***24***	***40***	***$120***	***78***	***$11,700***	***$11,820***
Design Plans (4 sheets)	*1*	*2*	*2*	*6*	*24*	*32*	*$120*	*67*	*$9,890*	*$10,010*
Engineer's Estimates	*1*	*1*		*1*		*8*		*11*	*$1,810*	*$1,810*
2.2 Construction Support and As-Built	***1***		***1***			***2***	***$80***	***4***	***$740***	***$820***
PHASE I - Total Hours	**4**	**3**	**3**	**15**	**24**	**42**		**91**		
PHASE I - Total Cost	**$ 1,080**	**$ 990**	**$ 630**	**$ 2,550**	**$ 3,360**	**$ 5,460**	**$300**		**$14,070**	**$14,370**
									GRAND TOTAL FEE (Not-To-Exceed)	**$14,370**

PROFESSIONAL SERVICES AGREEMENT
Advantec Consulting Engineers, Inc.
Regional Traffic Signal Synchronization Program for
Avenida De La Carlota Corridor Project

THIS PROFESSIONAL SERVICES AGREEMENT (hereinafter "Agreement") is made and entered into, to be effective the 27th day of January 2026, by and between the CITY OF LAGUNA HILLS, a municipal corporation organized and existing under the laws of the State of California, (hereinafter referred to as "City") and ADVANTEC CONSULTING ENGINEERS, INC., a California corporation (hereinafter referred to as "Consultant"). City and Consultant are sometimes hereinafter individually referred to as "Party" and are hereinafter collectively referred to as the "Parties."

RECITALS

A. City has determined that there is a need to retain the professional services of a qualified multidiscipline civil engineering firm specializing in municipal traffic and transportation engineering, with specialized expertise with multijurisdictional traffic signal coordination and the Regional Traffic Signal Synchronization Program (RTSSP), to provide the City with traffic engineering consulting services to develop and optimize signal synchronization timing of the traffic signals along the Avenida De La Carlota Corridor Project (the "Project").

B. In response to City's Request for Proposals (RFP), Consultant has submitted to City a proposal, dated October 30, 2025, to provide the City with professional civil engineering and traffic engineering consulting services for the Project pursuant to the terms of this Agreement.

C. Consultant represents and maintains that it is uniquely qualified by virtue of its experience, training, education, reputation, and technical expertise to provide the professional civil engineering and traffic engineering consulting services to City for the Project and has agreed to provide such consulting services as provided herein. City does not have the personnel, training, certification, specialized equipment, or technical expertise necessary to perform the work and services contracted for herein.

D. City desires to retain Consultant to provide such professional consulting services for the Project.

NOW, THEREFORE, in consideration of the promises and mutual obligations, covenants, and conditions contained herein, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

AGREEMENT

1. SERVICES OF CONSULTANT

1.1 Scope of Services and Standard of Performance. In compliance with all terms and conditions of this Agreement, Consultant agrees to provide and perform professional civil engineering and traffic engineering consulting services for the Project as set forth in the

Consultant's Proposal/Scope of Work, dated October 30, 2025, and as set forth in City's Request for Proposal/Project Specifications, which are both attached hereto as Exhibit "A" and Exhibit "B" respectively and are incorporated herein by reference (hereinafter referred to as the "Scope of Services," the "Services" or "Work"). As a material inducement to the City entering into this Agreement, Consultant acknowledges and understands that the Services and Work contracted for under this Agreement require specialized skills and abilities and that, consistent with this understanding, Consultant's Services and Work shall be performed in a skillful and competent manner and shall be held to a standard of quality and workmanship prevalent in the industry for such Services and Work and with the standards recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and warrants that it is skilled in the professional discipline necessary to perform the Services and Work and that it holds the necessary skills and abilities to satisfy the standard of work as set forth in this Agreement. Consultant represents and warrants that it and all of its employees, subconsultants and subcontractors providing any Work or Services under this Agreement shall have sufficient skill and experience to perform the Services and Work assigned to them. All Services and Work shall be completed to the reasonable satisfaction of the City.

1.2 Contract Documents. The Agreement between the Parties shall consist of the following: (1) this Agreement; (2) the Consultant's signed, original Proposal/Scope of Work dated October 30, 2025 submitted to City ("Consultant's Proposal"), and (3) City's Request for Proposals/Project Specifications, which shall all three be referred to collectively hereinafter as the "Contract Documents." The Consultant's Proposal is attached hereto as Exhibit "A" and the City's Request for Proposals/Project Specifications is attached hereto as Exhibit "B" and are both hereby incorporated by reference and made a part of this Agreement. All provisions of the Contract Documents shall be binding on the Parties. Should any conflict or inconsistency exist in the Contract Documents, the conflict or inconsistency shall be resolved by applying the provisions in the highest priority document, which shall be determined in the following order of priority: (1st) the terms and conditions of this Agreement; (2nd) terms, conditions, provisions and project requirements set forth in the City's Request for Proposals/Project Specifications (Exhibit "B"); and (3rd) the provisions of the Consultant's Proposal (Exhibit "A").

1.3 Compliance with Law. Consultant shall comply at all times during the term of this Agreement with all applicable federal, state, and local laws, statutes, and ordinances and all lawful orders, rules, and regulations promulgated thereunder, including without limitation all applicable fair labor standards and Cal/OSHA requirements. Consultant shall keep itself fully informed of and in compliance with all local, state, and federal laws, rules, and regulations in any manner affecting the performance of the Work and Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with performing the Work and Services. If Consultant performs any Work or Services in violation of such laws, rules, and regulations, Consultant shall be solely responsible for all penalties and costs arising therefrom. Consultant shall defend, indemnify, and hold City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules, or regulations.

1.4 Licenses, Permits, Fees, and Assessments. Prior to performing any Services or Work hereunder Consultant shall obtain all licenses, permits, qualifications, and approvals of whatever nature that are legally required to practice its profession and perform the Work and Services required by this Agreement. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement and any extension, any license, permit, qualification, or approval that is legally required for Consultant to perform the Work and Services under this Agreement. Consultant shall have the sole obligation to pay for any fees, assessments, and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Consultant's performance of the Work and Services required by this Agreement, and shall defend, indemnify, and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from and against any claim or liability arising out of any failure or alleged failure to obtain such license, permits, and approvals of whatever nature that are legally required to perform the Work or Services.

1.5 Familiarity with Work. By executing this Agreement, Consultant represents and warrants that it (a) has thoroughly investigated and considered the Scope of Work or Services to be performed, (b) has carefully considered how the Services should be performed and has carefully examined the location or locations at or with respect to where such Services or Work is to be performed, and (c) fully understands the facilities, difficulties, and restrictions attending performance of the Services under this Agreement. If the Services involve work upon any site, Consultant represents and maintains that Consultant has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of any Services hereunder. Should the Consultant discover any latent or unknown conditions that will materially affect the performance of the Services hereunder, Consultant shall immediately inform the City of such fact and shall not proceed except at Consultant's risk until written instructions are received from the City.

1.6 Care of Work. Consultant shall adopt reasonable methods during the term of the Agreement to furnish continuous protection to the Work and the equipment, materials, papers, documents, plans, studies, and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the Work by the City, except such losses or damages as may be caused by City's own negligence.

1.7 Further Responsibilities of Parties. Both Parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both Parties agree to act in good faith to execute all instruments, prepare all documents, and take all actions as may be reasonably necessary to carry out the purposes of this Agreement.

1.8 Additional Services. City shall have the right at any time during the performance of the Services, without invalidating this Agreement, to order extra work beyond that specified in the Consultant's Proposal/Scope of Services (Exhibit "A") or make changes by altering, adding to, or deducting from such Work. No such extra work may be undertaken unless a written order is first given by the City to the Consultant, incorporating therein any adjustment in (i) the Maximum Contract Amount, as defined below, and/or (ii) the time to perform this Agreement, which adjustments are subject to the written approval of the Consultant. It is expressly

understood by Consultant that the provisions of this section shall not apply to the Work and Services specifically set forth in the Scope of Services or reasonably contemplated therein, regardless of whether the time or materials required to complete any Work or Service identified in the Scope of Services exceeds any time or material amounts or estimates provided therein.

1.9 Non-Exclusive Agreement. Consultant acknowledges that City may enter into agreements with other contractors, consultants, or vendors for services similar to the services that are the subject of this Agreement. Consultant further acknowledges that City may have its own employees perform services similar to the services that are the subject of this Agreement.

2. COMPENSATION

2.1 Maximum Contract Amount. For the Services and Work rendered pursuant to this Agreement, Consultant shall be compensated by City for the services performed, including authorized reimbursements, in accordance with the professional rates and charges set forth in the Schedule of Compensation/Fees, which is attached hereto as Exhibit "A" and is incorporated herein by reference, but not exceeding the total maximum contract amount of One Hundred Forty Six Thousand Five Hundred Dollars ($146,500.00) (hereinafter referred to as the "Maximum Contract Amount"). The method of compensation shall be as set forth in Exhibit "A". The Maximum Contract Amount shall include the attendance of Consultant at all Project meetings deemed reasonably necessary by the City. Consultant shall not be entitled to any increase in the Maximum Contract Amount for attending these meetings. Compensation for necessary expenditures for reproduction costs, telephone expenses, and transportation expenses must be approved in advance by the Contract Officer designated pursuant to Section 4.2 and will only be approved if such expenses are also specified in the Schedule of Compensation/Fees. The maximum amount of City's payment obligation under this Agreement is the amount specified in this section.

2.2. Method of Payment. Unless some other method of payment is specified in the Schedule of Compensation/Fees (Exhibit "A"), in any month in which Consultant wishes to receive payment, no later than the tenth (10^{th}) working day of such month, Consultant shall submit to the City, in a form approved by the City's Finance Director, an invoice for services rendered prior to the date of the invoice. Such requests shall be based upon the amount and value of the services performed by Consultant and accompanied by such reporting data including an itemized breakdown of all costs incurred and tasks performed during the period covered by the invoice, as may be required by the City. City shall use reasonable efforts to make payments to Consultant within forty-five (45) days after receipt of the invoice or a soon thereafter as is reasonably practical.

2.3 ***Intentionally omitted.***

2.4 Changes in Scope. In the event any change or changes in the Scope of Services is requested by the City, the Parties shall execute a written amendment to this Agreement, setting forth with particularity all terms of such amendment, including, but not limited to, any additional professional fees. An amendment may be entered into: (a) to provide for revisions or modifications to documents or other work product or work when documents or other work

product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product, or work; and/or (b) to provide for additional services not included in this Agreement or not customarily furnished in accordance with generally accepted practice in Consultant's profession.

2.5 Appropriations. This Agreement is subject to and contingent upon funds being appropriated therefore by the Laguna Hills City Council for each fiscal year covered by the term of this Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to the City.

3. SCHEDULE OF PERFORMANCE

3.1 Time of Essence. Time is of the essence in the performance of this Agreement. The time for completion of the services to be performed by Consultant is an essential condition of this Agreement. Consultant shall prosecute regularly and diligently the Work of this Agreement according to the agreed upon Schedule of Performance.

3.2 Schedule of Performance. Consultant shall commence the Services pursuant to this Agreement upon receipt of a written notice to proceed, or on each task order, if applicable, and shall perform all Services within the time period(s) established in the Schedule of Performance, which is attached hereto as Exhibit "A" and is incorporated herein by reference. When requested by Consultant, extensions to the time period(s) specified in the Schedule of Performance may be approved in writing by the Contract Officer; however, the City shall not be obligated to grant such an extension.

3.3 Force Majeure. The time period(s) specified in the Schedule of Performance for performance of the Services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Consultant (financial inability excepted), including, but not limited to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, pandemics, quarantine restrictions, riots, strikes, freight embargoes, wars, and/or acts of any governmental agency, including the City, if Consultant, within ten (10) days of the commencement of such delay, notifies the City Manager in writing of the causes of the delay. The City Manager shall ascertain the facts and the extent of delay, and extend the time for performing the Services for the period of the enforced delay when and if in the judgment of the City Manager such delay is justified. The City Manager's determination shall be final and conclusive upon the Parties to this Agreement. In no event shall Consultant be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Consultant's sole remedy being extension of the Agreement pursuant to this section.

3.4 Term. Unless earlier terminated as provided elsewhere in this Agreement, this Agreement shall commence upon the effective date of this Agreement and shall continue in full force and effect for a period of three (3) years, commencing on January 28, 2026, and ending on January 27, 2029, unless extended by mutual written agreement of the Parties.

3.5 Task Orders. Consultant hereby agrees and acknowledges that any and all Services or Work performed pursuant to this Agreement shall be based upon the prior issuance

of a written project task order by the City. Furthermore, Consultant hereby agrees and acknowledges that execution of this Agreement by the City does not in any way guarantee that a task order will be issued to Consultant. Moreover, execution of this Agreement by the City shall not entitle Consultant to any form of payment or compensation from the City without City first having issued a project task order.

3.6 Notice to Proceed. Consultant understands and hereby agrees and acknowledges that the start date of the Preliminary Investigation (PI) Phase and Operations and Maintenance (O&M) Phase of the Project shall be solely based on the date of the Notice to Proceed issued in advance by the City. The City will issue a separate Notice to Proceed for each phase of Work.

4. COORDINATION OF WORK

4.1 Representative of Consultant. The following principal of Consultant is hereby designated as being the principal and representative of Consultant authorized to act in its behalf with respect to the Services to be performed under this Agreement and to make all decisions in connection therewith: **Carlos A. Ortiz, Chief Executive Officer/Principal**. It is expressly understood that the experience, knowledge, education, capability, expertise, and reputation of the foregoing principal is a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Consultant and devoting sufficient time to personally supervise the Work or Services performed hereunder. The foregoing principal may not be changed by Consultant without prior written approval of the Contract Officer.

4.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Manager of City, and is subject to change by the City Manager. It shall be the Consultant's responsibility to ensure that the Contract Officer is kept fully informed of the progress of the performance of the Services, and the Consultant shall refer any decisions which must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

4.3 Prohibition Against Subcontracting or Assignments. The experience, knowledge, capability, expertise, and reputation of Consultant, its principals and employees, were a substantial inducement for City to enter into this Agreement. Therefore, Consultant shall not assign the performance of this Agreement, nor any part thereof, nor any monies due hereunder, voluntarily or by operation of law, without the prior written consent of City. Consultant shall not contract with any other entity to perform the Services required without prior written consent of City. If Consultant is permitted to subcontract any part of this Agreement by City, Consultant shall be responsible to City for the acts and omissions of its subcontractor(s) in the same manner as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationships between any subcontractor and City. All persons engaged in the Work will be considered employees of Consultant. City will deal directly with and will make all payments to Consultant. In addition, neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated, or encumbered voluntarily or by

operation of law, whether for the benefit of creditors or otherwise, without the prior written consent of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Consultant, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release Consultant or any surety of Consultant from any liability hereunder without the express written consent of City.

4.4 Independent Contractor.

A. The legal relationship between the Parties is that of an independent contractor, and nothing herein shall be deemed to make Consultant a City employee. During the performance of this Agreement, Consultant and its officers, employees, and agents shall act in an independent capacity and shall not act as City officers or employees. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. The personnel performing the Services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officials, officers, employees, agents or volunteers shall have control over the conduct of Consultant or any of its officers, employees, or agents, except as set forth in this Agreement. Consultant, its officers, employees or agents, shall not maintain a permanent office or fixed business location at City's offices. City shall have no voice in the selection, discharge, supervision, or control of Consultant's officers, employees, representatives or agents or in fixing their number, compensation, or hours of service. Consultant shall pay all wages, salaries, and other amounts due its employees in connection with the performance of Services under this Agreement as required by law and shall be responsible for all reports and obligations respecting them, including but not limited to social security income tax withholding, unemployment compensation, workers' compensation, and other similar matters. City shall not in any way or for any purpose be deemed to be a partner of Consultant in its business or otherwise a joint venturer or a member of any joint enterprise with Consultant.

B. Consultant shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

C. No City benefits shall be available to Consultant, its officers, employees, or agents, in connection with the performance of any Work or Services under this Agreement. Except for professional fees paid to Consultant as provided for in this Agreement, City shall not pay salaries, wages, or other compensation to Consultant for the performance of any Work or Services under this Agreement. City shall not be liable for compensation or indemnification to Consultant, its officers, employees, or agents, for injury or sickness arising out of performing any Work or Services hereunder. If for any reason any court or governmental agency determines that the City has financial obligations, other than pursuant to Section 2 and Subsection 1.8 herein, of any nature relating to salary, taxes, or benefits of Consultant's officers, employees, representatives, agents, or subconsultants or subcontractors, Consultant shall defend, indemnify, and hold harmless City from and against all such financial obligations.

4.5 PERS Eligibility & Indemnification.

A. In the event that Consultant or any employee, agent, or subcontractor of Consultant providing any Work or Services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employee Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of the City.

B. Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing any Work or Services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

5. INSURANCE

5.1 Compliance with Insurance Requirements. Consultant shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to City, all insurance required under this section. Consultant shall not commence any Work or Services under this Agreement unless and until it has provided evidence satisfactory to City that it has secured all insurance required under this section. If Consultant's existing insurance policies do not meet the insurance requirements set forth herein, Consultant agrees to amend, supplement or endorse the policies to do so.

5.2 Types of Insurance Required. As a condition precedent to the effectiveness of this Agreement, and without limiting the indemnity provisions set forth in this Agreement, Consultant shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

A. Commercial General Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Commercial General Liability Insurance written on an occurrence basis with limits of at least one million dollars ($1,000,000.00) per occurrence, two million dollars ($2,000,000.00) in the general aggregate, and one million dollars ($1,000,000.00) for products and completed operations. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) contain any other exclusion contrary to the Agreement.

B. Automobile Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) combined limit for each occurrence covering bodily injury and property

damage. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles.

C. Workers' Compensation Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance in at least the minimum statutory amounts, and in compliance with all other statutory requirements, as required by the State of California. Consultant agrees to waive and obtain endorsements from its workers' compensation insurer waiving all subrogation rights under its workers' compensation insurance policy against the City, its officials, officers, employees, agents and volunteers, and to require each of its subconsultants and subcontractors, if any, to do likewise under their workers' compensation insurance policies. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Employer's Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) per accident for bodily injury or disease.

D. Professional Liability (Errors & Omissions) Insurance. Consultant shall obtain and maintain in full force and effect throughout the term of this Agreement, a policy of Professional Liability or Errors and Omissions Insurance appropriate to Consultant's profession with limits of at least two million dollars ($2,000,000.00). Covered professional services shall specifically include all Work or Services to be performed under the Agreement and delete any exclusions that may potentially affect the Work or Services to be performed under this Agreement.

1. *Intentionally omitted*.

2. If the policy of insurance is written on a "claims-made" basis, the City may require that the policy be continued in full force and effect at all times during the term of this Agreement, and for a period of three (3) years from the date of the completion of the Work or Services provided hereunder. In the event of termination of the policy during this period, Consultant shall obtain continuing insurance coverage for the prior acts or omissions of Consultant during the course of performing the Work or Services under the terms of this Agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier or other insurance arrangements providing for complete coverage, either of which shall be subject to the written approval by the City.

3. In the event the policy of insurance is written on an "occurrence" basis, the policy shall be continued in full force and effect during the term of this Agreement, or until completion of the Work or Services provided for in this Agreement, whichever is later. In the event of termination of the policy during this period, new coverage shall immediately be obtained to ensure coverage during the entire course of performing the Work or Services under the terms of this Agreement.

5.3 Acceptability of Insurers. Insurance required by this section shall be issued by a licensed company authorized to transact business in the state by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of

California List of Approved Surplus Lines Insurers (LASLI), by the latest edition of A.M. Best's Key Rating Guide, except that the City will accept workers' compensation insurance from the State Compensation Fund. In the event the City determines that the Work or Services to be performed under this Agreement creates an increased or decreased risk of loss to the City, the Consultant agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt of written notice from the City. Consultant shall immediately substitute any insurer whose A.M. Best rating drops below the levels specified herein.

5.4 Insurance Endorsements. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. Required insurance policies shall contain the following provisions, or Consultant shall provide endorsements on forms approved by the City to add the following provisions to the insurance policies:

A. The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to provide the following:

1. Additional Insured: The City, its officials, officers, employees, agents and volunteers, shall be additional insureds with regard to liability and defense of suits or claims arising out of the performance of the Agreement; and

2. Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict coverage to "sole" liability of Consultant, or (4) contain any other exclusions contrary to the Agreement; and, the coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

3. Notice: The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to state that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice by First Class U.S. Mail, postage-prepaid, has been provided to the City. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Consultant's failure to pay the insurance premium, the notice provided to City shall be by ten (10) days prior written notice.

B. For all policies of Commercial General Liability Insurance, Consultant shall provide endorsements for ongoing operations and completed operations to effectuate this requirement.

5.5 Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be approved in writing by the City in advance and shall protect the City, its officials, officers, employees, agents and volunteers, in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

5.6 Primary and Non-Contributing Insurance. All policies of Commercial General Liability Insurance and Automobile Liability Insurance shall be primary and any other insurance, deductible, or self-insurance maintained by the City, its officials, officers, employees, agents or volunteers, shall not contribute with this primary insurance. Policies shall contain or be endorsed to contain such provisions.

5.7 Waiver of Subrogation. All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the City, its officials, officers, employees, agents and volunteers, or shall specifically allow Consultant or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Consultant hereby agrees to waive its own right of recovery against the City, its officials, officers, employees, agents and volunteers, and Consultant hereby agrees to require similar written express waivers and insurance clauses from each of its subconsultants or subcontractors.

5.8 Evidence of Coverage. Concurrently with the execution of the Agreement, Consultant shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required by this section. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the City. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Consultant shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the City evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies. Consultant shall promptly furnish, at City's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents City requires to verify coverage.

5.9 Requirements Not Limiting. Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Consultant may be held responsible for payments of damages to persons or property.

5.10 Enforcement of Agreement (Non-Estoppel). Consultant acknowledges and agrees that actual or alleged failure on the part of the City to inform Consultant of any non-compliance with any of the insurance requirements set forth in this section imposes no additional obligation on the City nor does it waive any rights hereunder.

5.11 Insurance for Subconsultants. Consultant shall either: (1) include all subconsultants or subcontractors engaged in any Work or Services for Consultant relating to this Agreement as additional named insureds under the Consultant's insurance policies, or (2)

Consultant shall be responsible for causing its subconsultants or subcontractors to procure and maintain the appropriate insurance in compliance with the terms of the insurance requirements set forth in this section, including adding the City, its officials, officers, employees, agents and volunteers, as additional insureds to their respective policies. All policies of Commercial General Liability Insurance provided by Consultant's subconsultants or subcontractors performing any Work or Services related to this Agreement shall be endorsed to name the City, its officials, officers, employees, agents and volunteers, as additional insureds. Consultant shall not allow any subconsultant or subcontractor to commence any Work or Services relating to this Agreement unless and until it has provided evidence satisfactory to City that the subconsultant or subcontractor has secured all insurance required under this section.

5.12 Other Insurance Requirements. The following terms and conditions shall apply to the insurance policies required of Consultant pursuant to this Agreement:

A. Consultant shall provide immediate written notice to City if (1) any of the insurance policies required herein are terminated, cancelled or suspended, (2) the limits of any of the insurance coverages required herein are reduced, or (3) the deductible or self-insured retention is increased.

B. All insurance coverage and limits provided by Consultant and available or applicable to this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations shall limit the application of such insurance coverage.

C. None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the City and approved in writing.

D. Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay commencement of the Project. It is Consultant's obligation to ensure timely compliance with all insurance submittal requirements as provided herein.

E. Consultant agrees to ensure that subconsultants and subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the Project will be submitted to the City for review.

F. Consultant agrees to provide immediate written notice to City of any claim, demand or loss against Consultant arising out of the Work or Services performed under

this Agreement and for any other claim, demand or loss which may reduce the insurance available to pay claims, demands or losses arising out of this Agreement.

6. INDEMNIFICATION

To the fullest extent permitted by law, Consultant shall defend (at Consultant's sole cost and expense with legal counsel reasonably acceptable to City), indemnify and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officers, directors, employees, subcontractors, consultants or agents, in connection with Consultant's performance under this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses. Notwithstanding the foregoing, to the extent that the Work or Services performed by Consultant are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Consultant's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless, and indemnify the City, its elected and appointed officials, officers, employees, agents, and volunteers, shall not apply to such claims or liabilities arising from the sole or active negligence or willful misconduct of the City.

7. REPORTS AND RECORDS

7.1 Accounting Records. Consultant shall keep complete, accurate, and detailed accounts of all time, costs, expenses, and expenditures pertaining in any way to this Agreement. Consultant shall keep such books and records as shall be necessary to properly perform the Services required by this Agreement and to enable the Contract Officer to evaluate the performance of such Services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit, and make records and transcripts from such records.

7.2 Reports. Consultant shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the Services required by this Agreement as the Contract Officer shall require. Consultant hereby acknowledges that the City is greatly concerned about the cost of the Work and Services to be performed pursuant to this Agreement. For this reason, Consultant agrees that if Consultant becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the Work or Services contemplated herein or, if Consultant is providing design services, the cost of the project being designed, Consultant shall promptly notify the Contract Officer of such fact, circumstance, technique, or event and the estimated increased or decreased cost related thereto and, if Consultant is providing design services, the estimated increased or decreased cost

estimate for the project being designed.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents, memoranda, correspondence, computations, and other materials prepared by Consultant, its employees, subconsultants, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be promptly delivered to City upon request of the Contract Officer or upon the termination of this Agreement, and Consultant shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Consultant may retain copies of such documents for its own use. Consultant shall have an unrestricted right to use the concepts embodied therein. Consultant shall ensure that all of its subconsultants and subcontractors shall provide for assignment to City of any documents or materials prepared by them, and in the event Consultant fails to secure such assignment, Consultant shall indemnify City for all damages resulting therefrom.

7.4 Release of Documents. All drawings, specifications, reports, records, documents, and other materials prepared by Consultant in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer. All information gained by Consultant in the performance of this Agreement shall be considered confidential and shall not be released by Consultant without City's prior written authorization.

7.5 Audit and Inspection of Records. After receipt of reasonable notice and during the regular business hours of City, Consultant shall provide City, or other agents of City, such access to Consultant's books, records, payroll documents, and facilities as City deems necessary to examine, copy, audit, and inspect all accounting books, records, work data, documents, and activities directly related to Consultant's performance under this Agreement. Consultant shall maintain such books, records, data, and documents in accordance with generally accepted accounting principles and shall clearly identify and make such items readily accessible to such parties during the term of this Agreement and for a period of three (3) years from the date of final payment by City hereunder.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law and Venue. This Agreement shall be construed and interpreted both as to validity and as to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim, or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such County, and Consultant covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Interpretation. This Agreement shall be construed as a whole according to its fair language and common meaning to achieve the objectives and purposes of the Parties. The terms of this Agreement are contractual and the result of negotiation between the Parties. Accordingly, any rule of construction of contracts (including, without limitation, California Civil Code Section 1654) that ambiguities are to be construed against the drafting party, shall not be employed in the interpretation of this Agreement. The caption headings of the various sections

and paragraphs of this Agreement are for convenience and identification purposes only and shall not be deemed to limit, expand, or define the contents of the respective sections or paragraphs.

8.3 Termination. City may terminate this Agreement for any reason, with or without cause, upon giving Consultant thirty (30) days written notice. Upon such notice, City shall pay Consultant for Services performed through the date of termination. Upon receipt of such notice, Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Thereafter, Consultant shall have no further claims against the City under this Agreement. Upon termination of the Agreement pursuant to this section, Consultant shall submit to the City an invoice for work and services performed prior to the date of termination. In addition, Consultant reserves the right to terminate this Agreement at any time upon sixty (60) days written notice to the City, except that where termination is due to material default by the City, the period of notice may be such shorter time as the Consultant may determine.

8.4 Default of Consultant.

A. Consultant's failure to comply with any provision of this Agreement shall constitute a default.

B. If the City Manager, or City Manager's designee, determines that Consultant is in default in the performance of any of the terms or conditions of this Agreement, he/she shall notify Consultant in writing of such default. Consultant shall have ten (10) days, or such longer period as City may designate, to cure the default by rendering satisfactory performance. In the event Consultant fails to cure its default within such period of time, City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice of any remedy to which City may be entitled at law, in equity, or under this Agreement. Consultant shall be liable for any and all reasonable costs incurred by City as a result of such default. Compliance with the provisions of this section shall not constitute a waiver of any City right to take legal action in the event that the dispute is not cured, provided that nothing herein shall limit City's right to terminate this Agreement without cause pursuant to Section 8.3.

C. If termination is due to the failure of the Consultant to fulfill its obligations under this Agreement, City may, after compliance with the provisions of Section 8.4(B), take over the work and prosecute the same to completion by contract or otherwise, and the Consultant shall be liable to the extent that the total cost for completion of the Services required hereunder exceeds the Maximum Contract Amount (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Consultant for the purpose of set-off or partial payment of the amounts owed the City as previously stated. The withholding or failure to withhold payments to Consultant shall not limit Consultant's liability for completion of the Services as provided herein.

8.5 Waiver. No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative of the Party against whom enforcement of a waiver is sought. Any waiver by the Parties of any default or breach of any covenant, condition, or term contained in this Agreement, shall not be construed to be a waiver of any

subsequent or other default or breach, nor shall failure by the Parties to require exact, full, and complete compliance with any of the covenants, conditions, or terms contained in this Agreement be construed as changing the terms of this Agreement in any manner or preventing the Parties from enforcing the full provisions hereof.

8.6 Rights and Remedies Cumulative. Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the Parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

8.7 Legal Action. In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Attorneys' Fees. In the event any dispute between the Parties with respect to this Agreement results in litigation or any non-judicial proceeding, the prevailing Party shall be entitled, in addition to such other relief as may be granted, to recover from the non-prevailing Party all reasonable costs and expenses, including but not limited to reasonable attorneys' fees, expert witness fees, court costs and all fees, costs, and expenses incurred in any appeal or in collection of any judgment entered in such proceeding. To the extent authorized by law, in the event of a dismissal by the plaintiff or petitioner of the litigation or non-judicial proceeding within thirty (30) days of the date set for trial or hearing, the other Party shall be deemed to be the prevailing Party in such litigation or proceeding.

9. CITY OFFICERS AND EMPLOYEES: NON-DISCRIMINATION

9.1 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Consultant, or any successor-in-interest, in the event of any default or breach by the City or for any amount which may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Conflict of Interest. No officer or employee of the City shall have any financial interest, direct or indirect, in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which effects his or her financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of any state statute or regulation. Consultant represents and warrants that it has not paid or given and will not pay or give any third party any money or other consideration in exchange for obtaining this Agreement.

9.3 Covenant Against Discrimination. In connection with its performance under this Agreement, Consultant shall not discriminate against any employee or applicant for employment because of race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Consultant shall ensure that applicants are employed, and that employees are treated during their employment, without regard

to their race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

10. MISCELLANEOUS PROVISIONS

10.1 Patent and Copyright Infringement.

A. To the fullest extent permitted by law, and in lieu of any other warranty by City or Consultant against patent or copyright infringement, statutory or otherwise, it is agreed that Consultant shall defend at its expense any claim or suit against City on account of any allegation that any item furnished under this Agreement, or the normal use or sale thereof arising out of the performance of this Agreement, infringes upon any presently existing U.S. letters patent or copyright and Consultant shall pay all costs and damages finally awarded in any such suit or claim, provided that Consultant is promptly notified in writing of the suit or claim and given authority, information and assistance at Consultant's expense for the defense of same, and provided such suit or claim arises out of, pertains to, or is related to the alleged negligence, recklessness or willful misconduct of Consultant. However, Consultant will not indemnify City if the suit or claim results from: (1) City's alteration of a deliverable, such that City's alteration of such deliverable created the infringement upon any presently existing U.S. letters patent or copyright; or (2) the use of a deliverable in combination with other material not provided by Consultant when it is such use in combination which infringes upon an existing U.S. letters patent or copyright.

B. Consultant shall have sole control of the defense of any such claim or suit and all negotiations for settlement thereof, Consultant shall not be obligated to indemnify City under any settlement made without Consultant's consent or in the event City fails to cooperate in the defense of any suit or claim, provided, however, that such defense shall be at Consultant's expense. If the use or sale of such item is enjoined as a result of the suit or claim, Consultant, at no expense to City, shall obtain for City the right to use and sell the item, or shall substitute an equivalent item acceptable to City and extend this patent and copyright indemnity thereto.

10.2 Notices. All notices or other communications required or permitted hereunder shall be in writing, and shall be personally delivered, sent by registered or certified mail, postage prepaid, return receipt requested, or delivered or sent by facsimile with attached evidence of completed transmission, and shall be deemed received upon the earlier of (i) the date of delivery to the address of the person to receive such notice if delivered personally or by messenger or overnight courier; (ii) five (5) business days after the date of posting by the United States Post Office if by mail; or (iii) when sent if given by facsimile. Notices or other communications shall be addressed as follows:

To City: City of Laguna Hills
Attention: City Manager
24035 El Toro Road
Laguna Hills, California 92653

Telephone: (949) 707-2600

To Consultant: Advantec Consulting Engineers, Inc.
Attention: Carlos A. Ortiz, Chief Executive Officer/Principal
1200 Rosevelt
Irvine, California 92620
Telephone: (949) 861-4999
Email: cortiz@advantec-usa.com

10.3 Entire Agreement. This Agreement constitutes the entire agreement between the Parties and supersedes all prior negotiations, arrangements, agreements, representations, and understandings, if any, made by or among the Parties with respect to the subject matter hereof. No amendments or other modifications of this Agreement shall be binding unless executed in writing by both Parties hereto, or their respective successors, assigns, or grantees.

10.4 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be determined to be invalid by a final judgment or decree of a court of competent jurisdiction, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the reminder of that provision, or the remaining provisions of this Agreement unless the invalid provision is so material that its invalidity deprives either Party of the basic benefit of their bargain or renders this Agreement meaningless.

10.5 Successors in Interest. This Agreement shall be binding upon and inure to the benefit of the Parties' successors and assignees.

10.6 Third Party Beneficiary. Nothing contained in this Agreement is intended to confer, nor shall this Agreement be construed as conferring, any rights, including, without limitation, any rights as a third-party beneficiary or otherwise, upon any entity or person not a party hereto.

10.7 Recitals. The above-referenced Recitals are hereby incorporated into the Agreement as though fully set forth herein and each Party acknowledges and agrees that such Party is bound, for purposes of this Agreement, by the same.

10.8. Corporate Authority. Each of the undersigned represents and warrants that (i) the Party for which he/she is executing this Agreement is duly authorized and existing, (ii) he/she is duly authorized to execute and deliver this Agreement on behalf of the Party for which he/she is signing, (iii) by so executing this Agreement, the Party for which he/she is signing is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the Party for which he/she is signing is bound.

10.9 Prevailing Wages. The City has determined that the Work and Services under this Agreement requires work of labor categories which are subject to Prevailing Wage Laws identified in the State of California Labor Code. Consultant is aware of the requirements of

California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, the Prevailing Wage Laws). It is agreed by the Parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees to defend, indemnify, and hold the City, its elected officials, officers, employees, and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this Agreement. Consultant understands and agrees to comply with the following California Labor Code compliance conditions [Labor Code Sections 1720 et seq., 1813, 1860, 1861, 3700]:

10.9.1. This Agreement is subject to the provisions of Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code relating to public works and the awarding public agency ("City") and Contractor agree to be bound by all the provisions thereof as though set forth in full herein.

10.9.2. Consultant shall be registered with the Department of Industrial Relations ("DIR") in accordance with California Labor Code Section 1725.5 and has provided proof of registration to City prior to the Effective Date of this Agreement.

10.9.3. Consultant agrees to comply with the provisions of California Labor Code Sections 1771, 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The applicable prevailing wage determination(s) may be obtained at (http://www.dir.ca.qov/OPRUDPreWaqeDetermination.htm), are on file with City, and are available to any interested party upon request. A copy of said rates shall be posted at each job site during the Term of this Agreement.

10.9.4. Pursuant to California Labor Code Section 1771.4, Consultant's services are subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractor shall post job site notices as prescribed by DIR regulations and furnish the records specified in California Labor Code Section 1776 directly to the Labor Commissioner in the manner prescribed by California Labor Code Section 1771.4(a)(3) and (c)(2).

10.9.5. Consultant shall comply with the provisions of California Labor Code Section 1776 which, among other things, require Contractor and each subcontractor to (1) keep accurate payroll records, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform the City of the location of the records. The Contractor is responsible for compliance with Section 1776 by itself and all of its subcontractors.

10.9.6. Consultant shall comply with the provisions of California Labor Code Section 1777.5 concerning the employment of apprentices on public works projects, and further agrees that Consultant is responsible for compliance with Section 1777.5 by itself and all of its subcontractors.

10.9.7. Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this Agreement, and the Consultant and any subcontractor shall comply with and be governed by the laws of the State of California having to do with working hours set forth in Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code. Consultant shall comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to the City, forfeit twenty-five dollars ($25) for each worker employed in the execution of this Agreement by the Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code. (See, e.g., Cal. Labor Code §1815.)

10.9.8. Pursuant to California Labor Code Sections 1860 and 3700, Consultant will be required to secure the payment of compensation to its employees. By signing this Agreement, Consultant hereby certifies as follows:

> "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Agreement."

10.9.9. Pursuant to California Labor Code Section 1771.1, Consultant and any subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the California Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the DIR and qualified to perform public work pursuant to California Labor Code Section 1725.2. It is not a violation of California Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by California Business and Professions Code Section 7029.1 or by California Public Contract Code Section 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Consultant shall not perform any work under this Agreement with any subcontractor who is ineligible to perform work on the public works project pursuant to Section 1777.1 or 1777.7 of the California Labor Code.

10.10 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

[SIGNATURES ON NEXT PAGE]

IN WITNESS WHEREOF, the Parties have executed and entered into this Agreement as of the date first written above.

"CITY"
City of Laguna Hills,
a California municipal corporation

BOB WINGENROTH,
City Manager

ATTEST:

(SEAL)

JENNIFER LEE, City Clerk

APPROVED AS TO FORM:

GREGORY E. SIMONIAN,
City Attorney

"CONSULTANT"
Advantec Consulting Engineers, Inc., a California corporation

By:

CARLOS A. ORTIZ, PE, TE, PTOE
Chief Executive Officer/Principal

By:

PAULINE YIP,
Secretary

EXHIBIT "A"

CONSULTANT'S PROPOSAL/ SCOPE OF WORK

FOR

CIVIL ENGINEERING AND TRAFFIC ENGINEERING CONSULTING SERVICES

REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR

AVENIDA DE LA CARLOTA CORRIDOR PROJECT

DATED: OCTBOER 30, 2025

SCOPE OF SERVICES FOR PROJECT

INCLUDING,

SCHEDULE OF PERFORMANCE

AND

SCHEDULE OF COMPENSATION/ FEES

Submitted by:
ADVANTEC
BECAUSE WE CARE!

CITY OF LAGUNA HILLS

Regional Traffic Signal Synchronization Program for Avenida de La Carlota Corridor Project

October 30, 2025

ORIGINAL

October 30, 2025

City of Laguna Hills
Joe Ames, PE, TE – Interim City Manager/Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

SUBJECT: **Proposal for Regional Traffic Signal Synchronization Program for Avenida De La Carlota Corridor Project**

Dear Mr. Ames,

ADVANTEC Consulting Engineers, Inc. (**ADVANTEC**) is pleased to submit the accompanying proposal in response to the Request for Proposals (RFP) and Addendum 1 for the above referenced project.

With deep-rooted expertise in OCTA's **Regional Traffic Signal Synchronization Program (RTSSP)**, ADVANTEC has successfully delivered numerous high-impact projects since the inception of the program. This includes our most recently completed project, **Los Alisos Boulevard Route, for which ADVANTEC developed special synchronization plans for parts of Paseo De Valencia, Laguna Hills Drive, and Moulton Parkway**. Currently, we are partnering with the City of Mission Viejo on the **Olympiad–Felipe Road RTSSP**, giving us direct, up-to-date experience with OCTA's latest Comprehensive Transportation Funding Program **(CTFP)** requirements and expectations.

Our team offers hands-on, up-to-date experience in managing both the design and construction phases of RTSSPs including major **Intelligent Transportation System (ITS)** initiatives. We have played an integral role throughout construction, system integration, testing, commissioning, and final acceptance including system operations, management and maintenance. All are contributing factors to the successful deployment of corridor-wide improvements. Building upon this foundation, the ADVANTEC team will leverage a refined collaborative approach, tailored to meet the needs of the **City of Laguna Hills** and partner agencies—while ensuring full alignment with **OCTA's Project P** objectives.

The ADVANTEC Team includes outstanding professional firms with clear roles as shown on the following table.

ADVANTEC Project Team		
Firm	FIRM ROLE	Contact Information
ADVANTEC Consulting Engineers, Inc. 1200 Roosevelt Irvine, CA 92620	Prime Consultant Design, Construction Management, System Integration, and O&M	Carlos Ortiz, PE, TE, PTOE | Project Director, CEO Cell: 949-636-0646 | Office: 949-861-4999 cortiz@advantec-usa.com
Counts Unlimited, Inc. PO Box 1178, Corona, CA 92878	Subconsultant Travel time data collection	Abe Campos | Ph: 951-268-6267 counts@countsunlimited.com

By selecting the ADVANTEC Team, the City of Laguna Niguel will realize the following key benefits:

- ✓ **Proven Expertise in OCTA's Regional Traffic Signal Synchronization Program (RTSSP / Project P).** ADVANTEC brings unmatched experience in delivering successful RTSSP and TLSP projects across Orange County. Our team has partnered with OCTA and the majority of the county's 34 cities, implementing signal synchronization along **18 corridors encompassing over 500 intersections**. We bring proven expertise, aligning with the program's mission, applying its technical guidelines, and delivering measurable improvements to maximize traffic efficiency and synchronization across jurisdictions. Notable recent projects include the **Los Alisos Boulevard**, **Garden Grove Boulevard**, and **Fairview Road RTSSPs**. Currently, we are leading final design (PS&E) for the **Olympiad–Felipe Road TSSP** with the City of Mission Viejo, ensuring continued alignment with OCTA's evolving program requirements.
- ✓ **In-depth knowledge and experience with the Cities in south Orange County.** Our experience includes working with the Cities of Laguna Hills, Aliso Viejo, Lake Forest, Mission Viejo, Rancho Santa Margarita, and Caltrans. Our Team has worked with all participating agencies on several PS&E and Traffic Signal Synchronization (TSS) projects for the last 17 years, including the Oso Parkway Demonstration Project, Alicia Parkway TLSP, Marguerite TSSP, Jeronimo Road TSSP, Los Alisos Boulevard TSSP, Olympiad-Felipe Road TSSP and On-Call Contracts for Traffic Engineering and Design Services. We have intimate knowledge of each agency's traffic and communications system, signal timing and operations, and central traffic management systems/TMC's. With this knowledge and experience we are ready to hit the ground running.
- ✓ **Project Approach that will Deliver Lower Construction Costs and Effective Timing Plans.** ADVANTEC has proposed a design and procurement approach and an operations and maintenance approach that will :

  1. Reduce construction costs by procuring the required equipment directly from vendors, this way avoiding "mark-ups" by the contractor. We expect between 15% and 20% savings on most equipment types.

2. Create a detailed SimTraffic simulation model of the El Toro Road /Avenida De La Carlota/I-5 off ramp area that will enable us to review and fine tune signal operation during the O&M phase, by selecting the best phase sequences, offsets and splits.
3. Evaluate and implement additional Time of Day plans during O&M for traffic signals adjacent to special land uses, such as commercial centers, to better manage peaks in traffic.
4. Develop special timing plans and set up Traffic Responsive Operations along selected segments of the corridor to better accommodate sudden increases in traffic caused by traffic bypassing the freeway. We will also recommend strategies to enhance rapid response times for emergency vehicles and to minimize congestion delays.

✓ **Dedicated Support for City Engineering Staff.** We recognize the increasing demands placed on public agency staff and are committed to acting as a true extension of your team. ADVANTEC brings a responsive, proactive approach to managing all facets of project delivery—from maintaining project schedules and coordinating procurement to overseeing contractor activities and ensuring compliance with City, agency, and OCTA requirements. We don't just meet expectations—we're here to support and enhance your capacity.

✓ **Streamlined Approach for Design, Construction, System, and Implementation.** ADVANTEC has extensive experience with implementing each design element: Econolite's Cobalt Advanced Traffic Controllers (ATCs), Bosch's Closed Circuit Television (CCTV) Cameras, central system upgrades, fiber optic communications, and network Ethernet switches. ADVANTEC's design approach provides the easiest path for the Contractor install, setup, and integrate each technology, which minimizes potential change orders. ADVANTEC will deliver a turnkey solution that empowers the City with complete operational command and control, enabling real-time decision-making, improved efficiency, and long-term system flexibility.

✓ **The Avenida de la Carlota Corridor Project is a Critical Infrastructure Improvement for the City of Laguna Hills.** The project aligns with RTSSMP goals and will enhance regional mobility, reduce congestion, and support future growth. Its position within the signal synchronization network, along with its connectivity to key arterials and the I-5, ensures that it will continue to serve as an essential route for both local and regional traffic, supporting sustainable transportation and improved quality of life for the community.

✓ **A Systems Engineering Approach for Scalable, Secure ITS Solutions.** ADVANTEC applies a comprehensive **systems engineering approach** to every ITS project we deliver. Led by **Mr. John Cox**, our dedicated Systems Engineer, we ensure each project is designed for long-term performance, scalability, and cyber security. Mr. Cox will work closely with City staff to integrate the latest ITS strategies over a secure, reliable communication network—while ensuring the design aligns with best practices in network topology, redundancy, and future system expansion. We understand the importance of designing solutions that not only work today but are **resilient, adaptable, and future-ready.**

✓ **ADVANTEC Brings Technology and Operational Innovations to the City.** Based on our recent experience with the Coachella Valley Smart Region project, we bring the **City** our knowledge and experience that could be applied to this project or for future projects. **This includes standardize signal timing parameters, network signal synchronization, special events traffic operations, traffic responsive pilot projects, using roadside Units (RSUs), video detection systems, and CCTV Cameras to collect real-time traffic data, speeds, origin destination, etc. to manage and update signal timing and synchronization plans in real-time, and developing big data work plan to manage traffic operations.**

As CEO of the company, I am an authorized representative to bind this contract and authorized to represent the firm with respect to all notices, discussions, and other communication related to our proposal and to any negotiations relating to this contract. I certify that the information contained in this proposal is truthful, accurate, and complete at the time of its submission. This proposal will be valid for a period of 180 days. We have no exceptions to the City's standard agreement, and we meet the City's insurance requirements. Should you have any questions, please contact me at cortiz@advantec-usa.com or 949.636.0646 (mobile). We appreciate the opportunity to provide our services to the City of Laguna Hills.

Sincerely,

ADVANTEC Consulting Engineers, Inc.

Carlos A. Ortiz, PE, TE, PTOE | CHIEF EXECUTIVE OFFICER and PRINCIPAL

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SECTION B.
COMPANY DATA

B. COMPANY DATA

ADVANTEC Consulting Engineers, Inc., a California Corporation, is a certified DBE/SBE consulting firm specializing in Traffic Engineering, Traffic Signal Synchronization, Intelligent Transportation Systems (ITS), Smart Cities, Connected and Automated Vehicles (CAV) Technologies, System Integration, and Construction Management. ADVANTEC's mission is to provide quality engineering to the community that would result in perceptible improvements towards the quality of life, safety, and efficiency of transportation. Founded in 1998, our name espouses our focus to capture ***ADVANCEMENTS*** *in* ***TECHNOLOGY*** for the benefits of our clients, thus providing **innovative and smart mobility solutions** that meet the needs of our clients and the public they serve. This year marks the 27th anniversary of **ADVANTEC**, and we have earned a reputation for responsiveness to the clients' needs. We maintain our reputation by upholding our firm's high standards of quality, client service, and professional integrity. The following summarizes the company data requested in the RFP.

Firm name and address	ADVANTEC Consulting Engineers, Inc 1200 Roosevelt, Irvine, CA 92620
Primary Point of Contact	Carlos Ortiz, PE, TE, PTOE 1200 Roosevelt, Irvine, CA 92620 Cell: 949-636-0646 | Office: 949-861-4999
Type of Entity	California Corporation
Federal Employer ID No.	95-468-7341
Firm's Offices:	
Orange County (Headquarters)**:** *1200 Roosevelt | Irvine, CA 92620 | Ph: 949-861-4999* ***Los Angeles County* Office:** *21700 Copley Drive, Ste 350 | Diamond Bar, CA 91765 | Ph: 909-860-6222*	
Ownership	Wholly owned by staff
Number of years in business	27 years (since 1998)
Number of years providing required, equivalent, or related services	27 years
All comparable contracts entered into during the past 5 years	Provided on table on the next page
Any failures or refusals to complete a contract and explanation	*ADVANTEC has never failed to complete a contract in its 27-years history*
Individual/Firms who own an interest of 10% or greater	Leo Lee, Chairman
Financial Interests in other lines of business	None
Litigation/Adverse Judgement History	None
Termination of Contract "For Cause" History	None

The following table summarizes comparable contracts entered into during the past 5 years.

Year Started and Completed	Title Of Project	Agency Name/Client	Project Manager
May 2024 - present	Traffic Signal Synchronization Project – Adaptive/Traffic Responsive Upgrade	City of Alhambra	Jose Guedes
May 2024 – present	Citywide Traffic and Mobility Study	City of Glendale	Jose Guedes
May 2024 – present	Olympiad Road-Felipe Road RTSSP	City of Mission Viejo	Jose Guedes
January 2024 – present	Citywide Traffic Signal Assessment & Master Plan	City of Upland	Jose Guedes
August 2023 – November 2024	Central Avenue Traffic Signal Coordination	City of Lake Elsinore	Jose Guedes
May 2021 – January 2023	Regional Arterial Traffic Performance Measurement System	City of Glendale	Jose Guedes
October 2019 – September 2023	Los Alisos Boulevard Route RTSSP	OCTA	Jose Guedes
August 2018 – June 2022	Fairview Road Traffic Signal Coordination Project	City of Costa Mesa	Jose Guedes
September 2024 to Present	HSIP Cycle 11 Project – Citywide improvements	City of Riverside	John Dorado
September 2023 to Present	Traffic Signal Synchronization Project – Adaptive/Traffic Responsive Upgrade	City of Monterey Park	John Dorado
September 2023 to Present	Citywide Traffic Signal Operations Project	City of Corona	John Dorado
October 2019 – September 2023	Garden Grove Boulevard RTSSP	OCTA	John Dorado

SECTION C.
RESUMES AND QUALIFICATIONS OF PERSONNEL

C. RESUMES AND QUALIFICATIONS OF PERSONNEL

The ADVANTEC Team brings TSSP experts with proven track records on similar projects. ADVANTEC Consulting Engineers will be the prime consultant, assisted by Counts Unlimited as a subconsultant. We recognize that the successful delivery of this project relies heavily on our leadership team, with a combined 200+ years of TSSP experience, who are all committed to Project P's success since its inception. The following key team members are intended to serve in their respective roles throughout the duration of the agreement. They will not be replaced without the written concurrence of the City of Laguna Hills. Our organization chart, shown in Section D- Figure D.1, illustrates the organizational structure of this team, which brings together all the skills and expertise required to ensure the successful conduct of all elements of this project.

Mr. Jose Guedes, TE, will serve as our **Project Manager.** Mr. Guedes brings in-depth knowledge and experience in planning, designing, and implementing ITS infrastructure for multiple agencies. Mr. Guedes manages the Olympiad Road-Felipe Road RTSSP for the City of Mission Viejo. He also recently completed the Los Alisos Blvd Route RTSSP, which included the cities of Aliso Viejo, Laguna Hills, Mission Viejo, and Rancho Santa Margarita. Mr. Guedes has extensive experience with traffic signal operations and traffic management systems and has previously managed the traffic signal operations at the City of Irvine for 14 years. Since joining ADVANTEC in 2010, Mr. Guedes has successfully performed over 25 TSS projects involving over 2,500 traffic signals, totaling over $10 million. **He has successfully implemented 14 Project P projects for OCTA and local jurisdictions.**

Mr. Carlos Ortiz, PE, TE, PTOE, will be **the Project Director.** Carlos is known for his superior technical, management, and leadership skills. He has spent over two decades successfully delivering transportation, ITS, and traffic engineering projects for various agencies throughout Southern California, including many Project P corridors.

Mr. John Dorado, PE, will serve as our **Task Leader for System Design/ITS PS&E**. During his 26 years of experience, Mr. Dorado has managed various Project P signal synchronization projects. Mr. Dorado has a wide range of knowledge from various types of traffic control systems (TCS), adaptive signal systems, Ethernet communication systems, and ITS elements. He has also upgraded citywide traffic signal systems, controllers, communication systems, and TMCs for over 30 cities in Southern California. **John has participated in implementing 8 Project P projects for OCTA and local jurisdictions**, including Golden West Street, Los Alisos Boulevard, and Garden Grove Boulevard TSSP.

Mr. John Cox will serve as **Task Leader for Construction Support**. Mr. Cox is a **Systems Engineer** for ADVANTEC. He specializes in Intelligent Transportation Systems, Communications, Fiber Optic technologies, Closed Circuit Television, Changeable Message Signs, Wireless Broadband Ethernet, Traffic Management Center systems integration and various Advanced Traffic Management System hardware/software suites. Over 20 years of experience in the transportation industry, John has been involved in every TSSP project led by OCTA or the City including dozens of transportation and traffic engineering projects that include both design and execution of Traffic signals, ITS, CCTV, CMS, TMS, and Fiber Optic Communications, having integrated and maintained such systems in support of centralized signal control deployments.

Mr. Ryan Miller will serve as **Task Leader for the Before/After Study, Project Report and Continuing Support (O&M Phase).** Ryan Miller is a Project Engineer with experience in traffic signal synchronization, engineering studies, traffic operations, and ITS design. Ryan brings over 12 years of experience and has worked on multiple traffic signal synchronization projects in Orange County. He is an expert in the use of Synchro, SimTraffic and Tru-Traffic software.

Rachel Tam will serve as **Lead Project Engineer for System Design/ITS PS&E.** Ms. Tam will oversee daily coordination and ensure seamless communication among project stakeholders. She brings expertise in traffic analysis, planning, and intelligent transportation systems (ITS) design. Her experience spans multiple agencies and includes managing complex projects involving traffic signal systems, corridor optimization, and ITS infrastructure upgrades. Ms. Tam's role will be critical in maintaining project momentum, supporting technical deliverables, and facilitating construction support services throughout all project phases.

Key Personnel

The following summarizes key team members, including their years of experience, responsibilities, availability, and project-relevant experience. Our task leaders and key personnel are committed to serving the City of Laguna Hills for the entire project.

Name/ Years of Experience/ Responsibility	Relevant Project Experience
Jose Guedes, TE **Years of Experience:** 35 **Responsibility:** Project Manager **Availability:** 60%	▪ Olympiad-Felipe Road RTSSP (Mission Viejo, CA) ▪ Los Alisos Boulevard RTSSP (Orange County, CA) ▪ Fairview Road TSSP (Costa Mesa, CA) ▪ Jeronimo Road RTSSP (Orange County) ▪ CVAG Regional Traffic Signal Synchronization, Phase I and II (Coachella Valley, CA) ▪ Adaptive System Upgrade (Alhambra, CA)
Carlos Ortiz, PE, TE, PTOE **Years of Experience:** 36 **Responsibility:** Project Director: Ensure staff availability and resources throughout the project.	▪ CVAG Regional Traffic Signal Synchronization, Phase I, II and III (Coachella Valley, CA) ▪ Garden Grove Boulevard (Orange County, CA) ▪ Los Alisos Boulevard RTSSP (Orange County, CA) ▪ Fairview Road TSSP (Costa Mesa, CA)
John Dorado, PE **Years of Experience:** 26 **Responsibility:** Task Leader for System Design/ITS PS&E **Availability:** 75%	▪ Adaptive System Upgrade (Monterey Park, CA) ▪ Garden Grove Blvd RTSSP (Orange County, CA) ▪ CVAG Regional Traffic Signal Synchronization, Phase I and II (Coachella Valley, CA) ▪ Imperial Highway ITS and TSSP (Norwalk, CA)
John Cox **Years of Experience:** 26 **Responsibility:** Task Leader - Construction Support **Availability:** 70%	▪ Garden Grove Blvd RTSSP (Orange County, CA) ▪ Fairview Road TSSP (Costa Mesa, CA) ▪ CVAG Regional Traffic Signal Synchronization ▪ Edinger Ave. RTSSP Project (Orange County, CA) ▪ Imperial Highway ITS and TSSP (Norwalk, CA)
Ryan Miller **Years of Experience:** 13 **Responsibility:** Task Leader – Project Report and O&M Phase **Availability:** 70%	▪ Garden Grove Boulevard (Orange County, CA) ▪ Los Alisos Boulevard RTSSP (Orange County, CA) ▪ CVAG Regional Traffic Signal Synchronization, Phase I and II (Coachella Valley, CA) ▪ Fairview Road TSSP (Costa Mesa, CA)
Rachel Tam **Years of Experience: 5** **Responsibility:** Lead Project Engineer for System Design/ITS PS&E **Availability:** 75%	▪ Adaptive/Traffic Responsive Control Upgrade Phase 1 (Alhambra, CA) ▪ Adaptive System Upgrade (Monterey Park, CA) ▪ CVAG Regional Traffic Signal Synchronization (Coachella Valley, CA) ▪ Intelligent Transportation Systems (ITS) Master Plan (Industry, CA)

Subconsultant

ADVANTEC places great importance on selecting a Project Team to meet the needs and schedule of this important project for the City of Laguna Hills. We are pleased to have Counts Unlimited in our team to complement ADVANTEC's in-house personnel. **ADVANTEC has worked with Counts Unlimited on many of our Project P projects in Orange County and finds them very reliable in helping us achieve the project objectives**. **Counts Unlimited, Inc.** specializes in traffic data collection and has served Southern California for 35 years. Headquartered in Riverside, CA, with an experienced full-time staff of 25 employees and support staff, Counts Unlimited has teamed with ADVANTEC's staff for the last 15 years, providing traffic counts and travel time study data.

Name, Responsibilities	Relevant Project Experience with ADVANTEC
ABE CAMPOS PO Box 1178, Corona, CA 92878 Ph: (951) 268-6268 - counts@countsunlimited.com **Responsibility:** Traffic data collection, including ADT, turning movement counts, and travel time data	▪ Olympiad-Felipe Road RTSSP ▪ Glendale Citywide Traffic and Mobility Study ▪ Garden Grove Boulevard RTSSP ▪ Los Alisos Boulevard RTSSP

The ADVANTEC Team has worked with many agencies for over thirty years, planning, designing, and deploying intersection, roadway, citywide, and regionwide ITS technologies, including:

- ✓ Regionwide/Citywide/Corridor Signal Communication Systems (Fiber Optic and Wireless)
- ✓ Secured Ethernet Communication Systems
- ✓ Communication Hubs | Redundant Communications
- ✓ Advanced Traffic Signal Controllers (ATC)
- ✓ Adaptive Control Systems
- ✓ Advanced Traffic Management Systems (ATMS)
- ✓ Closed Circuit Television (CCTV) Systems
- ✓ Wi-Fi/Bluetooth Arterial Management Systems
- ✓ Vehicle detection systems (loops, video, radar)
- ✓ Emergency Signal Priority Systems
- ✓ Pedestrian and Bicyclist Detection Systems
- ✓ Signal Performance Measurements (SPMs)
- ✓ Traffic Management Centers (TMC)
- ✓ Signal Timing/Synchronization
- ✓ Signal Operations Maintenance

Relevant Traffic Signal Synchronization Project Experience

ADVANTEC has been a consultant to design and implement **18 Project P arterial corridors in Orange County, totaling over 500 intersections.** One key factor for our success is to address the needs of the stakeholders: OCTA, local cities, County, and Caltrans, who are the ultimate users of the traffic signal infrastructure, and who are responsible to the public for operating and maintaining smooth and efficient traffic signal operations. Table C.1 below summarizes some of our relevant Project P experience throughout Orange County from 2012 to the present.

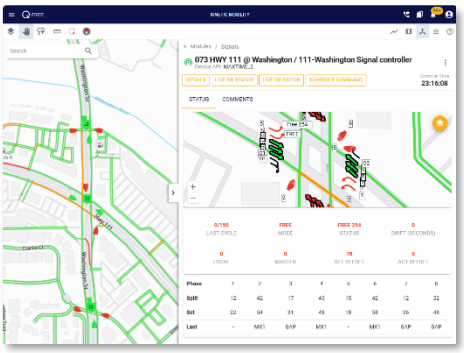
Table C.1 – OCTA REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROJECTS

Corridor	No. of Agencies	Agencies	No. of Ints.	Year
Olympiad-Felipe Rd	1	Mission Viejo	22	2024 – 2027
Garden Grove Blvd	4	Westminster, Fountain Valley, Santa Ana, Orange	34	2019 – 2023
Los Alisos Blvd	6	Aliso Viejo, Laguna Hills, Lake Forest, Mission Viejo, Rancho Santa Margarita, Caltrans	40	2019 – 2023
Camino Vera Cruz	1	San Clemente	5	2019 - 2022
Fairview Road	3	Costa Mesa, Santa Ana, Caltrans	31	2018 - 2022
Irvine Boulevard	3	Irvine, Tustin, Caltrans	33	2018 - 2021
Seal Beach Blvd	3	Seal Beach, Los Alamitos, Caltrans	13	2014 - 2017
Jeronimo Road	2	Lake Forest, Mission Viejo	15	2014 - 2017
Edinger Avenue	5	Santa Ana, Fountain Valley, Westminster, Huntington Beach, Caltrans	38	2013 - 2016
Jeffrey Road	2	Irvine, Newport Beach	33	2013 - 2016
Ave Hermosa/Los Mares	2	San Clemente, Caltrans	29	2012 - 2015
Ave Pico/El Camino Real	2	San Clemente, Caltrans	39	2012 - 2014

Relevant Technology and Operational Innovations

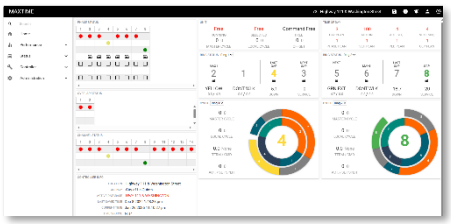
ADVANTEC is at the forefront of designing, implementing, and operating the latest ITS technologies in day-to-day traffic conditions and special events. Our staff has developed and deployed **local cities** to **regionwide network signal synchronization** and managed special events using advanced traffic management systems and operations centers that are connected to Bluetooth/Wi-Fi roadside units, video detection cameras, and High-definition CCTV that provide real-time counts and traffic conditions, allowing for quick response to traffic issues. **ADVANTEC has developed and implemented many innovative policies and operational approaches, such as:**

- ✓ Regionwide Signal Timing Parameters
- ✓ Network Signal Synchronization
- ✓ Special Events Traffic Operations via Regional TMC
- ✓ Traffic Responsive Pilot Projects
- ✓ Using Acyclica Arterial Management System, Yunex Roadside Units (RSUs), Iteris VDS, Bosch CCTV Cameras to collect real-time traffic data, speeds, origin destination, etc. to manage and update signal timing and synchronization plans in real-time
- ✓ Developing Big Data Work Plan to manage traffic operations.
- ✓ Designed and currently building a Traffic Operations Center inside La Quinta Polo Fields to support management of traffic, parking, circulation, etc. during major special events, including Coachella Music Festival and Stagecoach



ADVANTEC is also working with equipment vendors and manufacturers to develop and test the use of Artificial Intelligence (AI) on many aspects of traffic management and operations. Some potential applications include:

- ✓ Traffic Operations / Special Event Operations
- ✓ Weather Event Operations
- ✓ Integrated Corridor Management (ICM)
- ✓ Dynamic TSS Plans
- ✓ Connected/Automated Vehicles



Jose Guedes, TE

Project Manager

Jose Guedes is a project manager, senior engineer, and team leader in ADVANTEC's Traffic Signal Operations and Synchronization practice. He has over 35 years of experience in traffic forecast/modeling, operations, and engineering, including 28 years in traffic signal synchronization project management on over 3,000 intersections.

Registration:
Traffic Engineering, CA TR1861
Years of Experience: 35
Years with Firm: 15
Education:
M.S, Transportation Engineering, University of California, Irvine, 1990
B. S., Civil Engineering, Universidade de Sao Paulo, Brazil, 1986
Professional Affiliations:
Institute of Transportation Engineers (ITE)

Relevant Project Experience

Design Services for Olympiad Road-Felipe Road TSSP (Mission Viejo, CA) | *Ongoing* – ITS Task Leader. This project was funded by OCTA's Regional Traffic Signal Synchronization Program (RTSSP) for the Olympiad Road-Felipe Road Traffic Signal Synchronization Project (TSSP), and the City of Mission Viejo is the lead agency for this project. ADVANTEC is responsible for the preparation of plans, specifications and engineer's estimates (PS&E) for Intelligent Transportation Systems (ITS) upgrades, traffic signal equipment upgrades, including fiber optic communications and traffic signal timing and synchronization along the Olympiad-Felipe corridor from Marguerite Parkway (North) & Olympiad Road to Marguerite Parkway (South) & Felipe Road. The project includes 16 signalized intersections along the corridor and 6 additional traffic signals located within half-mile along crossing streets. The majority of the traffic signal controllers are upgraded to Cobalt ATCs with ASC/3 software. The communication upgrades along this corridor consisted of new Cisco Ethernet switches for traffic signals (edge switches) and one communication hub (aggregate switch), including the removal of existing and installation of new fiber optic cable (24 SMFO cable) along Felipe Road from El Retiro to Camden (1,130') inside existing conduit.

Adaptive Traffic/Traffic Responsive Control Phase 1 (Alhambra, CA) | *2025* - Project Manager. The project consists of developing and implementing mobility improvements along four major corridors in the City of Alhambra: Atlantic Boulevard, Garfield Avenue, Fremont Avenue, and Valley Boulevard. Phase 1 of the project includes preparation of a project development plan, preliminary engineering and costs, operational analysis, Concept of Operations, and recommendations on ITS technologies and adaptive/responsive traffic control strategies. Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) based on the improvements approved in Phase 1. This phase includes equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report, including a "before and after study" comparison analysis.

Coachella Valley Association of Governments (CVAG) Regional Traffic Signal Synchronization Program – *Phase I and Phase II* (Coachella Valley, Riverside County, CA) | *Ongoing* - Task Leader for Signal Synchronization. Mr. Guedes played a pivotal role in advancing the Intelligent Transportation Systems Programs for Coachella Valley, emphasizing the development of a smart region and preparing the region to integrate current and upcoming multi-modal transportation technologies and smart mobility programs. As a key member of the ADVANTEC team, he led the development of regionwide timing parameter guidelines and traffic signal synchronization plans for Phase I and Phase II, covering 25 corridors and 400 signalized intersections. He is actively refining synchronization plans for the summer season along three Phase I corridors: Highway 111, Washington Street, and Ramon Road.

City of Monterey Park, Adaptive Traffic/Traffic Responsive Control | *2025* - Task Leader for Signal Timing and Synchronization. The project consists of developing and implementing mobility improvements along four major corridors in the City of Alhambra: Atlantic Boulevard, Garfield Avenue, Fremont Avenue, and Valley Boulevard. These improvements were planned and developed with adjacent cities, Los Angeles County, and L.A. Metro Bus Priority project. Phase 1 of the project includes preparation of a project development plan, preliminary engineering and costs, operational analysis, Concept of Operations, and recommendations on ITS technologies and adaptive/responsive traffic control strategies. Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) based on the approved improvements from Phase 1, implementing a Pilot Project, procuring an adaptive traffic control system (ATCS), and developing responsive traffic signal timing and coordination plans. This phase also consists of equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report, including a "before and after study" comparison analysis.

Los Alisos Boulevard Route Traffic Signal Synchronization and ITS Project (OCTA, Orange County, CA) | *2023* - Project Manager. Funded by OCTA's Project P program, this project involved the development of signal synchronization and Intelligent Transportation Systems (ITS) enhancements along Aliso Viejo Parkway, Laguna Hills Drive, Paseo De Valencia, Los Alisos Boulevard, and Melinda Road (40 signals). Mr. Guedes spearheaded this Design-Build initiative, which entailed updating timing parameters in compliance with the latest CA-MUTCD standards, implementing signal synchronization, and designing, procuring, installing, and integrating ITS components, such as Fiber-Optic cables, Radar vehicle detection systems, GPS-based preemption technology, and CCTV cameras. Additionally, the project encompassed the replacement of cabinets and controllers across Aliso Viejo, Laguna Hills, Lake Forest, Mission Viejo, and Rancho Santa Margarita. A two-year operation and monitoring phase followed, incorporating monthly travel time surveys and synchronization timing monitoring.

Garden Grove Boulevard Traffic Signal Synchronization and ITS Project (OCTA, Orange County, CA) | *2023* – Task Leader for Signal Synchronization. Funded by OCTA's Regional Traffic Signal Synchronization Program (RTSSP), also known as Project P, this initiative entailed the development of signal synchronization and Intelligent Transportation Systems (ITS) enhancements along Garden Grove Boulevard, spanning from Valley View Street to Bristol Street (38 signals). Mr. Guedes assisted this Design-Build project, which involved updating timing parameters in accordance with the latest CA-MUTCD guidelines, implementing signal synchronization, and design, procurement, installation and integration of ITS components, such as Fiber-Optic cables, Video vehicle detection systems, CCTV cameras, as well as replacing the Video Wall at the Traffic Management Center, cabinets, and controllers across Westminster, Garden Grove, Orange, and Santa Ana. The project also included a two-year operation and monitoring phase, encompassing monthly travel time surveys and synchronization timing monitoring.

Fairview Road Corridor Traffic Signal Coordination Project (Costa Mesa, CA) | *2022* **–** Project Manager. The City of Costa Mesa, in partnership with the City of Santa Ana, was awarded a grant by the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP - Project P) for the Fairview Road Corridor Traffic Signal Coordination Project. The project includes coordinating traffic signal timing and providing necessary upgrades to traffic signal infrastructure, including integration and improvements to monitor signals at the City's Traffic Management Center. The Fairview Corridor contains 34 signals between Garden Grove Boulevard and Newport Boulevard and runs 8.5 miles crossing the jurisdictions of Costa Mesa, Santa Ana and Caltrans. ADVANTEC was selected to conduct this Design-Build project, which consists of updating timing parameters using the latest CA-MUTCD, development of signal synchronization (34 signals), and includes the design and installation of: wireless communications, Fiber-Optic cables, Radar vehicle detection, GPS-based preemption, CCTV cameras, and replacement of cabinets and controllers. The project includes a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Carlos A. Ortiz, PE, TE, PTOE

Project Director

Mr. Ortiz is a globally recognized expert bringing smart mobility and technology solutions to Smart Cities/Regions, Connected/Automated Vehicles (CAV), Intelligent Transportation Systems (ITS), Traffic Engineering, and Transportation Planning and Engineering Projects and Programs for numerous agencies, private developments, and institutions. He has worked on many multi-modal and complex projects and can resolve problems quickly and efficiently by drawing on his many years of experience in our transportation industry. ***Mr. Ortiz served on the ITE International Board of Directors as International Director, representing the ITE Western District. Mr. Ortiz is currently serving on the Board at ITS California.***

Registration:
Civil Engineer, CA, C057535
Traffic Engineer, CA, 2025
PTOE, US, 426
Years of Experience: 36
Years with Firm: 10
Education:
B.S., Civil Engineering, California State Polytechnic University, Pomona
Professional Affiliations:
School of Civil Engineering Industry Advisory Council (IAC), California State Polytechnic University, Pomona
ITE International, Past Board Member
- ITE International Past Board of Direction
- TSMO Council
- Transportation Consultant Council
- Industry Council
- Advocacy Committee
- Nomination Committee

ITS California, Board Member
- ITS CA Board of Direction
- ITS CA Partnership Chair
- ITS CA Southern Section Past Chair
- ITS CA Annual Conference Committee

Relevant Project Experience

Coachella Valley Association of Governments (CVAG) Regional Traffic Signal Synchronization Program – Phase II (Coachella Valley, Riverside County, CA) | *Ongoing* - Project Manager. ADVANTEC has been awarded a second sole-source contract by CVAG to expand the development and implementation of the Smart Region Program in the Coachella Valley. Phase II follows the guiding principles of the Phase I Program to prepare local agencies and CVAG for future emerging transportation technologies, including connected vehicles, autonomous vehicles, big data, integrated corridor management (ICM), and Smart Cities initiatives; with an emphasis in the deployment of valley-wide intelligent transportation technologies, signal synchronization, and installation of Traffic Management Centers (TMC). Currently, *Phase II* of the program consists of major tasks including: Environmental, Preliminary Engineering, Technology Assessment and Evaluation (including Intelligent Transportation systems, Connected and Autonomous Vehicles, and Smart Cities), Systems Integrator Procurement and Design, Coordinating and Managing the Transportation Systems Management and Operations (TSM&O) Committee Meetings, grant application support, and maintenance of the project website. Under the Phase II Program, ADVANTEC is preparing the final design of eighteen (18) priority corridors, modification/expansion of ten (10) Traffic Management Centers (TMC), three (3) Data Aggregated Centers (DAC), and the Regional TMC. In addition, *Phase II includes upgrades of 245 traffic signal systems, installation/upgrade of approximately 95-miles of signal communications, and installation of various ITS field elements, including closed-circuit television systems, dynamic/changeable message signs, arterial management systems, detection systems, and C-V2X for vehicle-to-infrastructure (V2I) communications. Phase II also includes the planning, design and implementation of Broadband Communications along 21 corridors in the Coachella Valley.*

City of Monterey Park, Adaptive Traffic/Traffic Responsive Control | *Ongoing* – Project Director. The project involved developing and implementing mobility improvements along three major corridors in the City of Monterey Park: Atlantic Boulevard, Garfield Avenue and Garvey Avenue. Phase 1 consists of preparing a Traffic Signal and Communications Plan report. This report was developed to analyze existing traffic signal, ITS, and communications infrastructure and operations. Based on the results of the existing conditions analysis, recommendations are provided that define the project traffic signal, ITS, and communications infrastructure and traffic operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization). This phase includes a cost analysis to determine if the recommended improvements can be implemented within the allocated funds from the grant. Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) and implementing traffic signal timing and operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization) based on the recommended improvements from Phase 1. This phase also included equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report, including a "before and after study" comparison analysis.

Los Alisos Boulevard Route Traffic Signal Synchronization and ITS Project (OCTA, Orange County, CA) | *2023*- Project Director. Funded by OCTA's Project P program, this project involved the development of signal synchronization and Intelligent Transportation Systems (ITS) enhancements along Aliso Viejo Parkway, Laguna Hills Drive, Paseo De Valencia, Los Alisos Boulevard, and Melinda Road (40 signals). Mr. Guedes spearheaded this Design-Build initiative, which entailed updating timing parameters in compliance with the latest CA-MUTCD standards, implementing signal synchronization, and designing and installing Fiber-Optic cables, Radar vehicle detection systems, GPS-based preemption technology, and CCTV cameras. Additionally, the project encompassed the replacement of cabinets and controllers across Aliso Viejo, Laguna Hills, Lake Forest, Mission Viejo, and Rancho Santa Margarita. A two-year operation and monitoring phase followed, incorporating monthly travel time surveys and synchronization timing monitoring.

Garden Grove Boulevard Traffic Signal Synchronization and ITS Project (OCTA, Orange County, CA) | *2023* – Project Director. This project was funded by OCTA's Regional Traffic Signal Synchronization Program (RTSSP), also known as Project P, and it consisted of the development of signal synchronization and ITS improvements along Garden Grove Boulevard, from Valley View Street to Bristol Street (38 signals). This Design-Build project consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization, and design and installation of: Fiber-Optic cables, Video vehicle detection, CCTV cameras, replacement of Video Wall at Traffic Management Center, and replacement of cabinets and controllers, in the cities of Westminster, Garden Grove, Orange and Santa Ana. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Coachella Valley Association of Governments (CVAG) Regional Traffic Signal Synchronization Program – Phase I (Coachella Valley, Riverside County, CA) | *2023* - Project Manager. As part of this program, ADVANTEC developed the Regionwide ITS Master Plan that will be used as a planning tool to prepare local agencies and CVAG for future emerging transportation technologies including nine (9) Traffic Operation Centers (TOC), One (1) Regional Traffic Management Center(TMC), connected and automated vehicles (CAV), Big Data, integrated corridor management (ICM), Mobility-as-a-Service (MaaS), Mobility on Demand (MOD), and Smart Cities initiatives. The work consists of thirty-five major tasks including: CVAG Traffic Signal Interconnect Master Plan, System Engineering Management Plan (SEMP), Concept of Operations (ConOps) and Strategic Deployment Plan, System Requirements, Environmental, Preliminary Engineering, Technology Assessment and Evaluation (including Intelligent Transportation systems, CAV, and Smart Cities), Systems Integrator Procurement and Design, System Implementation, Construction Management and Inspection, Traffic Signal Synchronization, Operations and Maintenance, and preparation of project website. ADVANTEC prepared final plans, specifications, and engineer's estimates (PS&E) for Phase I, including three major corridors and 138 signalized intersections. ITS elements consist of open architecture and *state-of-the-art 2070 and NEMA ATC units with Application Programing Interface (API), Openly sharing Management Information Base (MIBs) at no cost to CVAG,* Smart Closed-Circuit Television (CCCTV) systems with analytics, Arterial Performance Measurement Systems (APEMS), Changeable Message Signs (CMS), Video/Radar Detection Systems, secured Ethernet fiber optic communications and the Regional TMC and nine (9) local TOCs. Phase II-A consists of 22 corridors and 245 signalized intersections, and Phase II-B consists of 49 corridors and 275 signalized intersections.

Coachella Valley Association of Governments (CVAG) Smart Region Program – Regional Broadband Communications (Coachella Valley, Riverside County, CA) | *2023* - Project Manager. As part of the Region's Smart Region Program, ADVANTEC provides planning and design professional services for implementing Broadband Communications along 24 Corridors in the Coachella Valley. The State of California Middle Mile Grant funds the first project to design Broadband Communications along Highway 111 from Palm Springs to Coachella. ADVANTEC supports CVAG in extending the region's broadband program to the Salton Sea.

Marguerite Parkway Traffic Signal Synchronization Program (TSSP) Project (Orange County, CA) – Project Manager. As part of an on-call traffic engineering services contract for Orange County Transportation Authority (OCTA) and Hartzog, Crabill & Associates, Mr. Ortiz was responsible for the synchronization of 32 traffic signals in the cities of Mission Viejo and San Juan Capistrano. Benefits to be gained by improving traffic flow include reduced fuel consumption and improved air quality. The project consisted of reviewing the geometric layout, existing traffic signal equipment, signal synchronization-related infrastructure, and model development using Synchro software. An additional project objective was to identify deficiencies with the existing traffic signal control equipment and intersection operations, and provide recommendations towards simple, low-cost solutions that may be implemented to correct such deficiencies, to assist the traffic operations along this corridor.

John A. Dorado, PE

Task Leader - System Design/ITS PS&E

Registration:
California, Civil Engineering No. 74405
IMSA Certified Traffic Signal Field Technician Level II, No. BE_106965
IMSA Certified Traffic Signal Technician Level I, No. AA_106965
IMSA Certified Work Zone Temporary Traffic Control Technician, No. ZZ_106965
Years of Experience: 26
Years with Firm: 9
Education:
BS, Civil Engineering, California State University, Fullerton, CA

Professional Affiliations:
Institute of Transportation Engineers (ITE)
Orange County Traffic Engineering Council (OCTEC)
International Municipal Signal Association (IMSA)

Mr. John Dorado is a Senior Project Manager. Mr. Dorado is a dedicated and technically skilled business professional with over 26 years of experience in Intelligent Transportation Systems (ITS) engineering, planning and design, traffic engineering, and transportation planning. He provides a balanced understanding of public and private sector projects, skillfully meets challenges, and creates positive change. Some of his notable projects are as follows:

Relevant Project Experience

Design Services for Olympiad Road-Felipe Road TSSP (Mission Viejo, CA) | *Ongoing* – ITS Task Leader. This project was funding by OCTA's Regional Traffic Signal Synchronization Program (RTSSP) for the Olympiad Road-Felipe Road Traffic Signal Synchronization Project (TSSP), and the City of Mission Viejo is the lead agency for this project. ADVANTEC is responsible for the preparation of plans, specifications and engineer's estimates (PS&E) for Intelligent Transportation Systems (ITS) upgrades, traffic signal equipment upgrades including fiber optic communications and traffic signal timing and synchronization along the Olympiad-Felipe corridor from Marguerite Parkway (North) & Olympiad Road to Marguerite Parkway (South) & Felipe Road. The project includes 16 signalized intersections along the corridor and 6 additional traffic signals located within half-mile along crossing streets. The majority of the traffic signal controllers are upgraded to Cobalt ATCs with ASC/3 software. The communication upgrades along this corridor consisted of new Cisco Ethernet switches for traffic signals (edge switches) and one communication hub (aggregate switch) including the removal of existing and installation of new fiber optic cable (24 SMFO cable) along Felipe Road from El Retiro to Camden (1,130') inside existing conduit.

Coachella Valley Association of Governments (CVAG) Regional Traffic Signal Synchronization Program – Phase I and Phase II (Coachella Valley, Riverside County, CA) | *Ongoing (Construction)* - Deputy Project Manager. Mr. Dorado played a pivotal role in advancing the Intelligent Transportation Systems Programs for Coachella Valley with an emphasis in the development of a smart region and prepare the region for integration of current and upcoming multi-modal transportation technologies, and smart mobility programs. ADVANTEC prepared final plans, specifications, and engineer's estimates (PS&E) for Phase I and includes three major corridors and 138 signalized intersections. ITS elements consist of open architecture and state-of-the-art 2070 and NEMA ATC units with Application Programing Interface (API), Openly sharing Management Information Base (MIBs) at no cost to CVAG, Smart Closed-Circuit Television (CCCTV) systems with analytics, Arterial Performance Measurement Systems (APEMS), Changeable Message Signs (CMS), Video/Radar Detection Systems, secured Ethernet fiber optic communications and the Regional TMC and nine (9) local TOCs. Phase II-A consists of 22 corridors and 245 signalized intersections; and Phase II-B consist of 49 corridors and 275 signalized intersections.

Citywide Traffic and ITS Upgrades and Adaptive Traffic/Traffic Responsive Control Project (Monterey Park, CA) | *Ongoing* **–** Project Manager. The project consisted of development and implementation of mobility improvements along three major corridors in the City of Monterey Park: Atlantic Boulevard, Garfield Avenue and Garvey Avenue. These improvements were planned and developed in conjunction with adjacent cities, Los Angeles County, and L.A. Metro Bus Priority project. Phase 1 consists of preparing a Traffic Signal and Communications Plan report developed to analyze existing traffic signal, ITS, and communications infrastructure and traffic operations. Based on existing conditions analysis, recommendations are provided that define the project traffic signal, ITS, and communications infrastructure and traffic operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization). Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) and implementing traffic signal timing and operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization), and implementing a Pilot Project, procurement of an adaptive traffic control system (ATCS), and developing responsive traffic signal timing and coordination plans. This phase also consists of equipment procurement, environmental

documentation and clearance, bid and construction support, system integration support, and final project report including a "before and after study" comparison analysis.

Design Services Citywide Traffic Signal Optimization Project (Corona, CA) | *Ongoing (Construction)* **–** Project Manager. The purpose of this project is to enhance safety and mobility and reduce environmental impacts of motorists by implementing technologies that will result in more efficient traffic detection and optimize traffic signal operations on the City's major arterial corridors. This goal will be accomplished using advanced high-definition hybrid camera/radar sensors, high-resolution traffic data acquisition, and advanced traffic algorithms capable of adapting to changes in traffic conditions. This includes expanding the City's current central traffic control system (Econolite Centracs ATMS), enhancing several ITS sub-systems, and preparing the City for implementing Next-Generation technologies, such as an Adaptive Traffic Control System (ATCS) and Automated Traffic Signal Performance Measures (ATSPMs). The project improvements include but are not limited to; new advanced traffic controllers (Econolite's Cobalt ATC NEMA/2070), hybrid radar/video detection systems, Ethernet switches, system detection improvements, in-cabinet fiber optic equipment (as needed), and required software licensing along 12 corridors. All ITS devices and traffic signals will be integrated to the City's Traffic Management Center (TMC) where all systems can be managed and controlled by the TMC operator(s). The following summarizes the project corridors (12) and the number of signalized intersections within project limits per corridor, for a total of 126 intersections.

City of Huntington Beach (Citywide Smart City Projects, CA) | *2024*– Project Manager. ADVANTEC provided Systems Engineering and design services (PS&E) for various projects in the City of Huntington Beach. The projects included ITS upgrades at these locations: City Hall to the downtown area and City building and facilities; Oak View Community Center and City Well Site; City Hall to Utility Yard; and TS Signal Upgrades along Garfield Avenue. The projects consisted of installing fiber optic cable and conduit, traffic signal controllers, and ethernet switches. ADVANTEC also ensured network improvements were compatible, expandable, and scalable for the City's traffic management and monitoring systems, and for the City's Information Technology (IT) network. This included fiber assignments and management, connectivity, and setup of virtual local area networks (VLAN), and internet protocol (IP) addressing. This configuration was established to virtually separate data/video from the traffic and ITS infrastructure, and the data/information/video from City's buildings and facilities. Strategies were also implemented for cyber security and redundant communications. These projects were strategic to the City's Fiber and Communications Master Plan and expanded their fiber optic infrastructure to the various areas throughout the City. These projects required close coordination with the City's IT staff and building department during the design, and network development stages. In addition, coordination with Caltrans was required to obtain encroachment permits for the work along Pacific Coast Highway and Beach Boulevard.

OCTA, Garden Grove Boulevard Traffic Signal Synchronization and ITS Project, Orange County, CA | *2023* – Project Manager. This project was funded by OCTA's Regional Traffic Signal Synchronization Program (RTSSP), also known as Project P, and it consisted of development of signal synchronization and ITS improvements along Garden Grove Boulevard, from Valley View Street to Bristol Street (38 signals). This Design-Build project consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization, and design and installation of: Fiber-Optic cables, Video vehicle detection, CCTV cameras, replacement of Video Wall at Traffic Management Center, and replacement of cabinets and controllers, in the cities of Westminster, Garden Grove, Orange and Santa Ana. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Fairview Road Corridor Traffic Signal Coordination Project (Costa Mesa, CA) | *2022* – Task Leader. The City of Costa Mesa, in partnership with the City of Santa Ana, was awarded a grant by the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP - Project P) for the Fairview Road Corridor Traffic Signal Coordination Project. The project includes coordinating traffic signal timing and providing necessary upgrades to traffic signal infrastructure including integration and improvements to monitor signals at City's Traffic Management Center. The Fairview Corridor contains 34 signals between Garden Grove Boulevard and Newport Boulevard and runs 8.5 miles crossing the jurisdictions of Costa Mesa, Santa Ana and Caltrans. ADVANTEC was selected to conduct this Design-Build project, which consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization (34 signals), and includes the design and installation of: wireless communications, Fiber-Optic cables, Radar vehicle detection, GPS-based preemption, CCTV cameras, and replacement of cabinets and controllers. Project also includes a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

John Cox

Task Leader - Construction Support

Registration:
IMSA Level II Technician #BE-864-17
IMSA Work Zone Certified #AA-86417
Corning Inc.
International Fiber Systems (IFS)
Years of Experience: 26
Years with Firm: 12
Education:
Fullerton College
Engineering Technology
Rancho Santiago College
Project Management
Professional Affiliations:
International Municipal Signal Association (IMSA)
Institution Traffic Engineers (ITE)
Orange County Traffic Engineers Council (OCTEC)
Intelligent Transportation Systems California (ITS CA)

Mr. Cox is a Systems Engineer for ADVANTEC who specializes in Intelligent Transportation Systems, Communications, Fiber Optic Technologies, Closed Circuit Television, Changeable Message Signs, Wireless Broadband Ethernet, Traffic Management Center Systems Integration and various Advanced Traffic Management System hardware/software suites. With extensive experience in the transportation industry, Mr. Cox has been involved in dozens of transportation and traffic engineering projects that include both design and execution of Traffic Signal, ITS, CCTV, CMS, TMS and Fiber Optic Communications. Mr. Cox has integrated and maintained such systems to support centralized signal control deployments. Additionally, he has an extensive background in the public sector, where he designed and maintained the Traffic Management Center of the City of Costa Mesa for over 10 years. The following provides a summary of his successful project deliveries for clients over the past 26 years:

Relevant Project Experience

Design Services for Olympiad Road-Felipe Road TSSP (Mission Viejo, CA) | *Ongoing* – ITS Systems Engineer. This project was funding by OCTA's Regional Traffic Signal Synchronization Program (RTSSP) for the Olympiad Road-Felipe Road Traffic Signal Synchronization Project (TSSP), and the City of Mission Viejo is the lead agency for this project. ADVANTEC is responsible for the preparation of plans, specifications and engineer's estimates (PS&E) for Intelligent Transportation Systems (ITS) upgrades, traffic signal equipment upgrades including fiber optic communications and traffic signal timing and synchronization along the Olympiad-Felipe corridor from Marguerite Parkway (North) & Olympiad Road to Marguerite Parkway (South) & Felipe Road. The project includes 16 signalized intersections along the corridor and 6 additional traffic signals located within half-mile along crossing streets. The majority of the traffic signal controllers are upgraded to Cobalt ATCs with ASC/3 software. The communication upgrades along this corridor consisted of new Cisco Ethernet switches for traffic signals (edge switches) and one communication hub (aggregate switch) including the removal of existing and installation of new fiber optic cable (24 SMFO cable) along Felipe Road from El Retiro to Camden (1,130') inside existing conduit.

Citywide Traffic and ITS Upgrades and Adaptive Traffic/Traffic Responsive Control Project (Monterey Park, CA) | *Ongoing* **–** Systems Engineer. The project consisted of development and implementation of mobility improvements along three major corridors in the City of Monterey Park: Atlantic Boulevard, Garfield Avenue and Garvey Avenue. These improvements were planned and developed in conjunction with adjacent cities, Los Angeles County, and L.A. Metro Bus Priority project. Phase 1 consists of preparing a Traffic Signal and Communications Plan report developed to analyze existing traffic signal, ITS, and communications infrastructure and traffic operations. Based on existing conditions analysis, recommendations are provided that define the project traffic signal, ITS, and communications infrastructure and traffic operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization). Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) and implementing traffic signal timing and operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization), and implementing a Pilot Project, procurement of an adaptive traffic control system (ATCS), and developing responsive traffic signal timing and coordination plans. This phase also consists of equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report including a "before and after study" comparison analysis.

Coachella Valley Association of Governments (CVAG) Smart Region Program – *Phase II* (Coachella Valley, Riverside County, CA) | *Ongoing (Construction)* – Systems Engineer. ADVANTEC has been awarded a second contract by CVAG to expand the development and implementation of *Smart Region Program* in the Coachella Valley. Phase II follows the guiding principles of the Phase I Program to prepare local agencies and CVAG for future emerging transportation technologies including connected vehicles, autonomous

vehicles, big data, integrated corridor management (ICM), and Smart Cities initiatives; with an emphasis in the deployment of valley-wide intelligent transportation technologies, signal synchronization, and installation of Traffic Management Centers (TMC). Currently, Phase II of the program consists of major tasks including: Environmental, Preliminary Engineering, Technology Assessment and Evaluation (including Intelligent Transportation systems, Connected and Autonomous Vehicles, and Smart Cities), Systems Integrator Procurement and Design, Coordinating and Managing the Transportation Systems Management and Operations (TSM&O) Committee Meetings, grant application support, and maintenance of project website. Under the Phase II Program, ADVANTEC is preparing final design of eighteen (18) priority corridors, modification/expansion of ten (10) Traffic Management Centers (TMC), three (3) Data Aggregated Centers (DAC), and the Regional TMC. In addition, *Phase II includes upgrades of 245 traffic signal systems, installation/upgrade of approximately 95-miles of signal communications, and installation of various ITS field elements, including closed-circuit television systems, dynamic/changeable message signs, arterial management systems, detection systems, and C-V2X for vehicle-to-infrastructure (V2I) communications. Phase II also includes the planning, design and implementation of Broadband Communications along 21 corridors in the Coachella Valley.*

Imperial Highway Intelligent Transportation System (ITS) Project, PS&E, (Norwalk, CA) | *2025* – Systems Engineer. ADVANTEC was responsible for the preparation of plans, specifications and engineer's estimates (PS&E) for Intelligent Transportation Systems (ITS) upgrades, traffic signal equipment and detection upgrades, and improvements for ADA compliance. This project included fiber optic communications testing, traffic signal timing and coordination for the City's Imperial Highway Intelligent Transportation System (ITS) from San Gabriel River to Shoemaker Avenue Project. The proposed project improvements involved the installation of 7,000 linear feet of fiber optic cable from the city limits at the San Gabriel River to Firestone Boulevard.

Los Alisos Boulevard Route Traffic Signal Synchronization and ITS Project (OCTA, Orange County, CA) | *2023* - Systems Engineer. Funded by OCTA's Project P program, this project consisted of development of signal synchronization and ITS improvements along Aliso Viejo Parkway, Laguna Hills Drive, Paseo De Valencia, Los Alisos Boulevard and Melinda Road, (40 signals). ADVANTEC was selected to conduct this Design-Build project, which consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization, design and installation of: Fiber-Optic cables, Radar vehicle detection, GPS-based preemption, CCTV cameras, and replacement of cabinets and controllers, in the cities of Aliso Viejo, Laguna Hills, Lake Forest, Mission Viejo and Rancho Santa Margarita. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

OCTA, Garden Grove Boulevard Traffic Signal Synchronization and ITS Project, Orange County, CA | *2023* – Systems Engineer. This project was funded by OCTA's Regional Traffic Signal Synchronization Program (RTSSP), also known as Project P, and it consisted of development of signal synchronization and ITS improvements along Garden Grove Boulevard, from Valley View Street to Bristol Street (38 signals). This Design-Build project consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization, and design and installation of: Fiber-Optic cables, Video vehicle detection, CCTV cameras, replacement of Video Wall at Traffic Management Center, and replacement of cabinets and controllers, in the cities of Westminster, Garden Grove, Orange and Santa Ana. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Fairview Road Corridor Traffic Signal Coordination Project (Costa Mesa, CA) | *2022* – Systems Engineer. The City of Costa Mesa, in partnership with the City of Santa Ana, was awarded a grant by the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP - Project P) for the Fairview Road Corridor Traffic Signal Coordination Project. The project includes coordinating traffic signal timing and providing necessary upgrades to traffic signal infrastructure including integration and improvements to monitor signals at City's Traffic Management Center. The Fairview Corridor contains 34 signals between Garden Grove Boulevard and Newport Boulevard and runs 8.5 miles crossing the jurisdictions of Costa Mesa, Santa Ana and Caltrans. ADVANTEC was selected to conduct this Design-Build project, which consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization (34 signals), and includes the design and installation of: wireless communications, Fiber-Optic cables, Radar vehicle detection, GPS-based preemption, CCTV cameras, and replacement of cabinets and controllers. Project also includes a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Ryan Miller

Task Leader Project Report and O&M Phase

Registration:
Engineer-in-Training (CA) #138331
IMSA Certified Work Zone Temporary Traffic Control Technician, No. ZZ_129800
Years of Experience: 13
Years with Firm: 12
Education:
B.S., Civil Engineering, California State Polytechnic University, Pomona, 2009
Professional Affiliations:
Institute of Transportation Engineers (ITE)
American Society of Civil Engineering (ASCE)
Orange County Traffic Engineers Committee (OCTEC)

Ryan Miller is a project engineer with experience in traffic engineering studies, traffic signal synchronization and operations, and ITS design. Ryan has 13 years of experience and has worked on multiple traffic signal synchronization studies. He is an expert in the use of Synchro, SimTraffic and Tru-Traffic software. His Traffic and Design software experience includes AutoCAD, Civil3D, and MicroStation.

Relevant Project Experience

City of Alhambra, Adaptive Traffic/Traffic Responsive Control | *2026* – Project Engineer. The project consists of the development and implementation of mobility improvements along four major corridors in the City of Alhambra: Atlantic Boulevard, Garfield Avenue, Fremont Avenue, and Valley Boulevard. Phase 1 of the project includes preparation of a project development plan, preliminary engineering and costs, operational analysis, Concept of Operations, and recommendations on ITS technologies and adaptive/responsive traffic control strategies. Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) based on the approved improvements from Phase 1. This phase also consists of equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report including a "before and after study" comparsion analysis.

City of Glendale, Citywide Traffic and Mobility Study | *Ongoing* – Project Engineer. The primary goal of the CTMS is to improve traffic and mobility within the City by providing a detailed analysis of the City's transportation system and a quantitative view of current transportation issues, impacts, concerns, trends, system capacity surplus and shortfalls.
The CTMS will assess the existing traffic and congestion throughout the City, expand the City's current Synchro Level of Service (LOS) model to evaluate the existing traffic flow, forecast the near-term-future (10 years) traffic congestions using City's Traffic model, provide recommended countermeasure alternatives to improve traffic flow and circulation, while maintaining consideration of other active modes of travel and discouraging commuter traffic intrusion into residential neighborhoods.
The CTMS will also evaluate lane reconfiguration alternatives identified in the latest versions of the Citywide Pedestrian Plan (CPP) and the Glendale Bicycle Transportation Plan (BTP) and respective impacts on traffic congestion, circulation, and potential traffic intrusion into residential neighborhoods. The study will develop innovative ideas to improve possible congestion resulting from implementation of the BTP and CPP.
The CTMS also includes a) preparation of a Citywide Emergency Vehicle Response Routes to assist fire department during major emergencies; b) public and stakeholder outreach to gather input from public through surveys and website; and, c) a Speed Limit Study to identify street segments that may qualify as "Business Activity Districts" and be considered for lower speed limits. Results from the CTMS data collection and analysis will be made available through user-friendly GIS maps.

Coachella Valley Association of Governments (CVAG) Regional Traffic Signal Synchronization Program – *Phase I and Phase II* (Coachella Valley, Riverside County, CA) | *Ongoing* - Project Engineer for Signal Synchronization. Mr. Miller played a pivotal role in advancing the Intelligent Transportation Systems Programs for Coachella Valley with an emphasis in the development of a smart region and prepare the region for integration of current and upcoming multi-modal transportation technologies, and smart mobility programs. As a key member of the ADVANTEC team, he led the development of regionwide timing parameter guidelines, and traffic signal synchronization plans for Phase I and Phase II, covering a total of 25 corridors and 400 signalized intersections. Currently, he is actively involved in refining synchronization plans for the summer season along three Phase I corridors: Highway 111, Washington Street, and Ramon Road.

OCTA, Los Alisos Boulevard Route Regional Traffic Signal Synchronization Program (Orange County, CA) | *2023* – Task Leader. Mr. Miller optimized the signal timing and coordination for the 40 signalized intersections along the Route for the various participating agencies (City of Aliso Viejo, City of Laguna Hills, City of Lake Forest, City of Mission Viejo, Caltrans, and City of Rancho Santa Margarita).

He created the Synchro model for each time period. He analyzed and updated the existing yellow and red clearance timing and pedestrian timing to current California MUTCD standards. He performed implementation and fine-tuning of new coordination in the field. He also assisted with organizing the before and after travel time studies for the route.

OCTA, Garden Grove Boulevard Regional Traffic Signal Synchronization Program (Garden Grove, CA) | *2023* – Task Leader. Mr. Miller optimized the signal timing and coordination for the 43 signalized intersections along the Route for the various participating agencies (City of Westminster, City of Garden Grove, City of Orange, City of Santa Ana and Caltrans). He created the Synchro model for each time period. He analyzed and updated the existing yellow and red clearance timing and pedestrian timing to current California MUTCD standards. He performed implementation and fine-tuning of new coordination in the field. He also assisted with organizing the before and after travel time studies for the corridor.

Fairview Road Corridor Traffic Signal Coordination Project (Costa Mesa, CA) | *2022* – Project Engineer. The City of Costa Mesa, in partnership with the City of Santa Ana, was awarded a grant by the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP - Project P) for the Fairview Road Corridor Traffic Signal Coordination Project. The project includes coordinating traffic signal timing and providing necessary upgrades to traffic signal infrastructure including integration and improvements to monitor signals at City's Traffic Management Center. The Fairview Corridor contains 34 signals between Garden Grove Boulevard and Newport Boulevard and runs 8.5 miles crossing the jurisdictions of Costa Mesa, Santa Ana and Caltrans.

ADVANTEC was selected to conduct this Design-Build project, which consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization (34 signals), and includes the design and installation of: wireless communications, Fiber-Optic cables, Radar vehicle detection, GPS-based preemption, CCTV cameras, and replacement of cabinets and controllers. Project also includes a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Camino Vera Cruz Corridor Traffic Signal Synchronization Project (City of San Clemente, CA) | *2021* – Project Engineer. The City of San Clemente has received funds from the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP - Project P) for the Camino Vera Cruz Corridor Traffic Signal Synchronization. The project includes coordinating traffic signal timing and designing upgrades to traffic signal infrastructure including integration and improvements to monitor signals at City's Traffic Management Center. The Camino Vera Cruz Corridor contains 5 signals between Camino De Los Mares and Avenida Vista Hermosa, and extends for approximately 1.5 miles within the City of San Clemente. The project consists of updating timing parameters using latest CA-MUTCD, development of signal synchronization, and includes the design for installation of: Fiber-Optic cable, Ethernet switches, "Flashing Yellow" Left Turn Phasing, Radar vehicle detection, and replacement of controllers. Project also includes a two-year operation.

Irvine Boulevard Regional Traffic Signal Synchronization Project (Irvine, CA) | *2021* – Project Engineer. Project included signal synchronization of 28 signals along corridor, and implementation of new signal controllers into new Central System (Centracs). Project scope consisted of: calculation of new timing parameters (yellow clearance, pedestrian clearance, bicycle minimum green) in accordance to MUTCD; collection of 7-day ADT and turning movement counts; development of optimized synchronization timing plans for AM, Off-peak, Midday, PM and Evening periods; Before and After Study with video recording of travel runs; programming of new controllers; timing implementation and fine-tuning; and preparation of project final report. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

Rachel Tam, EIT

Lead Project Engineer | System Design/ ITS PS&E

Registration:
Engineer-In-Training, CA
Certificate No. EIT 174449
Years of Experience: 5
Years with Firm: 2
Education:
B.S., Civil Engineering, University of California, Los Angeles, CA, 2021

Rachel Tam is a graduate of the University of California, Los Angeles (UCLA). She joined ADVANTEC in October 2023 as an Associate Engineer. Rachel is a dedicated team member with experience with various traffic engineering projects, including traffic signal design, signing and striping design, traffic studies, traffic signal operations, active transportation, parking studies, and retractable bollard design. She is knowledgeable in AutoCAD, Synchro, Bluebeam Revu, and ArcGIS Pro.

Relevant Project Experience

Citywide Traffic and ITS Upgrades and Adaptive Traffic/Traffic Responsive Control Project (Monterey Park, CA) | *Ongoing* **–** Project Engineer. The project consisted of development and implementation of mobility improvements along three major corridors in the City of Monterey Park: Atlantic Boulevard, Garfield Avenue and Garvey Avenue. These improvements were planned and developed in conjunction with adjacent cities, Los Angeles County, and L.A. Metro Bus Priority project. Phase 1 consists of preparing a Traffic Signal and Communications Plan report developed to analyze existing traffic signal, ITS, and communications infrastructure and traffic operations. Based on existing conditions analysis, recommendations are provided that define the project traffic signal, ITS, and communications infrastructure and traffic operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization). Phase 2 consists of preparing project plans, specifications, and estimates (PS&E) and implementing traffic signal timing and operations improvements (adaptive traffic control, traffic responsive, and/or time of day traffic signal synchronization), and implementing a Pilot Project, procurement of an adaptive traffic control system (ATCS), and developing responsive traffic signal timing and coordination plans. This phase also consists of equipment procurement, environmental documentation and clearance, bid and construction support, system integration support, and final project report including a "before and after study" comparison analysis.

Design Services Citywide Traffic Signal Optimization Project (Corona, CA) | *Ongoing (Construction)* **–** Project Engineer. The purpose of this project is to enhance safety and mobility and reduce environmental impacts of motorists by implementing technologies that will result in more efficient traffic detection and optimize traffic signal operations on the City's major arterial corridors. This goal will be accomplished using advanced high-definition hybrid camera/radar sensors, high-resolution traffic data acquisition, and advanced traffic algorithms capable of adapting to changes in traffic conditions. This includes expanding the City's current central traffic control system (Econolite Centracs ATMS), enhancing several ITS sub-systems, and preparing the City for implementing Next-Generation technologies, such as an Adaptive Traffic Control System (ATCS) and Automated Traffic Signal Performance Measures (ATSPMs). The project improvements include but are not limited to; new advanced traffic controllers (Econolite's Cobalt ATC NEMA/2070), hybrid radar/video detection systems, Ethernet switches, system detection improvements, in-cabinet fiber optic equipment (as needed), and required software licensing along 12 corridors. All ITS devices and traffic signals will be integrated to the City's Traffic Management Center (TMC) where all systems can be managed and controlled by the TMC operator(s). The following summarizes the project corridors (12) and the number of signalized intersections within project limits per corridor, for a total of 126 intersections.

City of Norwalk, Pioneer Boulevard Traffic Signal, ITS, ADA, and FOC Improvements Project, Norwalk, CA – Project Engineer. Ms. Tam updated the traffic signal and fiber optic design plans for the Pioneer Boulevard HSIP Traffic Signal Modifications and Fiber Optic Improvements project. She ensured that all engineering estimates were precise and aligned with project requirements. The project aimed to upgrade traffic signal infrastructure and improve communication systems in Norwalk, CA, thereby enhancing overall traffic safety and efficiency. Her updates contributed to meeting project standards and client expectations. This effort supported modernizing the city's traffic signal and communication systems.

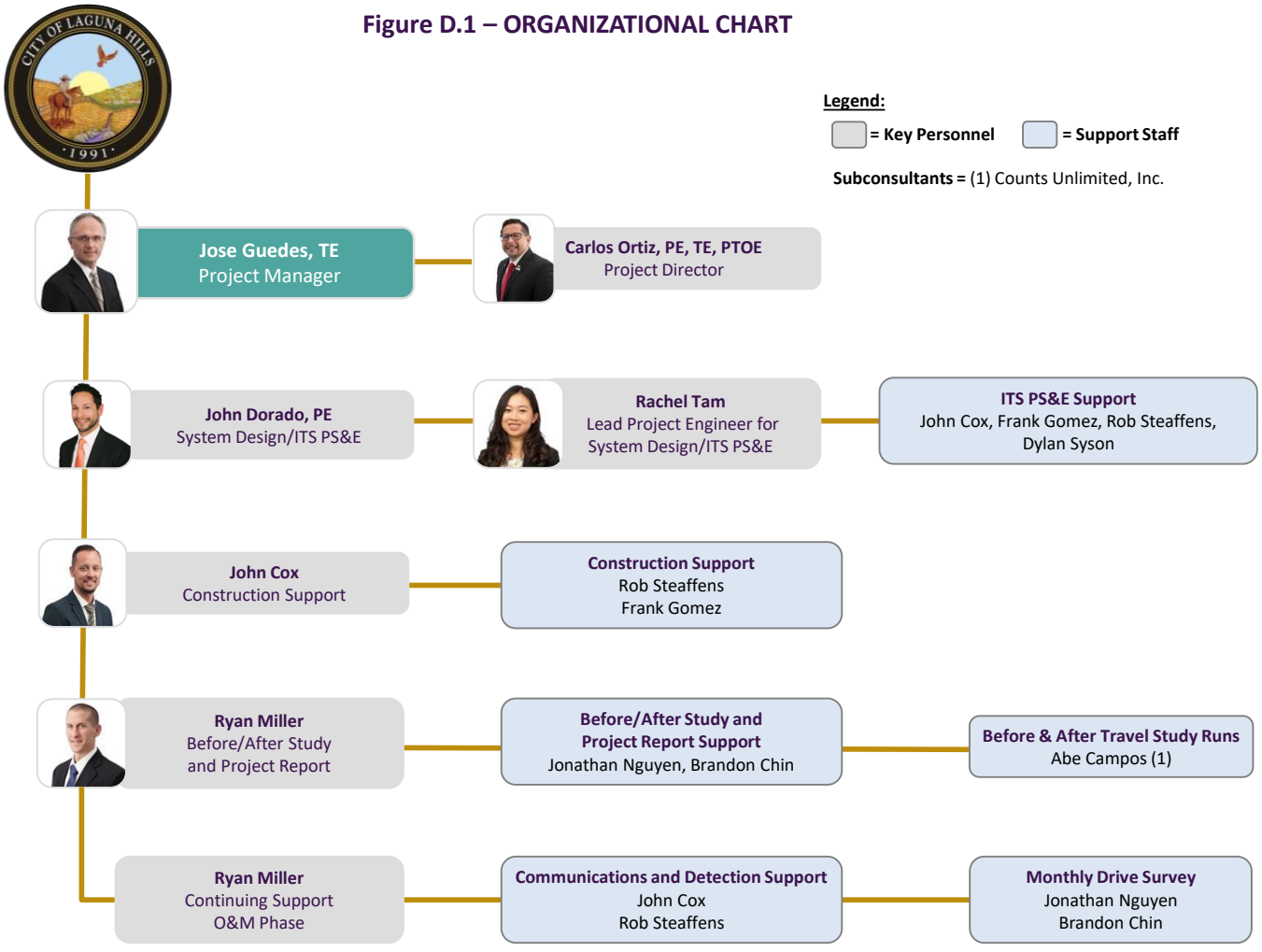
City of Industry, ITS Master Plan, CA – Associate Engineer. Ms. Tam compiled and reviewed chapters for the City of Industry's ITS Technology Assessment Report, focusing on various manufacturers and products. This report, being a part of the City's Master Plan, Ms. Tam evaluated technology assessment forms and the results for each product to ensure compatibility with the objectives of the City. This project involved recommending Intelligent Transportation Systems (ITS) technologies. Her assessments identified suitable technologies for implementation. This project facilitated informed decision-making regarding ITS technologies.

SECTION D.
ORGANIZATIONAL CHART

D. ORGANIZATIONAL CHART

Mobilizing the appropriate staff quickly is essential to the timely performance of this important project for the City of Laguna Hills. This requires a management approach that emphasizes streamlined communication and quality control. As a partner to the City, the ADVANTEC Team will commit to delivering this project on time and within budget. We recognize that City staff have high expectations for capability and performance. The ADVANTEC Team has impeccable experience in planning, designing, constructing, operating, maintaining, and managing various multi-modal ITS, signal timing, and traffic signal synchronization projects. Our team brings together all the skills and expertise required to successfully complete all elements under this contract. ADVANTEC has been committed to our clients' success for many years, and our expert team will provide the appropriate project management and technical expertise while providing responsive services to the City of Laguna Hills. Our Project Manager, Mr. Jose Guedes, TE, will be the primary contact with the city during the project period. No substitution of our Project Manager will occur without written approval from the City Project Manager. Our Project Management Structure and Organizational Chart, as shown in **Figure D.1**, illustrates the proposed organizational structure of our project team.

Figure D.1 – ORGANIZATIONAL CHART



SECTION E.
REFERENCES

E. REFERENCES

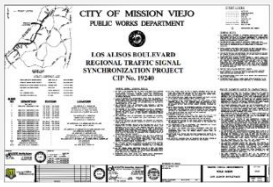
A summary of some of our representative RTSSP and ITS Projects are provided below. The project scope of work, innovative solutions, year of completion, project staff involved, and client contact information are provided.

LOS ALISOS BLVD "ROUTE" REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

Cities Of Mission Viejo, Laguna Hills, Aliso Viejo, Rancho Santa Margarita, Caltrans, and OCTA

Year completed: 2019-2023
Contract: $500,000
Project Staff: Jose Guedes, John Dorado, Ryan Miller, John Cox, Rob Steaffens, Frank Gomez

City of Mission Viejo
Mr. Mario Gutierrez
Transportation Engineer
949-470-3068
Email: mgutierrez@cityofmissionviejo.org



This project consisted of development and implementation of signal synchronization and ITS improvements at 40 traffic signals along **the Los Alisos Boulevard "Route" (Aliso Creek Road, Laguna Hills Drive, Paseo De Valencia, Los Alisos Boulevard, and Melinda Road)**. This Design-Build project included design and installation of: Fiber-Optic communications, Video and Radar vehicle detection, CCTV cameras, APS and Countdown systems, and replacement of cabinets and controllers, in the cities of Aliso Viejo, Laguna Hills, Lake Forest, Mission Viejo and Rancho Santa Margarita. ADVANTEC also served as the Systems Engineer and provided Construction Management, Inspection and oversight of our Contractor including system integration, testing and commissioning, and final approvals from the local agencies.

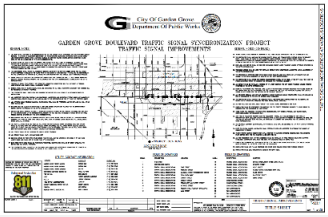
ADVANTEC developed optimized coordination plans for AM, Midday, PM and weekend peak periods. Project also included a two-year operation and monitoring phase, with monthly travel time surveys and synchronization timing monitoring.

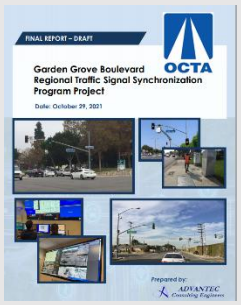
GARDEN GROVE BLVD REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROJECT

Cities Of Garden Grove, Westminster, Orange, Santa Ana, and OCTA

Year completed: 2019-2023
Contract: $650,000
Project Staff: John Dorado, Jose Guedes, Ryan Miller, John Cox, Rob Steaffens, Bryan Elenes, Frank Gomez

City of Garden Grove
Juan Navarro, P.E.
Associate Engineer
714-741-5186
Email: juann@ggcity.org





ADVANTEC served as the prime consultant for this Design-Build project, being responsible for the preparation of plans, specifications and engineer's estimates (PS&E); procurement of new ITS, traffic signal equipment, fiber optic communication and networking equipment, Traffic Management Center (TMC) upgrades; and providing signal synchronization for ***34 signalized intersections*** crossing multiple jurisdictions from Valley View Street to Bristol Street for the Cities of Garden Grove (20 signals), Westminster (4 signals), Orange (1 signal), Santa Ana (1 signal), and Caltrans (8 signals) with additional intersections within ¼ mile away. This includes providing a concept of operations, and detailed analysis using Synchro and Tru-Traffic software for determining timing and coordination plans for AM, Midday, and PM peak hours and weekend day. As part of the design-build project effort, ADVANTEC also served as the Systems Engineer and provided Construction Management, Inspection and oversight of our Contractor including system integration, testing and commissioning, and final approvals from the local agencies.

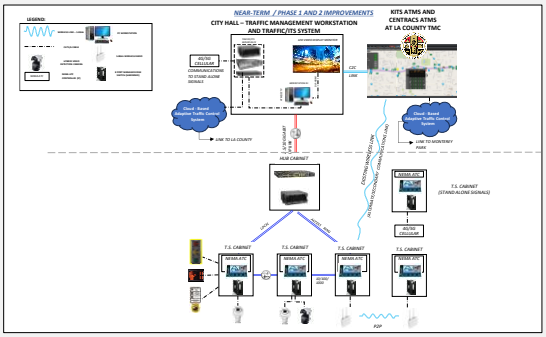
ADAPTIVE/TRAFFIC RESPONSIVE CONTROL UPGRADE PROJECT

City of Alhambra

Year completed: 2024-Present (in PS&E phase)
Contract:
Preliminary Engineering $231,000
PS&E and Implementation: $1,380,159

Project Staff: Jose Guedes, John Dorado, John Cox, Ryan Miller, Rachel Tam, Rob Steaffens, Frank Gomez

City of Alhambra
Mr. Bahman Janka, PE
Principal Traffic Engineer (Consultant -Transtech)
310-892-2520
Email: bahman.janka@transtech.org



ADVANTEC was selected by the City of Alhambra to provide professional engineering services to develop and implement corridor mobility improvement projects (MIPs) on four major arterials—Garfield Avenue, Fremont Avenue, Atlantic Boulevard, and Valley Boulevard (62 intersections)—that experience congestion because of the discontinuity of the SR-710 North Freeway. These 4 project corridors act as major thoroughfares between the I- 10 and I-210 freeways and are candidates for adaptive traffic control and/or responsive traffic control. An additional 16 signalized intersections in the City were also evaluated and updated as part of this project. These improvements are being planned and developed in conjunction with adjacent cities and Los Angeles County (LA County) to ensure that traffic operations are coordinated through major corridors within the I-710 area. The project is being conducted in two phases:

- **Phase 1** consisted of reviewing existing traffic patterns using current and historical data (Big Data), field inventory of traffic signal system infrastructure conditions, and preparing preliminary engineering documents for the implementation of recommended project improvements, including traffic responsive and adaptive operations, within the allocated funds from the LA METRO grant. ADVANTEC worked closely and cooperatively with the City of Alhambra, L.A. County Public Works, L.A. METRO, and City of Monterey Park, in developing the analysis and improvements that will make this project successful.
  ADVANTEC conducted an extensive inventory of the existing traffic signal, ITS, and communications infrastructure, traffic data collection, travel time data collection and analysis, user needs analysis, system requirements assessment, development of Concept-of-Operations (ConOps), evaluation and selection of Advanced Traffic Management System (ATMS) upgrades, evaluation of Adaptive Traffic Control System (ATCS), Traffic Responsive Systems, recommended traffic signal, ITS, and communications improvements, and connectivity to the LA County RIITS. This information was summarized in several chapters including Existing Operations Assessment, Analysis of Current Operations and Maintenance/Needs Assessment, Traffic Data Analysis, Concept of Operations, Evaluation of Adaptive and Traffic Responsive Signal Systems, Recommended Traffic Controls and Equipment, Detailed Communication Plan Document, Signal System Implementation Plan, and Traffic Signal Operations and Maintenance Plan.
- **Phase 2** will consist of preparing project plans, specifications, and estimates (PS&E), and also procuring equipment, developing environmental documentation, bid and construction support, system integration.

SECTION F.
PROJECT UNDERSTANDING, OVERVIEW AND APPROACH

F. PROJECT UNDERSTANDING, OVERVIEW AND APPROACH

F.1 OUR PROJECT UNDERSTANDING

The City of Laguna Hills was successful in obtaining funding from the Orange County Transportation Authority (OCTA) Regional Traffic Signal Synchronization Program (RTSSP) for the Avenida De La Carlota Corridor. The City of Laguna Hills will be the lead-agency for the design, construction, and implementation of traffic signal improvements. OCTA's Countywide Baseline Study will be responsible for the development and implementation of optimized traffic signal synchronization timing along the project corridor. The City's Project Management Team will manage this project.

The City desires to contract with an experienced consultant to develop traffic engineering and ITS design plans, specifications, and estimates (PS&E), provide system integration, and construction management support services, prepare a final project report, and provide operations, maintenance, and monitoring support for 2 years after implementation of the signal timing along the project corridor, while successfully delivering the project in accordance with OCTA requirements.

Figure F.1 – Project Corridor

The project corridor is approximately 2.2 miles long and consists of 8 signalized intersections, from Lake Forest Drive to Los Alisos Parkway. This project shares intersections with the Lake Forest Drive TSSP project and the Paseo De Valencia-Moulton Confluence Bypass TSSP project, as depicted in **Figure F.1**.

The project will be divided in two phases, which are expected to be completed over a 3-year period, as follows: Phase 1 - Primary Implementation (PI) 1-year duration, and Phase 2 – Operations & Maintenance (O&M) 2-year duration. During the Primary Implementation Phase the project will construct and install traffic signal improvements, and in coordination with OCTA's Countywide Baseline Study, the signal timing along the project corridor will be updated to meet current traffic demands and patterns. The goals of the project are to update signal timing and coordination, provide traffic signal ITS elements, and establish communications at the local agency Traffic Management Center (TMC).

The project will include the upgrade of existing hardware and installation of new equipment, including:

- ✓ **Fiber Optic cable and conduit**
- ✓ **Ethernet Switches**
- ✓ **Cobalt ATC controllers**
- ✓ **CCTV cameras**
- ✓ **Improvements to TMC**

Our ultimate goals in this project are to work hand-in-hand with the City of Laguna Hills to reduce the travel time and delay with **perceptible improvements**; reduce vehicle stops and vehicle emissions thereby improving the air quality along the Avenida De La Carlota corridor; and provide City staff the ability to monitor and observe traffic conditions and adjust signal timings in real-time from the city's Traffic Management Center (TMC). To accomplish these goals, ADVANTEC will work with the Countywide Baseline Study and Lake Forest Drive TSSP projects to implement and maintain traffic signal timing and coordination plans for AM, Midday, PM, and weekend peak periods, and assist the participating agencies in constructing all the necessary hardware and equipment to fully fulfill their needs. **ADVANTEC will execute and deliver this project for the City of Laguna Hills with minimal use of city resources.** ADVANTEC will be responsible for the accuracy and completeness of all work and services and **will provide the resources to accelerate project completion with promptness and efficiency.**

CORRIDOR CHARACTERISTICS

The Avenida de la Carlota Corridor is a 2.2-mile secondary arterial, with two travel lanes in each direction, dedicated left turn lanes, and a painted median. The corridor has a speed limit of 40 mph, includes 8 signalized intersections and serves a daily traffic volume of 9,000 to 14,000 vehicles. The most congested section of the corridor occur between the I-5 on/off ramps at Paseo De Valencia and El Toro Road. The corridor provides direct access to the southbound I-5 freeway, at Lake Forest Drive, at Paseo De Valencia and at El Toro intersections. The corridor parallels the I-5 freeway and connects residents to retail (Furniture Row), business parks, hotels,

residential, the old Laguna Hills Mall, and the Laguna Hills Civic Center. Avenida de la Carlota can be used as an alternative to the freeway during congested periods, connecting to key arterials, such as Lake Forest Drive, El Toro Road, and Los Alisos Boulevard. The corridor is often used as an alternate route for emergency services to reach the Saddleback Medical Center facilities.

The anticipated planned redevelopment of the Laguna Hills Mall into a mixed-use and multi-family development is expected to increase traffic volumes along Avenida de la Carlota.

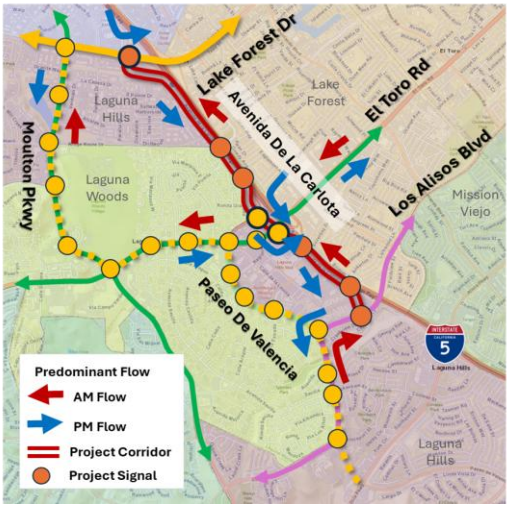
Regional Network

The Avenida De La Carlota corridor crosses many synchronized arterials such as: Lake Forest Drive, Paseo De Valencia, El Toro Road, and Los Alisos Boulevard. OCTA's Countywide Baseline Study is currently working to update most corridors, with implementation of new timing plans expected to occur sometime in 2026.

It is important to note that the traffic signal locations on El Toro Road and Paseo De Valencia play an important role as exit/access points to the I-5 freeway and are part of the El Toro Road synchronized corridor.

Because of its proximity and direct access to the I-5 freeway, the project corridor can be used as an alternate route by drivers avoiding congestion or construction on the freeway. A secondary route for southbound traffic is the use of Paseo De Valencia, from the I-5 off ramp & Avenida De La Carlota to Alicia Parkway, with an option to reach Moulton Parkway through Laguna Hills Drive. **Figure F.2** shows the predominant traffic flows along and around the project corridor.

Figure F.2 – Predominant Traffic Flow



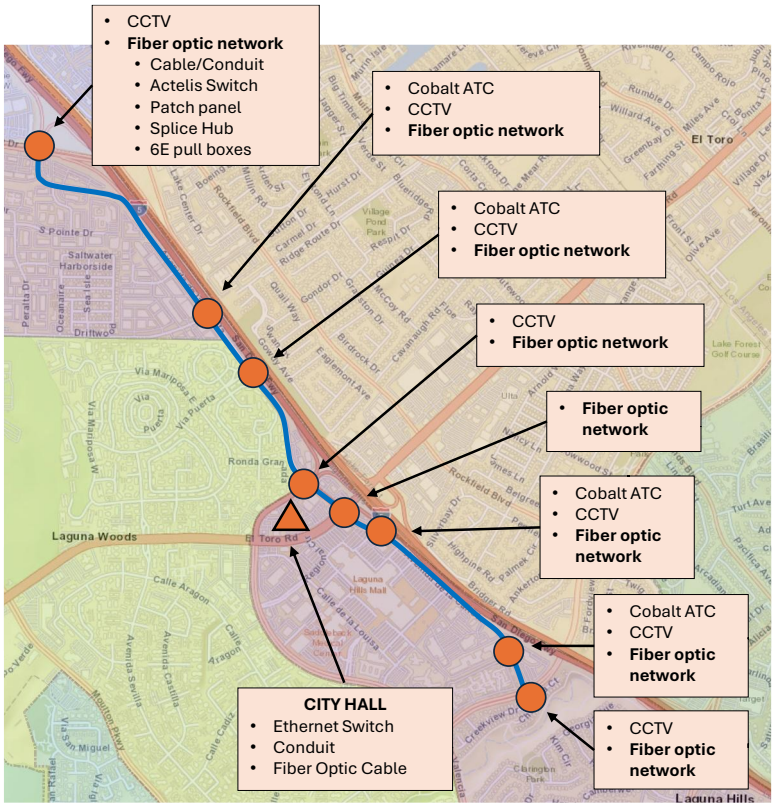
TRAFFIC SIGNAL SYSTEM

The City of Laguna Hills currently hosts at its City Hall an Econolite CENTRACS Advanced Traffic Management System (ATMS) server, which is shared with the cities of Laguna Woods and Aliso Viejo. The City of Laguna Hills uses various models of Econolite signal controllers along Avenida De La Carlota (Cobalt, ASC/3 and ASC/2), which communicate through a copper interconnect signal network.

As part of this project, the City of Laguna Hills will be expanding its fiber-optic network (72 SMFO) by installing new conduits and pull boxes, removing old copper interconnect cables, installing fiber infrastructure, and replacing Ethernet switches (Actelis). Laguna Hills will also install new Cobalt controllers, CCTV cameras, and a new conduit and fiber connection to City Hall, including a router/ethernet switch.

Figure F.3 summarizes the proposed improvements for the project.

Figure F.3 – Project Improvements



F.2 OUR PROJECT APPROACH

ADVANTEC is very familiar with all elements of the RTSSP work plan. Our project approach is based on previous success of similar projects, and on our objective to **deliver better, faster, and more cost-effective solutions.** ADVANTEC understands that each project is unique, and we will use our experience, lessons learned, and value-added services to successfully meet the needs of the City.

The Primary Implementation Phase will be conducted in two concurrent focus areas: 1) Signal Synchronization, and 2) Signal System Design (PS&E) & Construction. ADVANTEC has assigned an experienced project engineer in charge of each focus area. The Signal Synchronization work will involve coordination with the Countywide Baseline Study for development of synchronization timing, and include conducting the Before/After studies and a Field Review of signal phasing and operations, which will be conducted with the Signal System Design tasks of Data Collection (as-built signal plans and documents) and Field Review of existing signal infrastructure.

The following summarizes our approach to complete the primary project elements from the two concurrent focus areas: Signal Synchronization (i.e. traffic signal timing optimization and implementation) and Signal System Design (PS&E) & Construction.

SIGNAL SYNCHRONIZATION APPROACH

ADVANTEC will coordinate with the ***Countywide Baseline Study, the Lake Forest Drive TSSP, and the Paseo De Valencia-Moulton TSSP projects*** *to closely follow the development of new signal timing for Avenida De La Carlota. ADVANTEC will review and provide input on the* implementation *and fine-tuning of new coordination timing along the corridor.*

ADVANTEC will obtain the final Synchro files from the other concurrent projects to use during the O&M Phase.

Timing Implementation

Upon completion of signal system construction, and prior to the implementation of new signal timing by the Countywide Baseline Study, a **Before Study will be conducted, which will consist of travel runs along the project corridor**

ADVANTEC will coordinate with the ***Countywide Baseline Study, the Lake Forest Drive TSSP, and the Paseo De Valencia-Moulton TSSP project*** for the implementation *and fine-tuning of new coordination timing along the corridor.*

An After-Study will then be conducted, and a Project Report will be prepared describing the project activities and results of the Before/After comparison.

The **On-going Operations and Maintenance (O&M)** support will commence after the City's review and approval of the project report and closure by OCTA of the Primary Implementation Phase of the project. Support activities will be in place for a period of 24 months.

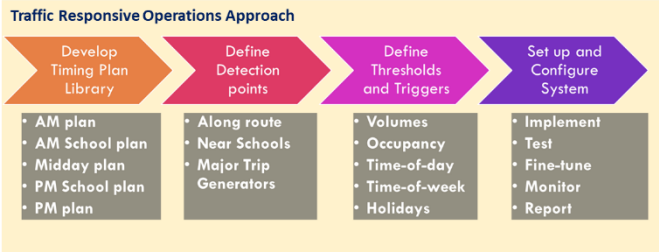
During the O&M, ADVANTEC will closely follow any changes in traffic patterns and new land use development, such as the old Laguna Hills Mall site, to determine the need to revise the signal timing plans.

Signal Coordination Considerations and the Need for Special Plans or Responsive Plans

Freeway Off-ramps at El Toro Road: The intersections of Avenida De La Carlota & I-5 SB off-ramp, Avenida De La Carlota & El Toro Road, and El Toro Road & Bridger Road/I-5 NB off-ramp are very closely spaced, with high traffic volumes entering and exiting the freeway and traveling along El Toro Road. This creates an interdependency in the operation of these signals to prevent any gridlock between intersections. **ADVANTEC will create a detailed SimTraffic simulation model of this area that will enable us to review and fine-tune signal operation plans, by selecting the best phase sequences, offsets and splits.**

Need for Special Plans: Some land uses, such as, schools, colleges, churches, and commercial centers can have their own traffic patterns, such as, off-peak traffic surges, or high peaks with short durations, which do not match the corridor commute patterns. These peaks can result in inadequate amounts of green time for side streets or minor movements during these periods and associated cycle failures. ADVANTEC has developed and successfully implemented special timing plans to accommodate traffic surges associated with school traffic. **ADVANTEC will evaluate and implement additional Time of Day plans for traffic signals adjacent to these special land uses. These extra plans will better manage peaks in traffic.**

Detours and Traffic Responsive Operations: The project corridor is likely to be used as a detour or alternate route for drivers avoiding congestion on the I-5 freeway. The segment of Avenida De La Carlota, between Lake Forest Drive and El Toro Road, is normally used for local access to residential, medical and business uses in the area, and is not set up to handle large volumes of traffic. **ADVANTEC will develop special timing plans and set up Traffic Responsive Operations along selected segments of the corridor to better accommodate sudden increases in traffic caused by traffic bypassing the freeway.**



SIGNAL SYSTEM DESIGN AND CONSTRUCTION APPROACH

ADVANTEC has a clear understanding of the key project elements and provide an innovative approach to successfully deliver this project. ADVANTEC brings key technical experts that have a thorough understanding of the of the traffic signal, communications, and ITS improvements that requires focusing on the following primary project elements.

- ✓ Cobalt Controllers
- ✓ CCTV Cameras
- ✓ Fiber Optic Ethernet Communications
- ✓ Ethernet Switches
- ✓ A New Fiber Connection, Router, and Ethernet Switch Laguna Hills City Hall
- ✓ Networking and Switching
- ✓ System Integration

Based on our understanding of the key project elements, ADVANTEC's project approach will ensure successful delivery of this project. ADVANTEC's process to successfully deliver the key project elements consists of the following:

Review of Proposed Improvements

The review of proposed improvements will occur at two stages: 1) at the beginning of project, and 2) during our preliminary engineering phase, which will occur after our site surveys, field review, and preparation of our preliminary plans.

At the onset of the project, ADVANTEC will set up our kick-off meetings with the City of Laguna Hills. The purpose of these meetings is to verify and finalize the location and type of traffic, communications, and ITS improvements at each project intersection. This also includes verifying the upgrades at City of Laguna Hills traffic management or operations center, and the new fiber optic connection and required upgrades.

After our site survey and field review, ADVANTEC will prepare preliminary plans with our recommendations. This will be reviewed with City staff for their buy-off prior to the final design and engineering phase.

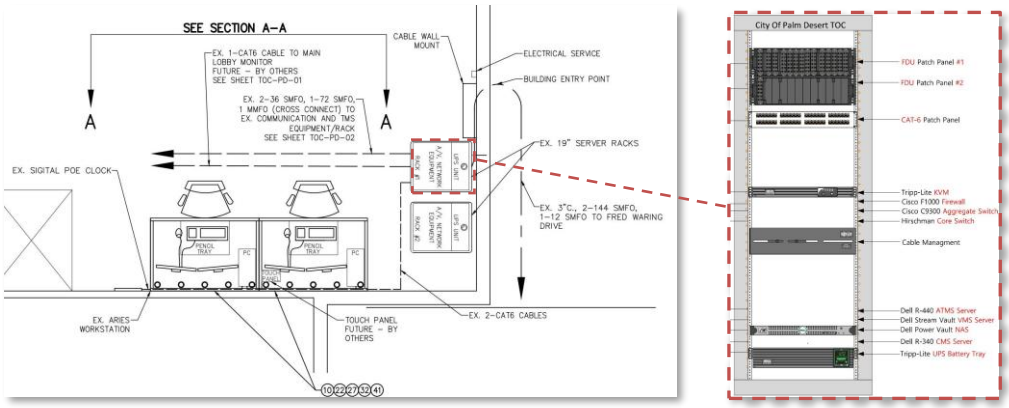
On-Site City Hall Review

The following summarizes our approach for our inventory, the new fiber optic connection at the City Hall.

ADVANTEC will inventory all communications, servers, Ethernet switch(es), and Centracs ATMS equipment, and connections from the server room to their local traffic management workstation(s) including connectivity to the signals. We will prepare plans and schematics as necessary for upgrades from the field to the central traffic management system. We will also work the City and Econolite to ensure that we have all of the proper licenses and upgrades earmarked for this project including any warranty extensions. If necessary, we can leverage the funding from this project to make sure the City's warranty is extended for the next 3 to 5 years or more.

For new fiber connection to City Hall, ADVANTEC will confirm an entry point or identify the best location to enter the building. Typically, the cable will be routed to the City's primary server room or designated room where the new traffic signal communications and network equipment will be housed. Then, we will work with the City to determine who will have access to the traffic management system and their location (office). From there, we will provide a physical communication link via CAT6 or CAT5E cable and provide a direct connection to a destinated workstation that can access and have command and control of Centracs ATMS and potential video feeds.

The image to the right is an example detail of the fiber optic cable entering the building to an equipment rack and connection to workstations. The other image shows the equipment rack layout with the fiber distribution unit (FDU) on top, the Ethernet switch, KVM, and firewall in the middle, and UPS at the bottom. We envision that we will provide a similar layout and details to ensure the proper installation and connectivity between the equipment.

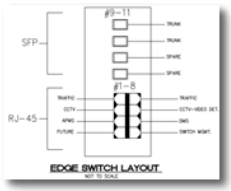


Detailed Field Review

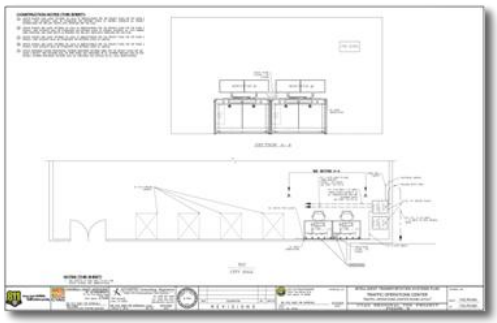
ADVANTEC's senior ITS/system engineers' experts will conduct the field reviews. ADVANTEC uses standard field review forms and worksheets to ensure consistency of field review and inventory of traffic signal equipment, ITS field elements, traffic management or traffic operations center elements, and communication system including network and topology. ADVANTEC will perform an in-depth field review of traffic signal equipment, ITS field elements, and communication system including network and topology (fiber optic, copper, wireless, etc.), and above and underground utilities and obstructions. Each item inventoried will include an identification number, description, and an assessment of the condition while in the field. ADVANTEC will use our standard field review forms in order to document this information in clear concise manner that will ensure consistency of the field review and inventory. ADVANTEC's task leaders and team members that are assigned to conduct the field review and assessment are senior traffic/ITS and system engineers. This benefits the City by providing results that are accurate and precise, which allows decision making about our next steps (e.g., recommended improvements) to be made concisely and made with confidence.

Network and Fiber Optic Communication Upgrades from the Field to City Hall Improvements

ADVANTEC provides the City with unique benefits regarding our in-house staff capabilities upgrading or expanding their communications networks. ADVANTEC brings System Engineers with Ethernet communications experience. We use best practices to expand or upgrade each City's communication system, network, and topologies. During this process, we will provide communication management solutions at the backbone and distribution levels, avoid impacts to the system, and provide solutions for integration of future transportation technologies. In addition, ADVANTEC staff will work with City staff to provide the proper state-of-the-art secured Ethernet communication network, servers, firewalls, etc. This benefits the City by using a firm that understands the hardware, software, and personnel at every level that will help coordinate this effort.

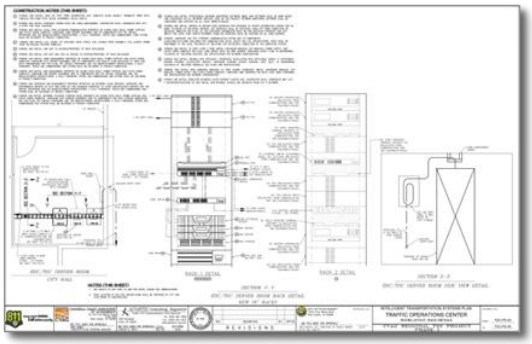


At the local intersection level, we will install new Ethernet switches and will use 'best practices' for programming each switch. This includes, but is not limited to, setting up the correct IP Addresses and virtual local area networks (VLANs). If the City has an IP Address scheme, we will review and provide recommendations as needed. **Our goal is to ensure that the system is easy to setup and expandable and scalable for the future.** We will do this by assigning ports for specific equipment, such as: Port 1 will be reserved for traffic signal controllers, Port 2 will be reserved for CCTV, etc. An example is provided to the right. This helps the Contractor program each switch with a consistent pattern, and will be useful for troubleshooting when maintaining an organized system.

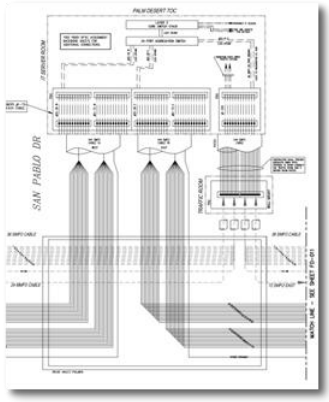


At Laguna Hills City Hall, we will work with City staff to verify all of the required traffic management system and/or network upgrades. This includes hardware and software applicable for the traffic, ITS, and communication systems. Based upon our site visit, ADVANTEC will layout the equipment and connectivity from the Centracs ATMS to the traffic management system workstation(s), and call out the necessary upgrades. A sample plan is provide to the right.

ADVANTEC will layout the communications from outside of the building and route it to the server room or designated location, and to their desired workstation(s), a sample plan is provided to the right. The server room will house the fiber distribution unit (where all fibers will be terminated), the Ethernet switch, and fire wall router.



One of the most important elements is to ensure that all fiber optic strands are terminated for current and future use. We envision that the City will have access to each traffic signal, video detection camera, and CCTV camera. With that said, we will clearly show how each strand is terminated and what it is linked to (i.e. to each corridor or traffic signal, etc.). This is very important because this is your 'assessment management' tool, which will be used to know how many fibers are being used, how many fibers are available, and know what equipment is linked to each fiber strand. ADVANTEC will provide a details for equipment rack and connectivity to the field elements. The image to the right is an example fiber assignment diagram that shows fiber from the field to the equipment rack located in City Hall.



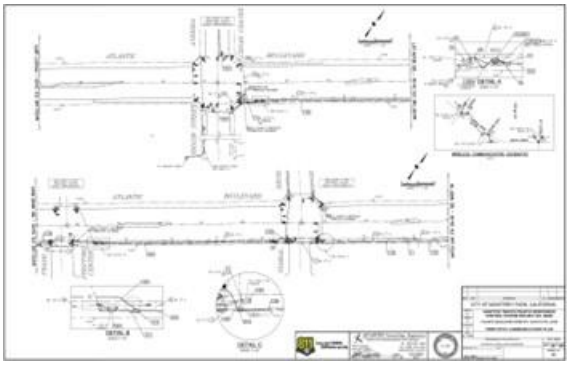
ADVANTEC will work with City staff and implement network and cybersecurity protocols. This includes infrastructure, investigating potential system vulnerabilities, and education and awareness training. Traditionally, front-end hardware security devices such as a firewall, provided security intrusion; however, network security needs to be broken down into two of the following common segments for local agencies to adhere:

- ***Physical Security*** **-** Each traffic control cabinet on the street should have an applicable locking mechanism to prevent intrusion. An unauthorized person that enters a traffic control cabinet could access the IP network and have unlimited access to the entire network – both cabinet to cabinet and cabinet to central operations.
- ***Logical Security*** **-** Wired Networks – To help restrict unwanted traffic onto the network, firewalls are the easiest first step. Additionally, port security should be enabled. Wireless Networks – With wireless connectivity it is recommended to enable encryption. Also, if it is not needed, disable the Service Set Identification (SSID) Broadcast feature.

Lack of Network Security **-** It is suggested as part of the proposed Traffic Signal and Communications Plan, we will address network security for interface to the world wide web. Network firewalls are a software appliance running on general purpose hardware or hardware-based firewall computer appliances that filter traffic (data/video) between two or more networks. Host-based firewalls provide a layer of software on one host that controls network traffic in and out of that single machine. Today's next-generation firewalls can protect a traffic (data/video) network from outside intrusion and advanced malware protection.

Preliminary/Alternative Layout Plans of the Recommended Improvements

ADVANTEC will prepare preliminary/alternative layout plans of the recommended improvements for the City's review and approval prior to final engineering. The purpose of these plans is to provide the City with a high-level design plans that shows the base mapping existing conditions and existing traffic signal, ITS equipment, and communications infrastructure, the proposed locations of the recommended improvements (***as mentioned above***), to identify any constraints and concerns, and design alternatives. These plans will be prepared on each City's title block at 1"=20' scale at selected signalized locations or at 1"=40' scale along the fiber optic communications alignment with blow-up details at 1"=10' scale. An example of a preliminary/alternative layout plan for a recent project is shown under this section.



We will also provide a preliminary cost analysis to determine if our proposed improvements are within the allocated funding. This is very helpful due to the increase in equipment costs and recent tariffs.

Final PS&E Bid Package Improvements

The initial efforts of the Final Engineering Phase will start prior to the completion of the Preliminary Engineering Phase in order to meet the proposed Project Schedule. Final plans, specifications, and construction quantity take-offs and construction cost estimates will be prepared in accordance with the City of Laguna Hills, State, and County standards.

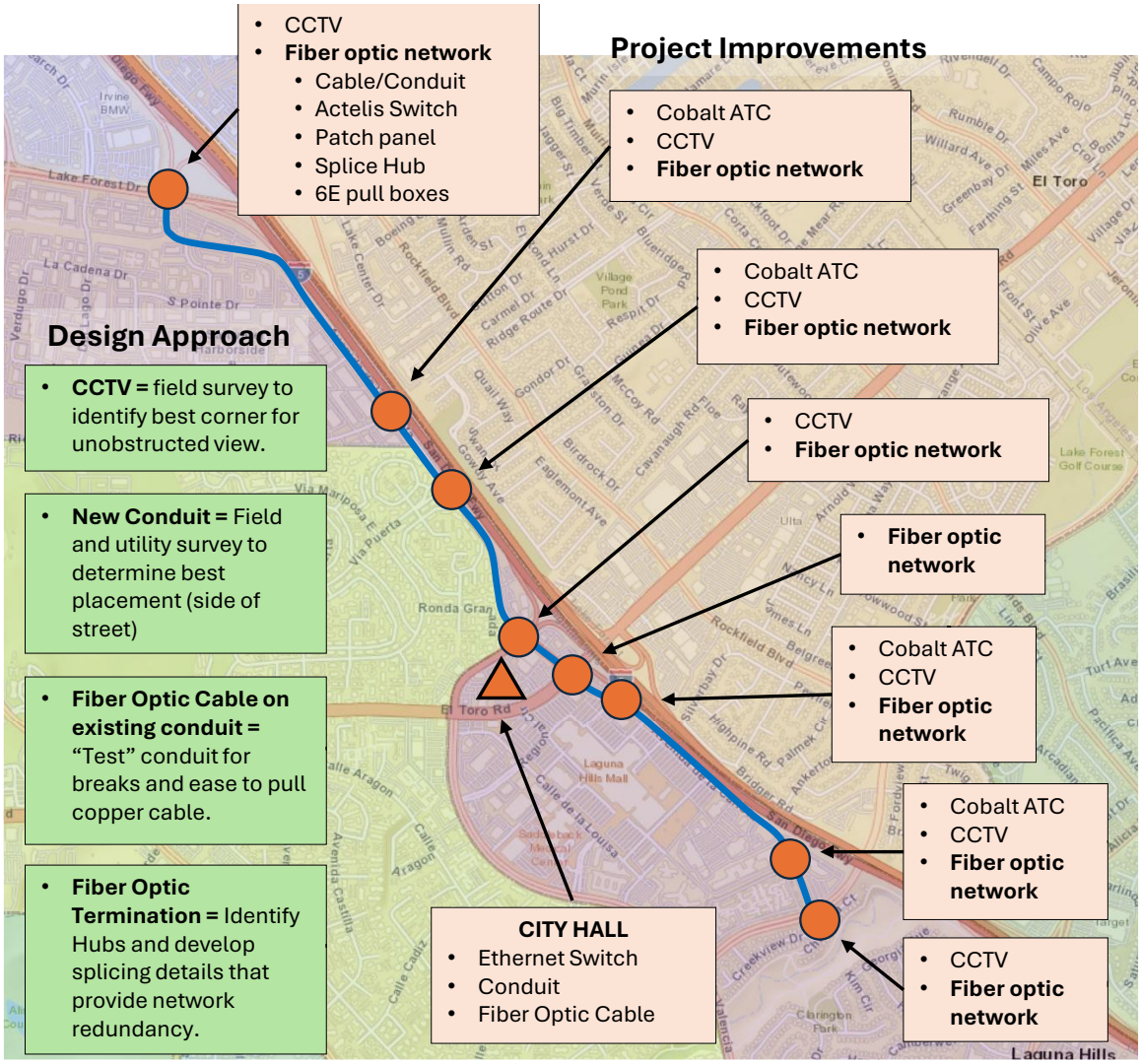
Additional work under this phase includes utility coordination, IP Addresses, VLAN segmentation, develop strategies for Network Security, and Network Topology for redundant communications.

ADVANTEC can assist the City of Laguna Hills to reduce construction costs by procuring the required equipment directly from vendors, this way avoiding "mark-ups" by the contractor. We expect between 15% and 20% savings on most equipment types.

Equipment would be purchased from the vendor and delivered to the contractor's warehouse/office.

Figure F.3 summarizes some of all design approaches to the proposed improvements for the corridor.

Figure F.3 – Design Approach to Key Project Improvements



F3. SCOPE OF SERVICES

PHASE 1 - PRIMARY IMPLEMENTATION (PI) PHASE

ADVANTEC has a clear understanding and experience implementing the traffic signal, communications, and ITS upgrades as outlined in the RFP. Our most recent experience with the City of Laguna Hills is the Los Alisos Boulevard RTSSP, which has similar project improvements. We will use this experience to expedite our planning and design process internally, and it will also help the City facilitate the review and approval process because we understand the City's expectation, requirements and preferences.

Task 1: Support to the City's Project Management Team – Primary Implementation (PI) Phase

ADVANTEC will assist the Project Management Consultant with performing day-to-day project management tasks including meetings, progress reports, tracking of schedules, tracking of cost by agency, invoicing, and overall administration of the project. ADVANTEC will keep a running record of project expenses per Agency and scope changes and/or any deviations from the final approved application.

ADVANTEC will coordinate project meetings with the City's Project Management Team to ensure that proper input is being received and included in the work effort. ADVANTEC will prepare agendas, discuss the progress and direction of the work, and prepare meeting notes. ADVANTEC will prepare a Project Management Plan with detailed budget and schedule for all tasks, providing specific project milestones for review and approval by the City. We will include expected meetings, product submittal dates, critical path items, a detailed flow chart for the project tasks, and details of the roles of key staff. ADVANTEC will submit monthly invoices, including a progress report, third-party invoices, schedule, monthly comments matrix with response to comments and other documentation as requested by the City.

ADVANTEC will assist the City's Project Management Team to coordinate and review any submittals from the Countywide Baseline Study, the Lake Forest Drive TSSP, and the Paseo De Valencia-Moulton TSSP project regarding the development and implementation of optimized signal timing along Avenida De La Carlota signals.

ADVANTEC can assist the City of Laguna Hills to reduce construction costs by procuring the required equipment directly from vendors, this way avoiding "mark-ups" by the contractor. We expect between 15% and 20% savings on most equipment types.

Deliverables - Task 1:

1. Cost tracking and record of scope changes.
2. Monthly progress meetings - prepare agendas, action items, graphics, presentation aides, and notes/minutes. Ongoing coordination with participating agencies.
3. Prepare a Project Management Plan, update schedule, prepare invoicing (including third-party invoicing), progress reports, and response to comments matrix.
4. Coordinate and review submittals from the Countywide Baseline Study, the Lake Forest Drive TSSP, and the Paseo De Valencia-Moulton TSSP project regarding the timing development and implementation of optimized signal timing along Avenida De La Carlota signals.
5. Procurement of equipment directly from vendors (if approved by City).

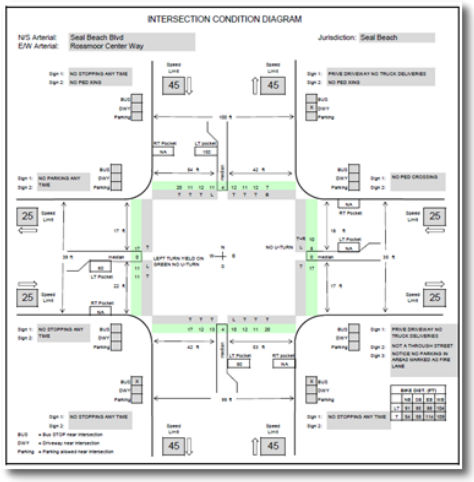
Task 2: Data Collection and Field Review

This task includes the collection of existing documents, such as traffic plans and design standards, review of field conditions, and conducting travel time studies along the project corridor to develop appropriate design construction documents and measure the effectiveness of the project. ADVANTEC will coordinate with City staff, collect and review available data for use and reference associated with the project proposed improvements such as, as-built plans (roadway, signing/striping, traffic signal, communications, etc.), traffic signal timing sheets, City Standard Plans/Drawings, specifications, aerial photos, maps, and/or requirements. In addition, ADVANTEC will coordinate with City staff and collect information for other on-going projects, planned projects or projects under construction.

Sub-Task 2.1 Field Review - ADVANTEC's Senior Traffic Engineers/Field Technicians will conduct a thorough field review at each project signalized intersection and along the project area. Our field review will consist, but not limited to collecting the following:

- ✓ All roadway features including curb lines, property lines, edges of pavement, edges of paved sidewalks, curb returns, curb ramps, driveways and bus pads
- ✓ Existing signal operation characteristics – signal phasing, cycle lengths, phase sequence alteration, protective-permissive, etc. and crossing arterial coordination operations.
- ✓ Traffic signal poles and equipment, and existing ITS equipment (CCTV cameras, emergency vehicle preemption (EVP/GPS), video detection, etc.)

- ✓ Communication type and associated equipment (e.g. Ethernet switches, fiber distribution units, splice closures, splice vaults and cabinets, fiber optic cable, twist-pair/copper cable, termination blocks, etc.)
- ✓ Communication conduit sizes, pull boxes, conduit sweeps, and cables
- ✓ Nearby underground utilities, cabinets, sub-structures, basements and vaults; and nearby aboveground structures (including bus shelters), aboveground cable and permanent street furniture
- ✓ Other field conditions that might affect a design decision
- ✓ Traffic signal control device information, such as type of device, brand and make, and condition of equipment.
- ✓ Digital photos of all existing equipment.



ADVANTEC will identify any deficiencies of the existing traffic signal control and telemetry infrastructure and geometric layout and provide recommendations towards solutions that may be implemented to correct such deficiencies.

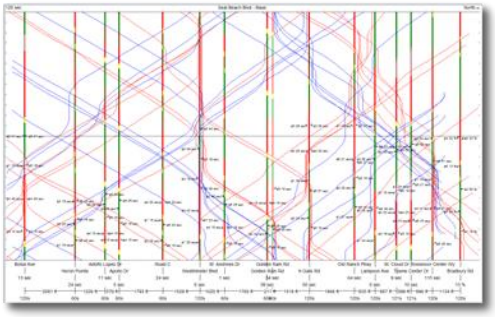
ADVANTEC will prepare a report summarizing the findings of the data collection and field review activities. This report will be incorporated into the Project Report.

Upon completion of the above items, ADVANTEC will identify potential constraints that may be encountered in relation to the proposed improvements. This information will be used to prepare base mapping and proposed improvements at the project improvements. This information will also be used as our foundation for our inventory and assessment of existing conditions, recommended improvements and preparation of the project plans.

Deliverables – Sub-Task 2.1

1. Data collection, as-built plans, planned and programmed improvements matrix
2. Field review, field review notes, and photos
3. Data Collection and Field Review Memorandum

Sub-Task 2.2 "Before" Travel Time Studies - The Before Study will consist of an Arterial Travel Time Study. ADVANTEC will conduct Travel time studies to measure the effectiveness of the project improvements and timing plans. We will conduct a set of travel time studies to measure the traffic conditions prior to the development and implementation of new timing plans.



Travel-time data and video will be collected using the floating car method, and a mobile device with GPS receiver and Tru-Traffic software. ADVANTEC will conduct five (5) runs in each direction for each of the weekday timing plan (AM, midday, and PM) and a Saturday midday plan, representative of the times and days for which synchronization plans will be developed. Measures of Effectiveness (MOE) will include, travel time, average speed, number of stops per mile, number of intersections traversed on green vs. stopped by red (Greens per Red) per OCTA's MOE Corridor Synchronization Performance Index (CSPI), fuel consumption reduction, pollution reduction, and other pertinent items.

ADVANTEC will conduct a 'Before' travel time study representative of 'initial traffic conditions'. Before Study will be conducted just prior to implementation of new optimized synchronization plans by OCTA's Countywide Baseline Study. With this approach, traffic patterns and volumes will be less likely to change between the before and after travel time analyses and MOEs.

BEFORE/AFTER SYNCHRONIZED VIDEO - ADVANTEC will record videos of each Before travel time run for all four time periods.

ADVANTEC will prepare a memorandum presenting the findings of the "Before" study.

Deliverables – Sub-Task 2.2

1. Before Study directional data and results in Microsoft Excel format
2. Tru-Traffic Version 10 Before Study files with trip logs.
3. Draft and Final Before Study Technical Memorandum
4. Electronic versions of all data and video files.

Sub-Task 2.3: "After Study" Travel Time Studies - Upon completion of the implementation and fine-tuning tasks by OCTA's Countywide Baseline Study, an After Study will be prepared and submitted. The After Study will consist of an Arterial Travel Time Study which will

follow the same procedures and requirements of the Before Study. An After Study will be submitted for each of the four (4) time periods: AM, Midday, PM, and Saturday Midday .

ADVANTEC will prepare the After Study Technical Memorandum comparing the results of the After Study in relation to the Before Study baseline. This comparison will be utilized to determine the effectiveness of the final implemented timing plan. ADVANTEC will provide directional data and results from Microsoft Excel format, in both electronic and hard copy format.

BEFORE/AFTER SYNCHRONIZED VIDEO

ADVANTEC will record videos of each "After" travel time run for all four time periods and made available to the cities. We will prepare synchronized videos of "Before" and "After" runs for AM peak and PM peak using representative runs (average results). **The videos will be synchronized and show side by side the "Before" and "After" runs and will include a diagram/map showing the location of the study vehicle also synchronized with the videos (an example is shown on the right).**

Deliverables – Sub-Task 2.3

1. After Study directional data and results in Microsoft Excel format
2. Tru-Traffic Version 10 After Study files with trip logs.
3. Draft and Final After Study Technical Memorandum
4. Synchronized videos showing Before/After runs for AM, Midday, PM and Saturday.
5. Electronic versions of all data and video files.

Task 3: System Design and Construction Support

Sub-Task 3.1 Plans, Specifications and Estimates (PS&E) - ADVANTEC will provide preliminary and final design engineering services for the preparation of PS&E of various traffic signal equipment, intelligent transportation systems (ITS), communications upgrades, and central system integration/upgrades at each city's Traffic Management Center (TMC) or Traffic Operations Center (TOC) as indicated in the RFP. ADVANTEC will work directly with the City and Partner Agencies, and Caltrans at the outset of conceptual design to identify the most cost effective and efficient approach to design plans. We will coordinate with the City and participating agencies to assess the special construction requirements necessary to complete the project. The following summarizes our scope of work under this task to complete bid ready documentation (PS&E) to be advertised for award and construction.

UTILITY NOTIFICATION AND COORDINATION - Under the task, ADVANTEC will provide utility notification and coordination will be required to ensure quality design and help eliminate utility conflicts during construction. Utility notifications will be provided to the various utility owners within the sphere of the project; the notifications will be prepared using the City's letterhead. The utility information provided by the agencies will be delineated on the plans based on their record drawings and our field review. ADVANTEC will conduct utility coordination throughout the preliminary and final design phases of the project.

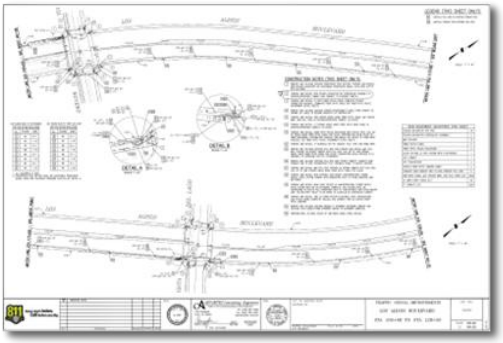
FINAL ENGINEERING – PS&E (60%, 90% AND FINAL SUBMITTALS) - ADVANTEC will advance the design to the preliminary and final PS&E stages (60%, 90% and Final Submittals). The fiber optic communication plans will conform to the City's requirements and will be prepared in AutoCAD at 1"= 40' or 1"=20' scale on 24"x36" City of Laguna Hills title block. The PS&E will also be in conformance with the corresponding latest editions of Standard Specifications for Public Works Construction (Greenbook); American Public Works Association (APWA) Standard Plans for Public Works Construction; and Caltrans Standard Specifications and Standard Plans; California Manual on Uniform Traffic Control Devices (CAMUTCD) and applicable design standards. All plans will be prepared by a registered Civil Engineer in the State of California. Based on our assessment of the proposed improvements and associated details, we believe a total of **17 sheets** will be necessary. The following table provides a breakdown of the number of sheets, plan types, and details sheets.

Agency (Ints)	Description	Scale	No. Sheets
Laguna Hills (8 int.)	Titlesheet	No scale	1
	Fiber Optic Communication Plans	1:40	8
	Project Improvements/Communications Schematic Plan	No scale	1
	Detail Sheet: Fiber assignment details (8 Locations)	No scale	3

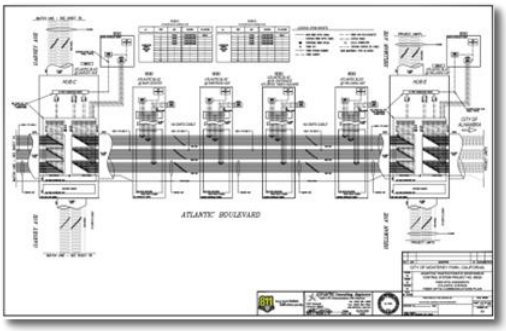
Agency (Ints)	Description	Scale	No. Sheets
	Detail Sheets: Trenching, pull box placement, conduit sweeps, CCTV, controller cabinet layout and TMC Improvements	No scale	4
		Total Sheets	**17**

The following summarizes the layout for each plan type and the details associated with each sheet. **We prepared similar plans for the Los Alisos Blvd RTSSP for the City of Laguna Hills. This benefits the City because we understand the City's plan preparation, layout requirements and preferences, and it will make it easier for the City's review and approval process.**

Title Sheet - ADVANTEC will prepare a project title sheet. The project Title Sheet will include project title, vicinity map, general notes, benchmark with basis of coordinates, dig alert information, list of utility companies with contact name and telephone number, sheet index, and legend of symbols.

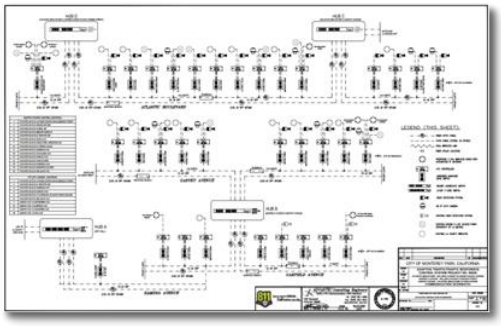


Fiber Optic Communication Plans - ADVANTEC will prepare the fiber optic communication plans. The communications plans will include all base mapping from our field review, as-built information, and utilities including the specified border, title block, signature block, and construction notes, and any construction details necessary to facitilate the installation of the project improvements. The communication system plans will be prepared in AutoCAD at 1" =40' scale with blow-ups at 1" =20' scale and in accordance with standards set forth by each City. All plans will be prepared by a registered Civil Engineer in the State of California.



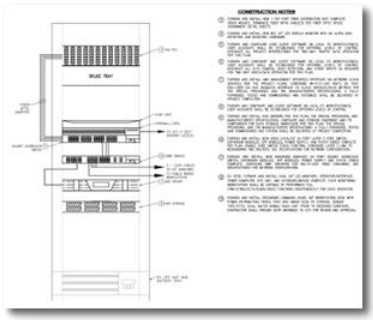
Detail Sheet: Fiber Optic Assignment Plans - ADVANTEC will prepare detail sheets for fiber optic cable assignment details. This will show how each strand is spliced and linked to each traffic signal and communication hub. This will be provided for each City per the project improvements. It will show the fiber strands that are not used and can be reserved for future connections. This is a key project component because it allows the City to know how many fiber strands are being used and its connection to each field element. This information is critical to trouble shooting, modifying and expanding the system.

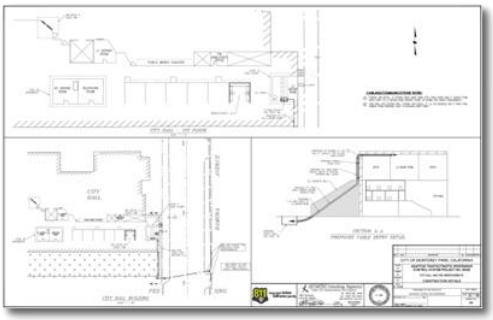
Project Improvements, Communication, and ITS Schematic Plan - ADVANTEC will prepare a detail sheet that shows high-level detail/schematic for traffic signal, communications, ITS, and other project improvements per intersection along the project corridor. This is important because it gives the City and the Contractor an "at a glance" view of the primary project improvements per intersection identified in the RFP. This is also helpful to use during the plan review and approval process.



Other Detail Sheets – ADVANTEC will prepare the following details sheets for the work related to the traffic signal improvements, CCTV camera installation and ITS elements:

- Detail Sheet: Traffic Management Center (TMC) Improvements
- Detail Sheet: Traffic signal controller cabinet layout and equipment schematic; Ethernet Switch and Communications Schematic
- Detail Sheet: CCTV Camera Installation, see example above
- Detail Sheet: Trenching, Pull Box, Splice Vaults, and Conduit Sweeps





TECHNICAL SPECIFICATIONS - ADVANTEC will prepare the project Technical Specifications and Bid Documents for the proposed project and the associated improvements based on the City's requirements and the latest Caltrans

Standard Plans and Specifications; California Manual on Uniform Traffic Control Devices (CAMUTCD), and the GREENBOOK. The technical specifications will include a project description, preparation of bid schedules, bid item descriptions, payment methods, special provisions, technical specifications, and any specification detail sheets or standard plans. ADVANTEC will also include specification requirements, defining the contractor testing and acceptance plan for the Ethernet communications network, and establishing performance metrics using industry-standard testing procedures. Tests will typically be required to quantify bandwidth availability and line losses. ADVANTEC will also include functional specifications for each City's selected systems including requirements for the proposed hardware and software to be fully installed, configured, integrated, tested, and commissioned to the manufacturer's specifications, and the project plans.

CONSTRUCTION QUANTITY TAKE-OFFS AND CONSTRUCTION COST ENGINEER'S ESTIMATES - ADVANTEC will prepare construction quantity take-offs and construction cost engineer's estimates for the proposed improvements. The unit costs will be based on current cost data and historical cost data associated with the identified bid items. Preliminary and final quantities and construction cost estimates will be provided.

ADVANTEC can assist the City of Laguna Hills to reduce construction costs by procuring the required equipment directly from vendors, this way avoiding "mark-ups" by the contractor. We expect between 15% and 20% savings on most equipment types.

Equipment would be purchased from the vendor and delivered to the contractor's warehouse/office.

Sub-Task 3.2 Construction Bidding Support - ADVANTEC will provide bidding support for the construction plans, specification interpretation and consultation during the bidding phase of the project including, but not limited to:

- ✓ Pre-bid meeting (if needed)
- ✓ Review and respond to bidders' inquiries and Request for Clarifications (RFCs)
- ✓ Project addenda and bid analyses

Sub-Task 3.3: Construction Support and As-Built Plans - ADVANTEC will provide construction support services for the construction plans and specification interpretation and consultation during construction phases of the project including but not limited to the following:

- ✓ Review and evaluate bid and attend pre-construction meeting
- ✓ Review and respond to Contractor inquiries and Request for Information (RFI)
- ✓ Assist with Change Order (CO) work requests from the City or Contractor
- ✓ Review and respond to shop drawing submittal for conformity with the plans and specifications.
- ✓ As-built drawings will be prepared based upon completion of the project and the Contractors redlined plans. Final submittals include AutoCAD files, PDF files, and final Mylar printed record drawings
- ✓ In addition, ADVANTEC has our in-house Systems Engineer (John Cox), that can provide Contractor oversight when integrating the new traffic signals controllers, communications, and ITS elements from the field back to City Hall

ADVANTEC will provide on-site construction support for Contractor oversight during the installation of traffic signal, communications, and ITS equipment. This includes the installation of conduits, pull boxes, fiber patch panels, splice enclosures, Ethernet switches, advanced traffic controllers (ATC), and CCTV cameras. ADVANTEC will coordinate with the Contractor and vendors to determine the installation schedule. As part of our on-site service, we will confirm installations are completed per plans, specifications, and manufacturer requirements including set up per City requirements.

Deliverables – Task 3

1. Utility Coordination – letter requests, responses, as-builts, and utility response log.
2. Permits – Partner Agency Encroachment Permits
3. Plans (17 sheets), Specifications, and Estimates (PS&E) at 60%, 90%, 100% Submittals. Electronic files (PDF) and full-size bond copies (up to 4 copies) will be provided for each submittal
4. Final Mylar (17 sheets) and full-size bond copies (2 copies) will be provided for the final submittal including a PDF of the plan set and MicroStation/AutoCAD files
5. Construction bidding support services, pre-bid meeting, RFC's and project addenda
6. Construction support services, pre-construction meeting, RFI's, CO's requests, shop drawing reviews
7. On-site Construction Support (During Equipment Installation).
8. As-Built Drawings

Task 4: Final Primary Implementation (PI) Report - ADVANTEC will prepare a Primary Implementation Report with an executive summary at the completion of the implementation phase. **ADVANTEC will coordinate with OCTA's Countywide Baseline Study, Lake Forest Drive Corridor TSSP, and the Paseo De Valencia-Moulton TSSP projects to gather all data and information relative to the development and implementation of signal coordination timing.** The report will provide complete documentation of the project, including: project objectives, locations, scope, findings, recommendations, implementation schedule, improvements accomplished, procedures for continuing maintenance, surveillance, and evaluation of the coordinated signal system, work performed, data collected including before and after studies, project benefits achieved in terms of fuel savings, travel time and other measure parameters. For each intersection, the project report will include lane configurations, signal phasing, turning movement data, and cycle lengths for existing and proposed timings for all peak periods. The report will document all planned and programmed improvements on the study corridor as well as recommendations for further infrastructure improvements that would likely improve the corridor signal coordination project results. The report will be completed in accordance with the current OCTA CTFP Guidelines. The project report will also include recommendations with cost and benefit estimates for future improvements to the traffic signal infrastructure and intersection capacity. ADVANTEC will prepare a Project Summary Sheet, one sheet front and back, that describes the project and the improvements gained. This sheet will be used by OCTA and Participating Agencies to present to the Board and elected officials. ADVANTEC will submit one electronic copy and one hard copy to each Participating Agency.

Deliverables – Task 4:

1. Draft and Final Project Report and Project Summary Sheet (one electronic master, two hard copies)

Phase II - ON-GOING OPERATIONS AND MAINTENANCE (O&M) PHASE

Task 5: Support to City's Project Management Team – O&M Phase - ADVANTEC will provide support to the Project Management Team with the City's day-to-day project management for the duration of the Operation and Maintenance Phase, including meetings, progress reports, tracking schedules, invoicing, coordination with City, and overall administration of the project. ADVANTEC will include a filled out form of work performed based on the template provided by the City with each monthly invoice.

Deliverables - Task 5:

1. Day-to-day project management during O&M. Attend monthly progress meetings and prepare meeting materials, including agenda, action items, graphics, presentation aides, and notes/minutes.
2. Retain and provide electronic versions of all data files.
3. Monthly invoicing including filling our Report Template of work performed.

Task 6: Continuing Support - ADVANTEC will provide signal timing support services for a period of 24 months following the submittal of the Final Project Report and Notice to Proceed from the City to address any future adjustments that may be needed during this period. **ADVANTEC will coordinate any needed timing adjustments with OCTA's Countywide Baseline Study, Lake Forest Drive Corridor TSSP, and the Paseo De Valencia-Moulton TSSP projects**.

Services under this task will also include monitoring of detection and communications implemented as part of the project. ADVANTEC's staff will drive the entire length of the corridor during the designated corridor synchronization timing planned hours of operation monthly to verify that the synchronization is working as designed and complete any necessary adjustments. ADVANTEC will notify the City at least twenty-four (24) hours prior to the commencement of driving periods. ADVANTEC will document in a monthly memorandum all recommendations and agency actions, as well as trends based on the runs conducted. Measures of effectiveness (MOE) in Microsoft Excel format will be submitted along with Tru-Traffic trip log files to the participating agencies once per month. Performance metrics comparisons from ATSPM, if available, will also be included in the memorandum.

VALUE-ADDED TASK: During the O&M phase, if a significant change in traffic volumes or patterns occurs along the Avenida De La Carlota corridor, ADVANTEC will assist the City of Laguna Hills to develop special event plans and/or traffic responsive plans as needed to accommodate the new conditions.

Deliverables - Task 6:

1. 24 months of on-call support and revised signal timing plans and memorandum.
2. Monthly memorandum with comparisons from field and ATSPM and electronic files.

Task 7: Final O&M Report - ADVANTEC will prepare a Final Report documenting the Ongoing O&M efforts and procedures for continuing maintenance. The memorandum will document all travel run information such as when the travel runs where conducted and solutions for any issues encountered during the O&M phase. The memorandum will also include all planned and programmed

improvements on the study corridor as well as recommendations for further infrastructure improvements that would likely improve the corridor signal coordination project results. **The report will also show the results of the "Before" Study, "After Study," and the average results for 1st year and 2nd year of O&M.**

The memorandum will be prepared in accordance with the current CTFP Guidelines. ADVANTEC will provide the City will any information for the OCTA Final Report.

Deliverables – Task 8:

1. Draft and Final O&M Report/Technical Memorandum
2. Information required for OCTA Final Report and project closure

F.4 PROJECT MANAGEMENT

ADVANTEC will conduct bi-weekly coordination meetings with the City's Project Management Consultant, the Project Development Team, and stakeholders to track progress and address challenges proactively. This approach will ensure that we are coordinated regarding the construction progress, any outstanding issues or concerns, and look ahead items.

Los Alisos Boulevard Route
Regional Traffic Signal Synchronization Project

Project Management Plan

OCTA
Orange County Transportation Authority

ADVANTEC
Consulting Engineers

ADVANTEC's proposed project team is committed to providing responsive service to the City of Laguna Hills. ADVANTEC promotes open communications and coordination with our clients and stakeholders throughout the entire contract. Our management approach allows ADVANTEC to adapt to any project condition, including the need to accelerate project schedules, as may be required.

F.5 REQUIRED RESOURCES FROM CITY

ADVANTEC understands that local government has limited resources, and our team pledges our total commitment to support the City and act as extension of City staff. We will request the participating agencies to provide documents and policies required for conducting the project, such as standard plans, CAD requirements, as-built plans, traffic signal timing charts, etc. We will also request access to city facilities, such as Traffic Management Center and server room.

LIST OF ALL REQUIRED PERMITS AND/OR REGULATORY APPROVALS

The following summarizes our anticipated permits and/or regulatory approvals:

- ✓ Encroachment permits (per partner City)
- ✓ Caltrans Coordination Agreement for Caltrans Staff Participation
- ✓ Caltrans Encroachment Permit: For installing fiber in existing conduit

ADVANTEC will determine if any other permits are required during our preliminary engineering phase. Any required permits and/or regulatory approvals will be placed on our critical path schedule so that these administrative items will not delay our overall project schedule.

F.6 ADDITIONAL SERVICES

ADVANTEC has developed a detailed traffic operation analysis and timing optimization approach that will incorporate tasks/services not specifically listed in the RFP.:

- Develop special timing plans and set up Traffic Responsive Operations along selected segments of the corridor to better accommodate sudden increases in traffic caused by traffic bypassing the freeway.

F.7 PROJECT CONTROLS

ADVANTEC'S METHODS AND CONTROLS FOR MANAGING PROJECTS

PROGRESS REPORTS AND INVOICING- Our Project Manager will provide monthly progress reports for the duration of the project. The monthly progress report will be submitted with an invoice that itemizes deliverables completed in the previous period, total payment, and cumulative deliverables completed to date. We will also include any of the required forms, project tracking documentation, etc. that follows all Comprehensive Transportation Funding Programs (CTFP) guidelines by OCTA, from the planning, design, construction, implementation, and close-out of the project.

SCOPE CONTROL - Scope management for the project will be maintained by our Project Manager. The scope for this project is defined under **Section F.3: Scope of Services**. Our Project Manager, City, OCTA, and Stakeholders will establish and approve changes in the scope of the project. Proposed scope changes may be initiated by the Project Manager, the City, Stakeholders or any member of the project team. All change requests will be submitted to the Project Manager who will then evaluate the requested scope change. Upon acceptance of the scope change request the Project Manager will submit the scope change request to City and OCTA for acceptance. Upon approval of scope changes by the City and OCTA, the Project Manager will update all project documents and communicate the scope change to all stakeholders. The City is responsible for formally accepting the project's final deliverables. This acceptance will be based on a review of all project documentation, results, and completion of all tasks.

SCHEDULE CONTROL - We understand the importance of a project schedule as a critical tool in the management of a project. There are several key elements that maximize the effectiveness of our project schedule including:

- Information should be easily communicated and understood;
- Commitment is obtained from each functional leader and the project team;
- Inter-relationship of tasks is shown, including internal QC/QA and agency review periods;
- Easy and flexible to update; and
- Office wide correlations of staffing and project commitments are considered.

Specific **critical path items** or key critical decisions that affect project deliverables will be identified on a continual basis to ensure the project schedule is met. We will promptly notify the City of any changes in anticipated project progress. This approach also allows the City to schedule staffing for their reviews in advance and avoid any rescheduling that would delay other projects.

BUDGET CONTROL - The project scope of work will serve as the basis for the development of work breakdown structure (WBS) and the project schedule. A budget expressed in hours and dollars will be established for each task and subtask in our project cost accounting system (AJERA). **Our Project Manager and ADVANTEC's Task Leaders** have real-time access to this cost data from his desktop computer enabling continuous monitoring of project costs. The WBS budget and schedule will be combined into a time phased budget to allow for measuring progress and comparing planned versus actual expenditures. Earned values will be computed for all activities and assessment of budgeted cost of work scheduled, budgeted cost of work performed, actual cost of work performed and estimates to complete will be developed. This data will be reviewed with our key task leaders to allow for continuous monitoring, identify early warnings of budget or schedule issues and develop required corrective actions to mitigate any potential schedule delays. A complete Monthly Progress Report will be prepared aligned with each task order and will describe work completed that period, work to be completed in the subsequent period and identification of significant schedule or cost matters that are of critical nature.

DOCUMENT CONTROL- ADVANTEC will maintain electronic copies of all project files and deliverables on a sharefile, preferably **Microsoft Teams** and on our network server at the Irvine office. We used Teams for recent TSSP's and it was great tool for the City and all stakeholders to access at any given time. It will also include our budget and project deliverable tracking, so that all records are transparent, and it will include all required **Project P** documentation. **ADVANTEC will be responsible to collect and submit all required Project P documentation on behalf of the City.**

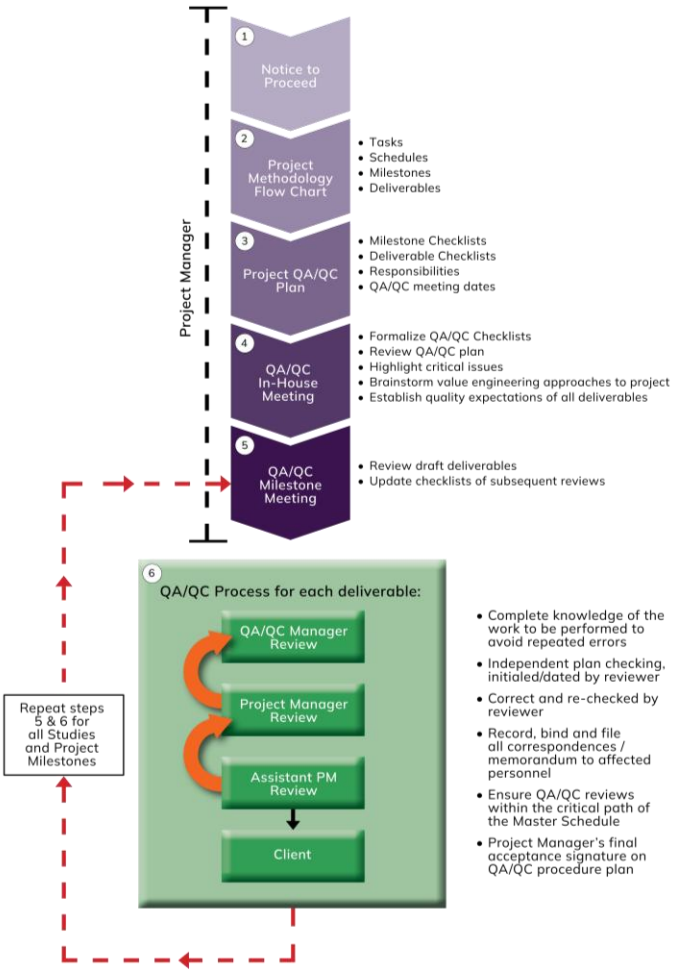
F.8 QUALITY CONTROL/QUALITY ASSURANCE

ADVANTEC has a strict Quality Assurance (QA)/Quality Control (QC) Program that we promote and implement on every project and at all levels of each contract and task. The ADVANTEC Team's QA/QC Program is a continuous process used not just at project milestones, but also on a daily basis as work-flows from desk to desk, discipline to discipline and consultant to client. Our manager and task leaders will oversee their staff on a daily basis. We will identify key contacts for ease of inquiries regarding project status. ***Mr. Jose Guedes will work with Mr. Carlos Ortiz, our Task Leaders, and Design Team for the management and implementation of our QA/QC plan***. We have the ability to provide quality control of all deliverables and be responsive to any project-related issues. A sampling of these policies and procedures is identified below.

Policy	Approach
Defined roles and responsibilities of key staff	▸ Specify individual responsibilities for each of the positions in the QA/QC organization structure; QA/QC training for all project staff hold overall team QA/QC kick off meeting to review QA/QC plan and expectations.
Dissemination and retention of pertinent reference information	▸ Establish process for flow of project documentation to key staff and document control procedures (e.g., scope of work, invoice/progress reporting, meeting minutes/action items, deliverables, etc.)

Policy	Approach
Expectations of internal/external Project Team and design interface meetings	▸ Develop consistent meeting minutes, action item tracking, and issue resolution log format.
Expectations for regular "over the shoulder" reviews by Discipline/Task Manager	▸ Define protocols for continuous review process during plan/document preparation to ensure multiple discipline involvement.
Inter-disciplinary coordination and shared work elements	▸ Establish weekly or biweekly design meetings (e.g., survey, roadway, stage construction). Inter-disciplinary exchange of plans prior to milestone submittals for joint review ensuring plan and work consistency
Milestone checking of calculations, reports and plans	▸ Assign qualified, experienced independent review staff. ▸ Perform checking, revisions and back checking in a coordinated manner considering standards, project scope, technical accuracy, format, presentation and previous review comments
Constructability and biddability review	▸ Perform overall constructability review with experienced construction management personnel considering biddability and buildability. ▸ Cross check utility systems against underground features (e.g., storm drain, footings, etc.) ▸ Cross check all pay items with plans, specifications and quantity estimates.
Quality Control Review Checklists	▸ Require all design disciplines to implement pertinent checklists in the preparation of project PS&E

ADVANTEC takes Quality Assurance/Quality Control (QA/QC) very seriously. Before any project deliverable is provided for review to a client, it must initially pass our internal quality review process as shown in the flow chart to the right. Our internal review process consists of a series of separate reviews that ensure a product is technically correct and free of mistakes before being submitted to the Client. Following review by the City, the comments are addressed, and the process is repeated until the deliverable desired by the City is achieved.



F.9 PROJECT SCHEDULE

Effective scheduling and cost control are critical activities throughout this Project. ADVANTEC has developed an innovative approach to accomplish the objectives of completing project as early as possible which will result in time and project cost savings. The ADVANTEC Team has the resources available to meet or accelerate the project deadline. The ADVANTEC Team is well versed in responding to projects that have important deadlines relative to funding constraints or public delivery commitment. .

ADVANTEC'S proposed Project Scheduled is presented on the next page. Our schedule assumes a project kick-off date in January 2026, and a construction duration between 4 and 6 months long, contingent on lead times for some equipment. We also assumed a two month period for bidding and contractor selection.

ADVANTEC Consulting Engineers

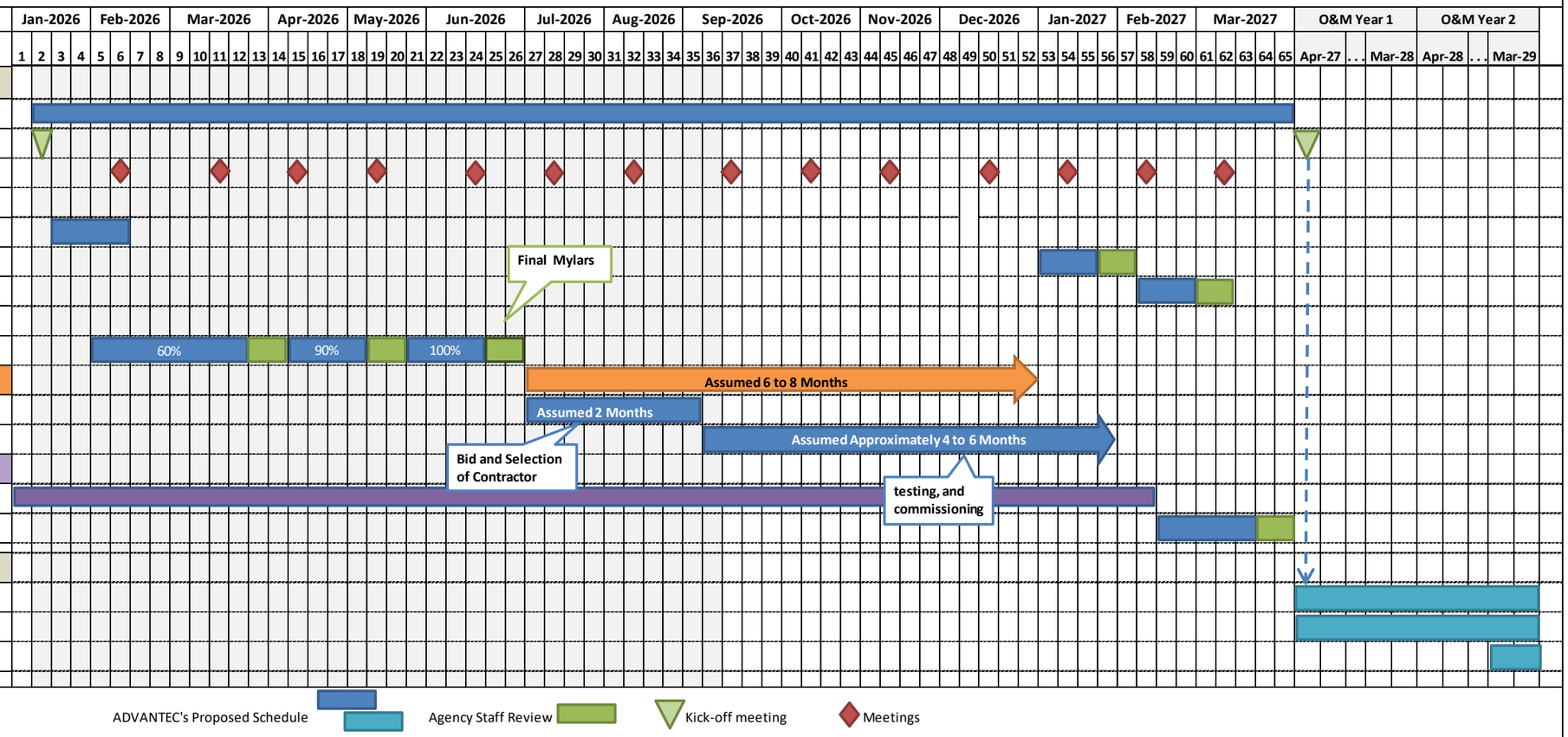
Date: 10/30/2025

PROPOSED PROJECT SCHEDULE

RTSSP for Avenida De La Carlota

City of Laguna Hills

TASK NO.	DESCRIPTION
I	**PRIMARY IMPLEMENTATION (PI) PHASE**
1	**Support to the City's Project Management Team - PI Phase**
	Project Kick-off meeting
	Monthly Meetings with Project Team Members
2	**Data Collection and Field Review**
2.1	*Field Review*
2.2	*"Before" Travel Time Studies*
2.3	*"After" Travel Time Studies*
3	**System Design and Construction Support**
3.1	*Design Plans and Standards – PS&E (60%, 90% and 100% Submittals)*
	Bid & Construction
3.2	*Construction Bidding Support*
3.3	*Construction Support and As-Built*
	Signal Timing Optimization and Implementation
	Coordination with OCTA's Countywide Baseline Study
4	**Final PI Report**
II	**ON-GOING OPERATIONS AND MAINTENANCE (O&M) PHASE**
5	**Support to the City's Project Management Team - O&M Phase**
6	**Continuing Support**
7	**Final O&M Report**



SECTION G.
COMMUNICATION PLAN

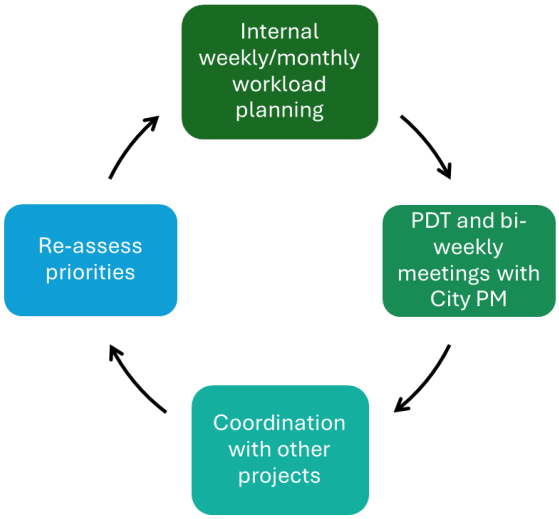
G. COMMUNICATION PLAN

ADVANTEC understands that effective and ongoing communication with clients and key stakeholders is essential for the successful delivery of any project. Our team will schedule a kick-off meeting with the city's project manager to confirm the project's scope and schedule, identify critical path activities, affirm the plan for involving key stakeholders, and outline a strategy for regular meetings with the project team and agency members, typically monthly.

Additionally, we will schedule regular progress meetings with agency project teams, which will be held on a biweekly basis. Focused technical meetings and workshops will be scheduled as needed. The purpose of these meetings is to maintain open lines of communication and engage key stakeholders early and often, ensuring their involvement in the successful delivery of the project.

Project Communication and Documentation – One critical element for a quality project is to carefully document project decisions and direction, and the general project development history. Preparation of clear, concise memos, emails, meeting minutes and action item resolutions avoid costly re-direction during design that could also have impacts on the project schedule. In addition, ADVANTEC prepares detailed "Response to Comment" letters and/or matrices for all milestones submittal review comments that show both the comment itself and a complete response to each comment.

Project Progress and Workshop Meetings – On a bi-weekly basis, ADVANTEC will attend and chair Project Development Team (PDT) meetings with the City of Laguna Hills and key stakeholders. During these meetings, we will discuss project objectives, schedules, and work progress to promptly identify and resolve critical issues, including budget-related topics. Another effective management tool employed by ADVANTEC is conducting Design Workshops and/or focused Review Meetings with relevant functional or management groups from the Project Team. We will prepare detailed, timely meeting minutes in a comprehensive format, incorporating action item tracking within the minutes. This allows us to carry over action items from one meeting to the next until a final resolution is achieved. This approach has proven to be successful in our past projects, providing a clear structure for resolving action items throughout the project's development and ensuring traceability of project decisions when necessary.



ATTACHMENTS

City of Laguna Hills
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR
AVENIDA DE LA CARLOTA CORRIDOR PROJECT

ATTACHMENT 1

NON-COLLUSION AFFIDAVIT

The undersigned represents and certifies that:

1. This Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and has not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Laguna Hills or of anyone interested in the proposed contract.
5. Proposer affirms that all statements contained in the Proposal and related documents are true and correct.
6. Proposer has not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. Proposer has not entered into any arrangement or agreement with any City of Laguna Hills public officer in connection with this proposal.
8. Proposer understands that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct. Executed this 30 day of Oct, 2025, at Irvine, California.

_____
Signature of Authorized Representative

Carlos A. Ortiz	Chief Executive Officer
Name of Authorized Representative	Title of Authorized Representative

City of Laguna Hills
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR
AVENIDA DE LA CARLOTA CORRIDOR PROJECT

ATTACHMENT 2

CONSULTANT'S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR AGREEMENT FOR PROFESSIONAL SERVICES

Consultant agrees, acknowledges, understands and is fully aware of the insurance requirements as specified in ***Section 5, Insurance Requirements*** of the attached sample Agreement for Professional Services (Attachment 4) and hereby accepts all conditions and requirements as contained therein.

Consultant: ADVANTEC Consulting Engineers, Inc.
Name (Please Print or Type)

By: Carlos A. Ortiz / Chief Executive officer
Consultant's Signature & Title

Date: 10/30/2025

This executed form must be submitted with proposal.

City of Laguna Hills
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR
AVENIDA DE LA CARLOTA CORRIDOR PROJECT

ATTACHMENT 3

CERTIFICATION OF PROPOSAL TO THE CITY OF LAGUNA HILLS

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP). By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer hereby represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

D) Proposer does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition;

E) By submitting the response to this request, Proposer agrees, if selected, to furnish services to the City in accordance with this RFP;

F) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them;

G) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City;

City of Laguna Hills
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR AVENIDA DE LA CARLOTA CORRIDOR PROJECT

H) The proposal response includes all of the commentary, figures and data required by this Request for Proposal.

I) The proposal shall be valid for 180 days from the date of submittal to the City.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct.

Executed this 30 day of Oct, 2025, at Irvine, California.

Name of Proposer: ADVANTEC Consulting Engineers, Inc.

By: _____
(Authorized Signature)

Type Name: Carlos A. Ortiz

Title: Chief Executive Officer

Date: 10/30/2025

Because We Care!

Offices:
21700 Copley Drive, Suite 300
Diamond Bar, CA 91765

1200 Roosevelt
Irvine, CA 92620

ADVANTEC

ADVANTEC Consulting Engineers
Fee Proposal
RTSSP for Avenida De La Carlota Corridor Project

date: 10/30/2025

Task/ Subtask	Description	Rate	Project Manager Jose Guedes $270	Task Leader John Dorado $330	Task Leader John Cox $210	Task Leader Maddie Ortiz $210	Task Leader Ryan Miller $240	Project Engineer V-1 Support Staff $170	Associate Engineer Support Staff $140	Assistant Engineer Support Staff $130	Direct Costs Counts Unlimited	Other Direct Costs	Total Hours	TOTAL LABOR	Total Cost
I	**PRIMARY IMPLEMENTATION (PI) PHASE**														
1	**Support to the City's Project Management Team - PI Phase**		**16**	**12**			**12**	**12**					**52**	**$13,200**	**$13,200**
2	**Data Collection and Field Review**		**4**	**2**	**4**		**24**	**8**	**8**	**40**	**$2,240**	**$500**	**90**	**$16,020**	**$18,760**
2.1	Field Review		*2*	*2*	*4*		*8*	*8*	*8*	*8*		*$500*	*40*	*$7,480*	*$7,980*
2.2	"Before" Travel Time Studies		*1*				*8*			*16*	*$1,120*		*25*	*$4,270*	*$5,390*
2.3	"After" Travel Time Studies		*1*				*8*			*16*	*$1,120*		*25*	*$4,270*	*$5,390*
3	**System Design and Construction**		**16**	**26**	**54**			**132**	**80**	**106**		**$2,460**	**414**	**$71,660**	**$74,120**
3.1	Plans, Specifications and Estimates (PS&E) - (itemized below)		***6***	***16***	***12***			***84***	***80***	***90***		***$1,360***	***288***	***$46,600***	***$47,960***
	Design Plans (17 sheets)		*2*	*8*	*8*			*52*	*80*	*80*		*$1,360*	*230*	*$35,300*	*$36,660*
	Technical Specifications		*2*	*4*	*4*			*24*					*34*	*$6,780*	*$6,780*
	Engineer's Estimates		*2*	*4*				*8*		*10*			*24*	*$4,520*	*$4,520*
3.3	Construction Bidding Support		***2***	***2***	***2***			***8***					***14***	***$2,980***	***$2,980***
3.4	Construction Support and As-Built		***8***	***8***	***40***			***40***		***16***		***$1,100***	***112***	***$22,080***	***$23,180***
5	**Final Primary Implementation Report**		***4***	***2***	***2***		***40***			***12***		***$500***	***60***	***$13,320***	***$13,820***
	PHASE I - Total Hours		**40**	**42**	**60**		**76**	**152**	**88**	**158**			**616**		
	PHASE I - Total Cost		**$ 10,800**	**$ 13,860**	**$ 12,600**	**$ -**	**$ 18,240**	**$ 25,840**	**$ 12,320**	**$ 20,540**	**$2,240**	**$3,460**		**$114,200**	**$119,900**
II	**OPERATION AND MAINTENANCE (O&M) PHASE**														
6	**Project Management - O&M Phase**		**12**										***12***	***$3,240***	***$3,240***
7	**Continuing Support - O&M Phase**		***4***				***12***			***96***		***$2,000***	***112***	***$16,440***	***$18,440***
8	**Final O&M Report/Technical Memorandum**		***4***				***16***						***20***	***$4,920***	***$4,920***
	PHASE II - Total Hours		**20**				**28**			**96**			**12**		
	PHASE II - Total Cost		**$ 5,400**	**$ -**	**$ -**	**$ -**	**$ 6,720**	**$ -**		**$ 12,480**	**$ -**	**$ 2,000**		**$24,600**	**$26,600**
	GRAND TOTAL FEE = PHASE I + PHASE II (Not-To-Exceed)														**$146,500**

EXHIBIT "B"

CITY OF LAGUNA HILLS REQUEST FOR PROPOSALS / PROJECT

SPECIFICATIONS AND SCOPE OF SERVICES REQUEST

FOR

REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR

AVENIDA DE LA CARLOTA CORRIDOR PROJECT

REQUEST FOR PROPOSALS (RFP)

REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR AVENIDA DE LA CARLOTA CORRIDOR PROJECT

CITY OF LAGUNA HILLS
24035 El Toro Road
Laguna Hills, CA 92653
(949) 707-2655

RFP Dates

Request for Proposals Issued:	September 9, 2025
Written Question Deadline:	October 10, 2025 at 5:00 p.m.
Questions Answered/Addenda Issued:	October 17, 2025 by 5:00 p.m.
Proposal Submittal Deadline:	October 30, 2025 at 4:00 p.m.
Interviews to be held on:	TBD, if requested
Proposed Effective Date of Professional Services Agreement:	December 9, 2025

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C. Project Location Map
D. Proposed Time Schedule
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CTFP PROJECT P GRANT APPLICATION

September 9, 2025

SUBJECT: REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR AVENIDA DE LA CARLOTA CORRIDOR PROJECT

Dear Proposers:

You are invited to respond to this Request for Proposal to provide professional consulting services for Regional Traffic Signal Synchronization Program for Avenida De La Carlota Corridor Project.

The following pages detail the Scope of Services to be provided and the submission requirements.

The City intends to enter into an exclusive Professional Services Agreement to fulfill the City's needs.

To be considered responsive, Proposers must submit a written proposal in accordance with the requirements, specifications, conditions and provisions described in the attached RFP.

PROPOSALS ARE DUE BEFORE
4:00 P.M. on October 30, 2025

If you have any questions regarding this RFP, please contact Mark Chagnon at (949) 707-2655 or via email at mchagnon@lagunahillsca.gov.

Thank you for your interest.

Sincerely,

Joe Ames, P.E., T.E.
Interim City Manager/Public Works Director

SECTION I
INTRODUCTION AND INSTRUCTIONS TO PROPOSERS

A: Introduction and Overview

This project has been approved by the Orange County Transportation Authority (OCTA) as part of the Fiscal Year (FY) 2025-2026 Regional Traffic Signal Synchronization Program (Project P). The primary implementation phase is funded for FY 2025-2026. The maintenance and operation phase is funded for FY 2026-2028.

The Consultant work shall prepare plans specifications and estimate to adequately bid the project for construction, and the Consultant shall perform implementation/integration support on an as-needed basis for the Construction Contractor. Unless expressly stated or upon written notice, the Consultant is required to complete each specific task listed in this scope of work. Tasks are itemized for clarity. However, some tasks may be performed concurrently or begin prior to the order listed in the scope of work.

The City is seeking a qualified firm with valid California Civil Engineering and/or Traffic Engineering license to complete the detailed scope of work for the Regional Traffic Signal Synchronization Program For Avenida De La Carlota Corridor Project.

Information concerning the Scope of Services can be found in Section IV.

B. Project Background

The City of Laguna Hills successfully submitted and was awarded funds for the development and implementation of traffic signal improvements and coordination with the Countywide Baseline Study's updated timing plans for the synchronization of traffic signals along the Avenida De La Carlota Corridor. The project corridor spans approximately 2.2 miles and consists of eight (8) signalized intersections. The Avenida De La Carlota corridor spans from Los Alisos Boulevard at its south end to Lake Forest Drive at its north end. The Project Location Map highlights the corridor and identifies the eight (8) signals. Seven (7) of the eight (8) traffic signals are included in the Countywide Baseline Study. The eighth (8^{th}) signal at Lake Forest Drive belongs to Caltrans and is also part of the Lake Forest Drive Corridor project. Coordination with both Caltrans and the Lake Forest Drive Corridor project will be necessary.

This project has been approved by the Orange County Transportation Authority (OCTA) as part of the Fiscal Year (FY) 2025-2026 Regional Traffic Signal Synchronization Program (Project P). The project will consist of Primary Implementation (PI) and On-going Maintenance and Monitoring (OMM) phases. The Primary Implementation phase is anticipated to be completed within a period of one (1) year and will include preparation of a Primary Implementation Project Report. The On-going Maintenance and Monitoring

phase is anticipated to be completed within a period of two (2) years after the Primary Implementation phase and will include preparation of a Final Project Report.

The City may contract with a Project Management Consultant to manage this contract as well as the construction contract for the Avenida De La Carlota Corridor Project. This project must be coordinated with the Paseo De Valencia – Moulton Parkway Confluence Bypass Corridor Project as four (4) of the signals on Avenida De La Carlota are included in that project as offset signals. Coordination with Caltrans and the Lake Forest Drive Corridor project will also be necessary for the Lake Forest Drive signal.

The tasks listed in Section IV below (Scope of Work) represent only an overview and shall be expanded in the Proposal to address specific elements as defined in the CTFP Application (**Attachment 5**).

C. Project Location Map

D: Proposed Schedule

The proposed project schedule is listed on the cover page of this RFP.

E: Instructions to Proposers and Procedures for Submittal

One printed original (marked original), two (2) printed copies (marked copy) and one (1) electronic copy on Flash Drive (will not be returned) and one sealed envelope containing the Fee Proposal must be submitted in a sealed envelope or box bearing the name of the Proposer, marked ***REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR AVENIDA DE LA CARLOTA CORRIDOR PROJECT*** and submitted only to the following address:

City of Laguna Hills
Attention: Joe Ames, Interim City Manager/Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

Proposers are solely responsible for ensuring their submitted proposal is received by the City in accordance with the solicitation requirements, before the Submittal Deadline, and at the place specified.

Postmarks will not be accepted in lieu of actual delivery.

No oral, telegraphic, electronic mail, facsimile, or telephonic proposals or modifications will be considered unless specified.

The City shall not be responsible for any delays in mail or by common carriers or by transmission errors or delays or mistaken delivery. Delivery of proposals shall be made at the office specified in this Request for Proposals.

Deliveries made before the Submittal Deadline, but to the wrong City office, will be considered non-responsive unless re-delivery is made to the office specified before the Submittal Deadline. All proposals shall become the property of the City.

Late proposals will not be accepted and will be returned to the Proposer unopened.

F: General Conditions

ADDITIONAL INFORMATION, RIGHT TO REQUEST. The City reserves the right, where it may serve the City's best interest, to request additional information or clarifications from Proposers during its review and evaluation of proposals submitted for consideration.

ADDITIONAL SERVICES. The Scope of Work describes the minimum work to be accomplished. Upon final selection of the firm, the Scope of Work may be modified and refined during negotiations with the City.

AUTHORIZED SIGNATURES. Every proposal must be signed by the person or persons legally authorized to bind the Proposer to a contract for the execution of the work. Proposer shall provide a current power of attorney, articles of incorporation, or other instrument confirming the agent's authority to bind the Proposer. If an individual makes the proposal, his or her name, signature, and post office address must be shown. If a firm or partnership makes the proposal, the name and post office address of the firm or partnership and the signature of at least one of the general partners must be shown. If a corporation makes the proposal, the proposal shall show the name of the state under the laws of which the corporation is chartered, the name and post office address of the corporation and the title of the person signing on behalf of the corporation. Upon request of the City, the corporation shall provide a certified copy of the bylaws or resolution of the board of directors showing the authority of the officer signing the proposal to execute contracts on behalf of the corporation.

AWARD OF PROPOSAL. City reserves the right to negotiate final terms with the selected Proposer, if any. Award of contract, if any, will be made in accordance with Section 3-08.150 (Professional services contracts) of the Laguna Hills Municipal Code (LHMC) which reads in relevant part as follows:

"A. The informal and formal bidding procedures contained in this chapter shall not apply to contracts for professional services. Rather, to secure professional services, the city shall utilize a request for proposals procedure, the method and details of which shall be promulgated by the City Manager in the form of administrative regulations. The City Manager may award any contract for professional services when the total not to exceed contract amount of such services is fifty thousand dollars ($50,000.00) or less. Any contract for professional services having a total contract amount of greater than fifty thousand dollars ($50,000.00) shall be awarded by the City Council….

C. Notwithstanding any provision in this chapter to the contrary, selection by the city for professional services in areas including but not limited to private architectural, landscape architectural, engineering, environmental, land surveying, construction project management, management and administration, financial, accounting, auditing, actuarial, economics, and/or development and planning, which involve the exercise of discretion and independent judgment together with an advanced or specialized knowledge, expertise, training, or unique skills gained by formal studies or experience, shall be on the

basis of demonstrated competence and on the professional qualifications necessary for the satisfactory performance of the services required, and shall not be awarded solely on the basis of cost…. In accordance with state law, the city shall consider price after the City is satisfied that the would-be person, company, corporation, contractor, consultant, or firm has demonstrated the competence and professional qualifications necessary for the satisfactory performance of the services required."

An Evaluation Committee will be established by the City. The City shall not be obligated to accept the lowest priced proposal but, if an award is made, the City will make an award in the best interests of the City after all factors are considered, including but not limited to the demonstrated competence, experience and professional qualifications of the Proposer. Discussions may, at the City's option, be conducted with the most qualified Proposers. Discussions may be for the purpose of clarification to ensure full understanding of, and responsiveness to, the solicitation requirements. Proposers shall be accorded fair and equal treatment with respect to any opportunity for discussion and written revision of proposals. In conducting discussions, the City will not disclose information derived from proposals submitted by competing Proposers.

COMPLIANCE WITH LAWS. All proposals shall comply with current federal, state, and other laws relative thereto.

CANCELLATION OF SOLICITATION. The City may cancel this solicitation for proposals at any time.

CANCELLATION OF TASKS. If a Professional Services Agreement is awarded for the work described in this RFP, the City will authorize work on a Task Order basis. Task Orders may be issued in any sequence. The City is not obligated to issue a Task Order for all tasks listed in the Scope of Work and expressly reserves the right to cancel tasks.

CONFLICT OF INTEREST. By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her

personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

COSTS. The City is not liable for any costs incurred by Proposers before entering into a formal contract. Costs of developing the proposals, or any other such expenses incurred by the Proposer in responding to this RFP, are entirely the responsibility of the Proposer, and shall not be reimbursed in any manner by the City. No reimbursable cost may be incurred in anticipation of award.

DISQUALIFICATION OF PROPOSER. If there is reason to believe that collusion exists among the Proposers, the City may refuse to consider proposals from participants in such collusion. No person, firm, or corporation under the same or different name, shall make, file, or be interested in more than one proposal for the same work unless alternate proposals are called for. Reasonable grounds for believing that any Proposer is interested in more than one proposal for the same work will cause the rejection of all proposals for the work in which a Proposer is interested. If there is reason to believe that collusion exists among Proposers, the City May refuse to consider proposals from participants in such collusion. Proposers shall submit as part of their proposal documents the completed Non-Collusion Affidavit provided as **Attachment 1**.

DOCUMENTS, EXAMINATION OF. It is the responsibility of the Proposer to carefully and thoroughly examine and be familiar with these RFP documents, general conditions, all forms, specifications, drawings, plans, and addenda (if any). Proposer shall satisfy himself as to the character, quantity, and quality of work to be performed and materials, labor, supervision, necessary to perform the work as specified by these documents. The failure or neglect of the Proposer to examine documents shall in no way relieve him from any obligations with respect to the solicitation and/or subsequent contract that may be awarded. The submission of a proposal shall constitute an acknowledgment upon which the City may rely that the Proposer has thoroughly examined and is familiar with the RFP documents. No claim will be allowed for additional compensation that is based upon a lack of knowledge of any solicitation document.

INTERPRETATION OF RFP DOCUMENTS. City reserves the right to make corrections or clarifications of the information provided in this RFP. If any person is in doubt as to the true meaning of any part of the specifications or other RFP documents, or finds discrepancies or omissions in the specifications, he or she may submit to the City a written request for an interpretation or correction.

Oral statement(s), interpretations or clarifications concerning meaning or intent of the contents of this RFP by any person are unauthorized and invalid. Modifications to the RFP, including, but not limited to, the scope of work, shall be made only by formal written

addendum issued by the City. Accordingly, in order to ensure that all Proposers have access to the same information, the City will use the following procedure to respond to inquiries:

- All questions or requests for interpretations shall be made in writing and delivered to Mark Chagnon, City of Laguna Hills, 24035 El Toro Road, Laguna Hills, CA 92653, or via email at mchagnon@lagunahillsca.gov by the date specified on the cover page of this RFP.

- Staff will issue, as needed, addenda to the RFP, including a list of all written questions received and responses thereto, on the City's website and via email to the RFP distribution list, and all Proposers who have advised the City that they have a set of RFP documents, by the date specified on the cover page of this RFP.

The requesting party is responsible for prompt delivery of any requests. All such addenda shall become a part of the RFP document. It is the responsibility of each Proposer to ensure the City has their correct business name and address on file. Any prospective Proposer who obtained a set of RFP documents is responsible for advising the City that they have a set of RFP documents and wish to receive subsequent Addenda.

IRREGULARITIES. Unauthorized conditions, limitations, or provisions attached to a proposal may cause its rejection. The completed proposal shall be without interlineations, alterations or erasures. Alternative proposals will not be considered unless specifically requested. No oral, telegraphic, or telephonic proposal, modification or withdrawal will be considered.

NON-DISCRIMINATION. Proposer shall represent and certify that it does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition.

NON-EXCLUSIVE. Should the City make an award, the successful Proposer will enter into a non-exclusive Professional Services Agreement and the City reserves the right to enter into agreements with other firms or consultants for the services listed in this RFP.

NO OBLIGATION. The release of this RFP does not obligate or compel the City to enter into a contract or agreement.

NO PUBLIC PROPOSAL OPENING/PUBLIC RECORDS ACT. Proposals shall be opened and their contents secured by City staff to prevent disclosure during the evaluative process and the process of negotiating with competing Proposers. Adequate precautions shall be taken to treat each Proposer fairly and to ensure that information gleaned from competing proposals is not disclosed to other Proposers. Prices and other information concerning the proposals shall not be disclosed until finalists are selected to present

proposals to the City Council or a recommendation for award is made to the City Council, whichever comes first.

OFFERS OF MORE THAN ONE PRICE. Proposers are not allowed to submit more than one proposal.

OWNERSHIP. All data, documents and other products used or developed during the RFP process become the property of the City upon submission.

PROPRIETARY INFORMATION. All proposals and documents submitted in response to this RFP shall become the property of the City and a matter of public record pursuant to Government Code sections 6250 et seq. It is the responsibility of each Proposer to clearly identify any and all information contained within the proposal that it considers to be confidential and/or proprietary. To the extent that the City agrees with that designation, such information will be held in confidence whenever possible; all other information will be considered public. In the event that a demand for disclosure of information designated as "confidential and/or proprietary" by a Proposer is made, the City will notify the Proposer in writing of such demand and shall furnish a copy of the City's written response to the requestor. Proposer may then pursue, at its sole cost and expense, any and all appropriate legal action necessary to maintain the confidentiality of such information.

REJECTION OF PROPOSAL. The City reserves the right to reject any or all proposals or any part of a proposal. The City reserves the right to reject the proposal of any Proposer who previously failed to perform adequately for the City or any other governmental agency. The City expressly reserves the right to reject the proposal of any Proposer who is in default on the payment of taxes, licenses or other monies due to the City.

REPRESENTATIONS. Proposer understands and acknowledges that the representations made in their submitted proposal are material and important, and will be relied on by the City in evaluation of the proposal. Proposer misrepresentation shall be treated as fraudulent concealment from the City of the facts relating to the proposal.

RFP PART OF AGREEMENT. Should an agreement be awarded, this Request for Proposals and Scope of Services and all conditions may become part of the Agreement between the City of Laguna Hills and the successful Proposer.

SEVERABILITY. If any provisions or portion of any provision of this Request for Proposals are held invalid, illegal or unenforceable, they shall be severed from the Request for Proposals and the remaining provisions shall be valid and enforceable.

VALIDITY. Proposal must be valid for a period of 180 days from the due date and may be extended by written authorization from the Proposer.

WITHDRAWAL OF PROPOSAL. Proposers' authorized representative may withdraw proposals only by written request received by the City's project manager before the Proposal Submittal Deadline.

End of Section, continued to next page.

SECTION II

PROPOSAL RESPONSE REQUIREMENTS

One printed original (marked original), two (2) printed copies (marked copy) and one (1) electronic copy on Flash Drive (will not be returned) and one (1) sealed envelope containing the Fee Proposal must be submitted in a sealed envelope or box bearing the name of the Proposer, marked **REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM FOR AVENIDA DE LA CARLOTA CORRIDOR PROJECT** and submitted only to the following address:

City of Laguna Hills
Attention: Joe Ames, Interim City Manager/Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

If discrepancies are found between the copies, or between the original and copy or copies, the “ORIGINAL” will provide the basis for resolving such discrepancies. If one document is not clearly marked “ORIGINAL", the City reserves the right to use any of the proposals as the Original. If no document can be identified as an original bearing original signatures, Proposer's proposal may be rejected at the discretion of the City.

It is imperative that all Proposers responding to the RFP comply exactly and completely with the instructions set forth herein. Proposals must be concise, but with sufficient detail to allow accurate evaluation and comparative analysis. Proposals should be straightforward and provide "layman" explanations of technical terms that are used. Emphasis should be concentrated on conforming to the RFP instructions, responding to the RFP requirements, and on providing a complete and clear description of the offer. Try to Limit the Proposal to 30 pages (not including City-required forms).

All proposals shall be submitted on standard 8.5” by 11” paper and secured in binder clips only (no notebooks or covers to be submitted but a cover page is acceptable). Font shall be no less than 10 point. All pages should be numbered and identified sequentially by section matching the format of this RFP.

Response items must be indexed in the following order with individual tabs:

A. Cover Letter:

Proposal must be accompanied by a cover letter, signed by an individual authorized to bind the proposing entity. An unsigned proposal is grounds for rejection. The cover letter should include an introduction of the firm and summary statement of professional qualifications.

B. Company Data:

Please submit the following information for the Proposer (Prime Consultant Only):

1. Official name and address.
2. Name, address, and telephone number of the Proposer's primary point of contact.
3. Indicate what type of entity (corporation, company, joint venture, etc.). Please enclose a copy of the Joint Venture Agreement if entity is a joint venture.
4. Federal Employer I.D. Number.
5. The address, telephone numbers and authorized email addresses of each of your firm's locations.
6. A detailed statement indicating whether Proposer is totally or partially owned by another business organization or individual.
7. Number of years Proposer has been in business under the present business name.
8. Number of years of experience the Proposer has had in providing required, equivalent, or related services.
9. Comparable contracts during the last five (5) years, completed or not. Please indicate:

    - Year started and completed (if applicable)
    - Scope of work
    - Client or agency name
    - Project description
    - Project manager
    - Approximate value of contract

10. Any failures or refusals to complete a contract and explanation.
11. Individuals/Firms who own an interest of 10% or greater in the proposing firm.
12. Financial interests in other lines of business.
13. Litigation/Adverse Judgement History. Provide a list of all litigation (including all complaints or responses to complaints) filed against the Proposer and any proposed Principal/Project Manager within the last 5 years only, related to performance of a Professional Services Agreement or participation on a project. Provide the date that the complaint was filed, the name of the plaintiff(s), the nature of the litigation and list the causes of action set forth in the complaint, the amount of damages and relief asserted, the project name, describe the role of the Proposer and any proposed Principal/Project Manager in the project, provide the names of the parties involved, status of the case, and a summary of the dispute resolution and/or outcome (including current status for any unresolved litigation) (e.g., trial/judgement, arbitration/mediation, settlement, etc.).
14. Termination of Contract "For Cause" History. Describe the conditions or circumstances surrounding any Professional Services Agreement or other services contract (or portion thereof) entered into by the Proposer and any proposed Principal/Project Manager within the last 5 years only that was

terminated for cause or which required completion by another party. Describe the reasons for termination, the reasons specified by the client/owner for any such termination, whether the Proposer and proposed Principal/Project Manager disputed the client/owner's position and/or the stated justification for terminating for cause, as well as the dispute resolution and/or outcome of the dispute (including the current status for any unresolved notice of termination for cause).

C. Resumes and Qualifications of Personnel:

The Proposer shall furnish a personnel staffing plan with sufficient information for judging the quality and competence of the personnel dedicated to the project. In its assessment of the proposal, City will place considerable emphasis on the commitment by the Proposer to provide qualified personnel for the professional services being considered. The Proposer shall furnish resumes in outline form for the key personnel assigned and committed to this account (i.e., Principal and/or Project Manager). Proposer shall also include the number and type of additional support personnel who will be providing services.

Minimum Resume Contents:

- Name, Position: Include length of time with this firm in the current position and any other positions held within the firm.
- Education: Show degrees earned and certifications, school and year of completion. Exclude company courses or information that is not relevant to the person's functional job duties.
- Summary of Experience: In chronological order, most recent date first, summarize experience as it relates to the proposed Scope of Work. Please include a listing of all projects with a brief description of each. Additional detail and information may be requested of finalists.
- Professional Memberships/Registrations/Licensure/Certifications: Separately, please include a complete list of all previous and current clients.

D: Organizational Chart:

Proposer shall include an organizational chart that reflects names and titles of all staff assigned to the project (include contact information for key management staff). It is the City's requirement that key personnel identified in the Organizational Chart remain during the term of the agreement. The Proposer shall note concurrence on the restrictions to changes in key personnel. A transition plan shall be presented in this section in the event there are proposed changes in key personnel during the term of the agreement that are outside of the consulting firm's control or if the City requests such change.

E: References:

Proposer must provide three (3) PUBLIC AGENCY references for whom Proposer has provided similar services of the nature and scope as set forth in the RFP within the last five (5) years. Include name of agency, name of contact person, telephone number of contact person, and description of services provided.

F: Project Understanding, Overview and Approach:

- Understanding: Proposer must clearly demonstrate in this section an understanding of the tasks outlined in Section IV of this Request for Proposals.
- Approach: Proposer must include in this section its detailed approach to providing those services described in Section IV of this RFP (including all optional tasks) that the Proposer proposes to provide.
- Proposer must identify the services proposed to be provided in response to the Scope of Services. Proposer must note any services not provided by the Proposer.
- Project Management: The City's Public Works Director will serve as a dedicated project manager that will act as the single point of contact and as the contract officer for these services. Proposals should describe the Proposer's approach to project management which ensures coordination with the City's contract officer and a commitment to the project schedule.
- Proposer shall list any resources, City assistance or other items expected to be provided by City in connection with the delivery of these services.
- Proposer may additionally itemize those services which are further recommended or optionally provided but are not noted in the aforementioned paragraphs as requirements. Proposer will title this section as *ADDITIONAL SERVICES*.
- Project Controls: Describe the Proposer's ability to control costs and provide accurate and timely invoices through internal control measures; to monitor and stay within budget; to monitor schedule and review times and describe the techniques used to complete projects within the proposed time frames.
- Quality Control/Quality Assurance (QA/QC): Describe the firm's QA/QC processes that will be adhered to during the term of the agreement. Describe the method of ensuring accuracy and an overall high quality of work.

G: Communication Plan:

Proposer must describe the method(s) of communication and how frequently the firm proposes to keep City staff informed of their progress on any given tasks.

H: Compensation/Payment Schedule:

Proposer is required to submit their cost proposal in the format as outlined in Section V. The Compensation shall be submitted in a separate sealed envelope containing the Fee Proposal.

I: Non-Collusion Affidavit

Proposer is required to sign and submit the *Non-Collusion Affidavit* (**Attachment 1**).

J: Compliance with Insurance Requirements

Proposer is required to sign and submit the *Consultant's Acknowledgement of Compliance with Insurance Requirements for Agreement for Professional Services* (**Attachment 2**). Proposer shall demonstrate the willingness and ability to submit proof of the required insurance coverage (**Attachment 2**) set forth in the *Sample Draft Professional Services Agreement* (**Attachment 4**) prior to execution of the contract.

K: Certification of Proposal

Proposer is required to sign and submit the *Certification of Proposal* (**Attachment 3**).

End of Section, continue to next page.

SECTION III

PROPOSAL EVALUATION AND SELECTION

An Evaluation Committee will be established by the City. The Committee may be comprised of City staff or other personnel as determined by the City Manager and will evaluate all proposals received in accordance with Section 3-08.150 of the LHMC. The City reserves the right to establish criteria and weight factors. The City shall not be obligated to accept the lowest priced proposal, but the City will make an award in the best interests of the City after all factors are considered, including, but not limited to, the demonstrated competence, experience and professional qualifications of the Proposer.

Selection of qualified Proposers will be based on the following criteria as set forth herein. Criteria are listed in random sequence and are not considered in any rank or order of importance. The proposal will be evaluated by the Evaluation Committee on the basis of the response to all requirements of this RFP.

1. Experience of the firm, particularly of staff assigned to provide the requested services
2. Demonstrated understanding of the service needs outlined in this RFP
3. Successful delivery of similar services
4. Location of firm and availability of staff assigned to City
5. Quality of references
6. Content, quality, completeness and form of submitted proposal
7. Interviews
8. Proposed cost of services (considered after selection of best qualified firms).

Following evaluation of written proposals, the Committee may hold interviews with the most qualified respondents. The City intends to enter into a multi-year Professional Services Agreement to fulfill the City's needs.

End of Section, continue to next page.

SECTION IV

SCOPE OF SERVICES

A. PROJECT DEFINITIONS

Definitions

- City: Refers to the lead agency, the City of Laguna Hills, unless otherwise noted.
- Project Team: Refers to the agencies participating in this project – City of Laguna Hills, Project Management Consultant (if applicable), and the Design Consultant.
- Project Management Consultant: Refers to the consultant that may manage the project on behalf of the City (yet to be determined).
- Design Consultant: Refers to the consultant that will prepare all documents necessary to bid and construct the improvements and coordinate traffic signal system timing plans for the subsequent coordination of traffic signals within the project limits.
- Arterial Segment: Length of arterial between signalized intersections in both directions.
- Arterial Section: Two or more consecutive arterial segments.
- Offset Intersections: Signalized intersections identified that are located within 2,700 feet from the project corridor that are also included in the project (none for this project).

B. PROJECT SCOPE OF WORK

PRIMARY IMPLEMENTATION (PI) PHASE, lasting approximately one year shall include the following:

Task 1: Support to the City's Project Management Team - PI Phase

This is an on-going task conducted by the Project Management Consultant (if applicable) or City staff throughout the duration of the PI Phase of the project. It includes day-to-day project management, such as meetings, progress reports, tracking of schedules, tracking of cost, by agency, invoicing, and overall administration of the PROJECT.

Minimum requirements of this task include:

- A running record of all scope changes and/or any deviations from the final approved application. This information will be used to request Scope Changes at the Semi-annual Review (SAR). Design Consultant shall coordinate with The City's Project Management Team on defining scope changes in advance of SAR deadlines.

- Coordinate monthly meetings with Design Consultant and Project Team Members. Design Consultant shall dedicate a set monthly date for meetings. Meetings may be in person or virtual.
- Design Consultant shall provide monthly schedule updates, Progress Reports, and Invoices in advance of set monthly meetings.
- Design Consultant shall provide monthly Comment Matrix with response to comments and deposition of comments. The Comment Matrix shall be provided to the City's Project Management Team one week prior to monthly meeting.

Task 2: Data Collection and Field Review

Because seven (7) of the eight (8) signals are part of the Countywide Baseline Study and the eighth (8th) signal is part of the Lake Forest Drive Corridor project, traffic counts are not required for this project.

Data collection shall include field review of before and after conditions. The floating car method shall be utilized with software and GPS for the "Before" Study to finetune the corridor operation and verify the integrity of the system intersection clocks. Synchronized Video shall be used to compare actual conditions to anticipated conditions detected by the time-space diagrams so that any anomalies may be corrected prior to the "After" studies task.

Field review conducted as part of this task will document the existing conditions for all signal timing, infrastructure, and system improvements on the project. This includes pre-construction pictures for comparison during post-construction walkthrough, should there be any questions or discrepancies noted by any parties. Data collection and Field Review Memos shall be provided to all participating agencies.

Task 3: System Design and Collection

The Design Consultant shall design and prepare bid documents to construct and implement all desired components of the project as described in the application (**Attachment 5**) in accordance with CTFP Guidelines.

All work and equipment supplied for the project shall comply and be done in accordance with the latest standards and provisions of each Participating Agency or latest approved California Department of Transportation (Caltrans) Standard Plans and Standard Specifications. Any equipment supplied for the project shall include the Project Name, Agency, costs, and detail the equipment supplied.

As-built plans shall be provided to match the improvements. This task is not complete until all Participating Agencies approve the improvements implemented in their jurisdictions.

Task 4: Final PI Report

The Design Consultant shall prepare the Final PI Report. Certain elements shall be obtained from or coordinated with the Countywide Baseline Study and Lake Forest Drive Corridor Project as applicable. The Final PI Report, with an executive summary, serves to document the activities of the project and shall include, but not be limited to, the following items:

- Project scope, objective, locations, findings, and recommendations.
- Data collected: Travel time studies, and project benefits achieved in terms of fuel savings, travel times, and other measurable parameters.
- Lane configurations, signal phasing, turning movement data, and cycle lengths for existing and proposed timings for all peak periods.
- All work performed for system construction and signal timing optimization.
- Implementation schedule and improvements accomplished, including dates.
- Procedures for continuous maintenance, surveillance, and evaluation of coordinated signal system project benefits.

The report shall document all planned and programmed improvements to the study corridors as well as recommendations based on PI tasks for further infrastructure improvements that would likely improve the corridor signal coordination project results. The report shall be completed in accordance with current CTFP Guidelines.

Finally, the report shall provide recommendations with cost and benefit estimates for further improvements to traffic signal infrastructure (signal controllers, vehicles detection, communications, etc.), intersection capacity (appropriate signal phasing, lane geometrics and elimination of physical bottlenecks that curtail capacity), and traffic management strategies. These proposed improvements should be useful in determining future enhancements to the corridor.

A Project Summary Sheet (one sheet front and back) that describes the project and improvements gained shall be provided to OCTA. This sheet will be used by OCTA and Participating Agencies to present to the Board and Agencies.

ON-GOING OPERATIONS AND MAINTENANCE (O&M) PHASE, lasting approximately two years, shall include the following:

Task 5: Support to City's Project Management Team – O&M Phase

This task shall be conducted by the Project Management Consultant (if applicable) or City staff and includes day-to-day project management such as meetings, tracking schedules, invoicing and overall administration of the project. This task shall continue in full force as

specified in the Primary Implementation (PI) Phase. Design Consultant shall submit monthly progress reports, invoices, and update schedules.

Task 6: Continuing Support

During this 24-month period, the signal timing along the corridor/route/grid shall be observed and any recommendations for adjustments coordinated with the Countywide Baseline Study and Lake Forest Drive Corridor Project as applicable. This task shall also include the monitoring of detection and communications implemented as part of the project. City's Project Management Team shall be immediately notified of issues. Monthly drives shall be conducted along the length of the project during all designated corridor synchronization timing plan hours of operations to verify that the synchronization timing is working as designed and any necessary adjustments coordinated with the Countywide Baseline Study and Lake Forest Drive Corridor Project as applicable. This is followed by a monthly memorandum summarizing the status and trends of the corridor based on the runs conducted. Trip logs for the month shall be provided to the Participating Agencies. The memorandum shall include all additional tasks requested and completed during that month. Performance metrics comparisons from ATSPM, where available, shall also be included in the memorandum.

Task 8: Final O&M Report

This task shall be conducted by the Design Consultant with oversight by the Project Management Consultant (if applicable) or City staff. At the end of the O&M Phase, a Final O&M Report documenting the On-Going Operations and Maintenance efforts and procedures for continuing maintenance shall be prepared. At the minimum, the Report shall include when travel runs were conducted and issues and solutions throughout the phase. The Report shall document all planned and programmed improvements to the study corridor as well as recommendations for further infrastructure improvements that would likely improve the corridor signal coordination project results.

End of Section, continue to next page.

SECTION V

SCHEDULE OF COMPENSATION/FEES

Compensation will be provided in accordance with Section 2 of the Sample Professional Agreement (**Attachment 4**). Compensation will be made at the fees and schedule contained in the Proposer's Proposal/Scope of Work and subject to a Maximum Contract Amount as agreed upon by Proposer and City.

In order to facilitate comparison of proposals, the City requires all compensation proposals to be submitted in the format below based on the tasks and sub tasks as noted in the Scope of Services above.

The Proposer shall provide a cost proposal in a tabular format by task (to be listed by row) with the following items (to listed by column)

1. Staff title, level, name;
2. Hourly rate;
3. Anticipated staff hours

Include subtotals by task and a projected total cost for the entire proposal.

An example is shown below:

Cost Proposal					
Service Provider	Person 1 Name	Person 2 Name	Person 3 Name	Person 4 Name	Projected Subtotals
Title	Project Manager	Principal	Technician	Administrative Assistant	
Billing Rate	$190	$155	$135	$95	
Task A:	1	3	30	10	$5,655
Task B:	1	2	20	5	$3,675
Projected Totals	2	5	50	15	$9,330

If awarded a contract by the City, the City expects that the fees, rates, and/or unit prices set forth in Consultant's Proposal shall remain fixed and unchanged.

End of Section, continue to next page.

ATTACHMENT 1

NON-COLLUSION AFFIDAVIT

The undersigned represents and certifies that:

1. This Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and has not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Laguna Hills or of anyone interested in the proposed contract.
5. Proposer affirms that all statements contained in the Proposal and related documents are true and correct.
6. Proposer has not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. Proposer has not entered into any arrangement or agreement with any City of Laguna Hills public officer in connection with this proposal.
8. Proposer understands that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct. Executed this _____ day of _____, 2025, at _____, California.

_____
Signature of Authorized Representative

_____ _____
Name of Authorized Representative Title of Authorized Representative

ATTACHMENT 2

CONSULTANT'S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR AGREEMENT FOR PROFESSIONAL SERVICES

Consultant agrees, acknowledges, understands and is fully aware of the insurance requirements as specified in ***Section 5, Insurance Requirements*** of the attached sample Agreement for Professional Services (Attachment 4) and hereby accepts all conditions and requirements as contained therein.

Consultant: _____
Name (Please Print or Type)

By: _____
Consultant's Signature & Title

Date: _____

This executed form must be submitted with proposal.

ATTACHMENT 3

CERTIFICATION OF PROPOSAL TO THE CITY OF LAGUNA HILLS

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP). By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer hereby represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

D) Proposer does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition;

E) By submitting the response to this request, Proposer agrees, if selected, to furnish services to the City in accordance with this RFP;

F) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them;

G) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City;

H) The proposal response includes all of the commentary, figures and data required by this Request for Proposal.

I) The proposal shall be valid for 180 days from the date of submittal to the City.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct.

Executed this _____ day of _____, 2025, at _____, California.

Name of Proposer:_____

By:_____
(Authorized Signature)

Type Name:_____

Title:_____

Date:_____

ATTACHMENT 4

SAMPLE DRAFT PROFESSIONAL SERVICES AGREEMENT

(Subject to Revision by City Upon Final Contract Award)

PROFESSIONAL SERVICES AGREEMENT
Consultant

Project Name

THIS PROFESSIONAL SERVICES AGREEMENT (hereinafter "Agreement") is made and entered into, to be effective the ___ day of _____ 2025, by and between the CITY OF LAGUNA HILLS, a municipal corporation organized and existing under the laws of the State of California, (hereinafter referred to as "City") and _____, a California corporation (hereinafter referred to as "Consultant"). City and Consultant are sometimes hereinafter individually referred to as "Party" and are hereinafter collectively referred to as the "Parties."

RECITALS

A. City has determined that there is a need to retain the professional services of a qualified Civil Engineering and/or Traffic Engineering firm to provide the City with _____(the "Project").

B. In response to City's Request for Proposals (RFP), dated _____, 2025, Consultant has submitted to City a proposal, dated _____, 2025, to provide the City with professional civil engineering and/or traffic engineering consulting services for the Project pursuant to the terms of this Agreement.

C. Consultant represents and maintains that it is uniquely qualified by virtue of its experience, training, education, reputation, and technical expertise to provide the professional civil engineering and/or traffic engineering consulting services to City for the Project and has agreed to provide such services as provided herein. City does not have the personnel, training, certification, specialized equipment, or technical expertise necessary to perform the work and services contracted for herein.

D. City desires to retain Consultant to provide such professional civil engineering and/or traffic engineering consulting services for the Project.

NOW, THEREFORE, in consideration of the promises and mutual obligations, covenants, and conditions contained herein, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

AGREEMENT

1. SERVICES OF CONSULTANT

1.1 Scope of Services and Standard of Performance. In compliance with all terms and conditions of this Agreement, Consultant agrees to provide and perform the professional civil engineering and/or traffic engineering consulting services for the Project as set forth in the Proposal/Scope of Work, dated _____, 2025, which is attached hereto as Exhibit "A" and is incorporated herein by reference (hereinafter referred to as the "Scope of Services," the

"Services" or "Work"). As a material inducement to the City entering into this Agreement, Consultant acknowledges and understands that the Services and Work contracted for under this Agreement require specialized skills and abilities and that, consistent with this understanding, Consultant's Services and Work shall be performed in a skillful and competent manner and shall be held to a standard of quality and workmanship prevalent in the industry for such Services and Work and with the standards recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and warrants that it is skilled in the professional discipline necessary to perform the Services and Work and that it holds the necessary skills and abilities to satisfy the standard of work as set forth in this Agreement. Consultant represents and warrants that it and all of its employees, subconsultants and subcontractors providing any Work or Services under this Agreement shall have sufficient skill and experience to perform the Services and Work assigned to them. All Services and Work shall be completed to the reasonable satisfaction of the City.

1.2 Contract Documents. The Agreement between the Parties shall consist of the following: (1) this Agreement; (2) the Consultant's signed, original Proposal/Scope of Work dated _____ 2025 ("Consultant's Proposal") submitted to City, and (3) the City Request for Proposals (RFP) for Professional Civil Engineering and/or Traffic Engineering Consulting Services for _____, dated _____, 2025 ("City's RFP"), which shall all be referred to collectively hereinafter as the "Contract Documents." The Consultant's Proposal and City's RFP are both attached hereto as Exhibit "A" and Exhibit "B", respectively, and are each hereby incorporated by reference and made a part of this Agreement. All provisions of the Contract Documents shall be binding on the Parties. Should any conflict or inconsistency exist in the Contract Documents, the conflict or inconsistency shall be resolved by applying the provisions in the highest priority document, which shall be determined in the following order of priority: (1st) the terms and conditions of this Agreement; (2nd) the terms, conditions, and Project scope of services and specifications set forth in the City's RFP (Exhibit "B"); and, (3rd) the provisions of the Consultant's Proposal (Exhibit "A").

1.3 Compliance with Law. Consultant shall comply at all times during the term of this Agreement with all applicable federal, state, and local laws, statutes, and ordinances and all lawful orders, rules, and regulations promulgated thereunder, including without limitation all applicable fair labor standards and Cal/OSHA requirements. Consultant shall keep itself fully informed of and in compliance with all local, state, and federal laws, rules, and regulations in any manner affecting the performance of the Work and Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with performing the Work and Services. If Consultant performs any Work or Services in violation of such laws, rules, and regulations, Consultant shall be solely responsible for all penalties and costs arising therefrom. Consultant shall defend, indemnify, and hold City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules, or regulations.

1.4 Licenses, Permits, Fees, and Assessments. Prior to performing any Services or Work hereunder Consultant shall obtain all licenses, permits, qualifications, and approvals of whatever nature that are legally required to practice its profession and perform the Work and

Services required by this Agreement. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement and any extension, any license, permit, qualification, or approval that is legally required for Consultant to perform the Work and Services under this Agreement. Consultant shall have the sole obligation to pay for any fees, assessments, and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Consultant's performance of the Work and Services required by this Agreement, and shall defend, indemnify, and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from and against any claim or liability arising out of any failure or alleged failure to obtain such license, permits, and approvals of whatever nature that are legally required to perform the Work or Services.

1.5 Familiarity with Work. By executing this Agreement, Consultant represents and warrants that it (a) has thoroughly investigated and considered the Scope of Work or Services to be performed, (b) has carefully considered how the Services should be performed and has carefully examined the location or locations at or with respect to where such Services or Work is to be performed, and (c) fully understands the facilities, difficulties, and restrictions attending performance of the Services under this Agreement. If the Services involve work upon any site, Consultant represents and maintains that Consultant has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of any Services hereunder. Should the Consultant discover any latent or unknown conditions that will materially affect the performance of the Services hereunder, Consultant shall immediately inform the City of such fact and shall not proceed except at Consultant's risk until written instructions are received from the City.

1.6 Care of Work. Consultant shall adopt reasonable methods during the term of the Agreement to furnish continuous protection to the Work and the equipment, materials, papers, documents, plans, studies, and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the Work by the City, except such losses or damages as may be caused by City's own negligence.

1.7 Further Responsibilities of Parties. Both Parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both Parties agree to act in good faith to execute all instruments, prepare all documents, and take all actions as may be reasonably necessary to carry out the purposes of this Agreement.

1.8 Additional Services. City shall have the right at any time during the performance of the Services, without invalidating this Agreement, to order extra work beyond that specified in the Consultant's Proposal/Scope of Services (Exhibit "A") or make changes by altering, adding to, or deducting from such Work. No such extra work may be undertaken unless a written order is first given by the City to the Consultant, incorporating therein any adjustment in (i) the Maximum Contract Amount, as defined below, and/or (ii) the time to perform this Agreement, which adjustments are subject to the written approval of the Consultant. It is expressly understood by Consultant that the provisions of this section shall not apply to the Work and Services specifically set forth in the Scope of Services or reasonably contemplated therein, regardless of whether the

time or materials required to complete any Work or Service identified in the Scope of Services exceeds any time or material amounts or estimates provided therein.

1.9 Non-Exclusive Agreement. Consultant acknowledges that City may enter into agreements with other contractors, consultants, or vendors for services similar to the services that are the subject of this Agreement. Consultant further acknowledges that City may have its own employees perform services similar to the services that are the subject of this Agreement.

2. COMPENSATION

2.1 Maximum Contract Amount. For the Services and Work rendered pursuant to this Agreement, Consultant shall be compensated by City for the services performed, including authorized reimbursements, in accordance with the professional hourly rates and charges set forth in the Schedule of Compensation/Fees, which is attached hereto as Exhibit "A" and is incorporated herein by reference, but not exceeding the total maximum contract amount _____ ($_____) (hereinafter referred to as the "Maximum Contract Amount"). The method of compensation shall be as set forth in Exhibit "A". The Maximum Contract Amount shall include the attendance of Consultant at all Project meetings deemed reasonably necessary by the City. Consultant shall not be entitled to any increase in the Maximum Contract Amount for attending these meetings. Compensation for necessary expenditures for reproduction costs, telephone expenses, and transportation expenses must be approved in advance by the Contract Officer designated pursuant to Section 4.2 and will only be approved if such expenses are also specified in the Schedule of Compensation/Fees. The maximum amount of City's payment obligation under this Agreement is the amount specified in this section.

2.2. Method of Payment. Unless some other method of payment is specified in the Schedule of Compensation/Fees (Exhibit "A"), in any month in which Consultant wishes to receive payment, no later than the tenth (10^{th}) working day of such month, Consultant shall submit to the City, in a form approved by the City's Finance Director, an invoice for services rendered prior to the date of the invoice. Such requests shall be based upon the amount and value of the services performed by Consultant and accompanied by such reporting data including an itemized breakdown of all costs incurred and tasks performed during the period covered by the invoice, as may be required by the City. City shall use reasonable efforts to make payments to Consultant within forty-five (45) days after receipt of the invoice or a soon thereafter as is reasonably practical.

2.3 *Intentionally omitted.*

2.4 Changes in Scope. In the event any change or changes in the Scope of Services is requested by the City, the Parties shall execute a written amendment to this Agreement, setting forth with particularity all terms of such amendment, including, but not limited to, any additional professional fees. An amendment may be entered into: (a) to provide for revisions or modifications to documents or other work product or work when documents or other work product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product, or work; and/or (b) to provide for additional services not included in this Agreement

or not customarily furnished in accordance with generally accepted practice in Consultant's profession.

2.5 Appropriations. This Agreement is subject to and contingent upon funds being appropriated therefore by the Laguna Hills City Council for each fiscal year covered by the term of this Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to the City.

3. SCHEDULE OF PERFORMANCE

3.1 Time of Essence. Time is of the essence in the performance of this Agreement. The time for completion of the services to be performed by Consultant is an essential condition of this Agreement. Consultant shall prosecute regularly and diligently the Work of this Agreement according to the agreed upon Schedule of Performance.

3.2 Schedule of Performance. Consultant shall commence the Services pursuant to this Agreement upon receipt of a written notice to proceed, or on each task order, if applicable, and shall perform all Services within the time period(s) established in the Schedule of Performance, which is attached hereto as Exhibit "A" and is incorporated herein by reference. When requested by Consultant, extensions to the time period(s) specified in the Schedule of Performance may be approved in writing by the Contract Officer; however, the City shall not be obligated to grant such an extension.

3.3 Force Majeure. The time period(s) specified in the Schedule of Performance for performance of the Services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Consultant (financial inability excepted), including, but not limited to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, pandemics, quarantine restrictions, riots, strikes, freight embargoes, wars, and/or acts of any governmental agency, including the City, if Consultant, within ten (10) days of the commencement of such delay, notifies the City Manager in writing of the causes of the delay. The City Manager shall ascertain the facts and the extent of delay, and extend the time for performing the Services for the period of the enforced delay when and if in the judgment of the City Manager such delay is justified. The City Manager's determination shall be final and conclusive upon the Parties to this Agreement. In no event shall Consultant be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Consultant's sole remedy being extension of the Agreement pursuant to this section.

3.4 Term. Unless earlier terminated as provided elsewhere in this Agreement, this Agreement shall commence upon the effective date of this Agreement and shall continue in full force and effect for a period of _____, commencing on _____, 2025 and ending on _____, 2025, unless extended by mutual written agreement of the Parties.

3.5 Task Orders. Consultant hereby agrees and acknowledges that any and all Services or Work performed pursuant to this Agreement shall be based upon the prior issuance of a written project task order by the City. Furthermore, Consultant hereby agrees and acknowledges that execution of this Agreement by the City does not in any way guarantee that a task order will be

issued to Consultant. Moreover, execution of this Agreement by the City shall not entitle Consultant to any form of payment or compensation from the City without City first having issued a project task order.

4. COORDINATION OF WORK

4.1 Representative of Consultant. The following principal of Consultant is hereby designated as being the principal and representative of Consultant authorized to act in its behalf with respect to the Services to be performed under this Agreement and to make all decisions in connection therewith: _____. It is expressly understood that the experience, knowledge, education, capability, expertise, and reputation of the foregoing principal is a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Consultant and devoting sufficient time to personally supervise the Work or Services performed hereunder. The foregoing principal may not be changed by Consultant without prior written approval of the Contract Officer.

4.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Manager of City, and is subject to change by the City Manager. It shall be the Consultant's responsibility to ensure that the Contract Officer is kept fully informed of the progress of the performance of the Services, and the Consultant shall refer any decisions which must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

4.3 Prohibition Against Subcontracting or Assignments. The experience, knowledge, capability, expertise, and reputation of Consultant, its principals and employees, were a substantial inducement for City to enter into this Agreement. Therefore, Consultant shall not assign the performance of this Agreement, nor any part thereof, nor any monies due hereunder, voluntarily or by operation of law, without the prior written consent of City. Consultant shall not contract with any other entity to perform the Services required without prior written consent of City. If Consultant is permitted to subcontract any part of this Agreement by City, Consultant shall be responsible to City for the acts and omissions of its subcontractor(s) in the same manner as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationships between any subcontractor and City. All persons engaged in the Work will be considered employees of Consultant. City will deal directly with and will make all payments to Consultant. In addition, neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated, or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written consent of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty-five percent (25%) of the present ownership and/or control of Consultant, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release Consultant or any surety of Consultant from any liability hereunder without the express written consent of City.

4.4 Independent Contractor.

A. The legal relationship between the Parties is that of an independent contractor, and nothing herein shall be deemed to make Consultant a City employee. During the performance of this Agreement, Consultant and its officers, employees, and agents shall act in an independent capacity and shall not act as City officers or employees. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. The personnel performing the Services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officials, officers, employees, agents or volunteers shall have control over the conduct of Consultant or any of its officers, employees, or agents, except as set forth in this Agreement. Consultant, its officers, employees or agents, shall not maintain a permanent office or fixed business location at City's offices. City shall have no voice in the selection, discharge, supervision, or control of Consultant's officers, employees, representatives or agents or in fixing their number, compensation, or hours of service. Consultant shall pay all wages, salaries, and other amounts due its employees in connection with the performance of Services under this Agreement as required by law and shall be responsible for all reports and obligations respecting them, including but not limited to social security income tax withholding, unemployment compensation, workers' compensation, and other similar matters. City shall not in any way or for any purpose be deemed to be a partner of Consultant in its business or otherwise a joint venturer or a member of any joint enterprise with Consultant.

B. Consultant shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

C. No City benefits shall be available to Consultant, its officers, employees, or agents, in connection with the performance of any Work or Services under this Agreement. Except for professional fees paid to Consultant as provided for in this Agreement, City shall not pay salaries, wages, or other compensation to Consultant for the performance of any Work or Services under this Agreement. City shall not be liable for compensation or indemnification to Consultant, its officers, employees, or agents, for injury or sickness arising out of performing any Work or Services hereunder. If for any reason any court or governmental agency determines that the City has financial obligations, other than pursuant to Section 2 and Subsection 1.8 herein, of any nature relating to salary, taxes, or benefits of Consultant's officers, employees, representatives, agents, or subconsultants or subcontractors, Consultant shall defend, indemnify, and hold harmless City from and against all such financial obligations.

4.5 PERS Eligibility & Indemnification.

A. In the event that Consultant or any employee, agent, or subcontractor of Consultant providing any Work or Services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employee Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents or subcontractors, as well as for the

payment of any penalties and interest on such contributions, which would otherwise be the responsibility of the City.

B. Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing any Work or Services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

5. INSURANCE

5.1 Compliance with Insurance Requirements. Consultant shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to City, all insurance required under this section. Consultant shall not commence any Work or Services under this Agreement unless and until it has provided evidence satisfactory to City that it has secured all insurance required under this section. If Consultant's existing insurance policies do not meet the insurance requirements set forth herein, Consultant agrees to amend, supplement or endorse the policies to do so.

5.2 Types of Insurance Required. As a condition precedent to the effectiveness of this Agreement, and without limiting the indemnity provisions set forth in this Agreement, Consultant shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

A. Commercial General Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Commercial General Liability Insurance written on an occurrence basis with limits of at least one million dollars ($1,000,000.00) per occurrence, two million dollars ($2,000,000.00) in the general aggregate, and one million dollars ($1,000,000.00) for products and completed operations. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) contain any other exclusion contrary to the Agreement.

B. Automobile Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) combined limit for each occurrence covering bodily injury and property damage. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles.

C. Workers' Compensation Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance in at least the minimum statutory amounts, and in compliance with all other statutory requirements, as required by the State of California. Consultant agrees to waive and obtain endorsements from its workers' compensation insurer waiving all subrogation rights under its workers' compensation insurance policy against the City, its officials, officers, employees, agents

and volunteers, and to require each of its subconsultants and subcontractors, if any, to do likewise under their workers' compensation insurance policies. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Employer's Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) per accident for bodily injury or disease.

D. Professional Liability (Errors & Omissions) Insurance. Consultant shall obtain and maintain in full force and effect throughout the term of this Agreement, a policy of Professional Liability or Errors and Omissions Insurance appropriate to Consultant's profession with limits of at least two million dollars ($2,000,000.00). Covered professional services shall specifically include all Work or Services to be performed under the Agreement and delete any exclusions that may potentially affect the Work or Services to be performed under this Agreement.

1. The policy shall be endorsed to provide the following: Contractual Liability Exclusion Deleted: This insurance shall include contractual liability applicable to this Agreement. The policy must "pay on behalf of" the insured and include a provision establishing the insurer's duty to defend.

2. If the policy of insurance is written on a "claims-made" basis, the City may require that the policy be continued in full force and effect at all times during the term of this Agreement, and for a period of three (3) years from the date of the completion of the Work or Services provided hereunder. In the event of termination of the policy during this period, Consultant shall obtain continuing insurance coverage for the prior acts or omissions of Consultant during the course of performing the Work or Services under the terms of this Agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier or other insurance arrangements providing for complete coverage, either of which shall be subject to the written approval by the City.

3. In the event the policy of insurance is written on an "occurrence" basis, the policy shall be continued in full force and effect during the term of this Agreement, or until completion of the Work or Services provided for in this Agreement, whichever is later. In the event of termination of the policy during this period, new coverage shall immediately be obtained to ensure coverage during the entire course of performing the Work or Services under the terms of this Agreement.

5.3 Acceptability of Insurers. Insurance required by this section shall be issued by a licensed company authorized to transact business in the state by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of California List of Approved Surplus Lines Insurers (LASLI), by the latest edition of A.M. Best's Key Rating Guide, except that the City will accept workers' compensation insurance from the State Compensation Fund. In the event the City determines that the Work or Services to be performed under this Agreement creates an increased or decreased risk of loss to the City, the Consultant agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt

of written notice from the City. Consultant shall immediately substitute any insurer whose A.M. Best rating drops below the levels specified herein.

5.4 Insurance Endorsements. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. Required insurance policies shall contain the following provisions, or Consultant shall provide endorsements on forms approved by the City to add the following provisions to the insurance policies:

A. The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to provide the following:

1. Additional Insured: The City, its officials, officers, employees, agents and volunteers, shall be additional insureds with regard to liability and defense of suits or claims arising out of the performance of the Agreement; and

2. Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict coverage to "sole" liability of Consultant, or (4) contain any other exclusions contrary to the Agreement; and, the coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

3. Notice: The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to state that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice by First Class U.S. Mail, postage-prepaid, has been provided to the City. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Consultant's failure to pay the insurance premium, the notice provided to City shall be by ten (10) days prior written notice.

B. For all policies of Commercial General Liability Insurance, Consultant shall provide endorsements for ongoing operations and completed operations to effectuate this requirement.

5.5 Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be approved in writing by the City in advance and shall protect the City, its officials, officers, employees, agents and volunteers, in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

5.6 Primary and Non-Contributing Insurance. All policies of Commercial General Liability Insurance and Automobile Liability Insurance shall be primary and any other insurance, deductible, or self-insurance maintained by the City, its officials, officers, employees, agents or volunteers, shall not contribute with this primary insurance. Policies shall contain or be endorsed to contain such provisions.

5.7 Waiver of Subrogation. All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the City, its officials, officers, employees, agents and volunteers, or shall specifically allow Consultant or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Consultant hereby agrees to waive its own right of recovery against the City, its officials, officers, employees, agents and volunteers, and Consultant hereby agrees to require similar written express waivers and insurance clauses from each of its subconsultants or subcontractors.

5.8 Evidence of Coverage. Concurrently with the execution of the Agreement, Consultant shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required by this section. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the City. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Consultant shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the City evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies. Consultant shall promptly furnish, at City's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents City requires to verify coverage.

5.9 Requirements Not Limiting. Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Consultant may be held responsible for payments of damages to persons or property.

5.10 Enforcement of Agreement (Non-Estoppel). Consultant acknowledges and agrees that actual or alleged failure on the part of the City to inform Consultant of any non-compliance with any of the insurance requirements set forth in this section imposes no additional obligation on the City nor does it waive any rights hereunder.

5.11 Insurance for Subconsultants. Consultant shall either: (1) include all subconsultants or subcontractors engaged in any Work or Services for Consultant relating to this Agreement as additional named insureds under the Consultant's insurance policies, or (2) Consultant shall be responsible for causing its subconsultants or subcontractors to procure and maintain the appropriate insurance in compliance with the terms of the insurance requirements set forth in this section, including adding the City, its officials, officers, employees, agents and volunteers, as additional insureds to their respective policies. All policies of Commercial General Liability Insurance provided by Consultant's subconsultants or subcontractors performing any Work or Services related to this Agreement shall be endorsed to name the City, its officials,

officers, employees, agents and volunteers, as additional insureds. Consultant shall not allow any subconsultant or subcontractor to commence any Work or Services relating to this Agreement unless and until it has provided evidence satisfactory to City that the subconsultant or subcontractor has secured all insurance required under this section.

5.12 Other Insurance Requirements. The following terms and conditions shall apply to the insurance policies required of Consultant pursuant to this Agreement:

A. Consultant shall provide immediate written notice to City if (1) any of the insurance policies required herein are terminated, cancelled or suspended, (2) the limits of any of the insurance coverages required herein are reduced, or (3) the deductible or self-insured retention is increased.

B. All insurance coverage and limits provided by Consultant and available or applicable to this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations shall limit the application of such insurance coverage.

C. None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the City and approved in writing.

D. Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay commencement of the Project. It is Consultant's obligation to ensure timely compliance with all insurance submittal requirements as provided herein.

E. Consultant agrees to ensure that subconsultants and subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the Project will be submitted to the City for review.

F. Consultant agrees to provide immediate written notice to City of any claim, demand or loss against Consultant arising out of the Work or Services performed under this Agreement and for any other claim, demand or loss which may reduce the insurance available to pay claims, demands or losses arising out of this Agreement.

6. INDEMNIFICATION

To the fullest extent permitted by law, Consultant shall defend (at Consultant's sole cost

and expense with legal counsel reasonably acceptable to City), indemnify and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officers, directors, employees, subcontractors, consultants or agents, in connection with Consultant's performance under this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses. Notwithstanding the foregoing, to the extent that the Work or Services performed by Consultant are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Consultant's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless, and indemnify the City, its elected and appointed officials, officers, employees, agents, and volunteers, shall not apply to such claims or liabilities arising from the sole or active negligence or willful misconduct of City.

7. REPORTS AND RECORDS

7.1 Accounting Records. Consultant shall keep complete, accurate, and detailed accounts of all time, costs, expenses, and expenditures pertaining in any way to this Agreement. Consultant shall keep such books and records as shall be necessary to properly perform the Services required by this Agreement and to enable the Contract Officer to evaluate the performance of such Services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit, and make records and transcripts from such records.

7.2 Reports. Consultant shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the Services required by this Agreement as the Contract Officer shall require. Consultant hereby acknowledges that the City is greatly concerned about the cost of the Work and Services to be performed pursuant to this Agreement. For this reason, Consultant agrees that if Consultant becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the Work or Services contemplated herein or, if Consultant is providing design services, the cost of the project being designed, Consultant shall promptly notify the Contract Officer of such fact, circumstance, technique, or event and the estimated increased or decreased cost related thereto and, if Consultant is providing design services, the estimated increased or decreased cost estimate for the project being designed.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents, memoranda, correspondence, computations, and other materials prepared by Consultant, its employees, subconsultants, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be promptly delivered to City upon request of

the Contract Officer or upon the termination of this Agreement, and Consultant shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Consultant may retain copies of such documents for its own use. Consultant shall have an unrestricted right to use the concepts embodied therein. Consultant shall ensure that all of its subconsultants and subcontractors shall provide for assignment to City of any documents or materials prepared by them, and in the event Consultant fails to secure such assignment, Consultant shall indemnify City for all damages resulting therefrom.

7.4 Release of Documents. All drawings, specifications, reports, records, documents, and other materials prepared by Consultant in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer. All information gained by Consultant in the performance of this Agreement shall be considered confidential and shall not be released by Consultant without City's prior written authorization.

7.5 Audit and Inspection of Records. After receipt of reasonable notice and during the regular business hours of City, Consultant shall provide City, or other agents of City, such access to Consultant's books, records, payroll documents, and facilities as City deems necessary to examine, copy, audit, and inspect all accounting books, records, work data, documents, and activities directly related to Consultant's performance under this Agreement. Consultant shall maintain such books, records, data, and documents in accordance with generally accepted accounting principles and shall clearly identify and make such items readily accessible to such parties during the term of this Agreement and for a period of three (3) years from the date of final payment by City hereunder.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law and Venue. This Agreement shall be construed and interpreted both as to validity and as to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim, or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such County, and Consultant covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Interpretation. This Agreement shall be construed as a whole according to its fair language and common meaning to achieve the objectives and purposes of the Parties. The terms of this Agreement are contractual and the result of negotiation between the Parties. Accordingly, any rule of construction of contracts (including, without limitation, California Civil Code Section 1654) that ambiguities are to be construed against the drafting party, shall not be employed in the interpretation of this Agreement. The caption headings of the various sections and paragraphs of this Agreement are for convenience and identification purposes only and shall not be deemed to limit, expand, or define the contents of the respective sections or paragraphs.

8.3 Termination. City may terminate this Agreement for any reason, with or without cause, upon giving Consultant thirty (30) days written notice. Upon such notice, City shall pay Consultant for Services performed through the date of termination. Upon receipt of such notice,

Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Thereafter, Consultant shall have no further claims against the City under this Agreement. Upon termination of the Agreement pursuant to this section, Consultant shall submit to the City an invoice for work and services performed prior to the date of termination. In addition, Consultant reserves the right to terminate this Agreement at any time upon sixty (60) days written notice to the City, except that where termination is due to material default by the City, the period of notice may be such shorter time as the Consultant may determine.

8.4 Default of Consultant.

A. Consultant's failure to comply with any provision of this Agreement shall constitute a default.

B. If the City Manager, or City Manager's designee, determines that Consultant is in default in the performance of any of the terms or conditions of this Agreement, he/she shall notify Consultant in writing of such default. Consultant shall have ten (10) days, or such longer period as City may designate, to cure the default by rendering satisfactory performance. In the event Consultant fails to cure its default within such period of time, City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice of any remedy to which City may be entitled at law, in equity, or under this Agreement. Consultant shall be liable for any and all reasonable costs incurred by City as a result of such default. Compliance with the provisions of this section shall not constitute a waiver of any City right to take legal action in the event that the dispute is not cured, provided that nothing herein shall limit City's right to terminate this Agreement without cause pursuant to Section 8.3.

C. If termination is due to the failure of the Consultant to fulfill its obligations under this Agreement, City may, after compliance with the provisions of Section 8.4(B), take over the work and prosecute the same to completion by contract or otherwise, and the Consultant shall be liable to the extent that the total cost for completion of the Services required hereunder exceeds the Maximum Contract Amount (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Consultant for the purpose of set-off or partial payment of the amounts owed the City as previously stated. The withholding or failure to withhold payments to Consultant shall not limit Consultant's liability for completion of the Services as provided herein.

8.5 Waiver. No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative of the Party against whom enforcement of a waiver is sought. Any waiver by the Parties of any default or breach of any covenant, condition, or term contained in this Agreement, shall not be construed to be a waiver of any subsequent or other default or breach, nor shall failure by the Parties to require exact, full, and complete compliance with any of the covenants, conditions, or terms contained in this Agreement be construed as changing the terms of this Agreement in any manner or preventing the Parties from enforcing the full provisions hereof.

8.6 Rights and Remedies Cumulative. Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the Parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

8.7 Legal Action. In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Attorneys' Fees. In the event any dispute between the Parties with respect to this Agreement results in litigation or any non-judicial proceeding, the prevailing Party shall be entitled, in addition to such other relief as may be granted, to recover from the non-prevailing Party all reasonable costs and expenses, including but not limited to reasonable attorneys' fees, expert witness fees, court costs and all fees, costs, and expenses incurred in any appeal or in collection of any judgment entered in such proceeding. To the extent authorized by law, in the event of a dismissal by the plaintiff or petitioner of the litigation or non-judicial proceeding within thirty (30) days of the date set for trial or hearing, the other Party shall be deemed to be the prevailing Party in such litigation or proceeding.

9. CITY OFFICERS AND EMPLOYEES: NON-DISCRIMINATION

9.1 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Consultant, or any successor-in-interest, in the event of any default or breach by the City or for any amount which may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Conflict of Interest. No officer or employee of the City shall have any financial interest, direct or indirect, in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which effects his or her financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of any state statute or regulation. Consultant represents and warrants that it has not paid or given and will not pay or give any third party any money or other consideration in exchange for obtaining this Agreement.

9.3 Covenant Against Discrimination. In connection with its performance under this Agreement, Consultant shall not discriminate against any employee or applicant for employment because of race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Consultant shall ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

10. MISCELLANEOUS PROVISIONS

10.1 Patent and Copyright Infringement.

A. To the fullest extent permitted by law, and in lieu of any other warranty by City or Consultant against patent or copyright infringement, statutory or otherwise, it is agreed that Consultant shall defend at its expense any claim or suit against City on account of any allegation that any item furnished under this Agreement, or the normal use or sale thereof arising out of the performance of this Agreement, infringes upon any presently existing U.S. letters patent or copyright and Consultant shall pay all costs and damages finally awarded in any such suit or claim, provided that Consultant is promptly notified in writing of the suit or claim and given authority, information and assistance at Consultant's expense for the defense of same, and provided such suit or claim arises out of, pertains to, or is related to the alleged negligence, recklessness or willful misconduct of Consultant. However, Consultant will not indemnify City if the suit or claim results from: (1) City's alteration of a deliverable, such that City's alteration of such deliverable created the infringement upon any presently existing U.S. letters patent or copyright; or (2) the use of a deliverable in combination with other material not provided by Consultant when it is such use in combination which infringes upon an existing U.S. letters patent or copyright.

B. Consultant shall have sole control of the defense of any such claim or suit and all negotiations for settlement thereof, Consultant shall not be obligated to indemnify City under any settlement made without Consultant's consent or in the event City fails to cooperate in the defense of any suit or claim, provided, however, that such defense shall be at Consultant's expense. If the use or sale of such item is enjoined as a result of the suit or claim, Consultant, at no expense to City, shall obtain for City the right to use and sell the item, or shall substitute an equivalent item acceptable to City and extend this patent and copyright indemnity thereto.

10.2 Notices. All notices or other communications required or permitted hereunder shall be in writing, and shall be personally delivered, sent by registered or certified mail, postage prepaid, return receipt requested, or delivered or sent by facsimile with attached evidence of completed transmission, and shall be deemed received upon the earlier of (i) the date of delivery to the address of the person to receive such notice if delivered personally or by messenger or overnight courier; (ii) five (5) business days after the date of posting by the United States Post Office if by mail; or (iii) when sent if given by facsimile. Notices or other communications shall be addressed as follows:

To City:
City of Laguna Hills
Attention: City Manager
24035 El Toro Road
Laguna Hills, California 92653
Telephone: (949) 707-2600

To Consultant:
Firm Name
Attention: Contact Name, Title
Street Address:
City, State, Zip Code
Telephone:

Email:

10.3 Entire Agreement. This Agreement constitutes the entire agreement between the Parties and supersedes all prior negotiations, arrangements, agreements, representations, and understandings, if any, made by or among the Parties with respect to the subject matter hereof. No amendments or other modifications of this Agreement shall be binding unless executed in writing by both Parties hereto, or their respective successors, assigns, or grantees.

10.4 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be determined to be invalid by a final judgment or decree of a court of competent jurisdiction, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the reminder of that provision, or the remaining provisions of this Agreement unless the invalid provision is so material that its invalidity deprives either Party of the basic benefit of their bargain or renders this Agreement meaningless.

10.5 Successors in Interest. This Agreement shall be binding upon and inure to the benefit of the Parties' successors and assignees.

10.6 Third Party Beneficiary. Nothing contained in this Agreement is intended to confer, nor shall this Agreement be construed as conferring, any rights, including, without limitation, any rights as a third-party beneficiary or otherwise, upon any entity or person not a party hereto.

10.7 Recitals. The above-referenced Recitals are hereby incorporated into the Agreement as though fully set forth herein and each Party acknowledges and agrees that such Party is bound, for purposes of this Agreement, by the same.

10.8. Corporate Authority. Each of the undersigned represents and warrants that (i) the Party for which he/she is executing this Agreement is duly authorized and existing, (ii) he/she is duly authorized to execute and deliver this Agreement on behalf of the Party for which he/she is signing, (iii) by so executing this Agreement, the Party for which he/she is signing is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the Party for which he/she is signing is bound.

10.9 Prevailing Wages. The City has determined that the Work and Services under this Agreement requires work of labor categories which are subject to Prevailing Wage Laws identified in the State of California Labor Code. Consultant is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, the Prevailing Wage Laws). It is agreed by the Parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees

to defend, indemnify, and hold the City, its elected officials, officers, employees, and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this Agreement. Consultant understands and agrees to comply with the following California Labor Code compliance conditions [Labor Code Sections 1720 et seq., 1813, 1860, 1861, 3700]:

10.9.1. This Agreement is subject to the provisions of Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code relating to public works and the awarding public agency ("City") and Contractor agree to be bound by all the provisions thereof as though set forth in full herein.

10.9.2. Consultant shall be registered with the Department of Industrial Relations ("DIR") in accordance with California Labor Code Section 1725.5 and has provided proof of registration to City prior to the Effective Date of this Agreement.

10.9.3. Consultant agrees to comply with the provisions of California Labor Code Sections 1771, 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The applicable prevailing wage determination(s) may be obtained at (http://www.dir.ca.qov/OPRUDPreWaqeDetermination.htm), are on file with City, and are available to any interested party upon request. A copy of said rates shall be posted at each job site during the Term of this Agreement.

10.9.4. Pursuant to California Labor Code Section 1771.4, Consultant's services are subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractor shall post job site notices as prescribed by DIR regulations and furnish the records specified in California Labor Code Section 1776 directly to the Labor Commissioner in the manner prescribed by California Labor Code Section 1771.4(a)(3) and (c)(2).

10.9.5. Consultant shall comply with the provisions of California Labor Code Section 1776 which, among other things, require Contractor and each subcontractor to (1) keep accurate payroll records, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform the City of the location of the records. The Contractor is responsible for compliance with Section 1776 by itself and all of its subcontractors.

10.9.6. Consultant shall comply with the provisions of California Labor Code Section 1777.5 concerning the employment of apprentices on public works projects, and further agrees that Consultant is responsible for compliance with Section 1777.5 by itself and all of its subcontractors.

10.9.7. Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this Agreement, and the Consultant and any subcontractor shall comply with and be governed by the laws of the State of California having to do with working hours set forth in Division 2, Part 7, Chapter 1, Article 3 of the California Labor

Code. Consultant shall comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to the City, forfeit twenty-five dollars ($25) for each worker employed in the execution of this Agreement by the Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code. (See, e.g., Cal. Labor Code §1815.)

10.9.8. Pursuant to California Labor Code Sections 1860 and 3700, Consultant will be required to secure the payment of compensation to its employees. By signing this Agreement, Consultant hereby certifies as follows:

> "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Agreement."

10.9.9. Pursuant to California Labor Code Section 1771.1, Consultant and any subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the California Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the DIR and qualified to perform public work pursuant to California Labor Code Section 1725.2. It is not a violation of California Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by California Business and Professions Code Section 7029.1 or by California Public Contract Code Section 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Consultant shall not perform any work under this Agreement with any subcontractor who is ineligible to perform work on the public works project pursuant to Section 1777.1 or 1777.7 of the California Labor Code.

10.10 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

[*SIGNATURES ON NEXT PAGE*]

IN WITNESS WHEREOF, the Parties have executed and entered into this Agreement as of the date first written above.

"CITY"
City of Laguna Hills,
a California municipal corporation

_____
,
City Manager

ATTEST:

(SEAL)

_____
, City Clerk

APPROVED AS TO FORM:

_____
,
City Attorney

"CONSULTANT"

By: _____
,
President

By: _____
,
Secretary

EXHIBIT "A"

CONSULTANT'S PROPOSAL/ SCOPE OF WORK

FOR

PROJECT NAME

DATED: _____, 2025

SCOPE OF SERVICES FOR PROJECT

INCLUDING,

SCHEDULE OF PERFORMANCE

AND

SCHEDULE OF COMPENSATION/ FEES

EXHIBIT "B"

CITY'S REQUEST FOR PROPOSALS (RFP)

PROJECT NAME

DATED: _____, 2025

ATTACHMENT 5

CTFP PROJECT P GRANT APPLICATION

CITY OF LAGUNA HILLS

October 22, 2024

Stephanie Mooney
Orange County Transportation Authority
550 South Main Street
P.O. Box 14184
Orange, California 92863-1584

Subject: **2025 CTFP Call for Projects – Regional Traffic Signal Synchronization Program (Project P)**
City of Laguna Hills – Avenida de la Carlota Corridor

Dear Ms. Mooney,

The City of Laguna Hills is pleased to submit our application for the ***Avenida de la Carlota Corridor*** for review and consideration under the 2025 CTFP Call for Projects. This project seeks funding for equipment upgrades and the installation of a new fiber optic communication system, along with two years of maintenance, for eight signalized intersections along the 2.18-mile arterial route. The project is scheduled to commence in Fiscal Year (FY) 2025/26. The project scope includes the City's participation in the Countywide Baseline Study for collection of data and development of timing strategies relating to seven of the eligible City signals.

We appreciate the opportunity to participate in this process and look forward to continuing success in the call for projects. Should you or your staff have any questions or require additional information, please feel free to contact me by email at james@lagunahillsCA.gov or by phone at (949) 707-2655.

Sincerely,

Joe Ames, P.E., T.E.
Public Works Director / City Engineer

Enclosures

OCTA Orange County Transportation Authority

APPLICATION NUMBER:		CTFP TOTAL ALLOCATIONS:	$599,996.02	TOTAL PROJECT COST	$749,995.02
PROJECT ID:	CP--3697	CTFP TOTAL PAYMENTS:	$0.00	MATCH RATE	0.00
VERSION:	1	STATUS:	Planned	BOARD APPROVAL DATE	

LAST MODIFIED BY: Shirley Land (10/22/2024) APPROVED BY: N/A HISTORY

PERFORMANCE MEASURES

PROJECT INFORMATION

IMPROVEMENT TYPE: TSSP - Traffic Signal Synchronization Program

IMPLEMENTING AGENCY: Laguna Hills, City of

CONG DISTRICT	SUP DISTRICT	SENATE DISTRICT	ASSEMBLY DISTRICT
45	5	36	73

PROJECT MANAGER: Joe Ames | PHONE (10-DIGIT): 9497072655 | EMAIL: james@lagunahillsca.gov

PROJECT TITLE: Avenida de Carlota

PROJECT DESCRIPTION - GUIDELINES

Corridor improvements of 8 intersections with the installation of new signal controllers(4), CCTV (7), and fiber optic network to the Traffic Management Center. Work includes coordination with Countywide Baseline Study for data collection and timing strategy implementation.

SYSTEM	ROUTE	INTERSECTION	LOCAL STREET NAME	FROM	TO	
Local Street		NO	Avenida de Carlota	Lake Forest Drive	Los Alisos Boulevard	MAP

GENERAL QUESTIONS

CTFP QUESTIONS

Is this application on your current approved measure M2 CIP? NO

Has your agency previously received CTFP funding for this Application? NO

If Yes, When? If No, Type N/A: N/A

Project ID? N/A

Is this on agency's LOCAL SYNCHRONIZATION PLAN? YES

** TSSP PROGRAM RULES:
** If Project is TSSP Program, it should be 20% MINIMUM Match

PROGRAMMING INFORMATION ($0)

[HISTORICAL REVENUES] [GRAPH REVENUES]

Please enter all funding required for the total project for all years. Note: This 2025 Call for Projects will allocate M2 funds for FY25/26,FY26/27,FY27/28 only.

** Minimum match for local funds is 20% ** ** Actual Local Agency Match Rate is 20% **

FISCAL YEAR	FUND TYPE (PROGRAMMED REVENUE SOURCE)	IMP	O&M	TOTAL	
25/26	Traffic Signal Sync Program (TSSP)	$580,412.02	$19,584.00	599,996.02	X
25/26	Other	$145,103.00	$4,896.00	$149,999	X
				$0	
				$0	
				$0	
				$0	
				$0	
	Traffic Signal Sync Program (TSSP)	580,412.02	$19,584	599,996.02	
	Other	$145,103	$4,896	$149,999	
Update Subtotals	GRAND TOTAL	725,515.02	$24,480	749,995.02	

SCHEDULE INFORMATION

	SCHEDULED START MONTH	SCHEDULED START YEAR	SCHEDULED COMPLETION MONTH	SCHEDULED COMPLETION YEAR	STATUS	CONTRACT AWARD/NOTICE TO PROCEED DATE	ACTUAL COMPLETION	FINAL REPORT SUBMITTAL	EXPENDITURE EXTENSION DEADLINE
IMP	JAN	2026	DEC	2026	Planned				
O&M	JAN	2027	DEC	2028	Planned				

PERFORMANCE MEASURES

PERFORMANCE MEASURES

☑ **All Performance Metrics have been added. (2/2)**

TYPE OF REQUEST

☐ NONE ☐ DELAY ☐ ADVANCE ☐ TRANSFER ☐ CANCELLATION ☐ SCOPE CHANGE ☐ FUNDS EXTENSION

PROJECT ADJUSTMENTS

LINK	BOARD APPROVAL DATE	PHASE	ACTION	FY	AMOUNT	COMMENT
PDF						
PDF						
PDF						

[ADD NEW ROW]

JUSTIFICATION - LAST UPDATED: 10/16/2024 -

ENTER SCORING DATA

MARK ON MAP

Please Mark on Map before submitting. If marked on map, click Save. If there is a pop-up window, please click No

Save for Later Save and Submit to OCTA PRINT

CONTACT OCTA 2.55s EMAIL OCFUNDTRACKERHELP@ECOINTERACTIVE.COM

%>

OCTA Orange County Transportation Authority

PROJECT RANKING

AGENCY: Laguna Hills, City of
TITLE: Avenida de Carlota

TSSP - Traffic Signal Synchronization Program

		POINT(S)
Transportation Significance		
Vehicle Miles Traveled (VMT)	25088	0
Percent Inclusion of Offset Signals Within 2700'	100	10
Transportation Significance Score		10
Jurisdictions		
Total Number of Involved Jurisdictions	1	0
Jurisdictions Score		0
Project Scale		
Percent of Main Corridor Signals Being Retimed	100	10
Number of Signals on Main Corridor Being Retimed	8	0
Project Scale Score		10
Economic Effectiveness		
Total Project Cost/MT	749995.02 (Total Project Cost) / 25088 (ADT) = 30	1
Economic Effectiveness Score		1
Project Characteristics		
Project Average Improvement Score Range	27.8	10
Project Characteristics Score		10
Current Project Status		
Project Status	Re-timing 75% of previous project ☐ Timing of 75% of new eligible project ☑	5
Current Project Status Score		5
Funding Match		
Funding Match		0
Funding Match Score		0

SAVE RANKING CLOSE WINDOW PRINT

TOTAL POINTS: 36

FY 2025 Call for Projects

Regional Traffic Signal Synchronization Program

Project P

Supplemental Application

Avenida de la Carlota Corridor

10/24/2024
Application Deadline

Project Overview

Length of Corridor (mi):	2.2
Number of signals:	8
Total Project Cost:	$749,995.02
M2 funds requested:	$599,996.02
Total Match:	$149,999.00
Cash Match:	*$149,999.00*
In-kind Match:	*$0.00*
Participating Agencies:	Laguna Hills

Applicant Agency: City of Laguna Hills

Contact Name: Joe Ames

Contact Number: 949-707-2655

Contact Email: james@lagunahillsca.gov

Project P Regional Traffic Signal Synchronization Program
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RTSSP Online Application – submitted through OCFundTracker	
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b. Economic Effectiveness	
c. Project Characteristics	
d. Project Scale	
e. Number of Jurisdictions	
f. Current Project Status	
g. Funding Match	
h. Cabinet photos, equipment specifications, as-built drawings, cabinet drawings, etc.	Online only
Section 1: Key Technical Information	
a. Name of Project Corridor/Grid/Route	1
b. Project Limits	1
c. Project Length	1
d. Number of Signalized Intersections Along Corridor	1
e. Participating Agencies/Traffic Forum Members	1
f. Lead Agency	1
g. Designation of the corridor to synchronize	1
h. Project Start and End Date	1
i. Previous funding	1
j. Contact Information	1
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SECTION 1: KEY TECHNICAL INFORMATION

a. Project **Corridor**
Avenida de la Carlota Corridor

b. Project Limits:
from **Lake Forest Drive** to **Los Alisos Boulevard**

c. Project Length (*miles*):
2.18

d. Number of signalized intersections along the corridor (include all Caltrans intersections):
8 number of signals on project corridor(s) **0** number of offset signals included in this project

e. Participating agencies / Traffic Forum Members (*including applicant agency*):

☐ Aliso Viejo	☐ Cypress	☐ La Habra	☐ Los Alamitos	☐ San Juan Capistrano
☐ Anaheim	☐ Dana Point	☐ La Palma	☐ Mission Viejo	☐ Santa Ana
☐ Brea	☐ Fountain Valley	☐ Laguna Beach	☐ Newport Beach	☐ Seal Beach
☐ Buena Park	☐ Fullerton	☑ Laguna Hills	☐ Orange	☐ Stanton
☐ Caltrans	☐ Garden Grove	☐ Laguna Niguel	☐ Placentia	☐ Tustin
☐ Costa Mesa	☐ Huntington Beach	☐ Laguna Woods	☐ Rancho Santa Margarita	☐ Villa Park
☐ County of Orange	☐ Irvine	☐ Lake Forest	☐ San Clemente	☐ Westminster
				☐ Yorba Linda

f. Lead Agency ☑ **Laguna Hills**

g. Is this project on either the Signal Synchronization Network or Master Plan of Arterial Highways?

◉ Yes ○ No

h. Project Start Date: **January 1, 2026** Project End Date: **December 31, 2028**

i. Project Status and Baseline Participation

Timing at least 75% of new eligible project

Yes, all applicant agencies and project signals are participating in the Countywide Baseline Project

j. Contact Information (Include name, title, agency, phone, email, and address)

Joe Ames, P.E., T.E. Public Works Director/City Engineer City of Laguna Hills 24035 El Toro Road Laguna Hills, CA 92653 949-707-2655	

k. Signalized intersections that are part of the project:

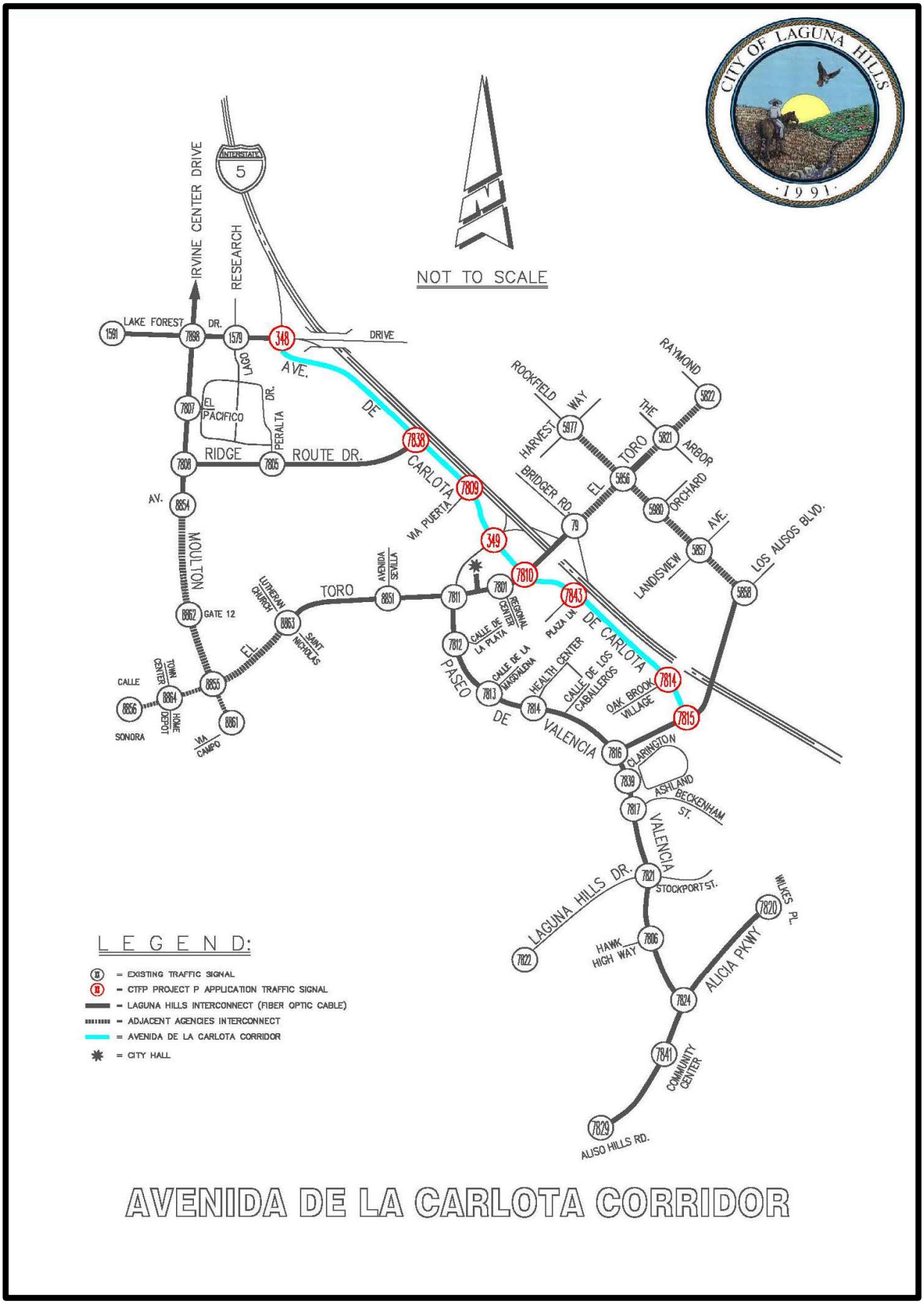
	Main Corridor	Cross Street
1	Avenida de Carlota/I-5 Ramp*	Lake Forest Drive
2	Avenida de Carlota	Ridge Route Drive
3	Avenida de Carlota	Via Puerta
4	Avenida de Carlota	Paseo de Valencia/I-5 Ramp
5	Avenida de Carlota	El Toro Road
6	Avenida de Carlota	Plaza Lane
7	Avenida de Carlota	Oak Brook Village
8	Avenida de Carlota	Los Alisos Boulevard

Legend

Laguna Hills

* Caltrans

m. Project Map Depicting the Project Limits and Offset Signals



SECTION 2: REGIONAL SIGNIFICANCE

Explain why this project is regionally significant:

Regional Significance of the Avenida de la Carlota Corridor Project

The Avenida de la Carlota Corridor in the City of Laguna Hills plays a vital role in enhancing traffic management and supporting regional mobility through the efficient connection of local destinations with Interstate 5 (I-5). This 2.18-mile secondary arterial, which features two travel lanes in each direction, single left turn lanes, and a painted median, includes 8 signalized intersections and serves a daily traffic volume of 9,000 to 14,000 vehicles. As a closely located I-5 parallel roadway, Avenida de la Carlota provides direct access to two I-5 freeway ramps, with a logical connection to a third ramp access on El Toro Road, making it instrumental in managing vehicles entering and exiting the freeway while serving as a key link between local destinations, including retail, business parks, hotels, residential, and the Laguna Hills Civic Center.

The project meets the eligibility criteria for the Regional Traffic Signal Synchronization Program (RTSSP) as a street segment that is part of the signal synchronization network and also covering the full length of the Master Plan of Arterial Highway (MPAH) corridor. Signal synchronization improvements will directly support the goals of ensuring smoother traffic flow, reducing travel times, and lowering vehicle emissions by minimizing idling at intersections. These improvements will contribute to overall sustainability efforts and enhance the quality of life for local residents and commuters.

Avenida de la Carlota offers critical local and regional connectivity and can serve as a strategic alternative route for I-5 overflow during peak traffic periods. The corridor's connections to key arterials, such as Lake Forest Drive, El Toro Road, and Los Alisos Boulevard, also provides valuable linkages to adjacent communities, including Lake Forest and Mission Viejo, making it an important route for commuters and regional traffic. The synchronization of signals along this corridor is essential for minimizing backups at the freeway ramps and ensuring efficient traffic transitions between I-5 and the local street network.

The importance of the Avenida de la Carlota Corridor is further amplified by its role in supporting emergency services. The corridor offers an alternate route for Orange County Fire Station No. 22, one of the busiest fire stations in the region. The existing corridor includes Emergency Vehicle Pre-emtion (EVP) devices, however optimizing signal timing along this corridor will minimize congestion delays and enable rapid response times for emergency vehicles, enhancing public safety for the surrounding communities.

Additionally, the planned redevelopment of the Laguna Hills Mall into a mixed-use and multi-family development is expected to restore higher traffic volumes along Avenida de la Carlota. The installation of new controllers (4), CCTV (7), and a fiber optic communication network to the Traffic Management Center (TMC) with the implemention of signal synchronization will ensure the corridor is prepared to accommodate future growth while maintaining efficient traffic operations. The improvements will not only benefit commuters but will also support regional economic activity by providing better access to commercial centers, retail establishments, and civic facilities.

The Avenida de la Carlota Corridor project is a critical infrastructure improvement for the City of Laguna Hills. The project aligns with RTSSMP goals and will enhance regional mobility, reduce congestion, and support future growth. Its position within the signal synchronization network, along with its connectivity to key arterials and the I-5, ensures that it will continue to serve as an essential route for both local and regional traffic, supporting sustainable transportation and improved quality of life for the community.

a. **PROJECT TASKS**

☑ **By checking this box, the Applicant Agency, on behalf of all the participating agencies, agree to the following tasks:**

Primary Implementation (PI) Phase, lasting approximately one year shall include the following:

Task 1: Project Management - PI Phase

This task is ongoing throughout the duration of the PI Phase of the project. It includes day-to-day project management, such as meetings, progress reports, tracking of schedules, tracking of cost by agency, invoicing, and overall administration of the PROJECT.

The following list is a minimum of what is required of this task:

- *A running record of project cost broken down by Participating Agency shall be part of this task. This information will be used by the Lead Agency to bill Participating Agencies for their respective project match.*
- *A running record of all scope changes and/or any deviations from the final approved application. This information will be used by the Lead Agency to request for Scope Changes at the Semi-Annual Review (SAR).*

Task 2: Data Collection and Field Review

This task shall include collecting seven-day, 24-hour machine counts, including vehicle and bike classifications, along each 1-mile segment of the corridor(s). The project shall also produce weekday and weekend peak period intersection turning movement (ITM) counts at every signalized intersection, including pedestrian and bicycle counts. ITM counts shall be conducted for two hours of each weekday peak period (AM, mid-day, and PM) and a single four-hour Saturday mid-day peak period. All counts shall be summarized in Microsoft Excel format. All data shall adhere to the CTFP Guidelines for data compatibility.

Data collection also includes field review of before and after conditions. The floating car method shall be utilized with software and GPS for the 'Before' Study to fine-tune the corridor operation and verify integrity of system intersection clocks. Synchronized Video shall be used to compare actual conditions to anticipated conditions dictated by the time-space diagram so that any anomalies may be corrected prior to the 'After' studies task.

Field review conducted as part of this task will document the existing conditions for all signal timing, infrastructure, and system improvements on the project. This includes pre-construction pictures for comparison during the post-construction walkthrough, should there be any questions or discrepancies noted by any parties. Data Collection and Field Review Memos shall be provided to all participating agencies.

☑ ***Check this box to indicate all agencies on this application will opt out of the data collection portion of Task 3 due to participation in the Countywide Baseline Project. A Before/After study is still required. A memorandum shall be submitted to indicate completion of this task.***

Task 3: System Design and Construction

The Lead Agency will hire a consultant(s), licensed contractor(s), and/or use city staff, or extension of staff, to design, procure, install, construct, and implement all desired components of the project as described in this application in accordance with the CTFP Guidelines.

All work and equipment supplied for the project shall comply and be done in accordance with the latest standards and provisions of each Participating Agency or latest approved California Department of Transportation (Caltrans) Standard Plans and Standard Specifications.

As-built plans shall be provided to match the improvements. This task is not complete until all participating agencies approve the improvements implemented in their jurisdiction.

Task 4: Signal Timing Optimization and Implementation

Synchronization will be inter-jurisdictional in nature. All existing traffic patterns, flows, and conditions will be taken into account. At a minimum, synchronized timing plans will be developed for a weekday AM, Mid-day, PM, and a Weekend peak period. Special generators such as schools and businesses along with cross street traffic will be considered as part of the project. Timing plans that will be developed will assist traffic in getting to its destination without regard to physical or jurisdictional boundaries.

The following list is a minimum of what is required of this task:

- *A review of the basic timing parameters*
- *Concept of Operations documenting the recommended coordination strategies (e.g. segments, cycle lengths, etc.) based on existing data collection and simulations*
- *Existing and Optimized simulation networks in Synchro (version 10) that is also shared with OCTA using the OCTA designated ID numbers*
- *Implementation and fine-tuning of proposed timing plans*

This task will not be complete until all participating agencies approve the new timing plans

☑ ***Check this box to indicate all agencies on this application (excluding Caltrans) will opt out of the Signal Timing Optimization and Implementation task (Task 4) due to participation in the Countywide Baseline Project. The Final PI Report shall still include a section on timing optimization and implementation from the Baseline Project.Task 4 for Caltrans signals is the responsibility of the applicant.***

Task 5: Final PI Report

A Final PI Report, with an executive summary, shall provide complete documentation of the project, including, but not limited to:

- *Project scope, objectives, locations, findings, and recommendations*
- *Data collected: counts, travel time studies, and project benefits achieved in terms of fuel savings, travel time, and other measurable parameters*
- *For each intersection: lane configurations, signal phasing, turning movement data, and cycle lengths for existing and proposed timings for all peak periods*
- *All work performed for system construction and signal timing optimization*
- *Implementation schedule and improvements accomplished, including dates*
- *Procedures for continuing maintenance, surveillance, and evaluation of the coordinated signal system*

The report shall document all planned and programmed improvements on the study corridor as well as recommendations based on PI tasks for further infrastructure improvements that would likely improve the corridor signal coordination project results. The report shall be completed in accordance with the current CTFP Guidelines.

Finally, the report shall provide recommendations with cost and benefit estimates for future improvements to traffic signal infrastructure (signal controllers, vehicle detection, communications, etc.), intersection capacity (appropriate signal phasing, lane geometrics, and alleviation of physical bottlenecks that curtail arterial capacity), and traffic management strategies. These proposed improvements should be useful in determining future enhancements to the corridor.

A Project Summary Sheet, one sheet front and back, that describes the project and improvements gained shall be provided to OCTA. This sheet will be used by OCTA and Participating Agencies to present to the Board and elected officials.

☑ ***By checking this box, the following additional PI task(s) and/or exceptions will be made:***
The City requests a waiver for data collection, timing development, and timing implementation for seven of the eight intersections, based on its participation in the Countywide Baseline Study. However, the Caltrans signal at Avenida de la Carlota/Lake Forest Drive is not eligible, so some funding is proposed in this applications to cover potential coordination with Caltrans. Additionally, the City of Laguna Hills is participating in the overlapping Lake Forest Drive corridor retiming and will review the proposed timing revisions in light of all related planned projects.

ONGOING OPERATIONS AND MAINTENANCE (O&M) PHASE, lasting approximately two (2) years, shall include the following:

Task 6: Project Management - O&M Phase
This task includes day-to-day project management, such as meetings, tracking of schedules, invoicing, and overall administration of the project. This task shall continue in full force as specified in the Primary Implementation Phase.

Task 7: Continuing Support
During this 24-month period, the signal timing along the corridor/route/grid shall be observed and fine-tuned. This task shall also include the monitoring, maintaining, and repair of detection and communication implemented as part of this project. Monthly drives shall be conducted along the length of the project during all designated corridor synchronization timing plan hours of operation in order to verify that the synchronization timing is working as designed and complete any necessary adjustments. This is followed by a monthly memorandum summarizing the status and trends of the corridor based on the runs conducted. Trip logs for the month shall be provided to the Participating Agencies. The memorandum shall include all additional tasks requested and completed during that month. Performance metrics comparisons from ATSPM, where available, shall also be included in the memorandum.

Task 8: Final O&M Report
At the end of the O&M Phase, a Final O&M Report documenting the Ongoing Operations and Maintenance efforts and procedures for continuing maintenance shall be prepared. At the minimum, the memorandum shall include when travel runs were conducted and issues and solutions throughout the phase. The memorandum shall document all planned and programmed improvements on the study corridor as well as recommendations for further infrastructure improvements that would likely improve the corridor signal coordination project results.

☐ ***By checking this box, the following additional O&M task(s) and/or exceptions will be made:***
<Insert Text>

b. **ENVIRONMENTAL CLEARANCE AND OTHER PERMITS**

☑ By checking this box, the Applicant Agency, on behalf of all the participating agencies, agree to obtain environmental clearance and other permits (if needed) for this project

c. **ACKNOWLEDGMENT OF MEETING CTFP GUIDELINES**

☑ By checking this box, the Applicant Agency, on behalf of all the participating agencies, certify that all current CTFP guidelines were met for this project.

SECTION 4: FUNDING NEEDS / COSTS FOR PROPOSED PROJECT BY TASK

a. Summary of Project Cost

Project Tasks	Total Cost
Task 1: Project Management - PI Phase	$ 14,400.00
Task 2: Data Collection	$ 2,000.00
Task 3: System Design and Construction	$ 697,115.02
Task 4: Signal Timing Optimization and Implementation	$ 4,000.00
Task 5: Project Report	$ 8,000.00
Task 6: Project Management - O&M Phase	$ 3,680.00
Task 7: Continuing Support	$ 16,000.00
Task 8: Final Technical Memorandum	$ 4,800.00
Total Project Cost:	**$ 749,995.02**

Match Commitment: **20%** *(minimum 20%)*

Total Project Cost (PI and O&M for a total of 3 years):

	Project Total
Total M2 Request:	*$ 599,996.02*
Total Agency Match:	*$ 149,999.00*
Total Project Cost:	**$ 749,995.02**

	PI Total
Total M2 Request for PI Phase:	*$ 580,412.02*
Total Agency Match for PI Phase:	*$ 145,103.00*
Total PI Cost:	**$ 725,515.02**

	O&M Total
Total M2 Request for O&M Phase:	*$ 19,584.00*
Total Agency Match for O&M Phase:	*$ 4,896.00*
Total O&M Cost:	**$ 24,480.00**

SECTION 4: FUNDING NEEDS / COSTS FOR PROPOSED PROJECT BY TASK

b. Summary of Cost by Agency

Laguna Hills

	Agency	Caltrans	Offset	Total
Number of Signals:	7	1	0	8

Project Tasks (Laguna Hills)	Cost / Int	Total Cost
Task 1: Project Management - PI Phase	$ 1,800.00	$ 14,400.00
Task 2: Data Collection	$ 2,000.00	$ 2,000.00
Task 3: System Design and Construction	-	$ 697,115.02
Task 4: Signal Timing Optimization and Implementation	$ 4,000.00	$ 4,000.00
Task 5: Project Report	$ 1,000.00	$ 8,000.00
Task 6: Project Management - O&M Phase	$ 460.00	$ 3,680.00
Task 7: Continuing Support	$ 2,000.00	$ 16,000.00
Task 8: Final Technical Memorandum	$ 600.00	$ 4,800.00

	M2 Requested	Match	Total Cost
PI	**$ 580,412.02**	**$ 145,103.00**	**$ 725,515.02**
O&M	**$ 19,584.00**	**$ 4,896.00**	**$ 24,480.00**

SECTION 4: FUNDING NEEDS / COSTS FOR PROPOSED PROJECT BY TASK

c. Summary of Intersection Improvement Costs

LOC.	AGENCY	PROJECT CROSS STREETS	TASK 3 IMPROVEMENT TOTALS			
			Design	Construction	TOTAL	Average Score
1	Laguna Hills	Lake Forest Drive	$ 5,490.00	$ 70,084.32	**$ 75,574.32**	23.3
2	Laguna Hills	Ridge Route Drive	$ 6,090.00	$ 74,970.32	**$ 81,060.32**	31.7
3	Laguna Hills	Via Puerta	$ 6,090.00	$ 74,970.32	**$ 81,060.32**	31.7
4	Laguna Hills	Paseo de Valencia/I-5 Ramp	$ 5,490.00	$ 67,584.32	**$ 73,074.32**	22.5
5	Laguna Hills	El Toro Road	$ 4,290.00	$ 52,812.32	**$ 57,102.32**	15.0
6	Laguna Hills	Plaza Lane	$ 6,090.00	$ 74,970.32	**$ 81,060.32**	31.7
7	Laguna Hills	Oak Brook Village	$ 6,090.00	$ 74,970.32	**$ 81,060.32**	31.7
8	Laguna Hills	Los Alisos Boulevard	$ 5,490.00	$ 67,584.32	**$ 73,074.32**	22.5
-	Laguna Hills	TMC Improvements	$ 7,066.00	$ 86,982.46	**$ 94,048.46**	40.0
				SIGNAL IMPROVEMENT TOTAL =	**$ 697,115.02**	**27.8**

SECTION 5: DETAILED LOCAL MATCH COMMITMENT

PART 1: AGENCY TOTAL MATCH SUMMARY

Agency	CASH		IN-KIND		TOTAL MATCH	
	PI	OMM	PI	OMM	PI	OMM
Laguna Hills	*$145,103.00*	*$4,896.00*	*$0.00*	*$0.00*	*$145,103.00*	*$4,896.00*
	$149,999.00		***$0.00***		***$149,999.00***	
TOTAL MATCH	***$145,103.00***	***$4,896.00***	***$0.00***	***$0.00***	***$145,103.00***	***$4,896.00***
	$149,999.00		***$0.00***		***$149,999.00***	

PART 2: MATCH BREAKDOWN (CASH vs IN-KIND SERVICES)

A. Cash Match

Agency	Funding Source	Amount of Cash Contribution
Laguna Hills	Other	$149,999.00
	TOTAL CASH MATCH:	$149,999.00

B. In-Kind Services

i. Specific Improvements (List items and Cost):

Agency	Description	Expenditure
Select a City		
	Total Specific Improvements (i):	$0.00

ii. Staffing Commitment:

Agency	Staff Position	Type of Service to Project	No. of Hours	Fully Burdened Hourly Rate	Total*
Select a City					$0.00
					$0.00
				Total for City of Select a City:	*$0.00*
				Total Staffing Commitment (ii):	*$0.00*

TOTAL IN-KIND MATCH* (i + ii):	$0.00

*Total amount is the required participation by the identified agency. The number of hours and hourly rate will be based on each agency's actual fully burdened billing rates, which must collectively equal the same value of the assigned "Total" dollars. Each agency will be responsible for keeping detailed records of hours worked and description of work. An accounting record of personnel, hours at fully burdened rate shall be included with the in-kind report submittals. Records will be subject to auditing. In-kind match can be converted to Cash Match, but Cash Match cannot be converted to in-kind match.

SECTION 6: PROJECT SCHEDULE BY TASK

a. Projected Start and End Dates:

Project start date: January 1, 2026

Project end date: December 31, 2028

b. Projected Schedule by Task

Task	Starting Date	Ending Date
Task 1: Project Management - PI Phase	January 1, 2026	December 31, 2028
Task 2: Data Collection	January 1, 2026	December 31, 2028
Task 3: System Design and Construction	January 1, 2026	December 31, 2026
Task 4: Signal Timing Optimization and Implementation	January 1, 2026	December 31, 2028
Task 5: Project Report	January 1, 2026	December 31, 2026
Task 6: Project Management - O&M Phase	January 1, 2027	December 31, 2028
Task 7: Continuing Support	January 1, 2027	December 31, 2028
Task 8: Final Technical Memorandum	October 1, 2028	December 31, 2028

Appendix A
CALCULATIONS AND ESTIMATED POINTS

APPENDIX A: CALCULATIONS AND ESTIMATED POINTS

Criteria (Max Points)	Estimated Points
1. Transportation Significance (25 points) Yes, all agencies are participating in the Countywide Baseline Project Inclusion of offset signals on MPAH w/in 2,700' # of offset signals on project / total # of offset signals: 0 / 0 = 100.0% = 10 Vehicle Miles Traveled (VMT): 25,088 = 1	11
2. Economic Effectiveness (Cost to Benefit Ratio): (10 points) Calculation for Total Project Cost / VMT = $749,995 / 25,088 = 29.89	1
3. Project Characteristics: (20 points) Average project improvement score = 27.8	10
4. Project Scale: (20 points) # of signals along entire length of corridor(s): 8 = 0 # of signals being synched / total # of corridor signals: 8 / 8 = 100.0% = 10	10
5. Number of Jurisdictions: (15 points) 1 Participating Jurisdiction(s)	0
6. Current Project Status (5 points) Timing at least 75% of new eligible project = 5	5
7. Funding Match: (5 points) $149,999.00 / $749,995.02 = 20.00%	0
Total Estimated Points:	**37**

Appendix B

AGENCY IMPROVEMENT CALCULATIONS

TABLE I: AGENCY IMPROVEMENT PREFERENCES

☐ Yes ☑ No

CATEGORIES	ID	ITEM DESCRIPTION	UNIT PRICE (MATERIAL + LABOR)	APPLICABLE DESIGN COST	VENDOR/BRAND & ADDITIONAL NOTES
			Laguna Hills	Laguna Hills	Laguna Hills
Comm	2	Fiber Optic underground	$42,902	$4,290	Install 3" conduits with Pull boxes, Remove Existing twisted wire pairs (TWP), Install Single Mode Fiber Optic Cable, Ethernet Switch, Fiber Patch Panel, and Splice Enclosure
Field Elements	4	ATC signal controller	$6,000	$600	Econolite Cobalt with EOS Software
	10	CCTV	$12,000	$1,200	Bosch MIC 7100i Pan-Tilt-Zoom Starlight
TMC/TOC	27	Central System (server, licenses, workstations)	$70,660	$7,066	Install 1 each 1Gb Traffic Management Center switch, Install new conduit to City Hall, and installl Single Mode Fiber Optic Cable fiber/splice to patch panel
Caltrans	34	Caltrans Cooperative Agreement	$2,500		

TABLE II: DESCRIPTION OF WORK BY INTERSECTION

LOCATION	IMPLEMENTING AGENCY	PROJECT CROSS STREETS	DESCRIPTION OF WORK					SIGNAL IMPROVEMENT COSTS						NOTES
			Fiber Optic underground	ATC signal controller	CCTV	Central System (server, licenses, workstations)	Caltrans Cooperative Agreement	Design	Construction	Construction Management & Inspection	Contingency	Caltrans Cooperative Agreement Fees ($2,500)	TOTAL	
			2	4	10	27	34			10%	10%			
1	Laguna Hills	Lake Forest Drive	1		1		1	$ 5,490.00	$ 54,902.00	$ 6,039.20	$ 6,643.12	$ 2,500.00	**$ 75,574.32**	This is a Caltrans I-5 ramp signal w/ 2070 Controller. City has access
2	Laguna Hills	Ridge Route Drive	1	1	1			$ 6,090.00	$ 60,902.00	$ 6,699.20	$ 7,369.12	$ -	**$ 81,060.32**	Existing Econolite ASC2 - Provide new ATC, CCTV, and fiber network
3	Laguna Hills	Via Puerta	1	1	1			$ 6,090.00	$ 60,902.00	$ 6,699.20	$ 7,369.12	$ -	**$ 81,060.32**	Existing Econolite ASC2 - Provide new ATC, CCTV, and fiber network
4	Laguna Hills	Paseo de Valencia/I-5 Ramp	1		1			$ 5,490.00	$ 54,902.00	$ 6,039.20	$ 6,643.12	$ -	**$ 73,074.32**	Existing Econolite Cobalt - Provide CCTV and fiber network City signal - I-5 Ramp
5	Laguna Hills	El Toro Road	1					$ 4,290.00	$ 42,902.00	$ 4,719.20	$ 5,191.12	$ -	**$ 57,102.32**	Existing Econolite Cobalt - Provide fiber network
6	Laguna Hills	Plaza Lane	1	1	1			$ 6,090.00	$ 60,902.00	$ 6,699.20	$ 7,369.12	$ -	**$ 81,060.32**	Existing Econolite ASC3 - Provide new ATC, CCTV, and fiber network
7	Laguna Hills	Oak Brook Village	1	1	1			$ 6,090.00	$ 60,902.00	$ 6,699.20	$ 7,369.12	$ -	**$ 81,060.32**	Existing Econolite ASC3 - Provide new ATC, CCTV, and fiber network
8	Laguna Hills	Los Alisos Boulevard	1		1			$ 5,490.00	$ 54,902.00	$ 6,039.20	$ 6,643.12	$ -	**$ 73,074.32**	Existing Econolite Cobalt - Provide CCTV and fiber network
-	Laguna Hills	TMC Improvements				1		$ 7,066.00	$ 70,660.00	$ 7,772.60	$ 8,549.86	$ -	**$ 94,048.46**	See Appendix E
		QUANTITY TOTAL =	**8**	**4**	**7**	**1**	**1**	**SIGNAL IMPROVEMENT TOTAL =**					**$ 697,115.02**	

TABLE III: PROJECT AVERAGE IMPROVEMENT SCORES

LOCATION	IMPLEMENTING AGENCY	PROJECT CROSS STREETS	DESCRIPTION OF WORK					AVERAGE IMPROVEMENT SCORE	NOTES
			Fiber Optic underground	ATC signal controller	CCTV	Central System (server, licenses, workstations)	Caltrans Cooperative Agreement		
			ne Sou	Years or Within		0+ or <	Y/N		
1	Laguna Hills	Lake Forest Drive	15		30		25	23.3	Coordinating with other projects. Will install fiber to intersection on Avenida de Carlota
2	Laguna Hills	Ridge Route Drive	15	50	30			31.7	
3	Laguna Hills	Via Puerta	15	50	30			31.7	
4	Laguna Hills	Paseo de Valencia/I-5 Ramp	15		30			22.5	
5	Laguna Hills	El Toro Road	15					15.0	
6	Laguna Hills	Plaza Lane	15	50	30			31.7	
7	Laguna Hills	Oak Brook Village	15	50	30			31.7	
8	Laguna Hills	Los Alisos Boulevard	15		30			22.5	
-	Laguna Hills	TMC Improvements				40		40.0	
							AVERAGE SCORE =	27.8	

Appendix C

VEHICLE MILES TRAVELED (VMT)

APPENDIX C: VEHICLE MILES TRAVELED (VMT)

	Segment	ADTs	Distance	VMT
	Avenida De Carlota - Lake Forest to Ridge Route	9,296	0.71	6,600
	Avenida De Carlota - Ridge Route to El Toro	13,765	0.71	9,773
	Avenida De Carlota - El Toro to Los Alisos	11,467	0.76	8,715
		Total Project VMT:	**2.18**	**25,088**

Source: City of Laguna Hills - 2024 ADT Counts - 10/2/2024

Appendix D

AGENCY RESOLUTIONS AND LETTERS OF SUPPORT

DRAFT

RESOLUTION NO. 2024-XX-XX-X

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, APPROVING THE SUBMITTAL OF A GRANT APPLICATION TO THE ORANGE COUNTY TRANSPORTATION AUTHORITY FOR FUNDING UNDER THE COMPREHENSIVE TRANSPORTATION FUNDING PROGRAMS

The City Council of the City of Laguna Hills, California, hereby finds, determines, declares, and resolves as follows:

WHEREAS, the City of Laguna Hills desires to implement the transportation improvements listed below; and

- Traffic Signal Improvements on Avenida de la Carlota from Lake Forest Drive to Los Alisos Boulevard including new controllers, CCTV, traffic signal fiber optics communication system.

WHEREAS, the City of Laguna Hills has been declared by the Orange County Transportation Authority to meet the eligibility requirements to receive revenues as part of Measure M2; and

WHEREAS, the City of Laguna Hills must include all projects funded by Net Revenues in the seven-year Capital Improvement Program as part of the Measure M2 Ordinance eligibility requirement; and

WHEREAS, the CITY of Laguna Hills authorizes a formal amendment to the seven-year Capital Improvement Program to add projects approved for funding upon approval from the Orange County Transportation Authority Board of Directors, if necessary; and

WHEREAS, the City of Laguna Hills will provide matching funds for each project as required by the Orange County Comprehensive Transportation Funding Procedures Manual; and

WHEREAS, the City of Laguna Hills will not use Measure M2 funds to supplant Developer Fees or other commitments; and

WHEREAS, the Measure M2 Regional Traffic Signal Synchronization Program targets over 2,000 signalized intersections across Orange County to maintain traffic signal synchronization, improve traffic flow, and reduce congestion across jurisdictions; and

WHEREAS, the City of Laguna Hills has currently adopted a Local Signal Synchronization Plan consistent with the Regional Traffic Signal Synchronization Master Plan as a key component of local agencies' efforts to synchronizing traffic signals across local agencies' boundaries; and

WHEREAS, the City of Laguna Hills desires to implement signal synchronization listed below.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The City Manager is hereby authorized to submit or support applications to the Orange County Transportation Authority to allocate funds in the amounts specified in the City's applications from the Comprehensive Transportation Funding Programs. Said funds shall be matched by funds from the City of Laguna Hills as required and shall be used as supplemental funding to aid the City of Laguna Hills in the implementation of the following improvement project:

- Avenida de la Carlota Corridor

SECTION 2. The City Council of the City of Laguna Hills delegates signature authority to the City Manager, or his designee, to facilitate the delivery of the projects.

PASSED, APPROVED, AND ADOPTED this day of XX day of November, 2024.

_____
, MAYOR

ATTEST:

_____
, CITY CLERK

Appendix E

ADDITIONAL INFORMATION

Item Description	Unit	Qty	Unit Price	Total
Furnish and install new digital CCTV camera complete. Reuse existing cables and mounting hardware if possible.	EA	7	$ 12,000	$ 84,000
Furnish and install new Econolite Cobalt controller with EOS software	EA	4	$ 6,000	$ 24,000
Remove existing switch. Furnish and install new Actelis ML680DF/ML698E with hardened power supply and 2 ea 1 Gb SFP's.	EA	8	$ 4,000	$ 32,000
Install 3" schedule 80 PVC conduit	LF	7,280	$ 30	$ 218,400
Remove any existing interconnect. Furnish and install 72 SMFO fiber optic cable	LF	12,675	$ 5	$ 63,375
Furnish and install fiber optic patch panel in controller cabinet	EA	8	$ 200	$ 1,600
Furnish and install fiber optic cable splice hub in new 6E pullbox	EA	8	$ 500	$ 4,000
Furnish and install 12SMFO fiber optic cable between splice hub	LF	160	$ 4	$ 640
Install type 6E pull boxes	EA	29	$ 800	$ 23,200
TMC - Install Additional Ethernet Switch at City Hall	EA	1	$ 15,000	$ 15,000
TMC - Install Conduit - Street to City Hall TMC	LF	1,000	$ 40	$ 40,000
TMC - Install 72 SMFO Cable from pullbox to TMC Patch Panel	LF	1,212	$ 5	$ 6,060
System Integration	LS	1	$ 9,600	$ 9,600
Laguna Hills - General Comm Improvements Total			**$**	**521,875**
Estimated Unit Price for Fiber Optic Underground *			**$**	**42,902**
Estimated Unit Price for TMC Upgrades			**$**	**70,660**
***For the applicaion purposes, Unit Price was driven by average of 8 locations with fiber optic improvement**				

CITY OF LAGUNA HILLS

October 14, 2025

SUBJECT: Addendum No. 1 to RFP for Regional Traffic Signal Synchronization Program for Avenida De La Carlota Corridor Project

To All Consultants:

This Addendum No. 1 is being issued for the subject RFP.

Listed below are the questions received by the City (as of October 10, 2025 at 5:00 p.m.) and the City's responses:

Questions and Responses:

1. Which version of Synchro, 11.0 or 12.0, would the City like the consultant to build the corridor's network on?

   Response: As indicated in the RFP, signal timing is not part of the scope of work as the signals will be timed as part of OCTA's Countywide Baseline Project; however, coordination with said project is required and we believe OCTA is using Synchro 12.0 for the Countywide Baseline Project.

2. Does the City require subconsultants to complete Non-Collusion Affidavit, or Certification of the Proposal?

   Response: No.

3. Who's going to prepare and submit the close-out documentation to be submitted to OCTA?

   Response: The City's Project Management Consultant will prepare and submit the OCTA close-out documentation, although the Design Consultant is expected to assist by providing information as necessary.

4. Per the City's recent agreements with consultants on similar projects, will the City "Intentionally Omit" Section 5.2D1 ("Contractual Liability") from the Professional Services Agreement?

   Response: No.

5. Will the City allow 11x17 exhibits?

   Response: Yes, in the form of 8.5 x 11 "tri-folds".

6. On Page 16 of the RFP states that we should include "a complete list of all previous and current clients" separately as part of the resume contents. Please clarify whether this client list should be presented on a separate page from the other resume contents (name, position, education, summary of experience, and professional memberships/registrations/licensure/certifications). If this is the case, will the City exclude resumes and client lists from the 30-page-limit?

   Response: Yes to both questions.

7. Page 8 of the RFP states that the Proposer “shall provide a current power of attorney, articles of incorporation, or other instrument confirming the agent’s authority to bind the Proposer.” Will the City include this in their desired 30-page-limit?

   Response: This documentation will be excluded from the 30-page limit.

8. Please clarify if the following items can be excluded from page count:

   - Front and back cover pages;
   - Tabular or dividing pages;
   - Table of contents and indexes;
   - City required forms/attachments (as the RFP already stated)
   - Lists of clients and contracts requested (under Section B - Company Data)
   - Resumes

   Response: Yes, and as the fee proposal is to be submitted in a separate, sealed envelope as described in the RFP, this would also be excluded from the page count.

The deadline has now passed for questions regarding this RFP.

Sincerely,

Joe Ames, P.E., T.E.
Interim City Manager/Director of Public Works

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To:
From: Joe Ames, Assistant City Manager
Issue: Proposed Resolution Implementing a Residential Permit Parking Program for Streets Around Beckenham Park (Camberwell Street, Hendon Street, Calle Carmel, Via Balboa, Avenida Avalon, Luton Street, and Costeau Street)

Recommendation: That the City Council: 1. Find and determine that the proposed permit parking controls are not subject to the California Environmental Quality Act pursuant to Sections 15060(c)(2) (the activity will not result in a direct or reasonably foreseeable indirect physical change in the environment) and 15060(c)(3) (the activity is not a project as defined in Section 15378) of the CEQA Guidelines, Cal. Code of Regs, Title 14, Chapter 3, because it has no potential for resulting in physical change to the environment, directly or indirectly; 2. Adopt a Resolution entitled, "A Resolution of the City Council of the City of Laguna Hills, California, Establishing a Residential Permit Parking Area and a No Parking Zone During Days and Hours of Street Sweeping on Certain Streets around Beckenham Park;" 3. Receive and file a presentation from City staff regarding the costs and steps required to implement alternating side street sweeping, subsidize residential parking permits citywide, and process to petition for additional permit parking areas; 4. Direct City staff and Police Services to send educational notification letters to residents within the newly established residential permit parking area and to conduct a warning period for enforcement; and 5. Direct City staff to return to City Council in approximately six months with a staff report reviewing the effects of residential permit parking around Beckenham Park.

Background:

At the August 25, 2026, City Council meeting, City Council received a presentation from City staff on the results of ballot-petitions received regarding

the establishment of proposed residential permit parking areas for Camberwell Street, Hendon Street, Calle Carmel, Via Balboa, Avenida Avalon, Luton Street, Costeau Street, Salford Street, Derby Circle, York Circle, Sunset Place West, Sunset Place East, and Sunset Place.

To designate a neighborhood as a permit parking area within the City of Laguna Hills, the Laguna Hills Municipal Code requires that a City-created petition form be submitted to the City and with the signatures of at least sixty-seven (67%) percent of the property owners supporting the proposed permit parking area.

The Sunset Place neighborhood property owners (Sunset Place West, Sunset Place East and/or Sunset Place) returned 39 ballot-petitions in favor of establishing a residential permit parking area resulting in only a 57% approval rate (39 of 68 residences sent in ballot-petitions to the City by the July 15 deadline).

Property owners on Camberwell Street, Hendon Street, Calle Carmel, Via Balboa, Avenida Avalon, Luton Street, Costeau Street, Salford Street, Derby Circle, and York Circle, returned ballot-petitions as follows (number of ballot-petitions vs. number of residences on the street):

- Avenida Avalon: 1 of 6
- Calle Carmel: 10 of 14
- Camberwell Street: 11 of 30
- Costeau Street: 13 of 25
- Derby Circle: 11 of 22
- Hendon Street: 30 of 57
- Luton Street: 13 of 15
- Salford Street: 10 of 30
- Via Balboa: 8 of 11
- Wilkes Place: 1 of 4
- York Circle: 7 of 25

Total: 115 of 239 (or 48.1%)

While the ballot-petitions received does not allow for the entirety of all above listed streets to be included in a proposed residential permit parking area because the area, as a whole, did not reach the 67% threshold, there are several streets (or portions of streets) where the majority of the property owners desire permit parking ("majority interest streets"). Some of these majority interest streets are contiguous with one another such that a logical, clearly defined boundary can be implemented for permit parking. Additionally, because the

percentage of some majority interest streets are much higher than 67%, those streets can be combined with lower percentage interest streets to create district boundaries where 67%+ is kept.

City staff presented City Council with five different potential permit parking district boundaries for consideration by the City Council, where the boundaries mathematically include 67% or more of the property owners requesting permit parking.

At the recommendation of the City Engineer during the Council Meeting, the City Council directed City staff to prepare a Resolution that will allow for the establishment of a new residential permit parking area for streets around Beckenham Park based on the "Combination 5A" map, attached.

Now, City staff recommends that City Council adopt the proposed Resolution that will establish a new residential permit parking area for streets around Beckenham Park.

In addition, at the August 25, 2026, City Council meeting, the City Council requested the following be brought back to City Council on these related topics:

1. The requirements to implement alternating side street sweeping;
2. The subsidies needed to waive residential permit parking fees citywide;
3. The ability to monitor displaced parking and the process that would allow residents to petition for additional permit parking areas;
4. The efficacy of providing additional parking on the north side of Laguna Hills Drive;
5. The ability to provide resident education and a warning period prior to the enforcement of the proposed permit parking area; and
6. The ability for City staff to return to City Council in six months with a report that reviews how well the proposed permit parking area is working.

As part of the Assistant City Engineer's oral presentation during this item on September 8, 2026, the Assistant City Engineer will address items 1 and 3, above. Not all information was available at the time of agenda report publication. Item 2 is analyzed in the Fiscal Impact section, below. Item 4 appears as a separate agenda item on the September 8, 2026 agenda. Regarding items 5 and 6, upon direction from City Council in the form of the recommended action above, City staff and Police Services will be able to fulfill those requests.

Fiscal Impact:

The estimated cost to install street signage and send mailings necessary to

implement any of these proposed permit parking districts is approximately $10,000.

The permit parking program, as a whole, will cost the City approximately $32,500 per year plus approximately $17.50 per vehicle-assigned or guest parking permit issued by Dataticket. Permits are issued as annual permits. Assuming 1,500 permits are issued per year, the total cost of the current permit parking program is approximately $58,750 per year. Parking permit annual fees were recently increased to $25 each with the adoption of the newest City fee schedule. Therefore, under the current fee structure and based on 1,500 permits being issued annually, the anticipated annual net cost of the permit parking program to the City is $21,250 ($58,750 total program cost minus $37,500 estimated permit fee revenue). Thus, the estimated cost to waive parking permit fees for all residents citywide is $37,500, which correlates with the estimated permit fee revenue.

Attachments:

1. Proposed Beckenham Park Neighborhood Permit Parking
2. Proposed Parking Permit Area Map - "Combination 5A"

RESOLUTION NO. 2026-09-08-X

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, ESTABLISHING A RESIDENTIAL PARKING PERMIT AREA AND A NO PARKING ZONE DURING DAYS AND HOURS OF STREET SWEEPING ON CERTAIN STREETS AROUND BECKENHAM PARK

The City Council of the City of Laguna Hills, California, hereby finds, determines, declares, and resolves as follows:

WHEREAS, Vehicle Code Section 22507, subdivision (a), authorizes the City to establish preferential parking privileges on public streets and to adopt provisions that are reasonable and necessary to ensure the effectiveness of the preferential parking program; and

WHEREAS, Vehicle Code Section 22507, subdivision (b), authorizes the City to establish preferential parking permits for the benefit of designated groups on specified streets if the City determines that the use of the permits will not adversely affect parking conditions for residents and merchants in the area; and

WHEREAS, Chapter 11-24 of the Laguna Hills Municipal Code, entitled “Residential Parking Permit Program,” establishes the City’s residential parking permit program in order to regulate and effectively manage residential curb parking at locations at which a high demand for parking on residential streets has been determined by the City Council to be averse to the health, safety, welfare, and interest of the adjoining residential property owners; and

WHEREAS, in addition the establishment of no parking zones during days and hours of street sweeping improves traffic circulation, community aesthetics, and furthers the City’s goal of achieving improved water quality; and

WHEREAS, it has been determined by City staff that the establishment of a Residential Permit Parking Area and a No Parking Zone during days and hours of street sweeping on certain streets around Beckenham Park (hereinafter “Beckenham Park Neighborhood”), specifically consisting of the following streets: (1) south side of Wilkes Place (24982 – 24952 Wilkes Street); (2) Costeau Street (from Camberwell Street to Hendon Street); (3) Camberwell Street (from Wilkes Street/Costeau Street to Hendon Street); (4) Luton Street; (5) Via Balboa; (6) Calle Carmel; (7) Avenida Avalon (in front of 24901 and 24911 Avenida Avalon only); and (8) Hendon Street (from Calle Carmel to the northeast knuckle of the street inclusive of and ending at the frontage of 24975 Hendon Street and 24952 Hendon Street), for the benefit of the residents in the neighborhood is necessary in order to alleviate adverse parking conditions in the area and to improve traffic circulation, community aesthetics, and to further the City’s goal of achieving improved water quality; and

WHEREAS, pursuant to Vehicle Code Section 22507, the parking of any type of vehicle on certain streets or highways may be prohibited or restricted by a general law city, during all or certain hours of a day, where signs or markings giving adequate notice of such regulations have been placed.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The foregoing recitals are true and correct and are incorporated herein by reference.

SECTION 2. The high demand for parking on certain streets in the Alicia Place residential neighborhood, specifically consisting of the following streets: (1) south side of Wilkes Place (24982 – 24952 Wilkes Street); (2) Costeau Street (from Camberwell Street to Hendon Street); (3) Camberwell Street (from Wilkes Street/Costeau Street to Hendon Street); (4) Luton Street; (5) Via Balboa; (6) Calle Carmel; (7) Avenida Avalon (in front of 24901 and 24911 Avenida Avalon only); and (8) Hendon Street (from Calle Carmel to the northeast knuckle of the street inclusive of and ending at the frontage of 24975 Hendon Street and 24952 Hendon Street), is hereby determined to be adverse to the health, safety, welfare, and interest of the adjoining residential property owners.

SECTION 3. In order to regulate and effectively manage residential curb parking at locations at which a high demand for parking on residential streets has been determined, a Residential Permit Parking Area consisting of no overnight parking between the hours of 10:00 p.m. and 6:00 a.m. without a parking permit is hereby established on certain streets in the Alicia Place residential neighborhood, specifically consisting of the following streets: (1) south side of Wilkes Place (24982 – 24952 Wilkes Street); (2) Costeau Street (from Camberwell Street to Hendon Street); (3) Camberwell Street (from Wilkes Street/Costeau Street to Hendon Street); (4) Luton Street; (5) Via Balboa; (6) Calle Carmel; (7) Avenida Avalon (in front of 24901 and 24911 Avenida Avalon only); and (8) Hendon Street (from Calle Carmel to the northeast knuckle of the street inclusive of and ending at the frontage of 24975 Hendon Street and 24952 Hendon Street) for the benefit of the residents on these streets.

SECTION 4. As determined by the City Engineer and the Traffic Commission, the City Council hereby finds that the use of the preferential Residential Parking Permit Program established herein will not adversely affect parking conditions for residents and merchants in the area.

SECTION 5. The City Engineer is authorized to establish rules and procedures, and to produce signs, forms, and other materials necessary, or appropriate, to implement the provisions of the Residential Parking Permit Program hereby established.

SECTION 6. The Residential Parking Permit Program authorized herein shall be subject to the following provisions:

A. Applications for residential parking permit decals as authorized herein may only be made by residents of the following streets: (1) south side of Wilkes Place (24982 – 24952 Wilkes Street); (2) Costeau Street (from Camberwell Street to Hendon Street); (3) Camberwell Street (from Wilkes Street/Costeau Street to Hendon Street); (4) Luton Street; (5) Via Balboa; (6) Calle Carmel; (7) Avenida Avalon (in front of 24901 and 24911 Avenida Avalon only); and (8) Hendon Street (from Calle Carmel to the northeast knuckle of the street inclusive of and ending at the frontage of 24975 Hendon Street and 24952 Hendon Street).

B. Applications shall be the sole responsibility of the applicant and shall be filed with the City Engineer, or his designated representative.

C. Each applicant must be 18 years of age or older.

D. Each residential property will receive, subject to payment of the required fees, one parking permit per vehicle registered to a resident of the property.

E. Parking permits shall only be issued for personal passenger vehicles including pick-up trucks under two-ton capacity.

F. Construction or commercial vehicles shall not qualify for issuance of a parking permit.

G. Any parking permit issued pursuant to this Residential Permit Parking Program to a resident shall be valid for one year and shall only be issued to the registered owner of the vehicle, so long as the person to whom the permit is issued owns the vehicle and resides within the established residential permit parking area.

H. Parking permits are non-transferable.

I. Permit parking shall be prohibited on days and hours of City street sweeping.

J. Permit parking is subject to the City's established consecutive 72-hour parking prohibition. (*See*, LHMC Sections 11-12.040 and 11-12.070.)

K. Applicants for parking permits shall pay to the City an annual administrative fee for each vehicle-registered or guest permit or replacement, in accordance with the City's fee schedule.

L. Up to four (4) guest permit/placards can be issued per residence.

M. Parking permits may be issued for private service personnel as specified in LHMC § 11-24.060.

N. Unlimited one-day special event permits issued upon request.

O. Parking permits shall be displayed according to the instructions provided by City staff.

P. Guest or special event parking permit placards shall be displayed on the dashboard immediately above the steering wheel of the vehicle.

SECTION 7. Additionally, there is hereby established a No Parking Zone during the days and hours of street sweeping on certain streets in the Alicia Place residential neighborhood, specifically consisting of the following streets: (1) south side of Wilkes Place (24982 – 24952 Wilkes Street); (2) Costeau Street (from Camberwell Street to Hendon Street); (3) Camberwell Street (from Wilkes Street/Costeau Street to Hendon Street); (4) Luton Street; (5) Via Balboa; (6) Calle Carmel; (7) Avenida Avalon (in front of 24901 and 24911 Avenida Avalon only); and (8) Hendon Street (from Calle Carmel to the northeast knuckle of the street inclusive of and ending at the frontage of 24975 Hendon Street and 24952 Hendon Street) on the second and fourth Tuesday of each month between the hours of 8:00 a.m. to 12:00 noon.

SECTION 8. The City Engineer is hereby directed to and shall cause signs and/or markings to be placed giving adequate notice of the Residential Parking Permit Area and the No Parking Zone authorized and established herein.

SECTION 9. The City Council finds and determines that the Residential Parking Permit Area and No Parking Zone hereby established are not subject to the California Environmental Quality Act pursuant to Sections 15060(c)(2) (the activity will not result in a direct or reasonably foreseeable indirect physical change in the environment) and 15060(c)(3) (the activity is not a project as defined in Section 15378) of the CEQA Guidelines, Cal. Code of Regs, Title 14, Chapter 3, because it has no potential for resulting in physical change to the environment, directly or indirectly.

PASSED, APPROVED, AND ADOPTED this 8th day of September 2026.

_____
DON CASKEY, MAYOR

ATTEST:

_____
JOSHUA STEVENSON, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Joshua Stevenson, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2026-09-08-X adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 8TH day of September 2026, by the following vote:

AYES:

NOES:

ABSENT:

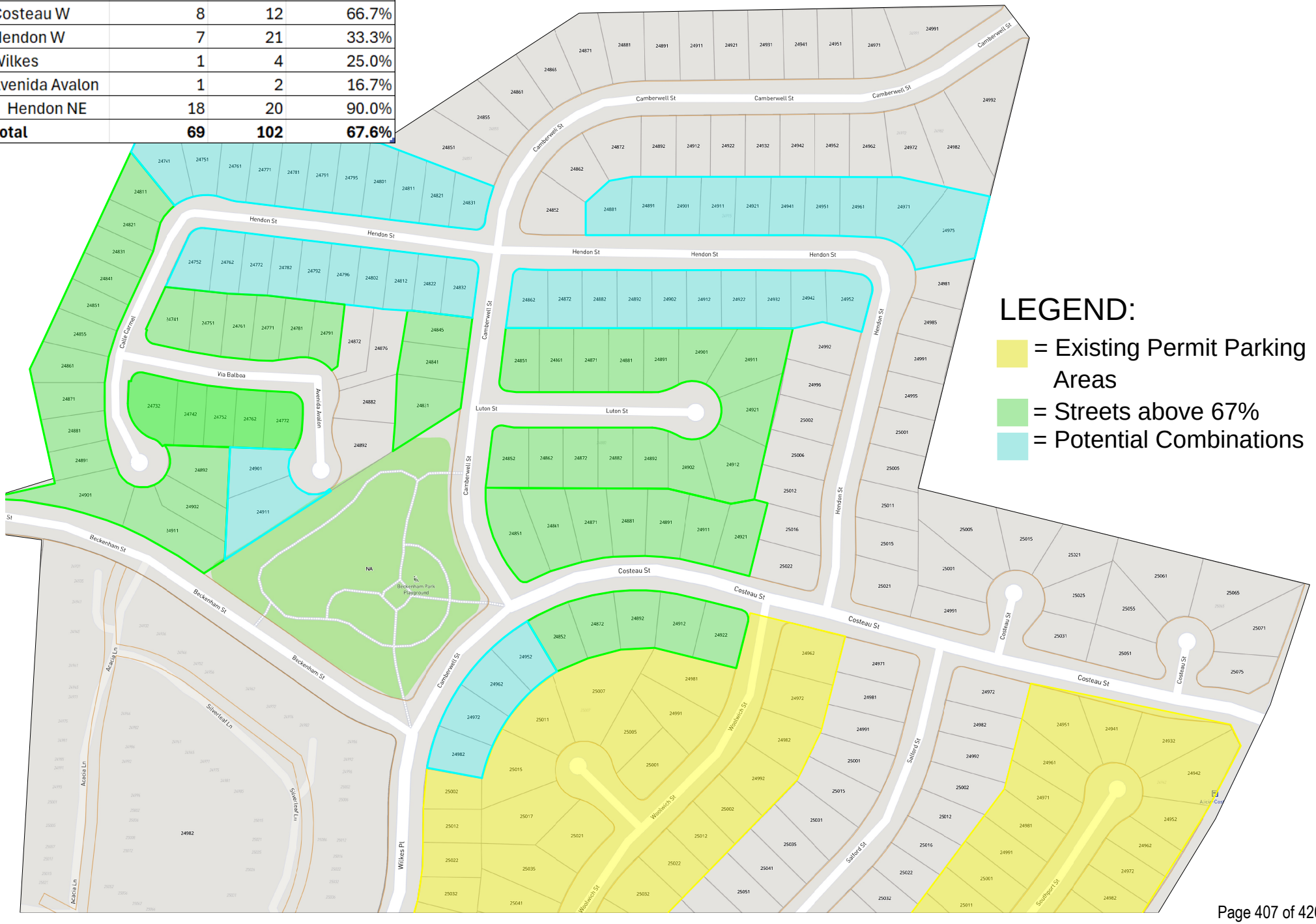
ABSTAIN:

(SEAL)

_____
JOSHUA STEVENSON, CITY CLERK

Combination 5A

Streets	Voted Yes	Total	Percentage
Camberwell S	3	3	100.0%
Luton	13	15	86.7%
Via Balboa	8	11	72.7%
Calle Carmel	10	14	71.4%
Costeau W	8	12	66.7%
Hendon W	7	21	33.3%
Wilkes	1	4	25.0%
Avenida Avalon	1	2	16.7%
Hendon NE	18	20	90.0%
Total	**69**	**102**	**67.6%**



City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Discussion of Parking on the North Side of Laguna Hills Drive between Indian Hill Lane and Paseo de Valencia

Recommendation: That the City Council provide direction to City staff.

Background:

During the August 25, 2026, City Council meeting, the City Council requested that City staff return to the September 8, 2026, City Council meeting with an evaluation of the efficacy of providing additional unrestricted parking on the north side of Laguna Hills Drive between the westerly limit of Indian Hill Lane and the easterly limit near Paseo de Valencia.

Presumably, this request is related to, and extension of, the recently approved unrestricted parking on the south side of Laguna Hills Drive that was approved by City Council Resolution at the June 23, 2026 meeting. At the June 23, 2026, City Council meeting, the City Engineer proposed that the only equitable comprehensive parking management strategy involves identifying where the demand exists and increasing supply in proximity to the demand. The City Engineer further recommended allowing parking on Laguna Hills Drive to provide parking for nearby apartment complexes and to lessen the impact of displaced vehicles parking near Beckenham Park, Camberwell Street, Beckenham Street, and in the Sunset Place neighborhood.

Currently, an 800 ft. portion of the north side of Laguna Hills Drive is reserved for "daytime" parking by permit only. Resolution No. 2005-07-12-2 established a Permit Parking Only Zone and No Overnight Parking from 10:00 p.m. to 6:00 a.m. on the northerly side of Laguna Hills Drive from 200 feet to 1,000 feet westerly of Paseo de Valencia (a length of 800 feet). Thus, only permit parking is

allowed 6:01 a.m. to 9:59 p.m., and no parking is allowed 10:00 p.m. to 6:00 a.m. According to a June 15, 2005, City Council agenda report, unrestricted parking on the north side of Laguna Hills Drive was temporarily authorized at that time to allow for overflow student parking during a construction project at Laguna Hills High School that temporarily reduced available parking on-site. However, at the conclusion of the construction project, the adjoining medical office building requested permit parking for their staff as they found on-street parking useful during that period of time. City Council granted the request.

The remaining portion of the north side of Laguna Hills Drive between Indian Hill Lane and the permit parking zone is signed as "No Parking Anytime."

Due to the presence of a speed feedback sign, City staff recommends that if parking is allowed on the north side of Laguna Hills Drive, that the parking zone start 650 feet east of Indian Hill Lane to the signed permit parking zone limit, approximately 1,400 feet east of Indian Hill Lane. City staff estimates that 30 parking stalls could be striped within this segment.

In addition, based on City staff observations and historical aerial and street view photographs, it was discovered that the existing permit parking zone is actually signed as being 1,000 feet in length and that the entire permit parking zone is rarely utilized fully. Therefore, it is City staff's opinion that the portion of north Laguna Hills Drive reserved for permit parking only can be reduced from a length of 1,000 feet to a length of 600 feet thereby creating approximately 16 additional unrestricted parking stalls for a total of approximately 46 parking stalls.

City staff recommends that City Council provide direction to City staff. The direction may include directing City staff to return to the next City Council meeting with a resolution rescinding the existing No Parking Anytime zone, modifying the limits of the existing permit parking zone to 200 feet to 800 feet west of Paseo de Valencia (resulting in a 600 ft. permit parking zone length), and implementing no parking during the days and hours of street sweeping.

Fiscal Impact:

If parking is allowed on the north side of Laguna Hills Drive as described in the staff report above, the estiated cost of signing and striping is $12,000. There is sufficient budget within the Public Works operating budget for this work.

Attachments:

1. Laguna Hills Drive - Existing and Potential Parking Areas
2. September 2, 2026 Street View Photos of Laguna Hills Drive

3. Undated November 2025 Street View Photo of Laguna Hills Drive
4. Undated 2017 Laguna Hills Drive Aerial Photo
5. Undated 2019 Laguna Hills Drive Aerial Photo
6. Undated 2021 Laguna Hills Drive Aerial Photo
7. Undated 2022 Laguna Hills Drive Aerial Photo

Existing Parking Restrictions and Potential Changes

Photos of Existing Permit Parking Zone on Westbound (North Side of) Laguna Hills Drive

Existing Street Light Pole at 1,200 Feet West of Paseo de Valencia
Existing Street Light Pole at 800 Feet West of Paseo de Valencia (600' long permit parking area)
Laguna Hills Dr
November 2025 Google Street View Photo

2017 Laguna Hills Drive Aerial Photo

1" = 100 ft	**Laguna Hills Drive**	09/02/2026	

This map may represent a visual display of related geographic information. Data provided here is not a guarantee of actual field conditions. To ensure complete accuracy, please contact the responsible staff for the most up-to-date information.

2019 Laguna Hills Drive Aerial Photo

1" = 104 ft	**Laguna Hills Drive**	09/02/2026	

This map may represent a visual display of related geographic information. Data provided here is not a guarantee of actual field conditions. To ensure complete accuracy, please contact the responsible staff for the most up-to-date information.

2021 Laguna Hills Drive Aerial Photo

1" = 100 ft	**Laguna Hills Drive**	09/02/2026	

This map may represent a visual display of related geographic information. Data provided here is not a guarantee of actual field conditions. To ensure complete accuracy, please contact the responsible staff for the most up-to-date information.

2022 Aerial Photograph - Laguna Hills Drive

1" = 100 ft	**Laguna Hills Drive**	09/02/2026	

This map may represent a visual display of related geographic information. Data provided here is not a guarantee of actual field conditions. To ensure complete accuracy, please contact the responsible staff for the most up-to-date information.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Bill Burk, Chief of Police Services
Issue: Public Safety Update

Recommendation: That the City Council receives and files the report.

Background:

Fiscal Impact:

Attachments:
None

Item No. 5.3.1

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 8, 2026
To: Mayor and Council Members
From: Joshua Stevenson, City Clerk
Issue: Committee Assignment Reports

Recommendation: That the City Council receive reports from the City Councilmembers on the City Council Committee Assignments listed on the attachment.

Background:

Members of the City Council serve on various boards and committees that impact the City of Laguna Hills. The Council Members will provide periodic updates from these external agencies as they relate to the City.

A complete listing of the City Council Committee Assignments is attached.

Fiscal Impact:

The City does not provide any additional compensation to City Council members for serving on outside agency boards or committees.

Attachments:

1. City Council Committee Assignments

City of Laguna Hills, CA

City Council Committee Assignments

Agency	LH Representative	LH Alternate	Link	Meetings
Transportation Corridor Agencies Joint Board of Directors (TCA)	Pezold	Mathis	https://thetollroads.com/about/boards-of-directors/board-agenda/board-agendas	Monthly
Orange County Fire Authority Board of Directors (OCFA)	Sweeney	N/A	https://ocfa.org/about-us/board-meetings/	Monthly
Orange County Mosquito and Vector Control District Board of Directors (OCMVCD)	Pezold	N/A	https://www.ocvector.org/board-meetings	Monthly
Orange County Older Adults Advisory Commission	Wheeler	N/A	https://www.officeonaging.ocgov.com/about-us/orange-county-older-adults-advisory-commission-oaac	Monthly
Orange County Library Advisory Board (LAB)	Wheeler	Sweeney	https://www.ocpl.org/about-ocpl/library-advisory-board	3x/year
Southern California Association of Governments (SCAG) Annual General Assembly	Caskey	Wheeler	https://scag.ca.gov/leadership-general-assembly	Annually
California Joint Powers Insurance Authority (CJPIA) Annual Board of Directors Meeting	Mayor	Mayor Pro Tem	https://cjpia.org/about/meetings-agendas/	Annually
Association of California Cities – Orange County (ACC-OC)	Mayor	Mayor Pro Tem	https://www.accoc.org/event-details-registration/acc-oc-2026-annual-leadership-summit-and-golden-hub-of-innovation-awards	Annually