

City of Foster City
Foster City, California



REQUEST FOR PROPOSAL
TRAFFIC SIGNAL &
LIGHTING MAINTENANCE (FY 2020/21 – FY 2022/23)

PROPOSAL SUBMITTAL DEADLINE: TUESDAY, MAY 5, 2020 at 2:00 PM

RETURN PROPOSAL TO:

City of Foster City
Department of Public Works
610 Foster City Boulevard
Foster City, CA 94404
Attn: Vivian Ma

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SUBMITTAL INSTRUCTIONS:

*In light of the State of Emergency related to Novel Coronavirus (COVID-19), the City is allowing electronic submittals of the Traffic Signal & Lighting Maintenance (FY 2020/21 – FY 2022/23) proposals. At the option of the Contractors, the City will allow electronic submittals of the proposals by **2:00 P.M.** on the due date of **May 5, 2020**. However, two (2) sealed hard copies must be mailed to the City address shown on the cover page of the RFP, and must be post-marked no later than the proposal due date.*

Electronic submittals can be uploaded at:
<https://www.fostercity.org/signalmaintrfp>

SCOPE OF WORK AND PROPOSAL ITEMS

1.01 SCOPE OF WORK

This proposal is for the maintenance of traffic signals and lighting in the City of Foster City and includes the following items:

A. Traffic Signal Maintenance

This work includes the maintenance of the Traffic Signal System (26 signalized intersections and an emergency signal at the Fire Department); interconnect system, Light-Emitting Diodes (LED) internally illuminated street name signs, battery back-up systems, preemption systems, rectangular Rapid Flash Beacons (RRFB), speed radar feedback signs, dynamic signs and loop/video (image and thermo sensors) detection system. See Attachment 1 for locations and Attachment 2 for inventory.

B. Lighting Maintenance

- a. Street Lighting: This work includes the maintenance of the City's Street Lighting System, including safety lights at signalized intersections.
- b. Parks & Parking Lot Lighting: This work includes the maintenance of the City's Parks & Parking Lot Lighting. See Attachments 3 & 4 for locations and types.

The following is a link to the City's GIS map index:

<https://www.fostercity.org/community/page/foster-city-gis-maps>

Click on "**Public Works**," then select "**Streetlights**" under Map Layers to access the City's Street and Parks & Parking Lot Lighting maps.

1.02 DURATION OF CONTRACT

Traffic Signal & Lighting Maintenance (FY 2020/21 – FY 2022/23) will be for the initial contract period from July 1, 2020 to June 30, 2023. The contract may be renewed in one-year increments as follows:

- A. The second contract period will be from July 1, 2023 to June 30, 2024.
- B. The third contract period will be from July 1, 2024 to June 30, 2025.
- C. The fourth contract period will be from July 1, 2025 to June 30, 2026.

Renewal shall be by mutual consent subject to the terms of the agreement and shall include a cost of living adjustment at the end of each contract period.

1.03 DESCRIPTION OF WORK – TRAFFIC SIGNAL MAINTENANCE (Proposal Item I)

The Contractor shall provide a continuous, comprehensive preventive maintenance program designed to minimize the incidence of outages and malfunction; reduce complaints; and extend the useful life of the traffic signal equipment. The program shall include, but is not limited to:

A. Annual Maintenance

Annual maintenance shall include cleaning, adjusting, lubricating, and testing of signal equipment and replacement of substandard components. The controller units shall be overhauled or maintained as recommended by the manufacturer.

The Contractor shall test all conflict monitors (see Attachment 1 for all existing signalized intersections) within the first two months of the start of each contract period and provide the City with a written report identifying each intersection and showing all test results.

The Contractor shall test all locations with battery backup systems as shown on Attachment 2 (by disconnecting the PG&E power at the service cabinet) within the first two months of the start of each contract period and provide the City with a written report that at each intersection the battery backup system operated on full cycle operation during power disconnect.

The Contractor shall rotate the batteries, per the manufacturer's recommendation, at all locations with battery backup systems (see Attachment 2 for locations) to maximize the life of the batteries and provide the City with a written report that work has been completed.

B. Annual Inspection

Within the first three months of each contract period, the Contractor shall:

- a. Replace all cabinet filters.
- b. Clean all lenses, reflectors, signal and fixture housing units and photoelectric units.
- c. Check the mounting of each signal head and adjust/tighten the mounting as required.
- d. Replace deteriorated or missing components and fastening hardware such as sockets, nuts and bolts.
- e. Clean video detection camera lenses.

C. Monthly Inspection

Each signalized intersection shall be inspected monthly. At a minimum, the following shall be performed:

- a. Walk the intersection and visually inspect all signal heads for proper operation, alignment, broken lenses and missing parts. Depress all pedestrian push buttons and observe the proper timing operation and display. Correct all observed problems as soon as possible thereafter.
- b. Examine the functioning of the controller in relation to the traffic. Correct functional problems as soon as possible and report functional and timing problems to the Engineer.
- c. Observe and check for proper operation of the detector loops or video detection and amplifiers. Adjust or re-tune detector amplifiers and correct sub-standard splices as necessary. Report improper detection operation and causes to the Engineer.
- d. Inspect all relays, switches, and terminals, etc. and replace or make adjustments as necessary. Make arrangements to promptly fix those deficiencies which cannot be corrected immediately.
- e. Check and adjust fan operation. Check the filter for tight fit and tape if required. Clean and vacuum the cabinet as necessary. Examine cabinet interior for water, excessive dampness and plant or animal intrusion. Determine cause and correct the condition.
- f. Inspect battery backup system to ensure unit is fully charged. Report improper operation to Engineer.
- g. Inspect preemption system to ensure equipment is operating and in-place, check all connections. Report improper operation to Engineer.
- h. Completed record keeping requirements as described below.

D. Normal Maintenance

The Contractor shall investigate and determine the corrective requirements for each reported malfunction, failure or outage of the traffic signal system. The Contractor shall repair or replace equipment and components that have failed, deteriorated, or malfunctioned from the normal operation of the traffic signal system. This equipment and components shall include, but is not limited to the following elements:

Incandescent Lamps, LED signal faces, Conflict Monitors, LED Internally Illuminated Street Name Sign Tubes, Signal Safety Lights, Load Switches, Detector Amplifiers, Transfer Switches, Flasher Switches, Breaker Switches, Ballasts, Starters, Sockets, Fuses, Fuse Holders, Photoelectric Cells, Signal and Safety Light Wiring in Poles, etc.

Controllers, video detections, preemption systems, and battery backup systems are not included in the Normal Maintenance.

E. Light Emitting Diode (LED) Signal Faces

All traffic signal faces in Foster City are LED's. All pedestrian signals are LED countdown.

The LED traffic signal faces shall comply with current ITE Cal-Trans specifications. As part of Normal Maintenance, all LED traffic signal faces will be replaced upon failure or when the luminosity does not meet the minimum requirements as outlined in Section 86-1.02R(4)(b) LED Signal Modules of the current California Department of Transportation Standard Specifications. The Contractor may, at Contractor's expense, maintain records and claim any manufacturers' refund that may be applicable under the LED manufacturer's warranty.

F. Maintenance Records

Contractor shall maintain an inspection and maintenance log to be kept in each controller cabinet using a form approved by the Engineer and shall maintain records as described herein.

A printout of the signal control database shall be kept in each controller cabinet. Timing changes shall be indicated on the printout. Only the Engineer shall authorize timing changes except that the Contractor may make changes required on a temporary basis due to maintenance operations or to maintain a satisfactory signal operation when there is a detection failure.

A work order form approved by the City shall be filled out each time the Contractor performs maintenance work which is out of the scope of Normal Maintenance. After completing the form, the Contractor's signal maintenance supervisor shall review the work performed, initial the form, and send a copy of the completed form to the Engineer. The originals shall be kept on file in the Contractor's office.

The Contractor shall provide a computerized database capable of storing all service calls and inspection and maintenance activities performed under the contract. A **monthly report** generated from the database shall be sent to the City with the monthly invoice. The report must identify each activity by the date and time, location, nature of the problem, work done, and whether the activity is part of the routine maintenance, service calls, or related to accident, vandalism or specifically authorized work. No payment will be made without submittal of the report.

G. Consultation

The Contractor shall designate representatives in their organization who shall be available periodically to the Engineer for consultation.

This consultation shall include preparing cost estimates for replacement of obsolete equipment, system modifications and maintenance work for which specific service fees have not been established in this contract; and technical explanations of functional and operational characteristics of the signals.

H. Response and Service

a. The Contractor shall provide response and service on a 24-hour per day, 7-day per week basis. Immediate action shall be taken to safeguard the public any time a signal installation becomes partly or totally inoperative from any cause whatsoever. The maximum response times shall be as follows:

- Emergency and Accident Maintenance – One (1) Hour
- Replacement of Burned Out Signal Faces
 - * Red Faces on Mast Arms – Two (2) Hours
 - * Red Faces on Poles – Twelve (12) Hours
 - * Green and Yellow Faces – Twelve (12) Hours
- All Other Signal Maintenance – Twenty-Four (24) Hours
- Safety Lighting – Forty-Eight (48) Hours
- IISNS Tubes – Forty-Eight (48) Hours

b. Signal-on-flash, signal blackout not caused by a power outage, and any malfunction of pedestrian signals shall constitute an emergency. The City may extend the maximum response time for maintenance on a case-by-case basis if the signal remains operational in a satisfactory manner and the condition poses no immediate hazard to the public.

c. Final repairs and maintenance shall be completed as soon as possible and in all cases in no less than twenty-one (21) calendar days, unless extended in writing by the Engineer.

d. Failure to meet the response time requirements by the Contractor shall be sufficient cause for the Engineer to authorize maintenance to be completed by others and deduct the costs of said maintenance from payments due to the Contractor. Repetitive failure shall be deemed sufficient cause for the City to terminate the contract.

I. Signal Turn-off and Signal on Flash

The Contractor shall immediately **notify the City's Police Department and the Engineer** of any signal turn-offs or signal on flash necessitated by their operation. Signal turn-off of any duration and signal on flash operation in excess of fifteen (15) minutes must be first authorized by the Engineer or the Police Department.

J. Spare Equipment

The Contractor shall maintain adequate storage and shop facilities and sufficient stock of spare parts and signal equipment to affect maintenance to the signals. The Contractor shall maintain at least one fully tested standby controller that is compatible with the City's system, and one other fully tested standby controller that is compatible with Caltrans' system. Any City furnished equipment shall remain City-owned and shall be returned to the City as soon as practical.

K. Salvaged Equipment

The Contractor shall deliver any salvaged or salvageable equipment or material to the location in the City as designated by the Engineer. Any material or equipment declared non-salvageable by the Engineer shall be disposed of properly by the Contractor.

1.04 DESCRIPTION OF WORK -- STREET LIGHT MAINTENANCE (Proposal Item II) AND PARKS & PARKING LOT LIGHT MAINTENANCE (Proposal Item III)

The Contractor shall provide a continuous, comprehensive preventive maintenance program designed to minimize the incidence of outages and malfunctions; reduce complaints; and extend the useful life of the street lights and the parks & parking lot lights. The program shall include, but is not limited to:

A. Monthly Inspection

Within fourteen (14) calendar days following receipt of the *Notice to Proceed* and within the first ten (10) working days of each month thereafter, the Contractor shall complete a night survey of a portion of the street lights and all parks & all parking lot lights. All outages and malfunctions shall be recorded on a Contractor furnished *Monthly Survey Log*. The *Monthly Survey Log* shall be submitted to the Engineer by the 15th calendar day of each month. See "Maintenance Records".

B. Monthly Maintenance

The Contractor shall investigate, determine the corrective requirements and repair each item reported on the *Monthly Survey Log* as soon as possible thereafter. This shall include equipment and components that have failed, deteriorated or malfunctioned from the normal operation of the street lighting and park & parking lot lights. This equipment and components shall include, but are not limited to the following elements: Lamps, sockets, ballasts, starters, photoelectric cells, fuses, fuse holders, wiring inside the pole, and incidentals.

C. Normal Maintenance

The Contractor shall investigate and determine the corrective requirements for each reported malfunction, failure or outage of the street lights and parks & parking lot lights. The Contractor shall restore or replace equipment and components that have failed, deteriorated or malfunctioned from the normal operation of the street lighting system and parks & parking lot lighting. This equipment and components shall include, but are not limited to the following elements: Lamps, sockets, ballasts, starters, photoelectric cells, fuses, fuse holders, wiring inside the pole, and incidentals.

This work also includes annual programming four speed radar feedback signs at two schools:

- Two signs on Edgewater Boulevard, near Foster City Elementary School, and
- Two signs on Beach Park Boulevard near Bowditch Middle School.

The signs shall be programmed annually, prior to the start of school. The work also includes maintenance of the signs, to ensure they are in working order.

D. Maintenance Records

The Contractor shall provide a computerized database (*Monthly Survey Log*) capable of storing all service calls, and inspection and maintenance activities performed under the contract. A monthly report generated from the database shall be sent to the City with the monthly invoice. The report must identify each activity by the date and time, location, nature of the problem, work done, and whether the activity is part of the routine maintenance, service calls, or related to accident, vandalism or specifically authorized work. No payment will be made without submittal of the report.

Separate *Monthly Survey Log* shall be kept for both Street Lighting and for Parks & Parking Lot Lighting.

E. Response and Service

The Contractor shall provide response and service on a 24-hour per day, 7-day per week basis. Immediate action shall be taken to safeguard the public any time a street light or parking lot light becomes partly or totally inoperative from any cause whatsoever. The maximum response times shall be as follows:

- a. Emergency Service – Two (2) Hours
- b. Outages and Malfunctions – Forty-Eight (48) Hours

Emergency Services shall include cleanup of debris due to accidents, installation of barricades and/or signs and leave area in safe condition.

Final repairs and maintenance shall be completed as soon as possible and in all cases in no less than twenty-one (21) calendar days, unless extended in writing by the Engineer.

Failure to meet the response time requirements by the Contractor shall be sufficient cause for the Engineer to authorize work to be completed by others and deduct the costs of said work from payments due the Contractor. Repetitive failure shall be deemed sufficient cause for the City to terminate the contract.

F. Salvaged Equipment

The Contractor shall deliver any salvaged or salvageable equipment or material to the location in the City as designated by the Engineer. Any material or equipment declared non-salvageable by the Engineer shall be taken from the City and disposed of properly by the Contractor at Contractor's cost.

1.05 DESCRIPTION OF WORK --- FURNISH, INSTALL, AND REPLACE EQUIPMENT OF COMPONENTS (Proposal Item IV)

This work includes, but is not limited to, furnishing, installing, and replacing the following equipment or components: Single 'A' type loop, single 'D' type loop, 4 loop system (1D and 3A), back plate (all types), visor, cabinet fan, pedestrian push button (APS and non-APS), LED ped countdown, #200 load switch, #204 flasher load switch, #222 detector, 12" LED red/amber/green ball, 12" LED red/amber/green arrow, Traficon video camera, video surge suppressor, FLIR TrafiSense thermal detection camera, power supply. This work also includes Underground Service Alert (USA) mark-outs as requested by the City.

1.06 DESCRIPTION OF WORK --- MATERIALS MARKUP FOR EXTRA WORK
(Proposal Item V)

For any required extra work, the markup will be a set percentage.

1.07 DESCRIPTION OF WORK --- REPLACE STREET LIGHT (Proposal Item VI)

This work includes all labor, equipment and materials required for the replacement of a boulevard or residential street light standard that has been knocked down or damaged as the result of an accident. The City will supply the street light standard, and mast arm as required. Components such as mast arms and luminaires that are undamaged may be re-used at the direction of the Engineer. The Contractor shall pick up the City supplied material from the Corporation Yard on East Third Avenue or re-use existing undamaged components and install the street light standard, mast arm and luminaires to the original condition complete in place and operational. Contractor, at own cost, shall place barricades, clean up debris, properly dispose of all damaged components. The Contractor shall supply all lamps, fuses, fuse holders, photoelectric cells, conductors and incidentals required to restore the street light to working condition. No new foundations are included for this work.

1.08 COMPENSATION

A. TRAFFIC SIGNAL MAINTENANCE, STREET LIGHT MAINTENANCE,
AND PARKS & PARKING LOT LIGHT MAINTENANCE (Proposal Items I,
II, and III)

The Contractor shall provide all work necessary to effectively maintain traffic signals and street lights as defined in this proposal. Compensation for this work shall be made monthly based on 1/12th of the total annual amount for each of the Proposal Items I, II, and III.

Proposal Items I and II are administered by the Foster City Public Works Engineering Department and therefore, the invoice shall be submitted to Foster City Public Works Engineering Department.

Proposal Item III is administered by the Foster City Parks and Recreation Department and therefore, the invoice shall be submitted to Foster City Parks and Recreation Department.

B. PROPOSAL ITEMS IV, V, AND VI

Payment for Items IV, V, and VI shall be paid per unit price as included in the Proposal Schedule. Invoices shall be submitted for payment when the work is completed and operational.

C. COST OF LIVING ADJUSTMENT

At the end of the initial contract period (June 30, 2023), and each anniversary thereafter for the duration of the contract, the unit rates included in the proposal may, upon Contractor or City request, be increased or decreased in direct proportion to the increase or decrease in the Consumer Price Index (CPI) for the past year (June to June). The CPI shall be the San Francisco/Oakland Consumer Price Index for all urban wage earners. The Contractor shall submit to the Engineer a revised unit price schedule and supporting CPI information for any requested changes.

1.09 EXTRA WORK

Compensation for Extra Work, work not covered in the Proposal Schedule, shall be billed at "Straight Time" rate unless overtime is authorized by the Engineer or the work is performed in an emergency situation. During an emergency situation, only such work shall be done as to alleviate the emergency situation. All non-emergency work shall be done during normal business hours. A separate itemized invoice, indicating the actual labor (hours per employment classification), material, equipment units used, and applicable rates, shall be prepared for work hereunder. Where the work involved an item included in the unit price schedule the unit price therefore shall prevail.

1.10 INSPECTION OF NEW OR MODIFIED SIGNAL SYSTEMS

When the City accepts new traffic signal systems into service, they will be included in the contract at the applicable lump sum cost for preventive and normal maintenance and at proposed unit rates for other maintenance as for existing signals, commencing on the date of acceptance of the traffic signal work. The Contractor shall, upon notification by the Engineer, immediately commence servicing such signals. New signals are covered by the installing Contractor's material and workmanship warranty for one year after acceptance. Where parts or material become defective during this warranty period, the Contractor shall notify the Engineer so that the warranty may be exercised. The City shall be responsible for exercising maintenance and replacement covered by warranty. At expiration of warranty, servicing of signals shall be performed in accordance with these specifications.

1.11 WAGES PAID TO CONTRACTOR'S WORKERS

Pursuant to California Labor Code Article 2, Wages, Section 1770 et seq., the work described herein is a "public work" as defined by this Article of the Labor Code and requires payment of prevailing wages pursuant to Labor Code Section 1771. Contractors are advised to familiarize themselves with this provision and with Department of Industrial Relations opinions and interpretations relative to traffic

signal maintenance. Failure to comply with Labor Code Article 2, Wages, of the Labor Code may result in imposition of statutory penalties enumerated in Labor Code Section 1775.

- END OF SECTION *

**CITY OF FOSTER CITY --- PROPOSAL SCHEDULE
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (FY 2020/21 – FY 2022/23)**

PROPOSAL ITEM No.	DESCRIPTION	ANNUAL QUANTITY	UNIT	UNIT PRICE	TOTAL ANNUAL AMOUNT
I.	Traffic Signal Maintenance				
	1. Intersection & Fire Station Traffic Signals*. (Includes Internally Illuminated Street Name Signs)	31	Lump Sum Per Intersection Per Year	\$ _____	\$ _____
	2. VCalm Radar Speed Signs	4	Each/Year	\$ _____	\$ _____
	3. RRFB Systems	6	Each/Year	\$ _____	\$ _____
	4. Dynamic (Blank-Out/CMS) Signs**	14	Each/Year	\$ _____	\$ _____

* Currently, there are 27 traffic signals. Four additional signalized intersections are in the design phase.

** The City has a Capital Improvement Program (CIP) project currently in the design phase, which will install a total of 14 left turn restriction dynamic signage at two existing signalized intersections.

II.	Street Light Maintenance				
	1. Residential LED's (20 & 40)	930	Light/Year	\$ _____	\$ _____
	2. Boulevard LED's (60, 70 & 80)	1101	Light/Year	\$ _____	\$ _____
Total Annual Amount Item II					\$ _____

III.	Parks & Parking Lot Light Maintenance ♦				
	1. 150 Watt H.P.S.	84	Light/Year	\$ _____	\$ _____
	2. 250 Watt H.P.S.	19	Light/Year	\$ _____	\$ _____
	3. 400 Watt H.P.S.	9	Light/Year	\$ _____	\$ _____
	4. 100 Watt Metal Halide	48	Light/Year	\$ _____	\$ _____
	5. 175 Watt Metal Halide	89	Light/Year	\$ _____	\$ _____
	6. 250 Watt Metal Halide	6	Light/Year	\$ _____	\$ _____
	7. 400 Watt Metal Halide	4	Light/Year	\$ _____	\$ _____
	8. 1000 Watt Metal Halide	24	Light/Year	\$ _____	\$ _____
	9. Bollards	59	Light/Year	\$ _____	\$ _____
	10. In-Ground Lights	18	Light/Year	\$ _____	\$ _____
	11. "Other" --- Listed on Att. 4 as red poles	5	Light/Year	\$ _____	\$ _____
Total Annual Amount Item III					\$ _____

IV.	Furnish, Install & Replace Equipment or Components ♦♦				
	1. Single 'A' type loop	6	Each	\$ _____	\$ _____
	2. Single 'D' type loop	4	Each	\$ _____	\$ _____
	3. 4 loop system (1D & 3A)	4	Each	\$ _____	\$ _____
	4. Back Plate (all types)	8	Each	\$ _____	\$ _____
	5. Visor	8	Each	\$ _____	\$ _____
	6. Cabinet Fan	8	Each	\$ _____	\$ _____
	7. Pedestrian Push Button (non-APS)	10	Each	\$ _____	\$ _____
	8. APS Pedestrian Push Button Assembly	6	Each	\$ _____	\$ _____
	9. LED Ped Countdown	12	Each	\$ _____	\$ _____
	10. #200 Load Switch	10	Each	\$ _____	\$ _____
	11. #204 Flasher Load Switch	10	Each	\$ _____	\$ _____
	12. #222 Detector	6	Each	\$ _____	\$ _____
	13. 12" LED Red Ball	10	Each	\$ _____	\$ _____

	14. 12" LED Red Arrow	18	Each	\$ _____	\$ _____
	15. 12" LED Amber Ball	10	Each	\$ _____	\$ _____
	16. 12" LED Amber Arrow	10	Each	\$ _____	\$ _____
	17. 12" LED Green Ball	10	Each	\$ _____	\$ _____
	18. 12" LED Green Arrow	10	Each	\$ _____	\$ _____
	19. Traficon Video Camera	15	Each	\$ _____	\$ _____
	20. Video Surge Suppressor	8	Each	\$ _____	\$ _____
	21. FLIR TrifiSense Thermal Detection Camera	4	Each	\$ _____	\$ _____
	22. Power Supply	8	Each	\$ _____	\$ _____

V.	Materials Markup and Sales Tax for Extra Work ♦♦				
	Materials Markup for Extra Work	\$30,000.00	%	_____%	\$ _____
	Sales Tax for Materials Related to Extra Work	\$30,000	9.25%	9.25%	\$ 2,775.00

VI.	Replace Street Light ♦♦				
	Replace Street Light Standard	12	Each	\$ _____	\$ _____

TOTAL ANNUAL AMOUNT (ITEMS I thru VI) \$ _____					
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♦ = See Attachments 3 & 4 for Type, Location and Accessibility ♦♦ = Estimated Annual Quantity

Equipment and Labor for Extra Work

VII. Equipment for Extra Work (Estimated Annual Quantity)

EQUIPMENT	ANNUAL QUANTITY	UNIT	UNIT PRICE	TOTAL ANNUAL AMOUNT
1. Utility Vehicle	5	Hour	\$_____	\$_____
2. Boom/Bucket Truck	70	Hour	\$_____	\$_____
3. Dump Truck	5	Hour	\$_____	\$_____
4. Excavator	5	Hour	\$_____	\$_____
5. Compressor	10	Hour	\$_____	\$_____
6. Utility Vehicle	5	Day	\$_____	\$_____
7. Boom/Bucket Truck	5	Day	\$_____	\$_____
8. Dump Truck	5	Day	\$_____	\$_____
9. Excavator	5	Day	\$_____	\$_____
10. Compressor	5	Day	\$_____	\$_____

Labor for Extra Work

Job Classification shall be the classification that reflects the Contractors work crew to be used to perform the type of work generally described herein and shall be a classification that is either as listed or one that most closely approximates the classification listed herein. See Section 1.10, Wages Paid to Contractor's Workers.

Classification:

- | | |
|--|--------------------|
| 1. _____
(Supervisor Straight Time) | Rate/Hour \$ _____ |
| 2. _____
(Worker Straight Time) | Rate/Hour \$ _____ |
| 3. _____
(Laborer Straight Time) | Rate/Hour \$ _____ |
| 4. _____
(Supervisor Overtime) | Rate/Hour \$ _____ |
| 5. _____
(Worker Overtime) | Rate/Hour \$ _____ |
| 6. _____
(Laborer Overtime) | Rate/Hour \$ _____ |

NOTES:

- PROPOSAL PRICE ALONE WILL NOT BE THE SOLE DETERMINING FACTOR IN THE SELECTION OF THE CONTRACTOR FOR THIS WORK. THE CITY WILL CONSIDER**

THE PROPOSAL COSTS FOR ALL PROPOSAL ITEMS IDENTIFIED HEREIN TOGETHER WITH THE CONTRACTOR QUALIFICATIONS AND REFERENCES TO FORM THE BASIS FOR ITS DECISION ON WHO WILL BE SELECTED.

- 2. PROPOSALS ARE REQUIRED FOR THE ENTIRE WORK IN THE PROPOSAL SCHEDULE.**

- END OF SECTION *

CITY OF FOSTER CITY
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (FY 2020/21 – FY 2022/23)

CONTRACTOR'S QUALIFICATIONS AND REFERENCES
(To be Completed by Contractor and Submitted with Cost Proposal)

Name of Contractor: _____

1. The Contractor has been engaged in the contracting business, under the present business name for _____ years.
2. Experience in work of a nature similar to that covered in the proposal documents extends over a period of _____ years.
3. Has contractor ever failed to satisfactorily complete a contract awarded to them, except as follows: (Name any and all exceptions and reasons therefore.)

-
4. The following maintenance contracts have been satisfactorily completed in the last three years for the persons, firms or authorities indicated:

	YEAR	TYPE OF WORK	CONTRACT AMOUNT	LOCATION AND FOR WHOM PERFORMED
(a)	_____	_____	_____	_____
(b)	_____	_____	_____	_____
(c)	_____	_____	_____	_____
(d)	_____	_____	_____	_____
(e)	_____	_____	_____	_____

5. The following person may be contacted for information concerning the contract work listed above (list a reference for each contract named):

	NAME/TITLE	ADDRESS	TELEPHONE
(a)	_____	_____	_____
(b)	_____	_____	_____
(c)	_____	_____	_____
(d)	_____	_____	_____
(e)	_____	_____	_____

6. Following is a list of plant and equipment owned by the Contractor, which is definitely available for use on the proposed work as required:

QUANTITY	NAME, TYPE, AND CAPACITY	CONDITION	LOCATION
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Attach additional sheets as necessary)

All of the above statements as to experience, financial qualifications, and available plant and equipment are submitted in conjunction with the proposal, as a part thereof and the truthfulness and accuracy of the information is guaranteed by the Contractor.

Signature of Contractor: _____

Print Name and Title

• END OF SECTION *

CITY OF FOSTER CITY
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (FY 2020/21 – FY 2022/23)

CONTRACTOR'S CERTIFICATIONS

(To be Completed by Contractor and Submitted with Cost Proposal)

CERTIFICATE OF NON-DISCRIMINATION

On behalf of the bidder making this Bid, the undersigned certifies that there will be no discrimination in employment with regard to race, color, religion, sex, sexual orientation, or national origin; that all federal, state, and local directives and executive orders regarding non-discrimination in employment will be complied with; and that the principle of equal opportunity in employment will be demonstrated positively and aggressively.

CONTRACTOR'S SIGNATURE

STATEMENT OF CONVICTIONS

"I hereby swear, under penalty of perjury, that no more than one final, unappealable finding of contempt of court by a Federal Court has been issued against me within the past two years because of failure to comply with an order of a Federal Court to comply with an order of the National Labor Relations Board."

CONTRACTOR'S SIGNATURE

PREVIOUS DISQUALIFICATIONS

"I hereby swear, under penalty of perjury, that the below indicated bidder, any officer of such bidder, or any employee of such bidder who has a proprietary interest in such bidder, has never been disqualified, removed or otherwise prevented from bidding on, or completing a Federal, State, or local government project because of a violation of law or a safety regulation except as indicated on the separate sheet attached hereto entitled "Previous Disqualifications." If such exceptions are attached, please explain the circumstances.

CONTRACTOR'S SIGNATURE

CERTIFICATION OF WORKER'S COMPENSATION INSURANCE

By my signature hereunder, as CONTRACTOR, I certify that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's 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 Contract.

CONTRACTOR'S SIGNATURE

Company Name _____

Signed by (printed) _____

Title _____

Dated _____

*** END OF SECTION ***

TECHNICAL REQUIREMENTS

TRAFFIC SIGNAL SYSTEM

1.01 DESCRIPTION

Unless otherwise stated, all signal work and signal equipment shall conform to the latest edition of Sections 86-87 "Electrical Work" and "Electrical Systems" of the Standard Specifications and the Standard Plans of the State of California, Department of Transportation.

1.02 DETECTORS

Detector units shall be shelf-mounted, single channel Intersection Development Corporation (IDC) Model 910A or Model 913A (if delay and extension are required) or approved equal.

1.03 DETECTOR LEAD-IN CABLE & SPLICES

Detector lead-in cable for each set of loops shall be run separately and without splicing from the pull box to the controller cabinet. Pull boxes for loop wire/DLC splice shall normally be placed between second and third loops and be similar to Caltrans Curb Termination Type-A. Detector lead-in cable shall be Type B.

Splices between loop wire and DLC shall be double insulated with heat shrink tubing after thoroughly cleaning, soldering and painting the spliced conductors with electrical insulating coating.

1.04 INDUCTIVE LOOPS

Stop Bar Loops: For new or modified construction there shall be one DLC and one detector amplifier for each traffic lane. For each through lane there shall be one "D" type loop (closest to stop bar) and three "A" type loops. For each left turn lane there shall be one "D" type loop (closest to stop bar) and three "A" type loops.

Advance Loops: For new or modified construction there shall be one DLC and one detector amplifier for each traffic phase. There shall be one "A" type loop for each traffic lane. Loop wire for shall be Type 2 for all loop installations.

1.05 CONDUIT

Conduit to be installed underground and in foundations shall be Schedule 40 non-metallic type. Where metallic conduit already exists, a non-metallic (PVC) transition coupling shall be used between metallic and non-metallic conduit.

When rigid non-metallic conduit is placed in a trench (not under pavement or concrete sidewalk), after bedding material is placed and conduit is installed, the trench shall be backfilled with commercial quality concrete. This concrete shall contain not less than 376 pounds of cement per cubic yard, to not less than four inches (4") above the conduit before additional backfill material is placed.

After conductors have been installed, the ends of the conductor terminating in the pull boxes and shall be sealed with the approved type of sealing compound.

1.06 LED SIGNAL FACES

LED signal faces shall comply with current ITE Cal-Trans Specifications, and Section 86-1.02R(4)(b) LED Signal Modules of the current California Department of Transportation Standard Specifications. Vehicle signal faces shall be 12" diameter RX11 modules or approved equal.

1.07 LUMINAIRES

Intersection safety lighting luminaires shall be Beta LED's or approved equal.

1.08 PULL BOXES

Pull boxes shall be Caltrans Type 3½, 5 or 6 depending on application and location. The cover shall be marked with the appropriate application, i.e. "Traffic Signal", "Interconnect", and "Electrical" etc. Six-inch (6") deep drainage rock shall be placed in the bottoms of all new pull boxes. Grout shall not be used.

1.09 LED INTERNALLY ILLUMINATED STREET NAME SIGNS

Unless stated otherwise, signs shall conform to Caltrans Standard Specification 87-4 *Internally Illuminated Street Name Signs* and be of Type A double face standard depth six (6) feet long.

Each sign shall be fitted with an integral photoelectric control unit and a photoelectric cell.

Mounting brackets shall be a free-swinging assembly. Pelco free-swinging mounting bracket assembly or approved equal.

Each sign shall have two (2) safety cables fitted, one at each mounting bracket. The safety cables shall be 7 x 19 strand stainless steel and connected with a stainless steel pressure clamp. The safety cable shall be threaded beneath the lower mounting assembly *Hinge Rod* and looped over the signal mast arm leaving 1 to 2 inches of slack when connected.

Each sign shall have two (2) panels i.e., double face. The panels shall be translucent high impact resistant, glass fiber reinforced acrylated resin.

Background color shall be Interstate Blue as furnished by Kruger/Russ Agency, or approved equal with 8" upper and 6" lower case Series C letters.

Electrical service to IISNS shall be on a separate metered circuit and shall be 120V, 1P with a 15A breaker at the service cabinet.

1.10 Pedestrian Push Button

Pedestrian push buttons shall be weatherproof and ADA compliant. All pedestrian push-buttons shall be "accessible" type push buttons, and shall conform to the requirements in Section 86-1.02T "Accessible Pedestrian Signals" and Section 86-1.02U "Push Button Assemblies" of the Standard Specifications and to Sections 4E.08 "Pedestrian Detectors" and 4E.09, "Accessible Pedestrian Signals and Detectors" in the California Manual on Uniform Traffic Control Devices, latest edition.

1.11 LED Pedestrian Countdown

Pedestrian signals shall be the Light Emitting Diode (LED) type pedestrian signal, conforming to the requirements in Section 86-1.02S(3)(c) "LED Countdown Pedestrian Signal Face Modules" of the Standard Specifications and Section 4E of the California Manual on Uniform Traffic Control Devices. Pedestrian Signal Faces shall be a single section with the "Upraised Hand" and "Walking Person" overlain on the left of the pedestrian signal face, and the "Countdown" on the right of the pedestrian signal face.

- END OF SECTION *

TECHNICAL REQUIREMENTS STREET LIGHT SYSTEM

1.01 DESCRIPTION

Unless stated otherwise all street lighting work shall conform to the latest edition of Sections 86-87 "Electrical Work" and "Electrical Systems" of the Standard Specifications and the Standard Plans of the State of California, Department of Transportation or City of Foster City Standard Plans, Specifications, rules, regulations and ordinances.

1.02 BOULEVARD STANDARDS

STANDARD

Boulevard standards shall be round tapered steel, thirty (30) feet in high conforming to the City of Foster City Standard Plan (*Double Arm or Single Arm Electrolier & Foundation Details*) and shall be Union Metal Corp type or approved equal. The shaft of the pole shall be fabricated from the best grade, hot rolled basic open-hearth steel. The shaft shall have only one longitudinal, electrically welded joint, and shall have no intermediate horizontal joints or welds. One length of steel sheet shall be used, which shall be formed into a continuously tapered shaft. After forming and welding, the tapered shaft shall be cold rolled. Poles shall have handholes at the base with tamper proof covers. The anchor base shall be one piece cast steel, and shall be secured to the lower end of the shaft by means of arc welding. The base shall be provided with holes for anchoring, ventilation, and for attaching covers. Cast iron covers shall be provided for each base.

MAST ARMS

Mast arms shall be specified as double or single and shall conform to the City of Foster City Standard Plan (*Double Arm or Single Arm Electrolier & Foundation Details*) and shall be Union Metal Corp type or approved equal. The mast arms shall consist of two (2) inch I.P.S. steel pipe tapered to an elliptical shape at the pole attachment end. The pole end of the arm shall be provided with a welded steel fitting. The arm shall be secured to the pole by cap screws, and the pole connection shall be weather resistant. The connection shall be provided with smooth inside surfaces suitable for wiring.

PAINTING

The pole shaft, mast arms, and anchor base shall be hot dipped galvanized. Before installation, one sprayed coat of American Marine Paint Company Epoxy Paint # S-3392, or equal, Catalyzed Red Primer, 3-mil dry thickness shall be applied. After installation, one sprayed finish coat of American Marine Paint Company Epoxy Paint # S-3518 "Foster City Blueprint Blue" Epoxy Gloss Catalyzed Paint, 3-mil thickness shall be applied.

1.03 BOULEVARD LUMINAIRES

Boulevard LED's shall be BETA or approved equal. They are 60, 70 and 80 LED's.

1.04 RESIDENTIAL STANDARDS

Residential standards shall have a pole shaft four inch square, galvanized steel, twenty (20) feet in height, with a six inch arm conforming to City of Foster City/Estero Municipal Improvement District Standard Plans. The pole shall be fabricated from United States 11 gauge hot rolled commercial quality carbon steel with a minimum yield strength of 55,000 psi. Construction is to be one piece with a full longitudinal high frequency cross section with flat sides, radius corners and no taper. The pole is to be hot dipped galvanized per ASTM 123. The top of the pole shall be drilled to accept arm mount fixture. The anchor base is to be fabricated from a structural quality, hot rolled carbon steel plate with a minimum yield strength of 36,000 psi. The base plate shall telescope the pole shaft and shall be circumferentially welded top and bottom. The base plate shall be provided with slotted bolt holes to rotate the pole plus or minus 5 degrees for row alignment of shaft. Base plate and pole shall be hot dipped galvanized per ASTM 123.

Each installation shall include a full base cover. The base cover is to be fabricated from United States standard 11 gauge, hot rolled commercial quality carbon steel hot dipped galvanized per ASTM 123. It is to be a two piece cover secured together with two stainless steel hex head screws. The cover shall conceal the entire base plate and anchorage.

Each pole shall include a removable steel top plate to allow for luminaire arm attachment. The top plate shall be hot dipped galvanized per ASTM 123 and shall be held in place with a stainless steel hex head screw.

1.05 RESIDENTIAL LUMINAIRES/LAMPS

Residential Luminaires shall be BETA LED or approved equal. They are 20 and 40 LED's.

1.06 BALLASTS

The ballasts shall be Autoreg and operate a 100 watt, 150 watt 200, or 250 watt LED lamp within ANSI trapezoidal limits and have the same wattage rating as the lamps the luminaire is designed for. Ballasts shall be Multivolt (120/208/240/277), and operate on a - 5% line voltage drop, and be Hi Power Factor rated.

1.07 STRATERS/STARTING AIDS

Starter shall accept NEMA quick disconnect terminals. Starting aids shall be designed to provide the electrical characteristics recommended by lamp manufacturers and have the same wattage rating as the lamps the luminaire is designed for.

1.08 PHOTOELECTRIC CELLS & ASSEMBLY

The photoelectric cell shall be a twist lock type enclosed in a weatherproof high impact butyrate protective housing and 1000 Watt high factor rated. It shall be UL listed and meet all applicable NEMA standards. The photoelectric assembly shall conform to Caltrans Standard Specification.

1.09 CONDUIT

Conduit to be installed underground and in foundations shall be Schedule 40 non-metallic type. Where metallic conduit already exists, a non-metallic (PVC) transition coupling shall be used between metallic and non-metallic conduit.

When rigid non-metallic conduit is placed in a trench (not under pavement or concrete sidewalk), after bedding material is placed and conduit is installed, the trench shall be backfilled with commercial quality concrete. This concrete shall contain not less than 376 pounds of cement per cubic yard, to not less than four inches (4") above the conduit before additional backfill material is placed.

After conductors have been installed, the ends of the conductor terminating in the pull boxes and shall be sealed with the approved type of sealing compound.

1.10 HARDWARE

All Mounting hardware, both external and internal, shall be made of stainless steel. This shall include but is not limited to all nuts, bolts, screws, hinges and other manufactured fasteners. The Contractor shall supply all hardware necessary to mount each luminaire on galvanized steel pole.

1.11 PULL BOXES

Pull boxes shall be Caltrans Type 3½, 5 or 6 depending on application and location. The cover shall be marked with the appropriate application i.e. "Street Lighting", "Electrical" etc. Six-inch (6") deep drainage rock shall be placed in the bottoms of all new pull boxes. Grout shall not be used.

- END OF SECTION

PUBLIC PROJECT AGREEMENT
FOR
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (FY 2020/21 – 2022/23)

This Agreement is made and entered into as of the _____ day of _____, 2020 by and between the City of Foster City hereinafter called "CITY" and _____ hereinafter called "CONTRACTOR".

RECITALS

This Agreement is entered into with reference to the following facts and circumstances:

- A. That CITY desires to engage CONTRACTOR to perform work on a public works project;
- B. That CONTRACTOR is qualified to provide such services to the CITY and;
- C. That the CITY has elected to engage the services of CONTRACTOR upon the terms and conditions as hereinafter set forth.

- 1. Services. The services to be performed by CONTRACTOR under this Agreement shall include those services set forth in Exhibit A, which is, by this reference, incorporated herein and made a part hereof as though it were fully set forth herein.

Performance of the work specified in said Exhibit A is hereby made an obligation of CONTRACTOR under this Agreement, subject to any changes that may be made subsequently hereto upon the mutual written agreement of the said parties.

Where in conflict, the terms of this Agreement supersede and prevail over any terms set forth in Exhibit A.

- 2. Term; Termination. (a) The term of this Agreement shall commence upon the date hereinabove written and shall expire upon completion of performance of services hereunder by CONTRACTOR. (b) Notwithstanding the provisions of (a) above, either party may terminate this Agreement without cause by giving written notice not less than ten (10) days prior to the effective date of termination, which date shall be included in said notice. In the event of such termination, CITY shall compensate CONTRACTOR for services rendered, and reimburse CONTRACTOR for costs and expenses incurred, to the date of termination, calculated in accordance with the provisions of paragraph 3. In ascertaining the services actually rendered to the date of termination, consideration shall be given both to completed work and work in process of completion. Nothing herein contained shall be deemed a limitation upon the right of CITY to terminate this Agreement for cause, or otherwise to exercise such rights or pursue such remedies as may accrue to CITY hereunder.

3. Compensation; Expenses; Payment. CITY shall compensate CONTRACTOR for all services performed by CONTRACTOR hereunder in an amount based upon CONTRACTOR's hourly rates during the time of the performance of said services. A copy of CONTRACTOR's hourly rates for which services hereunder shall be performed are set forth in CONTRACTOR's fee schedule marked Exhibit "B" hereof, attached hereto and by this reference incorporated herein.

Notwithstanding the foregoing, the combined total of compensation and reimbursement of costs payable hereunder shall not exceed the sum _____ (\$ _____) unless the performance of services and/or reimbursement of costs and expenses in excess of said amounts have been approved in advance of performing such services or incurring such costs and expenses by the City Manager (for contracts less than \$50,000) or City Council (for contracts \$50,000 or more) evidenced by motion duly made and carried.

Compensation and reimbursement of costs and expenses hereunder shall be payable upon monthly billing therefor by CONTRACTOR to CITY, which billing shall include an itemized statement, briefly describing by task and labor category or cost/expense items billed.

4. Additional Services. In the event CITY desires the performance of additional services not otherwise included within the services described in Exhibit A, such services shall be authorized in advance of the performance thereof by the City Manager (for contracts less than \$50,000) or City Council (for contracts \$50,000 or more) by motion duly made and carried. Such amendment to this Agreement shall include a description of the services to be performed thereunder, the maximum compensation and reimbursement of costs and expenses payable therefor, the time of performance thereof, and such other matters as the parties deem appropriate for the accomplishment of such services. Except to the extent modified by written amendment, all other terms and conditions of this Agreement shall be deemed incorporated in each such amendment.
5. Records. CONTRACTOR shall keep and maintain accurate records of all time expended and costs and expenses incurred relating to services to be performed by CONTRACTOR hereunder. Said records shall be available to CITY for review and copying during regular business hours at CONTRACTOR's place of business or as otherwise agreed upon by the parties.
6. Authorization. This Agreement becomes effective when endorsed by both parties in the space provided below.
7. Reliance on Professional Skill of CONTRACTOR. CONTRACTOR represents that it has the necessary professional skills to perform the services required and the CITY shall rely on such skills of the CONTRACTOR to do and perform the work. In performing services

hereunder CONTRACTOR shall adhere to the standards generally prevailing for the performance services similar to those to be performed by CONTRACTOR hereunder.

8. Documents. All documents, plans, drawings, renderings, and other papers, or copies thereof, as finally rendered, prepared by CONTRACTOR pursuant to the terms of this Agreement, shall, upon preparation and delivery to CITY, become the property of CITY.
9. Relationship of Parties. It is understood that the relationship of CONTRACTOR to the CITY is that of an independent contractor and all persons working for or under the direction of CONTRACTOR are its agents or employees and not agents or employees of the CITY.
10. Schedule. CONTRACTOR shall adhere to the schedule set forth in Exhibit A; provided, that CITY shall grant reasonable extensions of time for the performance of such services occasioned by governmental reviews of CONTRACTOR's work product or other unavoidable delays; provided, further, that such unavoidable delay shall not include strikes, lockouts, work stoppages, or other labor disturbances conducted by, or on behalf of, CONTRACTOR's officers or employees.

CONTRACTOR acknowledges the importance to CITY of CITY's Project schedule and agrees to put forth its best professional efforts to perform its services under this Agreement in a manner consistent with that schedule.

11. Indemnity. To the fullest extent allowed by law, CONTRACTOR hereby agrees to defend, indemnify, and save harmless CITY and Estero Municipal Improvement District, its Council, boards, commissions, officers, employees and agents, from and against any and all claims, suits, actions liability, loss, damage, expense, cost (including, without limitation, costs and fees of litigation) of every nature, kind or description, which may be brought against, or suffered or sustained by, City of Foster City or Estero Municipal Improvement District, its Council, boards, commissions, officers, employees or agents caused by, or alleged to have been caused by, the negligence, intentional tortuous act or omission, or willful misconduct of CONTRACTOR, its officers, employees, subcontractors or agents in the performance of any services or work pursuant to this Agreement.

The duty of CONTRACTOR to indemnify and save harmless, as set forth herein, shall include the duty to defend as set forth in Section 2778 of the California Civil Code; provided, however, that nothing herein contained shall be construed to require CONTRACTOR to indemnify City of Foster City and Estero Municipal Improvement District, its Council, boards, commissions, officers, employees and agents against any responsibility or liability in contravention of Section 2782 of the California Civil Code.

CONTRACTOR's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law.

The defense and indemnification obligations of this agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained within this Agreement.

12. Insurance. CONTRACTOR shall acquire and maintain Workers' Compensation, employer's liability, commercial general liability, and owned and non-owned and hired automobile liability insurance coverage relating to CONTRACTOR's services to be performed hereunder covering CITY's risks in form subject to the approval of the City Attorney and/or CITY's Risk Manager. The minimum amounts of coverage corresponding to the aforesaid categories of insurance per insurable event, shall be as follows:

<u>Insurance Category</u>	<u>Minimum Limits</u>
Workers' Compensation	statutory minimum
Employer's Liability	\$1,000,000 per accident for bodily injury or disease
Commercial General Liability	\$1,000,000 per occurrence and \$2,000,000 aggregate for bodily injury, personal injury and property damage
Automobile Liability	\$1,000,000 per accident for bodily injury and property damage (coverage required to the extent applicable to CONTRACTOR's vehicle usage in performing services hereunder)

It shall be a requirement under this Agreement that any available insurance proceeds broader than or in excess of the specified minimum insurance coverage requirements and/or limits shall be available to the CITY as an Additional Insured. Furthermore, the requirements for coverage and limits shall be the greater of either (1) the minimum coverage and limits specified in this Agreement or (2) the broader coverage and maximum limits of coverage of any insurance policy or proceeds available to the named Insured.

CONTRACTOR agrees to include with all subcontractors in their subcontracts the same requirements and provisions of this agreement including the indemnity and insurance requirements to the extent they apply to the scope of the subcontractor's work. Subcontractors hired by CONTRACTOR shall agree to be bound to CONTRACTOR and CITY in the same manner and to the same extent as CONTRACTOR is bound to CITY under this Agreement and its accompanying documents. Subcontractors

shall further agree to include these same provisions with any sub-subcontractors. A copy of the indemnity and insurance provisions of this Agreement will be furnished to the Subcontractor upon request. CONTRACTOR shall require all subcontractors to provide a valid certificate of insurance and the required endorsements included in the subcontract agreement and will provide proof of compliance to the CITY prior to commencement of any work by the subcontractor.

Concurrently with the execution of this Agreement, CONSULTANT shall furnish CITY, on the form included as Exhibit D or similar form, with certificates and copies of information or declaration pages of the insurance required hereunder to be included as Exhibit C hereto. With respect to evidence of commercial general liability and automobile liability insurance coverage, CONSULTANT must also include in Exhibit C the following original endorsements:

- (a) Precluding cancellation or **reduction in per occurrence limits** before the expiration of thirty (30) days (10 days for nonpayment) after CITY shall have received written notification of cancellation in coverage or **reduction in per occurrence limits** by first class mail;
- (b) Naming the City of Foster City and Estero Municipal Improvement District, its Council, officers, boards, commissions, employees, and agents, as additional insureds; and
- (c) Providing that CONTRACTOR's insurance coverage shall be primary insurance with respect to City of Foster City and Estero Municipal Improvement District, its Council, officers, boards, commissions, employees, and agents, and any insurance or self-insurance maintained by CITY for itself, its Council, officers, boards, commissions, employees, or agents shall be in excess of CONTRACTOR's insurance and not contributory with it. CONTRACTOR and its insurer may not seek contribution from CITY's insurance or self-insurance.

The limits of insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of CITY, to the extent required by this Agreement, before the CITY's insurance or self-insurance may be called upon to protect CITY as a named Insured.

All self-insured retentions (SIR) must be disclosed to CITY for approval and shall not reduce the limits of liability coverage. Policies containing and SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named CONTRACTOR/Named Insured or CITY.

CITY reserves the right to obtain a full certified copy of any insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

Any and all Subcontractors shall agree to be bound to CONTRACTOR and CITY in the same manner and to the same extent as CONTRACTOR is bound to CITY under this Agreement. Subcontractors shall further agree to include the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, in any agreement with sub-subcontractors to the extent that they apply to the scope of the sub-subcontractor's work. A copy of the indemnity and insurance provisions of this Agreement shall be furnished to any subcontractor upon request.

CONTRACTOR shall maintain insurance as required by this Agreement to the fullest amount allowed by law and shall maintain insurance for a minimum of five (5) years following completion of this project or service. In the event CONTRACTOR fails to obtain or maintain completed operations coverage as required by this Agreement, the CITY at its sole discretion may purchase the coverage required and the cost will be paid by CONTRACTOR.

13. WORKERS' COMPENSATION. CONTRACTOR certifies that he is aware of the provisions of the Labor Code of the State of California 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 CONTRACTOR certifies that he will comply with such provisions before commencing the performance of the work of this agreement.
14. PREVAILING WAGES. The services to be performed include public works within the meaning of Labor Code Sections 1720 through 1861, and CONTRACTOR must comply with state laws pertaining to prevailing wage and labor requirements, as more fully described in Exhibit E attached hereto and incorporated in this Agreement by reference.
15. NON-DISCRIMINATION. The CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The CONTRACTOR will take affirmative action to ensure that applicants are employed and the employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, advancement, demotion, transfer, recruitment, or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. The CONTRACTOR shall at all times be in compliance with the requirements of the Federal Americans With Disabilities Act (Public Law 101-336) which prohibits discrimination on the basis of disability by public entities. The CONTRACTOR agrees to post in conspicuous places available to employees and applicants for employment any notices provided by the CITY setting forth the provisions of this non-discrimination clause.

16. Notice. All notices required by this Agreement shall be given to the CITY and CONTRACTOR in writing, by first class mail, postage prepaid, addressed as follows:

CITY: City of Foster City
610 Foster City Boulevard
Foster City, CA 94404-2299
Attention: [REDACTED]

CONTRACTOR: [REDACTED]
(Fill in CONTRACTOR Name, Address, Phone Number, Project Manager and Email Address for CONTRACTOR)

17. Non-Assignment. This Agreement is not assignable either in whole or in part.
18. Amendments. This Agreement may be amended or modified only by written agreement signed by both parties.
19. Validity. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.
20. Governing Law. This Agreement shall be governed by the laws of the State of California and any suit or action initiated by either party shall be brought in the County of San Mateo, California. In the event of litigation between the parties hereto to enforce any provision of the Agreement, the unsuccessful party will pay the reasonable attorney's fees and expenses of litigation of the successful party.
21. Mediation. Should any dispute arise out of this Agreement, the parties shall meet in mediation and attempt to reach a resolution with the assistance of a mutually acceptable mediator. Neither party shall be permitted to file legal action without first meeting in mediation and making a good faith attempt to reach a mediated resolution. The costs of the mediator, if any, shall be paid equally by the parties. If a mediated settlement is reached neither party shall be deemed the prevailing party for purposes of the settlement and each party shall bear its own legal costs.
22. Conflict of Interest. CONTRACTOR may serve other clients, but none who are active within the City of Foster City or who conduct business that would place CONTRACTOR in a "conflict of interest" as that term is defined in State law.
23. Entire Agreement. This Agreement, including Exhibits A, B C, D, E, and F, comprises the entire Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the date first above written by their respective officers duly authorized in that behalf.

CITY OF FOSTER CITY

Dated: _____

Jeff Moneda, City Manager
(for contracts less than \$50,000)
[REMOVE signature line if \$50,000 or more]

Dated: _____

Catherine Mahanpour, Mayor
(for contracts \$50,000 or more)
[REMOVE signature line if less than \$50,000]

ATTEST:

Dated: _____

Priscilla Schaus, City Clerk

APPROVED AS TO FORM

Dated: _____

Jean Savaree, City Attorney

CONTRACTOR

Dated: _____

Type Name & Title of CONTRACTOR
Authorized to Sign

EXHIBIT A

SCOPE OF WORK AND SCHEDULE
FOR
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (FY 2020/21 – 2022/23)

EXHIBIT B
CONTRACTOR'S FEE SCHEDULE

EXHIBIT C

INSURANCE FORMS

CONTRACTOR shall provide, in addition to the Certificates of Insurance, original Endorsement affecting the coverages specified in Section 12 - INSURANCE of the Agreement on the attached form. No substitute form will be accepted.

ATTACHED

1. Insurance Coverage Form

EXHIBIT D

This **INSURANCE COVERAGE FORM** modifies or documents insurance provided under the following:

Named Insured: _____

Effective Work Date(s): _____

Description of Work/Locations/Vehicles: _____

ADDITIONAL INSURED:

City of Foster City/Estero Municipal Improvement District (CITY)
610 Foster City Boulevard, Foster City, CA 94404

Attention: _____

Contract Administrator

Endorsement and Certificates of Insurance Required		Insurer	Policy No.
The Additional Insured, its elected or appointed officers, officials, employees and volunteers are included as insureds with regard to damages and defense of claims arising from: (Check all that apply)			
<input type="checkbox"/>	General Liability: (a) activities performed by or on behalf of the Named Insured, (b) products and completed operations of the Named Insured, (c) premises owned, leased occupied or used by the Named Insured, and/or (d) permits issued for operations performed by the Named Insured. {Note: MEETS OR EXCEEDS ISO Form # CG 20 10 11 85}		
<input type="checkbox"/>	Auto Liability: the ownership, operation, maintenance, use, loading or unloading of any auto owned, leased, hired or borrowed by the Named Insured, regardless of whether liability is attributable to the Named Insured or a combination of the Named Insured and the Additional Insured, its elected or appointed officers, officials, employees or volunteers.		
<input type="checkbox"/>	Other:		
Certificates of Insurance Required (no endorsement needed) (Check all that apply)		Insurer	Policy No.
<input type="checkbox"/>	Workers Compensation: work performed by employees of the Named Insured while those employees are engaged in work under the simultaneous directions and control of the Named Insured and the Additional Insured.		
<input type="checkbox"/>	Professional Liability:		

PRIMARY/NON-CONTRIBUTORY: This insurance is primary and is not additional to or contributing with any other insurance carried by or for the benefit of Additional Insureds.

SEVERABILITY OF INTEREST: The insurance afforded by this policy applies separately to each insured who is seeking coverage or against whom a claim is made or a suit is brought, except with respect to the insurer's limit of liability.

PROVISIONS REGARDING THE INSURED'S DUTIES AFTER ACCIDENT OR LOSS: Any failure to comply with reporting provisions of the policy shall not affect coverage provided to the Additional Insured, its elected or appointed officers, officials, employees, or volunteers.

CANCELLATION NOTICE The insurance afforded by this policy shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days' prior written notice (ten (10) days if canceled due to non-payment) by regular mail return receipt requested has been given to the Additional Insured. Such notice shall be addressed as shown above.

WAIVER OF SUBROGATION: The insurer(s) named above agree to waive all rights of subrogation against the CITY, its elected or appointed officers, officials, agents, volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the CITY.

Nothing herein contained shall vary, alter or extend any provision or condition of the Policy other than as above stated.

SIGNATURE OF INSURER OR AUTHORIZED REPRESENTATIVE OF THE INSURER

I, _____ (print/type name), warrant that I have authority to bind the above-named insurance company and by my signature hereon do so bind this company.

SIGNATURE OF AUTHORIZED REPRESENTATIVE (original signature required)

ORGANIZATION: _____ **TITLE:** _____

ADDRESS: _____

TELEPHONE: () _____ **DATE ISSUED:** _____

EXHIBIT E

LABOR CODE REQUIREMENTS FOR PUBLIC WORKS PROJECTS

1. **Public Works Project/ Prevailing Wage.** The work to be performed under this Agreement is for "Public Works" within the meaning of Labor Code Sections 1720 to 1861. CONTRACTOR must therefore comply with state prevailing wage and labor law (California Labor Code Sections 1720 to 1780, California Code of Regulations, Chapter 8, Subchapter 3, commencing with Section 16000) for work performed under this Agreement. CONTRACTOR's obligations under prevailing wage and labor compliance laws include, among other things, to: pay at least the applicable prevailing wage and travel and subsistence payments for public works activities performed under this Agreement; comply with overtime and working hour requirements; comply with apprenticeship obligations; comply with payroll recordkeeping requirements; and comply with other obligations as required by law. Copies of the applicable prevailing wage rates are on file with the CITY's Project Manager, and shall be made available to any interested party upon request. CONTRACTOR shall ensure that the above requirements are included in all its contracts and any lower tier subcontracts for activities for the Project.
2. **Registration with Department of Industrial Relations.** This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. CONTRACTOR must be registered with the Department of Industrial Relations under Labor Code section 1725.5 when bidding and throughout performance of this agreement.
3. **Wage Rates.**
 - 3(A). It shall be mandatory upon CONTRACTOR and upon any subcontractor to pay not less than the specified rates to all laborers, workers, and mechanics employed in the execution of the Contract. It is further expressly stipulated that CONTRACTOR shall, as a penalty to CITY, forfeit two hundred dollars (\$200.00) for each calendar day, or portion thereof, for each laborer, worker, or mechanic paid less than the stipulated prevailing rates for any work done under this Agreement by CONTRACTOR or by any subcontractor; and CONTRACTOR agrees to comply with all provisions of Section 1775 of the Labor Code.
 - 3(B). 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 set forth in the Agreement. The possibility of wage increases is one of the elements to be considered by the CONTRACTOR in determining its bid, and will not under any circumstances be considered as the basis of a claim against the CITY on the Agreement.
4. **Payroll Records.** The CONTRACTOR and each subcontractor must comply with Labor Code Section 1776 and all requirements of contractors stated therein for the

maintenance, inspection and certification of payroll records. The CONTRACTOR and each subcontractor who fails to timely furnish payroll records or make the records available for inspection will forfeit to the CITY the penalty for non-compliance set forth in Labor Code Section 1776 for their respective failure.

5. **Discrimination**. The CONTRACTOR and each subcontractor must comply with the anti-discrimination requirements of Labor Code Section 1777.6.

EXHIBIT F

A. Required Provisions On Contract Claim Resolution

Any claim arising under this contract which the CONTRACTOR wishes to assert against the City/District shall be governed by California Public Contract Code Section 9204. Claims which do not exceed three hundred seventy-five thousand dollars (**\$375,000**) are also subject to the provisions of Article 1.5 of the California Public Contract Code (commencing with Section 20104). Pursuant to California Public Contracts Code Section 9204, claims shall be resolved as follows:

1.
 - (a) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.
 - (b) The claimant shall furnish reasonable documentation to support the claim, pursuant to Document 00 7200 (General Conditions), Article 12.
 - (c) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.
 - (d) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.
2.
 - (a) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.
 - (b) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and 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 this section.

- (c) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.
 - (d) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.
 - (e) This section does not preclude a public entity 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.
- 3. Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.
 - 4. Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.
 - 5. If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

B. Compliance With Americans With Disabilities Act

- 1. CONTRACTOR acknowledges that, pursuant to the Americans with Disabilities Act (**ADA**), programs, services and other activities provided by a public entity to the public, whether directly or through a Contractor, must be accessible to the disabled public. CONTRACTOR

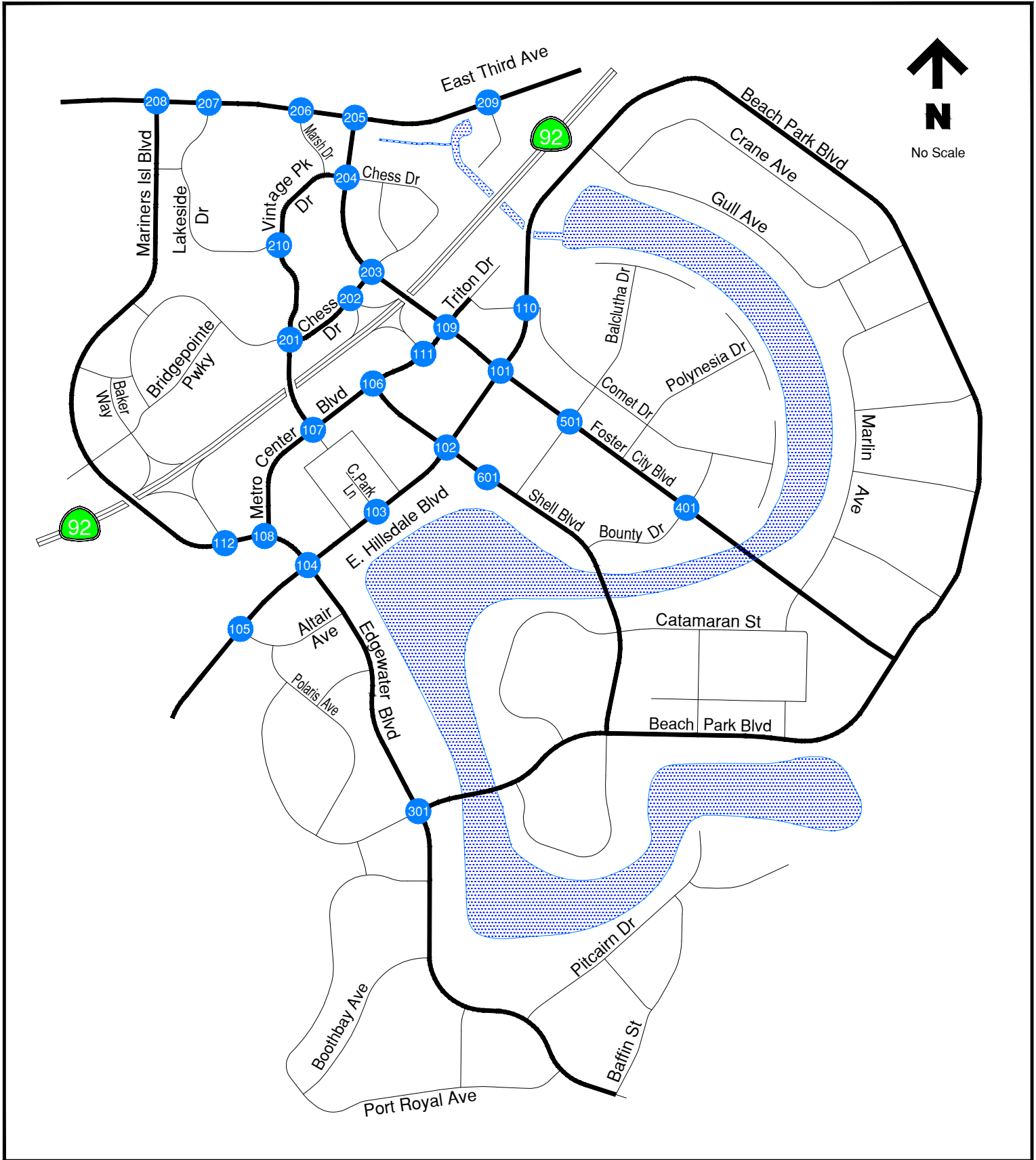
shall provide the services specified in the Contract Documents in a manner that complies with the ADA and any and all other applicable federal, state and local disability rights legislation. CONTRACTOR agrees not to discriminate against disabled persons in the provision of services, benefits or activities provided under the Contract Documents and further agrees that any violation of this prohibition on the part of CONTRACTOR, its employees, agents or assigns shall constitute a material breach of the Contract Documents.

C. Compliance With IRCA

1. CONTRACTOR acknowledges that CONTRACTOR, and all subcontractors hired by CONTRACTOR to perform services under this Agreement, are aware of and understand the Immigration Reform and Control Act (**IRCA**). CONTRACTOR is and shall remain in compliance with the IRCA and shall ensure that any subcontractors hired by CONTRACTOR to perform services under this Agreement are in compliance with the IRCA. In addition, CONTRACTOR agrees to indemnify, defend and hold harmless Owner, its agents, officers and employees, from any liability, damages or causes of action arising out of or relating to any claims that CONTRACTOR's employees, or employees of any subcontractor hired by CONTRACTOR, are not authorized to work in the United States for CONTRACTOR or its subcontractor and/or any other claims based upon alleged IRCA violations committed by CONTRACTOR or CONTRACTOR's subcontractors.

ATTACHMENTS

Attachment 1	Traffic Signal Locations
Attachment 2	Traffic Signal Inventory
Attachment 3	Parks & Parking Lot Light Locations
Attachment 4	Parks & Parking Lot Light Inventory
Attachment 5	Boulevard Single-Arm Electrolier & Foundation
Attachment 6	Boulevard Double-Arm Electrolier & Foundation
Attachment 7	Residential Electrolier & Foundation



CITY OF FOSTER CITY, CALIFORNIA	
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)	ATTACHMENT 1
TRAFFIC SIGNAL LOCATIONS	

TRAFFIC SIGNAL INVENTORY

No.	Location	Backup Power	Vehicle Detection	PPB	Mast Arms	Signal Section Lights			Ped Heads Countdown	IISNS
						Incan	LED Ball	LED Arrow		
101	E. Hillsdale Blvd & Foster City Blvd	Generator	Video	8	4	—	36	24	8	4
102	E. Hillsdale Blvd & Shell Blvd	Generator	Video/Loops	8	4	—	36	24	8	4
103	E. Hillsdale Blvd & Center Park Ln	Battery	Video	8	2	—	27	6	6	3
104	E. Hillsdale Blvd & Edgewater Blvd	Generator	Video	8	4	—	36	24	8	4
105	E. Hillsdale Blvd & Altair Ave	Battery	Video/Loops	8	4	—	30	20	8	4
106	Metro Center Blvd & Shell Blvd	Battery	Loops	8	4	—	36	24	8	4
107	Metro Center Blvd & Vintage Park Dr	Battery	Loops	8	4	—	36	24	8	4
108	Edgewater Blvd & Metro Center Blvd	Generator	Loops	8	3	—	36	19	8	4
109	Foster City Blvd & Metro Center Blvd	Battery	Video	6	4	—	33	30	6	4
110	E. Hillsdale Blvd & Pilgrim Dr	Battery	Video	8	4	—	36	12	8	4
111	Metro Center Blvd & State Route 92	Battery	Video	2	5	—	38	34	2	4
112	Edgewater Blvd & State Route 92	Battery	Video	6	4	—	36	21	6	4
113	Fire Station Emergency Signal	Generator	None	—	2	—	27	—	—	—
201	Chess Dr & Vintage Park Dr	Battery	Video	8	4	—	36	24	8	4
202	Chess Dr & State Route 92	Battery	Video	6	2	—	30	20	6	2
203	Foster City Blvd & Chess Dr	Battery	Video	4	4	—	30	26	4	4
204	Foster City Blvd & Vintage Pk Dr/Chess Dr	Battery	Video	8	3	—	33	20	8	4
205	Foster City Blvd & E. Third Ave	Battery	Video	5	3	—	27	10	4	3
206	E. Third Ave & Marsh Dr	Battery	Loops	6	3	—	24	9	4	3
207	E. Third Ave & Lakeside Dr	Battery	Video	6	4	—	30	18	4	4
208	E. Third Ave & Mariners Island Blvd	Battery	Video	6	4	—	36	20	4	4
209	E. Third Ave & Lincoln Centre Dr	Battery	Video	4	3	—	24	4	4	3
210	Vintage Park Dr & Lakeside Dr	Battery	Video	8	4	—	36	12	8	4
301	Edgewater Blvd & Beach Park Blvd	Battery	Video	8	4	—	39	16	8	4
401	Foster City Blvd & Bounty Dr	Battery	Loops	8	4	—	30	20	8	4
501	Foster City Blvd & Balclutha Dr	Battery	Loops	8	4	—	42	12	8	4
601	Shell Blvd & Recreation Center	Battery	Loops	8	4	—	42	12	8	4

NOTES:

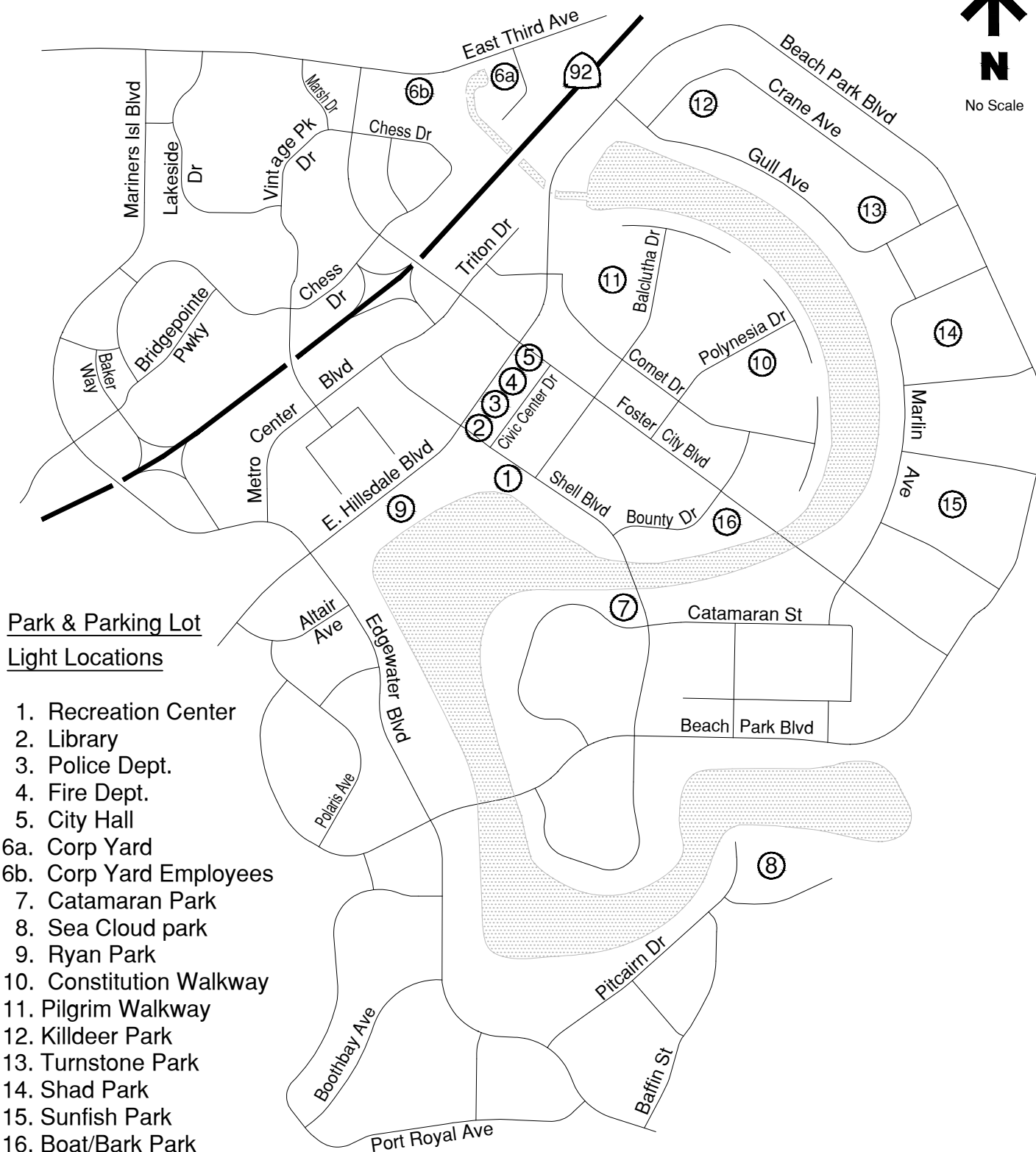
1. EXCEPT AS NOTED, ALL INTERSECTIONS ARE CONNECTED TO THE CENTRAL SYSTEM BY INTERCONNECT.
2. INTERSECTIONS 301 & 401 ARE CONNECTED TO THE CENTRAL SYSTEM BY TELEPHONE.
3. INTERSECTIONS 501 & 601 ARE CONNECTED TO THE CENTRAL SYSTEM VIA RADIO TO INTERSECTION 401.
4. EXCEPT AS NOTED, ALL INTERSECTIONS ARE EQUIPPED WITH NAZTEC TS2 TYPE 2 CONTROLLERS.
5. INTERSECTIONS 209 & 210 ARE EQUIPPED WITH NAZTEC TS2 TYPE 1 CONTROLLERS WITH ETHERNET AND USB.
6. THE FIRE STATION EMERGENCY SIGNAL IS EQUIPPED WITH A TRACONEX 390 CONTROLLER.
7. ALL INTERSECTIONS HAVE ALL-WAY EMERGENCY VEHICLE PREEMPTION SYSTEMS INSTALLED.
8. INTERSECTIONS 209, 210 & 301 ARE EQUIPPED WITH APS PEDESTRIAN PUSH BUTTONS.
9. THE CITY HAS A CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECT CURRENTLY IN DESIGN PHASE, WHICH WILL INSTALL A TOTAL OF 14 LEFT TURN RESTRICTION DYNAMIC SIGNAGE AT INTERSECTIONS 102 & 104.

CITY OF FOSTER CITY, CALIFORNIA

TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

TRAFFIC SIGNAL INVENTORY

ATTACHMENT 2



CITY OF FOSTER CITY, CALIFORNIA

TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

PARKS & PARKING LOT LIGHT LOCATIONS

ATTACHMENT 3

PARKS & PARKING LOT LIGHT INVENTORY

No. & Location (See Attachment 3)	HPS			Metal Halide					Other
	150w	250w	400w	100w	175w	250w	400w	1000w	
① Recreation Center	9	-	-	11	-	-	-	16	5♦
② Library	-	-	-	-	28	-	-	-	-
③ Police Dept	-	-	9	-	-	-	-	-	-
④ City Hall	27	-	-	21	-	-	-	-	18♦♦
⑤ Corp Yard	-	10	-	-	-	-	-	-	-
⑥ Corp Yard Employees	-	9	-	-	-	-	-	-	-
⑦ Catamaran Park	2	-	-	-	5	-	4	8	-
⑧ Sea Cloud Park	40	-	-	-	-	-	-	-	-
⑨ Ryan Park	-	-	-	12	28	6	-	-	-
⑩ Constitution Walkway	3	-	-	-	-	-	-	-	-
⑪ Pilgrim Walkway	3	-	-	-	-	-	-	-	-
⑫ Killdeer Park	-	-	-	-	6	-	-	-	-
⑬ Turnstone Park	-	-	-	-	5	-	-	-	-
⑭ Shad Park	-	-	-	-	8	-	-	-	-
⑮ Sunfish Park	-	-	-	-	8	-	-	-	-
⑯ Boat/Bark Park	-	-	-	4	6	-	-	-	-
TOTAL	84	19	9	48	89	6	4	24	23

♦ = Red Poles Near Tennis Courts

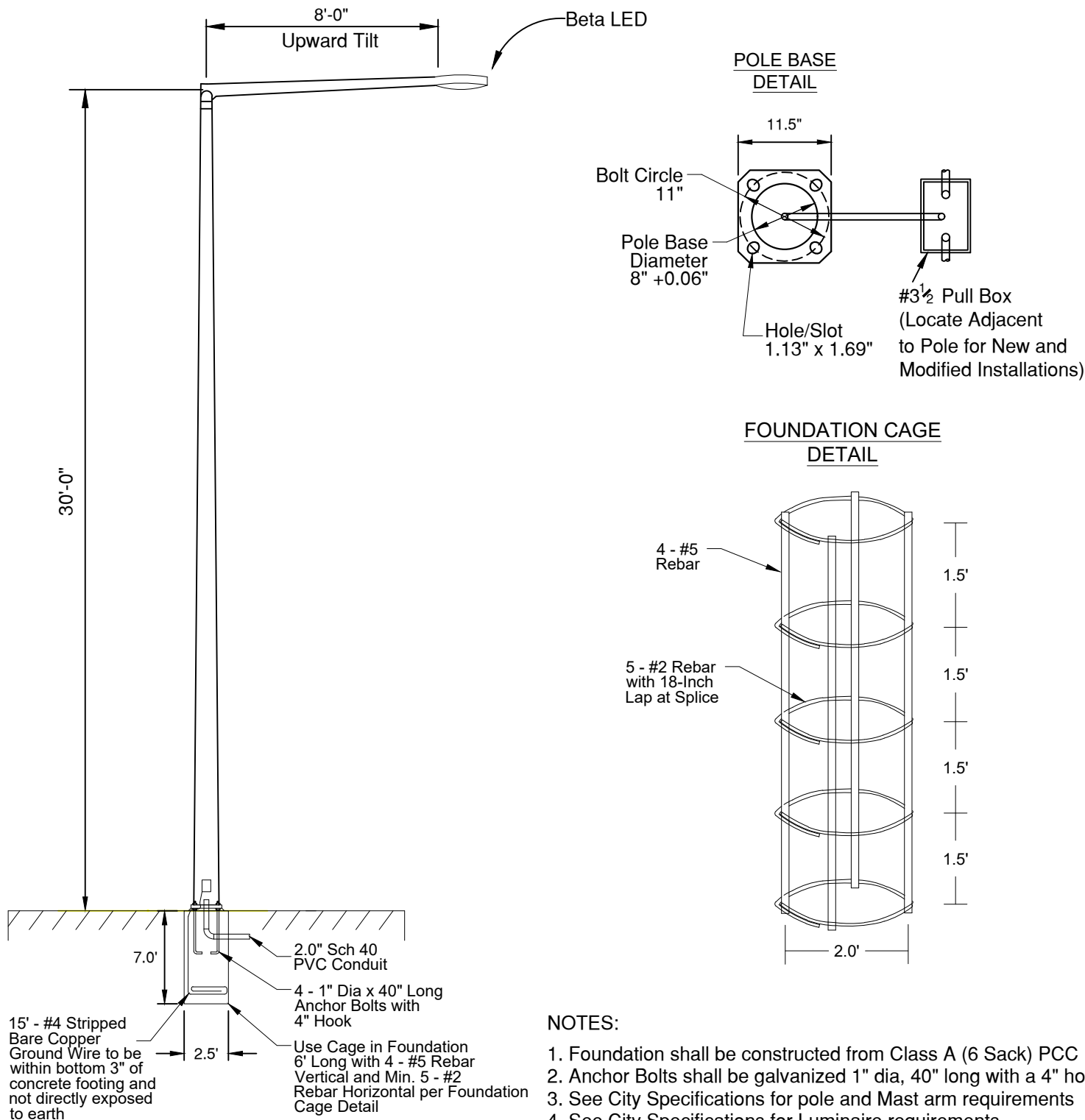
♦♦ = 35 MH In Ground

CITY OF FOSTER CITY, CALIFORNIA

TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

PARKS & PARKING LOT LIGHT INVENTORY

ATTACHMENT 4

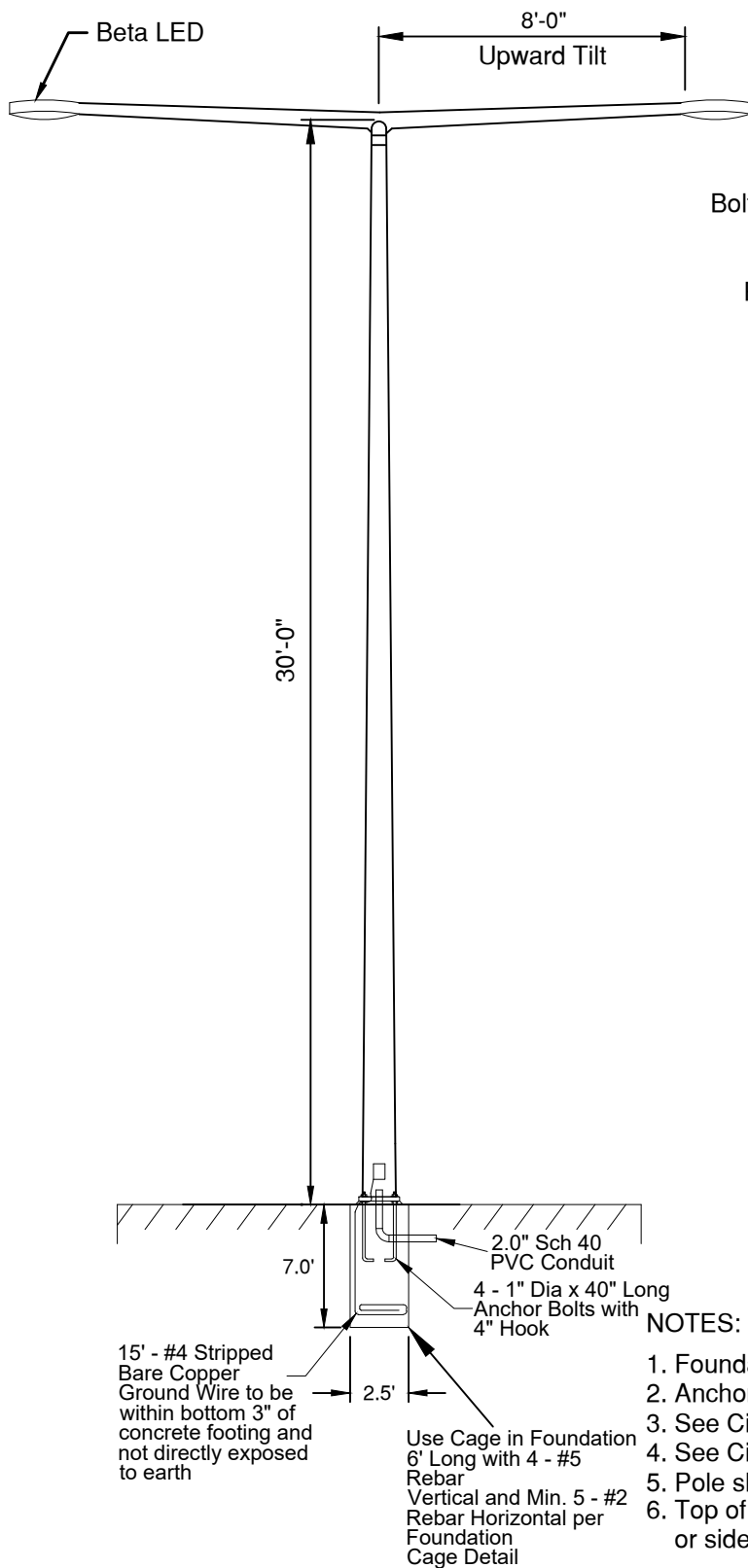


CITY OF FOSTER CITY, CALIFORNIA

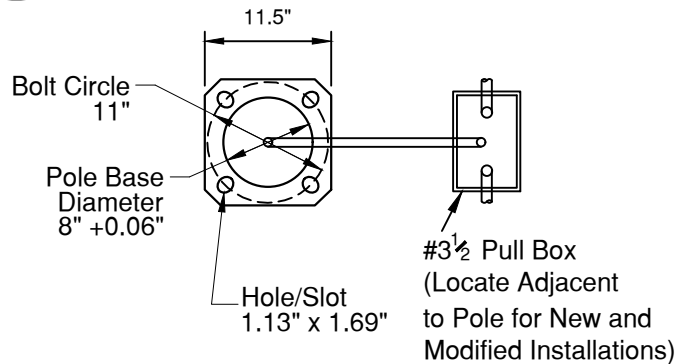
TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

BOULEVARD SINGLE-ARM ELECTROLIER & FOUNDATION

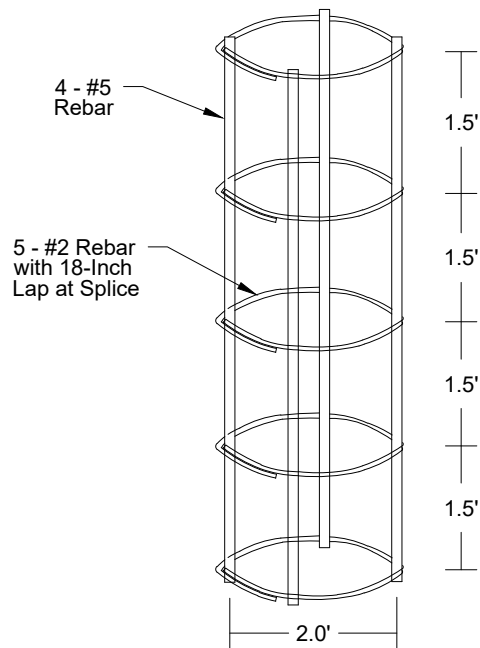
ATTACHMENT 5



POLE BASE DETAIL



FOUNDATION CAGE DETAIL



NOTES:

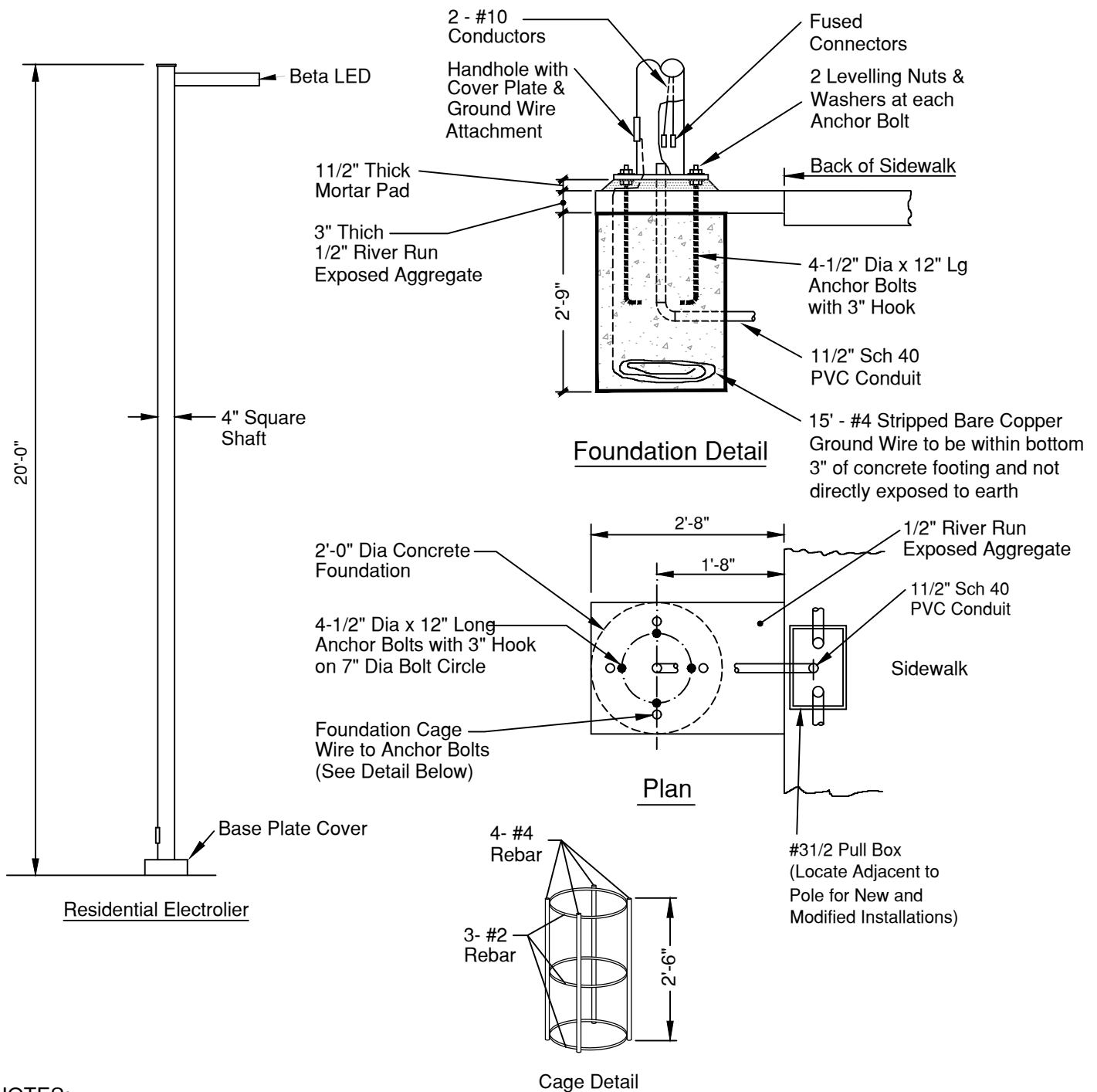
1. Foundation shall be constructed from Class A (6 Sack) PCC
2. Anchor Bolts shall be galvanized 1" dia, 40" long with a 4" hook
3. See City Specifications for pole and Mast arm requirements
4. See City Specifications for Luminaire requirements
5. Pole shall be erected plumb and square
6. Top of foundation shall be finished and trimmed to adjacent curb or sidewalk grade.

CITY OF FOSTER CITY, CALIFORNIA

TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

BOULEVARD DOUBLE-ARM ELECTROLIER & FOUNDATION

ATTACHMENT 6



NOTES:

1. Foundation shall be constructed from Class A (6 Sack) PCC
2. Anchor Bolts shall be galvanized 1/2" dia, 12" long with a 3" hook
3. See City Specifications for pole and Mast arm requirements
4. See City Specifications for Luminaire requirements
5. Pole shall be erected plumb and square

CITY OF FOSTER CITY, CALIFORNIA

TRAFFIC SIGNAL & LIGHTING MAINTENANCE (2020-2023)

RESIDENTIAL ELECTROLIER & FOUNDATION

ATTACHMENT 7