



PUBLIC WORKS DEPARTMENT

SPECIAL PROVISIONS

FOR CONSTRUCTION OF

**LED Street Lights Conversion Phase 6
Project No. WD23017**

**Mandatory Job Walk: N/A
Bid Opens: November 30, 2023, 2 p.m.**

CONTRACTOR MUST HAVE A CLASS "C-10" LICENSE

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SPECIAL PROVISIONS FOR LED Street Lights Conversion Phase 6 PROJECT No. WD23017

SPECIAL NOTES

1. Official bid documents including plans and specifications are available online at: http://www.stocktongov.com/services/business/bidflash/pw.html?dept=Public_Works

All bids submitted for this project must conform to the requirements of the official bid documents, including specifications and plans.

SECTION 1 SPECIFICATIONS AND PLANS

1-1.01 Specifications

The work described herein shall be done in accordance with the current City of Stockton, Department of Public Works, Standard Specifications and the current Editions of the State of California, Department of Transportation Standard Specifications and Standard Plans and in accordance with the following Special Provisions. To the extent the California Department of Transportation Standard Specifications implement the STATE CONTRACT ACT they shall not be applicable since the City of Stockton is not subject to said ACT.

In case of conflict or discrepancy between any of the Contract Documents, the order of documents listed below shall be the order of precedence, with the first item listed having the highest precedence:

1. Contract Change Order (changes last in time are first in precedence)
2. Addenda to Contract Agreement
3. Contract Agreement
4. Permits
5. Notice Inviting Bids and Instructions to Bidders
6. Project Drawings
7. City of Stockton Standard Specifications
8. Special Provisions
9. Caltrans Standard Specifications
10. City of Stockton Standard Drawings
11. Caltrans Standard Plans

With regards to discrepancies or conflicts between written dimensions given on drawings and the scaled measurements, the written dimensions shall govern.

With regards to discrepancies or conflicts between large-scale drawings and small-scale drawings, the larger scale shall govern.

With regards to discrepancies or conflicts between detailed drawings and referenced standard drawings or plans, the detailed drawings shall govern.

In the event where provisions of codes, safety orders, contract documents, referenced manufacturer's specifications or industry standards are in conflict, the more restrictive and higher quality shall govern. Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in these specifications, the Special Provisions, or the plans, the Contractor shall apply to the Engineer in writing for such further explanations as may be necessary and shall conform to them as part of the contract. All responses from the Engineer shall also be in writing. In the event of any doubt or question arising respecting the true meaning of these specifications, the Special Provisions or the plans, reference shall be made to the Engineer, whose decision thereon shall be final.

1-1.02 Contractor's Responsibility

The Contractor shall examine carefully the site of the work and the plans and specifications therefore. The Contractor shall investigate to their satisfaction as to conditions to be encountered, the character, quality and quantity of surface, subsurface materials or obstacles to be encountered, the work to be performed, materials to be furnished, and as to the requirements of the bid, plans and specifications of the contract.

1-1.03 Terms and Definitions

Wherever in the Standard Specifications, Special Provisions, Notice to Contractors, Proposal, Contract, or other contract documents the following terms are used, the intent and meaning shall be interpreted as follows:

City or Owner -	City of Stockton
CA-MUTCD -	Latest edition of the California Manual on Uniform Traffic Control Devices and any amendments and revisions thereto
Director -	Director of Public Works, City of Stockton
Standard Specifications -	City of Stockton Latest Standard Plans and Specifications and any amendments and revisions thereto.
Caltrans Specifications -	Current and Latest State of California, Department of Transportation, and any amendments or revisions thereto.
Department -	Department of Public Works, City of Stockton
Engineer -	City Engineer, City of Stockton, acting either directly or through properly authorized Engineer, agents and consultants.
Working Day -	Defined as any eight (8) hour day, except as follows: Saturdays, Sundays, City-observed holidays, and other days the City is closed as shown on the City of Stockton Working Calendar, days on which the Contractor is prevented by inclement weather or conditions resulting immediately there from adverse to the current controlling operation or operations, as determined by the Engineer, from proceeding with at least 75 percent of the normal labor and equipment force engaged on that operation or operations for at least 60 percent of the total daily time being currently spent on the controlling operation or operations.

SECTION 2 PROPOSAL REQUIREMENTS AND CONDITIONS

2-1.01 General

The bidder's attention is directed to the "Notice to Bidder" for the date, time and location of the Pre-Bid meeting, if applicable. Refer to the City of Stockton's Bid Flash webpage:

<http://www.stocktongov.com/services/business/bidflash/default.html>

SECTION 3 AWARD AND EXECUTION OF CONTRACT

3-1.01 Addendum and Bid Inquiries

The addendum and bid inquiries will be posted on the City website. An email notification will be issued to all registered plan-holders. It is the contractor's/sub-contractor's sole responsibility to register as a plan holder. If a firm is not registered as a plan holder, they will not receive the notifications about addendum/bid inquiries/other information related to the project. To register as a plan holder, please send an email to Katrina Tavares at Katrina.Tavares@stocktonca.gov referencing the project name. Bid inquiries will not be accepted within 5 calendar days of bid opening date.

3-1.02 Contract Award

Each prospective bidder shall be required to bid on all items. Failure to bid an item shall be just cause for considering the bid as non-responsive. The City reserves the right to reject all bids. The bidders must be responsible and their bids must be responsive.

If the City awards the Contract, the basis of the award will be the responsible bidder with the **lowest bid** whose proposal complies with all requirements prescribed.

The contract shall be executed by the successful bidder and shall be returned, along with the contract bonds, so that it is received by the City within ten (10) working days after the bidder has received the contract for execution. Failure to do so shall be just cause for forfeiture of the proposal guaranty. The executed contract documents shall be delivered to the following address:

Attention: Adriana Garibay
City of Stockton
Public Works Department
1465 S. Lincoln Street Stockton, CA 95206

3-1.03 Bid Protest

All parties wishing to file a protest shall comply with the procedures set forth below:

All protests regarding the bidding process or award, or intended award, of any contract must be submitted in writing to the City Attorney on or before 5:00 p.m. of the fifth business day following the opening of all bids, unless a different time period is specified in the Notice Inviting Bids or other bid solicitation documents. All protests must be addressed to:

City Attorney
City of Stockton
425 North El Dorado Street, 2nd Floor
Stockton, CA 95202

The party filing the protest must have submitted a bid for the work. A subcontractor of a bidder may not submit a bid protest.

The protest shall contain a complete statement specifying in detail the grounds of the protest and the facts in support thereof. The protest must be hand delivered or send via mail so that the City Attorney receives it within the time period set forth above. The protest documents must include the following:

- A complete statement of the factual and legal basis for the protest;
- The protest must include the name, address and telephone number of the person representing the protesting party; and
- The protesting party must concurrently transmit a copy of the written protest document and any attached documentation to all other bidders who may have a reasonable prospect of receiving the award depending on the outcome of the protest.

The procedure and time limits set forth herein are mandatory and the bidder's sole and exclusive remedy in the event of a protest. No bidder may bring an action or proceeding challenging the bidding process or any award, or intent to award, any contract unless the above procedures are followed. The failure of a party originating a protest to comply with these procedures shall constitute a waiver of any right to further pursue the protest, including filing a government code claim or legal proceeding. The City reserves the right to modify the bid protest procedures in the Notice Inviting Bids or other bid solicitation documents and to require any protesting party to submit additional or clarifying information or documentation in support of any protest.

3-1.04 Contract Execution

The bidder's attention is directed to the provisions in Section 3, "Contract Award and Execution," of the Caltrans Specifications and these Special Provisions for the requirements and conditions concerning award and execution of the contract. Bid protests are to be delivered to the address noted above.

SECTION 4 BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES

4-1.01 Beginning of Work

The Contractor shall perform and complete the proposed work in a thorough and workmanlike manner, and to furnish and provide in connection therewith all necessary labor, tools, implements, equipment materials and supplies.

Attention is directed to the provisions in Section 8-1.04B, "Standard Start," of the Caltrans Standard Specifications and these Special Provisions.

At no time shall construction begin without receiving notice that the contract has been approved by the City Attorney or an authorized representative. The Contractor shall follow the sequence of construction and progress of work as specified in Section 9-1.02, "Order of Work," and Section 9-1.03 Prosecution and Progress" of these Special Provisions.

The Contractor shall diligently prosecute all work items to completion.

4-1.02 Time of Completion

Attention is directed to the provisions in Section 8-1.05, "Time" of the Caltrans Standard Specifications and these Special Provisions.

The contract for the performance of the work and the furnishing of materials shall commence within ten (10) calendar days from the Notice to Proceed date and shall be diligently prosecuted to completion before the expiration of the working days specified in this section from the date of said commencement.

The Contractor shall diligently prosecute the contract work to completion within **forty (40) working days**. The days to finish the punch list, provided by the City, are included in the Working Days.

Should the Contractor choose to work on a Saturday, Sunday, City Holidays or on a holiday recognized by the labor unions, the Contractor shall reimburse the City of Stockton the actual cost of engineering, inspection, testing, superintendent, and/or other overhead expenses which are directly chargeable to the contract. Should such work be undertaken at the request of the City, reimbursement will not be required.

4-1.03 Liquidated Damages

Attention is directed to the provisions in Section 8-1.10, "Liquidated Damages," of the Caltrans Specifications and these Special Provisions.

The Contractor shall pay liquidated damages to the City of Stockton in the amount of **\$1,900** (One Thousand Nine Hundred Dollars) per day for each and every calendar day that the work remains incomplete after expiration of the contract working days specified in these Special Provisions. Liquidated damages assessment applies to base bid and bid alternate if awarded.

In addition, the Contractor shall pay the following sums for the associated liquidated damages:

Failure to provide and/or non-compliance to or violation of accepted construction scheduling and/or phasing, per Section 5-1.08 and 5- 1.12	\$250.00	per each calendar day
Failure to provide and/or non-compliance with accepted Traffic Control Plans per Section 5-1.08	\$250.00	per each calendar day
Failure to provide adequate Project Site Maintenance 24/7, per Sections 5-1.08, and 5-1.17	\$250.00	per each calendar day
Failure to appropriately respond to the notice of the street lights failure (newly installed) of the notification, per Section 10-1.10	\$500.00	per each calendar day

Failure to follow proper procedure for storage of equipment and/or materials in public streets, per Section 5-1.26	\$250.00	per each calendar day/incident
Failure to provide adequate advance notices to RTD, Fire Comm, Police, Schools for sidewalks and lane closures	\$500.00	per each day/incident

4-1.04 CITY OF STOCKTON HOLIDAY SCHEDULE FOR 2023

Monday, January 16, 2023.....	Martin Luther King, Jr.'s Birthday
Monday, February 13, 2023.....	Lincoln's Birthday Observance
Monday, February 20, 2023.....	Washington's Birthday
Monday, May 29, 2023.....	Memorial Day
Tuesday, July 04, 2023.....	Independence Day
Monday, September 04, 2023	Labor Day
Monday, October 09, 2023.....	Columbus Day
Friday, November 10, 2023	Veteran's Day
Thursday and Friday, November 23 and 24, 2023.....	Thanksgiving Holidays
Monday, December 25, 2023.....	Christmas Day
Monday, January 01, 2024.....	New Year's Day

Similar holidays are scheduled in year 2024.

Full compensation for any costs required to comply with the provisions in this section shall be considered to be included in the prices paid for the various contract items of work and no additional compensation will be allowed, therefore.

SECTION 5 GENERAL

5-1.01 Understanding of Conditions

Bidders will be required to carefully examine these Special Provisions and attachments to judge for themselves as to the nature of the work to be done and the general conditions relative thereto and the submission of a proposal hereunder shall be considered prima-facie evidence that the bidder has made the necessary investigation and is satisfied with respect to the conditions to be encountered, the character, quantity and quality of the work performed.

Bidders must be thoroughly competent and capable of satisfactorily performing the work covered by the proposal, and when requested, shall furnish such statements relative to previous experience on similar work, the plan or procedure proposed, and the organization and the equipment available for the contemplated work, and any other as may be deemed necessary by the Project Engineer in determining such competence and capability.

It shall be understood that the Contractor shall be required to perform and complete the proposed work in a thorough, workmanlike and professional manner, and to furnish and provide in connection therewith all necessary labor, tools, equipment, materials, and supplies. The Contractor is responsible to take all necessary precautions and use best practices in the industry to perform all work require completing the project.

5-1.02 Location

See attached list of locations, which include estimated quantities and other details.

5-1.03 Partial Payment

The five percent (5%) retention withheld of all construction payments will remain with the City until thirty-five (35) calendar days after the date the Notice of Completion is recorded.

5-1.04 Guaranty/Warranty

The work furnished under these specifications shall be guaranteed for a period of one (1) year from date of acceptance by the Engineer thereof against defective materials, equipment and workmanship. Upon receipt of notice from the City of failure of any part of the materials, equipment, or workmanship during the guaranty period, the affected part or parts shall be replaced with new material and/or equipment, and at the expense of the Contractor within two weeks of the Engineer's notification date. If any LED luminaire(s) is found to be defective in workmanship within the seven days of the installation, the Contractor shall repair it within 10 calendar days from notification.

5-1.05 Construction Control

The City reserves the right to order discontinuance of any equipment in use. This will be determined at the discretion of the Engineer on the basis that the use of said equipment would prohibit obtaining the best possible result.

Additional operated equipment may be requested by the Engineer for the above reasons. Failure to comply with the Engineer's request concerning equipment use or removal will be deemed sufficient cause for shutting down all work until the requirements are met. Days lost for this type of shutdown will be charged as workable days.

5-1.06 Inspection

All work under this contract shall be under the control and inspection of the Engineer or his/her appointed representative. The Contractor shall be responsible for notifying the Engineer forty-eight (48) hours in

advance of all stages of construction to arrange for inspection. The Contractor/sub-contractor shall report to the Engineer before starting the work on each working day.

5-1.07 Environmental Protection

The Contractor shall be responsible for all applicable permits, licenses and fees required for the construction and completion of the project.

Any Contractor or person engaged in activities that will or may result in pollutants entering the City storm drainage system shall undertake all practicable measures to reduce the introduction of such pollutants. The Contractor shall be fully responsible for removing the materials out of the storm system irrespective of its condition before the construction work.

The Contractor shall follow Caltrans' best management practices regarding environmental protection and comply with all City regulations, ordinances, and City Storm Water Quality Control Criteria Plan. It is available for download at:

<http://www.stocktongov.com/government/departments/municipalUtilities/utilStorm.html>

The Contractor shall winterize the project and apply the proper protected measures at all existing drain inlets within the project boundary and maintain them through the winter season.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all work involved in environmental protection shall be included in the various bid items and no additional compensation will be made therefore.

5-1.08 Maintaining Public Convenience and Safety

Attention is directed to Section 7-1.03, "Public Convenience," Section 7-1.04, "Public Safety," and 12, "Temporary Traffic Control," of the Caltrans Standard Specifications and these Special Provisions. Adequate ingress and egress shall be maintained through the site for residents, police, fire, and other emergency vehicles. The Contractor shall provide the City with an Emergency Contacts List which includes the name and telephone number (business, home, and mobile) of three (3) representatives available at all times for the duration of the contract.

All traffic plans shall conform to the applicable provisions of the latest and amended "California Manual on Uniform Traffic Control Devices." The Contractor shall submit a construction area traffic control/detour plan for approval by the Engineer before the commencement of any work. Traffic control/detour plan shall show the placement of signs, barricades, delineators, and other traffic control devices required by Contractor's operation. Contractor shall submit the various scenarios for lane closures from the latest and amended MUTCD that are applicable to this project. Traffic Control plans shall be designed and stamped by a licensed Traffic or Civil Engineer and submitted to the Engineer for review and approval.

The Contractor shall furnish, install, and maintain in good working order all cones, delineators, barricades, arrow boards, direction signs, and flashers until project completion. All safety devices, their maintenance, and use shall conform to the latest requirements of OSHA. It shall be the complete responsibility of the Contractor to protect persons from injury and to avoid property damage. Whenever required, flagmen shall be provided to control traffic. The Contractor shall provide for the proper routing of vehicles and pedestrian traffic in a manner that will hold congestion and delay of such traffic to a practicable minimum by furnishing, installing, and maintaining all necessary temporary signs, barricades and other devices and facilities as approved by the Engineer. As the work progresses, the Contractor shall relocate such devices and facilities as necessary to maintain proper routing. Unless otherwise specified, upon conclusion of the need therefore, all temporary traffic routing devices and facilities shall be removed from the site of the work by the Contractor within 48 hours of completion of construction at that site.

The Contractor is allowed only one (1) lane-closure in each direction during daytime. Each traffic lane shall

not be less than twelve (12) feet wide, unless approved by the Engineer in writing. Any deviations from the approved traffic control plan, however minute, must be notified to and approved by the Engineer.

Normal working hours and lane closures for all items of work are allowed only during **8:30 AM to 4:30 PM**. The Engineer may restrict or alter the hours of work on a particular street due to traffic or other considerations.

The unit bid price for various bid items, whether used partially, completely or not, includes full compensation for furnishing all labor, materials, tools, equipment, incidentals, overhead and mark-up, and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of traffic control as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

Nothing in these Special Provisions shall be construed as relieving the Contractor from his responsibility as provided in this section.

5-1.09 Maintaining Pedestrian Access

When a pedestrian circulation path is temporarily closed by construction, alterations, maintenance operations, or other conditions, an alternate pedestrian access route complying with sections 6D.01, 6D.02, and 6G.05 of the MUTCD shall be provided.

Whenever possible work should be done in a manner that does not create a need to detour pedestrians from existing pedestrian routes. Extra distance and additional pedestrian street crossings add complexity to a trip and increase exposure of risk to accidents. The alternate pedestrian routes shall be accessible and detectable, including warning pedestrians who are blind or have low vision about sidewalk closures. Proximity-actuated audible signs are a preferred means to warn pedestrians who are blind or have low vision about sidewalk closures.

The surface shall be skid-resistant and free of irregularities. Pedestrian walkways shall be maintained in good condition and shall be suitable for wheelchair use. Walkways shall be kept clear of obstructions. The Contractor shall cause the least possible disruption to the affected properties and restore suitable pedestrian access immediately following completion of the active work in progress.

At least one (1) continuous walkway along one (1) side of the street shall be available at all times. At locations where work is actively in progress, the pedestrian walkway within a single block may be temporarily closed at one end of the block along one (1) side of the street. Pedestrians shall be rerouted to the walkway on the opposite side of the street.

Minor deviations from the requirements of this section, which do not significantly change the cost of the work, may be permitted upon the written request of the Contractor if, in the opinion of the Engineer, public traffic will be better served, and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved them in writing. All other modifications will be made by contract change order.

The Contractor shall cause the least possible disruption to the affected properties and restore suitable pedestrian access immediately following completion of the active work in progress. Minor deviations from the requirements of this section, which do not significantly change the cost of the work, may be permitted upon the written request of the Contractor if, in the opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved them in writing. All other modifications will be made by contract change order.

Full compensation for maintaining pedestrian access shall be included in the contract price for traffic control, and no additional compensation will be allowed.

5-1.10 Encroachment Permit from City, County, Utilities, Railroads and Others

Attention is directed to Section 5-1.20B, "Permits, Licenses, Agreements, and Certifications," of the Caltrans Specifications and these Special Provisions. The following is not an all-inclusive list of the required permits and/or licenses, if applicable:

- Encroachment Permit. Contractor shall obtain a City of Stockton encroachment permit and pay all required fees from all affected owners of right-of-way. Encroachment permit and fees must be obtained from the City Permit Center (209-937-8366) before the start of construction.
- Contractor's License. Contractor shall possess a valid California C-10 Contractor License at the time of bid and maintain it throughout the duration of the contract,
- Business License. Contractor shall possess a valid City of Stockton business license prior to the execution of the contract and maintain it throughout the duration of the contract.
- Submit the Construction and Demolition (C&D) Debris Recycling Report within 14 days of construction or demolition project completion. The completed form must be accompanied by the official weight tags or receipts verifying the information provided in the report and must be submitted to the City of Stockton Public Works Department, Solid Waste Division, 22 E. Weber Ave. Room 301, Stockton, CA 95202. Failure to provide the C&D Debris Recycling Report form will result in a 5% withholding of the contract amount.

Full compensation for conforming to the provisions in this section including applicable permit fees, shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed.

5-1.11 Schedule

Attention is directed to Section 8-1.02, "Schedule" of the Caltrans Specifications and these Special Provisions. The Contractor shall submit a P6 construction schedule to the Engineer for review and approval. Construction schedule must be approved before the start of any construction.

Full compensation for conforming to the provisions in this section shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed therefore.

5-1.12 Public Notification

The Contractor shall notify all residents and businesses affected by the construction, Utilities, School Districts, Sunrise Sanitation, Stockton Scavenger, and San Joaquin Regional Transit District at least 48 hours prior to starting the work. Any changes to the original schedule/notification would prompt the re-notification by the Contractor. A list of agencies with the contact information is available below.

The Contractor shall inform the City Fire Comm, (209) 464-4648, no later than twenty-four (24) hours before work is to begin. Any changes in the Contractor's original schedule/notification shall be promptly reported to the City Fire Comm, so that they are fully informed at all times of the locations of street closures/construction.

<u>Agency</u>	<u>Phone</u>	<u>Fax</u>	<u>email address</u>
Lodi Unified School District (Transportation) 1305 E. Vine Street, Lodi, CA.	953-8170	331-7821	

Lincoln Unified School District (Transportation) 6749 Harrisburg Place, Stockton, CA	953-8596	957-3626	
Stockton Unified School District (Transportation) 2963 Sanguinetti Lane, Stockton, CA	933-7145	943-0079	
Stockton Scavengers Waste Management 1240 Navy Drive, Stockton, CA	460-3904	948-4013	mwilli16@wm.com
Sunrise Sanitation 1145 W. Charter Way, Stockton, CA	483-2934	466-2371	donald.gomez@awin.com
Stockton Police Dispatch	937-8377	937-8845	
Towed Vehicle Information	937-8354		
Stockton Fire Dispatch	464-4648	937-8013	
San Joaquin Regional Transit District (Bus Dispatch)	948-5566 ext. 652	948-8516	jram@sj-smart.com

All costs incurred by this provision shall be included in the various bid items and no additional compensation will be made therefore.

5-1.13 Non-Highway Facilities and Obstructions

Attention is directed to Section 5-1.36, "Property and Facility Preservation," and Section 5-1.36D "Nonhighway Facilities," of the Caltrans Specifications. The Contractor shall protect from damage any utility and other non-highway facilities that are to remain in place, be installed, relocated or otherwise rearranged.

The Contractor's attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health, safety and welfare of workers and of the public. Facilities requiring special precautions include, but are not limited to: conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases, natural gas in pipelines 6 inches or greater in diameter or pipelines operating at pressures greater than 60 pounds per square inch (gage); underground electric supply system conductors or cables, with potential to ground of more than 300 V, either directly buried or in duct or conduit which do not have concentric grounded or other effectively grounded metal shields on sheaths.

The Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least two (2) working days, but not more than fourteen (14) calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire or other structure. Regional notification centers include but are not limited to the following:

Notification Center	Telephone Number
Underground Service Alert-Northern California (USA)	1-800-642-2444 1-800-227-2600
Underground Service Alert-Southern California (USA)	1-800-422-4133 1-800-227-2600

The Contractor shall verify the horizontal and vertical locations of all existing utilities prior to start of construction. The Contractor shall be responsible for the repair and replacement of these or any other facilities damaged during construction. The Contractor shall notify Underground Services Alert (USA) to have existing facilities marked in the field.

If unknown existing facilities are encountered, the Contractor shall notify the Engineer in writing of the situation, request coverage of the work as extra work, and aid the Engineer in determining due diligence.

Payment for complying with this Special Provision shall be included in the various other items of work, and no additional compensation will be allowed therefore.

5-1.14 Site Maintenance and Cleanup

The Contractor shall maintain the work sites in a neat and orderly manner throughout construction. If, in the determination of the Project Inspector, the Contractor has not adequately maintained a clean, neat, and orderly work site, the Contractor may be required to pay to the City of Stockton the sum of two hundred fifty dollars (\$250) per work site. The work shall be conducted in a manner that will control dust. When ordered to provide dust control, the Contractor shall provide a vacuum sweeper to reduce the dusty conditions to the satisfaction of the Project Engineer. A permit shall be obtained from both the City Permit Center and California Water Service Company for construction water that is obtained from a fire hydrant. During and upon completion of construction, the Contractor shall remove all equipment, debris, and shall leave the site in a neat and clean condition to the satisfaction of the Project Engineer. Full compensation for Site Maintenance and Cleanup shall be considered as included in the price paid for the various items of work and no separate payment will be made therefore.

5-1.15 Disposal of Materials

All materials designated to be removed and not salvaged shall become the property of the Contractor and shall be disposed of in accordance with Federal, State and local laws, and ordinances. The Contractor shall file: 1) Construction and Demolition Debris Materials Checklist at the time of permit application, and 2) Construction and Demolition Debris Recycling Report within fourteen (14) days of job completion. Full compensation for conforming to the requirements of this section shall be considered included in the various bid items of work and no additional compensation will be considered therefore.

5-1.16 Pre-construction Meeting

The Engineer will schedule a pre-construction meeting with the Contractor following award of the contract and prior to commencing. Full compensation for any activity associated with this work shall be included in the prices for the various contract items of work, and no additional compensation will be allowed therefore.

5-1.17 Submittals

The following is a list of anticipated submittals for the project and is provided to aid the Contractor in determining the scope of work, but is not intended to be all-inclusive. Additional submittals may be required:

NO.	SUBMITTAL	DEADLINE
1	DAS 140	Prior to Notice to Proceed
2	DAS 142	Prior to Notice to Proceed
3	Local Hire Employment Ordinance – Good Faith Effort	Prior to Notice to Proceed
4	Monthly Local Employment Ordinance Compliance Report	During Construction
5	Material Submittal and pertinent MSDS	Prior to Notice to Proceed
6	Traffic Control Plans and Pedestrian Detour Plans	Prior to Notice to Proceed

7	Contractor Safety Plan	Prior to Notice to Proceed
8	Personnel Certification installing the LED street lights	Prior to Notice to Proceed
9	Emergency Contacts / Authorized Representatives	Prior to Notice to Proceed
10	Project Baseline Schedule	Prior to Notice to Proceed
11	Staging agreement with private property owners (if applicable)	Prior to Notice to Proceed
12	Construction and Demolition Debris Recycling Report	Post Construction
13	City of Stockton Business License	Prior to Notice to Proceed
14	City of Stockton Road Encroachment Permit & all other applicable permits (Contractor is responsible to pay all fees associated with said permits)	Prior to Notice to Proceed

The Contractor shall transmit each submittal to the Engineer for review and approval with the submittal form approved by the Engineer. Submittals shall be sequentially numbered on the submittal form. Resubmittals shall be identified with the original number and a sequential resubmittal suffix letter. The original submittal shall be numbered X. The first resubmittal shall be numbered X-a and so on. Identify on the form the date of the submittal, Contractor, Subcontractor or supplier; pertinent drawing and detail number, and/or special provision number, as appropriate. The Contractor shall sign the form certifying that review, approval, verification of Products required (if any), field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and contract documents. Any incomplete submittals will be returned for resubmittal.

Schedule submittals to expedite the Project, and deliver to Engineer at the Engineer's office, see Section 10-9.02, "Contractor Work Procedure," of these Special Provisions.

For each submittal for review, allow four (4) calendar days excluding delivery time to and from the Contractor. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work. When revised for resubmission, identify all changes made since previous submission. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.

Submittals not requested either in the Contract Documents or in writing from the Engineer will not be recognized or processed.

Within ten (10) calendar days after Contract Award, submit all required submittals for review and approval.

Except as may otherwise be indicated herein, the Engineer will return prints of each submittal to the Contractor with their comments noted on the submittal. The Contractor shall make complete and acceptable submittals to the Engineer by the second submission of a submittal item. The City reserves the right to withhold monies due to the Contractor to cover additional costs of the Engineer's review beyond the second submittal.

If a submittal is returned to the Contractor marked "NO EXCEPTIONS TAKEN," formal revision and resubmission of said submittal will not be required.

If a submittal is returned to the Contractor marked "MAKE CORRECTIONS NOTED," formal revision and resubmission of said submittal will be required.

Full compensation for conforming to the requirements of this section shall be considered included in the various bid items of work and no additional compensation will be considered therefore.

5-1.18 Unsatisfactory Progress

If the number of working days charged to the contract exceeds 75 percent of the working days in the current time of completion and the percent working days elapsed exceeds the percent work completed by more than 15 percentage points, the City will withhold 10 percent of the amount due on the current monthly estimate.

The percent working days elapsed will be determined from the number of working days charged to the contract divided by the number of contract working days in the current time of completion, expressed as a percentage. The number of contract working days in the current time of completion shall consist of the original contract working days increased or decreased by time adjustments approved by the Engineer.

The percent work completed will be determined by the Engineer from the sum of payments made to date plus the amount due on the current monthly estimate, divided by the current total estimated value of the work, expressed as a percentage.

When the percent of working days elapsed minus the percent of work completed is less than or equal to 15 percentage points, the funds withheld shall be returned to the Contractor with the next monthly progress payment.

Funds kept or withheld from payment, due to the failure of the Contractor to comply with the provisions of the contract, will not be subject to the requirements of Public Contract Code 7107 or to the payment of interest pursuant to Public Contract Code Section 10261.5.

5-1.19 Noise Control Requirements

Noise control shall conform to the provisions in Section 14-8.02, "Noise Control," of the Caltrans Specifications and these Special Provisions. Nothing in the Caltrans Specifications or these Special Provisions voids the Contractor's public safety responsibilities or relieves the Contractor from the responsibility to comply with other ordinances regulating noise level.

The noise level from the Contractor's operations, between the hours of 8:00 p.m. and 6:00 a.m., shall not exceed 86 dBA at a distance of fifty (50) feet. This requirement shall not relieve the Contractor from responsibility for complying with other ordinances regulating noise level.

The noise level requirement shall apply to the equipment on the job or related to the job, including, but not limited to, trucks, transit mixers, or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed therefore.

5-1.20 Dust Control

Dust control shall conform to any requirements set forth in the San Joaquin Valley Air Pollution Control District Construction Notification Form, see Section 5-1.10, "Permits," of these Special Provisions and Section 14-11.04, "Dust Control," of the Caltrans Specifications.

Use of water except for recycled, reclaimed, or other non-potable water for the purpose of dust control or other construction use is prohibited, unless for health or safety purposes. All dust control operations shall be performed by the Contractor using a vacuum sweeper at the time, location and in the amount ordered by the Engineer. The application of either water or dust palliative shall always be under the control of the Engineer. Watering shall conform to the provisions of Section 10-6, "Watering," of the Caltrans Specifications and these Special Provisions.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed.

5-1.21 Staging Areas

The street right of way shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the right of way, or allow others to occupy the right of way for purposes, which are not necessary to perform the required work.

The Contractor shall secure at his/her own expense any area required for storage of equipment or materials, or for other purposes. No additional compensation will be considered there. A copy of the "use" agreement shall be submitted to the Engineer.

5-1.22 Record of Converted Street Light Luminaires

The Contractor shall maintain an up-to-date record of all street light luminaires that were converted to LED in the form of an Excel spreadsheet and a hard-copy map to be submitted to the Engineer as part of the close-out submittals.

5-1.23 Increased or Decreased Quantities

The City reserves the right to make such alterations, deviations, additions to, or omissions from the plans and specifications, including the right to increase or decrease the quantity of any item or portion of the work or to omit any item or portion of the work, as may be deemed by the Engineer to be necessary or advisable and to require such extra work as may be determined by the Engineer to be required for the proper completion or construction of the whole work contemplated, without adjustment in the unit price as bid. Section 9-1.06B and Section 9-1.06C of the Caltrans Standard Specifications shall not apply.

5-1.24 Changes and Extra Work

New and unforeseen work will be considered as extra work when determined by the Engineer that the work is not covered by any of the various items for which there is a bid price or by combinations of those items. In the event portions of this work are determined by the Engineer to be covered by some of the various items for which there is a bid price or combinations of those items, the remaining portion of the work will be classed as extra work. Extra work also includes work specifically designated as extra work in the plans or specifications.

Any such extra work will be outlined in a contract change order, which will specify the work to be done in connection with the change made, adjustment of contract time, if any, and the basis of compensation for such work. A contract change order will not become effective until approved by the City Manager and / or City Council.

The Contractor shall do the extra work and furnish labor and equipment therefore upon receipt of an approved contract change order or other written order of the Engineer. In the absence of an approved contract change order or other written order of the Engineer, the Contractor shall not be entitled to payment for the extra work.

If, in the opinion of the Engineer, such work cannot reasonably be performed concurrently with other items of work, and if a controlling item of work is delayed thereby, an adjustment of contract time will be made.

Payment for extra work required to be performed pursuant to the provisions in this section, in the absence of an executed contract change order, will be made by force account as provided in Section 9-1.04 "Force Account" of the Caltrans Specifications; or as agreed to by the Contractor and the Engineer.

5-1.25 Notice of Potential Claim

The Contractor shall not be entitled to the payment of any additional compensation for any cause, or for the happening of any event, thing, or occurrence, including any act or failure to act, by the Engineer, unless s/he has given the Engineer due written notice of potential claim as hereinafter specified, provided, however, that compliance with this section shall not be a prerequisite for matters within the scope of the protest provisions under "Changes" or "Time of Completion" or within the notice provisions in "Liquidated Damages" not to any claim which is based on differences in measurements or errors of computation as to Contract quantities. The written notice of potential claim shall set forth the items and reasons which the Contractor believes to be eligible for additional compensation, the description of work, the nature of the additional costs and the total amount of the potential claim. If based on an act or failure to act by the Engineer, written notice for potential claim must be given to the Engineer prior to the Contractor commencing work; in all other cases, written notice for potential claims must be given to the Engineer within fifteen (15) days after the happening of the event, thing or occurrence giving rise to the potential claim.

It is the intention of this section that potential differences between the parties of this Contract be brought to the attention of the Engineer at the earliest possible time appropriate action may be taken and settlement may be reached. The Contractor hereby agrees that s/he shall have no right to additional compensation for any claim that may be based on any act or failure to act by the Engineer or any event, thing or occurrence for which no written notice of potential claim was filed.

5-1.26 Stop Notice Withholds

Section 9-1.16E(4) "Stop Notice Withholds" of the Caltrans Specifications is amended to read as follows:

"The City of Stockton, by and through the Department of Public Works, may at its option and at any time retain out of any amounts due the Contractor, sums sufficient to cover claims, filed pursuant to Section 3179 et seq. of the Code of Civil Procedures."

SECTION 6 BLANK

SECTION 7 MEASUREMENT AND PAYMENT

7-1.01 General

Payment for the various bid items shall be made at the unit bid prices for the final measured quantities of the work actually completed and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing, complete and in-place, items necessary to satisfy all sections of these Special Provisions. Payment shall be for all materials designated to be removed, such as HPS fixtures, tree branch trimmings, etc. shall become the property of the Contractor, unless otherwise noted, and shall be disposed in accordance with local, State, and Federal laws and ordinances.

Payment for those items of work required to complete the work as specified herein, but not shown as separate bid items on the bid schedule, shall be deemed as included in the other items of work, and no additional compensation will be allowed therefore.

All materials designated to be removed shall become the property of the Contractor, unless otherwise noted, and shall be disposed of in accordance with local, state, and federal laws and ordinances.

Full compensation for disposal of materials and performing the work in these specifications shall be included in the prices paid for the various contract items of work and no additional compensation will be allowed.

7-1.02 Payments

Attention is directed to Section 9-1.06, "Partial Payments," and 9-1.07, "Payment after Acceptance," of the Caltrans Specifications.

Schedule of Measurement and Payment

1. Mobilization and Traffic Control System: paid as lump sum. All costs connected with mobilization of Contractor's operations as described in the Caltrans Specifications. By lump sum as provided for in Section 12, "Temporary Traffic Control" of the Caltrans Specifications. Includes designing, providing, erecting and maintaining traffic control as indicated on the plans and described in these Special Provisions. Also includes flagging costs, materials (including signs, cones, portable delineators, portable changeable message signs, flashing arrows, and barricades and all other items shown on the traffic handling plans for which there is not a contract item in the estimate), tools, equipment, and incidentals (including overhead lighting, cellular phones and radios), and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing and disposing of the components of the traffic control system shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer, including, but not limited to, temporary pavement markings (paint), temporary markers, temporary traffic striping (paint), and channelizers (surface mounted). Temporary Fence (Type CI-6). By linear foot and in the same manner specified for chain link fence (Type BW or WM, wood or metal posts) in Section 80-1.10, "Payment" of the Caltrans Specifications, including maintaining, removing and disposing of it and performing the work as indicated on the plans and described in these Special Provisions.
2. Luminaire Street Light Conversion: paid per each item. Removal of existing high pressure sodium (HPS) type street light luminaire and installation of Contractor furnished 100 watt LED equivalent LEOTEK GreenCobra Jr. LED Luminaire (Part Number GCJ2-30J-MV-40K-2R-060-PCR7-CR-WL-RWG) Conversion work includes but is not limited to replacing existing photocell with new Sunrise Technologies photocell (Part Number LED-124844) furnished by the contractor, replacing blown fuse with new Contractor furnished Little Fuse BFL 15-amp or approved equal, temporarily removing and re-establishing power cables for PG&E smart meter and City's shot spotter, testing and repair of faulty LED luminaires due to installation workmanship, tree branch pruning to access the luminaires, and proper disposal of HPS luminaires and tree branch pruning. All associated work to properly convert the HPS street lights to LED as specified in the Standard Specifications and these Special Provisions.

SECTION 8 BLANK

SECTION 9 DESCRIPTION OF WORK

9-1.01 Description of Work

The work to be performed consists of furnishing all labor, tools, transportation, supplies, equipment, appurtenances, fuel, and power, unless specifically excepted, necessary, or required to convert the existing 100 watt High Pressure Sodium (HPS) type street light fixtures to light emitting diode (LED) technology type at locations as shown in Exhibit A and described in these Special Provisions.

The work shall include, but is not be limited to the following:

Scope of Work consists of the following:

1. Mobilization shall include all costs connected with mobilization of Contractor's operations as described in the Caltrans Standard Specifications. Traffic Control System includes all labor materials to provide traffic control in accordance with Section 12, "Temporary Traffic Control" of the Caltrans Standard Specification. Includes designing, providing, erecting and maintaining traffic control as indicated on the plans and described in these Special Provisions. Also includes flagging costs, materials (including signs, cones, portable delineators, portable changeable message signs, flashing arrows, and barricades and all other items shown on the traffic handling

plans for which there is not a contract item in the estimate), tools, equipment, and incidentals (including overhead lighting, cellular phones and radios), and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing and disposing of the components of the traffic control system shown on the plans, as specified in the Standard Specifications and these Special Provisions.

2. Luminaire conversion includes all labor, tools, transportation, supplies, equipment, fuel and power required and necessary to properly remove the existing 100 watt HPS luminaire fixtures from the street light pole and install Contractor-furnished 100 watt LED equivalent LEOTEK GreenCobra Jr. LED Luminaire (Part Number GCJ2-30J-MV-40K-2R-060-PCR7-CR-WL-RWG) per manufacturers recommendation and specifications. Conversion work includes, but is not limited to replacing the existing photocell with Contractor-furnished photocells (Sunrise Technologies, Part Number 124844), replacing blown fuses with Contractor-furnished fuses (Littel Fuse BFL 15-amp or approved equal), temporarily removing and re-establishing power cables for PG&E smart meter and City's shot spotter, testing of the new LED fixtures, and tree branch pruning to access the luminaire, and proper disposal of HPS luminaires and tree trimmings, as shown for the locations noted in Exhibit B and described in these Special Provisions.

The Contractor is advised that some street light poles such as wooden poles cannot be de-energized.

All other work as may be necessary as indicated on the plans, in the specifications, and as required by the Engineer.

9-1.02 Order of Work

The order of work shall conform to the Contractor's approved project schedule described in Section 10-1.05, "Progress Schedule", of these Special Provisions.

Contractor's attention is directed to the Public Safety, Public Convenience, and Maintaining Traffic sections of these Special Provisions. Nothing in this section shall be construed as to relieve the Contractor of his/her responsibility to stage the work in a manner which complies with the requirements of these sections.

All permits and approvals as may be required for this project shall be secured or ordered immediately after Council award of the contract or their acquisition timing determined, such that the same is not a cause for delay. The cost of the permits shall be included in the total bid costs.

The Contractor shall stage and sequence the work as follows:

1. Upon Council award of the Construction Contract by Stockton's City Council (Notice of Award) the Contractor shall prepare all project submittals for City review as set forth in Section 5-1.17, "Submittals" of these Special Provisions.
2. Contractor shall order luminaires, photocells, fuses, and any other long-lead items per the City approved submittal.
3. Contractor shall obtain all necessary permits and bonds for the project.
4. Prior to the start of construction, the Contractor shall submit to the Engineer for approval of detailed Traffic Control Plan and work schedule (CPM).
5. Preconstruction meeting shall be made prior to notice to proceed.
6. The Contractor is responsible for clearing any obstruction, such as pruning tree branches to properly access and replace the luminaires.

7. With proper and appropriate traffic control, the Contractor shall properly remove the existing HPS luminaire fixture from the street light pole and install new LED luminaire fixtures furnished by the Contractor per manufacturer's recommendation and specifications. This work includes installing new photocells and replacing blown fuses as needed. The new LED luminaire fixtures shall be installed in a professional and workmanlike manner. Proper care of all materials shall be exercised throughout this conversion.
8. Contractor shall notify the engineer any existing power issue.
9. Street light poles that have a traffic camera attached to its mast arm shall be skipped, thus no conversion work shall be done.
10. Contractor shall keep a daily production record in a spreadsheet (Excel format) to be given to the City inspector for concurrence.

Full compensation for conforming to such requirements will be considered as included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefore.

9-1.03 Prosecution and Progress

As specified herein, the Contractor shall follow the following procedures. The Engineer shall have the authority to approve any exceptions:

1. Once the Construction Contract is signed and the Engineer has issued the Notice to Proceed, the Contractor shall start work within ten (10) calendar days of the issuance date of the Notice to Proceed.
2. Contractor shall mark the location and notify Underground Service Alert (USA) at (800) 227-2600 for utility markings immediately, regardless of the quantity of work to be performed.
3. The Contractor shall provide the City with a three-week look ahead project schedule (updated every three weeks with site locations).

9-1.04 Quantities

The following estimate of the quantities of work to be done and materials to be furnished are **approximate only** and are intended as a basis for the comparison of bids. The City does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work without increase or decrease in the unit price bid or to omit portions of the work that may be deemed necessary or expedient by the Engineer. Actual quantity of the work will depend upon the complaints, project budget and other considerations and constraints.

Bid Item - Description		Estimated Quantity	Unit
1	Mobilization & Traffic Control	1	LS
2	Convert Existing HPS Street Light to LED (Contractor to Furnish Luminaire, Photocell, Etc.)	1,500	EA
Total Bid			

SECTION 10 – CONSTRUCTION DETAILS

10-1.01 Luminaires

Luminaires shall conform to these Special Provisions.

Luminaires for converting 100-watt high-pressure sodium (HPS) streetlights shall be provided by the Contractor. **The luminaires for the conversion shall be 100-watt LED equivalent LEOTEK GreenCobra Jr. LED Luminaire (Part Number GCJ2-30J-MV-40K-2R-060-PCR7-CR-WL-RWG)**

The light face of the LED fixture shall be installed leveled and parallel to the road pavement. On some cases where rods are attached to the mast arm of the pole, adjusting the turn buckles on the rods using proper tools may be necessary to properly level the LED fixture.

Note that the Contractor shall test the newly installed LED luminaire fixtures for any defects and make sure that they are properly working before moving to another project location.

Full compensation for furnishing and converting the luminaires shall be considered as included in the unit price paid for Convert Existing HPS Street Light to LED bid item, and no additional compensation will be allowed.

10-1.02 Photocells

Photocells shall conform to these Special Provisions.

Existing photocells shall be replaced with new Contractor-furnished photocells. All photocells shall be properly installed, assuring that they are oriented to North and locked in place. The photocells provided with each luminaire shall be Sunrise Technologies LED (Long Life) Series, Part Number LED-124844.

Full compensation for furnishing and installing new photocells shall be considered as included in the unit price paid for Convert Existing HPS Street Light to LED bid item, and no additional compensation will be allowed.

10-1.03 Fuses

Fuses shall conform to these Special Provisions.

In circumstances where the streetlight is not working properly, the Contractor shall verify if a fuse has been blown. The Contractor shall furnish and install a fuse where it is suspected a fuse has been blown. The fuse for replacement shall be Littell Fuse BFL 15 Amp, or approved equal.

Full compensation for checking for a blown fuse, and furnishing and installing a new fuse shall be considered as included in the unit price paid for Convert Existing HPS Street Light to LED bid item, and no additional compensation will be allowed.

10-1.04 Ordering of Luminaires

The Contractor shall be provided sixty (60) calendar days to procure and receive all LED street light luminaires necessary to complete the work. The Contractor shall provide the City with copies of purchase orders immediately upon request.

10-1.05 Progress Schedule

Comply with Section 8-1.02, "Schedule," of the Caltrans Specifications, except Contractor must:

1. Use computer software to prepare the schedule
2. Furnish compatible software for the Engineer's exclusive possession and use

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.

10-1.06 Inspections

All work under this contract shall be under the control and inspection of the City Engineer or his/her appointed representative. The Contractor shall notify of the Public Works Department, at (209) 937-8341, three (3) working days in advance of any construction.

10-1.07 Cooperation

Should construction be under way by other forces or by other contractors within or adjacent to the limits of the work specified or should work of any other nature be under way by other forces within or adjacent to those limits, the Contractor shall cooperate with all the other contractors or other forces to the end that any delay or hindrance to their work will be avoided.

In some cases where the street light to be worked on is on private pole, the Contractor is responsible for getting the permission from the owner of the private pole.

The Contractor shall protect from damage any utility facilities that are within the project limit. The Contractor shall be responsible for any damage as the result of the construction. Payment for complying with this Special Provision shall be included in the various items of work, and no additional compensation will be allowed.

10-1.08 Mobilization

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 work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site.

Full compensation for mobilization shall be considered as included in the lump sum price paid for Mobilization, and no additional compensation will be allowed.

10-1.09 Maintaining Traffic

Attention is directed to Part 6 of the California MUTCD, Sections 7-1.03, "Public Convenience", 7-1.04, "Public Safety", and 12, "Temporary Traffic Control", of the Caltrans Specifications, and Section 10-1.01, "Order of Work", of these Special Provisions. Nothing in these Special Provisions shall be construed as relieving the Contractor from the responsibilities specified in these sections.

Lane closures shall conform to Section 10-1.07, "Traffic Control System for Lane Closure" of these Special Provisions.

The Contractor shall furnish, and maintain in good working order, all barricades and flashers, and provide flaggers as necessary to protect pedestrians, bicyclists, and vehicular traffic. The Contractor shall furnish and maintain all barricades, flashers, and any detour signs twenty-four (24) hours a day, including covering or removing signs during non- construction hours.

The Contractor shall provide adequate and continuous ingress and egress for all adjacent properties; except for the limited period of time it is necessary to perform work at a specific property. The Contractor shall diligently prosecute all work directly impacting businesses to completion. The Contractor shall coordinate

limited closures with tenants or owners, as required by these Special Provisions, and as directed by the Engineer.

The Contractor shall submit to the City Engineer a detailed "Traffic Control Plan" for review and approval. The "Traffic Control Plan" shall be submitted no later than seven (7) working days following the Notice to Proceed date and at least 3 working days prior to commencing any work which requires implementation of any component of the "Traffic Control Plan". The plan shall be approved by the Engineer prior to its implementation by the Contractor.

The "Traffic Control Plan" shall conform to the typical traffic control details included in the Caltrans Standard Plans, Part 6 of the California MUTCD, and the requirements of Section 10-1.07, "Traffic Control System for Lane Closure", of these Special Provisions. The Traffic Control Plan shall include, but not be limited to, detailed requirements for the following:

- ◆ Traffic control devices, including signs and markings.
- ◆ Construction routes, phasing and/or staging of both the roadway and sidewalk areas.
- ◆ Employee, Customer, and Business/Delivery access to adjacent property.
- ◆ Emergency vehicles access.
- ◆ Bus, refuse collection, and mail delivery access.
- ◆ Any parking zones to be removed on a temporary basis.
- ◆ Pedestrian and bicyclist access.

The Traffic Control Plan shall consider the impacts of changes in traffic volumes and capacities related to the construction activities, and their impact on vehicular and bicycle traffic and pedestrian operations, on roadway pavements, including provisions to restore construction-damaged pavements.

Traffic Lane and Sidewalk Closures

Lanes and sidewalks may be closed only as indicated in this section, "Maintaining Traffic", of these Special Provisions. Except for work required under Section 7-1.03 "Public Convenience" and Section 7-1.04, "Public Safety" of the Caltrans Specifications, work that interferes with public traffic shall be performed only as indicated. Traffic lane and sidewalk closures shall conform to the following requirements:

Lane closure, a maximum of one lane in each direction of travel, not less than twelve (12) feet wide, shall be permitted only between the hours 8:30 am to 4:30 pm. Any lane closures other than specified shall be approved by the Engineer.

Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders, including any section closed to public traffic.

Adequate ingress and egress shall be maintained throughout the project limits for fire, police, and other emergency vehicles. The Contractor shall provide adequate ingress and egress for residences, property owners, and abutting business owners to their respective properties except when performing work at their specific locations.

Also, the Contractor shall provide adequate signing, barricades and flashers or portable flashing beacons, arrow boards, CMS, flaggers, and other equipment and personnel necessary to adequately control and direct traffic in a safe manner. The Contractor shall maintain all barricades, arrow boards, CMS, flashers and detour signs twenty-four (24) hours a day, including covering signs during non-construction hours. The Contractor shall also provide the City with the names and telephone numbers of three (3) representatives available at all times.

Except as otherwise allowed by the Engineer, "long term" and temporary closures shall be removed and the full width of the traveled way shall be open for use by public traffic when construction operations are not

actively in progress during the working period or successive working periods.

The contractor shall provide for pedestrian and wheelchair access to at least one (1) intersection corner within each block and the abutting sidewalk facilities along each block, at all times. Simultaneous closure of both intersection corners to pedestrian traffic within the same block is not allowed.

The contractor shall maintain at least one (1) north/south crosswalk and one (1) east/west crosswalk open to pedestrian and wheelchair access, where exists, at each intersection at all times.

Whenever Contractor's vehicles or equipment are parked within six (6) feet of a traffic lane, the area shall be closed with fluorescent traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the traffic lane at twenty-five (25) foot intervals to a point not less than twenty-five (25) feet past the last vehicle or piece of equipment. A minimum of nine (9) cones or portable delineators shall be used for the taper. A W20-1 (Road Work Ahead) sign shall be mounted on a portable sign stand with flags. The sign shall be placed where directed by the Engineer.

Full compensation for furnishing a traffic control plan, furnishing, installing, maintaining, and removing all components of the required traffic control system, traffic lane and sidewalk closures, arrow boards, portable changeable message signs, flagging, temporary pavement delineation, maintaining driveway and pedestrian traffic, and for maintaining traffic as specified in the plans and these Special Provisions, and as directed by the Engineer, shall be included in the lump sum price paid for "Traffic Control System", and no additional work compensation will be allowed.

10-1.10 Traffic Control System for Lane Closure

A traffic control system shall consist of closing traffic lanes in accordance with the details shown on the plans, the provisions of Section 12, "Temporary Traffic Control", of the Caltrans Specifications, the provisions under "Maintaining Traffic", and "Construction Area Signs" elsewhere in these Special Provisions.

The provisions in this section will not relieve the Contractor from the responsibility to provide additional devices or take the measures that may be necessary to comply with the provisions in Section 7-1.04, "Public Safety", of the Standard Specifications and these Special Provisions.

If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately repair the component to its original condition or replace the component, and shall restore the component to its original location.

When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way shall be removed from the traveled way and shoulder. If the Contractor so elects, the components may be stored at selected central locations, approved by the Engineer, within the limits of the highway right-of-way.

Each vehicle used to place, maintain, and remove components of a traffic control system shall be equipped with a Type II flashing arrow sign, which shall be in operation when the vehicle is being used for placing, maintaining, or removing the components. Vehicles equipped with Type II flashing arrow signs not involved in placing, maintaining, or removing the components when operated within a stationary type lane closure shall only display the caution display mode. The sign shall be controllable by the operator of the vehicle while the vehicle is in motion. The flashing arrow sign shown on the plans shall not be used on the vehicles which are doing the placing, maintaining, and removing of components of a traffic control system, and shall be in place before a lane closure requiring its use is completed.

The Contractor shall pay fully the cost of furnishing all flaggers, including transporting flaggers, to provide for passage of public traffic.

Attention is directed to Part 6 of the California MUTCD. Nothing in these Special Provisions shall be construed as relieving the Contractor from his/her responsibility as provided in Part 6 of California MUTCD.

Full compensation for furnishing all labor (including flagging costs), materials (including signs), tools, equipment, and incidentals, and for doing all the work involved in lane closures, including placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic control system, as shown on the plans, as specified in the Caltrans Specifications and these Special Provisions, and as directed by the Engineer, shall be included in the lump sum price paid for "Traffic Control" and no additional work compensation will be allowed.

The adjustment provisions in Section 4-1.05, "Changes", of the Standard Specifications shall not apply to the item of traffic control system. Adjustments in compensation for traffic control system will be made only for increased or decreased traffic control system required by changes ordered by the Engineer and will be made on the basis of the cost of the increased or decreased traffic control necessary. The adjustment will be made on basis as provided in Section 4-1.05, "Changes and Extra Work", of Caltrans Specifications for increased work and estimated on the same basis in the case of decreased work.

Traffic control system required by work which is classed as extra work, as provided in Section 4-1.05 of the Caltrans Specifications, will be paid for as a part of the extra work.

10-1.11 Existing Highway Facilities

Contractor attention is directed to requirements of Section 5-1.21 "Preservation of Property" of these Special provisions, and 7-1.05, "Indemnification" and 7-106 "Insurance," of the Standard Specifications.

The work shall be performed in connection with various existing highway facilities (i.e., traffic signals and streetlights, roadside signs, trees, fences, etc.) shall conform to the provisions in Section 15, "Existing Facilities," of the Caltrans Specifications and these Special Provisions.

Should the Contractor desire to have any alterations made in any utility or other improvement for Contractor's own convenience in order to facilitate Contractor's construction operations and for Contractor's sole benefit, Contractor shall make all necessary arrangements with the owners and bear all expense in connection therewith.

Removed highway facilities that are not to be salvaged shall become the property of the Contractor and shall be disposed of according to these special provisions, Section 15-2.03 "Salvage" of Caltrans specifications.

10-1.12 Regulations and Code

Regulations and Code shall conform to Section 86-1.02 of the Caltrans Specifications. Nothing in these plans or specifications shall be construed to permit work not conforming to the most stringent of applicable codes.

All individuals who perform work as electricians (kind of work apply to electrical connections 100 volt-amperes or more; Commercial and Industrial wiring, underground conduit installation, finish work and fixtures, and fire life safety), for contractors licensed as class A and C-10 electrical contractors, shall be certified according to Assembly Bill AB 931, and Labor Code Sections 3099 and 3099.2.

Estimated Luminaire Quantity

Maintenance District	Estimated Quantity
2	901
3	307
6	294