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DEPARTMENT OF  
PUBLIC WORKS

ENGINEERING DIVISION

THOMAS M. FINLEY  
ENGINEERING DIVISION MANAGER

CITY OF SACRAMENTO  
CALIFORNIA

**APPROVED**  
BY THE CITY COUNCIL

**JUL 25 1989**

OFFICE OF THE  
CITY CLERK

927 TENTH STREET  
ROOM 200  
SACRAMENTO, CA  
95814-2705

916-449-8220

CONSTRUCTION SECTION  
640 BERGUT DRIVE  
SUITE B  
SACRAMENTO, CA  
95814-0131

916-449-5282

July 25, 1989

City Council  
Sacramento, California

Honorable Members In Session:

**SUBJECT: Arterial Street Lighting Upgrade (PN:SC36/SA71) - Project  
Approval and Bid Advertisement**

SUMMARY

Plans and specifications for this project have been prepared. Approval of the plans and specifications and authorization to advertise for bids is recommended.

BACKGROUND

This project will replace the existing mercury vapor luminaires with more efficient high pressure sodium luminaires in six areas of the City. The areas where the work is to be performed are: Meadow View to Valley Hi; Valley Hi; South Land Park to Greenhaven; Pocket; Campus Commons; and College Greens.

A Categorical Exemption for this project was filed with the County Clerk of the County of Sacramento on July 18, 1989. The engineer's estimated construction cost is \$212,000.

FINANCIAL DATA

Sufficient funds are available for this project. The estimated total project cost, including all planning, design and construction costs, is \$290,400. The current budget is \$303,711, which was approved in the Capital Improvement Program, with \$150,000 from Traffic Safety Funds (208) and \$153,711 from Gas Tax Funds (202). The funds available for this project amount to \$245,921, as of July 11, 1989.

A non-refundable fee of \$15 will be charged for each set of plans and specifications to cover reproduction costs.

City Council  
Arterial Street Lighting Upgrade (PN:SC36/SA71)  
July 25, 1989  
Page 2

POLICY CONSIDERATIONS

None.

MBE/WBE EFFORTS

Plans and specifications will be sent to nineteen (19) plan rooms and construction services organizations for publication and use by the construction industry of Northern California. There are four (4) organizations on the distribution list that are directly involved with the MBE and WBE contractors.

RECOMMENDATION

It is recommended that the City Council approve the plans and specifications for this project and authorize the City Clerk to advertise for bids to be received on August 15, 1989.

Respectfully submitted,



THOMAS M. FINLEY  
Engineering Division Manager

Recommendation Approved:



WALTER J. SLUPE  
City Manager

Approved:



MELVIN H. JOHNSON  
Director of Public Works

July 25, 1989  
District No. 3, 7 and 8

CONTACT PERSON

N. Dee Lewis, Supervising Engineer  
449-8230

GDC:rh  
ED6-37.B  
07.1789



7/25/89 SP  
#26

DEPARTMENT OF  
PUBLIC WORKS

CITY OF SACRAMENTO  
CALIFORNIA

927 TENTH STREET  
ROOM 200  
SACRAMENTO, CA  
95814-2705

ENGINEERING DIVISION

916-449-8220

THOMAS M. FINLEY  
ENGINEERING DIVISION MANAGER

CONSTRUCTION SECTION  
640 BERCLUT DRIVE  
SUITE B  
SACRAMENTO, CA  
95814-0151

August 1, 1989

916-449-5282

To Whom It May Concern:

RE: SA71/SC36

Enclosed is Addendum No. 1 to the Contract Specifications for the project to Upgrade Traffic Signs.

Please attach this addendum to the Contract Specifications, acknowledge acceptance by noting on the Sealed Proposal Form and submit the required information with your bid.

Respectfully yours.

N. DEE LEWIS  
Supervising Engineer

NDL:eh  
SA71-6.A

Enclosure

ADDENDUM NO. 1

August 1, 1989

CONTRACT SPECIFICATIONS FOR  
ARTERIAL STREET LIGHTING UPGRADE  
PN:SA71/SC36

Bids to be received: August 22, 1989

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This addendum is applicable to the work designated herein and shall be a part of and be included in the Contract. The Contractor shall acknowledge his acceptance of this addendum by writing the number designation of the addendum on the Proposal Form.

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Sealed Proposals will be received by the City clerk of the City of Sacramento at the Office of the City clerk, Room 304, City Hall, located on I Street between 9th and 10th Streets, up to the hour of 10:30 a.m. on August 22, 1989, and opened at 10:30 a.m., or as soon thereafter as business allows, in the Council Chamber, City Hall, for construction of:

Arterial Street Lighting Upgrade (PN:SC36/SA71)

SA71-6.A



26

**CITY OF SACRAMENTO**

**DEPARTMENT OF PUBLIC WORKS**

ENGINEERING DIVISION

**CONTRACT SPECIFICATIONS  
FOR  
ARTERIAL STREET LIGHTING UPGRADE**

PN:SA71/SC36

**APPROVED**  
BY THE CITY COUNCIL

**JUL 25 1989**

OFFICE OF THE  
CITY CLERK

Non-Refundable Fee  
\$15.00

Separate Plans

For Pre-Bid Information Call:

Don Dall  
(916) 449-5987

**Bids to be received before  
10:30 A.M., Tuesday,  
August 22, 1989, at  
Room 304, City Hall  
915 I Street  
Sacramento, CA 95814**

NOTICE TO CONTRACTORS

**CITY OF SACRAMENTO**

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the Office of the City Clerk, Room 304, City Hall, located on I Street between 9th and 10th Streets, up to the hour of 10:30 a.m. on August 15, 1989, and opened at 10:30 a.m., or as soon thereafter as business allows, in the Council Chamber, City Hall, for construction of:

**Arterial Street Lighting Upgrade (PN:SC36/SA71)**

as set forth in the Construction Documents adopted July 25, 1989, by the City of Sacramento.

All such proposals received and any work performed thereunder must comply with the requirements of Chapter 58 of the Sacramento City Code (Ordinance No. 3129, Fourth Series).

**APPROVED**  
JUL 25 1989  
CITY CLERK

Bids must be submitted on printed forms supplied by the City Clerk to prospective bidders for a non-refundable fee of \$15. Bids must be enclosed in an envelope marked:

**Sealed Proposal for Arterial Street Lighting Upgrade (PN:SC36/SA71)**

Copies of the Sealed Proposal Forms and accompanying documents are available at the Office of the City Clerk, City Hall, Room 300, 915 I Street, Sacramento, CA 95814.

Contractors bidding on this project must possess a Class A or Class C-10 License.

All contractors, subcontractors and all concerned must comply with the rates of wages established by the Director of Industrial Relations under provisions of Sections 1770 and 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk; or such other rate of wages as may hereafter be established by the Director of the Department of Industrial Relations in compliance with Section 1770 of the Labor Code of the State of California.

Pursuant to Government Code Section 4590, any contract awarded pursuant to this invitation for bid shall contain a provision permitting the substitution of securities for any moneys withheld to ensure performance under the contract. The terms of such provisions shall be according to the requirements of Government Code Section 4590.

The right to reject any and all bids or to waive any informality in any bid received is reserved by the City Council.

PN:SC36/SA71  
GC8-09.B.ED

ANNE MASON  
ACTING CITY CLERK

CITY OF SACRAMENTO

SEALED PROPOSAL

(MUST BE SIGNED BY BIDDER)

Sealed Proposal will be received not later than 10:30 A.M. on August 22, 1989, at the Office of the City Clerk, Room 304, Sacramento, California and opened at 10:30 A.M., or as soon thereafter as business allows, on August 22, 1989, in the Council Chamber, City Hall, Sacramento, California.

**APPROVED**  
BY THE CITY COUNCIL

JUL 25 1989

TO THE HONORABLE CITY COUNCIL:

The undersigned hereby proposes and agrees to furnish any and all required labor, material, transportation, and services for

OFFICE OF THE  
CITY CLERK

ARTERIAL STREET LIGHTING UPGRADE

(PN:SA71/SC36)

in the City and County of Sacramento, California.

The work is to be done in strict conformity with the Plans, City of Sacramento Standard Specifications (Resolution No. 81-042) and Special Provisions all as on file in the Office of the City Clerk, at the following Unit Prices (Contract Lump Sum Price).

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total
1.	Convert 175 Watt M.V. to 150 Watt H.P.S.	476	EA	\$ _____	\$ _____
2.	Convert 100 Watt H.P.S. to 150 Watt H.P.S.	54	EA	\$ _____	\$ _____
3.	Paint Street Light Standards	476	EA	\$ _____	\$ _____
4.	Spare Mast Arms	24	EA	\$ _____	\$ _____
5.	Spare Luminaires	24	EA	\$ _____	\$ _____

**TOTAL** \$ \_\_\_\_\_

Section 4-4 of the City Standard Specifications shall be modified to allow the City, at its sole descretion, to delete or add to the quantity of this contract 20 percent of any item at the contract bid price.

If awarded the contract, the undersigned shall execute said contract and furnish the necessary bonds within ten (10) days after the notice of award of said contract and begin work within fifteen (15) days after the signing of the contract by the Contractor and the City or Notice to Proceed, whichever is applicable.

In determining the amount bid by each bidder, City shall disregard mathematical errors in addition, subtraction, multiplication and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the bidding procedure. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only a total price for the item and the item price is omitted, the City shall determine the item price by dividing ;the total price for the item by Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete and the Proposal shall be disregarded.

It is understood that this bid is based upon completion of the work to within a period of ONE HUNDRED TWENTY (120) calendar days commencing on the date specified in the Notice to Proceed.

The amount of the liquidated damages to be paid by the Contractor for failure to complete the entire work by the Completion Date (as extended, if applicable) will be TWO HUNDRED AND NO/100 DOLLARS (\$200.00) for each calendar day, continuing to the time at which the work is completed. Such amount is the actual cash value agreed upon as the loss to the City resulting from Contractor's default.

The undersigned represents and warrants that the undersigned has examined the location of the proposed work and is familiar with the local conditions at the place where the work is to be done, and the undersigned has reviewed and understands the plans, specifications and other contract documents, and the undersigned is satisfied with all conditions for the performance of the work.

The undersigned has checked carefully all of the above figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

This proposal will not be withdrawn for the periods specified in Section 3-2 of the City of Sacramento Standard Specifications for award of contract to respective low bidders. This proposal is submitted according to Sections 1, 2, and 3 of the City of Sacramento Standard Specifications.



BID DEPOSIT ENCLOSED IN THE FOLLOWING FORM:

\$ \_\_\_\_\_ not less than ten percent (10%) of amount bid.

\_\_\_\_\_ CERTIFIED CHECK

\_\_\_\_\_ MONEY ORDER

\_\_\_\_\_ CASHIERS'S CHECK

\_\_\_\_\_ BID BOND

CONTRACTOR

\_\_\_\_\_

By \_\_\_\_\_  
(Signature)

Title \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Telephone No. \_\_\_\_\_

Contractor's License:

Valid Contractor's License No. \_\_\_\_\_, Classification \_\_\_\_\_ is held by the bidder.

DS:vr  
SA71-SP.E14

**DESIGNATION OF SUBCONTRACTORS  
(including suppliers and truckers)**

NAME AND LICENSE NUMBER OF SUBCONTRACTOR	LOCATION OF PLACE OF BUSINESS	DESCRIPTION OF WORK TO BE PERFORMED BY SUBCONTRACTOR	TOTAL DOLLAR AMOUNT OF CONTRACT	ENTER DB OR WBE STATUS AND CERTIFICATION NUMBER	SUBCONTRACTOR FEDERAL TAX I.D. #
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BIDDER \_\_\_\_\_

BY \_\_\_\_\_

TITLE \_\_\_\_\_

PHONE \_\_\_\_\_

DATE \_\_\_\_\_

BIDDER'S FEDERAL TAX I.D. #: \_\_\_\_\_

BIDDER'S CONTRACTOR LICENSE #: \_\_\_\_\_



FOLLOWING FORMS TO BE FILLED OUT AND SIGNED

ONLY

IF AWARDED CONTRACT

WORKMEN'S COMPENSATION INSURANCE CERTIFICATION

TO THE CITY OF SACRAMENTO:

The undersigned does hereby certify that he is aware of the provisions of Section 3700 et seq. of the Labor Code which require every employer to be insured against liability for workmen's compensation claims or to undertake self-insurance in accordance with the provisions of said Code, and that he will comply with such provisions before commencing the performance of the work on this contract.

\_\_\_\_\_ Bidder

By \_\_\_\_\_

Title \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

PLEASE READ CAREFULLY BEFORE SIGNING

To be signed by authorized corporate officer or partner or individual submitting the bid. If bidder is: (example)

1. An individual using a firm name, sign: "John Doe, and individual doing business as Blank Company."
2. An individual doing business under his own name, sign: your name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by, John Doe, Co-Partner."
4. A corporation, sign: "Blank Company, by John Doe, Secretary." (or other title)

# GUARANTEE

We hereby guarantee the

ARTERIAL STREET LIGHTING UPGRADE  
(PN:SA71/SC36)

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which we propose to install in the City of Sacramento for one (1) year in accordance with the guarantee required in the specifications. We agree to repair or replace any or all such work, together with all or any other work which may be displaced in so doing, that may be proven defective in workmanship or material within the period from the date of acceptance without expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above mentioned conditions within five (5) days time after being notified in writing, we collectively or separately, do hereby authorize the City to proceed to have the defects repaired and made good at our expense and will pay the costs and damages therefor immediately upon demand.

Signed:

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Dated:

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## AGREEMENT

THIS AGREEMENT, dated for identification as of \_\_\_\_\_, 19\_\_\_\_,  
between the CITY OF SACRAMENTO, a municipal corporation, (hereinafter called "City"),  
and \_\_\_\_\_

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(hereinafter called the "Contractor").

The parties hereto mutually agree to the terms and conditions set forth herein.

### 1. CONTRACT DOCUMENTS

Each of the items hereinafter referred to is incorporated herein by reference as if set forth in full in this contract.

Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretations of the provisions to which they refer.

The Contract Documents, sometimes also referred to as "the Contract", consist of the Notice to Contractors, the completed Proposal Form submitted by Contractor to whom the Contract is awarded, the Instructions to Bidders insofar as they relate to events which occur or actions to be taken after the submission of the Proposal, this Agreement, the Standard Specifications, the Special Provisions, Plans and Technical Specifications, the drawings and other data and all developments thereof prepared by City pursuant to the Contract, and any modifications of any of the foregoing in the form of Addenda or otherwise effected in accordance with the terms of the Contract.

The Standard Specifications shall mean and refer to the current Standard Specifications of the City of Sacramento which are incorporated herein by this reference as if set forth in full at this place.

### 2. DEFINITIONS

Unless otherwise specifically provided herein, all words and phrases defined in the Standard Specifications shall have the same meaning and intent in this Agreement.

### 3. AGREEMENT CONTROLS

In the event of a conflict between the terms and conditions as set forth in this Agreement and the terms and conditions set forth in other Contract Documents, the terms and Conditions set forth in this Agreement shall prevail.

4. SCOPE OF CONTRACT

Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor and material and transportation necessary to perform and complete in a good and workmanlike manner to the satisfaction of City, all the work called for, and in the manner designated in, and in strict conformity with the Contract Documents entitled:

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ARTERIAL STREET LIGHTING UPGRADE

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PN:SA71/SC36

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including the following alternative bid items described in the Proposal Form:

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5. CONTRACT AMOUNT AND PAYMENTS

City agrees to pay and Contractor agrees to accept, in full payment for the above work, the sum computed in accordance with the actual amount of each item of work performed or material furnished, at the unit price which Contractor bid for each such item in his Proposal Form, said unit price to be determined as provided in the Standard Specifications.

6. PROGRESS AND FINAL PAYMENTS

Subject to the terms and conditions of the Contract, City shall cause payments to be made upon demand of Contractor as follows:

- (A) On the first of the month, Contractor shall present to the City Engineer a statement showing the amount of labor and materials incorporated in the work during the preceding month; the City Engineer shall inspect the statement and, if the City Engineer approves the statement, shall issue a certificate for ninety percent (90%) of the amount it shall find to be due.
- (B) No inaccuracy or error in said monthly estimates shall operate to release Contractor or Surety from damages arising from such work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any estimate for payment.
- (C) Contractor shall not be paid for any defective or improper work.
- (D) City shall pay the remaining ten percent (10%) of the value of the work done under this contract, if unencumbered, thirty-five (35) days after final completion and acceptance of work by City. Acceptance by Contractor of said final payment shall constitute a waiver of all claims against City arising under the Contract Document.



7. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this contract, City shall charge any sum of money against Contractor, City shall deduct and retain the amount of such charge from the amount of the next succeeding progress estimate, or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges against him, City shall have the right to recover the balance from Contractor or his sureties.

8. COMMENCEMENT AND PROSECUTION OF WORK

Contractor shall commence the work on or before ten (10) calendar days from and after receipt of written Notice to Proceed from City to Contractor and will diligently prosecute the work to final completion. The phrase "commence the work" means to engage in a continuous program on-site including, but not limited to, site clearance, grading, dredging, land filling and the fabrication, erection, or installation of the work. Said Notice to Proceed shall be issued following execution of the Agreement and the filing by Contractor of the required bonds and proof of insurance. The continuous prosecution of work by Contractor shall be subject only to Excusable Delays as defined in this Agreement.

9. TIME OF COMPLETION

The entire work shall be brought to completion in the manner provided for in the Contract Documents on or before ONE HUNDRED TWENTY, (120) calendar days (hereinafter called the "Completion Date") from and after the receipt by Contractor of the Notice to Proceed unless extensions of time are granted in accordance with the Contract Documents.

Failure to complete the work by the Completion Date and in the manner provided for by the Contract Documents shall subject Contractor to liquidated damages as hereinafter provided in this Agreement. Time is and shall be of the essence in these Contract Documents.

10. PAYMENTS DO NOT IMPLY ACCEPTANCE OF WORK

The payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the work or any portion thereof and shall in no way reduce the liability of Contractor to replace unsatisfactory work or material, though the unsatisfactory character of such work or material may not have been apparent or detected at the time such payment was made.

11. ACCEPTANCE NOT RELEASE

Contractor shall correct immediately any unfaithful or imperfect work which may be discovered before final acceptance of the entire work. Any unsatisfactory materials shall be rejected, notwithstanding that they may have been overlooked by the proper inspector. The inspection of the work, or any part thereof, shall not relieve Contractor of any of his obligations to perform satisfactory work as herein prescribed.

Failure or neglect on the part of City or any of its authorized agents to condemn or reject bad or inferior work or materials shall not be construed to imply an acceptance of such work or materials if such becomes evident at any time prior to final acceptance of the entire work or all materials, nor shall such failure be construed as barring City at any subsequent time from recovering damages or of such a sum of money as may be required to build anew all portions of the work in which fraud was practiced or improper materials used whenever City may discover the same.

12. RELEASE

If requested to do so by City, at the time of final payment, as a condition precedent to final payment, Contractor and each assignee under any assignment in effect at the time of final payment shall execute and deliver a release in form and substance satisfactory to and containing such exemptions as may be found appropriate by City which shall discharge City, its officers, agents and employees of and from all liability, obligations and claims arising under this contract.

13. CITY'S RIGHT TO TAKE POSSESSION OF THE WORK  
IN WHOLE OR IN PART

The City of Sacramento shall have the right at any time to enter upon the work and perform work not covered by this Contract, or to occupy and use a portion of the work, prior to the date of the final acceptance of the work as a whole, without in any way relieving Contractor of any obligations under this Contract.

Such use or occupation of the work shall not be construed as an acceptance of any portion of the work under this Contract.

14. NO WAIVER OF REMEDIES

Neither the inspection by City or its agents, nor any order or certificate for the payment of money, nor any payment for, nor acceptance of the whole or any part of the work by City, nor any extensions of time, nor any position taken by City or its agents shall operate as a waiver of any provision of this Agreement or of any power herein reserved to City or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach. All remedies provided in this Agreement shall be taken and construed as cumulative; that is, in addition to each and every other remedy herein provided, and City shall have any and all equitable and legal remedies which it would in any case have.

15. GUARANTEE

Except as otherwise expressly provided in the Specifications, and excepting only items of routine maintenance, ordinary wear and tear and unusual abuse or neglect, Contractor guarantees all work executed by him and all supplies, materials and devices of whatsoever nature incorporated in, or attached to the work, or otherwise delivered to City as a part of the work pursuant to the Contract, to be absolutely free of all defects of workmanship and materials for a period of one year after final acceptance of the entire work by the City of Sacramento. Contractor shall repair or replace any or all such work or material, together with all or any other work or material which may be displaced or damaged in so doing, that may prove defective in workmanship or material within said one year guarantee period without expense or charge of any nature whatsoever to City.

In the event that Contractor shall fail to comply with the conditions of the foregoing guarantee within ten (10) days time, after being notified of the defect in writing, City shall have the right, but shall not be obligated to repair, or obtain the repair of, the defect and Contractor shall pay to City on demand all costs and expense of such repair. Notwithstanding anything herein to the contrary, in the event that any defect in workmanship or material covered by the foregoing guarantee results in a condition which constitutes an immediate hazard to the health or safety, or any property interest, or any person, City shall have the right to immediately repair, or cause to be repaired, such defect, and Contractor shall pay to City on demand all costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include either temporary or permanent repairs which may be required as determined in the sole discretion and judgment of City.

16. DETERMINATION OF DAMAGES

The actual fact of the occurrence of damages and the actual amount of the damages which City would suffer if the work were not completed within the specified times set forth are dependent upon many circumstances and conditions which could prevail in various combinations, and, from the nature of the case, it is impracticable and extremely difficult to fix the actual damages. Damages which City would suffer in the event of delay include loss of the use of the project, and, in addition, expenses of prolonged employment of an architectural and engineering staff; costs of administration, inspection, and supervision; and the loss suffered by the public within the City of Sacramento by reasons of the delay in the completion of the project to serve the public at the earliest possible time. Accordingly, the parties hereto agree, and by execution of this Agreement Contractor acknowledges that he understands, has ascertained and agrees, that the amounts set forth herein as liquidated damages shall be presumed to be the amount of damages sustained by the failure of contractor to complete the entire work within the times specified.

17. LIQUIDATED DAMAGES

The amount of the liquidated damages to be paid by Contractor to City for failure to complete the entire work by the Completion Date (as extended, if applicable) will be TWO HUNDRED AND NO/100 DOLLARS (~~\$ 200.00~~) for each calendar day, continuing to the time at which the work is completed. Such amount is the actual cash value agreed upon as the loss to City resulting from Contractor's default.

18. PAYMENT OF DAMAGES

In the event Contractor shall become liable for liquidated damages, City, in addition to all other remedies provided by law, shall have the right to withhold any and all payments which would otherwise be or become due Contractor until the liability of Contractor under this section is finally determined. City shall have the right to use and apply such payments, in whole or in part, to reimburse City for all liquidated damages due or to become due to City. Any remaining balance of such payments shall be paid to Contractor only after discharge in full of all liability incurred by Contractor under this section or otherwise. If the sum so retained by City is not sufficient to discharge all

such liabilities of Contractor, Contractor and his sureties shall continue to remain liable to City until all such liabilities are satisfied in full. No failure by City to withhold any payment as hereinbefore specified shall in any manner be construed to constitute a waiver of any right to liquidated damages or any right to any such sum.

19. INDEMNITY AND HOLD HARMLESS

Contractor shall assume the defense of, and indemnify and save harmless, the City, its officers, employees, and agents, and each and every one of them, from and against all actions, damages, claims, losses or expenses of every type and description to which they may be subjected or put, by reason of, or resulting from, the performance of the work, provided that such action, damage, claim, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to, or destruction of property, whether upon or off the work, including the loss of use thereof, and is caused in whole or in part by any negligent act or omission of the Contractor, and subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, whether or not it is caused in part by a party indemnified hereunder.

20. CONTRACTOR SHALL ASSUME RISKS

Until the completion and final acceptance by City of all work under this Contract, the work shall be under Contractor's responsible care and charge. Contractor shall rebuild, repair, restore and make good all injuries, damages, reerections, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the work, except as otherwise stipulated.

21. GENERAL LIABILITY OF CONTRACTOR

Except as otherwise herein expressly stipulated, Contractor shall do all the work and furnish all the labor, materials, tools, power and light, and appliances, necessary or proper for performing and completing the work herein required in the manner within the time herein specified. The mention of any specific duty or liability of Contractor shall not be construed as limitation or restriction of any general liability or duty of Contractor and, any reference to any specific duty or liability shall be construed to be for the purpose of explanation.

22. INSURANCE

During the term of this Agreement and until final completion and acceptance of the work required by the Contract Documents, Contractor shall maintain in full force and effect at his own cost and expense the following insurance coverage:

(A) Worker's Compensation

Full Worker's Compensation Insurance and Employer's Liability policy or provide evidence of ability to undertake self-insurance. Limits of coverage shall be at least \$1,000,000 for any one person. In the event Contractor is self-insured, he shall furnish a Certificate of Permission to Self-Insure by the Department of Industrial Relations Administration of Self-Insurance, Sacramento.

(B) Comprehensive Auto and General Liability Insurance

Contractor must provide sufficient broad coverage to include:

Comprehensive Auto and General Liability Insurance  
Products and Completed Operation Liability  
Broad Form Property Damage Liability  
Contractual Liability  
Personal Injury Liability

The amount of the policy shall be no less than \$1,000,000 Single Limit per occurrence, issued by an admitted insurer or insurers as defined by the California Insurance Code, providing that the City of Sacramento, its officers, employees and agents are to be Named Insured under the policy, and the policy shall stipulate that this insurance will operate as Primary insurance and that no other insurance effected by City or other Named Insured will be called on to contribute to a loss covered thereunder.

(C) Certificate of Insurance

Contractor shall have City's standard Certificate of Insurance completed and filed with the Division of Risk Management within fifteen (15) days of the execution of this Agreement. Said policies shall provide that no cancelation, major change in coverage, or expiration may be effected by the insurance company or the insured during the term of this Agreement, without first giving to City thirty (30) days written notice prior to the effective date of such cancellation or change in coverage.

(D) Worker's Compensation Certificate

Contractor shall sign and file with the Division of Risk Management of the City of Sacramento the following certification prior to commencing performance of the work of the Contract:

"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 the Code, and I will comply with such provisions before commencing the performance of the work of this Contract."

23. FAILURE TO MAINTAIN INSURANCE

If, at any time during the performance of this Contract, Contractor fails to maintain any item of the required insurance in full force and effect, Contractor shall immediately discontinue all work under the Contract and City will withhold all Contract payments due or that become due until notice is received by City that such insurance has been restored in full force and effect and that the premiums therefor have been paid for a period satisfactory to the Division of Risk Management.

Any failure to maintain any item of the required insurance will be sufficient cause for termination of the Contract.

#### 24. EXTENSIONS OF TIME

In the event City deems it necessary, in its sole discretion, to extend the time of completion of the work to be done under this Contract beyond the required Completion Date herein specified, such extensions shall in no way release any guarantee given by contractor pursuant to the provisions of the Contract Documents, nor shall such extension of time relieve or release the sureties on the bonds executed pursuant to said provisions. By executing such bonds, the sureties shall be deemed to have expressly agreed to any such extension of time. The amount of time allowed in any extension of time shall be limited to the period of excusable delay as defined herein giving rise to the same as determined by City Council of City.

#### 25. EXCUSABLE DELAYS

For the purpose of these Contract Documents, the term "Excusable Delays" shall mean, and is limited to, delays caused directly by acts of God; acts of the public enemy; fires, riots, insurrections; epidemics; quarantine restrictions; strikes; lockouts; sitdowns; acts of a governmental agency; priorities or privileges established for the manufacture, assembly, or allotment of materials necessary in the work by order, decree or otherwise of the United States or by any department, bureau, commission, committee, agent, or administrator of any legally constituted public authority; changes in the work ordered by City insofar as they necessarily require additional time in which to complete the work; the prevention by City of Contractor from commencing or prosecuting the work because of the acts of others, excepting Contractor's subcontractors; or the prevention of Contractor from commencing or prosecuting the work because of a city-wide failure of public utility service.

Inclement weather shall not be a reason for granting an extension of time. City may, however, grant an extension of time for unavoidable delay as a result of extraordinary inclement weather which shall then be classified Excusable Delay.

The term "Excusable Delay" shall specifically not include: (i) any delay which could have been avoided by the exercise of care, prudence, foresight and diligence on the part of Contractor (ii) any delay in the prosecution of parts of the work, which may in itself be unavoidable but which does not necessarily prevent or delay the prosecution of other parts of the work, nor the completion of the whole work within the time specified; (iii) any reasonable delay resulting from time required by City for review of plans and submittals required of Contractor and for the making of surveys, measurements and inspections; (iv) any delay arising from an interruption in the prosecution of the work on account of the reasonable interference from other Contractors employed by City, which does not necessarily prevent the completion of the work within the time specified; and, (v) any delay resulting from ordinary inclement weather. Excusable Delays, if any, shall operate only to extend the Completion Date (not in excess of the period of such delay as determined by City) but shall not under any circumstances increase the sum City is to pay Contractor as provided in these Contract Documents.

26. CONTRACTOR TO SERVE NOTICE OF DELAYS

Whenever Contractor foresees any delay in the prosecution of the work, and in any event immediately upon the occurrence of any delay which Contractor regards as an excusable delay, he shall notify the City Engineer in writing of the probability of such delay and its cause, in order that the City Engineer may take immediate steps to prevent if possible the occurrence or continuance of the delay, or if this cannot be done, may determine whether the delay is to be considered excusable, how long it continues, and to what extent the prosecution and completion of the work are delayed thereby. Said notice shall constitute an application for an extension of time only if the notice requests such an extension and sets forth Contractor's estimate of the additional time required together with a full description of the cause of the delay relied upon.

After the completion of any part or whole of the work, the City Engineer, in estimating the amount due Contractor, will assume that any and all delays which may have occurred in its prosecution and completion have been avoidable delays, except such delays as shall have been called to the attention of the City Engineer at the time of their occurrence and found by him to have been excusable. Contractor shall make no claim that any delay not called to the attention of the City Engineer at the time of its occurrence has been an excusable delay.

27. EXTENSION OF TIME

Should any delays occur which the City Council may consider excusable, as herein defined, Contractor shall, pursuant to his application, be allowed an extension of time beyond the time herein set forth proportional to said delay or delays in which to complete this Contract; and, during an extension which may have been granted because of an excusable delay or delays, City shall not charge liquidated damages against Contractor for such delay. Only the City Council may grant an extension of time on the Contract.

28. EXTENSION OF TIME DOES NOT WAIVE CITY'S RIGHTS

The granting of any extension of time on account of delays which in the judgment of the City Council are excusable delays shall in no way operate as a waiver on the part of City of its rights under this Contract excepting only the extension of the Completion Date.

29. NO PAYMENT FOR DELAYS

No damages or compensation of any kind shall be paid to Contractor or any subcontractor because of delays in the progress of the work whether such delays qualify for extension of time under this Agreement or not.

Contractor waives all claims against City, its officials and employees, for any loss or damage sustained by reason of delays beyond the Completion Date arising out of modifications of this Agreement, including modifications deemed necessary or desirable by City for the correction of errors or omissions in this Agreement, Plans or Specifications, it being expressly understood and agreed that no damages or compensation of any kind shall be paid to Contractor because of such delays.

30. CHANGES IN THE WORK

Changes in the work made pursuant to changes issued in accordance with the Standard Specifications and extensions of time of completion made necessary by reason thereof (beyond the Completion Date) shall not in any way release any guarantee given by Contractor pursuant to the provisions of the Contract Documents, or the Contract let hereunder, nor shall such changes in the work relieve or release the sureties on bonds executed pursuant to the said provisions. By executing such bonds, the sureties shall be deemed to have expressly agreed to any such change in the work and to any extension of time made by reason thereof.

31. TERMINATION AFTER COMPLETION DATE

In addition to any rights it may have, City may terminate this Contract at any time after the Completion Date as adjusted by any extensions of time for excusable delays that may have been granted. Upon such termination Contractor shall not be entitled to receive any compensation for services rendered by him before or after such termination, and he shall be liable to City for liquidated damages for all periods of time beyond such termination date until the work is completed.

32. CONTRACTOR BANKRUPT

If Contractor should commence any proceeding under the Bankruptcy Act, or if contractor be adjudged a bankrupt, or if Contractor should make any assignment for the benefit of creditors, or if a receiver should be appointed on account of Contractor's insolvency, then the City Council may, without prejudice to any other right or remedy, terminate the Contract and complete the work by giving notice to Contractor and his surety according to the provisions of Section 33. Contractor's Surety shall have the right to complete the work by commencing within thirty (30) days as specified in Section 33; and, in the event Contractor's Surety fails to commence work within thirty (30) days as specified in Section 33, City shall have the right to complete, or cause completion of the work, all as specified in Section 33.

33. TERMINATION FOR BREACH OF CONTRACT

If Contractor should abandon the work under this Contract, or if the Contract or any portion of the Contract should be sublet or assigned without the consent of the City Council, or if the City Engineer should be of the opinion that the conditions of the Contract in respect to the rate of progress of the work are not being fulfilled or any part thereof is unnecessarily delayed, or if Contractor should willfully violate or breach, or fail to execute in good faith, any of the terms or conditions of the Contract, or if Contractor should persistently refuse or fail to supply enough properly skilled labor or materials, or fail to make prompt payment to subcontractors for material or labor, or persistently disregard laws, ordinances or proper instruction or orders of the Engineer, then, notwithstanding any provision to the contrary herein, the City Council may give Contractor and his Surety written notification to immediately correct the situation or the Contract shall be terminated.

In the event that such notice is given, and, in the event such situation is not corrected, or satisfactory arrangement for correction is not made, within ten (10) calendar days from the date of such notice, the Contract shall upon the



expiration of said ten (10) calendar days cease and terminate. In the event of any such termination, City shall immediately serve notice thereof upon the Surety and Contractor; and the Surety shall have the right to take over and perform the Contract, provided, however, that if the Surety does not commence performance thereof within thirty (30) days from the date of the mailing to such Surety of notice of termination, City may take over the work and prosecute the same to completion by Contract, or otherwise, for the account and at the expense of Contractor, and his Surety shall be liable to City for any excess cost occasioned City thereby, as hereinafter set forth.

In the event City completes the work, or causes the work to be completed, as aforesaid, no payment of any sum shall be made to Contractor until the work is complete. The cost of completing the work, including but not limited to, extra contract costs, the costs of City forces, extra costs of administration and management incurred by City, either direct or indirect, shall be deducted from any sum then due, or which becomes due, to Contractor from City. If no sum sufficient to pay the difference between sums due to Contractor from City and the cost of completing the work, Contractor and the Surety shall pay City a sum equal to said difference on demand. In the event City completes the work, and there is a sum remaining due to Contractor after City deducts the aforementioned costs of completing the work, then City shall thereupon pay such sum to contractor and his Surety.

No act by City before the work is finally accepted including, but not limited to, exercise of other rights under the Contract, actions at law or in equity, extensions of time, payments, claims of liquidated damages, occupation or acceptance of any part of the work, waiver of any prior breach of the Contract or failure to take action pursuant to this section upon the happening of any prior default or breach by Contractor shall be construed to be a waiver by, or to estop, City from acting pursuant to this paragraph upon any subsequent event, occurrence of failure by Contractor to fulfill the terms and conditions of the Contract. The rights of City pursuant to this paragraph are cumulative and in addition to all other rights of City pursuant to this Agreement and at law or in equity.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set forth opposite their names.

CONTRACTOR

DATE: \_\_\_\_\_

By \_\_\_\_\_

\_\_\_\_\_  
Title

CITY OF SACRAMENTO,  
a municipal corporation

DATE: \_\_\_\_\_

By \_\_\_\_\_

City Manager

ATTEST:

\_\_\_\_\_  
City Clerk  
ORIGINAL APPROVED AS TO FORM

202-500-SC36-4820  
FUNDING AVAILABLE: 208-500-SA71-4820

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
Accounting Officer

SUBSTITUTION OF SECURITIES FOR MONEY WITHHELD

At any time prior to final payment, Contractor may request substitution of securities for any money withheld by the City to ensure performance of the contract. At the expense of Contractor, securities equivalent to the money withheld may be deposited with the City or with Wells Fargo Bank as escrow agent according to a separate Security Agreement. Securities eligible for substitution shall include those listed in Section 16430 of the Government Code or bank or savings and loan certificates of deposit. A fee set by the City Council shall be charged for such substitution.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That

WHEREAS, the City of Sacramento, State of California, has awarded to

---

hereinafter designated as the "Principal", a contract for

ARTERIAL STREET LIGHTING UPGRADE  
PN:SA71-SC36

; and

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

NOW, THEREFORE, we the Principal, and

---

as Surety, are held and firmly bound unto the City of Sacramento in the penal sum of

DOLLARS

---

(\$ \_\_\_\_\_), lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the said contract and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning; and shall indemnify and save harmless the City of Sacramento, its officers and agents as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue.

And the surety, for value received hereby stipulates and agrees that, in accordance with the Standard Specifications or Special Provisions, no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or additions to the terms of the contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their seals this \_\_\_\_\_ day of \_\_\_\_\_ the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Surety \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

By \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ORIGINAL  
APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

JURAT HERE, PLEASE

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the City of Sacramento, a municipal corporation, has awarded to

---

hereinafter designated as the "Principal", a contract for

ARTERIAL STREET LIGHTING UPGRADE  
PN:SA71/SC36

; and

WHEREAS, said Principal is required to furnish a bond in connection with said contract, to secure payment of claims of laborers, mechanics, or materialmen employed on work under said contract, as provided by law;

NOW, THEREFORE, we the undersigned Principal and Surety are held and firmly bound unto the City of Sacramento in the sum of \_\_\_\_\_

DOLLARS (\$ \_\_\_\_\_),

said sum being equal to the estimated amount payable by the said City of Sacramento under the terms of the contract, for which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that if said Principal, his or its heirs, executors, administrators, successors, or assigns, or subcontractors shall fail to pay for any material, provisions, provender or other supplies or teams, implements or machinery used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, as required by the provisions of Chapter 7, Title XV, Part 4, Division 3, of the Civil Code, and provided that the claimant shall have complied with the provisions of said code; or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from the wages of employees of the contractor and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work and labor, the Surety or Sureties hereon will pay for the same and in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, said Surety will pay a reasonable attorney's fee to be fixed by the Court.

This bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under Section 3181 of the Civil Code of the State of California so as to give a right of action to them or their assigns in any suit brought upon this bond.

Said Surety, for value received, hereby stipulates and agrees that, in accordance with the Standard Specifications or Special Provisions, no charge, extension of time, alteration or addition to the terms of the contract, or to the work to be performed thereunder, or to the specifications accompanying the same, shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such charge, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their seals this \_\_\_\_\_ day of \_\_\_\_\_, the name and corporate seal of each corporate body being affixed thereto, and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Surety \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

By \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ORIGINAL  
APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

JURAT HERE, PLEASE

## EXCERPTS FROM THE CALIFORNIA LABOR CODE RELATING TO APPRENTICES ON PUBLIC WORKS

### Chapter 4 of Division 3

#### THE SHELLEY-MALONEY APPRENTICE LABOR STANDARDS ACT OF 1939

(Note: Boldface type denotes key points.)

3098. An awarding agency whose public works contract fails within the jurisdiction of Section 1777.5 shall, within five days of the award, send a copy of the award to the Division of Apprenticeship Standards. When specifically requested by a local joint apprenticeship committee, the division shall notify the local joint apprenticeship committee regarding all such awards applicable to the joint apprenticeship committee making the request. Within five days of a finding of any discrepancy regarding the ratio of apprentices to journeymen, pursuant to the certificated fixed number of apprentices to journeymen, the awarding agency shall notify the Division of Apprenticeship Standards.

(Amended by Stats. 1974, Ch. 1095.)

#### Chapter 1 of Division 2 APPRENTICES ON PUBLIC WORKS

1776. Each contractor and subcontractor shall keep an accurate payroll record, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice or worker employed by him in connection with the public work. The contractor's and subcontractor's payroll records shall be available for inspection at all reasonable hours, and a copy shall be made available to the employee or his authorized representative, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards. The body awarding the contract may charge a reasonable fee for copying such records. The body awarding the contract shall be required to retain the records filed pursuant to this section for 90 days after completion of the contract. After a complaint has been filed with the awarding body or the Division of Labor Standards Enforcement alleging that a contractor or subcontractor has paid less than the prevailing wage on a public works project, the contractor or subcontractor shall upon written notice from either the awarding body or the Division of Labor Standards Enforcement within 10 days file with the body awarding the contract a certified copy of the payroll records.

(Amended by Stats. 1976, Ch. 599.)

1777.5. Nothing in this chapter shall prevent the employment of properly registered apprentices upon public works.

Every such apprentice shall be paid the standard wage paid to apprentices under the regulations of the craft or trade at which he is employed, and shall be employed only at the work of the craft or trade to which he is registered.

Only apprentices, as defined in Section 3077, who are in training under apprenticeship standards and written apprentice agreements under Chapter 4 (commencing at Section 3070), Division 3, of the Labor Code, are eligible to be employed on public works. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which he is training.

When the contractor to whom the contract is awarded by the state or any political subdivision, or any subcontractor under him, in performing any of the work under the contract or subcontract, employs workmen in any apprenticeable craft or trade, the contractor and subcontractor shall apply to the joint apprenticeship committee administering the apprenticeship standards of the craft or trade in the area of the site of the public work for a certificate approving the contractor or subcontractor under the apprenticeship standards for the employment and training of apprentices in the area or industry affected: provided, however, that the approval as established by the joint apprenticeship committee or committees shall be subject to the approval of the Administrator of Apprenticeship. The joint apprenticeship committee or committees, subsequent to approving the subject contractor or subcontractor, shall arrange for the dispatch of apprentices to the contractor or subcontractor in order to comply with this section. There shall be an affirmative duty upon the joint apprenticeship committee or committees administering the apprenticeship standards of the craft or trade in the area of the site of the public work to ensure equal employment and affirmative action in apprenticeship for women and minorities. Contractors or subcontractors shall not be required to submit individual applications for approval to local joint apprenticeship committees provided they are already covered by the local apprenticeship standards. The ratio of apprentices to journeymen who shall be employed in the craft or trade on the public work may be the ratio stipulated in the apprenticeship standards under which the joint apprenticeship committee operates but in no case shall the ratio be less than one apprentice for each five journeymen, except as otherwise provided in this section.

The contractor or subcontractor, if he is covered by this section, upon the issuance of the approval certificate, or if he has been previously approved in such craft or trade, shall employ the number of apprentices or the ratio of apprentices to journeymen stipulated in the apprenticeship standards. Upon proper showing by the contractor that he employs apprentices in such craft or trade in the state on all of his contracts on an annual average of not less

than one apprentice to each five journeymen, the Division of Apprenticeship Standards may grant a certificate exempting the contractor from the 1-to-5 ratio as set forth in this section. This section shall not apply to contracts of general contractors involving less than thirty thousand dollars (\$30,000) or 20 working days or to contracts of specialty contractors not bidding for work through a general or prime contractor, involving less than two thousand dollars (\$2,000) or fewer than five working days.

"Apprenticeable craft or trade," as used in this section, shall mean a craft or trade determined as an apprenticeable occupation in accordance with rules and regulations prescribed by the Apprenticeship Council. The joint apprenticeship committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting a contractor from the 1-to-5 ratio set forth in this section when it finds that any one of the following conditions is met:

(a) In the event unemployment for the previous three-month period in such area exceeds an average of 15 percent, or

(b) In the event the number of apprentices in training in such area exceeds a ratio of 1 to 5, or

(c) If there is a showing that the apprenticeable craft or trade is replacing at least one-thirtieth of its journeymen annually through apprenticeship training, either (1) on a statewide basis, or (2) on a local basis.

(d) If assignment of an apprentice to any work performed under a public works contract would create a condition which would jeopardize his life or the life, safety, or property of fellow employees or the public at large or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.

When such exemptions are granted to an organization which represents contractors in a specific trade from the 1-to-5 ratio on a local or statewide basis the member contractors will not be required to submit individual applications for approval to local joint apprenticeship committees, provided they are already covered by the local apprenticeship standards.

A contractor to whom the contract is awarded, or any subcontractor under him, who, in performing any of the work under the contract, employs journeymen or apprentices in any apprenticeable craft or trade and who is not contributing to a fund or funds to administer and conduct the apprenticeship program in any such craft or trade in the area of the site of the public work, to which fund or funds other contractors in the area of the site of the public work are contributing, shall contribute to the fund or funds in

each craft or trade in which he employs journeymen or apprentices on the public work in the same amount or upon the same basis and in the same manner as the other contractors do, but where the trust fund administrators are unable to accept such funds, contractors not signatory to the trust agreement shall pay a like amount to the California Apprenticeship Council. The contractor or subcontractor may add the amount of such contributions in computing his bid for the contract. The Division of Labor Standards Enforcement is authorized to enforce the payment of such contributions to the fund or funds as set forth in Section 227.

The body awarding the contract shall cause to be inserted in the contract stipulations to effectuate this section. Such stipulations shall fix the responsibility of compliance with this section for all apprenticeable occupations with the prime contractor.

All decisions of the joint apprenticeship committee under this section are subject to the provisions of Section 3081.

(Amended by Stats. 1976, Ch. 1179.)

1777.5. It shall be unlawful for an employer or a labor union to refuse to accept otherwise qualified employees as registered apprentices on any public works, on the ground of the race, religious creed, color, national origin, ancestry, sex, or age, except as provided in Section 3077, of such employee.

(Amended by Stats. 1976, Ch. 1179.)

1777.7. In the event a licensed contractor willfully fails to comply with the provisions of Section 1777.5, such licensee shall be denied the right to bid on any public works contract for a period of one year from the date the determination of non-compliance is made by the Administrator of Apprenticeship, and, notwithstanding the provisions of Section 1727, upon receipt of such a determination the awarding body shall withhold from contract progress payments then due or to become due the sum of five thousand dollars (\$5,000). Any determination shall be issued after a full investigation, a fair and impartial hearing, and reasonable notice thereof in accordance with reasonable rules and procedures prescribed by the California Apprenticeship Council. Any funds withheld by the awarding body pursuant to this section shall be released to the contractor upon issuance of an order to that effect by the administrator, or upon completion of the contract.

The interpretation and enforcement of Sections 1777.5 and 1777.7 shall be in accordance with the rules and procedures of the California Apprenticeship Council.

(Amended by Stats. 1976, Ch. 538.)



GREATER SACRAMENTO AREA PLAN (GSAP) EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS  
(Executive Order 11246)

The City of Sacramento is signatory to the "Greater Sacramento Area Plan" (hereinafter referred to as the "Plan") a joint industry-labor-minority representative agreement established for the purpose of increasing the employment of minorities in all phases and at all levels of skill in the building and construction industry within the greater Sacramento area. The City has adopted the "Plan" as its affirmative action program for City construction contracts and requires a contractor and his subcontractors be signatory to the Plan in order to be eligible for an award of a City contract. Additional information regarding the Plan is available at its headquarters office located at 2220 Watt Avenue, Suite B-5, Sacramento, 95825, Telephone No. (916) 489-3685.

1. As used in these specifications:
  - a. "Covered area" means the geographical area within the following counties: Amador, El Dorado, Nevada, Placer, Sacramento, Sierra, and Yolo.
  - b. "Director" means Director, of GSAP, or any person to whom the Director delegates authority;
  - c. "Minority" includes:
    - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
    - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race;
    - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands); and
    - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is signatory under Part I of the GSAP a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of the GSAP. Each Contractor or Subcontractor participating in the GSAP is individually required to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:
  - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

- b. Establish and maintain a current list of minority and female recruitment sources, provided written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions, including specific review of these items with onsite supervisory personnel such as Superintendents, General foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- j. Encourage present minority and female employees to recruit other minority persons and women and where reasonable, provide after school summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
- k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR, Part 60.3.
- l. Conduct at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
- n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
- p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended and its implementing regulations, by the Office of Federal Contract Compliance Program. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

#### GSAP REPORTING REQUIREMENTS

- (1) All contract and subcontracts (over \$10,000) are subject to the reporting requirements.
- (2) Contractors must submit a CC 257 (Monthly Employee Utilization Report) to the GSAP at 2220 Watt Avenue, Suite B-5, Sacramento, California 95825.
- (3) If the Contractor is already required to submit CC 257 there is no need to submit an additional form.
- (4) This report must arrive at the GSAP no later than the 5th working day of each month.
- (5) Failure to report is automatic cause to find the Contractor in noncompliance.
- (6) Each report is monitored by GSAP and measured against the specified goals for minorities and women.

**U. S. DEPARTMENT OF LABOR**  
**Employment Standards Administration, OFCCP**

**MONTHLY EMPLOYMENT  
 UTILIZATION REPORT**

1. COVERED AREA (SMSA OR EA)

3. CURRENT GOALS

4. REPORTING PERIOD

MINORITY: \_\_\_\_\_

FROM: \_\_\_\_\_

This report is required by Executive Order 11246, Sec. 203. Failure to report can result in contracts being cancelled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts of federally assisted construction contracts.

2. EMPLOYERS I.D. NO.

FEMALE: \_\_\_\_\_

TO: \_\_\_\_\_

NAME AND LOCATION OF CONTRACTOR

FEDERAL  
 FUNDING  
 AGENCY

5. CONSTRUCTION TRADE	Classifications	6. WORK HOURS OF EMPLOYMENT (Federal & Non-Federal)												9. TOTAL NUMBER OF EMPLOYEES		10. TOTAL NUMBER OF MINORITY EMPLOYEES		
		6a. TOTAL ALL EMPLOYEES BY TRADE		6b. BLACK (Not of Hispanic Origin)		6c. HISPANIC		6d. ASIAN OR PACIFIC ISLANDERS		6e. AMERICAN INDIAN OR ALASKAN NATIVE		7. MINORITY PERCENTAGE	8. FEMALE PERCENTAGE	M	F	M	F	
		M	F	M	F	M	F	M	F	M	F							
	Journey worker																	
	APPRENTICE																	
	TRAINEE																	
	SUB-TOTAL																	
	Journey worker																	
	APPRENTICE																	
	TRAINEE																	
	SUB-TOTAL																	
	Journey worker																	
	APPRENTICE																	
	TRAINEE																	
	SUB-TOTAL																	
	Journey worker																	
	APPRENTICE																	
	TRAINEE																	
	SUB-TOTAL																	
TOTAL JOURNEY WORKERS																		
TOTAL APPRENTICES																		
TOTAL TRAINEES																		
GRAND TOTAL																		

11. COMPANY OFFICIAL'S SIGNATURE AND TITLE

12. TELEPHONE NUMBER (Include area code)

13. DATE SIGNED

PAGE

OF

## INSTRUCTIONS FOR FILING MONTHLY EMPLOYMENT UTILIZATION REPORT (CC-257)

The Monthly Utilization Report is to be completed by each subject contractor (both prime and sub) and signed by a responsible official of the company. The reports are to be filed by the 5th day of each month during the term of the contract, and they shall include the total work-hours for each employee classification in each trade in the covered area for the monthly reporting period. The prime contractor shall submit a report for its aggregate work force and collect and submit reports for each subcontractor's aggregate work force to the Federal compliance agency that has Executive Order 11246 responsibility. (Additional copies of this form may be obtained from the U.S. Department of Labor, Employment Standards Administration, OFCCP's regional office for your area.)

- Compliance Agency ..... U.S. Government agency assigned responsibility for equal employment opportunity. (Secure this information from the contracting officer.)
- Federal Funding Agency ..... U.S. Government agency funding project (in whole or in part). If more than one agency, list all.
- Contractor ..... Any contractor who has a construction contract with the U.S. Government or a contract funded in whole or in part with Federal funds.
- Minority ..... Includes Blacks, Hispanics, American Indians, Alaskan Natives, and Asian and Pacific Islanders—both men and women.
1. Covered Area ..... Geographic area identified in Notice required under 41 CFR 60-4.2.
2. Employer's Identification Number ..... Federal Social Security Number used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941).
3. Current Goals (Minority & Female) ..... See contract Notification.
4. Reporting Period ..... Monthly, or as directed by the compliance agency, beginning with the effective date of the contract.
5. Construction Trade ..... Only those construction crafts which contractor employs in the covered area.
6. Work-Hours of Employment (a-e) ..... a. The total number of male hours and the total number of female hours worked by employees in each classification.  
b.-e. The total number of male hours and the total number of female hours worked by each specified group of minority employees in each classification.
- Classification ..... The level of accomplishment or status of the worker in the trade (Journey Worker, Apprentice, Trainee)
7. Minority Percentage ..... The percentage of total minority work-hours of all work-hours (the sum of columns 6b, 6c, 6d, and 6e divided by column 6a; just one figure for each construction trade).
8. Female Percentage ..... For each trade the number reported in 6a. F divided by the sum of the numbers reported in 6a. M and F.
9. Total Number of Employees ..... Total number of male and total number of female employees working in each classification of each trade in the contractor's aggregate work force during reporting period.
10. Total Number of Minority Employees ..... Total number of male minority employees and total number of female minority employees working in each classification in each trade in the contractor's aggregate work force during reporting period.

GOALS AND TIMETABLES  
SACRAMENTO, CALIFORNIA

APPENDIX A

The following goals and timetables for female utilization shall be included in all construction contracts and subcontracts in excess of \$10,000. The goals are applicable to the contractor's aggregate on-site construction workforce whether or not part of that workforce is performing work on a covered construction contract or subcontract.

AREA COVERED

Goals for Women apply Nationwide

GOALS AND TIMETABLES

Timetable	Goals (percent)
Until further notice	----- 6.9

APPENDIX B

Until further notice the following goals and timetables for minority utilization shall be included in all construction contracts and subcontracts in excess of \$10,000 to be performed in the respective covered areas. The goals are applicable to the contractor's aggregate on-site construction workforce whether or not part of that workforce is performing work on a covered construction contract or subcontract.

SACRAMENTO, CALIFORNIA

Area covered - Sacramento, Yolo, and Placer Counties, California.

GOALS AND TIMETABLES

Timetable	Trade	Goal (percent)
Until further notice	All-----	17.5 to 20.0

SPECIAL PROVISIONS

SPECIAL PROVISIONS  
FOR  
ARTERIAL STREET LIGHTING UPGRADE  
PN: SA71/SC36

Specifications

The work to be performed under this contract shall be done in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the Standard Specifications of the City of Sacramento, dated May 1981, referred to herein as Standard Specifications (and State Specifications, State of California, January 1988, both of) which shall apply to the work. The General Conditions of the contract shall be governed by Sections 1 through 8 of the Standard Specifications. The Special Provisions shall govern first, followed by the Standard Specifications and (State Specifications, State of California).

Scope of Work

The proposed work to be performed under these Provisions is to remove the existing mercury vapor luminaires and replace with high pressure sodium luminaires at the following locations:

- Location 1 - Meadowview/Valley Hi Area
- Location 2 - Valley Hi Area
- Location 3 - South Land Park/Greenhaven Area
- Location 4 - Pocket Area
- Location 5 - Campus Commons Area
- Location 6 - College Greens Area

The time limit for the completion of all work is one hundred and twenty (120) calendar days from the Notice to Proceed, and should said work not be completed to the satisfaction of the City within said time, the Contractor shall pay to the City of Sacramento a sum of Two Hundred Dollars (\$200.00) as liquidated damages and not as a penalty, for each day's delay after the expiration of such period until the final acceptance of the work by the City and its delivery to the City.

Existing Luminaires to be Removed

One hundred of the newer model 175 watt mercury vapor luminaires and all of the high pressure sodium post top luminaires shall be delivered to the City Corporation Yard. All other 175 watt luminaires shall become the property of the contractor. Contractor shall include in his bid the salvage value of the old luminaires.



### Interpretation of Contract Documents

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Requests for interpretation shall be made in writing and delivered to the City at least seven (7) days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Requests for information regarding this procedure or other similar information, shall be directed to the Engineering Division, 927 10th Street, Rm. 200, Sacramento, CA 95814, (916) 449-5987.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Engineer at least one (1) week prior to the bid opening date.

### Review of Contractor's Information

When review and checking for acceptance is required of any drawing, or information regarding materials and equipment, the Contractor shall prepare or secure, and submit for review, six (6) copies. The Engineer, after taking appropriate action, will return two (2) marked copies to the Contractor.

Within a reasonable time after receipt of said submittal copies, the Engineer will return the marked copies indicating one of the following four (4) actions:

1. If review and checking indicates no exceptions, copies will be returned marked "APPROVED AS SUBMITTED" and work may begin immediately on incorporating the material and equipment covered by the submittal into the work.
2. If review and checking indicates limited corrections are required, copies will be returned marked "APPROVED AS NOTED". Work may begin immediately on incorporating into the work the material and equipment covered by the corrected submittal.
3. If review and checking indicates insufficient or incorrect data has been submitted, copies will be returned marked "RETURNED FOR CORRECTIONS". No work may begin on incorporating the material and equipment covered by this submittal into the work until the submittal is revised, resubmitted, and returned marked either "APPROVED AS SUBMITTED" or "APPROVED AS NOTED".
4. If review and checking indicates the material and equipment submittal is unacceptable, copies will be returned marked "RESUBMIT". No work may begin on incorporating the material and equipment covered by this submittal into the work until a new submittal is made and returned marked either "APPROVED AS SUBMITTED" or "APPROVED AS NOTED".

### State Standard Specifications and Plans

For Specifications of a technical nature not covered by the City Standard Specifications or these Special Provisions, the Standard Specifications and Standard Plans of the State of California Business and Transportation Agency Department of Transportation, dated January 1988, shall apply.

All mention of and reference to the State Standard Specifications shall specifically mean the Standard Specifications of the State of California Business and Transportation Agency Department of Transportation dated January 1988.

All mention of and reference to the State Standard Plans shall specifically mean the Standard Plans of the State of California Business and Transportation Agency Department of Transportation dated January 1988.

In the State Standard Specifications and the State Standard Plan, all mention of the "State" shall be construed to mean the City of Sacramento and all mention of the Engineer shall mean the Director of Public Works or his assistant who may have been assigned to the supervision of this project by the Director of Public Works.

### Equipment List and Drawings

Equipment list and drawings shall be in accordance with Section 34-3 of the Standard Specifications and these Special Provisions.

Contractor, within twenty (20) days after award of contract, shall submit to the Director of Public Works a statement from each vendor supplying electrical equipment, including but not limited to, traffic signal controller, signal heads, standards, luminaires, service pedestals and all other electrical equipment indicating that the orders for the materials required for this contract have been received and accepted by said vendor. The confirmed date of delivery to the contractor shall be indicated on the statement.

### Equipment to be Supplied

All equipment, material and supplies called for on the Plans and Specifications shall be new and currently manufactured items, unless otherwise specified.

All equipment shall be complete and in operation to the satisfaction of the Engineer at the acceptance time of work.

All incidental parts which are not shown on the Plans or specified herein and which are necessary to complete the traffic signal and street lighting systems shall be furnished and installed as though such parts were shown on the Plans or specified herein.

### Maintenance of Traffic and Public Safety

The Contractor shall be solely and completely responsible for furnishing, installing, and maintaining all warning signs and devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of

all vehicular and pedestrian traffic during the performance of the work. This requirement shall apply continuously and shall not be limited to normal working hours. The use of flagmen, barricades and construction signing shall comply with the current edition of "Work Area and Traffic Control Handbook" (WATCH).

The Contractor shall submit to the Engineer for review and approval a plan showing traffic control measures and/or detours for vehicles and pedestrians affected by the construction work. This plan shall be submitted a minimum of ten (10) calendar days prior to the start of work. The Contractor will not be allowed to begin work until an approved plan is on file with the Engineer.

Work shall be allowed in the traveled lanes only between the hours of 9:00 A.M. and 4:00 P. M. on work days only. Only one lane of traffic may be barricaded during these hours.

Driveways may only be closed after giving property owners 24 hour notice in advance of the closure. Driveways may only be closed during normal work periods, except when forms are in place, or while concrete or asphaltic concrete are being placed.

#### Scheduling of Work

The Contractor shall not perform any electrical work above ground at any one location until all electrical materials for that location have been received by the Contractor. The Contractor may place electrical service pedestals and underground materials such as conduit, pull boxes and foundations prior to receiving all electrical materials.

#### Maintaining Existing Electrical Facilities

All existing electroliers shall be maintained in operation until replacement electroliers are energized.

The Contractor shall take all steps necessary to keep traffic signal intersection downtime to a minimum. The work shall be scheduled so that the downtime of each intersection shall be four (4) hours maximum and shall occur during the hours of 9:00 A.M. and 3:00 P.M.

The Contractor shall notify the Engineer five (5) working days prior to a traffic signal intersection shutdown.

The City will provide, at no cost to the Contractor, personnel required for traffic control during intersection shutdown.

#### Protection of Existing Improvements

Existing improvements, utility and adjacent property shall be protected from damage resulting from the Contractor's operations. All trees, shrubbery, fences, walls and other improvements including existing pavements, sidewalks, street improvements and underground utilities and other improvements not to be removed under this contract shall be protected from damage by the Contractor throughout the construction period.

All painted or other disfiguring markings on the pavement, sidewalk or gutters shall be removed by the Contractor before acceptance of the work.

The Contractor shall be liable for costs or repairing damage to existing improvements.

#### Disputed Claims

Disputed claims will be processed as outlined in Section 4-10 of the Standard Specifications except that the Engineering Division Manager will preside at the hearing in place of the Director of Public Works (City Engineer).

#### ITEMS OF THE PROPOSAL

##### Items No. 1, 2, 3, 4, & 5 - General Requirements for Construction or Modification of Street Lighting Systems:

- Items 1 & 2 - Shall consist of modifying existing street lights by the addition of a mast arm and an 150 watt high pressure sodium vapor luminaire. All poles except galvanized poles shall be painted. All work shall be done according to these Special Provisions. Payment shall be at the unit bid price for supplying all labor and material to modify the electroliers.
- Item 3 - Shall consist of painting all standards except galvanized standards according to these Special Provisions. Payment shall be at the unit bid price for supplying all labor and material to paint the electroliers.
- Item 4 - Shall consist of supplying spare mast arm adapters as shown in these Special Provisions and Plans and delivering this item to the City Traffic Signal Maintenance Shop at 5730 24th Street. Payment shall be at the unit bid price for supplying all labor and materials.
- Item 5 - Shall consist of supplying spare 150 watt high pressure sodium vapor luminaires as specified in these Special Provisions and delivery to the City Traffic Signal Maintenance Shop at 5730 24th Street. Payment shall be at the unit bid price for supplying all labor and materials.

#### Conductors

Conductors shall be in accordance with Section 34-11 of the Standard Specifications, except insulation of Type UF, Type THW or Type THWN conforming to appropriate articles of the 1978 National Electrical Code are also approved.

#### Wiring

Wiring shall be in accordance with Section 34-12 of the Standard Specifications.

### Painting

All non-galvanized metal pole and arms or previously painted poles and arms shall be cleaned of all rust, scale, dirt, grease and loose particles before painting and with two brush coats of weather resistant aluminum paint.

Prior to painting any poles, all bolt covers shall be removed and salvaged and delivered to the Traffic Signal Maintenance Shop at 5730 24th Street.

### Mast Arm Mounted Luminaires

Twenty-four luminaires shall be delivered to the City Electric Shop, City Corporation Yard, to be used as spares.

All new luminaires to be installed shall be inspected by the Engineer prior to installation.

Mast arm mounted high pressure sodium luminaires to be furnished and installed shall be of the integral ballast type equipped with regulator type ballast having a 10%  $\pm$  regulation. Luminaires shall be high pressure sodium vapor lamps unless otherwise specified.

There shall be electrical isolation between the copper primary and secondary windings of the ballast. Luminaires shall be designed to produce asymmetric distributions conforming to Illuminating Engineering Society light pattern Type III unless otherwise specified. The units shall be suitable for two-inch (2") slipfitter end mounting.

Luminaires shall be medium semi-cutoff type.

The 150 watt high pressure sodium lamps shall be supplied with a glass prismatic refractor.

The overall length of the 150 W H.P.S. luminaire that is to be mounted on mast arm adapter bracket shall be 27" minimum. The overall width of the luminaire shall be 13" minimum. The overall depth of the luminaire shall be 8" minimum.

Luminaires shall be supplied without photo cell receptacles unless otherwise called for on the Plans. If the luminaire housing is provided with a hole for the receptacle and the receptacle is not specified, the hole shall be closed in a weatherproof manner by using one of the following methods:

1. A stainless steel or aluminum plate at least 1/2" thick pressed into the larger hole of the boss and securely fastened with RTV (room temperature vulcanizing) silicone sealant.
2. A stainless steel or aluminum plate at least 1/8" thick and gasket held by two stainless steel machine screws which are fastened into a base nut plate.

Ballasts shall conform to the following specifications:

Each luminaire shall be furnished with an integral ballast prewired to a terminal board. The ballast shall be 120 volt, regulator type with  $\pm 10\%$  input voltage range. Windings shall be copper and the primary winding shall be electrically isolated from the secondary.

Prior to City acceptance of a fixture for installation, Contractor shall submit to the ENgineer for approval information on the fixture and its ballast as per Section 34-3 of the Standard Specifications. Information on the ballast shall include but not be limited to the following:

Regulation - Furnish ballast electrical data and lamp operating volt-watt graph for nominal  $+10\%$  and  $- 10\%$  of rated line voltage for the rated life of the lamp to verify ballast performance and compliance with lamp specifications.

For nominal and through rated lamp life, the lamp wattage spread shall not exceed 18% for  $\pm 10\%$  line voltage variation.

Power Factor - Furnish test data to indicate that the power factor of the lamp-ballast system shall not drop below 90% throughout lamp life, for nominal to end of rated lamp life for  $\pm 10\%$  line voltage variation.

Capacitor Variance - Ballast design shall be such that the normal manufacturing tolerance for capacitor of  $\pm 6\%$  will not cause more than  $\pm 8\%$  variation in regulation throughout rated lamp life for  $\pm 10\%$  line voltage variation.

Lamp Failure - The ballast including the lamp starting circuitry function shall be capable of protecting itself against lamp failure modes. The ballast shall be shall be capable of operation with an open or short circuit condition for extended periods of up to six (6) months without significant loss of ballast life, based average life of 100,000 hours.

High Pressure Sodium Vapor Lamps shall conform to the following specifications:

Each luminaire shall be equipped with a clear high pressure sodium vapor lamp. The lamp base shall be a mogul screw base. Lamps shall conform to the appropriate ANSI Specifications for the luminaire voltage and wattage specified on the plans.

The Contractor shall test each lamp to be used prior to installation. All lamps used shall conform to the following initial lamp voltage characteristics:

<u>Lamps Wattage</u> <u>Watts</u>	<u>Rated Voltage</u> <u>Design Center (Nominal volts)</u>	<u>Voltage Range</u> <u>Initial</u>
70	52	44-62
100	55	45-62
150	55	48-62
200	100	90-115
400	100	90-115
1000	250	210-275

The lamp voltage measurement may be made using a standard ballast or the fixture ballast or the fixture ballast intended for use with the lamp.

The measurement shall be made with an A.C. volt meter having an accuracy of one-tenth of one percent of full scale. All lamps that do not fall within the range specified shall not be installed on this contract. Contractor shall allow the lamps to reach a steady state condition after 20 minutes before measurement is made.

The Contractor shall, as part of the guarantee, replace with the Contractors forces at the Contractors expense any and all lamps that fail within a one year period following final job acceptance. If the Contractor fails to respond within 48 hours after notification, the City will reserve the right to replace the lamp and the contractor agrees to pay the City the sum of \$50.00 for each lamp replaced in this manner.

#### Mast Arm Adapter

Twenty-four adapter arms shall be delivered to the City Electric Shop, City Corporation Yard, to be used as spares.

Mast Arm Adapter for the Post Top Standards shall conform to the requirements as shown on the Plans.

#### Field Test

Field Test shall be in accordance with Section 34-16 of the Standard Specifications.

#### Inspection

Inspection shall be in accordance with Section 34-17 of the Standard Specifications.

#### Salvage

Shall be in accordance with Section 34-4 of the Standard Specifications.

The Contractor shall provide for the safe transfer with no damage of all salvaged equipment. All salvaged equipment shall be delivered to the City Corporation Yard at 5730 24th Street, Sacramento, California.

#### Payment

Payment shall be at the contract lump sum bid price for the construction of the street lighting conversion and shall include full compensation for furnishing all labor, materials, tools and equipment and for doing all work necessary to complete the contract items.

## CONVERSION SYMBOLS

- A. Convert to 150W HPS mast arm luminaire
- B. Convert to 200W HPS mast arm luminaire
- C. Convert 175W MV post top luminaire to 150W HPS mast arm luminaire using mast arm adaptor
- D. Convert 100W HPS post top luminaire to 150W HPS mast arm luminaire using mast arm adaptor
- E. Use Type III lighting pattern
- F. Use Type II 4-way lighting pattern
- G. Provide photo cell receptacle for this luminaire
- H. Painting required



LOCATION NO. 1

MEADOWVIEW / VALLEY AREA

SERVICE NO. 514

N/S ANN ARBOR WAY 140' E OF DETROIT BLVD.

Number	Lamp Number	Conversion Symbol
1	16,345 SW corner Shrader Circle and Detroit Boulevard	CFH
2	16,355 EW Detroit Boulevard 160' ncl Fallis Cir (s)	CEH
3	16,356 WS Detroit Boulevard 240' scl Fallis Cir (n)	CEH
4	16,357 ES Detroit Boulevard spl Fallis Cir (n)	CFH
5	16,358 WS Detroit Boulevard 210' scl Reel Cir (s)	CEH
6	16,359 ES Detroit Boulevard spl Reel Cir. (s)	CFH
7	10,675 N.E. corner Detroit Boulevard & Ann Arbor Way	CFH
8	10,874 W/S of Detroit Blvd. 155' c/l of Ann Arbor Way	CEH
9	10,875 E/S of Detroit Blvd. 330' S of c/l Ann Arbor Way	CEH
10	10,876 NW corner of Detroit Blvd. c/l Saginaw Way	CFH
11	10,877 E/S of Detroit Blvd. 120' s of Saginaw Way	CEH
12	10,878 SW Corner of Detroit Blvd. c/l of Lvonia Way	CFH
13	10,879 E/S of Detroit Blvd. 15' S of c/l of Tawas Way	CEH

SERVICE NO. 782

SS MEADOWVIEW RD 30' E DETROIT BLVD.

Number	Lamp Number	Conversion Symbol
14	16,373 ns Jola Cir (n) epl Detroit Blvd.	CFH
15	16,379 es Detroit Blvd. spl Jola cir (s)	CFH
16	16,380 ws Detroit Blvd. 140' ncl Jola cir (s)	CEH
17	16,381 ws Detroit Blvd. 160' ncl Billings Way	CEH
18	16,382 ne corner Detroit Blvd. & Billings Way	CFH
19	16,398 es Detroit Blvd. 140' scl Reel Cir (n)	CEH
20	16,399 nw corner Detroit Blvd. and Reel cir (n)	CFH
21	16,400 es Detroit Blvd 180' ncl Reel Cir (n)	CEH
22	16,401 ws Detroit Blvd. 360' ncl Reel Cir (n)	CEH
23	16,402 es Detroit Blvd. 540' ncl Reel Cir (n)	CEH
24	16,403 ws Detroit Blvd. 660' scl Billings Way	CEH
25	16,404 es Detroit Blvd. 500' scl Billings Way	CEH
26	16,405 ws Detroit Blvd. 310' scl Billings Way	CEH
27	16,406 es Detroit Blvd. 150' scl Billings Way	CEH

SERVICE NO. 504

ES 24TH ST. - 440 S TEEKAY WAY

Number	Lamp Number	Conversion Symbol
28	10,523 w/s 24th St.-640' N. c/l Laramore Way	CEGH
29	10,524 e/s 24th St.-440' N. c/l of Laramore Way	CEH
30	10,525 w/s 24th St.-300' N. c/l of Laramore Way	CFH
31	10,526 e/s 24th St.-125' N. c/l of Laramore Way	CEH
32	10,527 s.w. corner 24th St. & Laramore Way	CFH
33	16,455 e/s 24th St. 300' scl Teekay Way	CEH
34	16,456 w/s 24th St. 140'	CEH
35	16,457 e/s 24th St. npl Teekay Way	CFH
36	16,458 w/s 24th St. spl John Still Dr.	CFH
37	16,459 e/s 24th St. 120' ncl John Still Dr.	CEH
38	16,460 w/s 24th St. npl Craig Avenue	CFH
39	16,461 e/s 24th St. spl Kim Avenue	CFH
40	16,462 w/s 24th St. 120' ncl Kim Avenue	CEH
41	16,463 e/s 24th St. 320' ncl Kim Avenue	CEH

SERVICE NO. 373

NS BABETTE WAY - 140' W OF KENWORTHY WAY

Number	Lamp Number	Conversion Symbol
42	16,442 w/s 24th St. 150' scl Kenworthy Way	CEH

SERVICE NO. 494

NS G PARKWAY - 125' W OF FRANKLIN BLVD.

Number	Lamp Number	Conversion Symbol
43	10,700 East side of El Mango Circle - 770' S. center line G parkway	CEH
44	10,701 S.W. corner El Mango Circle & La Sandia Way	CFH
45	10,693 East side El Mango Circle - 430' S. center line G Parkway	CEH
46	10,694 N.W. corner El Mango Circle & Caselli Circle	CFH
47	10,688 East side El Mango Circle - 130' S. center line G Parkway	CEH

Number	Lamp Number	Conversion Symbol
48	10,689 N.W. corner El Mango Circle - 130' S. center line G Parkway	CFH
49	11,017 e/s El Mango Way - 240' S c/l Caselli Circle	CEH
50	11,018 w/s El Mango Way - 330' N c/l Meadowview Rd.	CEH
51	11,019 e/s el Mango way - 110' N c/l Meadowview Rd.	CEH
52	11,013 SW corner Caselli Circle & El Mango Way	CFH
53	11,014 e/s El Mango Way - 130' N c/l Caselli Circle	CEH

SERVICE NO. 704

EAST SIDE CENTER PARKWAY 90' SOUTH OF BAMFORD DRIVE

Number	Lamp Number	Conversion Symbol
54	12,290 e/s Center Parkway 380' s c/l Mack Rd.	CEH
55	12,291 w/s Center Parkway 500' s c/l Mack Rd.	CEH
56	12,292 e/s Center Parkway 630' s c/l Mack Rd.	CEH
57	12,293 w/s Center Parkway 760' s c/l Mack Rd.	CEH
58	12,294 e/s Center Parkway 890' s c/l Mack Rd.	CEH
59	12,295 w/s Center Parkway 520' n c/l Bamford Dr.	CEH
60	12,296 e/s Center Parkway 380' n c/l Bamford Dr.	CEH
61	12,297 w/s Center Parkway 220' n c/l Bamford Dr.	CEH
62	12,298 e/s Center Parkway 120' n c/l Bamford Dr.	CEH
63	12,299 n/s Bamford Drive 130' e c/l Center Parkway	CEH
64	12,302 s/s Bamford Drive 430' e c/l Grandstaff Dr.	CEH
65	12,303 n/s Bamford Drive 640' e c/l Grandstaff Dr.	CEH
66	12,304 w/s Center Parkway at c/l Bamford Dr.	CEH
67	12,305 e/s Center Parkway 150' s c/l Bamford Cr.	CEH
68	12,306 w/s Center Parkway 300' s c/l Bamford Dr.	CEH
69	12,307 e/s Center Parkway 400' s c/l Bamford Dr.	CEH
70	12,308 w/s Center Parkway 580' s c/l Bamford Dr.	CEH
71	12,309 e/s Center Parkway 440' n c/l Alvern Way	CEH
72	12,310 w/s Center Parkway 270' n c/l Alvern Way	CEH
73	12,311 w/s Center Parkway 140' n c/l Alvern Way	CEH
74	12,312 s/e corner Center Parkway and Alvern Way	CFH
75	12,313 e/s Center Parkway 150' s c/l Alvern Way	CEH
76	12,314 w/s Center Parkway 310' s c/l Alvern Way	CEH
77	12,315 e/s Center Parkway 410' s c/l Alvern Way	CEH
78	12,316 w/s Center Parkway 560' s c/l Alvern Way	CEH
79	12,317 e/s Center Parkway 670' s c/l Alvern Way	CEH
80	12,318 w/s Center Parkway 800' s c/l Alvern Way	CEH
81	12,319 e/s Center Parkway 910' s c/l Alvern Way	CEH
82	12,320 w/s Center Parkway 1,010' s c/l Alvern Way	CEH

SERVICE NO. 678

NORTH SIDE VALLEY HI DRIVE 100' WEST OF VALLEY GREEN DRIVE

Number	Lamp Number	Conversion Symbol
83	15,918 n/s Valley Hi Dr. 180' w c/l Monaghan Dr.	CEH
84	15,920 130' s c/l Valley Hi Dr. 280' w c/l Monaghan Dr.	CEH
85	15,921 n/s Valley Hi Dr. 330' e c/l w leg Meadow Park Way	CEH
86	15,922 s/s Valley Hi Dr. 190' e c/l w leg Meadow Park Way	CEH
87	15,923 n/s Valley Hi Dr. e p/l w leg Meadow Park Way	CEH

Number	Lamp Number	Conversion Symbol
88	15,924 s/s Valley Hi Dr. 130' e c/l Pegler way	CEH
89	15,925 n/s Valley Hi Dr. wpl Pegler Way	CEH
90	12,531 s/e corner Charmette Way and Valley Hi Dr.	CFH
91	12,535 n/s Valley Hi Dr. wpl Pegler Way	CEH
92	12,536 s/s Valley Hi at Monaghan Dr.	CEH
93	11,927 n/s Valley Hi Dr. 100' west c/l Valley Green Dr.	CEH
94	11,928 s/e corner Valley Hi Dr. and Valley Green Dr.	CFH
95	11,929 n/s Valley Hi Dr. at Franciscan Way	CEH

SERVICE NO. 916

SOUTH SIDE BECKETT WAY - 130' EAST OF PITZER WAY

96	18,138 e/s Halkeep Way at spl Valley Hi Dr.	CFH
97	18,139 s/s Valley Hi Dr. at epl Kentwal Dr.	CEH\
98	18,140 s/s Valley Hi Dr. at epl Ething Ct.	CEH
99	18,141 s/s Valley Hi Dr. at cl Crits Court	CEH
100	18,192 s/s Valley Hi Dr. 180' wcl Kentwal Dr.	DE
101	18,193 s/s Valley Hi Dr. 130' wcl Ething Ct.	DE
102	18,194 n/s Valley Hi Dr. at epl Newgate Dr.	DF
103	18,195 s/s Valley Hi Dr. at wpl Gilpen Way	DF
104	18,196 n/s Valley Hi Dr. 210' wcl Gilpen Way	DE
105	18,197 s/s Valley Hi Dr. at epl Franklin Blvd.	DE

LOCATION NO. 2

VALLEY HI AREA

SERVICE NO. 688

WS BRUCEVILLE ROAD - 180' NORTH SHASTA AVE.

106	9,854 w/s Hewitt Ave. 1950' north c/l of Calvin Rd.	CEH
107	9,856 w/s Hewitt Ave. 1470' north c/l of Calvin Rd.	CEH
108	9,858 w/s Hewitt Ave. 1000' north c/l of Calvin Rd.	CEH
109	9,860 w/s Hewitt Ave. 540' north c/l of Calvin Rd.	CEH
110	9,862 NW corner of Hewitt Ave. & Calvin Rd.	CFH
111	9,865 n/s Calvin Rd. 405' west c/l of Hewitt Ave.	CEH
112	9,867 n/s Calvin Rd. 765' west c/l of Hewitt Ave.	CEH
113	9,869 n/s Calvin Rd. 1125' west c/l of Hewitt Ave.	CEH
114	9,871 n/s Calvin Rd. 1485' west c/l of Hewitt Ave.	CEH
115	9,873 n/s Calvin Rd. 1845' west c/l of Hewitt Ave.	CEH
116	9,875 NE corner Calvin Rd. & Center Parkway	CFH
117	9,853 w/s Hewitt Ave. 2200' n c/l Calvin Rd	CEH
118	9,855 w/s Hewitt Ave. 1470' n c/l Calvin Rd.	CEH
119	9,857 w/s Hewitt Ave. 1230' n c/l Calvin Rd.	CEH
120	9,859 w/s Hewitt Ave. 780' n c/l Calvin Rd.	CEH
121	9,861 w/s Hewitt Ave. 300' n c/l Calvin Rd.	CEH
122	9,863 w/s Hewitt Ave. 317' s c/l Calvin Rd.	CEH
123	9,864 s/s Calvin Rd. 225' w c/l Hewitt Ave.	CEH
124	9,866 s/s Calvin Rd. 585' w c/l Hewitt Ave.	CEH
125	9,868 s/s Calvin Rd. 945' w c/l Hewitt Ave.	CEH
126	9,870 s/s Calvin Rd. 305' w c/l Hewitt Ave.	CEH
127	9,872 s/s Calvin Rd. 1665' w c/l Hewitt Ave.	CEH
128	9,874 s/s Calvin Rd. 2025' w c/l Hewitt ave.	CEH
129	9,876 s/w corner Center Parkway and Calvin Road	CEH

SERVICE NO. 685

WEST SIDE OF CENTER PARKWAY - 160' NORTH OF EHRHARDT ROAD

130	9,879 w/s Center Parkway 350' n c/l Calvin Rd.	CFH
131	9,881 w/s Center Parkway 710' n c/l Calvin Rd.	CEH
132	9,883 w/s Center Parkway 850' s c/l Erhardt Ave.	CEH
133	9,885 w/s Center Parkway 540' s c/l Erhardt Ave.	CEH
134	9,887 w/s Center Parkway 160' s c/l Erhardt Ave.	CEH
135	9,877 e/s Center Parkway 200' south c/l of Calvin Rd.	CEH
136	9,878 e/s Center Parkway 230' north c/l of Calvin Rd.	CEH
137	9,880 e/s Center Parkway 560' north c/l of Calvin Rd.	CEH
138	9,882 e/s Center parkway 920' north c/l of Calvin Rd.	CEH
139	9,884 e/s Center Parkway 700' south c/l of Erhardt Ave.	CEH
140	9,886 e/s Center parkway 350' south c/l of Erhardt Ave.	CEH
141	9,888 e/s Center Parkway at the c/l of Ehrhardt Ave.	CEH
142	9,889 w/s Center Parkway 200' north c/l of Ehrhardt Ave.	CEGH
143	16,553 w/s Center Parkway npl Summertide Way	CEH
144	16,554 w/s Center Parkway 140' ncl Sunnyhollow court	CEH
145	20,053 e/s Center Parkway 60' scl summertide Way	DE
146	20,054 e/s Center Parkway 150' ncl Summertide Way	DE
146	20,055 e/s Center Parkway 280' ncl Summertide Way	DE
148	20,056 e/s Center Parkway 390' ncl Summertide Way	DE
149	20,057 w/s Center Parkway 280' scl Union House Creek	DE
150	20,058 e/s Center Parkway 160' scl Union House Creek	DE



Number	Lamp Number	Conversion Symbol
151	20,059 s/w corner Center Parkway and Union House Creek	DE

SERVICE NO. 883

EAST SIDE SUNNYBRAE DRIVE 140' SOUTH OF CALVINE ROAD

Number	Lamp Number	Conversion Symbol
152	17,119 s/s Calvine Rd. at wp. Sunnybrae Dr.	CFGH
153	17,120 n/s Calvine Rd. 100' e c/l Sunnybrae Dr.	CEH
154	17,121 s/s Calvine Rd. at wpl Hermitage Way	CFH
155	17,127 n/s Calvine Rd. 250' wcl Summer rim Circle	CEH
156	17,128 s/s Calvine Rd. 110' wcl Summer River Circle	CEh
157	17,129 n/s Calvine Rd. at epl summer rim Circle	CFH
158	17,130 s/s Calvine Rd. at wpl Songbird Ct.	CFH
159	17,132 n/s Calvine Rd. at epl songbird Ct.	CFH
160	17,587 e/s Carlin Rd. at spl Calvine Rd.	CFH
161	17,588 w/s Suntrail Cir. (w) at npl Calvine Rd.	CFH
162	17,594 s/s Calvine Rd. 100' e c/l suntrail Cir. (e)	CEH
163	17,595 n/s Calvine Rd. at wpl Suntrail Cir. (e)	CFH
164	17,596 s/s Calvine Rd. 100' e c/l Sunny Lake Way	CEH
165	17,598 n/s Calvine Rd. at wpl Sunny Lake Way	CEH
166	17,599 s/s Calvine Rd. 220' w c/l Sunny Lake Way	CEH

LOCATION NO. 3

SOUTH LAND PARK AREA/GREENHAVEN AREA

SERVICE NO. 646

WEST SIDE FREEPORT/MCLAREN ALLEY 70'S 35TH AVENUE

Number	Lamp Number	Conversion Symbol
167	14.625 s/w corner Belleau Wood and 35th Avenue	CFH
168	14,626 n/s 35th Avenue 180' e c/l Belleau Wood	CEH
169	14,627 n/s 35th Avenue 400' e c/l Belleau Wood	CEH
170	14,628 n/s 35th Avenue 620' e c/l Belleau Wood	CEH
171	14,629 n/s 35th Avenue 470' w c/l McLaren	CEH
172	14,630 n/s 35th Avenue 250' w c/l McLaren	CEH
173	14,631 n/s 35th Avenue 200' e c/l McLaren	CEH
174	14,632 n/w corner 35th Avenue and McLaren	CFH

SERVICE NO. 526

NORTH SIDE 34TH AVENUE 124' EAST OF DANA WAY

Number	Lamp Number	Conversion Symbol
175	12,765 s/e corner Nolder Way and Fruitridge Rd.	CFH
176	12,766 s/e corner Fruitridge Rd. and Bradd Way	CFH
177	11,206 s/w corner Dana Way & Fruitridge Rd.	CFH
178	11,213 s/w corner Harold Way & Fruitridge Rd.	CFH

SERVICE NO. 892

SOUTH SIDE SPINNAKER WAY 140' WEST OF GLORIA DRIVE

Number	Lamp Number	Conversion Symbol
179	17,333 e/s Gloria Drive 320' n c/l Shaw River Way	CEH
180	17,335 w/s Gloria Drive 140' n c/l shaw River Way	CFH
181	17,336 e/s Gloria at spl Shaw River Way	CFH
182	17,337 w/s Gloria Drive at spl Spinnaker Way	CFH
183	17,340 e/s Gloria Drive 210' s c/l Spinnaker Way	CEH

SERVICE NO. 911

ES ROB RIVER WAY 150' NORTH OF RIVERGATE WAY

Number	Lamp Number	Conversion Symbol
184	18,025 w/s Gloria Drive 450' n c/l rivergate Way (at Canal)	CEH
185	18,026 e/s Gloria Drive 230' n c/l rivergate Way	CEH

SERVICE NO. 911 (Continued)

ES ROB RIVER WAY 150' NORTH OF RIVERGATE WAY

Number	Lamp Number	Conversion Symbol
186	18,027 w/s Gloria Drive at npl Rivergate Way	CFH
187	18,028 e/s Gloria Drive at spl Rivergate Way	CFH

SERVICE NO. 905

WS COOL RIVER CT. - 100' NORTH CEDAR RIVER WAY

Number	Lamp Number	Conversion Symbol
188	17,703 e/s Gloria Drive at npl Cedar River Way	CEH
189	17,704 e/s Gloria Drive 150' npl Cedar River Way	CEH
190	17,705 w/s Gloria Drive at spl Yuba River Circle	CFH
191	17,706 e/s Gloria Drive 130' ncl Yuba River Circle	CEH
192	21,271 s/e corner Gloria Drive and Twin River Way	DF

SERVICE NO. 827

SS WINDWARD WAY 140' W OF BREAKWATER WAY

Number	Lamp Number	Conversion Symbol
193	15,242 n/s Gloria Drive at spl Windward	CFH
194	15,243 s/s Gloria Drive 170' ecl Windward Way	CEH
195	15,244 n/s Gloria Drive 330' wcl Steamboat Way	CEH
196	15,245 s/s Gloria Drive 120' wcl Steamboat Way	CEH
197	15,247 n/e corner Gloria Drive and Steamboat Way	CFH

SERVICE NO. 791

NS ARK WAY 130' W OF WAVECREST WAY

Number	Lamp Number	Conversion Symbol
198	14,780 s/s Gloria Drive at w p/l Rip Tide Way	CEH
199	14,781 n/s Gloria Drive at e p/l Wavecrest Way	CFH
200	14,782 s/s Gloria Drive 100' w c/l Wavecrest Way	CEH
201	15,257 s/s Park Riviera Way 250' w c/l Gloria Dr.	CEH
202	15,258 n/s Park Riviera Way at w p/l Gloria Dr.	CFH
203	15,259 e/s Gloria Drive at npl Steamboat Way	CFH
204	15,260 w/s Gloria Drive 130' s c/l Steamboat Way	CEH

SERVICE NO. 418

NS GLORIA DRIVE 130' W OF REEF COURT

Number	Lamp Number	Conversion Symbol
205	9,725 s/s Gloria Drive 190' e Florin Road	CEH
206	9,727 n/s Gloria Drive 215' w c/l Florin Road	CEH
207	9,728 s/s Gloria Drive 400' w c/l Florin Road	CEH
208	9,729 n/s Gloria Drive 565' w c/l Florin Road	CEH

SERVICE NO. 267

100'S OF GLEN HOLLY WAY - 60' W OF GLORIA DRIVE

Number	Lamp Number	Conversion Symbol
209	11,983 n/s Gloria Drive 390' e c/l Oak Hall Drive	CEH
210	11,984 s/s Gloria Drive 226' e c/l Oak Hall Drive	CEH
211	11,985 n/e corner Gloria Drive 153' w c/l Oak Hall Drive	CFH
212	11,986 s/s Gloria Drive 153' w c/l Oak Hall Drive	CEH
213	11,987 n/e corner Del Rio Drive and Gloria Drive	CFH

SERVICE NO. 371

SOUTH SIDE CAVALCADE CIRCLE 120' WEST HAVENSIDE

Number	Lamp Number	Conversion Symbol
214	11,781 w/s havenside Drive 125' s c/l Havenwood Cir.	CEH
215	11,782 w/e corner havenside Drive & Northlite Circle	CFH
216	11,783 s/w corner Havenside Drive & Green Way	CFH
217	11,786 e/s havenside Drive 200' south c/l Green Way	CEGH

SERVICE NO. 689

EAST SIDE HAVENSIDE DRIVE 120' SOUTH NORTHLITE CIRCLE

Number	Lamp Number	Conversion Symbol
218	12,602 s/e corner Northlite Circle & Havenside Drive	CEH
219	12,604 n/w corner Westlite Circle & Havenside Drive	CFH
220	12,606 e/s havenside Drive 170' north of Skylake Way	CEH
221	12,612 w/s havenside Drive 120' north of Havenwood Drive	CEH

SERVICE NO. 738

WEST SIDE GREENHAVEN DRIVE 120' SOUTH OF PARKSHORE CIRCLE

Number	Lamp Number	Conversion Symbol
222	14,412 n/w corner Havenside Drive and Bluestar Circle	CFH

SERVICE NO. 738 (Continued)

WEST SIDE GREENHAVEN DRIVE 120' SOUTH OF PARKSHORE CIRCLE

Number	Lamp Number	Conversion Symbol
223	13,309 n/e corner Greenhaven Drive & cul-de-sac	CEH
224	13,310 s/w corner Greenhaven Drive & Parkshore Circle north	CFH
225	13,320 n/w corner Greenhaven Drive & Park Vista Circle south	CFH
226	13,321 s/w corner Greenhaven Drive & Park Vista Circle north	CFH
227	14,432 n/w corner Greenhaven Drive & Greenstar Way	CFH
228	14,433 s/e corner Greenhaven Drive & Lori Court	CFH
229	14,434 w/s Greenhaven Drive 190' south of Green Star Way	CEGH

SERVICE NO. 852

WEST SIDE HAVENSIDE DRIVE AT SOUTHLITE CIRCLE

Number	Lamp Number	Conversion Symbol
230	15,888 e/s Havenside Drive 190' north of Capay Ct.	CEH
231	15,889 w/s Havenside Drive at Capay Ct.	CFH
232	15,890 s/e corner Havenside Drive & Southlite Circle	CFH

SERVICE NO. 859

EAST SIDE HAVENSIDE DRIVE 130' SOUTH OF LOS GATOS CIRCLE

Number	Lamp Number	Conversion Symbol
233	16,087 e/s Havenside Drive at npl El Macero Way	CEH
234	16,089 w/s Havenside Drive 180' scl El Macero Way	CEH
235	16,098 e/s Havenside Drive c/l La Contenta Way	CEH
236	16,099 w/s Havenside Drive c/l Los Gatos Circle (s)	CEH
237	16,100 e/s Havenside Drive 130' s c/l Los Gatos Circle	CEGH
238	17,028 s/s Havenside Drive 450' w c/l Santa Teresa Way	CFH
239	17,029 n/s Havenside Drive 290' s c/l Santa Teresa Way	CEH
240	17,030 s/s Havenside Drive 130' w c/l Santa Teresa Way	CEH
241	17,031 n/s Havenside Drive at epl Santa Teresa Way	CFH
242	17,032 s/s Havenside Drive 230' e c/l Santa Teresa Way	CEH
243	17,033 n/s Havenside Drive at c/l Las Positas Circle n	CEH

SERVICE NO. 319

WEST SIDE SPURLOCK WAY 150' NORTH OF RIVERSIDE BOULEVARD

Number	Lamp Number	Conversion Symbol
244	10,996 e/s Riverside Blvd. 110' north c/l Surfside Way	CEH
245	10,997 e/s Riverside Blvd. 330' north c/l Surfside Way	CFH
246	14,376 e/s Riverside Blvd. 470' n c/l Surfside Way	CEH

SERVICE NO. 812

SOUTH SIDE PARK RIVIERA WAY 115' EAST FRATES WAY

Number	Lamp Number	Conversion Symbol
247	14,974 s/s Riverside Blvd. at w p.l Frates Way	CFH
248	14,975 s/s Riverside Blvd. 115' e c/l Frates Way	CEGH
249	21,671 n/e corner Park Riviera Way & Spurlock Way	DF

SERVICE NO. 825

SOUTH SIDE NORTH POINT WAY 130' WEST GRANGERS DAIRY DRIVE

Number	Lamp Number	Conversion Symbol
250	16,700 s/s North Point Way 130' West Grangers Dairy Drive	CEH

SERVICE NO. 706

50' WEST LONSDALE DRIVE 170' NORTH OF SANTA ROSA DEL RIO DRIVE

Number	Lamp Number	Conversion Symbol
251	12,388 n/s 35th Ave. 690' w c/l Lonsdale Way	CEH
252	12,389 s/s 35th Ave. 470' w c/l Lonsdale Way	CEH
253	12,390 n/s 35th Ave. 260' w c/l Lonsdale Way	CEH
254	12,391 s/w corner 35th Ave. and Lonsdale Way	CFH
255	12,392 n/s 35th Ave. 170' east c/l Lonsdale Way	CEH
256	12,393 n/s 35th Ave. 370' e c/l Lonsdale Way	CEH



SERVICE NO. 706 (Continued)

50' WEST LONSDALE DRIVE 170' NORTH OF SANTA ROSA DEL RIO DRIVE

Number	Lamp Number	Conversion Symbol
257	12,394 s/s 35th Ave. 580' e c/l Lonsdale Way	CEH
258	12,395 n/s 35th Ave. 580' w c/l Gloria Drive	CEH
259	12,396 s/s 35th Ave. 350' w c/l Gloria Drive	CEH
260	12,397 n/s 35th Ave. 170' w c/l Gloria Drive	CEH
261	12,398 s/e corner 35th Avenue and Gloria Drive	CFH

SERVICE NO. 707

EAST SIDE CLAIBORNE NORTH OF ANTIGUA

Number	Lamp Number	Conversion Symbol
262	15,216 n/s Park Riviera Way 160' e c/l Riverside Boulevard	CEH
263	15,217 s/s Park Riviera Way 210' w c/l Northshore	CEH
264	15,218 n/s Park Riviera Way at wpl Northshore	CEH

SERVICE NO. 824

WEST SIDE GREENHAVEN DRIVE 120' SOUTH OF PARKSHORE CIRCLE

Number	Lamp Number	Conversion Symbol
265	15,129 w/s Greenhaven Drive 130' s c/l Parkshore Circle (s)	CEH
266	15,130 n/e corner Greenhaven Drive and parkshore Circle (s)	CFH
267	15,817 e/s Greenhaven Drive spl Red River Ct.	CFH
268	15,818 w/s Greenhaven Drive spl Park Ranch Way	CFH
269	15,819 e/s Greenhaven Drive spl Six River	CFH
270	15,821 Greenhaven Drive 200' scl Six River	CEH
271	15,822 e/s Greenhaven Drive 130' npl Florin Rd.	CFH

LOCATION NO. 4

POCKET AREA

SERVICE NO. 900

WEST SIDE SALTON SEA WAY - 120' SOUTH OF LITTLE RIVER WAY

Number	Lamp Number	Conversion Symbol
272	17,480 w/s Rush River Drive 130' s/l Little river Way	DE
273	17,481 e/s Rush River Drive at np.1 Little River Way	DE
274	17,482 w/s Rush River Drive 200' n c/l Little River Way	DE
275	17,483 e/s Rush River Drive 360' n c/l Little River Way	DF

SERVICES NO. 979

WEST SIDE RUSH RIVER DRIVE 130' NORTH DE MARS DRIVE

Number	Lamp Number	Conversion Symbol
276	18,476 e/s Rush River Drive 300' s c/l DeMar Drive	DE
277	18,477 w/s Rush River Drive 110' s c/l DeMar Drive	DE
278	18,478 e/s Rush River Drive at n p/l DeMar Drive	DEG
279	18,479 w/s Rush River Drive at n p/l Blue Water Way	DF
280	18,480 e/s Rush River Drive 190' n c/l Blue Water Way	DE

SERVICE NO. 1046

EAST SIDE PEYTONA WAY 100' SOUTH OF SAILWIND WAY

Number	Lamp Number	Conversion Symbol
281	21,810 e/s Rush River Drive 120' s c/l Gloria Drive	DE
282	21,811 w/s Rush River Drive 270' s c/l gloria Drive	DE
283	21,812 e/s Rush River Drive 420' s c/l gloria Drive	DE
284	21,813 w/s Rush River Drive 570' s c/l Gloria Drive	DE
285	21,692 n/s Gloria Drive on c/l Peytona Way	DE
286	21,693 s/s Gloria Drive 20' w c/l Assay Court	DE
287	21,694 n/s Gloria Drive 150' w c/l Freon Court	DE
288	21,695 s/s Gloria Drive 50' e c/l Freon Court	DE
289	21,696 n/w corner Gloria Drive & Rush River Drive	DF
290	21,697 s/s Havenside Drive 140' e c/l Rush River Drive	DE
291	21,698 n/e corner Havenside Drive & Swale River Way	DF
292	21,699 s/s Havenside Drive 160' e c/l Perera Circle - W	DE
293	21,700 n/s Havenside Drive 335' e c/l Swale River Way	DE
294	21,701 s/s Havenside Drive 510' e c/l Perera Cir. - W	DE
295	21,702 n/s havenside Drive on c/l Perera Cir. E	DE

SERVICE NO. 884

SOUTH SIDE GREEN MOSS DRIVE 70' WEST WINTERMIST COURT

Number	Lamp Number	Conversion Symbol
296	17,154 w/s Windbridge Drive 200' s c/l Greenhaven Drive	CEH
297	17,155 e/s Windbridge Drive at npl Shellwood Way	CFH
298	17,156 w/s Windbridge Drive at npl Rampleak Circle	CFH
299	17,169 s/s Windbridge Drive 180' e c/l Sandpoint Court	CEH
300	17,170 n/s Windbridge Drive at epl Sandpoint Ct.	CFH
301	17,171 s/s Windbridge Drive 100' w c/l Sandpoint Ct.	CEH
302	17,172 n/s Windbridge Drive at epl Green Moss Drive	CFH
303	17,173 s/s Windbridge Drive 90' wpl Green Moss Drive	CEH
304	17,174 n/s Windbridge Drive 70' e c/l SLP dr.	CEH
305	17,175 s/s Windbridge Drive at wpl SLP Drive	CFH
306	18,245 s/s Windbridge Drive 100' e c/l Windstone Court	CEH

SERVICE NO. 981

NORTH SIDE MINNIE WAY 120' EAST DURFREE WAY

Number	Lamp Number	Conversion Symbol
307	20,645 n/s Windbridge Drive 4401 wcl Durfee Way	CEH
308	20,646 s/s Windbridge Drive 230' wcl Durfee Way	CEH
309	20,647 n/s Windbridge Drive at wpl Durfee Way	CFH
310	20,648 s/s Windbridge Drive 110' wcl Harvey Way	CEH
311	20,649 n/s Windbridge Drive at epl harvey Way	CFH
312	20,650 s/s Windbridge Drive at epl Ingalls Way	CFH
313	20,651 n/s Windbridge Drive at wpl Sillman way	CFH
314	20,652 s/s Windbridge Drive at epl Woody Way	CFH
315	20,653 n/s Windbridge Drive at wpl Flowerwood Way	CFH
316	20,654 s/s Windbridge Drive at wpl Klein Way	CFH
317	20,655 n/s Windbridge Drive 100' w c/l Klein Way	CEH
318	22,720 e/s Windbridge Drive 370' north of c/l Rush River Drive	CEH

SERVICE NO. 1123

SOUTH SIDE RUSH RIVER DRIVE 300' WEST OF DESERT WIND WAY

Number	Lamp Number	Conversion Symbol
319	18,215 s/s Rush River Drive 300' w c/l Desertwind Way	CEG
320	18,216 n/s Rush River Drive 140' w c/l Desertwind Way	CE
321	18,218 n/s rush River Drive at epl Desertwind Way	CF
322	19,042 n/s Rush River Drive 520' w c/l Desertwind way	DE
323	21,947 n/s Rush River Drive 825' w c/l Desert Wind Way	DE

SERVICE NO. 1048

EAST SIDE RUSH RIVER DRIVE 200' NORTH OF IMAI WAY

Number	Lamp Number	Conversion Symbol
324	21,538 n/w corner Imai Way and Rush River Drive	DFG
325	21,539 n/s Rush river Drive 309' e c/l Imai Way	DE
326	21,540 n/s Rush River Drive 674' e c/l Imai Way	DE
327	21,541 n/s Rush River Drive 373' w c/l Windbridge Dr.	DE
328	21,542 n/e corner Rush River Drive and Windbridge Drive	DF
329	21,582 s/s Rush River Drive 206' w c/l Imai Way	DE
330	21,583 s/e corner rush River Drive & Spicewood Drive	DF
331	21,584 s/s rush River Drive 368' e c/l Spicewood Drive	DE
332	21,585 s/s Rush River Drive 533' w c/l Windbridge Drive	DE
333	21,586 s/s Rush River Drive 218' w c/l Windbridge Drive	DE

LOCATION NO. 5

CAMPUS COMMONS AREA

SERVICE NO. 416

WEST SIDE OF UNIVERSITY AVENUE - 3400' SOUTH OF CAMPUS COMMONS

Number	Lamp Number	Conversion Symbol
334	9,325 e/s University Avenue 190' s c/l Campus Commons Road	CEH
335	9,326 w/s University Avenue 360' s c/l Campus Commons Road	CEH
336	9,327 w/s University Avenue 530' s c/l of Campus Commons Road	CEH
337	9,328 w/s University Avenue 710' s c/l of Campus Commons Road	CEH
338	9,329 w/s University Avenue 8,770' s c/l of Campus Commons Road	CEH
339	9,330 w/s University Avenue 1,040' s c/l of Campus Commons Road	CEH
340	9,331 w/s University Avenue 1,220' s c/l of Campus Commons Road	CEH
341	9,332 w/s University Avenue 1,310' s c/l of Campus Commons Road	CEH
342	9,333 w/s University Avenue 1,500' s c/l of Campus Commons Road	CEH
343	9,334 w/s university Avenue 1,600' s c/l of Campus Commons Road	CEH
344	9,335 w/s University Avenue 1,790' s c/l of Campus Commons Road	CEH
345	9,336 w/s University Avenue 1,970' s c/l of Campus Commons Road	CEH
346	9,337 w/s University Avenue 2,040' s c/l of Campus Commons Road	CEH
347	9,338 e/s University Avenue 2,210' s c/l of Campus Commons Road	CEH
348	9,339 w/s University Avenue 2,350' s c/l of Campus Commons Road	CEH
349	9,340 e/s University Avenue 2,540' s c/l of Campus Commons Road	CEH
350	9,341 w/s University Avenue 2,670' s c/l of Campus Commons Road	CEH
351	9,342 e/s University Avenue 2,820' s c/l of Campus Commons Road	CEH
352	9,343 w/s University Avenue 2,980' s c/l of Campus Commons Road	CEH
353	9,344 e/s University Avenue 3,150' s c/l of Campus Commons Road	CEH
354	9,345 w/s University Avenue 3,330' s c/l of Campus Commons Road	CEH
355	9,346 e/s University Avenue 3,460' s c/l of Campus Commons Road	CEH
356	9,347 w/s University Avenue 3,670' s c/l of Campus Commons Road	CEH
357	9,348 e/s University Avenue 3,810' c c/l of Campus Commons Road	CEH
358	9,349 w/s University Avenue 3,960' s c/l of Campus Commons Road	CEH
359	9,350 e/s University Avenue 4,080' s c/l of Campus Commons Road	CEH
360	9,351 w/s University Avenue 4,290' s c/l of Campus Commons Road	CEH
361	14,772 n/s University Avenue 750' w c/l Howe Avenue	CEH
362	14,773 s/s University Avenue 520' w c/l Howe Avenue	CEH
363	14,774 n/s University Avenue 350' w c/l Howe Avenue	CEH
364	14,775 s/s University Avenue 120' w c/l Howe Avenue	CEH

SERVICE NO. 393

NORTH SIDE COMMONS DRIVE 250' EAST OF CAMPUS COMMONS ROAD

Number	Lamp Number	Conversion Symbol
365	8,344 n/s University Avenue 330' w c/l Howe Avenue	CEH
366	8,345 s/s University Avenue 560' w c/l Howe Avenue	CEH
367	8,346 n/s University Avenue 670' w c/l Howe Avenue	CEH
368	8,347 s/s University Avenue 900' w c/l Howe Avenue	CEH
369	8,348 n/s University Avenue 1,030' w c/l Howe Avenue	CEH
370	8,349 s/s University Avenue 1,280' w c/l Howe Avenue	CEH
371	8,350 n/w corner of University Avenue & Campus Commons Rd.	CFH
372	8,351 e/s Campus Commons Rd 160' s c/l University Avenue	CEH
373	8,352 w/s Campus Commons Rd 370' s c/l University Avenue	CEH

SERVICE NO. 393 (Continued)

NORTH SIDE COMMONS DRIVE 250' EAST OF CAMPUS COMMONS ROAD

Number	Lamp Number	Conversion Symbol
374	8,353 n/e corner of Commons Drive and Campus Commons Rd.	CFGH
375	8,354 s/s Commons Drive 265' e c/l Campus Commons Rd	CEH
376	8,355 n/s Commons Drive 490' e c/l Campus Commons Rd	CEH
377	8,356 s/s Commons Drive 740' e c/l Campus Commons Rd	CEH
378	8,357 n/s Commons Drive 950' e c/l Campus Commons Rd	CEH
379	8,358 s/s Commons Drive 150' w c/l Campus Commons Rd	CEH
380	8,359 n/s Commons Drive 250' w c/l Campus Commons Rd	CEH
381	8,360 s/e corner of Commons Drive and Hartnell Place	CFH
382	8,361 w/s Hartnell Place 250' s c/l Commons Drive	CEH
383	8,362 e/s hartnell Place 470' s c/l Commons Drive	CEH
384	8,363 w/s Hartnell Place 130' n c/l Commons Drive	CEH
385	8,364 e/s Hartnell Place 300' n c/l commons Drive	CEH
386	12,559 s/s Hartnell Pl 700' w c/l Vanderbilt Way	CEH
387	12,560 n/s Hartnell Pl 340' w c/l Vanderbilt Way	CEH
388	12,561 s/w Hartnell Pl and Vanderbilt Way	CEH
389	12,562 n/s Hartnell Pl 320' e c/l Vanderbilt Way	CEH
390	10,511 w/s Hartnell Place opposite n/w corner 244 Hartnell Place	CEH
391	10,512 n/w corner of 294 Hartnell Place	CEH
392	10,513 n/w corner of 374 Hartnell Place	CEH
393	10,514 n/w corner of 438 Hartnell Place	CEH
394	10,515 s/e corner of 488 Hartnell Place	CEH
395	10,516 s/e corner of 473 Hartnell Court	CEH
396	10,517 n/e corner of 485 Hartnell Court	CEH
397	10,518 s/w corner of 505 Hartnell Place	CFH
398	10,519 n/e corner of 523 Hartnell Court	CEH
399	10,520 w/s Hartnell Place opposite n/w corner 531 Hartnell Place	CEH
400	10,521 s/e corner 535 Hartnell Court	CFH
401	10,522 n/w corner 545 Hartnell Place	CEH
402	12,563 w/s Hartnell Place West 270' n c/l Hartnell Pl. South	CEH
403	12,564 e/s Hartnell Place West 610' n c/l Hartnell Pl. South	CEH
404	12,565 w/s Hartnell Place West 910' n c/l Hartnell Pl. South	CEH
405	12,566 e/s Hartnell Pl. West 1,260' n c/l Hartnell Pl. South	CEH
406	12,651 s/s Campus Commons Road 190' w 190' west c/l University Ave.	CEH
407	12,729 e/s Vanderbilt approximately 370' s c/l Hartnell Pl.	CEH
408	9,319 n/s American River Drive 440' e c/l of Commons Drive	CEH
409	9,320 s/s American River Drive 240' e c/l of Commons Drive	CEH
410	9,321 n/e corner American River Drive and Commons Drive	CFH
411	9,322 w/s Commons Drive 250' w c/l of American River Drive	CEH
412	9,323 e/s Commons Drive 450' n c/l of American River Drive	CEH
413	9,324 w/s Commons Drive 650' n c/l of American River Drive	CEH



SERVICE NO. 388

WEST SIDE OF BRECKENWOOD WAY - 150' SOUTH OF AMERICAN RIVER

Number	Lamp Number	Conversion Symbol
414	9,299 s/s American River Drive 530' e c/l of Munroe Street	CEH
415	9,300 w/s American River Drive 421' e c/l of Munroe Street	CEH
416	9,301 s/s American River Drive 260' e c/l of Munroe Street	CEH
417	9,302 n/s American River Drive 131' e c/l of Munroe Street	CEH
418	8,191 n/s American River Drive 120' w of Breckenwood Way	AH
419	8,129 n/s American River Drive 120' e of Breckenwood Way	AH
420	8,193 s/w corner American River Drive and Breckenwood Way	AH

SERVICE NO. 802

ES UNIVERSITY AVENUE 165' SOUTH OF AMERICAN RIVER DRIVE

Number	Lamp Number	Conversion Symbol
421	9,309 w/s American River Drive 180' w c/l Munroe	CEH
422	9,310 s/s American River Drive 340' w c/l Munroe	CEH
423	9,311 n/s American River Drive 540' w c/l Munroe	CEH
424	9,312 n/s American River Drive 700' w c/l Munroe	CEH
425	9,313 n/s American River Drive 800' w c/l Munroe	CEH
426	9,314 s/s American River Drive 1,220' w c/l Munroe	CEH
427	9,315 n/w corner American River Drive and Scripps	CEH
428	9,316 s/s American River Drive and Scripps	CEH
429	9,317 w/s American River Drive 780' e c/l Commons Drive	CEH
430	9,318 s/s American River Drive 525' e c/l Commons Drive	CEH
431	10,281 e/s cul de sac 400' e Fullerton Ct.	CEH
432	10,282 n/s Scripps Dr. 400' e Fullerton Ct.	CEH
433	10,283 n/s Scripps 650' e Fullerton Ct.	CEH
434	10,284 n/s Scripps 870' e Fullerton Ct.	CEH
435	10,285 e/s cul de sac 870' e Fullerton Ct.	CEH
436	10,286 n/s Scripps 600' w American River Drive	CEH
437	10,287 n/s Scripps 420' w American River Drive	CEH
438	10,288 n/s Scripps 120' w American River Drive	CEH

SERVICE NO. 692

75' NORTH OF SWARTHMORE DRIVE 340 FEET WEST OF HOWE AVENUE

Number	Lamp Number	Conversion Symbol
439	12,272 w/s Commons Rd. 130' s c/l American River Drive	CEH
440	12,773 n/s Colby Court 220' e c/l Commons Road	CEH
441	12,274 s/e corner Colby Ct. and Commons Road	CFH
442	12,275 w/s Commons Rd. 220' s c/l Colby Court	CEH
443	12,276 e/s Commons Rd. 140' n c/l Adelphi Court	CEH

## SERVICE NO. 692 (Continued)

75' NORTH OF SWARTHMORE DRIVE 340 FEET WEST OF HOWE AVENUE

Number	Lamp Number	Conversion Symbol
444	12,277 s/s Adelphi Ct. 180' East c/l Commons Road	CEH
445	12,278 w/s Commons Rd. at c/l Adelphi Court	CEH
446	12,279 e/s Commons Rd. 210' south c/l Adelphi Court	CEH
447	12,280 w/s Commons Rd. at Swarthmore Drive	CEH
448	12,281 n/s Swarthmore Drive 200 East Commons Rd.	CEH
449	12,282 s/s Swarthmore Drive 300' west c/l Howe Avenue	CEH
450	12,780 w/s Commons Drive 200' n c/l Vanderbilt Way	CEH
451	12,781 n/e corner Commons Drive and Vanderbilt Way	CEH
452	12,782 s/s Vanderbilt Way 150' w c/l Commons Drive	CEH
453	12,783 n/s Vanderbilt Way 320' w c/l Commons Drive	CEH
454	12,784 s/s Vanderbilt Way 490' w c/l Commons Drive	CEH
455	12,785 n/s Vanderbilt Way 670' w c/l Commons Drive	CEH
456	12,786 s/s Vanderbilt Way 840' w c/l Commons Drive	CEH
457	12,655 n/s Swarthmore Drive 280' w c/l Commons Drive	CEH
458	12,656 End Swarthmore cul-de-sac 530' w c/l Commons Drive	CEH
459	12,657 e/s Commons Drive 280' s c/l Swarthmore Drive	CEH
460	13,706 w/s Commons Drive 500' s c/l Vanderbilt Drive	CEH
461	13,707 e/s Commons Drive 325' s c/l Vanderbilt Drive	CEH
462	13,708 w/s Commons Drive 140' s c/l Vanderbilt Drive	CEH
463	13,709 w/s Vanderbilt Drive cul-de-sac 100' s c/l Vanderbilt	CEH
464	13,710 e/s Vanderbilt Drive cul-de-sac 250' s c/l Vanderbilt	CEH
465	13,711 End Vanderbilt Drive cul-de-sac 450' s c/l Vanderbilt	CEH
466	14,769 End Commons Drive cul-de-sac 800' s c/l Vanderbilt	CEH

## SERVICE NO. 524

NS SANTA MARIA WAY - 130' E OF UNIVERSITY AVENUE

Number	Lamp Number	Conversion Symbol
467	10,775 w/s University Ave. 300' s c/l American River Drive	CEH
468	10,777 w/s University Ave. 500' s c/l American River Drive	CEH
469	10,778 e/s University Ave. 680' s c/l American River Drive	CFH
470	10,781 w/s University Ave. 350' n c/l Adler Cir. (north)	CEH
471	10,782 e/s University Ave. 160' n c/l Adler Cir. (north)	CEH
472	10,783 w/s University Ave. 20' s c/l Adler Cir. (north)	CEH
473	10,784 n/e corner University Avenue and Adler Circle (south)	CFH
474	10,785 w/s University Avenue 140' n c/l Santa Maria Way	CEH
475	10,786 s/e corner University Avenue and Santa maria Way	CFH
476	10,787 w/s University Avenue 220' s Santa Maria Way	CEH
477	10,796 w/s University Avenue at Breckenwood Way	CEH
478	10,797 e/s University Avenue 140' s c/l Breckenwood Way	CEH
479	10,798 w/s University Avenue 340' s c/l Breckenwood Way	CEH
480	10,799 s/s University Avenue 540' s c/l Breckenwood Way	CEH
481	10,800 n/s University Avenue 740' s c/l Breckenwood Way	CEH
482	10,774 e/s University Avenue 160' s c/l American River Drive	CEH

SERVICE NO. 379

170' EAST OF HOWE AVENUE 250' NORTH OF FAIR OAKS BOULEVARD

Number	Lamp Number	Conversion Symbol
483	8,328 n/s University Avenue 130' s c/l Fair Oaks Blvd.	CEH
484	8,329 s/e corner of University Avenue and Scripps Drive	CFH
485	8,330 w/s Scripps Drive 240' s c/l University Avenue	CEH
486	8,331 e/s Scripps Drive 200' s c/l Fullerton Court	CEH
487	8,332 s/s Fullerton Court 140' e c/l Scripps Drive	CEH
488	8,333 End of Fullerton Court	CEH
489	8,334 n/s University Avenue 340' e c/l Howe Avenue	CEH
490	8,335 s/s University Avenue 150' e c/l Howe Avenue	CEH

LOCATION NO. 6

COLLEGE GREEN AREA

S E R V I C E N O . 4 0 0

Number	Lamp Number	Conversion Symbol
491	8,668 s/w corner Glenville Circle & La Riviera Drive	CFGH
492	8,669 e/s La Riviera Drive 180' n c/l Glenville Circle	CEH
493	8,670 w/s La Riviera Drive 400' n c/l Glenville Circle	CEH
494	8,671 e/s La Riviera Drive 190' s c/l Glenville Circle	CEH
495	8,672 s/w corner Waterglen Circle & La Riviera Drive	CFH
496	8,674 e/s La Riviera Drive 125' n c/l Glenville Circle	CEH
497	8,675 n/s La Riviera Drive 300' e c/l Glenville Circle	CEH
498	8,676 s/s La Riviera Drive 450' e c/l Glenville Circle	CEH
499	10,347 n/s La Riviera Drive 105' w c/l of Watt Avenue	CEH
500	10,348 s/s La Riviera Drive 210' w c/l of Watt Avenue	CEH
501	10,349 n/s La Riviera Drive 380' w c/l of Watt Avenue	CEH
502	9,448 s/s La Riviera Drive 230' w c/l of Moorbrook Way	CEH
503	9,449 w/s La Riviera Drive 400' W c/l of Moorbrook Way	CEH
504	9,450 s/s La Riviera Drive 585' w c/l of Moorbrook Way	CEH
505	9,451 w/s La Riviera Drive 740' West of Moorbrook Way	CEH
506	9,453 n/w corner L Riviera Drive c/l Waterglen Circle	CEH
507	9,454 s/s La Riviera Drive 195' w c/l of Water Glen Circle	CEH

SERVICE NO. 389

NORTH SIDE OF LA RIVIERA AT OCCIDENTAL

Number	Lamp Number	Conversion Symbol
508	8,212 s/s La Riviera Drive 1,020' w c/l Occidental Drive	CEH
509	8,213 n/s La Riviera Drive 830' w c/l Occidental Drive	CEH
510	8,214 s/s la Riviera Drive 600' w c/l Occidental Drive	CEH
511	8,215 n/s La Riviera Drive 420' w c/l Occidental Drive	CEH
512	8,216 s/s La Riviera Drive 180' w c/l Occidental Drive	CEH
513	8,231 s/e corner 8,465 La Riviera Drive	CFH
514	8,232 s/s La Riviera Drive 390' e c/l Rio De Oro Way	CEH
515	8,233 n/s La Riviera Drive 160' e c/l Rio de oro Way	CEH
516	8,234 n/w corner 156 Grand Rio Circle	CEH
517	8,235 s/w corner La Riviera Drive	CFH

S E R V I C E N O . 5 1 7

518	10,841 n/s La Riviera 400' e c/l Mediterranean	CEH
519	10,842 s/s Riviera Drive 155' e c/l Mediterranean Way	CEH
520	10,843 n/s la Riviera Drive at Mediterranean Way	CEH
521	10,844 n/s La Riviera 220' w c/l Mediterranean Way	CEH
522	10,845 b/s la Riviera Drive 370' w c/l Mediterranean	CEH
523	10,846 n/s La Riviera Drive 570' w c/l Mediterranean	CEH
524	10,847 n/s La Riviera Drive 760' w c/l Mediterranean Way	CEH

S E R V I C E N O. 5 1 7 (Contined)

525	1,951 n/s La Riviera Drive 630' w c/1 Lido Circle	CEH
526	1,952 s/s la Riviera Drive 430' w c/1 Lido Circle	CEH
527	1,953 n/s la Riviera Drive 230' w c/1 Lido Circle	CEH
528	11,954 s/e corner la Riviera Drive and Lido Circle	CEH
529	11,955 n/s la Riviera Drive 150' e c/1 Lido Circle	CEH
530	11,956 s/s la Riviera Drive 350' e c/1 Lido Circle	CEH

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