



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Approve Specifications and Advertisement for Bids for Annual Tree Trimming Contract (Power Line Clearing) for Electric Utility Department (\$350,000) (EUD)

MEETING DATE: April 19, 2006

PREPARED BY Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications for a tree trimming contract for power line clearing and authorize advertisement for bids.

BACKGROUND INFORMATION: The Electric Utility Department has utilized a tree trimming contractor for its line clearing requirements since November 1988. The current contract with Trees, Inc. of Houston, Texas is due to expire on June 30, 2006 at the conclusion of the final extension year. Thus, it is necessary to advertise for bids for line clearing services after this date.

The Specifications for Tree Trimming have been updated. It has been prepared on a twelve month basis with the option to extend annually thereafter, at the City's sole discretion, for a maximum of two additional years. The specifications would provide the City with a three-person Backyard Crew and a two-person Street Crew, including vehicles, equipment and other expenses for ~~two~~ crews. This is a reduction of one Backyard Crew from current contracting levels. The proposed level of activity, however, is believed to be sufficient to maintain the 130+ circuit miles of overhead transmission and distribution lines clear of growth on a three-year cycle. The possible need for to add another Backyard Crew shall be evaluated prior to any annual extension.

Maintaining an adequate line clearance program is a critical element to electric system reliability. Due to the excellent results the Department has experienced with contracting out this service (i.e. significant reduction of outage time and overall cost effectiveness), it is recommended that the contracting program be continued. The proposed tree trimming program covers the period of July 1, 2006 to June 30, 2007 with the option for up to two additional one year extensions covering fiscal years 2007-08 and 2008-09.

With the approval of the City Council, the Tree Trimming contract shall be advertised and the bid opening date has been set for May 17, 2006 at 11:00AM.

FISCAL IMPACT: Decreased the number Tree Trimming Crews from three to two with the projected cost of \$350,000 chargeable to the Operating Budget. (The fiscal year 2005-06 tree clearance budget is \$548,201.)

APPROVED: _____

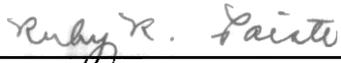

Blair King, City Manager

Approve Specifications and Advertisement for Bids for Annual Tree Trimming Contract (Power Line Clearing) for Electric Utility Department 13350.000 (EUD)

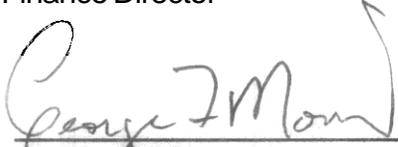
April 19, 2006

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FUNDING AVAILABLE: The amount of \$350,000 shall be included in the proposed budget for fiscal year 2006-07 under Account No. 160654 - Tree Trimming. Funding for extensions shall be allocated on a year-to-year basis.



Ruby Paiste, Interim Finance Director



George F. Morrow
Electric Utility Director

PREPARED BY Demy Bucaneg, Jr.. Sr. Power Engineer

GFM/DB/1st

cc City Attorney

CITY OF LODI

ELECTRIC UTILITY DEPARTMENT

SPECIFICATIONS

FOR

TREE TRIMMING

April, 2006

SET NO. _____

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**SECTION 1
NOTICE INVITING BIDS**

CITY OF LODI, CALIFORNIA

Sealed proposals will be received by the Purchasing Officer, Lodi City Hall, 300 West Pine Street, Lodi, CA 95240 (P.O. Box 3006, Lodi, CA 95241-1910) at or before

11:00 A.M., Wednesday, May 17, 2006

At that date and hour said sealed proposals will be publicly opened and read in the Public Works Conference Room, City Hall, 221 West Pine Street, Lodi, California. Bidders or their authorized representative are invited to be present.

The work consists of tree trimming for power line clearing in accordance with these specifications. The work area can be any area within city limits at the direction of the Electric Utility Director. The contract and contract price shall be in effect from July 1, 2006 through June 30, 2007, unless otherwise terminated. This agreement may be renewed at City's option on a year-to-year basis for a maximum of two (2) additional years. Prices shall be mutually agreed upon prior to such renewal of extension.

The Contractor shall begin work within ten (10) working days after date of Contract award.

In accordance with the provisions of Section 1770 to 1778 of the Labor Code of the State of California, the City of Lodi has ascertained that the general rate of per diem wages and wage rated for holidays and overtime applicable to the locality in which the work is to be done are as set forth in Resolution No. 4222 of the City of Lodi, copies of which are on file in the office of the City Clerk.

The Contractor shall make travel and subsistence payment to each worker needed to execute the work, as such travel and subsistence payment are defined in the applicable collective bargaining agreements in accordance with Section 1773.8 of the Labor Code.

If a craft or classification used on the project is not shown on the wage determination, the Contractor may be required to pay the wage rate of that craft or classification most closely related to it, as shown in the general determinations.

SECTION 2
INFORMATION TO BIDDERS

The City of Lodi hereby notifies all bidders that it will affirmatively insure that, in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex or national origin in consideration for an award.

For any moneys earned by the Contractor and withheld by the City of Lodi to ensure the performance of the Contract, the Contractor may, at Contractor's request and expense, substitute securities equivalent to the amount withheld in the form and manner and subject to the conditions provided in Section 22300 of the Public Contract Code of the State of California.

The Contractor may be required to submit copies of payroll records.

The contract documents are available at the office of the Electric Utility Director, 1331 So. Ham Lane, Lodi, CA 95242, telephone (209) 333-6762.

No bid will be considered unless it is submitted on a proposal form furnished by the City of Lodi.

The prime contractor on this project shall possess a valid State of California Class C-61 or approved equal contractor's license.

The City of Lodi reserves the right to reject any or all bids, to waive any informality in any bid, to accept other than the lowest bid, or not to award the bid.

Reference is hereby made to said specifications for further details, which specifications and this notice shall be considered part of any contract made pursuant thereto.

CITY OF LODI
Joel E. Harris
Purchasing Officer

2.100 BID OPENING

- A. The Purchasing Officer will receive sealed bids at City Hall Annex, 300 West Pine Street, Lodi, California, 95240 (P.O. Box 3006, Lodi, California 95241-1910) until

11:00 A.M., Wednesday, May 17, 2006

At that time, in the Public Works Conference Room, City Hall, 221 West Pine Street, Lodi, California, bids will be publicly opened and read. Bidders or their authorized representatives are invited to be present.

- B. The proposal shall be submitted as directed in the "Notice Inviting Bids" under sealed cover, plainly marked

Proposal – Tree Trimming
Bid Opening – **May 17, 2006**

Proposals which are not properly marked may be disregarded. Only proposals actually received by the Purchasing Officer by the time set for the bid opening will be accepted.

2.200 EXAMINATION OF CONTRACT DOCUMENT AND SITE OF WORK

The Bidder is required to examine carefully the site, Information to Bidders, Bid Proposal, Contract, General Provisions and Special Provisions, and the plans for the work contemplated, and it will be assumed that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality and quantities of work to be performed and materials to be furnished and as to the requirements of the General Provisions, the Special Provisions of the Contract. It is mutually agreed that submission of a bid proposal shall be considered prima facie evidence that the bidder has made such examination.

2.300 REGISTRATION OF CONTRACTORS

Before submitting bids, contractors shall be licensed in California in accordance with the provisions of Chapter 9 of Division III of the Business and Professions Code to perform work as specified in the Specifications.

2.400 PROPOSAL FORM

Prospective bidders are furnished with one proposal form included in the specifications.

- A. The proposal must be signed with the full name and address of the bidder, by an authorized representative of the company.
- B. The purchaser reserves the right to accept other than the lowest bid or to reject any or all bids.

2.500 REJECTION OF PROPOSALS

Bids may be rejected if they show any alterations of proposal form, additions not called for, or alternative bids not properly documented. Bids proposing equipment with which the City has no prior in-service experience may be rejected. Erasures or irregularities of any kind may also be cause for rejection.

2.600 BIDDERS GUARANTEE

All bids shall be presented under sealed cover and shall be accompanied by cash, cashier's check, certified check, or bidder's bond, made payable to the City of Lodi, for an amount equal to 10% of the submitted bid amount, and no bid shall be considered unless such cash, cashier's check, certified check or bidder's bond is enclosed therewith.

All bidder's guarantees will be returned to the respective bidders after the contract has been awarded, except for those bid guarantees of bidders who may be given further consideration if the low bidder does not elect to execute the contract. After the award, if the Contractor awarded the bid does not execute the contract, the bidder's guarantee will be forfeited. All bidder guarantees of unsuccessful bidders will be returned upon receiving the executed contract.

2.700 BIDDERS RESPONSIBILITY FOR SUBCONTRACTORS

Any subcontractor doing work in excess of one-half of one percent (1/2%) of the total contract price shall be designed on the form provided in accordance with section 4100, et. seq., of the Government Code.

Bidder shall be fully responsible for all work of subcontractors, and shall be liable for any failure or omissions to comply with the specifications for this equipment.

2.800 AWARD OF CONTRACT

- A. The award of the contract, if it be awarded, will be to the lowest responsible bidder whose bid proposal complies with all the requirements described herein.

- B. In evaluating the bids and determining lowest total to the City, the City will consider the Sales Tax Credit in the amount of one percent (1%) of the purchase price of the equipment, which is rebated to the City of Lodi when such purchase is consummated at the retailer's place of business and such business:
 - 1. Is located within the City of Lodi;
 - 2. Is licensed by the California State Board of Equalization to collect sales tax at the local place of business;
 - 3. Maintains a valid City of Lodi Business License.

SECTION 2
INFORMATION TO BIDDERS

- C. Where alternative bids are received, the City Council reserves the right to select the bid most advantageous to the City. The award, if made, will be made within thirty days after opening of the bids.
- D. In case of tie bids, consideration will given to bids as described in "Award of Bid", paragraph B, above. If that section does not apply to resolution of the tie, the tie will be broken by a coin toss, conducted by the City Purchasing Officer. Tie bidders will be notified and may be present.

2.900 EXECUTION OF CONTRACT

The contract shall be signed by the successful Bidder and returned, together with the contract bond, within ten (10) working days, after the Bidder has received notice that the contract has been awarded. No proposal shall be considered binding upon the City until the execution of the contract.

Failure to execute a contract and file an acceptable bond as provided herein within ten (10) working days, after the Bidder has received notice that the contract has been awarded shall be just cause for the annulment of the award and the forfeiture of the bidder's deposit.

2.1000 CONTRACT BONDS

The Contractor shall furnish one good and sufficient faithful performance bond in the amount equal to 100% of the contract amount.

This bond will be required at the time the signed contract is returned to the City.

2.1100 NOTIFICATION OF SURETY COMPANIES

The surety companies shall familiarize themselves with all the provisions and conditions of the contract. It is understood and agreed that they waive the right of special notification of any modifications or alterations, omissions or reductions, extra or additional work, extensions of time or any other act or acts by the City of Lodi or its authorized agents under the terms of the contract; and failure to so notify the surety companies of such changes shall in no way relieve the surety or sureties of their obligations under this contract.

2.1200 INSURANCE CERTIFICATE

The Contractor shall furnish a certificate of insurance to the City of Lodi in accordance with Section 5.413 "Public Liability and Property Damage Insurance" and Section 5.414 "Compensation Insurance" of the General Provisions at the time the signed contract is returned to the City.

2.1300 WORKER'S COMPENSATION INSURANCE

The Contractor shall carry full Worker's Compensation Insurance coverage for all persons employed in carrying out the work, including subcontractor's employees, under this contract in accordance with the "Worker's Compensation and Insurance Act", Division IV of the Labor Code of the State of California and any acts amendatory thereof.

2.1400 BID EVALUATION

The lowest responsible bidder will be determined, as follows:

- A. Contract price for bid evaluation will be the sum of one times the hourly rate for a “Back Yard Crew”, and one times the hourly rate for a “Street Crew”. The bid will be awarded to one contractor only based on the above summation and the Contractor meeting all other terms and conditions of these specifications.

Note, the crew bid price to be all inclusive, i.e., labor, overheads, supervision, equipment, disposal costs, fees, licenses, etc., all to be included;

And Consideration Given To

- B. The ability, capacity, skill, character, integrity, reputation, experience and efficiency of the bidder;

And

- C. The quality and condition of the equipment and tools to be provided by the bidder.

2.1500 REFERENCES

The bidder shall submit with his/her bid at least three (3) references indicating contact people in other electric utilities for whom the bidder has performed line clearing work within the past two (2) years.

2.1600 EQUIPMENT REVIEW

The City reserves the right to review/inspect the equipment the bidder intends to use during the execution of this contract as well as the contractor’s equipment fleet in general.

2.1700 CONTRACT EXTENSION

The contract and contract price shall be in effect from July 1, 2006 through June 30, 2007. This agreement may be renewed at City’s option on a year-to-year basis for a maximum of two (2) additional years. Prices shall be mutually agreed upon prior to such renewal or extensions. The maximum escalation/de-escalation in contract price beginning with and in effect through a fiscal year period shall be the percentage increase/decrease in salary obtained by the electric unit represented by IBEW in the preceding fiscal year.

2.1800 DRIVERS LICENSE

All crewmembers shall have a valid State of California driver’s license permitting operation of the vehicles used in conjunction with this tree trimming contract.

2.1900 CLOTHING

For crew safety and personal appearance to the public, crewmembers shall wear clothing and footwear appropriate for the work being performed. There shall be no sneakers or other soft footwear worn on the job site. Clothing shall be clean and free of tears and holes.

CITY OF LODI, CALIFORNIA

TO: The Lodi City Council
Lodi City Hall Annex
212 West Pine Street
P.O. Box 3006
Lodi CA 95241-1910

The undersigned, as bidder, declares to have carefully examined the Notice Inviting Bids, Information to Bidders and Specifications filed for furnishing and delivering this equipment, and agrees to be fully informed regarding all of the conditions affecting the equipment to be furnished for the completion of the order, and that the information was secured by personal investigation and research and not from any estimate of a City engineer; and that no claim will be made against the City by reason of estimates, test or representations of any officer or agent of the City; and proposes and agrees if the proposal be accepted, to furnish the City of Lodi the necessary equipment specified in the bid, in the manner and time therein set forth. It has been noted the City of Lodi reserves the right to accept all or part of this bid, to reject any or all bids, or to accept other than the lowest bid.

The item listed below is to be in accordance with the City of Lodi specifications attached hereto. The bidder will submit a detailed list of any and all exceptions taken to these specifications by either listing those exceptions in the space provided on the said specifications attached or, when such space is inadequate, by listing those exceptions on a separate paper by item in the same order of the City's specifications. In the absence of such a list, it will be understood that the bidder's proposal is based on strict conformance to the specifications in all respects. If exceptions are taken, they will be cleared before the award is made.

If awarded the contract, the undersigned agrees to furnish and deliver the equipment described in the specifications and to take in full payment therefor the following unit and total prices, to-wit:

**SECTION 3
BID PROPOSAL**

The undersigned declares that the specifications have been carefully examined for Tree Trimming.
The undersigned further agrees to be responsible for the work of its subcontractors.

UNIT	DESCRIPTION	PRICE PER HOUR
1	Backyard Crew *	\$
1	Street Crew *	\$

* Including labor, overheads, supervision, equipment, disposal costs, fees, licenses, etc.

The following bid items will be used to compensate for emergency after-hours work and to evaluate "Downtime".

UNIT	DESCRIPTION	PRICE PER HOUR STRAIGHT TIME
1	Helper/Groundman	\$ _____ / hr.
1	Tree Trimmer	\$ _____ / hr.
1	Crew Leader	\$ _____ / hr.
1	Chipper	\$ _____ / hr.
1	Dump Truck	\$ _____ / hr.
1	Aerial boom with dump truck	\$ _____ / hr.
	Percent to be added to above labor rates for overhead	_____ %
	Percent to be added to above labor rates for overtime including overhead	_____ %

The undersigned agrees that if this Bid Proposal is accepted, at the time of the signing of the contract, one good and sufficient performance bond will be furnished in the amount equal to \$20,000.

SECTION 3
BID PROPOSAL

All bidder's guarantees will be returned to the respective bidders after the contract has been awarded, except for those bid guarantees of bidders who may be given further consideration if the low bidder does not elect to execute the contract. After the award, if the Contractor awarded the bid does not execute the contract, the bidder's guarantee will be forfeited. All bidder guarantees of unsuccessful bidders will be returned upon receiving the executed contract. Accompanying this Bid Proposal is _____ (insert the words "Cash, Certified Check, Cashier's Check or Bidder's Bond", as the case may be) payable to the City of Lodi in the amount of \$2,500 which is to be deposited with the City of Lodi as required.

The undersigned further agrees that in case of default in executing the required contract, together with the necessary bonds, within ten (10) working days after receiving the contract for signature, the proceeds of the deposit accompanying the bid shall become the property of the City of Lodi, California, and this Bid Proposal and the acceptance thereof may be considered null and void. However, if the undersigned shall execute the contract and furnish the bond required within the time aforesaid, the deposit shall be returned forthwith.

It is understood that no verbal agreement or conversation with any officer, agent or employee of the City, either before or after the execution of the Contract, shall affect or modify any of the terms or obligations of this Bid Proposal.

The undersigned declares that the only person or persons interested in this proposal as principal or principals is or are the undersigned, and that no person other than the undersigned has any interest in this Bid Proposal or in the contract proposed to be taken; that this proposal is made without any connection with any other person or persons making a bid or proposal for the same purpose; that the proposal is in all respects fair and in good faith and without collusion or fraud; that no City Officer, either elected or appointed, and no City Employee is, shall be or become directly or indirectly interested as principal or principals in this Bid Proposal or in the contract proposed to be made, or in the supplies, work or business to which it relates or in any portions of the profits thereof.

**SECTION 3
BID PROPOSAL**

The following information is furnished relative to each subcontractor who will perform work or labor or render services to the undersigned in and about the construction of the project in an amount in excess of one-half of one percent (1/2%) of the total amount of this bid. The undersigned agrees that any portions of the work in excess of one-half of one percent (1/2%) of the total amount of this bid and for which no subcontractor is designed herein, will be performed by the undersigned.

Name of Subcontractor	Address	Description of Work
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The Undersigned is licensed in accordance with the laws of the State of California, License No. _____, Classification _____

Federal Contractor/Employer I.D. No. _____
Dated: _____, 19_____

NAME OF COMPANY _____
DATE _____
BY (Print Name) _____
ADDRESS _____
CITY, STATE, ZIP _____
PHONE NUMBER _____
AUTHORIZED SIGNATURE _____
TITLE _____

CITY OF LODI, CALIFORNIA

THIS CONTRACT made on _____ by and between the City of Lodi, State of California, herein referred to as the "City", and _____ herein referred to as the "Contractor".

WITNESSETH:

That the parties hereto have mutually covenanted and agreed, and by these presents do covenant and agree with each other, as follows:

The complete Contract consists of the following documents which are incorporated herein by this reference, to-wit:

Notice Inviting Bids	The 1999 Edition
Information to Bidders	Standard Specifications,
General Provisions	State of California
Special Provisions	Department of Transportation
Bid Proposal	Agency
Contract	Department of Transportation
Contract Bond	

All of the above documents, sometimes hereinafter referred to as the "Contract documents," are intended to cooperate so that any work called for in one and not mentioned in the other is to be executed the same as if mentioned in all said documents.

ARTICLE I - That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the City and under the condition expressed in the bond bearing even date with these present and hereunto annexed, and Contractor agrees with City, at Contractor's cost and expense, to furnish all labor, equipment and disposal necessary to perform and services (line clearing) in a good workmanlike manner and to the satisfaction of the City as shown and describe in the Contract Documents which are hereby made a part of the Contract.

ARTICLE II - The City hereby promises and agrees with the Contractor to employ, and does hereby employ, the Contractor to provide all services and to do the work according to the terms and conditions for the price herein, and hereby contracts to pay the same as set forth in Section 5.600, "Measurement, Acceptance and Payment," of the General Provisions, in the manner and upon the conditions above set forth; and the said parties for themselves, their heirs, executors, administrators, successors and assigns, do hereby agree to the full performance of the covenants herein contained.

ARTICLE III - And the Contractor agrees to receive and accept the following prices as full compensation for furnishing all the work contemplated and embraced in this agreement; also for all loss or damage arising out of the nature of the work aforesaid or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until it acceptance by the City, and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the Contract Documents and the requirements of the Electric Utility Director under them, to-wit:

The undersigned declares that the specifications have been carefully examined for Tree Trimming

The undersigned further agrees to be responsible for the work of its subcontractors.

UNIT	DESCRIPTION	PRICE PER HOUR
1	Backyard Crew *	\$ _____
1	Street Crew *	\$ _____

* Including labor, overheads, supervision, equipment, disposal costs, fees, licenses, etc.

The following bid items will be used to compensate for emergency after-hours work and to evaluate "Downtime".

UNIT	DESCRIPTION	PRICE PER HOUR STRAIGHT TIME
1	Helper/Groundsman	\$ _____/hr.
1	Tree Trimmer	\$ _____/ hr.
1	Crew Leader	\$ _____/ hr.
1	Chipper	\$ _____/ hr.
1	Dump Truck	\$ _____/ hr.
1	Aerial boom with dump truck	\$ _____/ hr.
	Percent to be added to above labor rates for overhead	_____ %
	Percent to be added to above labor rates for overtime including overhead	_____ %

ARTICLE IV - By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for workmen's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract.

ARTICLE V - It is further expressly agreed by and between the parties hereto that , should there be any conflict between the terms of this instrument and the Bid Proposal of the Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

ARTICLE VI - The Contractor agrees to commence work pursuant to this contract within (10) working days after contract award.

IN WITNESS WHEREOF, the parties hereto have set their hands the day, month and year appearing opposite their names.

CITY OF LODI, a Municipal Corporation

Blair King, City Manager

Date

ATTEST:

Susan J. Blackston, City Clerk

Date

APPROVED AS TO FORM:

D. Stephen Schwabauer, City Attorney

Date

CONTRACTOR

Name

Date

5.100 SCOPE OF WORK

5.101 WORK TO BE DONE

The work to be done consists of furnishing all labor, materials, methods and processes, implements, tools and machinery, except as otherwise specified, which are necessary and required to construct and complete the work designated in these specifications and to leave the grounds in a neat condition.

5.102 ALTERATIONS

By mutual consent in writing of the parties signatory to the contract, alterations or deviations, increases or decreases, and additions or omissions in the specifications may be made and the same shall in no way affect or make void the contract.

The City of Lodi reserves the right to increase or decrease the quantity of any item or portion of the work, or to omit portions of the work as may be deemed necessary or expedient by the Electric Utility Director.

5.103 DELETED

5.104 CLEANING UP

The Contractor shall not allow the site of the work to become littered with trash and waste material, but shall maintain the same in a neat and orderly condition throughout the construction period. The Electric Utility Director shall have the right to determine what is or is not waste material or rubbish and the place and manner of disposal.

The Contractor shall remove and dispose of all trees designated by the Electric Utility Director as obstructions to the proper completion of the work.

Upon completion and before making application for final acceptance of the work, the Contractor shall clean the street or road, borrow pits, and all ground occupied by Contractor in connection with the work of all rubbish, excess materials, temporary structures, and equipment; and all parts of the work shall be left in a neat and presentable condition, acceptable to the Electric Utility Director.

5.200 CONTROL OF WORK

5.201 AUTHORITY OF THE ELECTRIC UTILITY DIRECTOR

The Electric Utility Director shall decide any and all questions which may arise as to the quality or acceptability or materials furnished and work performed, and as to the manner of performance and rate of progress of the work; all questions which arise as to the interpretation of the plans and specifications; all questions as to the acceptable fulfillment of the contract on the part of the Contractor; and all questions as to claim and compensation.

The Electric Utility Director's decision shall be final. The Electric Utility Director shall have executive authority to enforce and make effective such decisions and orders as the Contractor fails to carry out promptly.

5.202 DELETED

5.203 DELETED

5.204 COORDINATION OF SPECIFICATIONS

The specifications including all supplementary documents are essential parts of the contract and a requirement occurring in one is as binding as though occurring in all. They are intended to be cooperative, to describe, and to provide for a complete work.

Special Provisions shall govern over General Provisions.

5.205 INTERPRETATION OF SPECIFICATIONS

Should it appear that the work to be done, or any matter relative thereto, is not sufficiently detailed or explained in the specifications, the Contractor shall apply to the Electric Utility Director for such further explanations as may be necessary, and shall conform to such explanation or interpretation as part of the contract so far as may be consistent with the intent of the original specifications. In the event of doubt or question relative to the true meaning of the contract documents, reference shall be made to the Electric Utility Director, whose decision thereon shall be final.

5.206 ORDER OF WORK

When required by the Special Provisions, the Contractor shall follow the sequence of operations as set forth therein.

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

5.207 SPECIFICATIONS ON JOB SITE

A complete, approved set of specifications and change orders shall be kept on the job site and available at all times. Non-availability shall be deemed a cause for temporary suspension of work.

5.208 SUPERINTENDENCE

Before starting work, the Contractor shall designate in writing an authorized representative who shall have the authority to represent and act for the Contractor, and shall be a certified Arborist.

Said authorized representative shall be present at the site of the work at all times while work is actually in progress on the contract. When work is not in progress and during periods when work is suspended, arrangements acceptable to the Electric Utility Director shall be made for any emergency work which may be required.

Whenever the Contractor of Contractor's authorized representative is not present on any particular part of the work where it may be desired to give direction, orders will be given by the Electric Utility Director, which shall be received and obeyed by the superintendent or supervisor who may have charge of the particular work in reference to which the orders are given.

Any order given by the Electric Utility Director not otherwise required by the specifications to be in writing, will, on request of the Contractor, be given or confirmed in writing.

5.209 DELETED

5.210 INSPECTION

The Electric Utility Director shall at all times have access to the work during its construction, and shall be furnished with every reasonable facility or ascertaining the workmanship is in accordance with the requirements and intentions of the specifications and the General Provisions. All work done and services furnished shall be subject to the Electric Utility Director's inspection.

Whenever the Contractor varies the period during which work is carried on each day, due notices shall be given to the Electric Utility Director so that proper inspection may be provided.

The inspection of the work shall not relieve the Contractor of any obligations to fulfill the contract as prescribed. Work not meeting such requirements shall be made good, and unsuitable work may be rejected, notwithstanding that such work have been previously inspected by the Electric Utility Director or that payment therefor has been included in a progress estimate.

5.211 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK

All work which is defective or deficient in any of the requirements of these specifications shall be remedied, or removed and replaced by the Contractor in an acceptable manner, and no compensation will be allowed for such correction.

Upon failure on the part of the Contractor to comply forthwith any order of the Electric Utility Director made under the provisions of this section, the Electric Utility Director shall have authority to cause defective work to be remedied, or removed and replaced, and unauthorized work to be removed and to deduct the costs thereof from any moneys due to become due to the Contractor.

5.212 FINAL INSPECTION

Whenever the work provided and contemplated by the Contract shall have been satisfactorily completed and the final cleaning up performed, and the Electric Utility Director notified in writing, the Electric Utility Director will make the final inspection.

5.300 DELETED

5.400 LEGAL RELATIONS AND RESPONSIBILITIES

5.401 LAWS TO BE OBSERVED

The Contractor shall keep him/herself fully informed of all existing and future State and National laws and all municipal ordinances and regulation of the City of Lodi which in any manner affect those engaged or employed in the work, or which in any way affect the conduct of the work, and of all such orders and decrees of bodies or tribunals having jurisdiction or authority over the same.

5.402 LABOR DISCRIMINATION

Attention is directed to Section 1735 of the Labor Code which reads as follows:

1735. No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, or sex of such persons, except as provided in Section 1420, and every Contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter.

5.403 PERMITS AND LICENSES

Except as otherwise provided, the Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work.

5.404 CONTRACTOR'S LICENSING LAWS

Attention is directed to the provisions of Chapter 9 of Division 3 of the Business and Professions Code concerning the licensing of contractors.

All bidders and contractors shall be licensed in accordance with the laws of the State of California and any bidder or contractor not so licensed is subject to the penalties imposed by such laws.

5.405 PATENTS

The Contractor shall assume all responsibilities arising from the use of patented materials, equipment, devices or processes used on or incorporated in the work.

5.406 SAFETY PROVISIONS

The Contractor shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety.

5.407 PUBLIC CONVENIENCE AND SAFETY

The Contractor shall so conduct the operation as to cause the least possible obstruction and inconvenience to public traffic. Unless other existing streets are stipulated in the Special Provisions to be used as detours, all traffic shall be permitted to pass through the work.

Residents along the road or street shall be provided passage as far as practicable. Convenient access to driveways, houses and buildings along the road or street shall be maintained and temporary crossing shall be provided and maintained to good condition. Not more than one cross or intersecting street or road shall be closed at any one time without the approval of the City Engineer.

The Contractor shall furnish, erect and maintain such fences, barriers, lights, signs and flag persons as are necessary to give adequate warning to the public at all times that the road or street is obstructed and of any dangerous conditions to be encountered as a result thereof, and shall also erect and maintain such warning and directional signs as may be furnished by the City.

Signs, lights, flags and other warning and safety devices shall conform to the requirements set forth in the current "Manual of Warning Signs, Lights and Devices for use in Performance of Work upon Highways,"

issued by the State of California Department of Transportation. Copies of this manual are on file with the City of Lodi Public Works Department.

No material or equipment shall be stored where it will interfere with the free and safe passage of public traffic, and at the end of each day's work and at other times when operations are suspended for any reason, the Contractor shall remove all equipment and other obstructions from that portion of the roadway open for use by public traffic.

Full compensation for doing the above-mentioned work shall be included in the price paid for the various contract items of work, and no additional compensation will be allowed therefor.

5.408 PRESERVATION OF PROPERTY

Due care shall be exercised to avoid injury to existing improvements or facilities, utility facilities and adjacent property, and trees, shrubs and other plants that are not to be trimmed and / or removed.

Trees, shrubs and other plants that are not to be trimmed or removed, and pole lines, fences, signs, markers and monuments, buildings and structures, and any other above ground improvements or facilities and all underground facilities shown on the plans or brought to the Contractor's attention during the contract, within or adjacent to the highway, shall be protected from injury or damage; and if ordered by the Electric Utility Director, the Contractor shall provide and install suitable safeguards, approved by the Electric Utility Director, to protect such objects from injury or damage. Such objects injured or damaged by reason of the Contractor's operations shall be replaced or restored to a condition as good as when the Contractor entered upon the work, or as good as required by the specifications accompanying the contract. The Electric Utility Director may make or cause to be made such temporary repairs as are necessary to restore to service any damaged facility. The cost of such repairs shall be borne by the Contractor under the contract.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in protecting or repairing property as specified in this section, shall be considered as included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefor.

5.409 RESPONSIBILITY FOR DAMAGE

The City of Lodi, the City Council, all officers and employees or agent shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof; or for any material or equipment used in performing the work; or for injury or damage to any person or persons, either work personnel or the public; for damage to adjoining property from any cause whatsoever during the progress of the work or any time before final acceptance with the exception of those injuries or damages arising out of the active negligence of the City of Lodi or its agents, officers or employees.

The Contractor shall indemnify and hold harmless the City of Lodi, the City Council, all officers and employees or agent from any suits, claims or actions brought by any person or persons for or on account of any injuries or damages sustained or arising in the construction of the work or in consequence thereof. The City Council may retain as much of the money due the Contractor as shall be considered necessary until disposition has been made of such suits or claims for damages as aforesaid.

5.410 CONTRACTOR'S RESPONSIBILITY FOR WORK

Except as provided above, until the formal acceptance of the work by the City Council, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements from any other cause, whether arising from the execution or from the non-execution of the work.

The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expenses thereof, except such injuries or damages occasioned by acts of the Federal Government or the public enemy.

5.411 NO PERSONAL LIABILITY

Neither the City Council, the Electric Utility Director, nor any other officer or authorized assistant or agent or employee shall be personally responsible for any liability arising under the contract.

5.412 RESPONSIBILITY OF CITY

The City of Lodi shall not be held responsible for the care or protection of any material or parts of the work prior to final acceptance, except as expressly provided in these specifications.

5.413 INSURANCE REQUIREMENTS FOR CONTRACTOR

The Contractor shall take out and maintain during the life of this contract, insurance coverage as listed below. These insurance policies shall protect the Contractor and any subcontractor performing work covered by this contract from claims for damages for personal injury, including accidental death, as well as from claims for property damages, which may arise from Contractor's operations under this contract, whether such operations be by Contractor or by any subcontractor or by anyone directly or indirectly employed by either of them, and the amount of such insurance shall be as follows:

COMPREHENSIVE GENERAL LIABILITY

\$1,000,000 Bodily Injury - Ea. Occurrence/Aggregate
\$1,000,000 Property Damage - Ea. Occurrence/Aggregate

or

\$1,000,000 Combined Single Limits

COMPREHENSIVE AUTOMOBILE LIABILITY

\$1,000,000 Bodily Injury - Ea. Person
\$1,000,000 Bodily Injury - Ea. Occurrence
\$1,000,000 Property Damage - Ea. Occurrence

or

\$1,000,000 Combined Single Limits

NOTE: Contractor agrees and stipulates that any insurance coverage provided to the City of Lodi shall provide for a claims period following termination of coverage which is at least consistent with the claims period or statutes of limitations found in the California Tort Claims Act (California Government Code Section 810 et seq.).

A copy of the certificate of insurance with the following endorsements shall be furnished to the City:

(a) Additional Named Insured Endorsement

Such insurance as is afforded by this policy shall also apply to the City of Lodi, its elected and appointed Boards, Commissions, Officers, Agents and Employees as additional named Insureds insofar as work performed by the insured under written contract with the City of Lodi.

(b) Primary Insurance Endorsement

Such insurance as is afforded by the endorsement for the Additional Insureds shall apply as primary insurance. Any other insurance maintained by the City of Lodi or its officers and employees shall be excess only and not contributing with the insurance afforded by this endorsement. This language shall be furnished on an endorsement attached to the certificate of insurance.

(c) Severability of Interest Clause

The term "insured" is used severally and not collectively, but the inclusion herein of more than one insured shall not operate to increase the limit of the company's liability.

(d) Notice of Cancellation or Change in Coverage Endorsement

This policy may not be cancelled nor the coverage reduced by the company without 30 days prior written notice of such cancellation or reduction in coverage to the City Attorney, City of Lodi, P. O. Box 3006, Lodi, CA 95241-1910.

(e) Contractor agrees and stipulates that any insurance coverage provided to the City of Lodi shall provide for a claims period following termination of coverage which is at least consistent with the claims period or statutes of limitations found in the California Tort Claims Act (California Government Code Section 810 et seq.).

"Claims made" coverage requiring the insureds to give notice of any potential liability during a time period shorter than that found in the Tort Claims Act shall be unacceptable.

5.414 COMPENSATION INSURANCE

The Contractor shall take out and maintain during the life of this contract, Worker's Compensation Insurance for all of Contractor's employees employed at the site of the project and, if any work is sublet, Contractor shall require the subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous work under this contract at the site of the project is not protected under the Worker's Compensation Statute, the Contractor shall provide and shall cause

each subcontractor to provide insurance for the protection of said employees. This policy may not be cancelled nor the coverage reduced by the company without 30 days prior written notice of such cancellation or reduction in coverage to the City Attorney, City of Lodi, P. O. Box 3006, Lodi, CA 95241-1910.

5.415 GUARANTEE AND WARRANTY (MODIFIED)

If, in the opinion of the Electric Utility Director, defective work creates a dangerous condition or requires immediate correction or attention to prevent further loss to the City or to prevent interruption of operations of the City, the City will attempt to give the notice required. If the Contractor cannot be contacted or does not comply with the Electric Utility Director's request for correction within a reasonable time as determined by the Electric Utility Director, the City may, notwithstanding the provisions of this section, proceed to make such correction or provide such attention and the costs of such correction or attention shall be charged against the Contractor.

Such action by the City will not relieve the Contractor of the guarantees provided in this section or elsewhere in the contract.

This section does not in any way limit the guarantee on any items for which longer guarantee is specified nor on any items for which a manufacturer gives a guarantee for a longer period, not does it limit other remedies of the City in respect to latent defects, fraud or implied warranties.

5.416 COOPERATION

Should construction be underway by other agencies or by other contractors within or adjacent to the limits for the work specified, or should work of any other nature be underway by other forces within or adjacent to said limits, the Contractor shall schedule and coordinate the work with the other contractors and agencies so there is the least amount of conflict during all phases of construction. The Contractor is also responsible for making all necessary agreements with other contractors as required during construction.

5.500 PROSECUTION AND PROGRESS

5.501 SUBCONTRACTING

The Contractor shall give personal attention to the fulfillment of the contract and shall keep the work under control.

Subcontractor will not be recognized as such and all persons engaged in the work of construction will be considered as employees of the Contractor, and their work shall be subject to the provisions of the contract and specifications.

Where a portion of the work subcontracted by the Contractor is not being prosecuted in a manner satisfactory to the Electric Utility Director, the subcontractor shall be removed immediately on the requisition of the Electric Utility Director and shall not again be employed on the work.

5.502 ASSIGNMENT

The performance of the contract may not be assigned, except upon written consent of the City. Consent will not be given to any proposed assignment which would relieve the original Contractor or Contractor's surety of their responsibilities under the contract, nor will the City consent to any assignment of a part of the work under the contract.

5.503 (DELETED)

5.504 (DELETED)

5.505 CHARACTER OF WORK PERSONNEL

If any subcontractor or person employed by the Contractor fails or refuses to carry out the directions of the Electric Utility Director or appears to the Electric Utility Director to be incompetent or to act in a disorderly or improper manner, that person shall be discharged immediately on the requisition of the Electric Utility Director, and such person shall not again be employed on the work.

5.506 TEMPORARY SUSPENSION OF WORK

The Electric Utility Director shall have the authority to suspend the work wholly or in part, for such period as Electric Utility Director may deem necessary, due to unsuitable weather or to such other conditions as are considered unfavorable for the suitable prosecution of the work, or for such time as the Electric Utility Director may deem necessary, due to the failure on the part of the Contractor to carry out orders given, or to perform any provisions of the contract. The Contractor shall immediately obey such order of the Electric Utility Director and shall not resume the work until ordered in writing by the Electric Utility Director.

In the event that suspension of work is ordered as provided above, and should such suspension be ordered by reason of the failure of the Contractor to carry out orders or to perform any provision of the contract; or by reason of weather conditions being unsuitable for performing any item or items of work which, in the sole opinion of the Electric Utility Director could have been performed prior to the occurrence of such unsuitable weather conditions had the Contractor diligently prosecuted the work when weather conditions were suitable; the Contractor, at Contractor's expense, shall do all the work necessary to provide a safe, smooth and unobstructed passageway through construction for use by public traffic during the period of such suspension as provided in Section 7-1.08, "Public Convenience," and 7-1.09, "Public Safety," of the Standard Specifications, and as provided in the Contract Specifications. In the event that the Contractor fails to perform the work above specified, the City may perform such work and the cost thereof will be deducted from moneys due or to become due the Contractor.

5.507 (DELETED)

5.508 TERMINATION OF CONTRACT

Failure to prosecute the work diligently is grounds for termination of the Contractor's control over the work by the City of Lodi as provided in Section 14394 of the Government code of the State of California.

5.509 RIGHT-OF WAY

The necessary rights-of-way and easements for the work will be provided by the City of Lodi. The Contractor shall make arrangements and pay all expenses for additional area required by Contractor outside of the limits of right-of-way, unless otherwise provided in the Special Provisions.

5.600 MEASUREMENT, ACCEPTANCE AND PAYMENT

5.601 PAYMENT

The City of Lodi shall pay the Contractor monthly upon presentation of invoice delineating all work performed the previous month. Payment for work performed the last month of this contract will be made per Section 5.603 and 5.606.

5.602 SUBSTITUTION OF SECURITIES FOR WITHHELD AMOUNT

Pursuant to Section 22300 of the Public Contract Code of the State of California, securities may be substituted for any moneys withheld by a public agency to ensure performance under a contract. At the request and expense of the Contractor, securities equivalent to the amount withheld shall be deposited with the public agency, or with a state or federally chartered bank as the escrow agent, who shall pay such moneys to the Contractor upon satisfactory completion of the contract.

5.603 FINAL ACCEPTANCE OF THE WORK

The Contractor will notify the Electric Utility Director in writing of the completion. The Electric Utility Director will check as to the actual completion, and when satisfied will recommend acceptance to the City Council. The date of completion will be the date of acceptance of the work by the City Council.

5.604 (DELETED)

5.605 CLAIMS FOR DAMAGES

If the Contractor shall claim compensation for any damage sustained by reason of the acts of the City or its agents, Contractor shall, within five days after sustaining of such damage make to the Electric Utility Director a written statement of the damage sustained. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Electric Utility Director an itemized statement of the details and amount of such damage, and unless such statement shall be made as thus required, claims for compensation shall be forfeited and invalidated and Contractor shall not be entitled to consideration of payment on account of any such damage.

5.606 FINAL PAYMENT

The Electric Utility Director shall, after the satisfactory completion of the contract, make a final estimate of the amount of work done thereunder, and the value of such work, and the City of Lodi shall pay the entire sum so found to be due after deducting therefrom all previous payments and all amounts to be kept and all amounts to be retained under the provisions of the contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment. The final payment shall not be due and payable until the expiration of 30 days after filing of notice of completion provided no liens have been filed.

It is mutually agreed between the parties to the contract that any payments made under the contract, except the final payment, shall not be conclusive evidence of the performance of the contract, either wholly or in part, against any claim of the City of Lodi, and no payment shall be construed to be an acceptance of any defective work or improper materials.

And the Contractor further agrees that the payment of the final amount due under the contract, and the adjustment and payment for any work done in accordance with any alterations of the same, shall release

the City of Lodi, the City Council, and all officers and employees from any and all claims or liability on account of work performed under the contract of any alteration thereof.

5.700 STANDARD SPECIFICATIONS

The work embraced herein shall be done in accordance with the appropriate provisions of construction details of the specifications entitled, "State of California, Business and Transportation Agency, Department of Transportation, Standard Specifications, July 1999," insofar as the same may apply, which specifications are hereinafter referred to as the Standard Specifications and in accordance with the following Special Provisions.

Whenever in the contract documents or the Standard Specifications the term "State" is used, it shall be understood to mean and refer to the City of Lodi.

Other items appearing in the Standard Specifications, the General Provisions, and the Special Provisions, shall have the intent and meaning specified in Section 1, Definition of Terms of the Standard Specifications.

6.01 DESCRIPTION OF WORK

The work consists of line clearing (tree trimming) for subtransmission, distribution and secondary circuits including overhead services within city limits at the direction of the Electric Utility Director. Distribution circuits shall be cleared a minimum of six (6) feet. This agreement may be renewed at City's option on a year-to-year basis for a maximum of three (3) additional years. Prices shall be mutually agreed upon to such renewal or extension (see Section 2.1700 for detail).

6.02 CONTROL OF MATERIAL

- a) Wood Wood shall be cut into lengths easily manageable by one person in order to prevent injury when lifting.
- b) Residents Right to Wood The resident on whose property the tree(s) is growing shall have first choice over any wood collected from such trees.
- c) Disposal Contractor to dispose of all material generated as a result of work performed, provided conditions described in 6.02 (b) do not apply.

Disposal of material shall be at the "Central Valley Waste Services" transfer station located at Turner Road and Cluff Avenue and/or at any other recycle and/or composting site within a total driving time (to and from) not to exceed ½ hour as measured from city limits if outside the city and to the exclusive approval of the Electric Utility Director. All fees associated with disposal shall be borne by the Contractor. Weigh slip for each disposal shall be submitted to the Electric Utility Director.

6.03 GUARANTY AND WARRANTY

The Contractor shall guaranty and warrant all tools and equipment supplied as being fit for the purpose intended. The Contractor shall guaranty and warrant all work performed as having been accomplished in a proper and workmanlike manner.

The City is hereby authorized to perform additional trimming work if the Contractor fails to make or undertake with due diligence the aforesaid additional trimming work within (10) days after he is given written notice of such unsatisfactory work provided, however, that in case of emergency where, in the opinion of the Engineer of Work, providing a reasonable attempt has been made to notify the Contractor, delay would cause serious loss or damages, or a serious hazard to the public, the additional trimming may be performed or lights, signs, and barricades erected without prior notice to the Contractor, and the Contractor shall pay the entire cost thereof. At the completion of the work, the Faithful Performance Bond may be reduced at the discretion of the Lodi City Council to not less than ten (10) percent of the contract price to cover said guarantee.

6.04 COORDINATION OF WORK

The Contractor shall be responsible for coordinating all activity with the Electric Utility Director. Scheduled work shall be performed during normal working hours, 7:00 a.m. to 3:30 p.m., Monday through Friday. The Electric Utility Director shall have the authority to change the hours to work to meet the needs of the City. Work will be performed on an as-needed basis as determined by the Electric Utility Director.

6.05 EMERGENCY WORK

Emergency call-out work shall be coordinated between Contractor and Electric Utility Director on a verbal authorization basis. The Electric utility Director reserves the right to furnish such staff, equipment, tools and materials required as is deemed expedient, and the contractor shall have no claim for payment on the cost of such items. All emergency work shall be reported daily upon separate report sheets, furnished to the Electric Utility Director and signed by both parties. These reports shall thereafter be considered the true record of emergency work done. It is the responsibility of the Contractor to ensure that its personnel are available on a timely basis (e.g. within 30 minutes) for after hours emergency tree work. The Contractor shall provide a means to immediately contact its designated representative for after hours work.

6.06 TEMPORARY SUSPENSION

The Contractor shall have the authority to suspend the work wholly or in part, for such a period as he may deem necessary, due to unsuitable weather or to such other conditions as are considered unfavorable for the suitable prosecution of the work.

6.07 BEGINNING WORK

Contractor shall respond to work requests from the Electric Utility Director within five (5) days.

6.08 WORK CENTER

Contractor shall establish a work center in a centralized location of the work area as a base for daily operations.

6.09 PARKING

The City may, at its option, make available to Contractor arrangements for parking on City premises, in aid of performance of this contract. Contractor shall hold City harmless and shall indemnify City for any and all damages arising from or related to such parking arrangements.

6.10 CREWS AND EQUIPMENT

- a) "Backyard Crew" consisting of line clearing foreman, line clearing climber and groundman/helper equipped with chipper, dump truck and incidental power and hand tools.
- b) "Street Crew" consisting of line clearing foreman and line clearing climber equipped with chipper, insulated aerial boom with dump body and incidental power and hand tools.

The successful bidder shall be capable of furnishing one 'Backyard Crew' with all the necessary tools and equipment for twelve months as well as one 'Street Crew' with all necessary tools and equipment for twelve months. If requested by the Electric Utility Director in writing, additional tree clearance crews will be supplied by the Contractor during extension periods or upon a minimum of thirty (30) days written notice.

6.11 BILLING AND PAYMENT

The Contractor shall submit one invoice for payment to the Electric Utility Director for all work performed during the previous month. The invoice shall indicate the type of work completed, type of species of the tree(s), quantities, location(s), dates work accomplished, and crew hours, i.e., 'Backyard Crew' and/or 'Street Crew.' A weekly billing cycle, to be approved by the Electric Utility Director, may be acceptable.

Payment will be made after approval of the invoice by the Electric Utility Director and will be based on hours worked by either crew configuration times the respective bid prices per hour per crew. Such payment shall be all inclusive and no additional payment will be made for such items as supervision, disposal of material, disposal fees, other fees or licenses, etc. Computation of hours worked shall be computed to the nearest quarter (1/4) hour. Down time as a result of equipment failure will be subtracted from the above payment and be based on hourly rates quoted for both equipment and personnel involved.

6.12 TERMINATION OF CONTRACT

This contract can be terminated at any time by the Electric Utility Director at his sole discretion.

6.13 SAFETY

American National Standard ANSI 2133.1 standards for tree care operations - pruning, trimming, repairing, maintaining, and removing trees, and cutting brush - safety requirements is made a part of these Standard Tree Trimming Specifications.

6.14 GENERAL OBJECTIVES

Prune trees to accomplish the following: to select and develop permanent scaffold branches that are smaller in diameter than the trunk or branch to which they are attached, which have vertical spacing from 18 to 48 inches and radial orientation so as not to overlay on another; to eliminate diseased or damaged growth; to eliminate narrow V-shaped branch forks that lack strength; to reduce toppling and wind damaged by thinning out crowns; to maintain growth within space limitations; to maintain a natural appearance; to balance crown with roots (same instructions are in force when clearing electrical energized lines). Evergreen trees should be thinned out and shaped when necessary to prevent wind and storm damage. The primary pruning of deciduous trees should be done during the dormant season. Damaged trees, or those that constitute health or safety hazards, should be pruned at any time of the year as required. All pruning cuts should be made to lateral branches or to outside of branch collar with the trunk. Under no circumstance should "stubbing" ever be performed.

6.15 PRUNING CATEGORIES

- a) Thinning and shaping - all trees are to be pruned to follow the natural growth of the tree.
- b) Height reduction - prune top growth to reduce overall height of tree by approximately 20%, but no lower than 15 feet, except where necessary to maintain adequate clearance from energized lines. Does not include changing the scaffolding structure of the tree.

6.16 TREE PRUNING AND REMOVAL REQUIREMENTS

The instructions defined herein are the City's standards for clearing of lines and provide details and directions to the Contractor. The Contractor shall perform the following services in a professional workmanship like manner consistent with all appropriate rules of safety.

- a) Follow the shape suggested by the natural growth habits of each tree species.
- b) Cut the laterals to preserve the natural form of the tree, leaving the head open enough for the branching system to show and permitting dead material to be easily cleaned out and light to show through the head. Tree foliage shall not be reduced by more than 20%.
- c) Do not use spurs unless removing the tree.
- d) Crown reduction should be used to reduce the height or spread of a tree in conjunction with thinning cuts.
- e) All limbs, one inch in diameter or over, shall be removed using three cuts where there is a chance of the bark tearing at the crotch. Removing large limbs the undercut should be at least one-third of the diameter. Make the second one to three inches further from the crotch than the first. The final cut is made outside of branch collar. Cuts shall not be made so large that they will prevent normal sap flow.
- f) On trees known to be diseased, pruning tools as well as cut surfaces shall be disinfected with a ten percent (10%) chlorine bleach solution or sterilant after each cut and between trees where there is danger of transmitting the disease on tools.
- g) Pruning with hand pruners will be permitted. Small limbs, including suckers and water spouts, shall be cut close to the trunk or branch from which they arise.
- h) All cut branches three and one-half inches or larger in diameter shall be lowered by proper ropes to the ground. Any damage caused by dropped limbs shall be repaired promptly at the Contractor's expense and to the satisfaction of the Electric Utility Director.
- i) Pruning around high voltage distribution and transmission lines shall be done by a certified and qualified line clearance tree trimmer.
- j) Do not spray any cuts.
- k) All trees to be completely removed shall be cut to grade.
- l) Remove all loose bark hanging in crotches of all Eucalyptus trees.

6.17 PROPERTY OWNER NOTIFICATION

Property owners shall be notified a minimum of 24 hours prior to any trimming on their property. Door knob hangers may be used if contact cannot be made with the occupant of the property. Notification is not required for emergency call-out work.

6.18 CITY NOTIFICATION

The City of Lodi shall be notified 48 hours in advance in order to de-energize a line section.

The Contractor shall notify the System Operator daily of the work area for the day and shall obtain a no-test order on lines in the work area.

Each crew supervisor or crew leader shall report to the Electric Utility Superintendent at the beginning of each work day for specific assignments.

6.19 EMERGENCY WORK

Emergency call-out work shall be coordinated between the Contractor and the Electric Utility Director on a verbal authorization basis.

6.20 OVERTIME WORK

Authorization for overtime work shall be obtained from the Electric Utility Director prior to commencing any overtime work.

6.21 RECORD KEEPING

A complete record of all tree work shall be submitted daily to the Electric Utility Director. Line clearance records will include type of tree work performed, date, species, type of crew, tools required, hours, locations and any other information required by the Electric Utility Director. The Electric Utility Department will supply the Contractor with the record keeping forms.

6.22 QUALIFICATIONS

The following qualifications shall apply to line clearing Foremen, climbers and apprentice climbers. Line clearing Foreman shall have completed an approved apprenticeship in line clearing and have a minimum of one year experience as a foreman. Line clearing climber shall have completed an approved apprenticeship in line clearing 18 months. Apprentices shall be utilized as Groundman. Crew must be trained in CPR, First Aid and Aerial rescue. Written documentation shall be provided on each crew member for approval by the Electric Utility Director.