

**MOORPARK CITY COUNCIL  
AGENDA REPORT**

**TO:** Honorable City Council

**FROM:** Yugal K. Lall, City Engineer/Public Works Director  
Prepared by: Teddy Okoye, Assistant City Engineer

**DATE:** July 26, 2006 (CC Meeting of 08/02/06)

**SUBJECT:** Consider Approval of Consultant, Tetra Tech, Inc. to Provide Design Engineering Services for Raised Landscaped Median Project on Los Angeles Avenue from State Route 23 to Tierra Rejada Road; and a Resolution Amending Fiscal Year 2006/07 Budget to Appropriate Funds for Design



**BACKGROUND**

In 2002, City contacted Caltrans to inquire about the State's Context Sensitive Design Solutions (CSDS) that was to address local needs and concerns with regards to design and function of State Highways within local communities. Recently, Caltrans has developed Context Sensitive Design Guidelines that allow for construction of raised medians, landscaping, and other aesthetic treatments as a means of improving the aesthetics and controlling traffic on State Highways. On February 16, 2006, in response to a letter from the City, Caltrans expressed their intent to review City's proposed "Conceptual Design" to construct raised landscaped medians on Los Angeles Avenue.

**DISCUSSION**

On March 15, 2006, staff sent Requests for Proposals (RFPs) to seven professional engineering firms soliciting proposals for design services. The scope of work on the RFP for each phase of the design process is summarized below:

1. **Phase One – Conceptual Plan:** Development of the Conceptual Plans and "Architectural/Visual Rendering" of the improvements including all associated survey work, preparation of preliminary construction cost estimates, and coordination with Caltrans to determine the appropriate type of Project Report and Environmental Document for the project.

2. **Phase Two – Final Draft Plan:** Preparation of the Final Draft Plans, Specifications, and Estimates (PS&E), including legal descriptions for right-of-way acquisition, and the Environmental and Construction Documents.
3. **Phase Three – Final Design:** Preparation of the Final PS&E and Construction Documents necessary to construct the project.

Staff plans to seek City Council approval of phase-one (Conceptual Design) and subsequently obtain Caltrans concurrence, before proceeding with phase-two of this project.

### **CONSULTANT SELECTION**

Four responses to the RFP were received. The Proposals were evaluated by staff based on the criteria outlined in the RFP, Tetra Tech, Inc. is recommended to provide the design services for this project. Tetra Tech's "Proposal" is attached as Attachment 1.

### **FISCAL IMPACT**

Tetra Tech, Inc. submitted a Proposal in the amount of \$302,058 to complete the design work as outlined in Exhibit "D" of Attachment 1. A breakdown of the costs is summarized below:

Tasks	Cost (\$)
<u>Phase-1:</u> Conceptual Design	93,479
<u>Phase-2:</u>	-
Final Draft Design	140,412
Environmental Document (*)	-
<u>Phase-3:</u> Final Design	68,167
	<hr/>
	Sub-Total 302,058
Management & Administration of Design Contract (staff **)	80,000
	<hr/>
	Total 382,058

(\*) Note: The cost for environmental document preparation will be negotiated after the Conceptual Design is approved and the appropriate Environmental Document for the project is determined.

(\*\*) Already budgeted as part of City staff funding.

**Current FY 06/07 Budget**

The current Budget is summarized as follows:

Account Number	Current FY 06/07 Appropriations (\$)	Proposed Change (\$)	Revised FY 06/07 Budget (\$)
2501.8310.8047.9601	\$278,567.00	\$23,491.00	\$302,058.00

The Resolution is attached as Attachment 2.

**SCHEDULE**

The proposed schedule for the project is shown below.

<u>PHASE</u>	<u>COMPLETION DATE</u>
Phase-1: Conceptual Design	December-06
Phase-2: Final Draft Design & Env. Doc.	December-07
Phase-3: Final Design	May-08
Commence Construction	August-08

**STAFF RECOMMENDATION (ROLL CALL VOTE)**

1. Approve the selection of Tetra Tech, Inc. and authorize the City Manager to execute professional consultant agreement with Tetra Tech, Inc., subject to the final language approval by the City Manager and City Attorney and to proceed with the preparation of the Design Plans and Environmental Document.
2. Adopt Resolution 2006-\_\_\_\_\_

**Attachments:**

1. Tetra Tech Proposal
2. Resolution

# Attachment 1



**TETRA TECH, INC.**

July 19, 2006

Mr. Teddy Okoye  
Assistant City Engineer  
Public Works Department  
City of Moorpark  
799 Moorpark Avenue  
Moorpark, CA 93021

**Reference: Proposal to Provide Professional Engineering Services for the  
Los Angeles Avenue Raised Median and Landscaping Project**

Dear Mr. Okoye:

Tetra Tech, Inc. is pleased to submit our proposal to provide professional engineering services to the City of Moorpark for the design and preparation of plans, specifications, and construction cost estimates for the Los Angeles Avenue Raised Median and Landscaping Project.

**SCOPE OF SERVICES:**

Our Scope of Services for this additional work request is attached as Exhibit "A".

**SCHEDULE:**

Our Schedule to complete the scope of services is attached as Exhibit "B".

**FEE:**

We will complete the scope of work for the estimated amount of **three hundred two thousand fifty-eight dollars (\$302,058.00)** as estimated based on our 2006 Hourly Rates (Exhibit "C" ) and the enclosed Fee Proposal Table (Exhibit "D") that outlines the estimated hours per classification to complete each task.

Please acknowledge that this is your understanding by signing and dating this letter below and returning it to me, and Tetra Tech will proceed immediately with this work.

If you have any questions or need additional information, please do not hesitate to contact me at (949)727-7099.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kekoa Anderson', is written over a horizontal line.

Kekoa Anderson, P.E.  
Divisional Senior Manager

Approval and Notice to Proceed:

KA/tth  
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Attachments

\_\_\_\_\_  
Teddy Okoye – City of Moorpark      Date

c      Theresa Ahlgren – Tetra Tech, Inc.

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**TETRA TECH, INC.**

July 19, 2006

Mr. Teddy Okoye  
Assistant City Engineer  
Public Works Department  
City of Moorpark  
799 Moorpark Avenue  
Moorpark, CA 93021

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If you have any questions or need additional information, please do not hesitate to contact me at (949)727-7099.

Sincerely,

Kekoa Anderson, P.E.  
Divisional Senior Manager

Approval and Notice to Proceed:

KA/tth  
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Attachments

\_\_\_\_\_  
Teddy Okoye – City of Moorpark      Date

c      Theresa Ahlgren – Tetra Tech, Inc.

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## Exhibit "A" – SCOPE OF WORK

We propose to complete the scope of work outlined in the RFP dated March 15, 2006, and provide the following detailed tasks as requested to further define the methodology and various elements of work required to complete the Los Angeles Avenue Raised Median and Landscaping Project.

### Task 0-A: Administration/Coordination/ Meetings

This task includes project management and administration; meetings; quality assurance/quality control; scheduling; budgeting; progress reporting; and invoicing. Progress meetings will be held at monthly intervals or as needed between the City and the Tetra Tech Project Team. To supplement these meetings, we will maintain on-going communication with the City and Caltrans. The purpose of these meetings will be to review the project status to ensure that the contract objectives and milestones are being achieved. A detailed schedule will be developed, maintained, and updated for control of the project.

We will establish a Project Development Team (PDT), which will be comprised of the assigned Caltrans Project Manager and representatives of the City and Tetra Tech. This task includes 24 monthly PDT Meetings.

## PHASE 1 – CONCEPTUAL PLAN

### Task 1-A Research/Data Collection

Existing reports, studies, proposed and as-built plans, mapping, or other information will be obtained from the City and reviewed by the Tetra Tech Team. Data to be obtained and reviewed includes:

- Design information from the City for adjacent street improvement projects and from developers who may be planning or currently working on development projects in the vicinity.
- Traffic data (existing and forecasted traffic, level of service, capacity adequacy, operational analysis, etc.).
- Right-of-way and utility plans.
- Local planning (land use).

### Task 1-B Survey Services/Mapping/Base Sheets

We propose to develop base sheets using aerial topographic mapping, supplemented by field survey and field site visits, as-built plans, and other existing information that is available from previous studies and investigations in the area as a basis to begin our project study work.

Our subconsultant, Wagner Engineering, will perform the following scope of work:

- Field survey in conformance with the Professional Land Surveyors Act of the Business and Professions Code. Said survey will establish the centerline of Los Angeles Avenue, the existing improvements and roadway features, rights-of-way and adjoined lot lines (where said lines are coincident with the right-of-way).
- Field cross sections at 50-foot intervals, with additional field shots taken at grade breaks and proposed improvement tie-in points and all surface evidence of underground utilities in the project area.
- Monument tie notes for found monuments within the proposed limits of construction. Pursuant to state law, Corner Records will be filed in the office of the County Surveyor and a copy supplied to the City.



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Los Angeles Avenue Raised Median and Landscaping Project

**TETRA TECH, INC.**

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### Task 1-C Utility Impacts/Coordination

We will review existing utility information available from the City and contact utility owners to determine major facilities located in the project area. This information will be shown on the utility sheets and used to determine significant impacts to facilities and the cost estimates resulting from the impacts.

We will send copies of the preliminary plans to the utility owners, showing known utilities and requesting verification of existing facilities.

The request for information will also include proposed future improvements planned by the utility owners in the project area. Information received from the utility owners will be used to update the utility plan sheets and cost estimates for utility relocations/adjustments paid for by the City and required to construct the project. This scope of work includes the coordination and field location of potholed utilities, but it is assumed that each impacted utility owner will pothole their respective facilities. This scope of work does not include design and preparation of PS&E for any utility relocations required for the project.

### Task 1-D Right-of-Way Identification/ Impact

Existing right-of-way information, including parcel boundaries, will be obtained from record information at the City and County. Those areas where right-of-way is restricted will be identified.

Tetra Tech will identify the existing right-of-way, including property ownership, easements, assessor parcel numbers, and access control, to facilitate construction for the project. This information will be shown on the GAD and used to determine the preliminary right-of-way requirements that may be required to construct the project.

### Task 1-E Geometric Approval Drawings (GAD)

Tetra Tech will provide GAD showing both the existing conditions and proposed improvements. Proposed improvements will include landscaping and irrigation facilities. We will submit the GAD to the City and Caltrans for review and approval. We will determine the type of Caltrans report required (PSR, PSR/PR. etc...)

The City and other agencies will review the plans after the submittal and transmit review comments to Tetra Tech. A comments review meeting may be scheduled between the City and Caltrans, utility companies, and Tetra Tech to present and resolve review comments.

### Task 1-F Aesthetics

Tetra Tech will develop visual renderings showing aesthetic features of the proposed median upon completion, including color palettes, plant materials, and hardscape. Aesthetic features will be determined using guidelines associated with the City.

### Task 1-G Preliminary Construction Cost Estimates

We will develop preliminary cost estimates, with appropriate contingencies (typically 25% for the 30% plans), by summarizing: 1) design; 2) utility relocation/adjustment costs; and 3) construction engineering costs.

### Task 1-H Public Meetings

Tetra Tech will attend up to three (3) public meetings to present the proposed project.

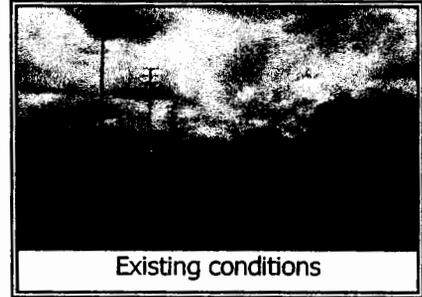


## PHASE 2 – FINAL DRAFT PLAN (65% SUBMITTAL)

### Task 2–A Traffic Report

The following is a detailed approach and tasks that will be performed by our traffic engineering staff to complete the analysis of traffic operations and prepare the traffic analysis report for the PSR/PR.

1. Obtain data defining existing conditions in the study area for key intersections and arterials, including information such as land use, number of lanes, intersection geometrics, traffic volumes, turning movement counts, accident data, type of traffic control, speed, and other traffic-related data. This collected data will be the basis for forming an “existing conditions” database. Tetra Tech will obtain traffic counts and City will provide traffic modeling. Existing and forecasted traffic volumes will be developed (post-processed) and coordinated with Caltrans using information from the City. Using the traffic information developed by Tetra Tech and approved by the City and Caltrans, the following intersections will be analyzed:



- Los Angeles at Miller Parkway
  - Los Angeles at Spring Street
  - Los Angeles at Moorpark Avenue
  - Los Angeles at Park Lane
  - Los Angeles at Leta Yaney Road
  - Los Angeles at Maureen Lane
  - Los Angeles at Tierra Rejada
2. Using traffic forecast information developed in Item 1, conduct level of service (LOS) analysis for the following three years: 1) Current Year; 2) Implementation or Design Year; and 3) Target (2030) or Horizon Year. LOS analysis will be conducted at the intersections listed in Item 1 above for peak hour conditions.
  3. Conduct LOS analysis for the proposed widening geometric, for each of the three years listed in Item 2 above.
  4. Queuing on local streets will be evaluated, especially queuing of all left-turn movements.
  5. Propose mitigation based on identified impacts for the proposed geometrics and provide a conceptual plan to illustrate the mitigation recommended. Prepare a summary matrix showing traffic scenarios, mitigation, and costs. Cost estimates of recommended mitigation will be included in the PSR/PR.
  6. Prepare a Traffic Analysis Report summarizing the overall project work, including complete documentation of analysis procedures and results. The report will meet Caltrans, FHWA (NEPA) and CEQA guidelines.

### Task 2–B Environmental Assessment and Mitigation

Tetra Tech will conduct initial investigations to assist the City and Caltrans in determining the appropriate level of Environmental Documentation to be prepared for the proposed project. This proposal does not include a scope of work for the CEQA or NEPA environmental document preparations since the type of environmental documents required are not known at this time.



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Los Angeles Avenue Raised Median and Landscaping Project

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## Draft PEAR

The PEAR will be prepared in conformance with Caltrans Guidelines and be supported by tabulated and mapped information, as necessary and pertinent to the information being presented. The PEAR will be used to:

- Provide a technical review of environmental issues that could affect project approval;
- Identify the type of Environmental Document required for the project;
- Identify Technical Studies and Reports to be completed for the project;
- Develop mitigation;
- Identify permits; and
- Identify whether additional alternatives need to be studied to avoid or minimize significant environmental impacts.

A range of environmental issues need to be examined in the process outlined above including: cultural/paleontological resources, biological resources, socioeconomic/community impacts, land use, noise, air quality, geology/sails, water quality/hydrology, hazards/hazardous materials, public services, transportation/traffic, utilities and service systems, and scenic/visual resources.

## Draft Final PEAR and Final PEAR

Tetra Tech will respond to comments received from the City and Caltrans on the Draft PEAR. We will incorporate information from reviewer comments as applicable into a draft Final PEAR. Tetra Tech will submit up to 10 copies of the draft Final PEAR to the City and Caltrans for review.

Tetra Tech will prepare one set of response to comments received from the City and Caltrans on the draft Final PEAR. It is assumed that a maximum of 10 copies of the Final PEAR will be reproduced for distribution.

## Task 2-C Draft Project Study Report/Project Report (PSR/PR)

*Note: This scope is based on the assumption that a combined PSR/PR will be used for the project.*

We will prepare a combined Project Study Report/Project Report (PSR/PR) using the GAD prepared in Task 1-A. The following are to be included in the PSR/PR as well:

1. Right-of-Way Identification/Impact from Task 1-D.
2. Traffic and Accident Data: Traffic and accident data will be obtained by Tetra Tech from the CHP and Caltrans to include current and year 2030, forecasts for the average annual daily traffic, peak hours, and peak hour directional split. Caltrans will provide the most recent three-year accident history.
3. Environmental Assessments and Documentation from Task 2-C.
4. Draft and Final Fact Sheets: We will prepare draft and final Fact Sheets for deviations from Caltrans' Mandatory and Advisory Standards for the proposed improvements as presented in the PSR/PR.
5. Preliminary Construction Cost from Task 1-G.

We will provide twenty (20) copies of the Draft PSR/PR, along with copies of the GAD and supporting attachments to the City for review and comment and for transmittal to Caltrans for their review and comment.

## Task 2-D Final Project Study Report/ Project Report (PSR/PR)

We will review the Draft PSR/PR comments from the City and Caltrans and incorporate any changes and revisions into the Final PSR/PR. We will provide twenty (20) copies and one (1) original of the



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Los Angeles Avenue Raised Median and Landscaping Project

**TETRA TECH, INC.**

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Final PSR/PR, along with copies of the preliminary plans and supporting attachments to the City for review and comment and for transmittal to Caltrans for their final review, approval, and signature.

#### Task 2-E Draft PS&E:

##### Street Plans/Profiles/Details

All plans necessary to construct the improvements will be prepared in accordance with *Standard Plans for Public Works Construction, 2006 Edition*, Caltrans 2006 Standard Plans, the City of Moorpark, and Ventura County. Three (3) copies of the plans will be submitted for each plan check review.

We will prepare 1" = 40', 24" x 36" plan and profile street plans, including geometric information for reconstruction, rehabilitation, overlay pavement, and other related street improvements required for the project.

##### Drainage Plans/Profiles

Tetra Tech will develop a modification strategy and prepare the plans and details necessary to construct the drainage facilities required to modify the street. Existing drainage basin locations will be reviewed to maximize the drainage system efficiency. Changes in the on-site drainage patterns that will occur as a result of the proposed street improvements will be reviewed and addressed in developing the drainage design.

Based on design flows determined from the hydrologic analysis, we will prepare hydraulic calculations necessary to determine the sizing of laterals, catch basin connection pipes and elevations, and locations of proposed curb inlets. The drainage analysis will also address the runoff from the existing and proposed street and provide for its disposal into a new or existing storm drain system.

The plans will provide for on-site improvements, such as location of new and relocated catch basins, laterals, mainline storm drain requirements, and other storm drainage facilities that may be required to collect storm water runoff. This scope of work does not include hydrological or hydraulic analysis of regional off-site drainage facilities or preparation of a Runoff Management Plan.

##### Landscape and Irrigation Plans

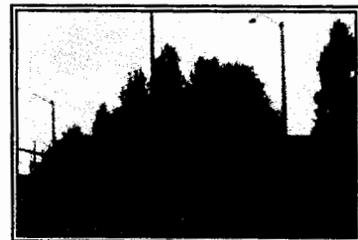
We will prepare landscape and irrigation design plans necessary to construct the improvements. Plans will show all irrigation systems and connections to water supply source, as well as plants, shrubs and trees to be specified by the City.

##### Utility Plans

We will prepare separate 1" = 40' scale utility plans using base layout sheets, showing the location of existing utilities, delineating those that will require relocation/adjustment, and designating who will be responsible for any required adjustment/relocation. Plans will be sent to utility companies to confirm that all facilities and relocation limits are clearly shown.

##### Striping/Signing

We will prepare signing and striping plans per the GAD, showing the locations of signs to remain, be removed or relocated; new sign installations; and special sign details. Striping plans will show all striping details, pavement markings and markers. Signing and striping plans will be prepared in accordance with the City of Moorpark and Caltrans standards and design criteria.



##### Traffic Management Plan

In order to prevent unreasonable traffic delays resulting from construction activities, Tetra Tech will prepare a traffic management plan (TMP) to maintain acceptable levels of service and safety during



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Los Angeles Avenue Raised Median and Landscaping Project

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all work activities in the project area. The TMP will be prepared per the Caltrans TMP Guidelines and will address the concerns and requirements of the City, Caltrans, and local businesses. The TMP will identify traffic impacts for each stage of construction and provide mitigation measures and their associated costs. The TMP for this project will require effective application of traditional and innovative mitigation measures such as:

- Public/Business Information Campaign
- Motorist Information Strategies
- Incident Management
- Construction Staging Strategies
- Demand Management
- Alternate Route Strategies
- Contingency Plans

### Construction Staging and Traffic Control Plans

Tetra Tech will include in the Special Provisions that the Contractor will prepare traffic control plans in accordance with the Caltrans "Manual of Traffic Controls for Construction and Maintenance of Work Zones."

### Final Draft Special Provisions

Specifications for this project will conform to the requirements of *Standard Specifications for Public Works Construction, 2006 Edition*, and City, County and Caltrans 2006 Standard Specifications.

The City will furnish specific front-end documents, and we will prepare final special provisions for items, details, materials, procedures, and other conditions not adequately covered by City, County, Caltrans, or Public Works Standard Specifications. A listing and copy of all standard plans required for the project will be provided in the Appendix, and copies of any plans used that are not standard will also be included. Five (5) copies of the specifications will be submitted with the design drawings for each plan check review.

### Final Draft Cost Estimate

We will prepare a draft cost estimate of probable construction costs for the project that will include a proposed bid item list, estimated quantity, and line item cost estimates in accordance with City format.

### Task 2-F Final Right-of-Way

When final right-of-way requirements are confirmed, we will prepare legal descriptions and sketches for property acquisition of necessary right-of-way in fee and/or easement. If required, we will provide legal descriptions for all landscape easements.

We have assumed one review of each description, response to comments and preparation of final descriptions.

***Note: Should the Street Lighting Plan require street lights to be installed, which conflict with ADA clearance requirements, the streets rights-of-way to be acquired shall include additional rights-of-way for wider sidewalks at each such street light.***

## PHASE 3 – FINAL DESIGN (95% & 100% SUBMITTAL)

### Task 3-A 95% PS&E Submittal

We will incorporate review comments from the draft plan check into the 95% PS&E submittal. Ninety-five percent (95%) submittal tasks will be the same tasks as described in Phase 2, Tasks 2-F, for the 65% submittal.



CITY OF MOORPARK

Los Angeles Avenue Raised Median and Landscaping Project

TETRA TECH, INC.

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### Task 3-B 100% PS&E Submittal

After incorporating review comments from the 95% plan check for the plans, specifications, and cost estimates for roadway, drainage, landscape and irrigation, utility, signing/stripping and street lighting, plans, we will submit Mylars of the plans; a sealed, original hard copy of the technical specifications; utility response files; and all calculations and notes generated by the project.

### Task 3-C Utility Coordination

We will send copies of the final plans showing known utilities that are impacted to the utility owners, requesting final verification of the existing facilities. A final meeting will be held with the utility companies to ensure conflicts are addressed and resolution is documented.

Our utility procedures include forms, meeting minutes, action item lists, and decision logs clearly identifying the resolution of undergrounding and relocation.

### Task 3-D Street Lighting Plans

We will prepare street lighting plans to install new street lighting and relocate or remove existing street lighting within project limits. The lighting plans will include proposed poles, pull boxes, conduits, service locations and wiring diagrams. The lighting plans will be prepared at a 1" = 40' scale.

If necessary, we will provide required information to the Southern California Edison Company (SCE) needed for SCE to prepare a Street Lighting Plan for the project. Said plan shall be included in the construction contract documents as an Appendix to the Specifications. A Bid item shall be included to cover the cost of placement of the conduits and pull boxes by the construction contractor, as required by the SCE Plan.

### Task 3-E Permits

Tetra Tech will assist the City in obtaining the appropriate permits necessary to construct the proposed improvements. We will meet, as necessary, with the appropriate entities who issue these permits and fill out required forms necessary to obtain these permits. The cost of all permits will be paid for by the City of Moorpark and is not included in our Fee Proposal. The following permits are anticipated:

- National Pollutant Discharge Elimination System (NPDES) Permit
- California Regional Water Quality Control Board Permit
- Caltrans Encroachment Permit



# Los Angeles Avenue Raised Median and Landscaping Project City of Moorpark

ID	Task Name	Duration	Start	Finish	2007	2008																	
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	Los Angeles Avenue Raised Median and Landscaping Project	490 days	Mon 7/10/06	Fri 5/23/08																			
2	Administration/Coordination/Meetings	490 days	Mon 7/10/06	Fri 5/23/08																			
3	Phase 1 - Conceptual Plan	115 days	Mon 7/10/06	Fri 12/15/06																			
4	Resarcib/Data Collection	25 days	Mon 7/10/06	Fri 8/11/06																			
5	Survey Services/Mapping/Blue Sheets	30 days	Mon 9/4/06	Fri 10/13/06																			
6	Utility Impacts/Coordination	30 days	Mon 9/4/06	Fri 10/13/06																			
7	Right of Way Identification/Impacts	75 days	Mon 9/4/06	Fri 12/15/06																			
8	Geometric Approved Drawing (GAD)	75 days	Mon 9/4/06	Fri 12/15/06																			
9	Visual Rendering	75 days	Mon 9/4/06	Fri 12/15/06																			
10	Preliminary Cost Estimate	75 days	Mon 9/4/06	Fri 12/15/06																			
11	Public Meetings	75 days	Mon 9/4/06	Fri 12/15/06																			
12	Phase 2 - Final Draft Plan	235 days	Mon 1/15/07	Fri 12/7/07																			
13	Traffic Report	60 days	Mon 1/15/07	Fri 4/6/07																			
14	Geotechnical Investigation	60 days	Mon 1/15/07	Fri 4/6/07																			
15	2-C Environmental Assessment	60 days	Mon 1/15/07	Fri 4/6/07																			
16	2-D Draft PS&E	40 days	Mon 2/12/07	Fri 4/6/07																			
17	Submit Draft Final PSR	0 days	Fri 4/6/07	Fri 4/6/07																			
18	Agency Review	25 days	Mon 4/9/07	Fri 5/11/07																			
19	Final PSR/PR	40 days	Mon 5/14/07	Fri 7/6/07																			
20	Submit Final PSR/PR	0 days	Fri 7/6/07	Fri 7/6/07																			
21	Caltrans Approve Final PSR/PR	25 days	Mon 7/9/07	Fri 8/10/07																			
22	Draft PS&E (65% Submittal)	85 days	Mon 8/13/07	Fri 12/7/07																			
23	Roadway Plans/Profile/Details	45 days	Mon 8/13/07	Fri 10/12/07																			
24	Drainage Plans/Profile	45 days	Mon 8/13/07	Fri 10/12/07																			
25	Utility Plans	45 days	Mon 8/13/07	Fri 10/12/07																			
26	Right of Way	25 days	Mon 9/10/07	Fri 10/12/07																			
27	Signage and Striping Plans	25 days	Mon 9/10/07	Fri 10/12/07																			
28	Traffic Signal Modification Plans	15 days	Mon 9/24/07	Fri 10/12/07																			
29	Construction Staging and Traffic Control Plans	25 days	Mon 10/1/07	Fri 11/2/07																			
30	Traffic Management Plan	25 days	Mon 10/1/07	Fri 11/2/07																			
31	Final Draft Special Provisions	25 days	Mon 10/1/07	Fri 11/2/07																			
32	Final Draft Cost Estimate	0 days	Fri 11/2/07	Fri 11/2/07																			
33	Submit 65% PS&E	25 days	Mon 11/5/07	Fri 12/7/07																			
34	Agency Review (65% PS&E)	120 days	Mon 12/10/07	Fri 5/23/08																			
35	Phase 3 - Final Design	65 days	Mon 12/10/07	Fri 3/7/08																			
36	Draft Final PS&E (95% Submittal)	40 days	Mon 12/10/07	Fri 2/1/08																			
37	Roadway Plans/Profile/Details	35 days	Mon 12/17/07	Fri 2/1/08																			
38	Drainage Plans/Profile	20 days	Mon 12/17/07	Fri 2/1/08																			
39	Utility Plans	20 days	Mon 12/17/07	Fri 2/1/08																			
40	Signage and Striping Plans	20 days	Mon 12/17/07	Fri 2/1/08																			
41	Street Lighting Plans	20 days	Mon 12/17/07	Fri 2/1/08																			
42	Traffic Signal Modification Plans	20 days	Mon 12/17/07	Fri 2/1/08																			
43	Construction Staging and Traffic Control Plans	15 days	Mon 1/14/08	Fri 2/1/08																			
44	Draft Final Special Provisions	15 days	Mon 1/14/08	Fri 2/1/08																			
45	Draft Final Cost Estimate	0 days	Fri 2/1/08	Fri 2/1/08																			
46	Submit 95% PS&E	25 days	Mon 2/4/08	Fri 3/7/08																			
47	Agency Review (95% PS&E)	55 days	Mon 3/10/08	Fri 5/23/08																			
48	Final PS&E (100% Submittal)	40 days	Mon 3/10/08	Fri 5/2/08																			
49	Utility Coordination	40 days	Mon 3/10/08	Fri 5/2/08																			
50	Street Lighting Plans	40 days	Mon 3/10/08	Fri 5/2/08																			
51	Permits	40 days	Mon 3/10/08	Fri 5/2/08																			
52	Incorporate Comments	40 days	Mon 3/10/08	Fri 5/2/08																			
53	Submit 100% PS&E	0 days	Fri 5/2/08	Fri 5/2/08																			
54	Agency Approve 100% PS&E	15 days	Mon 5/19/08	Fri 5/23/08																			

**TETRA TECH, INC.**  
**FEE ESTIMATE - Los Angeles Avenue Raised Median and Landscaping Project**  
**CITY OF MOORPARK**

Exhibit "D"

ESTIMATED LABOR HOURS PER CLASSIFICATION

TASK	DESCRIPTION	PROJECT		DESIGN ENGINEERS/ SCIENTIST	CAD OPER	WORD PROC	SURVEY COOR	2-PER SURV CREW	TOTAL LABOR HOURS	TOTAL LABOR COSTS	DIRECT COSTS	TOTAL COST	REMARKS
		MANAGE/PR INCIPAL SCIENTIST	ENGINEER/ ASSOC SCIENTIST										
0-A	Administration/Coordination/Meetings (2006 Hourly Rates)	24	16	\$110	\$95	\$65	\$100	\$178	124	\$11,952		\$11,952	
	<b>SUBTOTAL</b>	<b>24</b>	<b>16</b>						<b>124</b>	<b>\$11,952</b>		<b>\$11,952</b>	
1-A	Research/Data Collection	2	4	24	12	8			50	\$5,186		\$5,186	
1-B	Survey Services/Mapping/Base Sheets	8	64	40	40	24	80	140	396	\$52,704		\$56,904	* STB - Wagner Engineering, Inc
1-C	Utility Impact/Coordination	2	4	16	8	4			34	\$3,666		\$3,666	
1-D	Right of Way Identification/Impacts	2	2	16	8	2	8	16	56	\$7,184		\$7,184	
1-E	Geometric Approval Drawing (GAD)	2	16	36	24	2			80	\$8,876		\$8,876	
1-F	Visual Rendering	2	4	8	0	0			18	\$2,146		\$2,146	
1-G	Preliminary Cost Estimate	2	8	24	0	4			38	\$4,326		\$4,326	
1-H	Public Meetings	4	4	0	0	4			12	\$1,492		\$1,492	
	<b>SUBTOTAL</b>	<b>24</b>	<b>108</b>	<b>164</b>	<b>96</b>	<b>48</b>	<b>88</b>	<b>156</b>	<b>684</b>	<b>\$85,580</b>	<b>\$4,200</b>	<b>\$89,780</b>	
2-A	Traffic Report	2	8	32	8	16			66	\$6,746	\$2,500	\$9,246	* Traffic Data Collection
2-B	Environmental Assessment and Mitigation	4	80	64	24	64			216	\$24,972	\$3,150	\$28,122	* Reproduction/Direct Costs
2-C	Draft PS&E	8	80	12	16	24			140	\$16,584	\$1,000	\$17,584	* Reproduction/Direct Costs
2-D	Draft PS&E	8	32	12	8	8			68	\$8,304	\$750	\$9,054	* Reproduction/Direct Costs
2-E	Draft PS&E (65% Submittal)										\$750	\$750	* Reproduction/Direct Costs
	<b>SUBTOTAL</b>	<b>8</b>	<b>16</b>	<b>40</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>\$10,224</b>	<b>\$7,400</b>	<b>\$17,624</b>	
	<b>SUBTOTAL</b>	<b>4</b>	<b>16</b>	<b>32</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>\$7,892</b>		<b>\$7,892</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>8</b>	<b>32</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>\$6,466</b>		<b>\$6,466</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>8</b>	<b>32</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>\$6,466</b>		<b>\$6,466</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>8</b>	<b>32</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>\$6,466</b>		<b>\$6,466</b>	
	<b>SUBTOTAL</b>	<b>4</b>	<b>32</b>	<b>36</b>	<b>16</b>	<b>4</b>	<b>0</b>	<b>24</b>	<b>68</b>	<b>\$7,452</b>		<b>\$7,452</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>8</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>\$3,706</b>		<b>\$3,706</b>	
2-F	Final Right of Way	4	16	24	16	8	80	0	140	\$15,012	\$7,400	\$22,412	
	<b>SUBTOTAL</b>	<b>4</b>	<b>16</b>	<b>24</b>	<b>16</b>	<b>16</b>	<b>80</b>	<b>0</b>	<b>148</b>	<b>\$17,456</b>	<b>\$7,400</b>	<b>\$24,856</b>	
3-A	Draft Final PS&E (95% Submittal)										\$750	\$750	* Reproduction/Direct Costs
	<b>SUBTOTAL</b>	<b>4</b>	<b>16</b>	<b>40</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>\$10,292</b>		<b>\$10,292</b>	
	<b>SUBTOTAL</b>	<b>4</b>	<b>12</b>	<b>24</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>\$7,232</b>		<b>\$7,232</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>\$4,166</b>		<b>\$4,166</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>2</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>28</b>	<b>\$3,136</b>		<b>\$3,136</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>2</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>28</b>	<b>\$3,136</b>		<b>\$3,136</b>	
	<b>SUBTOTAL</b>	<b>2</b>	<b>8</b>	<b>24</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>42</b>	<b>\$4,826</b>		<b>\$4,826</b>	
	<b>SUBTOTAL</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>52</b>	<b>52</b>	<b>\$5,652</b>		<b>\$5,652</b>	
	<b>SUBTOTAL</b>	<b>4</b>	<b>4</b>	<b>16</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>26</b>	<b>26</b>	<b>\$2,906</b>		<b>\$2,906</b>	
3-B	Final PS&E (100% Submittal)								60	\$6,652	\$1,500	\$8,152	* Reproduction/Direct Costs
3-C	Utility Coordination	4	4	8	16	4			36	\$3,892		\$3,892	
3-D	Street Lighting Plans	2	4	16	16	0			38	\$4,166		\$4,166	
3-E	Permits	8	24	0	0	12			60	\$7,164		\$7,164	
	<b>SUBTOTAL</b>	<b>40</b>	<b>112</b>	<b>224</b>	<b>144</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>564</b>	<b>\$63,220</b>	<b>\$2,250</b>	<b>\$65,470</b>	
	<b>SUBTOTAL</b>	<b>140</b>	<b>556</b>	<b>764</b>	<b>416</b>	<b>320</b>	<b>168</b>	<b>156</b>	<b>2520</b>	<b>\$288,208</b>	<b>\$13,850</b>	<b>\$302,058</b>	
	<b>TOTAL ESTIMATED COST</b>										<b>\$</b>	<b>\$302,058</b>	

RESOLUTION NO. 2006-\_\_\_\_\_

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MOORPARK, CALIFORNIA, AMENDING THE FISCAL YEAR 2006/07 BUDGET TO INCREASE THE FUNDING FOR DESIGN/ENGINEERING FOR THE CAPITAL PROJECT "LOS ANGELES AVENUE LANDSCAPED MEDIANS" (PROJECT NO. 8047)

WHEREAS, on June 21, 2006, the City Council adopted the budget for the Fiscal Year 2006/07; and

WHEREAS, this project is identified and described in the 2006/07 City of Moorpark Capital Improvement Budget; and

WHEREAS, the Proposal for the Design/Engineering phase of the project is higher than the amount budgeted for FY 2006/07.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MOORPARK DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. That a Budget amendment is hereby approved to increase the funding for Design/Engineering by an additional \$23,491 from the Los Angeles Avenue AOC Fund Reserve (2501), and appropriate said amount to budget unit/account 2501-8310-8047-9601.

SECTION 2. The City Clerk shall certify to the adoption of this resolution and shall cause a certified resolution to be filed in the book of original resolutions.

PASSED AND ADOPTED this 2<sup>nd</sup> day of August, 2006.

\_\_\_\_\_  
Patrick Hunter, Mayor

ATTEST:

\_\_\_\_\_  
Deborah S. Traffenstedt, City Clerk

Attachment:  
Exhibit "A" - Budget Amendment

EXHIBIT "A"

BUDGET AMENDMENT FOR LOS ANGELES AVENUE MEDIANS (8047) FY 2006/07

FUND	ACCOUNT NUMBER	APPROPRIATION REQUESTED
L. A. Ave. AOC	2501.5500	\$23,491

BUDGET APPROPRIATION

ACCOUNT NUMBER	CURRENT FY 2006/2007 APPROPRIATION	SUBJECT APPROPRIATION /(REDUCTION)	REVISED APPROPRIATION
2501.8310.8047.9601	\$278,567	\$23,491	\$302,058

Approved as to form:

