

TO: James L. App, City Manager
FROM: Ron Whisenand, Community Development Director
SUBJECT: Civil Engineering Contract– 4th and Pine Streets
DATE: June 20, 2006

Needs: For the City Council to consider authorizing the City Manager to enter into an Agreement for civil engineering and surveying services in relation to the realignment of 4th and Pine Streets.

Facts:

1. The City has completed a Project Study Report (PSR) that outlines options for the connection of 4th Street to Riverside Avenue via an underpass below the railroad.
2. The PSR identifies a modified alignment for 4th and Pine Streets that must be implemented to accommodate the eventual underpass and connection to Riverside Avenue.
3. The City will obtain the right-of-way for the street realignments through the exchange of properties on the north and south sides of 4th Street. The City has drafted an Owner Participation Agreement (OPA) that outlines the terms and conditions for sale of the City owned property at 4th and Pine Streets and the financing of the construction of the street realignments.
4. The City has received proposals from North Coast Engineering and Cannon Associates for preparation of construction documents for the realignment of 4th and Pine Streets. North Coast Engineering proposes to provide these services for \$53,193. Cannon's proposal for similar services is \$61,500.

**Analysis
and**

Conclusion: The Project Study Report for the connection of 4th Street to Riverside Avenue provides for new horizontal and vertical alignments of 4th and Pine Streets in order to accommodate the underpass below the railroad. One of the intentions of the Owner Participation Agreement associated with the transfer of the City owned property is to implement the ultimate alignments of 4th and Pine Streets.

Even though it may be years before the underpass is completed, the realignment of 4th and Pine Streets is an opportunity to induce traffic to use Pine Street, via 4th Street, as an alternative route into the downtown. This is consistent with the traffic circulation patterns encouraged in the Downtown Parking and Circulation Plan.

Policy

Reference: Circulation Element of the General Plan

Fiscal

Impact: \$53,200 from General Fund reserves to be backfilled with the proceeds from the sale of the property at 4th and Pine Streets.

- Options:**
- a. Adopt Resolution No. 06-xx authorizing the City Manager to enter into an agreement for civil engineering and survey services with North Coast Engineering in relation to the realignment of 4th and Pine Streets for a not-to-exceed fee of \$53,200.
 - b. Amend, modify, or reject the above option.

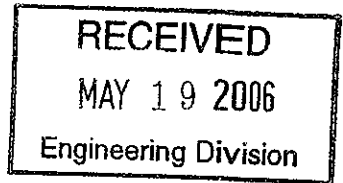
Attachments (3)

1. Proposal for Services (NCE)
2. Proposal for Services (Cannon)
3. Resolution



NORTH COAST ENGINEERING, INC.

Civil Engineering ▪ Land Surveying ▪ Project Development



May 19, 2006

Mr. John Falkenstien
City of Paso Robles
1000 Spring Street
Paso Robles, CA 93446

Subject: Pine Street / 4th Street Realignment
Paso Robles, California

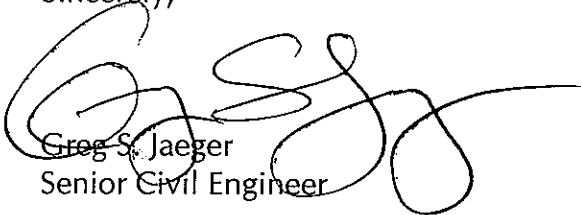
Dear John:

We are pleased to provide a proposal for civil engineering and survey services for the above mentioned project.

We have revised our original proposal to reflect prevailing wage costs for our field services based on our conversations with you.

If you have any questions please do not hesitate to call. We look forward to working with you on this project.

Sincerely,



Greg S. Jaeger
Senior Civil Engineer

GSJ/jms

Cc: Jim Saunders, Pacific Management Development



RECEIVED
MAY 19 2006
Engineering Division

EXHIBIT "A"

City of El Paso de Robles

Public Improvements
For
Pine Street/4th Street Realignment
And Lot Line Adjustment
May 19, 2006

I. SURVEYING AND MAPPING SERVICES	\$	9,798.00
A. Topographic Mapping (Prevailing wage-field work)		
1. New alignment of Pine Street cross section		
2. Existing Pine Street cross section to underpass		
3. Locate existing monumentation		
4. Locate existing surface improvements		
5. Locate overhead utilities		
B. Prepare topographic base map		
1. One foot contour interval		
2. Surface and overhead features		
3. Record boundary of PGE and 4th St. properties		
C. Boundary Research and Resolution		
D. Boundary Resolution for PGE property		
II. PRELIMINARY DESIGN SERVICES	\$	3,197.00
A. Preliminary review with City Staff		
1. Alignment of Pine Street underpass with new Pine St.		
2. Drainage from realigned area to underpass		
3. Realignment of water and dry utilities		
B. Submit Pine Street alignment alternatives for City review		

III. FINAL DESIGN SERVICES¹

\$ 40,037.00

A. Improvement Plans

1. Street improvement plans

- a. Prepare plan and profile sheet-new Pine Street alignment
- c. Prepare plan and profile sheet-old Pine St to new Pine St. connection

2. Subsurface improvement plans

- a. Design storm drain layout
- b. Design water system layout
- c. Prepare drainage analysis and report
- d. Prepare plan and profile sheets
 - New Pine St. alignment
 - Stormdrain extension to daylight at old Pine St.

3. Miscellaneous Plan Sheets

- a. Title sheet
- b. General Notes
- c. Details
- d. Striping plan

4. Composite Utility Plan

- a. Prepare base sheet for distribution to utility companies
- b. Compile utility locations/requirements
- c. Attend pre-engineering meeting with utilities
- d. Coordinate utility designs
- e. Obtain utility signatures

III. FINAL DESIGN SERVICES (Continued)

- B. Earthwork quantities
- C. Prepare 70% plan submittal
 - 1. Review plan check comments
 - 2. Coordinate with City staff
- D. Prepare 90% plan submittal
- E. Prepare Special Provisions
- F. Prepare Engineer's Estimate/Bid Sheet
- G. Prepare 100% PS&E
- G. Meetings and Quality Control
 - 1. Attend 2 design meetings
 - 2. Internal Plan Check

<u>TOTAL ESTIMATED FEE:</u>	<u>\$ 53,193.00</u>
plus reimbursible expenses	

¹ Design is based on Alternative 8 Undercrossing Alignment by URL Sept 2003- Plans to be prepared in English units.

² Review of the Participation Agreement may result in changes to design scope

CLIENT RESPONSIBILITIES/EXCLUSIONS:

- Title Reports
- Soils Report/Soils Engineering
- Landscape Plans
- Retaining Wall Design
- Utility Design Fees
- SWPPP by contractor
- Traffic Control Plan by Contractor
- Lot Line Adjustment and Record of Survey

ENGINEERS
PLANNERS
SURVEYORS

May 19, 2006

Ms. Ditas Esperanza, PE
CITY OF PASO ROBLES
Capital Projects Engineer
1000 Spring Street
Paso Robles, CA 93446

Re: 4TH AND PINE STREET RE-ALIGNMENT

Dear Ditas:

Cannon Associates is pleased to submit this proposal to provide engineering, consultation, and construction support services for the horizontal and vertical re-alignments of 4th Street and Pine Street.

This proposal includes an analysis to determine the alignment preferable to the City, preparation of design development plans for City review and comment, completion of construction documents for the selected alignment, and construction support services.

If this proposal meets your approval, please forward the City's Consultant Service Agreement for our signature. We are prepared to begin work upon receiving your authorization to proceed.

As always, thank you for considering Cannon Associates for this project. We value our relationship with you and the City of Paso Robles. If you have any questions, please contact me at your convenience.

Sincerely,



for Jeff Spannbauer, PE
Civil Engineer

364 Pacific Street
San Luis Obispo, CA 93401
Tel: 805-544-7407
Fax: 805-544-3863

5001 California Avenue, Suite 120
Bakersfield, CA 93309
Tel: 661-328-6280
Fax: 661-328-6284



SCOPE OF WORK**PHASE I: PRELIMINARY DESIGN SERVICES***Task 1 Project Kickoff Meeting and Site Visit*

We will attend a meeting with City staff to review the possible street alignments and discuss the City's goals for this project. Based on this meeting, we will prepare a schedule showing anticipated timing for all phases of the project, through completion of construction.

Task 2 Utility Research

We will contact the public and private utility purveyors providing services within the project corridors and obtain any available record drawings and as-built information for the existing underground utilities. From this information, we will identify and examine potential utility conflicts and/or relocation requirements to minimize design modifications during construction.

It is fairly well understood that record data research of utility as-built information often fails to accurately identify vertical and horizontal locations of subsurface facilities. To confirm the locations of these facilities, we often need to verify in the field - an effort which may require potholing. Since we do not now know the amount of potholing that may be required, we have not included potholing in this proposal. However, if potential conflicts appear to warrant potholing, we can facilitate this service on a cost plus basis. At a minimum, we will recommend that this effort be a part of the Contractor's work to verify as-built conditions prior to fully mobilizing their work force.

Task 3 Alignment Analysis

We will develop and analyze two alternatives for the re-alignment of 4th Street (between Spring Street and Southern Pacific Railroad) and Pine Street (as it ties into 4th Street and the Railroad underpass) with input and direction from City staff.

Both alternatives will generally conform to Alignment 8A as proposed by URS Corporation in a previous study. However, we understand that Alignment 8A depicts the final build out of these streets (including a railroad bridge and underpass) which is cost prohibitive to the City at this time. Therefore, the first alternative will consist of an alignment allowing vehicles and drainage to access the existing railroad underpass via a temporary road constructed off Spring Street. The second alternative will consist of an alignment allowing vehicles and drainage to access the existing railroad underpass via the existing Pine Street alignment.

We will prepare alignment exhibits, including ownership information and base mapping for the parcels along the routes, for each alignment for the City's review. We will evaluate design criteria, project constraints, utility conflicts, preliminary opinions of probable cost and construction timing issues for each alignment as well.

Task 4 *Supplemental Topographic Survey*

Cannon Associates will utilize the existing aerial topographic information provided by the City to complete the roadway design. However, we anticipate that some additional survey field work will be required to supplement the aerial topographic survey. This proposal includes one day of supplemental survey field work.

PHASE II: DESIGN DEVELOPMENT SERVICES

Upon selection by the City of the preferred alignment, we will proceed with preparation of design documents, as described in the tasks below.

Task 5 *Public Improvement Plans (50% and 75% submittals)*

Based on the findings and results of the preliminary design services, we will prepare 50% and 75% Public Improvement Plan submittal packages for City of Paso Robles review. These submittal packages will contain street improvement plans prepared to a level of detail equal to approximately 50 percent and 75 percent of the anticipated final design, respectively. These plans will illustrate plan and profile information and specify shoefly easement limits, cut and fill quantities, limits of cut and fill slopes, street sections and typical cross sections, and storm water routing.

Depending on which alignment is chosen, we anticipate that we will need a Title Sheet, a Notes and Legend Sheet, up to three Plan and Profile Sheets, a Signing and Striping Sheet, an Erosion Control Sheet, and a Detail Sheet. Draft Project Specifications and Preliminary Cost Estimates based on the design plan will also be included with each package. Cannon Associates will submit, track, and process these documents through the City and appropriate utility companies and public agencies.

PHASE III: NPDES PERMITTING**Task 6** *SWPPP*

As the proposed street improvement area is greater than one acre, this project will require a Storm Water Pollution Prevention Plan (SWPPP), prior to construction. We will prepare a SWPPP and a Sedimentation and Erosion Control Plan, and we will file a Notice of Intent with the State Water Resources Control Board. The plans and permits will address rough grading, final grading and construction activities. These plans will provide BMP methods and controls for both dry and wet season grading activities, as well as protection for surface water bodies and storm drains from pollution related to construction activities.

The SWPPP and Sedimentation and Erosion Control Plan will be prepared in accordance with the criteria of the City of Paso Robles Standards and the California Regional Water Quality Control Board (CRWQCB).

PHASE IV: CONSTRUCTION DOCUMENTATION SERVICES*Task 7 Final Construction Documents*

Based on the City's review of the previous design submittals for the street improvements, we will prepare final plans, technical specifications, and an opinion of probable cost, suitable for bidding and construction purposes. This submittal package will contain the final street improvement plans and will be submitted on permanent drawing medium (mylar film). These plans will incorporate the review comments of the 75 percent construction documents package and will provide construction level designs and specifications for the entire project sufficient for the final project approvals and entity signatures. Final Project Specifications, Bid Quantity Estimate, and Engineer's Opinion of Probable Cost documents, will also be included. Digital computer drawing files of the Final Construction Documents will be submitted to the City in AutoCAD (Release 2002) and Microsoft Word formats for the City's internal use.

PHASE V: CONSTRUCTION SUPPORT SERVICES

At this point, it is difficult to define the extent of construction support that the City will require. The tasks below describe anticipated services and level of effort for planning purposes; however, we may need to refine this scope prior to construction.

Task 8 Bid Support

Cannon Associates will provide bid support services to the City as requested. These services may include written responses to bidding questions, review of bids, and contractor selection recommendations. An estimate of approximately two (2) person-days is included in the working budget.

Task 9 Pre-Construction Meeting

Upon request, Cannon Associates will attend a Pre-Construction Meeting with the City, the selected contractor, project team members, utility companies, and concerned public agencies. We estimate four hours for meeting attendance and assistance with preparing the meeting agenda.

Task 10 Construction Administration/Engineering

Cannon Associates will provide Construction Engineering services as directed by the City. These services will include review of shop drawings for compliance with the construction documents, and responses to the City's or contractor's requests for information and/or clarifications. We have budgeted a total of 15 items for review at 2-hrs each. We have also budgeted five 4-hr site visits for construction observations and clarifications as a part of this task. We will provide the City a written site observation report after each visit.

Task 11 Final Job-Walk

Cannon Associates will participate in two (2) project walk-throughs of the completed project as directed by the City. This service will include participation in the creation of a project punch-list and recommendations for corrections and/or completions of remaining work. An estimate of two (2) person-days is included in the working budget for attendance and preparation of a punch list.

Task 12 Record Drawings

Utilizing as-built information and project revision documentation provided by the construction contractor and from the task above, Cannon Associates will prepare and submit project Record Drawings on permanent drawing medium (mylar film) for City archiving and future reference purposes. These plans will be based on the final Construction Documents and will incorporate the contractor redlined mark ups made during the construction of the project. We will provide Digital computer drawing files of the completed Record Drawings in AutoCAD (Release 2002) format for the City's internal use. An estimate of 10 person-days is included in the working budget for the preparation of approximately 20 sheets of record drawings.

Fees:

Fees are based on the hourly rates per the enclosed fee schedule and do not include ordinary reimbursable expenses or color reproduction fees.

<i>Project Kickoff Meeting and Site Visit</i>	\$750
<i>Utility Research</i>	\$2,000
<i>Alignment Analysis</i>	\$15,750
<i>Supplemental Topographic Survey</i>	\$3,000
<i>Public Improvement Plans (50% and 75% submittals)</i>	\$25,000
<i>NPDES Permitting</i>	\$6,500
<i>Final Construction Documents</i>	\$15,000
<i>Bid Support *</i>	\$2,000
<i>Pre-Construction Meeting *</i>	\$500
<i>Construction Administration *</i>	\$5,000
<i>Final Job-Walk *</i>	\$2,000
<i>Record Drawings *</i>	\$3,200

*** Total Estimated Fees: \$80,700**

** The scope and fees for these phases are difficult to estimate at this stage of the project and will therefore be charged on a time and materials basis. A budget number has been assigned to this phase for City budgetary purposes. In the event the fees exceed the budget estimate, an additional service request will be forwarded to the City for processing and approval.*

OTHER CONSULTANT FEES:

Consultants for Archeological Services, Biological Survey and Assessments, Wetlands Delineation, CEQA Analysis, Right-of-Way Dedication Plat and Legal Descriptions, and Geotechnical Investigations are excluded from the Total Estimated Fee amount. The City shall contract directly with the consultants for these services, if necessary.

RESOLUTION NO. 06-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH
NORTH COAST ENGINEERING FOR CIVIL ENGINEERING SERVICES RELATED
TO THE REALIGNMENT OF 4TH AND PINE STREETS

WHEREAS, the City has completed a Project Study Report that outlines options for the connection of 4th Street to Riverside Avenue via an underpass below the railroad; and

WHEREAS, the City desires to construct the realignment of 4th and Pine Streets in accordance with the Project Study Report; and

WHEREAS, the City desires to accomplish the realignment of 4th and Pine Streets through an Owner Participation Agreement related to City owned property at this location.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of El Paso de Robles does hereby authorize a one time appropriation in the amount of \$53,200 from General Fund Budget Account No. 100-910-5254-302 for the City Manager to enter into a contract with North Coast Engineering for Civil Engineering Services to provide construction documents for the realignment of 4th and Pine Streets in accordance with the Project Study Report for the 4th Street connection to Riverside Avenue. The budget appropriation will be effective with the fiscal year beginning July 1, 2006.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 20th day of June 2006 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Frank R. Mecham, Mayor

ATTEST:

Deborah D. Robinson, Deputy City Clerk