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DEPARTMENT OF
PUBLIC WORKS

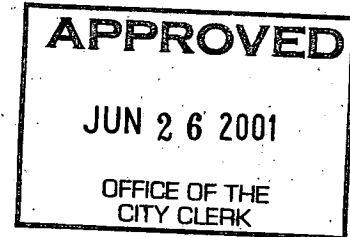
CITY OF SACRAMENTO
CALIFORNIA

927 10TH STREET
SACRAMENTO, CA
95814-2702

TECHNICAL SERVICES
DIVISION

PH 916-264-8300
FAX 916-264-8281

May 23, 2001



City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: 7th STREET EXTENSION PROJECT (PN:TH26) – APPROVAL OF SUPPLEMENTAL AGREEMENT NO. 1 IN THE AMOUNT OF \$276,500 WITH PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.

LOCATION AND COUNCIL DISTRICT:

7th Street Extension from D Street to North B Street, Council District 1.

RECOMMENDATION:

This report recommends that the City Council adopt:

- Approving Supplemental Agreement No. 1 to the Consultant Services Agreement with Parsons Brinckerhoff Quade and Douglas, Inc. in the amount of \$276,500 to provide engineering design; and
- Reset City Manager Supplemental Agreement Authority.

CONTACT PERSON: Ken Grehm, Supervising Engineer, 264-7531

FOR COUNCIL MEETING OF: June 26, 2001

Department of
PUBLICWORKS
CITY OF
SACRAMENTO

City Council
7th Street Extension Project (PN:TH26)
May 23, 2001

SUMMARY:

Approving Supplemental Agreement No. 1 is required to compensate Parsons Brinckerhoff Quade and Douglas, Inc. for performing additional design that was not part of the original agreement.

COMMITTEE/COMMISSION ACTION:

None.

BACKGROUND INFORMATION:

On March 28, 2000, the City Council approved a Consultant Services Agreement with Parsons Brinckerhoff Quade & Douglas, Inc. in the amount of \$1,107,060 for engineering design services for the 7th Street Extension Project.

During design, the City directed the consultant to develop conceptual designs and cost estimates for several alternative configurations of the roadway, bridge and underpass for 2-lanes and 4-lanes with LRT undercrossing and new waterlines.

Approval of the Supplemental Agreement No.1 in the amount of \$276,500 is required to compensate Parsons Brinckerhoff Quade & Douglas, Inc. for completing additional work (see Attachment A).

The following is a summary of the major items:

- Provide conceptual designs and cost estimates for various 2 lane and 4 lane project alternatives, \$48,000.
- Add waterline to project, \$39,000.
- Additional retaining walls to accommodate raising roadway due to flood control concerns, \$55,000.
- Study and redesign drainage system to remove flows from downtown combined system and route towards the Richards Area, \$48,000.
- Additional surveying, \$25,000.

FINANCIAL CONSIDERATIONS:

The existing project budget for design services was \$1,107,060. The estimated cost to complete the design of the project is \$1,313,560. Additional funding in the amount of \$206,560 is required to complete the entire project. The unobligated fund balance for this project, as of May 31, 2001, is \$4,326,630, which is sufficient to fund Supplemental Agreement No.1.

City Council
7th Street Extension Project (PN:TH26)
May 23, 2001

ENVIRONMENTAL CONSIDERATIONS:

On March 30, 1999, City Council adopted Resolution No. 99-155, which certified the Environmental Impact Report (EIR) and the mitigation-monitoring plan for this project. The Notice of Determination was filed on April 6, 1999 with the County of Sacramento.

Because the project is being partially financed with federal highway funds, an environmental analysis is being prepared to satisfy the requirements of the National Environmental Policy Act (NEPA).

POLICY CONSIDERATIONS:

The action requested herein is consistent with Sacramento City Code, Title 3.

ESBD CONSIDERATIONS:

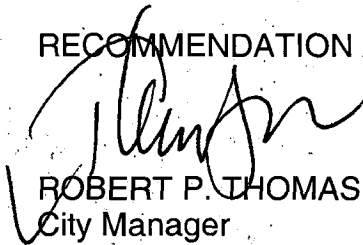
There are no ESBD considerations for this agreement due to the Disadvantage Business Enterprise (DBE) requirements. Parsons Brinckerhoff Quade & Douglas, Inc. has met the 20% goal for DBE participation. ESBD requirements are not applicable due to this project's award being prior to the ESBD program implementation date.

Respectfully submitted,



Francesca Lee Halbakken
Project Delivery Manager

RECOMMENDATION APPROVED:



ROBERT P. THOMAS
City Manager

Approved:



Michael Kashiwagi
Director of Public Works

P/Active/TH26 7th Street Extension/Council/Approval of Supp Agree 1 with PB

**Parsons
Brinckerhoff**3840 Rosin Court
Suite 200
Sacramento, CA 95834
916-567-2500
Fax: 916-925-3517

May 24, 2001

Mr. Nader Kamal
City of Sacramento
Public Works/Technical Services
927 10th Street
Sacramento, CA 95814RE: 7th Street Extension Project
Additional Work

Dear Nader:

In the interest of keeping the project moving forward on schedule, Parsons Brinckerhoff (PB) and some of our subconsultants have performed work which we believe is not part of our original Scope of Work. This Additional Work is described briefly below:

Parsons Brinckerhoff

Our original estimate (as provided to the City on January 6, 2000) of the number of drawings required for the roadway, underpass, structures, utilities and drainage was 74. The actual number of such drawings included in our recently submitted 100% plans is 118, or 60% more than originally assumed. Excluding the 11 new waterline drawings, which are discussed separately below, the number of drawings is 107 or 45% more than originally assumed.

- Special Bridge/Underpass Studies -- developed conceptual-level designs and cost estimates for several alternative sizes and configurations of the roadway, bridge and underpass for a 2-lane, 2-lane with LRT, 4-lane, and 4-lane with LRT undercrossing. This work occupied the Project Manager and several of our design engineers during September and October 2000. \$48,000
- New Waterline -- at the request of Utilities Department, a new 18-inch waterline was added to the project. Prepared 6 plan and profile sheets, 5 detail and section sheets, special provisions and estimate. \$39,000
- Additional Retaining Walls -- our scope and budget assumed 4 retaining wall drawings would be needed. Additional retaining walls were added to the project at the northwest and northeast corners of North 7th Street and North B Street as a result of the roadway profile being raised to elevation 26 ft at the floodwall. The wall on the northeast corner involved extra effort because of the need to match and reuse the existing ornamental fence on top of the new retaining wall. The site plan for the pump sump now includes a retaining wall with the Proto II wall on top. The total number of retaining wall drawings included in our 100% plans is 12, or 8 more than originally assumed. \$55,000



- Parking Lot on UPRR Property – a site plan showing the reconstruction and regarding of the UPRR parking lot is now included in our 100% plans. \$3,000
- Additional Drainage Features – our original scope and budget assumed the underpass would be pumped and drained into the existing combined sewer system south of the underpass. Initially that was the approach preferred by the Department of Utilities. Later direction was to drain the underpass to the north, thus requiring large drainage ditch/storage basins within the railyard and a new storm sewer along North 7th Street. Several sheets needed to be modified to reflect the additional drainage features. \$12,000
- Project Management – our original Scope of Work assumed a project duration of 10 months (February to December 2000). Due to the delay in UPRR initiating their bridge design and the two months spent considering alternative bridge and underpass configurations, the actual project duration is 16 months. \$36,000
- UPRR Shoofly and Fiber-Optic Relocation – reviewed alignment and cost estimate developed by UPRR and Qwest/MCI. Prepared letter reports. \$4,000

Total PB Additional Work -- \$197,000

Espana Geotechnical Consulting

Performed additional borings to access limits of potentially liquefiable soil conditions. Additional fieldwork and laboratory tests were conducted to better define permeability for soil grouting. \$18,500

Ensign & Buckley

The preliminary design and estimate reflected pumping the sump outfall into storage tanks near 7th Street and D Street with monitored gravity outflow to the combined sewer system. Subsequently, the Utilities Department decided instead that the acceptable option was to drain the underpass north to the Basin 111 storm drainage system. This option greatly increased the analysis and design effort required by EB to adequately prepare a Tech Memo for Drainage Facility Requirements and properly design the drainage system. A hydraulic analysis of Basin 111, including preparation of a SWMM Model, was performed. This Additional Work was outside EB's original Scope of Work. \$36,000



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Performed additional surveys, mapping and right-of-way documentation including:

- UPRR survey control ties and calculations
- Survey and stake monitoring well positions
- Research property lines for NE and NW corners of North 7th St. and North B St.
- Prepare quitclaim exhibits
- Title Company meetings
- Revise right-of-way exhibits and legal descriptions
- Additional field survey of railyard to reflect post-remediation conditions

\$25,000

The total cost of Additional Work for PB and our subconsultants is \$276,500. Per the requirements of our contract with the City, we are requesting a contract amendment for this amount to cover the Additional Work performed.

If you have any questions or require further information, please let me know.

Very truly yours,

A handwritten signature in black ink that reads 'Robert J. Cermak'.

Robert J. Cermak
Project Manager