

RESOLUTION NO. 2007-2

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ELK GROVE
AUTHORIZING THE CITY MANAGER, OR HIS DESIGNEE, TO EXECUTE AN
AMENDMENT TO THE CONTRACT WITH WOOD RODGERS, INC. IN THE AMOUNT
OF \$169,225 FOR ADDITIONAL PROFESSIONAL ENGINEERING SERVICES AND
TO EXTEND THE CONTRACT TERMINATION DATE TO DECEMBER 31, 2008 FOR
THE FRANKLIN BOULEVARD WIDENING PROJECT
(CONTRACT NUMBER C-04-167)**

WHEREAS, the City of Elk Grove requires additional services to be provided for the Franklin Boulevard Widening Project, including additional preliminary engineering, cost estimating, field surveys, environmental support, meeting attendance, project management, project administration, traffic studies, right-of-way engineering, and final design; and

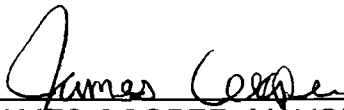
WHEREAS, Wood Rodgers, Inc. has been involved in providing engineering services for the project and is very knowledgeable of all of the project constraints and issues and is therefore best qualified to provide the additional required services in a timely and cost-effective manner; and

WHEREAS, the project has been delayed by two years due to unforeseen circumstances related to the Stone Lake National Wildlife Refuge; and

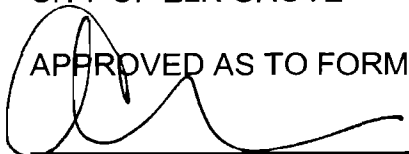
WHEREAS, Wood Rodgers, Inc. has previously executed a contract with the City to provide professional engineering services for the project for an amount not to exceed \$460,773 and agrees to perform the required additional work for an additional amount not to exceed \$169,225; as a result, the not-to-exceed compensation for the contract will increase to \$629,998.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Elk Grove hereby authorizes the City Manager, or his designee, to execute an amendment to the contract with Wood Rodgers, Inc. in the amount of \$169,225 for additional professional engineering services and to extend the contract termination date to December 31, 2008 for the Franklin Boulevard Widening Project (Contract Number C-04-167).

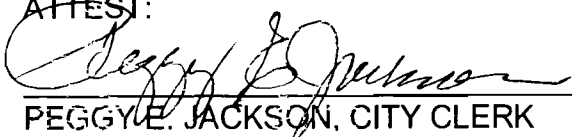
PASSED AND ADOPTED by the City Council of the City of Elk Grove this 10th day of January 2007.



JAMES COOPER, MAYOR of the
CITY OF ELK GROVE

APPROVED AS TO FORM:


ANTHONY B. MANZANETTI,
CITY ATTORNEY

ATTEST:


PEGGYE. JACKSON, CITY CLERK



AMENDMENT TO CONTRACT FOR

WOOD RODGERS, INC. – CONSULTANT

Engineering Services – Franklin Boulevard Widening Project

THIS AMENDMENT TO CONTRACT is made and entered into between City of Elk Grove, a Municipal Corporation (“City”) and Wood Rodgers, Inc., (“Consultant”), and hereby amends the agreement entered into between the parties on October 20, 2004 as contract number C-04-167.

City and Consultant agree to change paragraphs 1.D. and 4.A., in their entirety, to read as follows:

1.D. TERM. Except as provided in Section 6 and 19, below, this Contract shall terminate no later than December 31, 2008.

4.A. TERMS. Additional Compensation to the Consultant shall be as set forth in Exhibit B attached hereto and made a part hereof. Total compensation to Consultant shall not exceed \$629,998.00 without the advance written consent of the City.

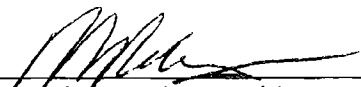
City and Consultant agree to amend Exhibit A and Exhibit B by adding the additional scope and costs without changing any other aspects of the existing Exhibit A and Exhibit B.



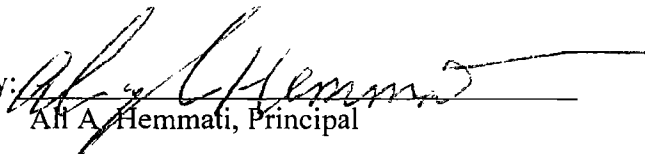
AGREED to this 11th day of December, 2006, by the parties as follows.

Approved as to form:

CONSULTANT



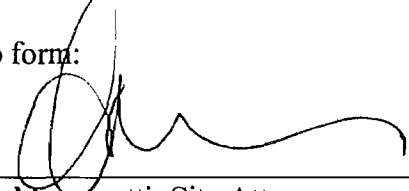
Mark Rodgers, Vice President

By: 

Ali A. Hemmati, Principal

Approved as to form:

CITY OF ELK GROVE

By: 

Anthony B. Manzanetti, City Attorney

By: _____
John H. Danielson, City Manager



EXHIBIT A

Additional Scope of Work

Since the inception of the original contract, significant events have transpired to cause the need for additional preliminary engineering, cost estimating, field surveys, environmental support, meeting attendance, project management, project administration, traffic studies, right-of way engineering, and final design. Consequently, the engineering costs have increased for the following reasons:

- Ongoing discussions with U. S. Fish and Wildlife Services, U. S. Army Corps of Engineers and the U. S. Environmental Protection Agency regarding impacts to the Stone Lakes National Wildlife Refuge (SLNWR) dating back to December 2004.
- As a result of possible project impacts to the SLNWR several alternatives were developed to determine the least environmentally damaging practical alternative. The alternatives required significant engineering effort to develop and were used in the Clean Water Act Section 404 Individual Permit Application Package submitted to the U. S. Army Corps of Engineers.
- As a result of comments from the environmental agencies regarding the Section 404 Individual Permit Application and high mitigation cost associated with the proposed project; additional minimum impact alternatives require development.
- Allocate time for Wood Rodgers Inc. to complete addition traffic studies, engineering drawings, field surveys, right of way engineering and final design for the minimum alternatives study.
- Allocate time for Wood Rodgers to continue the environmental support and attendance at subsequent meetings.
- Due to all of the above cited extra activities, Wood Rodgers Inc. will be required to provide additional project management activities.

All of the above have contributed to additional services that were not budgeted for in the original Wood Rodgers Inc. contract.

Task 1 – Section 404 Permit – Alternatives Analysis

The U. S. Fish and Wildlife Services, U. S. Army Corps of Engineers and the U. S. Environmental Protection Agency required the City develop a detailed analysis of the least environmentally damaging practical alternative (LEDPA) for the widening of Franklin Boulevard.



This task will require evaluation of three new alternatives on the east side in addition to the detailed analysis that has already been performed for the original project to obtain concurrence of regulatory agencies on the project. Two of the alternatives will avoid impact to the environmental sensitive areas to the west, requiring construction of improvements over the existing Laguna South Channel, with the difference being that one alternative will bridge over a portion of this Channel and the other will bridge the entire width of the channel. Bridging over the Laguna South Channel may require raising the profile grade of the Franklin Blvd which may include the area at the intersection of Elk Grove Blvd. The third alternative would involve some impacts to the environmentally sensitive areas to the west within the existing City Right of way; thus requiring less acquisition from the properties to the east with minimal impact to the portion of existing Laguna South Channel paralleling eastside of Franklin Blvd. All three alternatives could potentially impact the intersections of Franklin Blvd with Elk Grove Blvd, Percheron Drive, Noriker Drive, Blossom Ridge Rd, and Poppy Ridge road and the approaches to these intersections and right of way acquisition from properties on the east side. Realignment of Franklin Blvd to the east will also require evaluation of constraints associated with proposed Raley's center at the southeast corner of Franklin Blvd and Elk Grove Blvd intersection, and Laguna South Channel as well as encroachment into the strip of land contiguous to the right of way which is preserved by the Regional Sanitation Districts for installation of their regional sewer facility at a later date.

Task 2 – Development of Minimum Impact Alternatives with the Long Term Benefit to Congestion Relief

After development of the LEDPA and analysis by the reviewing agencies, the likely minimum mitigation cost will be approximately \$2 million for the full 6-lane widening. As a result of the relatively high mitigation cost for the full 6-lane widening project, the City finds it prudent to analyze other alternatives that do not include the full widening. Analysis of the minimum impact alternatives will include the determining the long range operational characteristics, geometry, environmental impacts, cost and feasibility of each.

Traffic Analysis

- Complete traffic operational analysis (using *Synchro* software) for a new widening alternative or option that considers a four-lane limited widening of Franklin Boulevard study segment.
- Prepare a traffic operations analysis technical memorandum (as an addendum to the original traffic operations analysis) summarizing the results and recommendations from the traffic analysis noted above.



Alternative Analysis

This effort involves revising existing striping plans on Franklin Blvd between Elk Grove Blvd and Poppy Ridge Road to reflect the lane configuration that was recently implemented by the City and evaluation of up to three alternatives for improvements to the north leg of the Franklin Blvd./Poppy Ridge Road intersection as described below. Currently, the southbound approach lane configuration (of the north leg) consists of 1 through lane and 2 left turn lanes with a 7' shoulder. Supplemental field surveys will be necessary to update existing base mapping to reflect the lane configuration that was recently implemented by the City.

Per City's direction, the improvements to the north leg of this intersection will include:

Alternative 1 – Full Widening:

The existing lane configuration will remain and the roadway will be widened to the west to accommodate two through lanes and dual left-turn lanes to Poppy Ridge Road on the southbound approach. The trapping of the #1 (inside) southbound lane into the left turn pocket will be removed.

Alternative 2 – Striping Reconfiguration:

The existing lane configuration will be reconfigured to provide the below-outlined lane configuration without any widening:

- i) North Leg (Southbound) Approach: 2 through lanes and 2 left lanes and shoulder
- ii) North Leg (Northbound) Departure: 2 through lanes and a bike lane
- iii) All other legs will retain their existing number of lanes, but they may be re-striped.

Alternative 3 – High "T" Intersection:

The existing lane configuration will remain. The westbound left turn movement (from the east leg) and the southbound movement (from the north leg) will be able to operate simultaneously (i.e. obtain green times simultaneously) with appropriate separation by a barrier or curb.

Each layout will be prepared on a full-size 40-scale drawing showing existing facilities screened and proposed improvements in bold. Signal, utility and drainage impacts will be noted, but the design of new facilities will not be provided.

Cost estimates of each alternative will be prepared.

Task 3 – Design of Selected Alternative

The initial schedule for the Franklin Boulevard Widening project was for construction to begin in the summer of 2005. The "65%" plans, specifications, and construction estimate were developed and delivered to the City of Elk Grove in March 2005. Significant modifications to the March



2005 alternative are required to minimize the environmental impacts yet still improve traffic flow. Therefore, the consultant will need to resubmit the following based on the selected alternative which is yet to be determined:

1. Geometric Approval Drawings

Based on the result of the revised traffic analysis and evaluation of the alternative studies at the intersection of Poppy Ridge Road with Franklin Blvd. noted above, Wood Rodgers will prepare a Conceptual Geometric Drawing, including layouts, profiles and typical cross-sections as necessary to obtain City's concurrence with the revised geometric design of the widening. Upon approval of the Geometric Layout of this revised improvements proposed by the City, Wood Rodgers will revise the Project Impact Area map for environmental studies as well as the PS&E for the widening improvement.

2. Utility Coordination

Wood Rodgers will reevaluate the impact of the revised improvements to the existing utilities near the intersection of Franklin Blvd with Elk Grove Blvd and coordinate with utility companies to relocate their impacted facilities.

3. Assistance with Environmental Document

Wood Rodgers will provide necessary additional necessary support to the City of Elk Grove staff to revise the Environmental Documentation for the project.

4. Right of Way Documents, Plats and Legal Descriptions

Wood Rodgers will revise the plat and legal description for right of way to be acquired for the construction of the project from the triangular parcel bounded by the Union Pacific tracks, west side of Franklin Boulevard, and south side of Elk Grove Boulevard.

5. Drainage Report

Wood Rodgers will prepare a revised Drainage Report summarizing the changes in drainage patterns and recommendations for roadway drainage improvements.

6. Roadway Design

Wood Rodgers will revise the construction drawings, special provisions, final construction cost estimate and obtain design approval.



7. Traffic Signal and Street Lighting Modifications

Wood Rodgers will revise the traffic signal modification plans for the intersections of Franklin Boulevard with Poppy Ridge Road and Elk Grove Boulevard.

8. Landscape Architectural Design

Wood Rodgers will prepare a revised landscape planting and irrigation design for the new Franklin Boulevard Widening project for City's concurrence prior to revising the detail construction drawings.

9. 65% Plans, Specifications and Estimate

Wood Rodgers Team will revise the previously completed detailed construction drawings for the project, which will include, but not necessarily be limited to, the following:

- Title Sheet
- Typical Cross Sections
- Plans and Profiles, with Drainage Design
- Signing & Striping Plans
- Stage Construction and Traffic Handling Plans
- Construction Details
- Traffic Signal Plans
- Interconnect Plans
- Street Lighting Plans
- Structures Plans and details
- Landscaping and Irrigation Plans and Details
- Drainage Details
- Cross Sections @ 50-foot Intervals (minimum)

Wood Rodgers will revise the itemized engineer's quantity and unit cost estimate for the project. Wood Rodgers will revise the technical special provisions for the project, to be incorporated into the contract specifications.

Task 4 – Project Management Activities

Wood Rodgers commenced work on this project in October of 2004 with the understanding that our work would be completed by September of 2005. The project schedule has extended significantly due to the constraints associated with the environmental impact of this project. It now appears that the project will be constructed in 2007. This extended project schedule will require additional time and effort from

City of Elk Grove
Wood Rodgers, Inc.
Re: Franklin Blvd. Widening Project
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Wood Rodgers staff to coordinate the work effort, monitor and direct work activities for the project.



EXHIBIT B

Additional Compensation and Method of Payment

(See Attached)

Under no circumstances will the aggregate amount paid under this Agreement exceed the amount specified in Section 4(A) above.

**CERTIFICATION
ELK GROVE CITY COUNCIL RESOLUTION NO. 2007-2**

STATE OF CALIFORNIA)
COUNTY OF SACRAMENTO) **ss**
CITY OF ELK GROVE)

I, Peggy E. Jackson, City Clerk of the City of Elk Grove, California, do hereby certify that the foregoing resolution was duly introduced, approved, and adopted by the City Council of the City of Elk Grove at a regular meeting of said Council held on January 10, 2007 by the following vote:

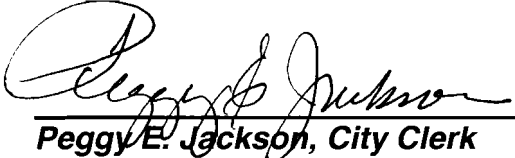
AYES : COUNCILMEMBERS: *Scherman, Cooper, Davis, Hume*

NOES: COUNCILMEMBERS: *None*

ABSTAIN : COUNCILMEMBERS: *None*

ABSENT: COUNCILMEMBERS: *Leary*





**Peggy E. Jackson, City Clerk
City of Elk Grove, California**