



Meeting Date: 04-03-07

ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info/Consent
<input type="checkbox"/> Ord. No(s). _____	<input type="checkbox"/> Report
<input type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing (Info/consent)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Ralph Alamillo *RA* Agenda Item No. I-7  
 Reviewed By: City Manager *JRB* City Attorney *Gillig* Finance *SW* Other NA

**DATE:** March 26, 2007

**TO:** City Council

**FROM:** Ken Ortega, Public Works Director *Ken Ortega*  
Public Works Department

**SUBJECT:** Fifth Amendment to Agreement with Parsons Transportation Group, Inc., for HWY 101/ Del Norte Boulevard Interchange

**RECOMMENDATION**

That City Council approve and authorize the Mayor to execute the Fifth Amendment to the Agreement with Parsons Transportation Group, Inc. to increase the amount by \$553,800 for a total of \$1,263,800 for the Geometric Approval Drawings (GADs) for the Preferred Alternative of the improvements for the U.S. Highway 101/Del Norte Boulevard Interchange project (Agreement No. 1438-02-PW).

**DISCUSSION**

The City hired Parsons Transportation Group, Inc. November 2004 to perform the Project Study Report/Project Development Support (PSR/PDS) and the Project Report and Environmental Document (PR/ED) for the U.S. Highway 101/Del Norte Boulevard Interchange Project. The latest amendment increases the scope of work and fees for additional time to complete the GADs for the completion of the PR/ED document.

**FINANCIAL IMPACT**

The request would increase the contract cost by \$553,800 for a total of \$1,263,800. There are sufficient funds in Account Nos. 354-3170-826-82.01 and 354-3170-826.82-09 Project No. 023113 to fund this request.

Attachment #1 - Fifth Amendment to Agreement No. 1438-02-PW

**000063**

## FIFTH AMENDMENT TO AGREEMENT FOR CONSULTING SERVICES

This Fifth Amendment to Agreement for Consulting Services ("Fifth Amendment"), entered into this 22nd day of January, 2007 amends that certain Agreement for Consulting Services ("the Agreement"), entered into on November 11, 2004, by and between the City of Oxnard ("City") and Parsons Transportation Group, Inc. ("Consultant"), as amended by the First, Second, Third and Fourth Amendments thereto.

City and Consultant agree that the Agreement is amended as follows:

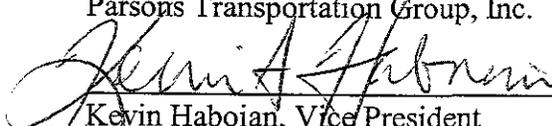
1. The term of the Agreement is extended to January 1, 2009.
2. Exhibits A, A-1, A-2, A-3 and A-4 of the Agreement Scope of Services are supplemented by Exhibit A-5 for GADs, attached hereto and incorporated herein by reference.
3. In Section 14 of the Agreement, the figure "\$710,000" is deleted and replaced with the figure "\$1,263,800". This reflects an additional \$553,800 charge to cover the cost of the services described in Exhibit C-5, Pages 1 - 3.
4. Exhibit B-5, "Schedule" is attached hereto and incorporated herein by reference.
5. Except as amended by this Fifth Amendment, the Agreement as amended by the First through Fourth Amendments remains in full force and effect.

CITY OF OXNARD

CONSULTANT

Parsons Transportation Group, Inc.

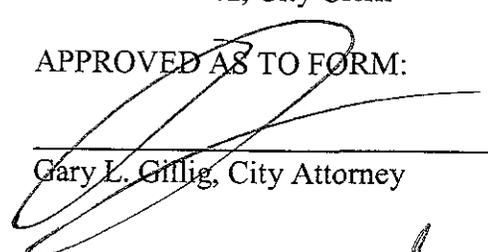
\_\_\_\_\_  
Dr. Thomas E. Holden, Mayor

  
\_\_\_\_\_  
Kevin Haboian, Vice President  
Parsons Transportation Group, Inc.

ATTEST:

\_\_\_\_\_  
Daniel Martinez, City Clerk

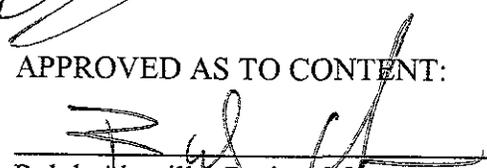
APPROVED AS TO FORM:

  
\_\_\_\_\_  
Gary L. Gillig, City Attorney

APPROVED AS TO INSURANCE:

  
\_\_\_\_\_  
Susan Winder, Interim Risk Manager

APPROVED AS TO CONTENT:

  
\_\_\_\_\_  
Ralph Alamillo, Project Manager

000064

Attachment

4

Page

1 of 10

**EXHIBIT A-5**  
**SCOPE OF SERVICES**  
**FOR**  
**AMENDMENT No. 5**  
**TO CITY AGREEMENT No. 3288-04-PW**  
**GEOMETRIC APPROVAL DRAWINGS – PHASE 2 OF PROJECT REPORT**  
**U.S. 101/DEL NORTE BOULEVARD INTERCHANGE**

**January 15, 2007**

Exhibit A-5  
Scope of Services for  
Amendment No. 5 to City Agreement No. 3288-04-PW  
U.S. 101/Del Norte Boulevard Interchange  
Page 1 of 6

**000065**

Attachment 1  
Page 2 of 10

## SCOPE OF SERVICES FOR AMENDMENT No. 5

**General Description of Required Services** – Parsons Transportation Group (hereinafter referred to as Consultant) will prepare the Geometric Approval Drawings (GADs) for the preferred Alternative of the improvements to the U.S. 101/Del Norte Boulevard Interchange (Project). The approval of the GADs is the final step in the Project Approval/Environmental Document (PA/ED) phase of the Project. GADs will be prepared for Alternative No. 4 – Modified Loop Ramp (Preferred) alternative of the Project Report.

The GADs determine if the proposed design alignment meets Caltrans minimum design standards and it formally confirms that the design meets the operational needs of the interchange.

The extension of the existing 30" water line from Ventura Boulevard to the south side of the US 101 freeway will be accommodated into the GADs. Consultant will submit the updated construction cost estimate to the City Project Manager upon completion of the GADs. The construction cost estimate will be in the format presented in the Project Report.

### MILESTONE 1 – PROJECT MANAGEMENT

#### 1.01 Coordination/Monitor Design

Consultant's Project Manager will conduct weekly meetings with the consultant's design staff to discuss the progress of the work and to monitor the design.

#### 1.02 Prepare for and Attend Trend Meetings with Caltrans and City/Minutes

Consultant's Project Manager will hold meetings with City, Caltrans, and other interested parties. Minutes of trend meetings will be prepared by Consultant and will be distributed to attendees and to the City within five working days. Consultant will make available, for review, the minutes of each meeting, at each succeeding meeting.

#### 1.03 Meetings with Caltrans Functional Units

Consultant's Project Manager will hold meetings with Caltrans functional units as often as necessary to discuss technical issues and to facilitate the progress of the work, review comments and to discuss technical issues covered by the Trend meetings. Minutes of design meetings will be prepared by Consultant and will be distributed to attendees and to the City within five working days.

#### 1.04 Design Progress Meetings

Consultant's Project Manager will conduct weekly meetings with its subconsultants and consultant's staff to discuss the progress of the work and to monitor the design.

#### 1.05 Prepare/Circulate correspondence

Copies of all correspondence received from Caltrans, or any other agency, will be forwarded to the City within five days of receipt. In addition, five days prior to sending correspondence to another agency for review, a copy will be provided to the City.

### **1.06 Maintain Master Design Schedule**

Consultant will maintain the project schedule and will report the progress of the work to the City on a monthly basis. The status of project tasks derived from the Master Schedule and agreed to by the City will be referenced to the original planned date, forecast date and actual date.

### **1.07 Maintain Project Files**

Consultant will maintain project files that are indexed in accordance with Caltrans' Project Development Uniform File System. All correspondence will be filed and copies submitted to the City for review. At the completion of the contract, all project files and correspondence will be turned over to the City.

### **1.08 Subconsultant Coordination and Administration**

Consultant will prepare subconsultant agreements and will coordinate the necessary approvals. Consultant will monitor the progress of the subconsultant work; will provide quality assurance; and will process all subconsultant invoices for payment.

### **1.09 Progress Reports/Invoices/Reporting**

On a monthly basis, Consultant will prepare and submit to the City a monthly progress report, indicating the progress achieved, to the task level, during the period. The report will summarize the actual progress compared with the estimated progress and will identify problem areas, provide evaluations, recommendations, and an outline on the process, which Consultant and the City will follow to rectify the problem(s). The progress report will be submitted with the monthly invoice. Consultant will also submit weekly progress reports to the City Project Manager on the status of the work accomplished during the week.

## **MILESTONE 2 – GEOMETRIC APPROVAL DRAWINGS (GADs)**

Consultant will develop the vertical and horizontal alignments and geometry for the proposed interchange geometry. The first step will include a work session with Caltrans staff to review the geometrics developed for the 2007 Project Report. Parsons will perform calculations required to prepare the geometric design.

The GADs will be prepared accordance with Caltrans standards as described in Chapter 200 of the Highway Design Manual and per the Caltrans GAD Guidelines. Traffic volumes developed as described in Task 2.02, will be utilized. The GAD's will be prepared in English units.

### **2.01 Field Surveys (by Opdahl Surveying)**

Subconsultant will perform the following:

- Obtain a Caltrans Encroachment Permit from Caltrans District 7.
- Perform design surveys in the field on local streets (Del Norte Blvd., Ventura Blvd., Camino Avenue, and Trabajo Dr.), cross-sectioning every 50 feet and locating topographic features needed for design of the project.

000067

- Perform design surveys in the field on freeway ramps (NB off-ramp, NB on-ramp, SB off-ramp, SB on-ramp), cross-sectioning every 50 feet and locating topographic features needed for design of the project.
- Perform design surveys in the field on the edge of the freeway (ETW, EP), cross-sectioning every 50 feet and locating topographic features needed for design of the project.
- Perform design surveys in the field on the freeway median (ETW, EP, K-rail, K-rail, EP, ETW), cross-sectioning every 50 feet and locating topographic features needed for design of the project.
- Locate various drainage devices within the freeway right of way.
- Determine the location of the existing right of way.
- Prepare an ASCII text .txt file of all the survey points with point number, X, Y, Z and descriptor.

### **2.02 Forecasting Data/Operational Analysis**

The analysis will include forecasting traffic volumes for the project study area for the year 2030. Forecast traffic volumes will be developed for the freeway mainline, the Del Norte Boulevard ramps, and the intersections at the adjacent roads.

Because of the proximity of the two signalized intersections in the study area, traffic signal coordination will be essential to the provision of acceptable traffic operations in the study area. Minimizing the potential for queuing at a ramp intersection to back onto the freeway mainline is critical to safe operations on the freeway. Similarly, minimizing the potential for queuing at the adjacent roads from backing into upstream intersections is essential for acceptable traffic operations. Parsons will utilize the Synchro software to analyze traffic signal coordination and queuing for the future Build condition. Time-space diagrams will be developed for the future Build condition.

### **2.03 Digital Terrain Model**

Consultant will prepare a Digital Terrain model of the interchange including all local streets and other features within the footprint of the project. The Digital Terrain Model will include the existing conditions and the proposed improvements.

### **2.04 Earthwork Cross Sections and Calculations**

Consultant will develop earthwork cross sections at 50' intervals. Calculations will be performed to estimate the amount of excavation and imported borrow required for the construction of the project.

### **2.05 Finalize Preferred Alternative (Alternative 4-Modified Loop Ramp) Geometry**

Consultant will incorporate design features required to eliminate the northbound on-ramp and realignment of Ventura Boulevard. The geometry for the modified alternative 4 will be finalized.

**000068**

Amendment 1  
 Page 5 of 10

**2.15 Mandatory Design Exceptions**

Additional Mandatory Design Exceptions resulting from the preparation of the GADs will be identified. A request for approval of the Mandatory design exceptions will be prepared and submitted to Caltrans for review and approval.

**2.16 Advisory Design Exceptions**

Additional Advisory Design Exceptions resulting from the preparation of the GADs will be identified. A request for approval of the advisory design exceptions will be prepared and submitted to Caltrans for review and approval.

**2.17 Construction Cost Estimate Update**

Consultant will update the construction cost estimate prepared for the Project Report. The construction cost estimate will be prepared using the same format of the Project Report. Cross sections prepared for the GADs will be used to refine the construction cost of the project.

**2.18 Quality Control**

Consultant will perform quality control reviews to ensure accuracy of plans, calculations, reports and other documents throughout the duration of the project, including prior to all milestone submittals. Consultant will document and file all QA/QC reviews, marked clearly as being fully checked per Consultant's Quality Control Plan.

**2.19 Submittal Preparation**

Consultant will assembled all required documents and will make the necessary copies required by Caltrans and the City for review and approval.

**Exhibit C-5**  
**Amendment No. 5 to City Agreement No. 3288-04-PW**  
**Milestones Description**  
 January 15, 2007

Milestone Description	Payment to Consultant	Amendment No. 1	Amendment No. 2	Amendment No. 3	Amendment No. 4	Amendment No. 5	Revised Payment to Consultant
Milestone 1 Project Management (PSR/PDS)	\$22,000						\$22,000
Milestone 2 PSR/PDS and Initial Studies	\$183,000	\$8,000	\$12,000				\$203,000
Milestone 3 Project Management (PR/ED)	\$29,000				\$10,000		\$39,000
Milestone 4 Project Report/Environmental Document	\$361,000			\$85,000			\$446,000
Milestone 5 Project Report/Environmental Document Phase 2	\$0					\$553,800	\$553,800
<b>TOTAL</b>	\$595,000	\$8,000	\$12,000	\$85,000	\$10,000	\$553,800	\$1,263,800

- Amendment No. 1 Design Unit Conversion
- Amendment No. 2 Bridge Review
- Amendment No. 3 EIR/EA
- Amendment No. 4 Revise Ramp Geometrics
- Amendment No. 5 Prepare Geometric Approval Drawings (GADs)

000070

## EXHIBIT C-5

### GEOMETRIC APPROVAL DRAWINGS (GADs) US 101/DEL NORTE BOULEVARD INTERCHANGE

January 15, 2007

#### I. DIRECT SALARY COSTS

Personnel Category	Average Rate	Hours	Total
Project Manager	\$79.96	218	\$17,431.28
Senior Project Engineer	\$63.00	994	\$62,622.00
Project Engineer	\$54.50	852	\$46,434.00
Engineer/Designer	\$46.10	538	\$24,801.80
Drafter/Technician	\$36.75	492	\$18,081.00
Clerical	\$29.00	152	\$4,408.00

Subtotal 3,246 \$173,778.08 (1)

#### II. INDIRECT RATE

INDIRECT RATE 137.00 % x \$ 173,778.08 = Subtotal \$ 238,075.97 (2)  
Subtotal (1)

#### III. FIXED FEE

10 % x \$ 411,854.05 = Subtotal \$ 41,185.40 (3)  
Total (1) + (2)

#### IV. OTHER DIRECT COSTS

Item	Amount
Travel/Mileage	1,920.55
Plots/Reproduction/Photos/Commercial Printing	8,500.00
Postage/Shipping/Courier/Miscellaneous Printing	2,500.00
Exhibits/Photos	1,000.00

Subtotal \$ 13,920.55 (4)

#### V. SUBCONTRACTOR'S COSTS

Opdahl Surveying 86,840.00  
Subtotal \$ 86,840.00 (5)

#### VI. TOTAL AMOUNT

Total \$ 553,800 (Total 1-5)

000071

**EXHIBIT C-5  
GEOMETRIC APPROVAL DRAWINGS (GADs)  
US 101/DEL NORTE BOULEVARD INTERCHANGE**

January 15, 2007

TASK	DESCRIPTION	Project Manager	Sr Project Engineer	Project Engineer	Engineer Designer	Drafter Technician	Clerical	Total	Total
<b>MILESTONE 1 - PROJECT MANAGEMENT</b>									
1.01	Coordination/Monitor Design	40	60					100	\$18,192.69
1.02	Prepare for and Attend Trend Meetings with Caltrans and City/Minutes	16	24	28			16	84	\$12,465.01
1.03	Meetings with Caltrans Functional Units	24	24	24				72	\$12,354.68
1.04	Design Progress Meetings	24	24	20			24	68	\$11,786.35
1.05	Prepare/circulate correspondence	24						48	\$6,817.41
1.06	Maintain Master Design Schedule	16	16					32	\$5,963.15
1.07	Maintain Project Files		12					44	\$4,390.19
1.08	Subconsultant Coordination and Administration	16	24					80	\$10,301.20
1.09	Progress Report/Invoices/Reporting	18						38	\$5,264.26

TASK	DESCRIPTION	Project Manager	Sr Project Engineer	Project Engineer	Engineer Designer	Drafter Technician	Clerical	Total	Total
<b>MILESTONE 2 - GEOMETRIC APPROVAL DRAWINGS (GADs)</b>									
2.01	Field Surveys (by Opdahl Surveying)		40	80				140	\$86,840.00
2.02	Forecasting Data/Operational Analysis	20	60		80	40		180	\$22,105.27
2.03	Digital Terrain Model		40	60	40	40		180	\$23,301.37
2.04	Earthwork Cross Sections and calculations		60	40	40			140	\$23,734.13
2.05	Finalize Preferred Alternative (Alternative 4) Geometry		80	60	40			180	\$20,345.03
2.06	Geometric Calculations		40		34			74	\$26,471.48
2.07	Title Sheet		40	32	40	72		184	\$10,655.85
2.08	Typical Sections		120	142	80	120		462	\$22,821.68
2.09	Layout Plans		40	80	20	80		220	\$60,995.98
2.10	Profiles		20	32	40	80		172	\$28,004.39
2.11	Superlevation Diagrams		20	40		20		80	\$20,303.32
2.12	Right-of-Way Limits		40	60	40	20		160	\$10,884.23
2.13	Bridge General Plan		78	60	20	20		158	\$21,817.98
2.14	Bridge Calculations		36	30	20			86	\$23,739.34
2.15	Mandatory Design Exceptions		24	24	24			72	\$12,578.78
2.16	Advisory Design Exceptions		20	20	20			60	\$10,236.12
2.17	Construction Cost Estimate Update		32	40		20		92	\$5,688.47
2.18	Quality Control	20						112	\$17,024.23
2.19	Submittal Preparation		20				20	40	\$4,796.88
	Other Direct Costs								\$13,920.55
<b>TOTAL</b>								<b>3,246</b>	<b>\$553,800.00</b>

S:\OPEN\_JOBS\616288 - Del Norte\AMENDMENTS\Amendment No. 5\Cost Proposal\GADs Jan 15-08 Revised1.xls\hours

000072

1  
9 of 10

**EXHIBIT B-5**

**SCHEDULE**

**FOR  
GEOMETRIC APPROVAL DRAWINGS (GADs)**

**U.S. 101/DEL NORTE BOULEVARD INTERCHANGE**

**City of Oxnard**

January 15, 2007

	<u>Weeks</u>	<u>Cumulative Weeks</u>
Notice-to-Proceed	0	0
Caltrans Encroachment Permit	3	3
Meeting with Caltrans Inspector	1	4
Field Surveys	6	10
Geometry Calculations	2	12
Prepare Layouts/Profiles	6	18
Cross Sections/Quantities/Estimates	2	20
Caltrans/City Review	3	23
Final GADs/Fact Sheets	4	27
Caltrans/City Review	3	30
Final GADs	2	32
Approved GADs	2	34

**000073**