

**CAMINO REAL REGIONAL MOBILITY AUTHORITY  
BOARD RESOLUTION**

**WHEREAS**, the Camino Real Regional Mobility Authority (CRRMA) and AECOM (Engineer) entered into a Contract for Engineering Services (Contract) in order for the Engineer to provide various design services for plans, specifications and estimates (PS&E) to the CRRMA as may be required for the 2013 County Mobility Projects;

**WHEREAS**, the CRRMA and the Engineer executed a work authorization pursuant to the Contract in order for the Engineer to provide PS&E for the Vista Del Sol Drive Project (the Project);

**WHEREAS**, the County of El Paso (County) has requested additional ROW mapping and traffic control design services of the Engineer for the Project, which were not originally contemplated as part of the Project;

**WHEREAS**, the County has agreed that the scope and additional fee proposed for the additional work is within the scope and budget of the interlocal agreement between the County and the CRRMA; and

**WHEREAS**, the CRRMA and the Engineer now desire to supplement the work authorization for the additional services referenced above.

**NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:**

**THAT** the Executive Director be authorized to execute **Supplemental Work Authorization 1** with AECOM, including any additional documents or materials as may be required, for the addition of ROW mapping and traffic control services for the Vista Del Sol Drive Project.

**PASSED AND APPROVED THIS 31<sup>ST</sup> DAY OF AUGUST, 2016.**

**CAMINO REAL REGIONAL  
MOBILITY AUTHORITY**

**ATTEST:**

\_\_\_\_\_  
Susan A. Melendez, Chair

\_\_\_\_\_  
Joe R. Fernandez, Board Secretary

**APPROVED AS TO CONTENT:**

\_\_\_\_\_  
Raymond L. Telles Executive Director

**SUPPLEMENTAL WORK AUTHORIZATION NO. 1**

**WORK AUTHORIZATION NO. 1  
CONTRACT FOR ENGINEERING SERVICES**

**THIS SUPPLEMENTAL WORK AUTHORIZATION** is made pursuant to the terms and conditions of Article 5 of the Contract for Engineering Services hereinafter identified as the "Contract," entered into by and between the CAMINO REAL REGIONAL MOBILITY AUTHORITY (the "CRRMA"), and AECOM (the "Engineer").

The terms and conditions of Work Authorization No. 1 are hereby amended by this Supplemental Work Authorization No. 1, including Exhibit B-1, which is attached hereto and incorporated herein for all purposes.

This Supplemental Work Authorization No. 1 shall become effective on the date of final execution of the Parties hereto. All other terms and conditions of Work Authorization No. 1 not hereby amended are to remain in full force and effect.

**IN WITNESS WHEREOF**, this Supplemental Work Authorization is executed in duplicate counterparts and hereby accepted and acknowledged below.

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

By: \_\_\_\_\_

Raymond L. Telles  
Executive Director

Date: \_\_\_\_\_

**AECOM**

By: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Exhibit B-1**

### **ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER**

#### **I. TRAFFIC CONTROL PLAN, EASEMENTS, STAKEHOLDER COORDINATION, UTILITY COORDINATION & PROJECT MANAGEMENT**

This scope outlines services to provide:

1. Additional easements and revised ROW mapping to account for unanticipated construction easements. The easement mapping will include maps as requested by the County of El Paso, similar to easement mapping used on the Mission Ridge project. The revised ROW mapping will include the new construction and access easements.

The Engineer shall also:

- i. Review draft easement documents prepared by subcontractor, and;
- ii. Forward final easement documents to the County of El Paso Public Works for filing and use by the respective property owners.

2. Revised traffic control plans to coordinate with an alternate detour route on Windermere Road (designed by others) that will be established for utility construction. The revised traffic control plan will eliminate two “shoo-fly” detours previously submitted during the design process. The traffic control plans will be phased to allow full width (four-lane) construction on Vista del Sol between Addison Street and Cherrington Street.

The traffic control plan will include updated plans, specifications, and cost estimate for the traffic control design. Refer to original scope of services for project information.

The Engineer shall also:

- i. Provide general management of revised changes to traffic control.
- ii. Review proposed traffic control plan.
- iii. Bundle new traffic control plan with bid documents.
- iv. Coordinate with design consultant for El Paso Water and Sewer Utilities on limits of road construction and incorporate bid item for Windermere detour (designed by others) in roadway bid form.
- v. Adjust quantities in bid form, cost estimate, quantity summary sheets.

3. Exhibits related to stakeholder coordination, updates to plans and specifications needed for utility coordination and project management duties relative to this work.

## **II. Assumptions:**

The Engineer will conform to the latest TxDOT Standards, Texas MUTCD, the PS&E Preparation Manual, and other applicable codes, ordinances, criteria, standards, regulations, policies, guidelines, practices and procedures.

## **III. Deliverables**

- 100% Submittals: The Engineer will provide additional easement mapping as described previously, and provide updated traffic control plans with electronic (pdf) 100% design documents for use in bid letting.
- Revised quantities / cost estimate for traffic control items.
- Updated specifications, general notes, special provisions, special specifications, if necessary.

<b>AECOM Vista del Sol</b>			
<b>Task</b>	<b>AECOM</b>	<b>ZWA Surveying</b>	<b>TRE</b>
A. Project Management	\$5,144.42	\$0.00	\$0.00
B. Surveying	\$0.00	\$0.00	\$0.00
C. Right-Of-Way Mapping	\$929.52	\$8,480.00	\$0.00
D. Geotechnical Investigations	\$0.00	\$0.00	\$0.00
E. Schematic Design	\$884.84	\$0.00	\$0.00
F. Drainage Study	\$0.00	\$0.00	\$0.00
G. Stakeholder Coordination	\$2,715.76	\$0.00	\$0.00
H. Plans, Specifications and Estimates (PS&E)	\$9,764.11	\$0.00	\$7,228.41
I. Utility Coordination	\$0.00	\$0.00	\$0.00
<b>Sub Totals</b>	\$19,438.65	\$8,480.00	\$7,228.41
<b>Direct Expenses</b>	\$0.00	\$0.00	\$0.00
<b>Totals</b>	\$19,438.65	\$8,480.00	\$7,228.41
<b>Grand Total</b>	\$35,147.06		
Participation Percentage	55.31%	24.13%	20.57%

Task Description	SENIOR PROJECT MANAGER	SENIOR ENGINEER	DESIGN ENGINEER	EIT	ENGINEERING TECHNICIAN	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>A. Project Management</b>						31	\$ 5,144.42
2. Progress Reporting						10	\$ 1,804.92
2.1.4 Problems Encountered/Problem Remedies	6	4				10	\$ 1,804.92
3. Coordination/Administration						8	\$ 1,396.48
3.3 Coordinate with CRRMA GEC Staff	4	4				8	\$ 1,396.48
3.4 Compile and Maintain a Comprehensive Administrative Record						0	\$ -
5. Subconsultant Management						13	\$ 1,943.02
5.3 Monitor Subconsultant Activities (staff and schedule)	1	12				13	\$ 1,943.02
<b>HOURS SUB-TOTALS</b>	11	20	0	0	0	31	
<b>CONTRACT RATE PER HOUR</b>	\$204.22	\$144.90	\$109.38	\$76.31	\$90.23		
<b>TOTAL LABOR COSTS</b>	\$2,246.42	\$2,898.00	\$0.00	\$0.00	\$0.00	\$5,144.42	
<b>% DISTRIBUTION OF STAFF HOURS</b>	35.48%	64.52%	0.00%	0.00%	0.00%		
<b>C. Right-of-Way Mapping</b>						8	\$ 929.52
1. Perform Right-of-Way Survey						4	\$ 579.60
1.3 Determine easements		4				4	\$ 579.60
Deliverables						4	\$ 349.92
1. ROW Maps				4		4	\$ 349.92
<b>HOURS SUB-TOTALS</b>	0	4	0	4	0	8	
<b>CONTRACT RATE PER HOUR</b>	\$204.22	\$144.90	\$111.61	\$87.48	\$90.50		
<b>TOTAL LABOR COSTS</b>	\$0.00	\$579.60	\$0.00	\$349.92	\$0.00	\$929.52	
<b>% DISTRIBUTION OF STAFF HOURS</b>	0.00%	50.00%	0.00%	50.00%	0.00%		
<b>E. Schematic Design</b>						8	\$ 884.84
4. Other Items						8	\$ 884.84
4.1.2 ROW		4		4		8	\$ 884.84
<b>HOURS SUB-TOTALS</b>	0	4	0	4	0	8	
<b>CONTRACT RATE PER HOUR</b>	\$204.22	\$144.90	\$109.38	\$76.31	\$90.23		
<b>TOTAL LABOR COSTS</b>	\$0.00	\$579.60	\$0.00	\$305.24	\$0.00	\$884.84	
<b>% DISTRIBUTION OF STAFF HOURS</b>	0.00%	50.00%	0.00%	50.00%	0.00%		
<b>G. Stakeholder Coordination</b>						24	\$ 2,715.76
1. Stakeholder Involvement Activities						12	\$ 1,459.54
1.4 Facilitate meetings	0	2				2	\$ 289.80
1.6 Produce graphic materials to promote and educate stakeholders about the project			4	2		6	\$ 590.14
1.7 Monitor and review comments received		2				2	\$ 289.80
1.9 Prepare Meeting Summary, including a response to comments received		2				2	\$ 289.80
Deliverables						12	\$ 1,256.22
3. Meeting Material		4	2	6		12	\$ 1,256.22
<b>HOURS SUB-TOTALS</b>	0	10	6	8	0	24	
<b>CONTRACT RATE PER HOUR</b>	\$204.22	\$144.90	\$109.38	\$76.31	\$90.23		
<b>TOTAL LABOR COSTS</b>	\$0.00	\$1,449.00	\$656.28	\$610.48	\$0.00	\$2,715.76	
<b>% DISTRIBUTION OF STAFF HOURS</b>	0.00%	41.67%	25.00%	33.33%	0.00%		
<b>H. Plans, Specifications and Estimates (PS&amp;E)</b>						91	\$ 9,764.11
1. Update Information						4	\$ 360.92
1.1 Update traffic data, ROW maps, and other information					4	4	\$ 360.92
2. Design Criteria						3	\$ 494.02
2.1 Complete Design Summary Report	1	2				3	\$ 494.02
4. Utility Coordination						5	\$ 381.55
4.2 Minimization of utility conflicts with the proposed design				4		4	\$ 305.24
4.3 Coordination with utilities to develop relocation plans				1		1	\$ 76.31
5. Roadway Design						8	\$ 610.48
5.2 Develop cross-sections and earthwork volumes				2		2	\$ 152.62
5.3 Detail Design Elements						0	\$ -
5.3.1 Illumination (Continuous)				2		2	\$ 152.62
5.3.2 Driveway Access				2		2	\$ 152.62
5.3.3 Bicycle and pedestrian facilities				2		2	\$ 152.62
8. Traffic Control						9	\$ 1,304.10
8.2.2 Detour Plans		4				4	\$ 579.60
8.2.3 Traffic Control Plans		4				4	\$ 579.60
8.2.4 General Note Guidelines for Contractor		1				1	\$ 144.90
10. Final Assembly of PS&E Package						42	\$ 4,615.98
10.1 Complete final construction plans	1	1		4	8	14	\$ 1,376.20
10.2 Develop standard and special specifications	0	2		0		2	\$ 289.80
10.4 Develop cost estimate		1		4		5	\$ 450.14
10.5 Develop bid document package	1	6		4	6	17	\$ 1,920.24
10.6 Support CCRMA's development of project agreements related to the Project	0	4				4	\$ 579.60
Deliverables						20	\$ 1,997.06
6. Plans estimate		1		4		5	\$ 450.14
7. Specification list, general notes, special provisions, specifications, special specification		2		2		4	\$ 442.42
9. Bid document package	1	2		8		11	\$ 1,104.50
<b>HOURS SUB-TOTALS</b>	4	30	0	39	18	91	
<b>CONTRACT RATE PER HOUR</b>	\$204.22	\$144.90	\$109.38	\$76.31	\$90.23		
<b>TOTAL LABOR COSTS</b>	\$816.88	\$4,347.00	\$0.00	\$2,976.09	\$1,624.14	\$9,764.11	
<b>% DISTRIBUTION OF STAFF HOURS</b>	4.40%	32.97%	0.00%	42.86%	19.78%		
<b>TOTAL PROJECT HOURS</b>	15	68	6	55	18	162	\$ 19,438.65
<b>PROJECT TOTALS</b>	\$3,063.30	\$9,853.20	\$656.28	\$4,241.73	\$1,624.14	\$19,438.65	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	9.26%	41.98%	3.70%	33.95%	11.11%		

**ZWA Surveying  
Vista del Sol**

Task Description	SURVEY PROJECT MANAGER	REGISTERED PROFESSIONAL LAND SURVEYOR	SURVEY TECHNICIAN	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>C. Right-of-Way Mapping</b>				96	\$ 8,480.00
1. Perform Right-of-Way Survey				86	\$ 7,580.00
1.3 Determine easements		14	72	86	\$ 7,580.00
Deliverables				10	\$ 900.00
1. ROW Maps		2	8	10	\$ 900.00
<b>HOURS SUB-TOTALS</b>	<b>0</b>	<b>16</b>	<b>80</b>	<b>96</b>	
<b>CONTRACT RATE PER HOUR</b>	<b>\$140.00</b>	<b>\$130.00</b>	<b>\$80.00</b>		
<b>TOTAL LABOR COSTS</b>	<b>\$0.00</b>	<b>\$2,080.00</b>	<b>\$6,400.00</b>	<b>\$8,480.00</b>	
<b>% DISTRIBUTION OF STAFF HOURS</b>	<b>0.00%</b>	<b>16.67%</b>	<b>83.33%</b>		
<b>TOTAL PROJECT HOURS</b>	<b>0</b>	<b>16</b>	<b>80</b>	<b>96</b>	
<b>PROJECT TOTALS</b>	<b>\$0.00</b>	<b>\$2,080.00</b>	<b>\$6,400.00</b>	<b>\$8,480.00</b>	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	<b>0.00%</b>	<b>16.67%</b>	<b>83.33%</b>		

**TRE  
Vista del Sol**

Task Description	SENIOR PROJECT MANAGER	DESIGN ENGINEER	EIT	CADD OPERATOR	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>H. Plans, Specifications and Estimates (PS&amp;E)</b>					82	\$ 7,228.41
1. Update Information					0	\$ -
2. Design Criteria					0	\$ -
3. Initial Design					0	\$ -
4. Utility Coordination					0	
5. Roadway Design					0	\$ -
6. Operational Design					0	\$ -
7. Drainage Design					0	\$ -
8. Traffic Control					60	\$ 5,313.21
8.1 Attend meetings to present and discuss the proposed construction sequence and TCP	4	0			4	\$ 774.48
8.2 Prepare traffic control drawings					0	\$ -
8.2.1 Line Diagrams					0	\$ -
8.2.2 Detour Plans	1	2	2	8	13	\$ 1,057.34
8.2.3 Traffic Control Plans	1	4	16	8	29	\$ 2,314.14
8.2.4 General Note Guidelines for Contractor	1	2	0	4	7	\$ 661.32
8.3 Compile TxDOT TCP Details/Standards		1	2	4	7	\$ 505.93
9. Storm Water Pollution Prevention Plan (SW3P)					0	\$ -
10. Final Assembly of PS&E Package					22	\$ 1,915.20
10.4 Develop cost estimate	2	4	8	8	22	\$ 1,915.20
11. ADA Compliance Services					0	\$ -
12. Bid Assistance					0	\$ -
Deliverables					0	\$ -
<b>HOURS SUB-TOTALS</b>	<b>9</b>	<b>13</b>	<b>28</b>	<b>32</b>	<b>82</b>	
<b>CONTRACT RATE PER HOUR</b>	<b>\$193.62</b>	<b>\$109.91</b>	<b>\$74.07</b>	<b>\$61.97</b>		
<b>TOTAL LABOR COSTS</b>	<b>\$1,742.58</b>	<b>\$1,428.83</b>	<b>\$2,073.96</b>	<b>\$1,983.04</b>	<b>\$7,228.41</b>	
<b>% DISTRIBUTION OF STAFF HOURS</b>	<b>10.98%</b>	<b>15.85%</b>	<b>34.15%</b>	<b>39.02%</b>		
<b>TOTAL PROJECT HOURS</b>	<b>9</b>	<b>13</b>	<b>28</b>	<b>32</b>	<b>82</b>	
<b>PROJECT TOTALS</b>	<b>\$1,742.58</b>	<b>\$1,428.83</b>	<b>\$2,073.96</b>	<b>\$1,983.04</b>	<b>\$7,228.41</b>	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	<b>10.98%</b>	<b>15.85%</b>	<b>34.15%</b>	<b>39.02%</b>		