

# **CAMINO REAL REGIONAL MOBILITY AUTHORITY BOARD RESOLUTION**

**WHEREAS**, the Camino Real Regional Mobility Authority (CRRMA) has partnered with the Texas Department of Transportation (TxDOT) for the development of the Americas Managed Lanes Project and the State Loop 375 Frontage Road Ramps Project, whereby the CRRMA agreed to provide the environmental and preliminary engineering services for such projects; and

**WHEREAS**, the CRRMA entered into Work Authorization No. 2 with AECOM for the preparation of schematic, environmental document and Plans, Specifications and Estimates for the State Loop 375 Frontage Road Ramps Project, which was subsequently revised by two separate amendments; and

**WHEREAS**, TxDOT has requested that AECOM, as the engineer of record for the Frontage Road Ramps Project, provide certain design services during construction and the CRRMA and AECOM now desire to amend Work Authorization No. 2 to incorporate such additional design services into such work authorization.

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

**THAT** the Executive Director be authorized to execute Amendment No. 3 to Work Authorization No. 2 with AECOM, including any additional documents or materials as may be required, in relation to the provision of design services during construction of the State Loop 375 Frontage Road Ramps Project.

**PASSED AND APPROVED THIS 13<sup>TH</sup> DAY OF FEBRUARY 2019.**

**CAMINO REAL REGIONAL  
MOBILITY AUTHORITY**

**ATTEST:**

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

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

**APPROVED AS TO CONTENT:**

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

**AMENDMENT NO. 3**

**WORK AUTHORIZATION NO. 2  
CONTRACT FOR ENGINEERING SERVICES**

**THIS AMENDMENT NO. 3** is made pursuant to the terms and conditions of Article 5 of the Contract for Engineering Services dated August 18, 2015 (the “Contract”) entered into by and between the CAMINO REAL REGIONAL MOBILITY AUTHORITY (the “CRRMA”) and AECOM (the “Engineer”).

This Amendment No. 2 seeks to amend Work Authorization No. 2 dated September 13, 2017, which was revised by Amendment No. 1 dated August 21, 2018 and Amendment No. 2 dated \_\_\_\_\_, 2019. The Work Authorization and subsequent amendments were executed by and between the parties pursuant to the Contract for the development of the project known as State Loop (SL) 375 Frontage Rd Ramps Project, along SL 375 from Zaragoza POE to North Loop (FM 76).

The terms and conditions of Work Authorization No. 2, as revised by Amendment No. 1 and Amendment No. 2, are hereby further revised to: (1) supplement the services identified as Exhibit B-1 and Exhibit B-2 with the additional services identified herein as Exhibit B-3; and (2) supplement the fees to be paid to AECOM through the additional fee schedule attached hereto as Exhibit D-2. Both Exhibit B-3 and Exhibit D-2 are attached hereto and incorporated herein for all purposes. The maximum amount payable to AECOM under Work Authorization No. 2 through this Amendment No. 3 is **\$3,091,898.58**.

This Amendment No. 3 shall become effective on the date of final execution of the parties hereto. All other terms and conditions of Work Authorization No. 2, as amended, not hereby revised are to remain in full force and effect.

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

**AECOM**

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

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

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

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

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

Raymond L. Telles  
Executive Director

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

## EXHIBIT B-3

### SERVICES TO BE PROVIDED BY THE ENGINEER

#### I. PROJECT SUMMARY OF SUPPLEMENTAL SCOPE

Additional Professional Services will be provided by the Engineer for construction phases services (CPS).

#### II. SERVICES TO BE PROVIDED BY THE ENGINEER

The Scope of Services to be provided by the Engineer may include, but are not limited to the following key elements:

##### **CONSTRUCTION PHASE SERVICES (Function Code 309)**

The Engineer shall provide Construction Phase Services at the written request of the CRRMA/State's Project Manager. The written request shall include a description of the work requested, a mutually agreed upon time limit, a mutually agreed upon level of effort, a defined deliverable and any special instructions for coordination and submittal.

These services shall include, but are not limited to the following:

1. Attend preconstruction meeting
2. Attend partnering meeting
3. Attend field meetings and make visits to site (up to 4 in person with other meetings via WebEX)
4. Assist the CRRMA/State in preparing change orders
5. Review and approval of shop drawings
6. Responding to requests for information (RFIs) (up to 50)
7. Providing minor redesign which will include changes to affected plan sheets
8. Answering general questions and providing clarification
9. Other project related tasks in support of the CRRMA/State during construction

In the event that revisions are requested by the CRRMA/State, and the work is considered to be additional to that set forth on the original work authorization or scopes of work, the Engineer shall prepare a budget and a schedule for the additional work requested. The Engineer shall not commence work on a task prior to receiving written approval by the CRRMA/State.

#### **A. Project Management and Coordination.**

The Engineer, in association with the CRRMA/State's Project Manager shall be responsible for directing and coordinating all activities associated with the project to comply with CRRMA/State policies and procedures, and to deliver that work on time.

The Engineer shall coordinate all sub-consultant activity to include quality of and consistency of plans and administration of the invoices and monthly progress reports. The Engineer shall coordinate with necessary local entities.

The Engineer shall:

- Prepare monthly project invoices and written progress reports.
- Meet on a scheduled basis with the CRRMA/State to review project progress.
- Prepare/distribute meeting minutes.
- Prepare, distribute, and file both written and electronic correspondence.
- Document phone calls and conference calls as required during the project to coordinate the work for various team members.
- Perform QA/QC reviews of project deliverables.

### **1. Attend Preconstruction Meeting**

The Engineer shall attend preconstruction meeting.

### **2. Attend Partnering Meeting**

The Engineer shall attend partnering meeting (assumed to be same day as preconstruction meeting).

### **3. Attend Construction Coordination Meetings**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project. As requested by the CRRMA/State's Project Manager, the Engineer shall attend up to four (4) in person and other meetings via WebEX construction coordination meetings as requested by the CRRMA/State.

### **4. Provide Change Order Assistance:**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project. As requested by the CRRMA/State's Project Manager, the Engineer shall provide assistance to the CRRMA/State in preparing change orders to the contract where warranted by a change in field conditions or a change requested by the CRRMA/State.

### **5. Shop Drawing Review and Approval**

The Engineer shall review and approve shop drawings prepared and submitted by the Contractor or fabricator of materials and work related to the construction of this project. (Review of shop drawings for roadway elements which have been designed and sealed by the CRRMA/State are included under this scope of services if requested by the CRRMA/State. Review of roadway elements covered by CRRMA/State Standards is not included under this scope of services.

The shop drawings for review and approval shall include, but not be limited to the following list of items when applicable to the project:

- Barrier Rail – All Types
- Manholes and Inlets – All types
- Traffic Signal Items
- Wall Items
- Bridge Items
- Large Signs
- ITS Items

Distribution of Shop Drawings: The CRRMA/State's Project Manager will forward to the Engineer, for review and approval, the shop drawings submitted by the Contractor or fabricator. The Engineer shall have a maximum of 10 calendar days from receipt of the shop drawings to review, approve, stamp and return the shop drawings to the CRRMA/State's Project Manager. This time may be decreased to a lesser and mutually agreeable time limit if the CRRMA/State feels it is necessary in order to avoid delay of construction activities.

The CRRMA/State uses an electronic submittal procedure for all shop and working drawing submittals and the Engineer shall comply with the procedures for review, stamping, marking, and preparation of the electronic files as outlined in the CRRMA/State's Guide to Electronic Shop Drawing Submittal which can be obtained at the following web site link:

[ftp://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e\\_submit\\_guide.pdf](ftp://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf)

The Engineer shall, following review, return to the CRRMA/State's Project Manager, the electronic submission with appropriate file name designation and transmission form requirements as found in the CRRMA/State's Guide to Electronic Shop Drawing Submittal. The CRRMA/State's Project Manager shall distribute the returned review documents to the Contractor, fabricator, and CRRMA/State's contacts.

## **6. Request for Information (RFI)**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project. As requested by the CRRMA/State's Project Manager, the Engineer shall provide assistance as follows:

- Prepare responses to RFIs (up to 50).

## **7. Providing Minor Redesign**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project. As requested by the CRRMA/State's Project Manager, the Engineer shall provide assistance as follows:

- Provide minor redesign which will include changes to affected plan sheets

## **8. Answering general questions and providing clarification**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project. As requested by the CRRMA/State's Project Manager, the Engineer shall provide assistance as follows:

- Provide answers to questions
- Provide clarifications related to design

## **9. Other project related tasks as requested by the CRRMA/State**

The Engineer shall assist the CRRMA/State on an as-needed basis during the duration of the construction phase of this project as related miscellaneous project tasks arise.

## **Deliverables**

The Engineer shall provide the following to the CRRMA/State:

1. Reviewed shop drawings with comments (if any) and stamped to indicate acceptance, comments to be addressed (if any), or resubmittal required.
2. Reviewed forming details (erection plans) with comments (if any) and stamped to indicate acceptance, comments to be addressed (if any), or resubmittal required.
3. Responses to RFIs
4. Change order proposals, signed and sealed by a licensed engineer in the State of Texas, as requested by the CRRMA/State.

AECOM Technical Services Inc.  
Loop 375 Braided Ramps

<b>Company</b>	<b>Fee</b>
AECOM Technical Services Inc.	\$174,704.42
ZWA Surveying	\$0.00
PSI	\$14,482.52
QUANTUM	\$0.00
FXSA	\$9,716.96
<b>Total</b>	<b>\$198,903.90</b>

<b>AECOM Technical Services Inc. Loop 375 Braided Ramps</b>			
Task	AECOM Technical Services Inc.	PSI	FXSA
J. Construction Phase Services	\$169,081.92	\$14,413.52	\$9,647.96
<b>Sub Totals</b>	<b>\$169,081.92</b>	<b>\$14,413.52</b>	<b>\$9,647.96</b>
<b>Direct Expenses</b>	<b>\$5,622.50</b>	<b>\$69.00</b>	<b>\$69.00</b>
<b>Totals</b>	<b>\$174,704.42</b>	<b>\$14,482.52</b>	<b>\$9,716.96</b>
<b>Grand Total</b>	<b>\$198,903.90</b>		
Participation Percentage	87.83%	7.28%	4.89%
Total DBE Percentage:	12.17%		



AECOM Technical Services Inc. Loop 375 Braided Ramps											
Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	SENIOR ENGINEERING TECHNICIAN	ENGINEERING TECHNICIAN	ADMIN / CLERICAL (ENG)	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>J. Construction Phase Services (Function Code 309)</b>										1396	\$ 169,081.92
<b>J. Construction Phase Services</b>										1396	\$ 169,081.92
A. Project Management and Coordination (Assumes 20 months)	40		20		40				40	140	\$ 17,629.60
1. Attend preconstruction meeting	4		4							8	\$ 1,396.48
2. Attend partnering meeting (assumed the same day as Preconstruction meeting)	4		4							8	\$ 1,396.48
3. Attend field meetings and make visits to site (up to 4 with other meetings via WebEX)	10	10	80		20					120	\$ 17,273.20
4. Assist the CRRMA/State in preparing change orders	2	10	60	20	40	20	40	20		212	\$ 24,589.24
5. Review and approval of shop drawings	2	30	60	40	60	10	10	10		222	\$ 26,687.04
6. Responding to requests for information (RFIs) (up to 50)	1	4	40	20	40		20			125	\$ 15,097.78
7. Providing minor redesign which will include changes to affected plan sheets	2	10	60	40	80		40			232	\$ 27,587.84
8. Answering general questions and providing clarification	1	4	30	20	40		20			115	\$ 13,648.78
9. Other project related tasks in support of the CRRMA/State during construction	4	10	40	40	80	40				214	\$ 23,775.48
<b>HOURS SUB-TOTALS</b>	<b>70</b>	<b>78</b>	<b>398</b>	<b>180</b>	<b>400</b>	<b>70</b>	<b>130</b>	<b>30</b>	<b>40</b>	<b>1396</b>	
<b>CONTRACT RATE PER HOUR</b>	<b>\$204.22</b>	<b>\$145.14</b>	<b>\$144.90</b>	<b>\$97.71</b>	<b>\$109.38</b>	<b>\$76.31</b>	<b>\$109.38</b>	<b>\$90.23</b>	<b>\$54.69</b>		
<b>TOTAL LABOR COSTS</b>	<b>\$14,295.40</b>	<b>\$11,320.92</b>	<b>\$57,670.20</b>	<b>\$17,587.80</b>	<b>\$43,752.00</b>	<b>\$5,341.70</b>	<b>\$14,219.40</b>	<b>\$2,706.90</b>	<b>\$2,187.60</b>	<b>\$169,081.92</b>	
<b>% DISTRIBUTION OF STAFF HOURS</b>	<b>5.01%</b>	<b>5.59%</b>	<b>28.51%</b>	<b>12.89%</b>	<b>28.65%</b>	<b>5.01%</b>	<b>9.31%</b>	<b>2.15%</b>	<b>2.87%</b>		
<b>TOTAL PROJECT HOURS</b>	<b>70</b>	<b>78</b>	<b>398</b>	<b>180</b>	<b>400</b>	<b>70</b>	<b>130</b>	<b>30</b>	<b>40</b>	<b>1397</b>	
<b>PROJECT TOTALS</b>	<b>\$14,295.40</b>	<b>\$11,320.92</b>	<b>\$57,670.20</b>	<b>\$17,587.80</b>	<b>\$43,752.00</b>	<b>\$5,341.70</b>	<b>\$14,219.40</b>	<b>\$2,706.90</b>	<b>\$2,187.60</b>	<b>\$169,081.92</b>	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	<b>5.01%</b>	<b>5.58%</b>	<b>28.49%</b>	<b>12.88%</b>	<b>28.63%</b>	<b>5.01%</b>	<b>9.31%</b>	<b>2.15%</b>	<b>2.86%</b>		

AECOM Technical Services Inc. Loop 375 Braided Ramps				
Other Direct Expenses	UNITS		RATE	
Lodging/Hotel (Taxes/fees not included)	10	night	100.00	\$1,000.00
Meals (overnight stay required)	10	day	46.00	\$460.00
Rental Car (Tax/fees not included)	5	day	65.00	\$325.00
Rental Car Gasoline	25	Gallon	3.75	\$93.75
SUV or ATV Rental	0	day	0.00	\$0.00
Air Travel	8	each	450.00	\$3,600.00
Taxi/Cab fare	0	each	0.00	\$0.00
Standard Postage	0	letter	0.00	\$0.00
Overnight express-letter size	0	each	20.00	\$0.00
Overnight express-oversized box	0	each	35.00	\$0.00
Courier Services	0	each	30.00	\$0.00
8½"X11" B/W Paper Copies	0	each	0.10	\$0.00
11"X17" B/W Paper Copies	0	each	0.20	\$0.00
8½"X11" Color Paper Copies	0	each	0.50	\$0.00
11"X17" Color Paper Copies	0	each	1.50	\$0.00
CADD Plotting	0	linear foot	4.50	\$0.00
Digital Ortho Plotting	0	linear foot	0.00	\$0.00
Law Enforcement/Uniform Officer	0	hour/officer	0.00	\$0.00
Notebooks	0	each	0.00	\$0.00
Hazardous Materials Database Search	0	per search	0.00	
Backhoe Rental	0	day	0.00	\$0.00
Boards for Public Meeting	0	each	0.00	\$0.00
Env. Field Supplies (lathes, stakes, flagging, spray paint, etc.)	0	day	0.00	\$0.00
Interpreter	0	hour	0.00	\$0.00
Court Reporter	0	hour	0.00	\$0.00
Newspaper Advertisement	0	each	0.00	\$0.00
<b>Other Direct Expense Total</b>				<b>\$5,622.50</b>

**FXSA  
Loop 375 Braided Ramps**

Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	SENIOR ENGINEERING TECHNICIAN	ENGINEERING TECHNICIAN	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN / CLERICAL (ENG)	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>J. Construction Phase Services (Function Code 309)</b>												56	\$ 9,647.96
J. Construction Phase Services												56	\$ 9,647.96
A. Project Management and Coordination with AECOM (Assumes 20 months)	8											8	\$ 1,656.08
1. Attend preconstruction meeting												0	\$ -
2. Attend partnering meeting												0	\$ -
3. Attend field meetings and make visits to site	8		8		8							24	\$ 4,190.40
4. Assist the CRRMA/State in preparing change orders												0	\$ -
5. Review and approval of shop drawings												0	\$ -
6. Responding to requests for information (RFIs)												0	\$ -
7. Providing minor redesign which will include changes to affected plan sheets												0	\$ -
8. Answering general questions and providing clarification			8		8							16	\$ 2,534.32
9. Other project related tasks in support of the CRRMA/State during construction			4		4							8	\$ 1,267.16
<b>HOURS SUB-TOTALS</b>	<b>16</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	
<b>CONTRACT RATE PER HOUR</b>	<b>\$207.01</b>	<b>\$188.19</b>	<b>\$188.19</b>	<b>\$188.19</b>	<b>\$128.60</b>	<b>\$103.51</b>	<b>\$119.19</b>	<b>\$97.23</b>	<b>\$77.32</b>	<b>\$69.51</b>	<b>\$69.00</b>		
<b>TOTAL LABOR COSTS</b>	<b>\$3,312.16</b>	<b>\$0.00</b>	<b>\$3,763.80</b>	<b>\$0.00</b>	<b>\$2,572.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$9,647.96</b>	
<b>% DISTRIBUTION OF STAFF HOURS</b>	<b>28.57%</b>	<b>0.00%</b>	<b>35.71%</b>	<b>0.00%</b>	<b>35.71%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>		
<b>TOTAL PROJECT HOURS</b>	<b>16</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	
<b>PROJECT TOTALS</b>	<b>\$3,312.16</b>	<b>\$0.00</b>	<b>\$3,763.80</b>	<b>\$0.00</b>	<b>\$2,572.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$9,647.96</b>	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	<b>28.57%</b>	<b>0.00%</b>	<b>35.71%</b>	<b>0.00%</b>	<b>35.71%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>		

FXSA  
Loop 375 Braided Ramps

Other Direct Expenses	UNITS		RATE		
Lodging/Hotel (Taxes/fees not included)	0	night	0.00		\$0.00
Meals (overnight stay required)	0	day	0.00		\$0.00
Rental Car (Tax/fees not included)	0	day	0.00		\$0.00
Mileage	120	mile	0.575		\$69.00
Air Travel	0	each	400.00		\$0.00
Parking	0	day	15.00		\$0.00
Standard Postage	0	letter	0.45		\$0.00
Overnight express-letter size	0	each	45.00		\$0.00
Overnight express-oversized box	0	each	65.00		\$0.00
Courier Services	0	each	0.00		\$0.00
8½"X11" B/W Paper Copies	0	each	0.10		\$0.00
11"X17" B/W Paper Copies	0	each	0.20		\$0.00
8½"X11" Color Paper Copies	0	each	0.40		\$0.00
11"X17" Color Paper Copies	0	each	0.74		\$0.00
CADD Plotting	0	linear foot	0.00		\$0.00
Digital Ortho Plotting	0	linear foot	0.00		\$0.00
Law Enforcement/Uniform Officer	0	hour/officer	0.00		\$0.00
Notebooks	0	each	0.00		\$0.00
Hazardous Materials Database Search	0	per search	0.00		\$0.00
Backhoe Rental	0	day	0.00		\$0.00
Boards for Public Meeting	0	each	0.00		\$0.00
Env. Field Supplies (lathes, stakes, flagging, spray paint, etc.)	0	day	0.00		\$0.00
Interpreter	0	hour	0.00		\$0.00
Court Reporter	0	hour	0.00		\$0.00
Newspaper Advertisement	0	each	0.00		\$0.00
Designate		Unit	250.00		\$0.00
GPS Receiver	0	hour	14.43		\$0.00
Locate (0-5)	0	each	1,000.00		\$0.00
Locate (5-10)	0	each	1,500.00		\$0.00
Locate (10-15)		each	2,000.00		\$0.00
Traffic Control		day	950.00		\$0.00
<b>Other Direct Expense Total</b>					<b>\$69.00</b>

**PSI**  
**Loop 375 Braided Ramps**

Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	SENIOR ENGINEERING TECHNICIAN	ENGINEERING TECHNICIAN	SENIOR CADD OPERATOR	CADD OPERATOR	ADMIN / CLERICAL (ENG)	TOTAL LABOR HOURS	TOTAL LABOR COST
<b>J. Construction Phase Services (Function Code 309)</b>												92	\$ 14,413.52
<b>J. Construction Phase Services</b>												92	\$ 14,413.52
A. Project Management and Coordination with AECOM (Assumes 20 months)	12											12	\$ 2,337.36
1. Attend preconstruction meeting												0	\$ -
2. Attend partnering meeting												0	\$ -
3. Attend field meetings and make visits to site	8		8									16	\$ 2,824.32
4. Assist the CRRMA/State in preparing change orders												0	\$ -
5. Review and approval of shop drawings			12	12								24	\$ 3,469.44
6. Responding to requests for information (RFIs)			4	4								8	\$ 1,156.48
7. Providing minor redesign which will include changes to affected plan sheets												0	\$ -
8. Answering general questions and providing clarification			16	16								32	\$ 4,625.92
9. Other project related tasks in support of the CRRMA/State during construction												0	\$ -
<b>HOURS SUB-TOTALS</b>	20	0	40	32	0	0	0	0	0	0	0	92	
<b>CONTRACT RATE PER HOUR</b>	\$194.78	\$194.78	\$158.26	\$130.86	\$103.47	\$85.21	\$97.39	\$76.08	\$0.00	\$0.00	\$54.78		
<b>TOTAL LABOR COSTS</b>	\$3,895.60	\$0.00	\$6,330.40	\$4,187.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14,413.52	
<b>% DISTRIBUTION OF STAFF HOURS</b>	21.74%	0.00%	43.48%	34.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
<b>TOTAL PROJECT HOURS</b>	20	0	40	32	0	0	0	0	0	0	0	92	
<b>PROJECT TOTALS</b>	\$3,895.60	\$0.00	\$6,330.40	\$4,187.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14,413.52	
<b>TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS</b>	21.74%	0.00%	43.48%	34.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		

PSI  
LP375 Braided Ramps

Other Direct Expenses	UNITS		RATE		
Lodging/Hotel (Taxes/fees not included)	0	night	0.00		\$0.00
Meals (overnight stay required)	0	day	0.00		\$0.00
Rental Car (Tax/fees not included)	0	day	0.00		\$0.00
Mileage	120	mile	0.575		\$69.00
Air Travel	0	each	0.00		\$0.00
Parking	0	day	0.00		\$0.00
Standard Postage	0	letter	0.00		\$0.00
Overnight express-letter size	0	each	0.00		\$0.00
Overnight express-oversized box	0	each	0.00		\$0.00
Courier Services	0	each	25.00		\$0.00
8½"X11" B/W Paper Copies		each	0.10		\$0.00
11"X17" B/W Paper Copies	0	each	0.20		\$0.00
8½"X11" Color Paper Copies		each	0.40		\$0.00
11"X17" Color Paper Copies	0	each	0.70		\$0.00
CADD Plotting	0	linear foot	0.00		\$0.00
Digital Ortho Plotting	0	linear foot	0.00		\$0.00
Law Enforcement/Uniform Officer	0	hour/officer	0.00		\$0.00
Notebooks	0	each	0.00		\$0.00
Hazardous Materials Database Search	0	per search	0.00		\$0.00
Backhoe Rental		day	400.00		\$0.00
Boards for Public Meeting	0	each	0.00		\$0.00
Env. Field Supplies (lathes, stakes, flagging, spray paint, etc.)		day	800.00		\$0.00
Interpreter	0	hour	0.00		\$0.00
Court Reporter	0	hour	0.00		\$0.00
Drill Rig Mobilization		day	250.00		\$0.00
Drill Crew Mobilization (2-Man Crew)	0	hour	80.00		\$0.00
Auger Soil Boring with no Sampling	0	per foot	12.00		\$0.00
Auger Soil Boring with SPT (<50 feet)		per foot	16.00		\$0.00
Auger Soil Boring with TCP (<50 feet) (if needed)		per foot	25.00		\$0.00
Auger Soil Boring with SPT (>50 feet)		per foot	20.00		\$0.00
Traffic Control		day	1,800.00		\$0.00
Moisture Content and Visual Classification (ASTM D 2216)		each	14.00		\$0.00
Sieve Analysis (ASTM D 6913)		each	65.00		\$0.00
Atterberg Limits (ASTM D 4318)		each	65.00		\$0.00
Consolidation (ASTM D 2435)		each	650.00		\$0.00
Direct Shear (ASTM D 3080)		each	450.00		\$0.00
Moisture Density Relationship (ASTM D 1557)		each	200.00		\$0.00
California Bearing Ratio ( ASTM D 1883)		each	300.00		\$0.00
Concrete/Asphalt Patch		each	125.00		\$0.00
Private Utility Locate		day	2,000.00		\$0.00
Percolation Test (ASTM D 5126)	0	each	500.00		\$0.00
<b>Other Direct Expense Total</b>					<b>\$69.00</b>