

**CAMINO REAL REGIONAL MOBILITY AUTHORITY
BOARD RESOLUTION**

WHEREAS, the Camino Real Regional Mobility Authority (CRRMA) and CEA Engineering Group, Inc. (Engineer) entered into a Contract for Engineering Services (Contract) that established various terms and conditions applicable to future work authorizations that can be used to provide various design services for plans, specifications and estimates (PS&E) to the CRRMA as requested by the CRRMA from time to time; and

WHEREAS, the CRRMA and the Engineer entered into Work Authorization No. 2, pursuant to and in accordance with the Contract, in order for the Engineer to provide PS&E to the CRRMA for the Winn Road Project; and

WHEREAS, the CRRMA now desires additional design services from the Engineer for the Winn Road Project and the parties therefore desire to amend Work Authorization No. 2.

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

THAT the Executive Director be authorized to execute **Amendment No. 01 to Work Authorization No. 2** with CEA Engineering Group, Inc. including any additional documents or materials as may be required, for the provision of additional design services for the Winn Road Project.

PASSED AND APPROVED THIS 6TH DAY OF JUNE 2017.

**CAMINO REAL REGIONAL
MOBILITY AUTHORITY**

ATTEST:

Joe D. Wardy, Vice Chair

Joe R. Fernandez, Board Secretary

APPROVED AS TO CONTENT:

Raymond L. Telles
Executive Director

AMENDMENT NO. 1

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

THIS AMENDMENT NO. 1 is made pursuant to the terms and conditions of Article 5 of the Contract for Engineering Services dated July 28, 2015 (the “Contract”) by and between the CAMINO REAL REGIONAL MOBILITY AUTHORITY (the “CRRMA”), and CEA ENGINEERING GROUP, INC., (the “Engineer”). This Amendment No. 1 seeks to amend the Work Authorization No. 2 dated February 15, 2016 (the “WA No. 2”) , which was executed by and between the parties pursuant to the Contract for the development of the project known as the Winn Road Project (the “Project”).

PART I. The terms and conditions of WA No. 2 are hereby supplemented by adding the provisions and not to exceed compensation for design services during construction identified in **EXHIBIT B-1**, which is attached hereto and incorporated herein for all purposes.

PART II. This Amendment No. 1 shall become effective on the date of final execution of the Parties hereto. All other terms and conditions of WA No. 2 not hereby amended shall remain in full force and effect.

IN WITNESS WHEREOF, this Amendment No. 1 is executed in duplicate counterparts and hereby accepted and acknowledged below.

**CAMINO REAL
REGIONAL MOBILITY AUTHORITY**

By: _____
Raymond L. Telles
Executive Director

Date: _____

CEA ENGINEERING GROUP, INC.

By: _____

Name: _____

Title: _____

Date: _____

Exhibit B-1

SERVICES TO BE PROVIDED BY THE ENGINEER

I. PROJECT SUMMARY OF SUPPLEMENTAL SCOPE

Additional Professional Services will be provided by the Engineer to produce final plans, specifications, and estimates (PS&E) for a bridge crossing and traffic projections. These services generally will include design of a bridge crossing over the Playa Interceptor Drain and traffic projections for the environmental work. The bridge design shall be prepared as part of the PS&E package. The work is required as part of the change from a culvert crossing to a bridge crossing.

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:

- Project Management
- Plans, Specifications and Estimates

A. Project Management

The project management and administration tasks shall include:

1. Progress Reporting
 - 1.1. Prepare and submit to the CRRMA monthly progress reports of activities completed during reporting period.
 - 1.2. Prepare and Submit Invoices. The report shall be submitted as an attachment to the invoice submittal.

B. Geotechnical Investigations

1. Subsurface Exploration and Testing.
 - 1.1. Perform a geotechnical engineering investigation at the bridge site of the project. Report should include at a minimum, the bearing stratum, depth, elevation, and foundation recommendations.
 - 1.2. Drill two additional borings to a depth of about 65 feet or auger refusal. One boring will be placed at each abutment location.
 - 1.3. Samples will be obtained by standard penetration testing and Texas Cone Penetrometer methods. Other sampling methods will be used as appropriate including open-end drive sampling, Shelby tube sampling or tube sampling by other methods.
 - 1.4. Drilling and sampling operations will be conducted in general accordance with the requirements of ASTM D 1452, D 1586, D 1587, and D 2488.
2. Laboratory testing will be completed on selected samples recovered during the field study and may include consolidation, direct shear, moisture content, density, particle size analyses and Atterberg limits tests. Subsurface conditions and specific design criteria will be the basis for testing requirements.

3. Engineering analyses of the data collected in the field and laboratory studies will be made and soil parameters for design of the bridge structure will be provided in our geotechnical report for the project.

C. Schematic Design

1. Add traffic projections for use in air quality analysis.
 - 1.1. Collect Historical Traffic Data
 - 1.2. Calculate Historical Growth Factor
 - 1.3. Calculate Corridor Future Growth Factor based on Travel Demand Model
 - 1.4. Adjust Corridor Growth Factor
 - 1.5. Develop Corridor Projected Volumes
 - 1.6. Prepare Traffic Projection Memorandum

D. Plans, Specifications and Estimates (PS&E)

Bridge Scope:

1. New bridge limits at Rio del Norte over the Playa drain.
2. Design one bridge at Rio del Norte over the Playa drain.
 - 2.1. Prepare bridge layouts and final bridge design plans for one bridge at Rio del Norte over the Playa drain. Design will be a non-standard bridge since the approximate width of the bridge is 80 feet. Assume sidewalks; abutment headers to be treated with sloped stone riprap; profile will allow for the use of TxDOT I-Girders; abutments will be non-skewed (i.e. 90 degrees to roadway centerline); single span; and have a non-standard width. Anticipate setting profile grades along the bridge to allow for all surface drainage to be accommodated by curb inlets off each end of the bridge without violating ponding width requirements. If deck drains are required, assume that they will be allowed to discharge directly into the floodplain.
 - 2.2. Bridge construction will be specified in general accordance with the TxDOT Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges, 2014. Use TxDOT Standards to the extent practical.
 - 2.3. Anticipate the following sheets:
 - 2.3.1. Bridge Layouts & Bridge Typical Sections (1 Sheet at 1" = 20' scale)
Bridge Layouts will show plan and profile geometry of the structure and Bridge Typical Sections will show cross sections of the structure. They will be prepared according to the TxDOT checklist for Bridge Layouts.
 - 2.3.2. Summary of Estimated Bridge Quantities (1 Sheet)
 - 2.3.3. Foundation Plan (1 Sheet at 1" = 20' scale)
Layout of drilled shaft locations.
 - 2.3.4. Abutment Detail (3 Sheets)
Abutment plan views, elevation views and common details including control elevations and bearing seat elevations.
 - 2.3.5. Framing Plan (1 Sheet)
Framing Plan of the girders including bents and beam reports.
 - 2.3.6. Span Unit / Slab Details and Typical Transverse Section (1 Sheet)

Detail slab reinforcement and dimensions for each span units. Detail structural typical sections for dimensions and reinforcing of bridge decks and end diaphragms.

2.3.7. Prestressed concrete I-girders Design Sheet (1 Sheet)

2.3.8. Applicable TxDOT Standard Sheets

All culvert requirements are deleted.

Deliverables

- Geotechnical Report
- Traffic Projection Memorandum
- Specification list, general notes, special provisions, specifications, special specifications
- Final signed and sealed construction plans

Supplemental Work Authorization Fee Schedule

Work Authorization No. 2, Supplemental No. 1

Winn Road Improvements

Company	Fee
CEA Group	\$6,098.72
Kimley Horn & Associates	\$53,901.07
Frank X. Spencer & Associates	
AMEC Foster Wheeler	\$9,823.58
Lisa McNelis Landscape Architect	
Cox Mclain Environmental Consulting	
Altura Solutions	
Blanton & Associates	
[Firm Name, S8]	
Total	\$69,823.37

**CEA Group
Winn Road Improvements**

Task	CEA Group	Kimley Horn & Associates	Frank X. Spencer & Associates	AMEC Foster Wheeler	Lisa McNelis Landscape Architect	Cox Mclain Environmental Consulting	Altura Solutions	Blanton & Associates	[Firm Name, S8]
A. Project Management	\$6,098.72	\$0.00		\$0.00					
B. Surveying	\$0.00	\$0.00		\$0.00					
C. Right-Of-Way Mapping	\$0.00	\$0.00		\$0.00					
D. Geotechnical Investigations	\$0.00	\$0.00		\$4,695.83					
E. Environmental Studies	\$0.00	\$0.00		\$0.00					
F. Public Involvement Activities	\$0.00	\$0.00		\$0.00					
G. Schematic Design	\$0.00	\$869.10		\$0.00					
H. Drainage Study	\$0.00	\$0.00		\$0.00					
I. Stakeholder Coordination	\$0.00	\$0.00		\$0.00					
J. Plans, Specifications and Estimates (PS&E)	\$0.00	\$53,031.97		\$0.00					
K. Utility Coordination	\$0.00	\$0.00		\$0.00					
Sub Totals	\$6,098.72	\$53,901.07	\$0.00	\$4,695.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Direct Expenses	\$0.00	\$0.00		\$5,127.75					
Totals	\$6,098.72	\$53,901.07	\$0.00	\$9,823.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Grand Total					\$69,823.37				

Participation Percentage 8.73% 77.20% 0.00% 14.07% 0.00% 0.00% 0.00% 0.00%

Total DBE Percentage: 8.73%

CEA Group
Winn Road Improvements

Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	TOTAL LABOR HOURS	TOTAL LABOR COST
A. Project Management							32	\$ 6,098.72
1. Project Management/Work Plan							0	\$ -
2. Progress Reporting							32	\$ 6,098.72
2.1 Prepare and Submit Monthly Progress Reports for CRRMA							0	\$ -
2.1.1 Activities Completed	8		4	4			16	\$ 3,049.36
2.1.2 Initiated and Ongoing Activities							0	\$ -
2.1.3 Planned Activities							0	\$ -
2.1.4 Problems Encountered/Problem Remedies							0	\$ -
2.1.5 Overall Status including Tabulation of Percentage Complete by Task							0	\$ -
2.1.6 Updated Project Schedule							0	\$ -
2.2 Prepare and Submit Invoices							0	\$ -
2.2.1 Financial and DBE Participation	8		4	4			16	\$ 3,049.36
2.2.2 Hours Worked by Individual							0	\$ -
2.2.3 Hourly Rate							0	\$ -
2.2.4 Monthly Invoice Amount as Compared to Baseline Monthly Estimate							0	\$ -
2.2.5 Monthly Cumulative Invoice Amount as Compared to Baseline Monthly Cumulative Estimate							0	\$ -
2.2.6 Reasons for Deviations from Baseline							0	\$ -
3. Coordination/Administration							0	\$ -
4. Project Control/Scheduling							0	\$ -
5. Subconsultant Management							0	\$ -
Deliverables							0	\$ -
HOURS SUB-TOTALS	16	0	8	8	0	0	32	
CONTRACT RATE PER HOUR	\$204.09	\$0.00	\$192.09	\$162.07	\$132.06	\$102.05		
TOTAL LABOR COSTS	\$3,265.44	\$0.00	\$1,536.72	\$1,296.56	\$0.00	\$0.00	\$6,098.72	
% DISTRIBUTION OF STAFF HOURS	50.00%	0.00%	25.00%	25.00%	0.00%	0.00%		
TOTAL PROJECT HOURS	16	0	8	8	0	0	32	
PROJECT TOTALS	\$3,265.44	\$0.00	\$1,536.72	\$1,296.56	\$0.00	\$0.00	\$6,098.72	
TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS	50.00%	0.00%	25.00%	25.00%	0.00%	0.00%		

CEA Group
Winn Road Improvements

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	0	mile	0.58		\$0.00
SUV or ATV Rental	0	day	0.00		\$0.00
Air Travel	0	each	0.00		\$0.00
Parking	0	day	0.00		\$0.00
Taxi/Cab fare	0	each	0.00		\$0.00
Standard Postage	0	letter	1.00		\$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	0.00		\$0.00
8½"X11" B/W Paper Copies	0	each	0.12		\$0.00
11"X17" B/W Paper Copies	0	each	0.25		\$0.00
8½"X11" Color Paper Copies	0	each	0.50		\$0.00
11"X17" Color Paper Copies	0	each	0.75		\$0.00
CADD Plotting	0	linear foot	3.00		\$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	300.00		\$0.00
Potholing existing water line, up to 10 feet deep	0	each	0.00		\$0.00
Translation Services	0	hour	0.00		\$0.00
Court Reporter	0	hour	0.00		\$0.00
Traffic Counter Field Supplies	0	each	0.00		\$0.00
Other Direct Expense Total					\$0.00

Kimley Horn & Associates
Winn Road Improvements

Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	TOTAL LABOR HOURS	TOTAL LABOR COST
G. Schematic Design							4	\$ 869.10
1. Data Collection							0	\$ -
2. Design Criteria							0	\$ -
3. Roadway Design							0	\$ -
4. Design Schematic							4	\$ 869.10
4.1 Typical Sections							0	\$ -
4.2 Roadway plan and profile and superelevation							0	\$ -
4.3 Location and text of proposed guide signs							0	\$ -
4.4 Lane lines and arrows indicating number of lanes							0	\$ -
4.5 Proposed and Existing ROW Limits							0	\$ -
4.5.1 Design Cross-Sections to Verify ROW Requirements							0	\$ -
4.5.2 Existing and Proposed Easements							0	\$ -
4.5.3 Proposed Toe of Slope							0	\$ -
4.6 New culvert crossing limits at Rio del Norte over the Playa Drain							4	\$ -
4.7 New Bridge limits at Rio del Norte over the Playa Interceptor Drain		2	1			1	4	\$ 869.10
4.8 Noise wall limits, if any							0	\$ -
4.9 Roadway lighting locations							0	\$ -
4.10 Geometrics							0	\$ -
4.10.1 Pavement Cross Slopes							0	\$ -
4.10.2 Lane/Shoulder Widths							0	\$ -
4.10.3 Slope Rates of the Typical Sections (Plan view and Cross Sections)							0	\$ -
4.10.3.1 Main Lanes							0	\$ -
4.10.3.2 Cross Roads							0	\$ -
4.10.4 Vertical Design							0	\$ -
4.10.5 Connecting Roads, Acceleration/Deceleration Lanes							0	\$ -
4.11 Current and Projected traffic volumes as provided							0	\$ -
4.12 Control of access lines							0	\$ -
4.13 Utility Conflicts/Adjustments (Location and Elevation Information)							0	\$ -
4.14 Existing and Proposed Drainage Structures, Offsite ponding areas							0	\$ -
4.15 Preliminary traffic control and sequence of construction plan							0	\$ -
4.16 Proposed signing and striping layout							0	\$ -
5. Other Items							0	\$ -
Deliverables							0	\$ -
HOURS SUB-TOTALS	0	2	1	0	0	1	4	
CONTRACT RATE PER HOUR	\$262.37	\$262.37	\$229.57	\$180.38	\$131.18	\$114.79		
TOTAL LABOR COSTS	\$0.00	\$524.74	\$229.57	\$0.00	\$0.00	\$114.79	\$869.10	
% DISTRIBUTION OF STAFF HOURS	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
J. Plans, Specifications and Estimates (PS&E)							302	\$ 53,031.97
1. Update Information							0	\$ -
1.1 Update traffic data, ROW maps, and other information							0	\$ -
2. Design Criteria							0	\$ -
3. Initial Design							0	\$ -
4. Utility Coordination							0	\$ -
5. Roadway Design							302	\$ 53,031.97
5.1 Vertical and Horizontal Alignments							0	\$ -
5.2 Develop cross-sections and earthwork volumes							0	\$ -
5.3 Detail Design Elements							0	\$ -
5.3.1 Illumination							0	\$ -
5.3.2 Driveway Access							0	\$ -
5.3.3 Bicycle and pedestrian facilities							0	\$ -
5.3.4 Landscaping							0	\$ -
5.3.5 Irrigation system							0	\$ -
5.3.6 Miscellaneous Details							0	\$ -
5.4 Submit design exceptions/waivers as required on project							0	\$ -
5.5 Bridge Design at Rio del Norte over the Playa Drain							0	\$ -
5.5.1 Bridge Layouts and Typical Sections		12		8		14	34	\$ 6,198.54
5.5.2 Summary of Bridge Quantities		4		5		15	15	\$ 2,640.12
5.5.3 Foundation Plan		8		10		14	32	\$ 5,500.82
5.5.4 Abutment Detail		12		20		20	52	\$ 9,051.84
5.5.5 Framing Plan		16		16		8	40	\$ 8,002.32
5.5.6 Span Unit/ Slab Details and Typical Transverse Section		12		16		12	40	\$ 7,412.00
5.5.7 Prestressed Concrete I-Girders Design		10		28		35	73	\$ 11,691.99
5.5.8 TXDOT Standards		2		6		8	16	\$ 2,525.34
6. Operational Design							0	\$ -
7. Drainage Design							0	\$ -
8. Traffic Control							0	\$ -
9. Storm Water Pollution Prevention Plan (SW3P)							0	\$ -
10. Final Assembly of PS&E Package							0	\$ -
11. ADA Compliance Services							0	\$ -
12. Bid Assistance							0	\$ -
Deliverables							0	\$ -
HOURS SUB-TOTALS	0	76	0	109	0	117	302	
CONTRACT RATE PER HOUR	\$262.37	\$262.37	\$229.57	\$180.38	\$131.18	\$114.79		
TOTAL LABOR COSTS	\$0.00	\$19,940.12	\$0.00	\$19,661.42	\$0.00	\$13,430.43	\$53,031.97	
% DISTRIBUTION OF STAFF HOURS	0.00%	25.17%	0.00%	36.09%	0.00%	38.74%		
TOTAL PROJECT HOURS	0	78	1	109	0	118	306	
PROJECT TOTALS	\$0.00	\$20,464.86	\$229.57	\$19,661.42	\$0.00	\$13,545.22	\$53,901.07	
TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS	0.00%	25.49%	0.33%	35.62%	0.00%	38.56%		

Kimley Horn & Associates
Winn Road Improvements

Other Direct Expenses	UNITS		RATE		
Lodging/Hotel (Taxes/fees not included)	0	night	92.00		\$0.00
Meals (overnight stay required)	0	day	51.00		\$0.00
Rental Car (Tax/fees not included)	0	day	75.00		\$0.00
Mileage	0	mile	0.58		\$0.00
SUV or ATV Rental	0	day	0.00		\$0.00
Air Travel	0	each	700.00		\$0.00
Parking	0	day	20.00		\$0.00
Taxi/Cab fare	0	each	30.00		\$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	50.00		\$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	0.60		\$0.00
11"X17" Color Paper Copies	0	each	1.00		\$0.00
CADD Plotting	0	linear foot	1.00		\$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
Other Direct Expense Total					\$0.00

**AMEC Foster Wheeler
Winn Road Improvements**

Task Description	SENIOR PROJECT MANAGER	SENIOR BRIDGE ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	EIT	TOTAL LABOR HOURS	TOTAL LABOR COST
D. Geotechnical Investigations							50	\$ 4,695.83
1. Surface Exploration and Testing							31	\$ 4,249.06
1.1 Perform geotechnical engineering investigation							0	\$ -
1.1.1 Conduct subsurface explorations	4	2					6	\$ 893.52
1.1.2 Implement traffic control							0	\$ -
1.1.3 Advance exploratory borings			15				15	\$ 2,462.02
1.1.4 Perform split spoon standard penetration tests (SPT)							0	\$ -
1.1.5 Develop a laboratory soils testing program and utilize the index test	4	2					6	\$ 893.52
1.1.6 Derive soil strength utilizing the split spoon SPT blow counts or unconfined compressive strength tests		4					4	\$ -
1.1.7 Perform California Bearing Test (CBR)							0	\$ -
1.1.8 Perform a minimum of two percolation tests at each ponding area site							0	\$ -
2. Geotechnical Design							18	\$ 446.76
2.1 Provide Recommendations for Proposed Bridge Crossing	2	8					10	\$ 446.76
2.2 Provide recommendations for underground storm water pipe bedding and backfill							0	\$ -
2.3 Provide recommendations for illumination pole and traffic signal mast arm foundations, and ret. wall structures							0	\$ -
2.4 Summarize results of the geotechnical engineering investigations in a written report		8					8	\$ -
2.5 Slope Stability study and report							0	\$ -
Deliverables							1	\$ -
HOURS SUB-TOTALS	10	25	15	0	0	0	50	
CONTRACT RATE PER HOUR	\$223.38	\$0.00	\$164.13	\$0.00	\$0.00	\$82.80		
TOTAL LABOR COSTS	\$2,233.81	\$0.00	\$2,462.02	\$0.00	\$0.00	\$0.00		\$4,695.83
% DISTRIBUTION OF STAFF HOURS	20.00%	50.00%	30.00%	0.00%	0.00%	0.00%		
TOTAL PROJECT HOURS	10	25	15	0	0	0	50	
PROJECT TOTALS	\$2,233.81	\$0.00	\$2,462.02	\$0.00	\$0.00	\$0.00		\$4,695.83
TOTAL PROJECT % DISTRIBUTION OF STAFF HOURS	20.00%	50.00%	30.00%	0.00%	0.00%	0.00%		

AMEC Foster Wheeler
Winn Road Improvements

Other Direct Expenses	UNITS		RATE		
Lodging/Hotel (Taxes/fees not included)		night	0.00		\$0.00
Meals (overnight stay required)		day	0.00		\$0.00
Rental Car (Tax/fees not included)		day	0.00		\$0.00
Mileage	50	mile	0.56		\$27.75
15 foot boring	0	each	245.00		\$0.00
20 foot boring	0	each	400.00		\$0.00
65 foot boring	2	each	1,750.00		\$3,500.00
Drill rig remob	1	each	500.00		\$500.00
Sieve	4	each	60.00		\$240.00
Atterberg Limits	4	each	60.00		\$240.00
Moisture content	8	each	10.00		\$80.00
Consolidation	0	each	350.00		\$0.00
Direct Shear	2	each	270.00		\$540.00
Traffic Control Devices Rental		each	250.00		\$0.00
Coring Subcontractor	0	each	225.00		\$0.00
11"X17" Color Paper Copies		each	0.00		\$0.00
CADD Plotting		linear foot	0.00		\$0.00
Digital Ortho Plotting		linear foot	0.00		\$0.00
Law Enforcement/Uniform Officer		hour/officer	0.00		\$0.00
Notebooks		each	0.00		\$0.00
Hazardous Materials Database Search		per search	0.00		\$0.00
Backhoe Rental		day	0.00		\$0.00
Boards for Public Meeting		each	0.00		\$0.00
Env. Field Supplies (lathes, stakes, flagging, spray paint, etc.)		day	0.00		\$0.00
Interpreter		hour	0.00		\$0.00
Court Reporter		hour	0.00		\$0.00
Newspaper Advertisement		each	0.00		\$0.00
Other Direct Expense Total					\$5,127.75