

RESOLUTION NO. 41-2009

Offered by All of Council

A RESOLUTION AUTHORIZING THE MAYOR AND THE FINANCE DIRECTOR TO ENTER INTO AN AGREEMENT WITH URS FOR THE DESIGN OF THE SUM-WHEATLEY/BRECKSVILLE ROAD PID 86611 PROJECT AND DECLARING AN EMERGENCY

WHEREAS, Council has determined that it is necessary to make design, construction drawings and bid documents for the Wheatley/Kinross widening, the Wheatley/Brecksville traffic signal design; and (3) the Brecksville and Kinross signal in association with the Ohio Department of Transportation; and

WHEREAS, federal stimulus money is available for these projects.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Richfield, Summit County, State of Ohio, two-thirds of the members elected thereto concurring:

SECTION 1. That the Mayor and the Finance Director be, and they hereby are, authorized and directed to enter into an agreement with URS for the design of the SUM-Wheatley/Brecksville Road PID 86611 Project, a copy of which proposal is attached hereto as Exhibit "A" and incorporated herein fully as if by reference.

SECTION 2. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare and for the further reason that it is immediately necessary in order to allow the project with federal stimulus money to go forward at the earliest possible time; wherefore, provided this Resolution receives the affirmative vote of two-thirds of the members of Council elected or appointed, it shall take effect immediately upon its passage and execution by the Mayor; otherwise, it shall take effect and be in force from and after the earliest period allowed by law.

PASSED: 7/21/09

*Rick Musick*  
President of Council

*William J. ...*  
Mayor

Dated: 7/23/09

ATTEST:  
*Lorayne E. Sullivan*  
Clerk of Council

ATTACHMENT 1

LUMP SUM WORK AUTHORIZATION NO. 002-2009

In accordance with the Agreement for Consulting and Professional Services between The Village of Richfield ("Client"), and URS Corporation - Ohio ("Consultant"), an Ohio corporation, dated June 29, 2009, this Work Authorization describes the Services, Schedule, and Payment Conditions for Consultant's Services on the Project known as:

Traffic Operations Study – Wheatley Road / Brecksville Road Corridor

**Client Authorized**

Representative: Mayor Michael Lyons  
Address: 4410 W. Streetsboro Road  
Richfield, Ohio 44286  
Telephone No.: 330-659-9201

**Consultant Authorized**

Representative: Kevin Westbrook  
Address: 564 White Pond Drive  
Akron, Ohio 44320  
Telephone No.: 330-836-9111

**SERVICES.** The Services shall be described in Attachment A to this Work Order.

**SCHEDULE.** The Estimated Schedule shall be set forth in Attachment A to this Work Authorization. Because of the uncertainties inherent in the Services, Schedules are estimated and are subject to revision unless otherwise specifically described herein.

**PAYMENT AND EQUITABLE ADJUSTMENTS.** This is a lump sum Work Authorization. Consultant's lump sum compensation and provisions for progress and final payments are specified in Attachment A to this Work Authorization. Payment of \$0.00 is due upon signature of this Work Order and will be applied against the final invoice for this Work Authorization. Consultant shall give Client prompt written notice of unanticipated conditions or conditions which are materially different from those anticipated by Consultant at the time the lump sum compensation was agreed upon. If Client wishes Consultant to proceed, Consultant's lump sum compensation shall be subject to equitable adjustment for such conditions.

**TERMS AND CONDITIONS.** The terms and conditions of the Agreement referenced above shall apply to this Work Authorization, except as expressly modified herein.

**ACCEPTANCE** of the terms of this Work Authorization is acknowledged by the following signatures of the Authorized Representatives.

**CLIENT**

**CONSULTANT**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature  
Eric W. Smith, Vice President

\_\_\_\_\_  
Typed Name/Title

\_\_\_\_\_  
Typed Name/Title

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Date of Signature

**ATTACHMENT A**  
**PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES**  
**July 21, 2009**

**SCOPE OF SERVICES**

The following Scope of Services presents a breakdown of the tasks anticipated to be performed in conjunction with this project. This scope is based on information provided in ODOT's Scope of Services and the conclusions of the Traffic Operations study prepared by URS, as well as information in the *Project Development Process Manual (PDP)*. Details of the specific tasks involved are presented as follows:

- Task 1.1 Initial Activities "Kick-Off"** – URS representatives will meet with ODOT and the Village of Richfield to establish an understanding of the project goals and issues. The project team will be identified and a project schedule will be developed.
- Task 1.4 Site Visit** – URS representatives will visit the project site to become familiar with the area and identify any issues related to the proposed project. We will coordinate with ODOT and Village officials to meet at the site if necessary.
- Task 1.7 Purpose and Need (If Authorized)** – URS will prepare a Draft Purpose and Need Statement (P&N) that will be finalized in the Categorical Exclusion document. It will define the transportation problem and identify the need for the project. The Purpose and Need Statement will address the issues in FHWA Technical Advisory T6640.8A. The Purpose and Need Statement will include graphics to display critical conditions.
- Task 1.9 Project Management for Step 2** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.
- Task 3.3 Environmental Field Studies – Prepare Environmental Site Screening Report (If Authorized)** – This proposal follows the guidelines provided by the Ohio Department of Transportation's (ODOT's) environmental evaluation process as detailed in their April 2009 guidance document entitled *Environmental Site Assessment Guidelines*.

**Site Visits** – A site walkover will be conducted to visually inspect the individual parcels for the purpose of determining adjacent areas of potential or apparent contamination. Buildings will not be entered and no interviews are planned for this portion of the work. The walkover will be visual and notes of the walkover will be recorded on field maps carried by the inspector.

Historical Review – Sanborn, Hopkins or equivalent historic maps and/or aerial photographs will be reviewed for information detailing past industrial and commercial users of the properties within the project location. Available maps/aerial photographs will be reviewed to determine land use or industrial to residential changes and to identify suspect locations.

Regulatory Records Database Review - A database listing from U.S. and Ohio Environmental Protection Agency (EPA) files will be requested for the project. The database will also be reviewed to determine the relative proximity of any spills, landfills, uncontrolled sites, RCRA sites, and Superfund sites within 0.5 miles of the alignment.

ESA Site Screening Report - A Judgmental Determination of Phase I sites will be made based on the information determined in the Site Screening of the project area. This will be based on information tabulated in Preliminary Site Screening Checklists that will be created for the Site Screening portion of the project. Based on the checklists, a comprehensive property documentation file will be created for all potential contaminated properties to be acquired. If required and authorized, these sites will be studied further in Task 4.1.

**Task 3.3.1 Prepare Ecological/Cultural Resources Photo Log/MOA Document (If Authorized)** - From secondary sources, it appears that this project will qualify for ODOT's Ecological Memorandum of Agreement (MOA) for minor impacts on streams and wetlands in accordance to the ODOT's 2005 Ecological Manual. Ecological Evaluations will be conducted in order to complete ecological documentation necessary to meet the MOA requirements. In order to accomplish this task, URS will complete a photo documentation log of the project area in order to confirm the lack or scarcity of aquatic and wetland habitats and endangered resources. Wetlands and streams, if encountered, will be delineated. The Ohio Rapid Assessment Method (ORAM) version 5.0 will be used to assess wetland quality and assign wetlands to preliminary protection categories. The Headwaters Habitat Evaluation Index (HHEI), or Qualitative Habitat Evaluation Index (QHEI), will be used to assess aquatic resources within the project study area depending on watershed size. In addition, coordination will be completed to assure endangered species are assessed for the project area. The documentation of ecological resource impacts, if any, will be included. Ecological evaluations will follow the procedures of ODOT's Ecological Manual. Impacts will be assessed and documented in the impacts section of the Ecological MOA Report. Trees which appear to meet the Indiana bat maternity habitat criteria (if any), will be identified and their locations (using GPS) mapped on project mapping. A figure of potential Indiana bat habitat trees will also be included in the MOA Report.

As a cost-cutting measure, URS will conduct a Cultural Resources Field Review and take pictures for the Cultural Resources portion of the Photolog at the same time that the Ecological MOA fieldwork is conducted. The areas to be affected within the project limits have been previously disturbed by road construction activities, installation of utilities and adjacent development. As such, it is concluded that no archaeological sites are present that would be eligible for the National Register of Historic Places. URS will conduct a Field Review/Photo Log for historical architecture resources. Prior to the Field Review/Photo Log, URS will identify buildings more than 50 years old using the Summit County GIS website. Multiple photos will be taken of these structures and associated landscaping and any other substantial features (fences, stone walls, etc.) on such properties.

- Task 3.5 Coordination Point #2 and Scope of Detail Design**
- Task 3.7 Project Management for Step 3** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.
- Task 4.2.4 Maintenance of Traffic** – A conceptual maintenance of traffic plan will be developed for the traffic signal construction. It is anticipated that this will be completed through the use of notes.
- Task 4.2.5 Field Survey** – Topographical survey will be conducted within the project limits for use in developing mapping for the design. The survey may be supplemented with Summit County GIS/aerial photography. OUPS will be contacted prior to the survey to mark utilities in the area. A field review will be made to identify any sight obstructions or other items to be taken into consideration during design. The survey will include establishing reference points, benchmarks, and horizontal and vertical control. Existing monumentation will be recorded.
- Task 4.2.6.2 Existing Property Lines & Title & Deed Research** – Research will be performed to investigate and obtain copies of all adjoining property owner deeds, survey plats (if available) and any recorded centerline of right of way establishment plats for the project intersections. This research will be performed on the County Recorder's web site and at the County courthouse, if needed.
- Task 4.2.6.3 SUE Level B** – All underground utilities will be located through the use of a subsurface utility engineering (SUE) subconsultant. The Basic Scope of Service includes a Level B investigation. The Scope of Service for the SUE is attached to this document. URS will coordinate with the SUE to integrate the investigation into the project mapping.

- Task 4.2.6.3 SUE Test Holes - 4 (If Authorized)** – If authorized, the SUE subconsultant can perform a Level A investigation using four test holes. This would be used at signal pole locations. The If Authorized Scope of Service for the SUE Test Holes is attached to this document. URS will coordinate with the SUE to integrate the investigation into the project mapping.
- Task 4.6 Environmental Commitments Summary (If Authorized)** – URS will prepare a summary of environmental commitments for the project. The summary will be incorporated into the Categorical Exclusion document to be finalized in a later task.
- Task 4.7 Final Categorical Exclusion Document (Level 1) (If Authorized)** – Environmental documentation consists of the preparation of the documentation necessary to receive NEPA clearance. Based on our knowledge of the project, and the assumption that little or no new right-of-way (cumulatively less than an acre) will need to be acquired, it is further assumed a Categorical Exclusion (CE) Level 1 will fulfill the environmental documentation requirements. The current ODOT CE 1 Form version: 11/1/01 will be used for environmental documentation. FHWA and ODOT regulations, guidelines and advisory reports, publications and papers will be used in preparing the environmental assessment documents and supporting environmental reports.
- At this time, no major public controversy is anticipated. From secondary source mapping, it appears that there will be little or no wetland/stream impacts. Prior review and approval of the Purpose and Need discussion is proposed to facilitate the NEPA approval process. These sections of the NEPA documentation can be reviewed while the assessment of proposed project impacts is continuing.
- Task 4.8 Update Cost Estimate** – If necessary, the cost estimate and schedule will be updated.
- Task 4.9 Project Management for Step 4** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.
- Task 5.1.1 Roadway Plans (Integration)** – This item of work will consist of adding the roadway widening plans for Kinross Lakes Parkway (prepared by Arcadis) to the end of the plan package. These plans will not be modified by URS. The plans will be referenced on the Title Sheet and will require the Professional Engineering stamp of the responsible engineer from Arcadis. It is assumed that Arcadis plans will be complete in order to meet the project schedule.

**Task 5.1.3 Traffic Control (Sign and Pavement Markings)** – This item of work consists of modifying the existing pavement markings and signing in the area of the traffic signals to the extent necessary to accommodate the new signals. This does not include a replacement of all signs and pavement markings.

**Task 5.1.4 Signal Plans (3 signals)** – Stage 2 signal plans will be developed for the following intersections:

- a. Brecksville Road/Kinross Lakes Parkway/I-271 NB Off-Ramp
- b. Brecksville Road/Wheatley Road
- c. Brecksville Road/Highlander Parkway

The signal plans will be drawn in a 1"=20' scale and consist of the following elements:

- a. Title sheet
- b. General notes
- c. Plan sheet showing horizontal layout
- d. Timing and phasing diagram
- e. Coordination timing
- f. Wiring diagram
- g. Pole details

A signal coordination plan will be prepared for the interconnection of the three signals.

**Task 5.1.5 Maintenance of Traffic** – Any additional details not developed in 4.2.4 will be completed.

**Task 5.1.6 Lighting Plan** – Lighting will be added to the traffic signal at the intersection of Brecksville Road and Wheatley Road. The lighting will be integrated with the signal plans. Separate lighting plans will not be included.

**Task 5.1.11 Utilities** – A review of signal pole locations will be conducted to avoid utility conflicts.

**Task 5.5 Update Cost Estimate** – If necessary, the cost estimate and schedule will be updated.

**Task 5.6 Project Management for Step 5** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.

**Task 7.1 Stage 3 Detailed Design Plans**

**Task 7.1.1 Quantities and Notes** – The project notes will be completed and included in the plan set. Subsummaries and general summaries will be created and included in the plan set.

- Task 8.1 Final Plan Package** – A final plan package will be compiled. This will include URS prepared plans as well as the roadway widening plans prepared by Arcadis. The Final Engineer's Estimate will be included.
- Task 8.2 Update Cost Estimate** – The final cost estimate will be updated to be included in 8.1.
- Task 8.3 Project Management for Step 8** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.
- Task 9.1 Pre-Bid Questions** – URS has included 8 hours to address pre-bid questions submitted by contractors.
- Task 9.2 Project Management for Step 9** – This task will include URS attendance at project meetings and QA/QC review of all deliverables.
- Task 10.1 On-Going Services** – If requested, URS can provide a separate proposal for On-Going Services during the construction of the project.

## **SCHEDULE**

Assuming a notice to proceed is issued by August 1, 2009, URS will meet the schedule identified in ODOT's Scope of Services. The schedule has Tracings complete in the District office by January 1, 2010. This will give URS approximately five (5) months to complete the plans.

## **PROPOSED FEE**

URS proposes a Lump Sum Fee of Sixty-eight Thousand One Hundred Seventy-six Dollars (\$68,176.00) to complete the Scope of Services as outlined above.

URS proposes a Lump Sum Fee of Twenty-One Thousand Nine Hundred Twenty Dollars (\$21,920.00) to complete the If Authorized Environmental Tasks, as identified above (Tasks 1.7, 3.3, 3.3.1, 3.7, 4.6 & 4.7).

URS proposes a Lump Sum Fee of Nine Thousand One Hundred Forty-seven Dollars (\$9,147.00) to complete the If Authorized SUE Test Holes, as identified above (Task 4.2.6.3).



July 21, 2009

Kevin P. Westbrooks, PE, PTOE  
Traffic Department Manager  
URS Corporation  
Engineers, Architects, Planners  
564 White Pond Drive  
Akron, OH 44320

Re.: SUM-Wheatley Road/Brecksville Road  
PID # 86611  
Village of Richfield, Summit County  
TBE# OH02500300

Dear Mr. Westbrooks:

Please find attached our SUE Estimates to provide Subsurface Utility Engineering (SUE) services for the referenced project. Estimates for Level "B" designating and Level "A" test holes "if authorized" have been separated. The following scope of work is based off a review of the project site.

- Designate (SUE Quality Level "B") the buried utilities at the following intersections;
  1. Brecksville Road at Wheatley Road
  2. Brecksville Road at Kinross Lakes Parkway
  3. Brecksville Road at Highlander Parkway
- Perform 4 Test Holes (SUE Quality Level "A") at conflict points determined by the design consultant "if authorized".
- Gravity sewers are not included in this investigation
- Survey of our utility work will be performed by URS.
- Deliverables will include plans (hardcopy and electronic) showing the horizontal and vertical locations of the utilities.

If you should have any questions, please do not hesitate to contact me.

**TBE GROUP**

A handwritten signature in cursive script that reads 'Keith A. Furukawa'.

Keith A. Furukawa P.E.  
Director

Cc.: Robert L Clemens VP, TBE  
file

**SUE QUALITY LEVEL "A" ESTIMATE BREAKDOWN "IF AUTHORIZED"****UTILITY DESIGNATING SERVICES**

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
Linear Foot	Per Foot	\$1.50	200	\$300.00
Linear Meter	Per Meter			
<b>SUBTOTAL (Total Designating Services)</b>				<b>\$300.00</b>

**SUBSURFACE UTILITY LOCATE (TEST HOLE) SERVICES**

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
0.0 m - 2.00 m or 0.00 ft. - 6.56 ft.	Per Hole	\$1,022.73	3	\$3,068.19
2.01 m - 4.00 m or 6.57 ft. - 13.13 ft.	Per Hole	\$1,448.87	1	\$1,448.87
4.01 m - 6.00 m or 13.14 ft. - 19.70 ft.	Per Hole	\$2,173.31		
Over 6.00 m or Over 19.70 ft.	Per Hole	\$3,477.29		
<b>SUBTOTAL (Total Test Hole Services)</b>				<b>\$4,517.06</b>

**MOBILIZATION/DEMOLIBILIZATION**

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
Vacuum Excavation Truck	Per Mile	\$4.82	40	\$192.80
Designating Vehicle and/or Survey Vehicle	Per Mile	\$3.84	40	\$153.60
Traffic Control Vehicle	Per Mile	\$3.84		
Project Meetings	Each	\$1,170.06	0.5	\$585.03
MOT Costs	At Cost		\$1,200.00	\$1,200.00
<b>SUBTOTAL (Total Mobilization/Demobilization)</b>				<b>\$2,131.43</b>

**DIRECT COST**

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
Project Manager Mileage	Per mile	\$0.505	40	\$20.20
Per Diem	Per day/person	\$31.00		
Hotel	Per day/room plus tax	\$80.00		
Mailing	Each	At Cost		\$20.00
Long Distance Mobile/Faxes	Each	At Cost		
Copies	Each	At Cost		\$20.00
<b>SUBTOTAL (Total Direct Cost)</b>				<b>\$60.20</b>

## UNIT RATES

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
Hourly Designating	Per Hour	\$273.24		
Hourly Locating	Per Hour	\$408.26	4	\$1,633.04
Hourly Surveying	Per Hour	\$185.00		
Hourly Records Research Only	Per Hour	\$114.16		
Hourly CADD	Per Hour	\$80.73		
Professional Surveyor/Engineer	Per Hour	\$171.75	2	\$343.50
Principal	Per Hour	\$249.18		
Plan Checking	Per Foot	\$0.40		
GPR	Per Day	\$3,925.55		
<b>SUBTOTAL (Total Unit Rates)</b>				<b>\$1,976.54</b>
<b>TOTAL COST</b>				<b>\$8,985.23</b>

**SUE QUALITY LEVEL "B" ESTIMATE BREAKDOWN**

**UTILITY DESIGNATING SERVICES**

<b>Agreement Item</b>	<b>Unit</b>	<b>Authorized Rate</b>	<b>Estimated Quantity</b>	<b>Total</b>
Linear Foot	Per Foot	\$1.50	10,000	\$15,000.00
Linear Meter	Per Meter			
<b>SUBTOTAL (Total Designating Services)</b>				<b>\$15,000.00</b>

**SUBSURFACE UTILITY LOCATE (TEST HOLE) SERVICES**

<b>Agreement Item</b>	<b>Unit</b>	<b>Authorized Rate</b>	<b>Estimated Quantity</b>	<b>Total</b>
0.0 m - 2.00 m or 0.00 ft. - 6.56 ft.	Per Hole	\$1,022.73		
2.01 m - 4.00 m or 6.57 ft. - 13.13 ft.	Per Hole	\$1,448.87		
4.01 m - 6.00 m or 13.14 ft. - 19.70 ft.	Per Hole	\$2,173.31		
Over 6.00 m or Over 19.70 ft.	Per Hole	\$3,477.29		
<b>SUBTOTAL (Total Test Hole Services)</b>				<b>\$0.00</b>

**MOBILIZATION/DEMobilIZATION**

<b>Agreement Item</b>	<b>Unit</b>	<b>Authorized Rate</b>	<b>Estimated Quantity</b>	<b>Total</b>
Vacuum Excavation Truck	Per Mile	\$4.82		
Designating Vehicle and/or Survey Vehicle	Per Mile	\$3.84	40	\$153.60
Traffic Control Vehicle	Per Mile	\$3.84		
Project Meetings	Each	\$1,170.06	0.5	\$585.03
MOT Costs	At Cost			
<b>SUBTOTAL (Total Mobilization/Demobilization)</b>				<b>\$738.63</b>

**DIRECT COST**

<b>Agreement Item</b>	<b>Unit</b>	<b>Authorized Rate</b>	<b>Estimated Quantity</b>	<b>Total</b>
Project Manager Mileage	Per mile	\$0.505	40	\$20.20
Per Diem	Per day/person	\$31.00		
Hotel	Per day/room plus tax	\$80.00		
Mailing	Each	At Cost		\$20.00
Long Distance Mobile/Faxes	Each	At Cost		
Copies	Each	At Cost		\$20.00
<b>SUBTOTAL (Total Direct Cost)</b>				<b>\$60.20</b>

## UNIT RATES

Agreement Item	Unit	Authorized Rate	Estimated Quantity	Total
Hourly Designating	Per Hour	\$273.24	8	\$2,185.92
Hourly Locating	Per Hour	\$408.26		
Hourly Surveying	Per Hour	\$185.00		
Hourly Records Research Only	Per Hour	\$114.16	2	\$228.32
Hourly CADD	Per Hour	\$80.73		
Professional Surveyor/Engineer	Per Hour	\$171.75	2	\$343.50
Principal	Per Hour	\$249.18		
Plan Checking	Per Foot	\$0.40		
GPR	Per Day	\$3,925.55		
<b>SUBTOTAL (Total Unit Rates)</b>				<b>\$2,757.74</b>

<b>TOTAL COST</b>	<b>\$18,556.57</b>
-------------------	--------------------

**SUM-WHEATLEY/BRECKSVILLE ROAD IMPROVEMENTS**  
Richfield, Ohio

TASK	PROJECT MANAGER / SENIOR TRAFFIC ENGINEER	SENIOR ENVIRONMENTAL ENGINEER	SENIOR ENGINEER / DESIGNER	PROJECT ENGINEER	CADD TECH	SURVEY MANAGER	2 MAN SURVEY CREW	CLERICAL	TOTAL DIRECT LABOR	LABOR x MULTIPLIER	SUBCON-SULTANT	DIRECT COSTS	BASE FEE	IF AUTHORIZED FEE
<b>Step 1</b>										2.7				
1.1 Initial Activities "Kick-Off"	4			4					\$348	\$ 940		\$ 25	\$ 965	
1.4 Site Visit	4			5					\$ 468	\$ 1,264		\$ 25	\$ 1,289	\$ 2,730
1.7 Purpose and Need (If Authorized)		18	3						\$ 1,011	\$ 2,730				
1.9 Project Management for Step 2	1								\$ 47	\$ 127				
<b>Step 3</b>														
3.3.1 ESA Site Screening (If Authorized)		4	8	45	12			6	\$ 2,242	\$ 6,053		\$ 1,200		\$ 7,253
3.3.2 Cultural/Ecological Photo Log and MCA (If Authorized)	2	8		5	24			2	\$ 1,212	\$ 3,272		\$ 300		\$ 3,572
3.5 Coordination Point #2 and Scope of Detail Design	3								\$ 167	\$ 450				\$ 450
3.7 Project Management for Step 3 (If Authorized)									\$ 208	\$ 562				
<b>Step 4</b>														
4.2.4 Maintenance of Traffic	1			4	4				\$ 2,697	\$ 7,282				\$ 7,282
4.2.5 Field Survey	1			24		12	32		\$ 617	\$ 1,666		\$ 50		\$ 1,716
4.2.6.2 Existing Property Lines & Titles & Deed Research	2			16		2			\$ 354	\$ 956	\$ 18,557			\$ 19,512
4.2.6.3 SUE Level B				8					\$ 60	\$ 162	\$ 8,985			\$ 9,147
4.2.6.3 SUE Test Holes - 4 (If Authorized)				2				1	\$ 459	\$ 1,239				\$ 1,239
4.6 Environmental Commitments Summary (If Authorized)	1	8	1					8	\$ 2,361	\$ 6,375		\$ 300		\$ 6,675
4.7 Final Categorical Exclusion (If Authorized)	1	40	5					1	\$ 139	\$ 375				\$ 375
4.8 Update Cost Estimate	4			2					\$ 242	\$ 654				\$ 654
4.9 Project Management for Step 4									\$ 177	\$ 478				\$ 478
<b>Step 5</b>														
5.1.1 Roadway Plans (Incorporates)	1			4					\$ 277	\$ 748				\$ 748
5.1.3 Traffic Control (Sign and Pavement Markings)	12			72					\$ 5,508	\$ 14,872				\$ 14,872
5.1.4 Signal Plans (3 Signals)									\$ -	\$ -				\$ -
5.1.5 Manholes of Traffic	1			12					\$ 120	\$ 324				\$ 324
5.1.6 Utility Plan	1			4					\$ 117	\$ 318				\$ 318
5.1.7 Update Cost Estimate	1			2					\$ 500	\$ 2,430				\$ 2,430
5.8 Project Management for Step 5	8			12					\$ -	\$ -				\$ -
<b>Step 7</b>														
7.1 Step 3 Detailed Design Plans	2			12					\$ 918	\$ 2,479				\$ 2,479
7.1.1 Obstacles and Notes	12			24					\$ 2,282	\$ 6,188				\$ 6,188
7.1.2 Traffic Signal Plans	2			4					\$ 294	\$ 832				\$ 832
7.2 Update Cost Estimate	2			12					\$ 552	\$ 1,491				\$ 1,491
7.3 Project Management for Step 7									\$ -	\$ -				\$ -
<b>Step 8</b>														
8.1 Final Plan Package	4			24				2	\$ 982	\$ 2,678		\$ 200		\$ 2,878
8.2 Update Cost Estimate	1			2					\$ 117	\$ 316				\$ 316
8.3 Project Management for Step 8	1								\$ 40	\$ 108				\$ 108
<b>Step 9</b>														
9.1 Pre-Bid Questions	1			8					\$ 240	\$ 648				\$ 648
9.2 Project Management for Step 9									\$ 57	\$ 154				\$ 154
<b>Step 10</b>														
10.1 On-Going Services									\$ -	\$ -				\$ -
<b>Project Totals</b>	71	78	152	297	40	14	32	20	\$ 25,778	\$ 89,601	\$ 27,542	\$ 2,100	\$ 88,176	\$ 31,067