

AMNDATORY DESIGN SERVICES AGREEMENT

THIS AMENDATORY AGREEMENT, made between the **CITY AND COUNTY OF DENVER**, a municipal corporation of the State of Colorado ("City"), and **HUITT-ZOLLARS, INC.** (the "Design Consultant"), a Texas corporation, address is 4582 South Ulster Street, Suite 240, Denver, Colorado 80237-2639.

RECITALS:

A. The City and Design Consultant entered into an Agreement dated March 23, 2010 to obtain professional architecture and engineering design services in support of the University & Josephine 1st to 6th Avenue Street Reconstruction, N. University Outfall (CCN), and Cherry Creek East Basin (CCE) (the "Project"); and

B. The Consultant and the City have negotiated a Supplemental Scope of Services and Fee Proposal for the Project, a copy of which is attached hereto as **Exhibit A-1**;

NOW, THEREFORE, in consideration of the premises and the mutual covenants and obligations herein set forth, the parties hereto mutually agree as follows:

1. All references to "...Exhibit A ..." in the Existing Agreement shall be amended to read: "...Exhibit A-1, as applicable...". The Scope of marked as Exhibit A-1 attached to this Amendatory Agreement is hereby incorporated herein by reference.

2. Paragraph 2.07 entitled "**Basic Services – Phase Specific**", of the Agreement, is hereby deleted in its entirety and replaced with:

"2.07 Basic Services - Phase Specific. In the interest of tracking progress towards completion of all work items necessary to complete the Project specified herein, the required Basic Services tasks which must be performed on each Project have been separated into phases. As applicable for the Project, the Design Consultant shall satisfactorily complete all work necessary to complete each phase as specifically set out in **Exhibit A-1**."

3. In Subparagraph (b) of Paragraph 2.08 entitled "**Additional Services**.", of the Agreement, is hereby deleted in its entirety and replaced with:

"(b) Before providing any such services, the Design Consultant first shall file with the City, and secure the City's written approval of, a complete

description of the proposed services including an estimate of the maximum cost of any and all such services, on the basis set out in **Exhibit A-1**, of rates per hour, per day, or other basis of cost. Such description shall also include a statement from the Design Consultant that the maximum cost of such services will not cause the total amount payable to the Design Consultant under this Agreement to exceed the maximum contract amount. In no event shall any form of authorization or pre-approval of additional services be deemed valid or binding upon either the City or the Design Consultant if the maximum cost of such services would cause the aggregate amount payable under this Agreement to exceed the maximum contract amount. Payment for additional services shall not, in any event, exceed the cost estimated by the Design Consultant and approved in writing by the City.”

4. Paragraph 3.01 entitled **Fee for basic services.** of the Agreement, is hereby deleted in its entirety and replaced with:

3.01 Fee for basic services. The City agrees to pay the Design Consultant, as full compensation for its basic services rendered hereunder, a fee not to exceed Seven Hundred Ninety-Nine Thousand, One Hundred Sixty-Five Dollars and Thirty-Six Cents (\$799,165.36), in accordance with the billing rates and project budget stated in Exhibit A. The amounts budgeted for phases may be increased or decreased, and the amounts allocated for services and expenses adjusted, upon written approval of the Manager or his designee, and subject to the Maximum Contract Amount stated in this Section 3.

5. Paragraph 3.05(a) entitled **Maximum Contract Amount.** of the Agreement, is hereby deleted in its entirety and replaced with:

“3.05 Maximum Contract Amount.

(a) Notwithstanding any other provision of the Agreement, the City’s maximum payment obligation will not exceed **NINE HUNDRED FIFTY-SIX THOUSAND, NINE HUNDRED DOLLARS AND THIRTY-SIX CENTS (\$956,900.36)** (the “Maximum Contract Amount”). The City is not obligated to execute an Agreement or any amendments for any further services, including any services performed by Design Consultant beyond that specifically described in Exhibit A. Any services performed beyond those set forth therein are performed at Design Consultant’s risk and without authorization under the Agreement.”

6. Paragraph 4.01 entitled **Term.** of the Agreement, is hereby deleted in its entirety and replaced with:

“4.01 Term. The term of this Agreement commenced on March 23, 2010 and will expire on December 31, 2013”

7. Paragraph 5.29, entitled “**ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS**,” is hereby added to the Contract to read as follows:

“5.29 ELECTRONIC SIGNATURES AND ELECTRONIC RECORDS: Design Consultant consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the City in the manner specified by the City. The Parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties agree not to object to the admissibility of the Agreement in the form of an electronic record, or a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.”

8. As herein amended, the Agreement is affirmed and ratified in each and every particular.

[SIGNATURE PAGE TO FOLLOW]

Contract Control Number:

IN WITNESS WHEREOF, the parties have set their hands and affixed their seals at Denver, Colorado as of

SEAL

CITY AND COUNTY OF DENVER

ATTEST:

By _____

APPROVED AS TO FORM:

REGISTERED AND COUNTERSIGNED:

By _____

By _____

By _____



Contract Control Number: PWADM-CE91238-01

Contractor Name: HUITT-ZOLLARS INC

By: 

Name: KIM R. KEMPER, P.E.
(please print)

Title: SENIOR V.P.
(please print)

ATTEST: [if required]

By: 

Name: BRIAN D. MCLAREN
(please print)

Title: PROJECT MANAGER
(please print)



EXHIBIT A-1

EXHIBIT A-1

Scope of Services

This additional work consists of the following items:

The City and County of Denver has requested additional signal replacement as part of this project. Additional traffic signal design at the intersections of 1st & University, 2nd & Josephine, 2nd & University, 3rd & Josephine, and 3rd & University will be incorporated into this project. The work shall include removal of existing equipment, abandonment of existing signal pole foundations, and new signal poles and foundations per CCD Standards. Centennial Engineering will perform the majority of this work; detailed cost breakdown is included in this letter.

Additional potholing services to locate existing utilities along the project corridor. It was determined during a meeting on 11-01-2010 to budget for additional potholes within the project limits. It was determined in the meeting to budget for 60 additional pothole locations. Subsequent utility mapping has indicated a need for 82 locations to be potholed. HCL Engineering & Surveying will provide the overall locating and mapping services with Utility Locating & Mapping Consultants (ULMC) providing the field services.

Additional Surveying Services. There are additional items survey items required to complete the scope of services for the project. There are several finished floor elevations requested to determine flooding impacts. There is a new wall constructed in Manley Park which needs to be incorporated into the design files. A request for Temporary Construction Easements has been made by the City for several locations within the project limits. These items are referenced in the attached proposal from HCL Engineering and noted as Tasks B – D.

Landscape and Irrigation services have been requested to mitigate impacts to Manley Park and the outfall location at Cherry Creek. There will be considerable impacts to these 2 locations and the City & County of Denver has requested the services of a Landscape Architect to provide professional design to mitigate these 2 locations. Applied Design Services (ADS) has been selected for this work. ADS is part of Huitt-Zollars' On-Call contract with CCD and has provided services to Denver Parks in the past. A scope and fee letter from ADS is attached to this proposal.

Estimated Cost

The estimated additional cost for this work is \$76,844.00.

Additional Traffic Signal Design	\$20,064.00
Additional Utility Potholing	\$43,500.00
Additional Survey Services	\$ 5,280.00
<u>Landscape & Irrigation Design Services</u>	<u>\$ 8,000.00</u>
Total	\$ 76,844.00



HUITT-ZOLLARS, INC.

University Josephine 1st to 6th Avenue Reconstruction
N. University Outfall (CCN) and Cherry Creek East Basin (CCE)
City & County of Denver (CCD) Contract # CE 91238

Change Proposal #1 for the Design of Additional New Traffic Signals

Centennial Engineering, Inc. (CEI) Project # 10006.000

January 6, 2011

In 2009, the City & County of Denver (CCD) retained Huitt-Zollars, Inc. (H-Z) to develop plans to reconstruct University Boulevard and Josephine Street between 1st and 6th Avenues. Under that contract, H-Z retained CEI's services to prepare traffic engineering drawings for signing, striping, construction traffic control and signals. The original scope was limited to replacement of the two span-wire signal installations at 4th & University and 4th & Josephine; while the remaining signals between 1st and 6th Avenues were to remain. Since that time, CCD has determined it is in the City's best interests to replace the signals south of 4th Avenue within the project limits as well. CEI therefore proposes to prepare design plans for new signal installations at the following locations:

- 3rd Avenue & University Boulevard;
- 3rd Avenue & Josephine Street;
- 2nd Avenue & University Boulevard;
- 2nd Avenue & Josephine Street;
- 1st Avenue & University Boulevard.

The existing traffic signals at University Boulevard and Cherry Creek North Drive; 6th Avenue & York Street; and 6th Avenue & Josephine Street are assumed to remain in place without modification.

Three plan sheets will be developed for each location: 1] removals; 2] installation; and 3] overhead signing. The signal plans for the proposed intersections on 1st, 2nd and 3rd Avenues will be merged with the signal sheets including those at 4th Avenue to yield a homogeneous plan sub-set for insertion into H-Z's bid documents.

SCOPE OF WORK

CEI ("the Consultant") will provide professional engineering support to H-Z and CCD. Accordingly, and as directed by H-Z Project Manager Chuck Weiss, CEI will develop design, drafting and QA/QC services as needed to support the traffic signal design effort at the five additional referenced locations.

CEI will use topographic mapping provided by H-Z as the basis for all plan sheets at each location.

A. Task Management and Administration

The Consultant will develop progress reports and invoices for services rendered on a monthly basis in accordance with the base contract. Management of the overall work, project-specific coordination with H-Z and/or TES and day-to-day progression of work will be accomplished directly by the Consultant.

B. Design Stage

The Consultant will develop base sheets for each intersection. A field inventory will be undertaken to identify those items subject to removal, as well as existing features pertinent to the final design, such as: presence of overhead electric lines or other visible utilities; existing features including curb ramps and islands; existing detection; existing preemption; and so on. Removal plan sheets will be developed accordingly. A number of design issues may need to be addressed for the proposed installations. These issues could include but are not limited to: number and types of signal heads; types of detection; existing and proposed phasing; overhead signing requirements; power; interconnect issues if any; and so on. As deemed needed by H-Z or CCD, meetings may be conducted to discuss features of individual signal locations. Any such meetings will take place at CCD offices or in the field.

C. Deliverable Items

The deliverables for this project include the following:

- Plan sheets in electronic format developed by the Consultant as directed by CCD. All such submittals will be checked for completeness, correctness and quality assurance prior to submission to H-Z.

D. Period of Performance

The schedule for this work will extend from notice-to-proceed through December 31, 2011, or until H-Z/CEI subcontract funding has been expended; whichever comes first. The Consultant understands that additional services beyond the amounts described herein may only be undertaken with the approval of H-Z and only initiated upon receipt of written NTP for such additional services.

E. Task Order Estimated Costs

Costs for completion of the project by CEI staff are detailed in the following table. Costs for completion will not exceed the indicated total without written authorization from H-Z. Hourly rates are as listed in the contract.

We are looking forward to the opportunity to work with H-Z and CCD. Please notify us if you need additional information or if we can be of further assistance.



Steven J. Sabinash, P.E.
Centennial Engineering, Inc.
President

January 6, 2011

SCOPE OF WORK
UNIVERSITY / JOSEPHINE PROJECT
Change Proposal #1 for the Design of Additional Traffic Signals
CEI Project #10006.000
January 6, 2011
Page 3

Task	Sabinash Hours	Sabinash \$\$\$•	Mills Hours	Mills \$\$\$••	Total Hours	Total \$\$\$
ADMINISTRATION AND PRELIMINARY DESIGN						
1. Project Administration	10	\$1,295.00			10	\$1,295.00
2. Set Up Base Sheets (5 i/s)			12	\$1,149.96	12	\$1,149.96
3. Site Visits/Field Inventories	8	\$1,036.00			8	\$1,036.00
4. Preliminary Design Layout	5	\$647.50	3	\$287.49	8	\$934.99
SUBTOTAL	23	\$2,978.50	15	\$1,437.45	38	\$4,415.95
DESIGN STAGE						
5. Meetings TES	4	\$518.00			4	\$518.00
6. Design/Draft Removals (5 i/s)	7	\$906.50	12	\$1,149.96	19	\$2,056.46
7. Design/Draft New (Signal+ OH Sign)						
a. 1 st & University	9	\$1,165.50	9	\$862.47	18	\$2,027.97
b. 2 nd & University	4	\$518.00	5	\$479.15	9	\$997.15
c. 2 nd & Josephine	4	\$518.00	5	\$479.15	9	\$997.15
d. 3 rd & University	4	\$518.00	5	\$479.15	9	\$997.15
e. 3 rd & Josephine	4	\$518.00	5	\$479.15	9	\$997.15
8. Interconnect Tie-In						
9. Miscellaneous Field Checks	5	\$647.50			5	\$647.50
10. QA/QC	3	\$388.50	2	\$191.66	5	\$580.16
11. Tweak Specifications	3	\$388.50			3	\$388.50
12. Post FOR Revisions	4	\$518.00	7	\$670.81	11	\$1,188.81
13. Final Changes for Ad	2	\$259.00	4	\$383.32	6	\$642.32
	53	\$6,863.50	54	\$5,174.82	107	\$12,038.32
OVERALL SUBTOTAL	76	\$9,842.00	69	\$6,612.27	145	\$16,454.27
14. Directs Mileage						\$100.00
15. Directs Parking CBD						\$20.00
TOTAL TASK ORDER COST						\$16,574.27

- Approved Contract Rate for Principal/Senior Engineer \$129.50
- Approved Contract Rate for Senior Technician \$95.83

SUBCONTRACT SUMMARY	
Previous CEI Subcontract Total	\$72,978.43
Change Proposal #1	\$16,574.27
Proposed Subcontract Total	\$89,552.70

Task	Workhours									Cost				Comments
	PIC QA/QC	PM	SE	PE	EI	TE	CADD	AA	Total	Labor	Direct Expense	Sub Consultant	Total	
Design Services	\$200.00	\$180.00	\$150.00	\$115.00	\$92.00	\$92.00	\$92.00	\$70.00						
C. Progress Meetings & Project Programming														
Progress Meetings		4							4	\$ 720		\$ 1,933	\$ 2,653	
Project Management & Administration		4							4	\$ 720			\$ 720	
Sub-Total	0	8	0	0	0	0	0	0	8	\$ 1,440	\$ -	\$ 1,933	\$ 3,373	
D. Field Surveys														
Land Survey	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Field Surveys & Mapping									0	\$ -			\$ -	
Right-of-Way Surveys									0	\$ -			\$ -	
Prepare Survey Control Map									0	\$ -			\$ -	
Utility Research & Coordination									0	\$ -			\$ -	
Locate Existing Trolley, Street Car, & Light Rail Tracks									0	\$ -			\$ -	
Locate Culvert and/or Storm Sewer Pipes & Inlets									0	\$ -			\$ -	
Prepare Base Map									0	\$ -			\$ -	
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Obtain Traffic Counts									0	\$ -			\$ -	
Develop Concepts for Maintenance of Access & Traffic During Construction									0	\$ -			\$ -	
Inventory Existing Traffic Controls									0	\$ -			\$ -	
Inventory & Assess Impacts to Signal Interconnect & Other ITS									0	\$ -			\$ -	
Geotechnical & Environmental Investigations	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Soils & Pavement Investigation & Design									0	\$ -			\$ -	
Hazardous Materials/Environmental Investigations									0	\$ -			\$ -	
Field Survey Report									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
E. Project Coordination & Public Outreach														
Communicating & Resolving Project Issues									0	\$ -			\$ -	
Public Information Meetings (2 minimum)									0	\$ -			\$ -	
Agency & Stakeholder Coordination									0	\$ -			\$ -	
City & County of Denver Engineering Coordination									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
F. Preliminary Design														
Traffic Engineering	0	1	0	2	0	0	0	0	3	\$ 410	\$ -	\$ 3,121	\$ 3,531	
Preliminary Signing & Pavement Marking Plans									0	\$ -			\$ -	
Preliminary Traffic Signal Plans			1	2					3	\$ 410		\$ 3,121	\$ 3,531	
Preliminary Construction Phasing Plan									0	\$ -			\$ -	
Preliminary Construction Traffic Control Plan									0	\$ -			\$ -	
Roadway & Intersection Design	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Preliminary Plan & Profile Sheets									0	\$ -			\$ -	
Preliminary Intersection Layouts									0	\$ -			\$ -	
Preliminary Special Details									0	\$ -			\$ -	
Preliminary Cross Sections									0	\$ -			\$ -	
Preliminary Jointing Plan									0	\$ -			\$ -	
Erosion Control Plans									0	\$ -			\$ -	
Survey Control Drawings									0	\$ -			\$ -	
Utility Relocation Plans & Coordination									0	\$ -			\$ -	
Storm Drainage	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Evaluate Existing Storm Drainage Information									0	\$ -			\$ -	
Drainage Report									0	\$ -			\$ -	
Preliminary Drainage Plans									0	\$ -			\$ -	
Preliminary Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Prepare & Compile Preliminary Design Plans									0	\$ -			\$ -	
Prepare Preliminary Cost Estimate									0	\$ -			\$ -	
Prepare Preliminary Design & Construction Schedule									0	\$ -			\$ -	
Reproduce & Distribute Preliminary Plans for Review									0	\$ -			\$ -	
Preliminary Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Organize & Conduct Preliminary Design Review Meeting									0	\$ -			\$ -	
Prepare & Distribute Preliminary Design Review Meeting Minutes									0	\$ -			\$ -	
Resolve Design Questions									0	\$ -			\$ -	
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -	
Post Preliminary Design Review Revisions									0	\$ -			\$ -	
Sub-Total	0	1	0	2	0	0	0	0	3	\$ 410	0	\$ 3,121	\$ 3,531	
G. Final Design														
Traffic Engineering	0	4	0	8	0	0	0	0	12	\$ 1,640	\$ -	\$ 11,520	\$ 13,160	
Permanent Signing/Pavement Marking Plans									0	\$ -			\$ -	
Traffic Signal Plans		4		8					12	\$ 1,640		\$ 11,520	\$ 13,160	
Traffic Control Plans									0	\$ -			\$ -	
Erosion Control Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Final Sediment & Erosion Control Plans									0	\$ -			\$ -	
Final Stormwater Management Plans (SWMP)									0	\$ -			\$ -	
Estimate Quantities									0	\$ -			\$ -	
Utility Coordination & Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Utility Clearance Letters									0	\$ -			\$ -	
Utility Agreements									0	\$ -			\$ -	
Final Utility Plans									0	\$ -			\$ -	
Final Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Prepare & Compile Final Design Plans									0	\$ -			\$ -	
Calculate Plan Quantities & Prepare Tabulation Sheets									0	\$ -			\$ -	
Prepare Final Cost Estimate									0	\$ -			\$ -	
Prepare Technical Specifications/Project Special Provisions									0	\$ -			\$ -	
Reproduce & Distribute Final Plans for Review									0	\$ -			\$ -	
Final Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Organize & Conduct Final Design Review Meeting									0	\$ -			\$ -	
Prepare & Distribute Final Design Review Meeting Minutes									0	\$ -			\$ -	
Resolve Design Questions									0	\$ -			\$ -	
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -	
Sub-Total	0	4	0	8	0	0	0	0	12	\$ 1,640	0	\$ 11,520	\$ 13,160	
H. Construction Contract Documents (100% Level)														
Revise Plans, Specifications & Studies to Reflect Final Design Review									0	\$ -			\$ -	
Prepare & Submit Design Notebook									0	\$ -			\$ -	
Distribute Final Signed/Sealed Construction Plans									0	\$ -			\$ -	
Prepare & Submit Electronic Data (Plans, specs, reports, calculations, etc.)									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Total	0	13	0	10	0	0	0	0	23	\$ 3,490	0	\$ 16,574	\$ 20,064	



9570 Kingston Court, Suite 310
Englewood, CO 80112
Phone 303/773-1605
Fax 303/773-3297
www.hclengineering.com

January 6, 2011

Mr. Chuck Weiss, PE, LEED AP, CFM
Huitt-Zollars, Inc.
4582 S. Ulster, Ste 240
Denver, CO 80237

Re: Proposal for Professional Surveying Services
University & Josephine Potholes (Phase 2), City and County of Denver, Colorado

Dear Chuck:

HCL Engineering & Surveying, LLC (HCL) is pleased to offer our proposal to provide professional surveying services for the above-referenced project.

SCOPE OF SERVICES

Task A – Site Meeting

HCL Engineering & Surveying, LLC will attend a field kick-off meeting with the appropriate parties.

Task E - Pothole Locations

HCL will stake out and subsequently field survey eighty-two (82) utility potholes and their associated underground utility paint marks once they have been drilled. For this task HCL will utilize the pothole locations as identified by Huitt-Zollars on the Utility Plan Sheets dated 10/08/2010 and sent on 01/06/11.

FEES

For the professional services described herein, HCL proposes to be compensated in accordance with our attached Charge Rate Fee Schedule for a total fee not-to-exceed **\$33,320.00**. Our fee breakdown is as follows:

Task A – Meetings.....	\$230.00
Task B – Utility Pothole Location Surveys	\$8,600.00

The separate associated sub-consultant fees for the professional services described herein are as follows:

Sub-consultant: Utility Locating & Mapping Consultants.....	\$24,490.00
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Sincerely,

HCL Engineering & Surveying, LLC

Robert C. Maestas, PLS CO NM AZ UT
Director of Surveying & Mapping Services



9570 Kingston Court, Suite 310
 Englewood, CO 80112
 Phone 303/773-1605
 Fax 303/773-3297
 www.hclengineering.com

STANDARD BILLING RATE SCHEDULE 2010

PERSONNEL CLASSIFICATION	BILLING RATE/ HOUR
Principal	\$130.00
Project Manager	\$110.00
Project Engineer	\$ 90.00
Senior Designer	\$ 80.00
CAD Operator	\$ 70.00
Office/Field Engineer	\$ 80.00
Survey Manager	\$ 115.00
Survey Technician	\$ 75.00
Survey Crew (2-Man)	\$ 125.00
GPS Robotics	\$ 105.00
Construction Manager	\$ 105.00
Construction Field Superintendent / Inspector	\$ 75.00
Administrative	\$ 50.00

SCHEDULE OF REIMBURSABLE EXPENSES

EXPENSE OR SERVICE	BILLING RATE
Mileage (outside the Denver metropolitan area)	\$0.50/mi
Photocopies (8½" x 11", 8½" x 14". Etc.) not routine to projects or reports	\$0.20/ea
Diazo/Blueline, and Blackline Prints	\$0.20/sf
Xerox Copies of Printing (larger format sheets 24x36)	\$2.00/sht
Diazo or Xerox Reproduction on Mylar	\$25.00/sht
Diazo or Xerox Reproduction Velum	\$10.00/sht
Outside Materials/Services/Supplies	Cost + 10%

EFFECTIVE 1/01/10

Task	Workhours									Cost			
	PIC QA/QC	PM	SE	PE	EI	TE	CADD	AA	Total	Labor	Direct Expense	Sub Consultant	Total
Design Services	\$200.00	\$180.00	\$150.00	\$115.00	\$92.00	\$92.00	\$92.00	\$70.00					
C. Progress Meetings & Project Programming													
Progress Meetings									0	\$ -			\$ -
Project Management & Administration									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
D. Field Surveys													
Land Survey	2	10	0	30	40	0	0	0	82	\$ 9,330	\$ 850	\$ 33,320	\$ 43,500
Field Surveys & Mapping									0	\$ -			\$ -
Right-of-Way Surveys									0	\$ -			\$ -
Prepare Survey Control Map									0	\$ -			\$ -
Utility Research & Coordination	2	10		30	40				82	\$ 9,330	\$ 850	\$ 33,320	\$ 43,500
Locate Existing Trolley, Street Car, & Light Rail Tracks									0	\$ -			\$ -
Locate Culvert and/or Storm Sewer Pipes & Inlets									0	\$ -			\$ -
Prepare Base Map									0	\$ -			\$ -
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Obtain Traffic Counts									0	\$ -			\$ -
Develop Concepts for Maintenance of Access & Traffic During Construction									0	\$ -			\$ -
Inventory Existing Traffic Controls									0	\$ -			\$ -
Inventory & Assess Impacts to Signal Interconnect & Other ITS									0	\$ -			\$ -
Geotechnical & Environmental Investigations	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Soils & Pavement Investigation & Design									0	\$ -			\$ -
Hazardous Materials/Environmental Investigations									0	\$ -			\$ -
Field Survey Report									0	\$ -			\$ -
Sub-Total	2	10	0	30	40	0	0	0	82	\$ 9,330	\$ 850	\$ 33,320	\$ 43,500
E. Project Coordination & Public Outreach													
Communicating & Resolving Project Issues									0	\$ -			\$ -
Public Information Meetings (2 minimum)									0	\$ -			\$ -
Agency & Stakeholder Coordination									0	\$ -			\$ -
City & County of Denver Engineering Coordination									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
F. Preliminary Design													
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Preliminary Signing & Pavement Marking Plans									0	\$ -			\$ -
Preliminary Traffic Signal Plans									0	\$ -			\$ -
Preliminary Construction Phasing Plan									0	\$ -			\$ -
Preliminary Construction Traffic Control Plan									0	\$ -			\$ -
Roadway & Intersection Design	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Preliminary Plan & Profile Sheets									0	\$ -			\$ -
Preliminary Intersection Layouts									0	\$ -			\$ -
Preliminary Special Details									0	\$ -			\$ -
Preliminary Cross Sections									0	\$ -			\$ -
Preliminary Jointing Plan									0	\$ -			\$ -
Erosion Control Plans									0	\$ -			\$ -
Survey Control Drawings									0	\$ -			\$ -
Utility Relocation Plans & Coordination									0	\$ -			\$ -
Storm Drainage	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Evaluate Existing Storm Drainage Information									0	\$ -			\$ -
Drainage Report									0	\$ -			\$ -
Preliminary Drainage Plans									0	\$ -			\$ -
Preliminary Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Prepare & Compile Preliminary Design Plans									0	\$ -			\$ -
Prepare Preliminary Cost Estimate									0	\$ -			\$ -
Prepare Preliminary Design & Construction Schedule									0	\$ -			\$ -
Reproduce & Distribute Preliminary Plans for Review									0	\$ -			\$ -
Preliminary Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Organize & Conduct Preliminary Design Review Meeting									0	\$ -			\$ -
Prepare & Distribute Preliminary Design Review Meeting Minutes									0	\$ -			\$ -
Resolve Design Questions									0	\$ -			\$ -
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -
Post Preliminary Design Review Revisions									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
G. Final Design													
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Permanent Signing/Pavement Marking Plans									0	\$ -			\$ -
Traffic Signal Plans									0	\$ -			\$ -
Traffic Control Plans									0	\$ -			\$ -
Erosion Control Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Final Sediment & Erosion Control Plans									0	\$ -			\$ -
Final Stormwater Management Plans (SWMP)									0	\$ -			\$ -
Estimate Quantities									0	\$ -			\$ -
Utility Coordination & Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Utility Clearance Letters									0	\$ -			\$ -
Utility Agreements									0	\$ -			\$ -
Final Utility Plans									0	\$ -			\$ -
Final Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Prepare & Compile Final Design Plans									0	\$ -	\$ -	\$ -	\$ -
Calculate Plan Quantities & Prepare Tabulation Sheets									0	\$ -			\$ -
Prepare Final Cost Estimate									0	\$ -			\$ -
Prepare Technical Specifications/Project Special Provisions									0	\$ -			\$ -
Reproduce & Distribute Final Plans for Review									0	\$ -			\$ -
Final Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Organize & Conduct Final Design Review Meeting									0	\$ -			\$ -
Prepare & Distribute Final Design Review Meeting Minutes									0	\$ -			\$ -
Resolve Design Questions									0	\$ -			\$ -
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
H. Construction Contract Documents (100% Level)													
Revise Plans, Specifications & Studies to Reflect Final Design Review									0	\$ -			\$ -
Prepare & Submit Design Notebook									0	\$ -			\$ -
Distribute Final Signed/Sealed Construction Plans									0	\$ -			\$ -
Prepare & Submit Electronic Data (Plans, specs, reports, calculations, etc.)									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Total	2	10	0	30	40	0	0	0	82	9,330	850	33,320	43,500



9570 Kingston Court, Suite 310
Englewood, CO 80112
Phone 303/773-1605
Fax 303/773-3297
www.hclengineering.com

January 6, 2011

Mr. Chuck Weiss, PE, LEED AP, CFM
Huitt-Zollars, Inc.
4582 S. Ulster, Ste 240
Denver, CO 80237

Re: Proposal for Professional Surveying Services
University & Josephine – Additional Survey
City and County of Denver, Colorado

Dear Chuck:

HCL Engineering & Surveying, LLC (HCL) is pleased to offer our proposal to provide professional surveying services for the above-referenced project.

SCOPE OF SERVICES

Task A – Topographic Survey

HCL will obtain, by field methods, existing visible planimetric features and topography at a one-foot (1') contour interval. The topographic survey will include existing edges of pavement, centerline, curb/gutter, striping, culverts, sidewalks, surface utility evidence, underground utility locates, decorative features, landscaping and other identifiable planimetric features. The areas of topographic survey include:

- 4th Street from St. Paul Street to Steele Street
- All alleys along 4th Street extended to the distance as the side streets along 4th Street
- 200 feet of the southerly alley between Clayton & Detroit to the depressed driveway west of alley
- The depressed driveways along 4th Street

All mapping deliverables will be provided in AutoCAD.

Task B – Finished Floor Elevations

HCL will take finished floor elevation shots at the bank at the intersection of University & 3rd Street.

Task C – New Wall Survey

HCL will survey the newly built wall at the westerly extent of 4th Street.

Task D – Temporary Construction Easements

HCL will utilize the previously prepared preliminary ownership map to prepare a maximum of four (4) legal descriptions for temporary construction easements. The legal descriptions will be based on line work geometry provided to HCL by Huitt-Zollars. Once the final revisions are completed, two (2) signed and stamped copies will be provided to the client.

FEES

For the professional services described herein, HCL proposes to be compensated in accordance with our attached Charge Rate Fee Schedule for a total fee not-to-exceed **\$12,400.00**. Our fee breakdown is as follows:

Task A – Topographic Survey	\$7,600.00
Task B – Finished Floor Elevations.....	\$800.00
Task C – New Wall Survey.....	\$400.00
Task D – Temporary Construction Easements	\$3,600.00

Sincerely,

HCL Engineering & Surveying, LLC



Robert C. Maestas, PLS CO NM AZ UT
Director of Surveying & Mapping Services



9570 Kingston Court, Suite 310
 Englewood, CO 80112
 Phone 303/773-1605
 Fax 303/773-3297
 www.hclengineering.com

STANDARD BILLING RATE SCHEDULE 2010

PERSONNEL CLASSIFICATION	BILLING RATE/ HOUR
Principal	\$130.00
Project Manager	\$110.00
Project Engineer	\$ 90.00
Senior Designer	\$ 80.00
CAD Operator	\$ 70.00
Office/Field Engineer	\$ 80.00
Survey Manager	\$ 115.00
Survey Technician	\$ 75.00
Survey Crew (2-Man)	\$ 125.00
GPS Robotics	\$ 105.00
Construction Manager	\$ 105.00
Construction Field Superintendent / Inspector	\$ 75.00
Administrative	\$ 50.00

SCHEDULE OF REIMBURSABLE EXPENSES

EXPENSE OR SERVICE	BILLING RATE
Mileage (outside the Denver metropolitan area)	\$0.50/mi
Photocopies (8½" x 11", 8½" x 14". Etc.) not routine to projects or reports	\$0.20/ea
Diazo/Blueline, and Blackline Prints	\$0.20/sf
Xerox Copies of Printing (larger format sheets 24x36)	\$2.00/sht
Diazo or Xerox Reproduction on Mylar	\$25.00/sht
Diazo or Xerox Reproduction Velum	\$10.00/sht
Outside Materials/Services/Supplies	Cost + 10%

EFFECTIVE 1/01/10

Task	Workhours									Cost				Comments
	PIC QA/QC	PM	SE	PE	EI	TE	CADD	AA	Total	Labor	Direct Expense	Sub Consultant	Total	
Design Services	\$200.00	\$180.00	\$150.00	\$115.00	\$92.00	\$92.00	\$92.00	\$70.00						
C. Progress Meetings & Project Programming														
Progress Meetings		0	0						0	\$ -			\$ -	
Project Management & Administration		0							0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
D. Field Surveys														
Land Survey	0	0	0	0	4	0	0	0	4	\$ 368	\$ 112	\$ 4,800	\$ 5,280	
Field Surveys & Mapping			0	0	0	4			4	\$ 368	\$ 112	\$ 4,800	\$ 5,280	HCL Addl. Survey
Right-of-Way Surveys									0	\$ -			\$ -	
Prepare Survey Control Map									0	\$ -			\$ -	
Utility Research & Coordination									0	\$ -			\$ -	
Locate Existing Trolley, Street Car, & Light Rail Tracks									0	\$ -			\$ -	
Locate Culvert and/or Storm Sewer Pipes & Inlets									0	\$ -			\$ -	
Prepare Base Map									0	\$ -			\$ -	
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Obtain Traffic Counts									0	\$ -			\$ -	
Develop Concepts for Maintenance of Access & Traffic During Construction									0	\$ -			\$ -	
Inventory Existing Traffic Controls									0	\$ -			\$ -	
Inventory & Assess Impacts to Signal Interconnect & Other ITS									0	\$ -			\$ -	
Geotechnical & Environmental Investigations	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Soils & Pavement Investigation & Design									0	\$ -			\$ -	
Hazardous Materials/Environmental Investigations									0	\$ -			\$ -	
Field Survey Report									0	\$ -			\$ -	
Sub-Total	0	0	0	0	4	0	0	0	4	\$ 368	\$ 112	\$ 4,800	\$ 5,280	
E. Project Coordination & Public Outreach														
Communicating & Resolving Project Issues									0	\$ -			\$ -	
Public Information Meetings (2 minimum)									0	\$ -			\$ -	
Agency & Stakeholder Coordination									0	\$ -			\$ -	
City & County of Denver Engineering Coordination									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
F. Preliminary Design														
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Preliminary Signing & Pavement Marking Plans									0	\$ -			\$ -	
Preliminary Traffic Signal Plans									0	\$ -			\$ -	
Preliminary Construction Phasing Plan									0	\$ -			\$ -	
Preliminary Construction Traffic Control Plan									0	\$ -			\$ -	
Roadway & Intersection Design	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Preliminary Plan & Profile Sheets									0	\$ -			\$ -	
Preliminary Intersection Layouts									0	\$ -			\$ -	
Preliminary Special Details									0	\$ -			\$ -	
Preliminary Cross Sections									0	\$ -			\$ -	
Preliminary Jointing Plan									0	\$ -			\$ -	
Erosion Control Plans									0	\$ -			\$ -	
Survey Control Drawings		0							0	\$ -			\$ -	
Utility Relocation Plans & Coordination			0	0	0				0	\$ -			\$ -	
Storm Drainage	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Evaluate Existing Storm Drainage Information									0	\$ -			\$ -	
Drainage Report									0	\$ -			\$ -	
Preliminary Drainage Plans			0	0	0				0	\$ -			\$ -	
Preliminary Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Prepare & Compile Preliminary Design Plans			0	0	0				0	\$ -			\$ -	
Prepare Preliminary Cost Estimate									0	\$ -			\$ -	
Prepare Preliminary Design & Construction Schedule									0	\$ -			\$ -	
Reproduce & Distribute Preliminary Plans for Review									0	\$ -			\$ -	
Preliminary Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Organize & Conduct Preliminary Design Review Meeting			0	0					0	\$ -			\$ -	
Prepare & Distribute Preliminary Design Review Meeting Minutes									0	\$ -			\$ -	
Resolve Design Questions			0	0					0	\$ -			\$ -	
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -	
Post Preliminary Design Review Revisions									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
G. Final Design														
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Permanent Signing/Pavement Marking Plans									0	\$ -			\$ -	
Traffic Signal Plans									0	\$ -			\$ -	
Traffic Control Plans									0	\$ -			\$ -	
Erosion Control Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Final Sediment & Erosion Control Plans								0	0	\$ -			\$ -	
Final Stormwater Management Plans (SWMP)									0	\$ -			\$ -	
Estimate Quantities									0	\$ -			\$ -	
Utility Coordination & Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Utility Clearance Letters			0	0					0	\$ -			\$ -	
Utility Agreements			0	0					0	\$ -			\$ -	
Final Utility Plans			0	0	0				0	\$ -			\$ -	
Final Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Prepare & Compile Final Design Plans			0	0	0				0	\$ -			\$ -	
Calculate Plan Quantities & Prepare Tabulation Sheets									0	\$ -			\$ -	
Prepare Final Cost Estimate									0	\$ -			\$ -	
Prepare Technical Specifications/Project Special Provisions									0	\$ -			\$ -	
Reproduce & Distribute Final Plans for Review									0	\$ -			\$ -	
Final Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Organize & Conduct Final Design Review Meeting									0	\$ -			\$ -	
Prepare & Distribute Final Design Review Meeting Minutes									0	\$ -			\$ -	
Resolve Design Questions									0	\$ -			\$ -	
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
H. Construction Contract Documents (100% Level)														
Revise Plans, Specifications & Studies to Reflect Final Design Review									0	\$ -			\$ -	
Prepare & Submit Design Notebook									0	\$ -			\$ -	
Distribute Final Signed/Sealed Construction Plans									0	\$ -			\$ -	
Prepare & Submit Electronic Data (Plans, specs, reports, calculations, etc.)									0	\$ -			\$ -	
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	
Total	0	0	0	0	4	0	0	0	4	368	112	4,800	5,280	

UNIVERSITY/JOSEPHINE ST. RECONSTRUCTION AND DRAINAGE IMP:

Landscape and Irrigation, assessment, design and construction documentation:
 June 1, 2011

Josephine St. @ 4th Ave. James N. Manley Park Restoration:

ITEM NO. 1 - EXISTING LANDSCAPE AND IRRIGATION SYSTEM ASSESSMENT:

Task Description:	Hours:	Rate:	Extension:
System run test and drip line documentation	3 hrs. @	\$95.00	\$285.00
Draft existing irrigation base with tree symbols at scale	6 hrs. @	\$95.00	\$570.00
Existing tree inventory with Denver Forestry	2 hrs. @	\$95.00	\$190.00

ITEM NO. 2 - LANDSCAPE AND IRRIGATION RESTORATION CONSTRUCTION DOCUMENTS:

Task Description:	Hours:	Rate:	Extension:
Irrigation layout plan	8 hrs. @	\$95.00	\$760.00
Landscape restoration plan	6 hrs. @	\$95.00	\$570.00
Irrigation detail plan	4 hrs. @	\$95.00	\$380.00
Landscape detail plan	2 hrs. @	\$95.00	\$190.00
Landscape and irrigation specifications C.S.I. format	6 hrs. @	\$95.00	\$570.00
Measurement and payment and bid form preparation	4 hrs. @	\$95.00	\$380.00

Total Item No.1 and Item No.2 Design and Construction Documentation Fees: \$3,895.00

University Blvd. @ Cherry Creek North Drive Restoration:

ITEM NO. 3 - EXISTING LANDSCAPE AND IRRIGATION SYSTEM ASSESSMENT:

Task Description:	Hours:	Rate:	Extension:
System run test and drip line documentation	3 hrs. @	\$95.00	\$285.00
Draft existing irrigation base with tree symbols at scale	6 hrs. @	\$95.00	\$570.00
Existing tree inventory with Denver Forestry	2 hrs. @	\$95.00	\$190.00

ITEM NO. 4 - LANDSCAPE AND IRRIGATION RESTORATION CONSTRUCTION DOCUMENTS:

<u>Task Description:</u>	<u>Hours:</u>	<u>Rate:</u>	<u>Extension:</u>
Irrigation layout plan	8 hrs. @	\$95.00	\$760.00
Landscape restoration plan	6 hrs. @	\$95.00	\$570.00
Irrigation schedules and legends plan	2 hrs. @	\$95.00	\$190.00
Measurement and payment and bid form preparation	4 hrs. @	\$95.00	\$380.00

Total Item No.3 and Item No.4 Design and Construction Documentation Fees: \$2,945.00

Total Project Fees: \$6,840.00

Assumptions:

- 1) No circulation design or construction documentation is included in this proposal.
- 2) No site furniture design or construction documentation is included in this proposal.
- 3) No coordination time between Parks and Public Works is included in this proposal.
- 4) No project meetings are included in this proposal.
- 5) No cost estimating is included in this proposal.

If the scope of services and fee proposal above are acceptable please sign and date below.

Signature:

Date:

Task	Workhours									Cost			
	PIC QA/QC	PM	SE	PE	EI	TE	CADD	AA	Total	Labor	Direct Expense	Sub Consultant	Total
Design Services	\$200.00	\$180.00	\$150.00	\$115.00	\$92.00	\$92.00	\$92.00	\$70.00					
C. Progress Meetings & Project Programming													
Progress Meetings									0	\$ -			\$ -
Project Management & Administration									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
D. Field Surveys													
Land Survey	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Field Surveys & Mapping									0	\$ -			\$ -
Right-of-Way Surveys									0	\$ -			\$ -
Prepare Survey Control Map									0	\$ -			\$ -
Utility Research & Coordination	0	0		0	0				0	\$ -	\$ -	\$ -	\$ -
Locate Existing Trolley, Street Car, & Light Rail Tracks									0	\$ -			\$ -
Locate Culvert and/or Storm Sewer Pipes & Inlets									0	\$ -			\$ -
Prepare Base Map									0	\$ -			\$ -
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Obtain Traffic Counts									0	\$ -			\$ -
Develop Concepts for Maintenance of Access & Traffic During Construction									0	\$ -			\$ -
Inventory Existing Traffic Controls									0	\$ -			\$ -
Inventory & Assess Impacts to Signal Interconnect & Other ITS									0	\$ -			\$ -
Geotechnical & Environmental Investigations	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Soils & Pavement Investigation & Design									0	\$ -			\$ -
Hazardous Materials/Environmental Investigations									0	\$ -			\$ -
Field Survey Report									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
E. Project Coordination & Public Outreach													
Communicating & Resolving Project Issues									0	\$ -			\$ -
Public Information Meetings (2 minimum)									0	\$ -			\$ -
Agency & Stakeholder Coordination									0	\$ -			\$ -
City & County of Denver Engineering Coordination									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
F. Preliminary Design													
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Preliminary Signing & Pavement Marking Plans									0	\$ -			\$ -
Preliminary Traffic Signal Plans									0	\$ -			\$ -
Preliminary Construction Phasing Plan									0	\$ -			\$ -
Preliminary Construction Traffic Control Plan									0	\$ -			\$ -
Roadway & Intersection Design	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Preliminary Plan & Profile Sheets									0	\$ -			\$ -
Preliminary Intersection Layouts									0	\$ -			\$ -
Preliminary Special Details									0	\$ -			\$ -
Preliminary Cross Sections									0	\$ -			\$ -
Preliminary Jointing Plan									0	\$ -			\$ -
Erosion Control Plans									0	\$ -			\$ -
Survey Control Drawings									0	\$ -			\$ -
Utility Relocation Plans & Coordination									0	\$ -			\$ -
Storm Drainage	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Evaluate Existing Storm Drainage Information									0	\$ -			\$ -
Drainage Report									0	\$ -			\$ -
Preliminary Drainage Plans									0	\$ -			\$ -
Preliminary Design Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Prepare & Compile Preliminary Design Plans									0	\$ -			\$ -
Prepare Preliminary Cost Estimate									0	\$ -			\$ -
Prepare Preliminary Design & Construction Schedule									0	\$ -			\$ -
Reproduce & Distribute Preliminary Plans for Review									0	\$ -			\$ -
Preliminary Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Organize & Conduct Preliminary Design Review Meeting									0	\$ -			\$ -
Prepare & Distribute Preliminary Design Review Meeting Minutes									0	\$ -			\$ -
Resolve Design Questions									0	\$ -			\$ -
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -
Post Preliminary Design Review Revisions									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
G. Final Design													
Traffic Engineering	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Permanent Signing/Pavement Marking Plans									0	\$ -			\$ -
Traffic Signal Plans									0	\$ -			\$ -
Traffic Control Plans									0	\$ -			\$ -
Erosion Control Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Final Sediment & Erosion Control Plans									0	\$ -			\$ -
Final Stormwater Management Plans (SWMP)									0	\$ -			\$ -
Estimate Quantities									0	\$ -			\$ -
Utility Coordination & Plans	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Utility Clearance Letters									0	\$ -			\$ -
Utility Agreements									0	\$ -			\$ -
Final Utility Plans									0	\$ -			\$ -
Final Design Plans	0	1	0	0	6	0	0	0	7	\$ 732	\$ 428	\$ 6,840	\$ 8,000
Prepare & Compile Final Design Plans			1		6				7	\$ 732	\$ 428	\$ 6,840	\$ 8,000
Calculate Plan Quantities & Prepare Tabulation Sheets									0	\$ -			\$ -
Prepare Final Cost Estimate									0	\$ -			\$ -
Prepare Technical Specifications/Project Special Provisions									0	\$ -			\$ -
Reproduce & Distribute Final Plans for Review									0	\$ -			\$ -
Final Design Review Meeting	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Organize & Conduct Final Design Review Meeting									0	\$ -			\$ -
Prepare & Distribute Final Design Review Meeting Minutes									0	\$ -			\$ -
Resolve Design Questions									0	\$ -			\$ -
Prepare List of Variances from Standard Design Criteria									0	\$ -			\$ -
Sub-Total	0	1	0	0	6	0	0	0	7	\$ 732	\$ 428	\$ 6,840	\$ 8,000
H. Construction Contract Documents (100% Level)													
Revise Plans, Specifications & Studies to Reflect Final Design Review									0	\$ -			\$ -
Prepare & Submit Design Notebook									0	\$ -			\$ -
Distribute Final Signed/Sealed Construction Plans									0	\$ -			\$ -
Prepare & Submit Electronic Data (Plans, specs, reports, calculations, etc.)									0	\$ -			\$ -
Sub-Total	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -
Total	0	1	0	0	6	0	0	0	7	\$ 732	\$ 428	\$ 6,840	\$ 8,000