

# COMMERCE CITY

## SUPPLEMENTAL PROPOSAL PRELIMINARY AND FINAL DESIGN OF BRIGHTON ROAD FROM E. 104<sup>TH</sup> AVENUE TO E. 112<sup>TH</sup> AVENUE

2019-05-PW

*MARCH 4, 2020*

# HUITT-ZOLLARS

[www.huitt-zollars.com](http://www.huitt-zollars.com)

# HUITT-ZOLLARS

## *CORE VALUES*

- To achieve the highest level of quality in everything we do.
- To always conduct ourselves with consummate integrity.
- To achieve client satisfaction through uncompromised personal service.
- To provide the appropriate environment for people to work, grow, and prosper.
- To maintain consistent growth and a reasonable profit in order to perpetuate a healthy company.
- To always strive to advance our services to new horizons.



# TABLE OF CONTENTS

● COVER LETTER	_____	
● DETAILED DESIGN SCHEDULES	_____	1
● PROJECT APPROACH	_____	4
● EXCLUSIONS AND ADDITIONAL SERVICES	_____	5
● ADDITIONAL INFORMATION	_____	6
● MODIFIED FEE PROPOSAL	_____	7



March 4, 2020

Mr. Mark Winnen, Project Manager  
City of Commerce City  
8602 Rosemary Street  
Commerce City, CO 80022

**RE: Request for Supplemental Proposal  
Preliminary and Final Design of Brighton Road from E. 104th Ave. to E. 112th Ave.  
2019-05-PW**

Dear Mark,

Thank you for the opportunity to present additional information augmenting our qualifications for Prime Consultant for the preliminary and final design for the reconstruction of Brighton Road from E. 104th Avenue to E. 112th Avenue. Our supplemental proposal requested by Addendum No. 2 (dated February 27, 2020) is enclosed on the following pages. This submittal is limited to only those items requested for this Supplemental Proposal, including:

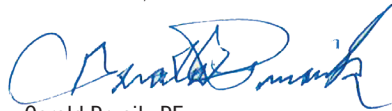
- Detailed Design Schedules for Phase I and Phase II
- Phased Project Design Approach
- Proposed Exclusions
- Additional Information
- Modified Fee Proposal

All the information presented in our Original Proposal remains unchanged; Design Team, Management Approach, etc.

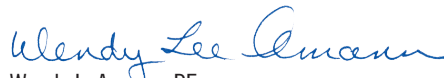
We have kept this submittal brief, while providing all requested supplemental data. We understand the urgency, and time constraints that you now face in order to issue the project Notice-to-Proceed on March 17th, as intended. Further, we acknowledge the need to issue Phase I for construction as early as this summer, as feasible. With that in mind, we have every intention of working closely with you to be sure that we meet that commitment. I have successfully completed several similar, time constrained projects and am confident that I can do so again on this project. As the HZ Project Manager, I can and will lead this design team, and the City, to a bid ready set of construction documents for the Brighton Road reconstruction within 120 calendar days of the project NTP.

We look forward to your favorable response; enabling us to move this project forward in a timely fashion. Please feel free to call if you have any questions or need further information.

Sincerely,  
Huitt-Zollars, Inc.



Gerald Prusik, PE  
Vice President / Project Manager



Wendy L. Amann, PE  
Vice President / Denver Managing Principal





# DETAILED DESIGN SCHEDULES

Our detailed Design Schedules for both Brighton Road Phase I and Phase II are enclosed on the two following pages. As requested with Addendum No. 2 (dated February 27, 2020), we have split the work into two phases, as follows:

- Phase I
  - Design for reconstruction of Brighton Road from 104th Avenue to 112th Avenue for reconstruction of the existing 2-lane road with 5-foot shoulders on both the east and west sides, right turn lanes at E. 104th Avenue and E. 112th Avenue, street lights and other appropriate safety improvements
- Phase II
  - Design for a detached multi-use trail, drainage improvements and Fulton Ditch bridge replacement

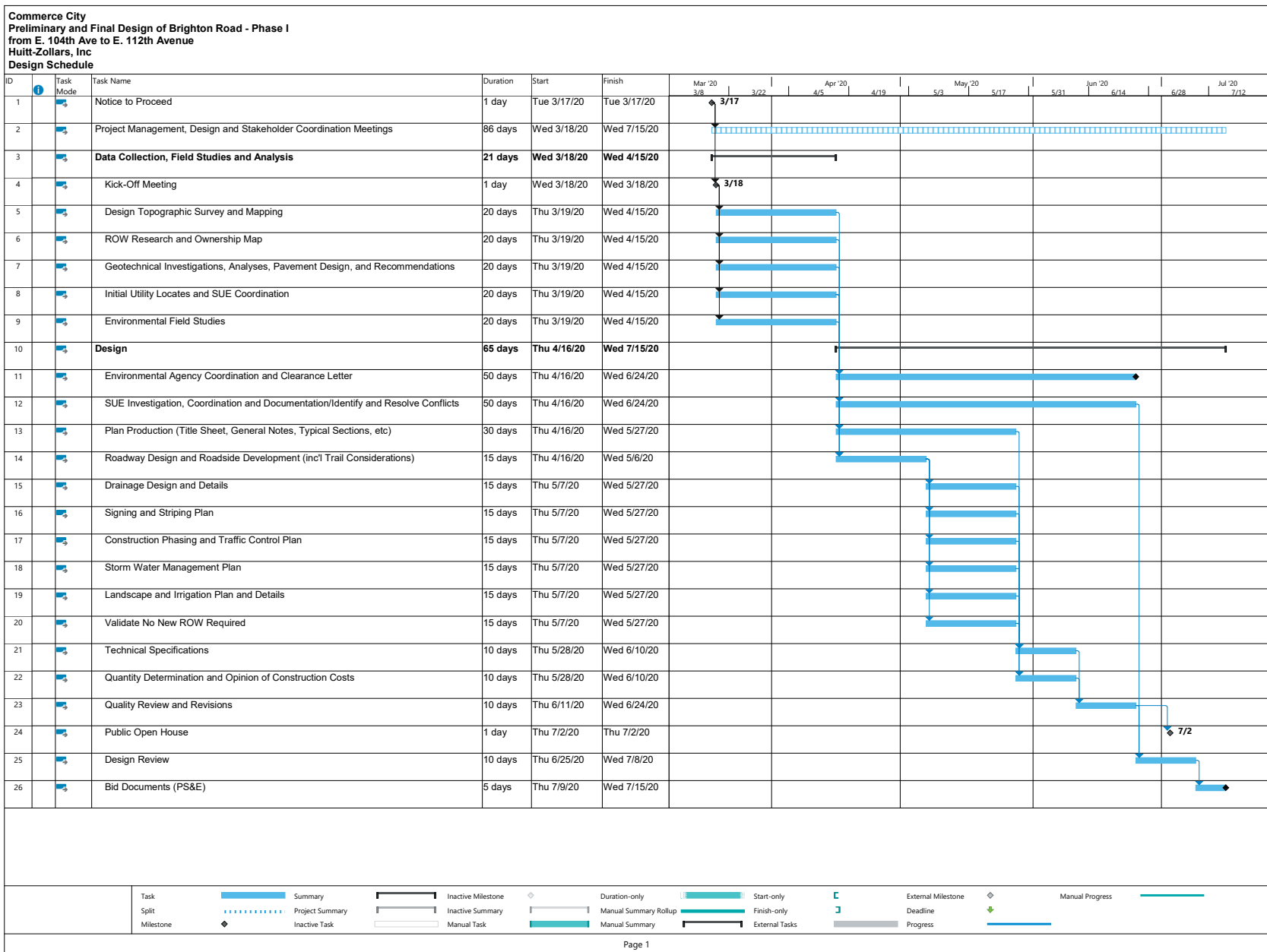
We have developed the Phase I schedule based on a Notice to Proceed (NTP) of March 17, 2020, and we show Phase I completed within the 120 days, as requested. Note that this schedule employs a single plan review at a 90% completion level. This design approach has been utilized throughout time, as a means of expediting a project to construction. CDOT has historically referred to this design approach as a combined FIR/FOR. This approach relies on “over-the-shoulder” reviews and close coordination with the City throughout design development, with a single formal review prior to preparation of final bid documents for advertisement for construction.

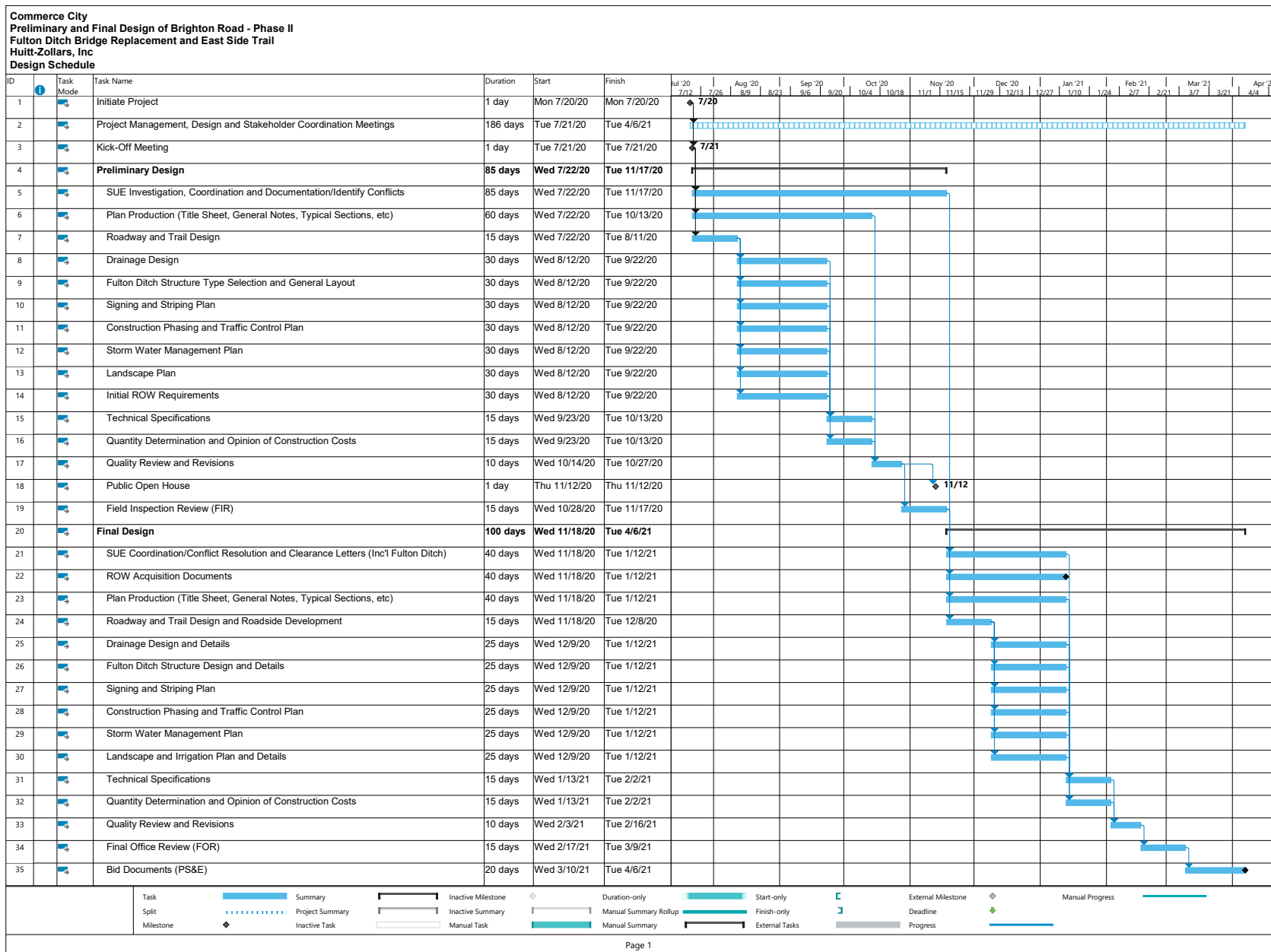
Our Phase II Design Schedule employs a traditional 2-phase design approach with independent preliminary and final design review activities. Note that we show an 8-month timeframe to complete the Phase II construction documents. This will allow C3 to advertise Phase II for construction in the Spring of 2021.

Also, note that our field efforts (survey, geotechnical engineering and environmental studies/clearance letter) all remain a part of Phase I. We see no need to replicate those field efforts individually as a part of each phase of the project. We also offer this approach as a cost savings means of conducting our up-front field activities, all at once.

Due to the compressed Phase I timeline, our survey field data will be developed with a focus of putting the base field topographic survey data in the hands of our design team as quickly as possible in order to timely develop our centerline geometric alignment. We may even start the development of our alignment ahead of receipt of our survey data, using publicly available mapping data.

**We are confident that we can meet this aggressive Phase I schedule!**









# PROJECT APPROACH

As noted in our Design Schedule section (above), routine and continual coordination will be important, particularly throughout the Phase I design activities. We plan to meet weekly throughout this Phase of design, with some meetings at our Denver Tech Center office, so that Mark Winnen can be a part of the design development, as it occurs. We can also offer virtual interactive/live meetings (such as Go-to-Meeting) to share our design process with Mark, as needed to be sure that C3 knows what is coming with the single/final formal plan review.

As demonstrated with the Tables and Graphs included in our original Proposal, we do have the available manpower to meet the schedules of this phased design and construction approach.

The project management approach outlined in our original proposal will remain, especially regarding cost control and quality processes. Although we have created an expedited schedule, we will still maintain the detailed quality control process we do on every set of plans we release.



# EXCLUSIONS AND ADDITIONAL SERVICES

As indicated in our original submittal, we have the following comments and proposed changes to the standard terms and conditions within the City of Commerce City's contract.

**Article I.E. entitled “Warranties” should be deleted in its entirety and replaced with the “Standard of Care” with the following language following:**

E. Standard of Care. In providing services under this Agreement, the Contractor shall perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality. Upon notice to the Contractor and by mutual agreement between the parties, the Contractor will, without additional compensation, correct those services not meeting such a standard. The Contractor makes no warranty, express or implied, as to its professional services rendered under this Agreement.

**Reason for requested change above** — Although warranties may be commonplace in a constructor's contract, they have no place in a design consultant's agreement. The problem is that by definition, the word warrant means to assure the total accuracy of something and to certify that “... all work will be free from defects.” The requirement for Warranties as noted lies in a construction contract, not a professional services contract. The perfect set of plans has yet to be produced and therefore professional services firms cannot and do not warrant their work. In addition, if we were to warrant something, we would be assuming a level of contractual liability well beyond the standard of care required by law. As a design professional, all we are required to do is conform to the standard of care as practiced by our peers. And that's what our professional liability insurance covers. It is important to remember that our professional liability insurance does not cover breach of contract or breach of warranty, the assumption of someone else's liability, or a promise to perform to a higher standard of care than required by law. Engineers, Architects, Surveyors and other designated professional service firms must perform in accordance with the Standard of Care as defined above. We therefore respectfully request a change in this section language.

**Article IX.E. entitled “Time is of the Essence”. We request that the following sentence be added at the end of the first sentence:**

“Notwithstanding the foregoing, Contractor shall not be responsible for delays or damages or declared to be in default by reason of delays in performance or by reason of strikes, lockouts, accidents, acts of God, and other delays unavoidable or beyond Engineer's reasonable control, delays in approval by governmental agencies, or delays in work of other consultants performing services on behalf of the City.

**Reason for requested change above** — We agree with the concept of maintaining a strict schedule to the extent possible, but the language in this clause does not account for delays caused by issues beyond our ability to control, including, but not limited to extreme weather events, etc. We therefore respectfully request this change to add these extenuating circumstances to be excused instead of any delay potentially being considered “breach of our agreement” as the current language implies.



# ADDITIONAL INFORMATION

In order for Phase I Brighton Road construction to advance to construction this summer, certain things must occur:

- No new ROW, or easements can be required – there will not be any time for any ROW acquisition. The auxiliary turn laneage anticipated at E. 104th Avenue and E. 112th Avenue may exceed the existing ROW available. Should this be discovered, we can easily leave some of the intersection work for Phase II, where there will be more time available to address ROW requirements. However, the ROW identification will be done in Phase I, expediting that process in Phase II.
- No significant environmental impacts that would require greater time to mitigate and permit will be addressed in Phase I. If such is discovered, those issues will be addressed in Phase II.

Since there will not be sufficient time for any ROW acquisitions with Phase I, the roadway centerline will be developed to avoid any ROW impacts. This may result in the need for additional ROW, or easements, to accommodate the planned detached multi-use trail, in Phase II.

The existing Brighton Road width at the Fulton Ditch bridge will preclude construction of the full 2-lane roadway with 5-foot shoulders, across the existing bridge. Brighton Road will be milled and overlaid across the existing bridge with an approximate 30-foot total width during Phase I construction. The full 34-foot width, with any required additional bridge rail clearance, will be provided with the Fulton Ditch bridge replacement in Phase II.

Since we have had the opportunity to meet with the South Adams County Water & Sanitation District (SACWSD) with C3, we now understand that the District's future Bell Creek lift station (to be located west of Brighton Road, south of First Creek) and force main (along Brighton Road) remains in the early planning stage. So, exact locations of this planned lift station and force main remain unknown. Design for the Brighton Road improvements will be shared, and coordinated with SACWSD, in an effort to most efficiently accommodate, and not preclude future SACWSD anticipated work, with minimal impact to the reconstructed Brighton Road.

We have very recently met the Fulton Ditch attorney (on another municipal project affecting an irrigation ditch in metro Denver), and have had a very brief/introductory discussion of the pending Brighton Road project and the intent to replace the existing Brighton Road bridge, at the Fulton Ditch. We now know where to begin that Phase II discussion with the ditch company which will certainly facilitate the Phase II design process.





# MODIFIED FEE PROPOSAL

Our Modified Fee Proposal for this Brighton Road Phased approach is included in a separate sealed envelope, as requested.

# Why *Choose* HUITT-ZOLLARS ?

- ✓ We have been engaged with C3 in the planning of this phased approach.
- ✓ We have worked with C3 previously and understand your requirements.
- ✓ Extensive experience with roadway improvement projects.
- ✓ We are excited and available to get started immediately!



“

OUR *COMMITMENT* IS TO  
UNDERSTAND THE NEEDS OF OUR  
CLIENTS AND TO MEET THOSE NEEDS BY  
DELIVERING PROFESSIONAL SERVICES  
WITH THE HIGHEST LEVEL OF *QUALITY*  
AND *INTEGRITY*”

HUITT-ZOLLARS

4582 South Ute Street, Suite 240  
Denver, Colorado 80237  
P: 303.740.7325 • F: 303.224.9997



**Commerce City  
2-Phase Preliminary and Final Design of Brighton Road  
From E. 104<sup>th</sup> Avenue to E. 112<sup>th</sup> Avenue  
Huitt-Zollars, Inc  
Supplemental Proposal**

**March 4, 2020**

**Modified Fee Proposal**

Our Modified Fee Proposal for the 2-Phase Preliminary and Final Design of Brighton Road from E. 104<sup>th</sup> Avenue to E. 112<sup>th</sup> Avenue is attached. Our Base and Additional Services fees have been split between Phase I and Phase II.

We have included a summary of manhours and fees, by Phase, by Task, by Base Services, by Additional Services for Huitt-Zollars and each of our subconsultant team members. We have reduced our Additional Service fees related to the South Adams County Water & Sanitation District (SACWSD), now that we have a better understanding of the coordination effort that will be required with the District. We have reduced this effort, although we still have adequate time for close coordination with the District throughout design development, anticipating no direct conflicts with existing SACWSD facilities.

**Commerce City, Colorado**  
**Preliminary and Final Design of Brighton Road**  
**from E. 104th Ave to E. 112th Ave**  
**Huitt-Zollars, Inc**  
**2 Phase Design and Construction Fee Summary**

Firm	Fee		
	Base	Additional	Total
<b>Phase I</b>			
Huitt-Zollars, Inc	\$ 148,565	\$ 62,430	\$ 210,995
Foresight West Surveying	\$ 50,820	\$ 9,360	\$ 60,180
Kumar and Associates	\$ 17,630	\$ -	\$ 17,630
ACI Consulting Group	\$ 10,980	\$ -	\$ 10,980
DHM Design	\$ 22,870	\$ 3,140	\$ 26,010
Universal Field Services	\$ -	\$ -	\$ -
<b>Phase I Total</b>	<b>\$ 250,865</b>	<b>\$ 74,930</b>	<b>\$ 325,795</b>
<b>Phase II</b>			
Huitt-Zollars, Inc	\$ 176,905	\$ 35,900	\$ 212,805
Foresight West Surveying	\$ 31,920	\$ 5,340	\$ 37,260
Kumar and Associates	\$ -	\$ 4,795	\$ 4,795
ACI Consulting Group	\$ -	\$ -	\$ -
DHM Design	\$ -	\$ -	\$ -
Universal Field Services	\$ 525	\$ 53,895	\$ 54,420
<b>Phase II Total</b>	<b>\$ 209,350</b>	<b>\$ 99,930</b>	<b>\$ 309,280</b>
<b>Total Project</b>	<b>\$ 460,215</b>	<b>\$ 174,860</b>	<b>\$ 635,075</b>

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Huitt-Zollars, Inc  
Base Services Manhour and Fee Estimate - Phase I

Task	Manhours								Fee			
	PIC	QM	Sr PM	Str Eng	EI	SD	PS		HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$205	\$145	\$125	\$155	\$65					
Project Management, Design and Stakeholder Coordination Meetings	6		48			8		62	\$ 12,490	\$ -	\$ 1,910	\$ 14,400
<b>Data Collection, Field Studies and Analysis</b>												
Kickoff Meeting	2	2	4		2	2	1	13	\$ 2,365	\$ -	\$ 730	\$ 3,095
Design Topographic Survey and Mapping			4		4			8	\$ 1,320	\$ -	\$ 36,060	\$ 37,380
ROW Research and Ownership Map			4			8		12	\$ 2,060	\$ -	\$ 7,200	\$ 9,260
Geotechnical Investigation Analyses, Pavement Design and Recommendations			4			4		8	\$ 1,440	\$ -	\$ 19,190	\$ 20,630
Initial Utility Locates and SUE Coordination			8		24	24		56	\$ 8,360	\$ -	\$ -	\$ 8,360
Environmental Field Studies			4		8	4		16	\$ 2,440	\$ -	\$ 4,120	\$ 6,560
<b>Design</b>												
Environmental Agency Coordination and Clearance Letter			4		4	4		12	\$ 1,940	\$ -	\$ 4,950	\$ 6,890
SUE Investigation/CoordDocumentation/IdentifyConflicts/Resolve Conflicts			8		16	12		36	\$ 5,500	\$ -	\$ 6,000	\$ 11,500
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)			4		64	40		108	\$ 15,020	\$ -	\$ -	\$ 15,020
Roadway Design and Roadside Development			8		16	16		40	\$ 6,120	\$ -	\$ -	\$ 6,120
Drainage Design and Details			8		40	16		64	\$ 9,120	\$ -	\$ -	\$ 9,120
Signing and Striping Plan			4		16	8		28	\$ 4,060	\$ -	\$ -	\$ 4,060
Construction Phasing and Traffic Control Plan			8		20	8		36	\$ 5,380	\$ -	\$ -	\$ 5,380
Storm Water Management Plan			4		12	24		40	\$ 6,040	\$ -	\$ -	\$ 6,040
Landscape and Irrigation Plan and Details			4		4	4		12	\$ 1,940	\$ -	\$ 5,890	\$ 7,830
Validate No New ROW Required			4		8	8		20	\$ 3,060	\$ -	\$ -	\$ 3,060
Technical Specifications			16		16		8	40	\$ 5,800	\$ -	\$ 1,140	\$ 6,940
Quantity Determination and Opinion of Construction Costs			12		24	12		48	\$ 7,320	\$ -	\$ 2,580	\$ 9,900
Quality Review and Revisions		8	8		12	12		40	\$ 6,800	\$ -	\$ 1,505	\$ 8,305
Public Open House			12		16	12		40	\$ 6,320	\$ -	\$ 3,285	\$ 9,605
Plan Review			4			4	2	10	\$ 1,570	\$ -	\$ 780	\$ 2,350
Bid Documents (PS&E)			28		40	40		108	\$ 16,940	\$ -	\$ 5,260	\$ 22,200
<b>Construction Administration</b>												
Pre-Construction Meeting			4			4		8	\$ 1,400	\$ -	\$ 425	\$ 1,825
Requests for Information (RFI)			8		8	16		32	\$ 5,040	\$ -	\$ 425	\$ 5,465
Shop Submittals			4		8	8		20	\$ 3,020	\$ -	\$ 425	\$ 3,445
Construction Document Clarification			8			8		16	\$ 2,800	\$ -	\$ 425	\$ 3,225
Final Acceptance Review			4			4		8	\$ 1,400	\$ -	\$ -	\$ 1,400
Direct Expenses										\$ 1,500	\$ -	\$ 1,500
	8	10	240	0	362	310	11	941	\$ 147,065	\$ 1,500	\$ 102,300	\$ 250,865



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Huitt-Zollars, Inc  
Additional Services Manhour and Fee Estimate - Phase I

Task	Manhours							Fee			
	PIC	QM	Sr PM	Str Eng	EI	SD	PS	HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$195	\$145	\$125	\$155	\$65				
<b>Additional Right-of-Way Services</b>											
Additional Title Commitments (6)	0	\$	-	\$	-	\$	-	\$	-	\$	-
Additional ROW Legal Descriptions and Plan Exhibits (6)	0	\$	-	\$	-	\$	-	\$	-	\$	-
<b>ROW and Easement Acquisition (10)</b>											
Appraisals	0	\$	-	\$	-	\$	-	\$	-	\$	-
Offer Letters	0	\$	-	\$	-	\$	-	\$	-	\$	-
Good Faith Negotiations	0	\$	-	\$	-	\$	-	\$	-	\$	-
Final Legal Descriptions and Plan Exhibits	0	\$	-	\$	-	\$	-	\$	-	\$	-
City Council Approvals	0	\$	-	\$	-	\$	-	\$	-	\$	-
Real Estate Closings	0	\$	-	\$	-	\$	-	\$	-	\$	-
Coordination w/C3 Legal Counsel	0	\$	-	\$	-	\$	-	\$	-	\$	-
<b>Utility Potholing (30)</b>											
Utility Potholes			4		4	4		12	\$ 1,900	\$ 24,000	\$ 25,900
Survey Utility Potholes								0	\$ -	\$ 3,120	\$ 3,120
Incorporate Utility Pothole Data into Utility Plans			4		12	8		24	\$ 3,520	\$ -	\$ 3,520
<b>Property Owner/Citizen Coordination</b>											
Compile Ownership List (40)			4				8	12	\$ 1,300	\$ -	\$ 1,300
Individual Property Owner Meetings (29)			52			16	8	76	\$ 13,140	\$ -	\$ 13,140
<b>Plan Changes after FOR Comments</b>											
FOR Revisions								0	\$ -	\$ -	\$ -
Landscape Revisions								0	\$ -	\$ -	\$ -
<b>Plan Reproduction Services</b>											
Bid Document Reproduction (per C3 RFP)								0	\$ -	\$ 2,000	\$ 2,000
<b>Water and Sanitary Sewer Relocations</b>											
SACWSD Water and/or Sanitary Sewer Relocation Plans			12		8	8		28	\$ 4,580	\$ -	\$ 4,580
SACWSD Special Provisions								0	\$ -	\$ -	\$ -
Opinion of Construction Costs								0	\$ -	\$ -	\$ -
<b>Retaining Wall Design</b>											
Geotechnical Investigation, Analyses and Foundation Recommendations								0	\$ -	\$ -	\$ -
Retaining Wall Layout and Design								0	\$ -	\$ -	\$ -
Project Special Provisions								0	\$ -	\$ -	\$ -
<b>Miscellaneous Additional Survey</b>											
Supplemental Field Survey								0	\$ -	\$ 6,240	\$ 6,240
<b>Additional Project and Public Coordination</b>											
Progress Meetings			12				2	14	\$ 2,470	\$ -	\$ 2,470
Public Open House (1) (incl location arrangements, exhibits, notification, etc)			4		6	4	2	16	\$ 2,280	\$ 3,140	\$ 5,420
Maintain Mail List			2		4		2	8	\$ 1,020	\$ -	\$ 1,020
Individual Property Owner Meetings (2)			4				2	6	\$ 910	\$ -	\$ 910
<b>Bid Services</b>											
Pre-Bid Meeting			2					2	\$ 390	\$ -	\$ 390
Bid Addenda			2		4	4		10	\$ 1,510	\$ -	\$ 1,510
Bid Opening and Documentation			2					2	\$ 390	\$ -	\$ 390
Issued for Construction Documents			4		8	8		20	\$ 3,020	\$ -	\$ 3,020
<b>Total</b>	0	0	108	0	46	52	24	230	\$ 36,430	\$ 26,000	\$ 74,930

**Commerce City, Colorado**  
**Preliminary and Final Design of Brighton Road**  
**from E. 104th Ave to E. 112th Ave**  
**Foresight West Surveying**  
**Base Services Manhour and Fee Estimate - Phase I**

[illegible]



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Foresight West Surveying  
Additional Services Manhour and Fee Estimate - Phase I

Task	Manhours								Fee		
	Prof Land Surveyor	2 Person Survey Crew	1 Person Survey Crew	Survey CAD Tech	Survey Project Manager	Drone & Pilot	Legal Desc & Exhibits	Total	FWS	Direct Expense	Total
	\$140	\$166	\$120	\$120	\$120	\$140	\$550				
<b>Additional Right-of-Way Services</b>											
Additional Title Commitments (6)								0 \$	- \$	- \$	- \$
Additional ROW Legal Descriptions and Plan Exhibits (6)								0 \$	- \$	- \$	- \$
<b>ROW and Easement Acquisition (10)</b>											
Appraisals								0 \$	- \$	- \$	- \$
Offer Letters								0 \$	- \$	- \$	- \$
Good Faith Negotiations								0 \$	- \$	- \$	- \$
Final Legal Descriptions and Plan Exhibits								0 \$	- \$	- \$	- \$
City Council Approvals								0 \$	- \$	- \$	- \$
Real Estate Closings								0 \$	- \$	- \$	- \$
Coordination w/C3 Legal Counsel								0 \$	- \$	- \$	- \$
<b>Utility Potholing (30)</b>											
Utility Potholes								0 \$	- \$	- \$	- \$
Survey Utility Potholes			20	6				26 \$	3,120 \$	- \$	3,120 \$
Incorporate Utility Pothole Data into Utility Plans								0 \$	- \$	- \$	- \$
<b>Property Owner/Citizen Coordination</b>											
Compile Ownership List (40)								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (40)								0 \$	- \$	- \$	- \$
<b>Plan Changes after FOR Comments</b>											
FOR Revisions								0 \$	- \$	- \$	- \$
Landscape Revisions								0 \$	- \$	- \$	- \$
<b>Plan Reproduction Services</b>											
Bid Document Reproduction (per C3 RFP)								0 \$	- \$	- \$	- \$
<b>Water and Sanitary Sewer Relocations</b>											
SACWSD Water and/or Sanitary Sewer Relocation Plans								0 \$	- \$	- \$	- \$
SACWSD Special Provisions								0 \$	- \$	- \$	- \$
Opinion of Construction Costs								0 \$	- \$	- \$	- \$
<b>Retaining Wall Design</b>											
Geotechnical Investigation, Analyses and Foundation Recommendations								0 \$	- \$	- \$	- \$
Retaining Wall Layout and Design								0 \$	- \$	- \$	- \$
Project Special Provisions								0 \$	- \$	- \$	- \$
<b>Miscellaneous Additional Survey</b>											
Supplemental Field Survey			30	20	2			52 \$	6,240 \$	- \$	6,240 \$
<b>Additional Project and Public Coordination</b>											
Progress Meetings								0 \$	- \$	- \$	- \$
Public Open House (1) (incl location arrangements, exhibits, notification, etc)								0 \$	- \$	- \$	- \$
Maintain Mail List								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (2)								0 \$	- \$	- \$	- \$
<b>Bid Services</b>											
Pre-Bid Meeting								0 \$	- \$	- \$	- \$
Bid Addenda								0 \$	- \$	- \$	- \$
Bid Opening and Documentation								0 \$	- \$	- \$	- \$
Issued for Construction Documents								0 \$	- \$	- \$	- \$
<b>Total</b>	0	0	50	26	2	0	0	78 \$	9,360 \$	- \$	9,360 \$

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Kumar and Associates  
Base Services Manhour and Fee Estimate - Phase I

Task	Manhours							Fee			
	Principal Engineer	Proj Eng Geologist	Field Engineer	Drafter	Word Processor			Total	KA	Direct Expense	Total
	\$205	\$90	\$70	\$80	\$50						
Project Management, Design and Stakeholder Coordination Meetings								0	\$ -	\$ -	\$ -
<b>Data Collection, Field Studies and Analysis</b>											
Kickoff Meeting								0	\$ -	\$ -	\$ -
Design Topographic Survey and Mapping								0	\$ -	\$ -	\$ -
ROW Research and Ownership Map								0	\$ -	\$ -	\$ -
Geotechnical Investigation Analyses, Pavement Design and Recommendations	8	28	32	7	2			77	7,060	\$ 10,570	17,630
Initial Utility Locates and SUE Coordination								0	\$ -	\$ -	\$ -
Environmental Field Studies								0	\$ -	\$ -	\$ -
<b>Preliminary Design</b>											
Environmental Agency Coordination and Clearance Letter								0	\$ -	\$ -	\$ -
SUE Investigation, Coordination and Documentation/Identify Conflicts								0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design								0	\$ -	\$ -	\$ -
Drainage Design								0	\$ -	\$ -	\$ -
Fulton Ditch Structure General Layout											
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape Plan								0	\$ -	\$ -	\$ -
Identify Initial ROW Requirements								0	\$ -	\$ -	\$ -
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Public Open House								0	\$ -	\$ -	\$ -
Field Inspection Review (FIR)								0	\$ -	\$ -	\$ -
<b>Final Design</b>											
SUE Coordination/Conflict Resolution								0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design and Roadside Development								0	\$ -	\$ -	\$ -
Drainage Design and Details								0	\$ -	\$ -	\$ -
Fulton Ditch Structure Design and Details											
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape and Irrigation Plan and Details								0	\$ -	\$ -	\$ -
ROW Plans, Legal Descriptions and Plan Exhibits								0	\$ -	\$ -	\$ -
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Final Office Review (FOR)								0	\$ -	\$ -	\$ -
<b>Construction Administration</b>											
Pre-Construction Meeting								0	\$ -	\$ -	\$ -
Requests for Information (RFI)								0	\$ -	\$ -	\$ -
Shop Submittals								0	\$ -	\$ -	\$ -
Construction Document Clarification								0	\$ -	\$ -	\$ -
Final Acceptance Review								0	\$ -	\$ -	\$ -
	8	28	32	7	2	0	0	77	\$ 7,060	\$ 10,570	\$ 17,630



• 9 2

• 9 2

• 9 2

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
DHM Design  
Base Services Manhour and Fee Estimate - Phase I

Task	Manhours							Fee			
	PIC/PM	PM	Designer	Irrigation Designer				Total	DHM	Direct Expense	Total
	\$170	\$100	\$90	\$90							
Project Management, Design and Stakeholder Coordination Meetings								0	\$ -	\$ -	\$ -
<b>Data Collection, Field Studies and Analysis</b>											
Kickoff Meeting	4							4	\$ 680	\$ 50	\$ 730
Design Topographic Survey and Mapping								0	\$ -	\$ -	\$ -
ROW Research and Ownership Map								0	\$ -	\$ -	\$ -
Geotechnical Investigation Analyses, Pavement Design and Recommendations								0	\$ -	\$ -	\$ -
Initial Utility Locates and SUE Coordination								0	\$ -	\$ -	\$ -
Environmental Field Studies								0	\$ -	\$ -	\$ -
<b>Design</b>											
Environmental Agency Coordination and Clearance Letter								0	\$ -	\$ -	\$ -
SUE Investigation/CoordDocumentation/IdentifyConflicts/Resolve Conflicts								0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design and Roadside Development								0	\$ -	\$ -	\$ -
Drainage Design and Details								0	\$ -	\$ -	\$ -
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape and Irrigation Plan and Details	8	16	32					56	\$ 5,840	\$ 50	\$ 5,890
Validate No New ROW Required								0	\$ -	\$ -	\$ -
Technical Specifications	2	8						10	\$ 1,140	\$ -	\$ 1,140
Quantity Determination and Opinion of Construction Costs	2	8	16					26	\$ 2,580	\$ -	\$ 2,580
Quality Review and Revisions	4	8						12	\$ 1,480	\$ 25	\$ 1,505
Public Open House	6	8	16					30	\$ 3,260	\$ 25	\$ 3,285
Plan Review	4							4	\$ 680	\$ 100	\$ 780
Bid Documents (PS&E)	8	20	20					48	\$ 5,160	\$ 100	\$ 5,260
<b>Construction Administration</b>											
Pre-Construction Meeting		4						4	\$ 400	\$ 25	\$ 425
Requests for Information (RFI)		4						4	\$ 400	\$ 25	\$ 425
Shop Submittals		4						4	\$ 400	\$ 25	\$ 425
Construction Document Clarification		4						4	\$ 400	\$ 25	\$ 425
Final Acceptance Review								0	\$ -	\$ -	\$ -
	38	84	84					206	\$ 22,420	\$ 450	\$ 22,870



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
DHM Design  
Additional Services Manhour and Fee Estimate - Phase I

Task	Manhours							Fee		
	PIC/PM \$170	PM \$100	Designer \$90	Irrigation Designer \$90			Total	DHM	Direct Expense	Total
<b>Additional Right-of-Way Services</b>										
Additional Title Commitments (6)							0	\$ -	\$ -	\$ -
Additional ROW Legal Descriptions and Plan Exhibits (6)							0	\$ -	\$ -	\$ -
<b>ROW and Easement Acquisition (10)</b>										
Appraisals							0	\$ -	\$ -	\$ -
Offer Letters							0	\$ -	\$ -	\$ -
Good Faith Negotiations							0	\$ -	\$ -	\$ -
Final Legal Descriptions and Plan Exhibits							0	\$ -	\$ -	\$ -
City Council Approvals							0	\$ -	\$ -	\$ -
Real Estate Closings							0	\$ -	\$ -	\$ -
Coordination w/C3 Legal Counsel							0	\$ -	\$ -	\$ -
<b>Utility Potholing (30)</b>										
Utility Potholes							0	\$ -	\$ -	\$ -
Survey Utility Potholes							0	\$ -	\$ -	\$ -
Incorporate Utility Pothole Data into Utility Plans							0	\$ -	\$ -	\$ -
<b>Property Owner/Citizen Coordination</b>										
Compile Ownership List (40)							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (40)							0	\$ -	\$ -	\$ -
<b>Plan Changes after FOR Comments</b>										
FOR Revisions							0	\$ -	\$ -	\$ -
Landscape Revisions							0	\$ -	\$ -	\$ -
<b>Plan Reproduction Services</b>										
Bid Document Reproduction (per C3 RFP)							0	\$ -	\$ -	\$ -
<b>Water and Sanitary Sewer Relocations</b>										
SACWSD Water and/or Sanitary Sewer Relocation Plans							0	\$ -	\$ -	\$ -
SACWSD Special Provisions							0	\$ -	\$ -	\$ -
Opinion of Construction Costs							0	\$ -	\$ -	\$ -
<b>Retaining Wall Design</b>										
Geotechnical Investigation, Analyses and Foundation Recommendations							0	\$ -	\$ -	\$ -
Retaining Wall Layout and Design							0	\$ -	\$ -	\$ -
Project Special Provisions							0	\$ -	\$ -	\$ -
<b>Miscellaneous Additional Survey</b>										
Supplemental Field Survey							0	\$ -	\$ -	\$ -
<b>Additional Project and Public Coordination</b>										
Progress Meetings							0	\$ -	\$ -	\$ -
Public Open House (1) (incl location arrangements, exhibits, notification, etc)	5	8	16				29	\$ 3,090	\$ 50	\$ 3,140
Maintain Mail List							0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (2)							0	\$ -	\$ -	\$ -
<b>Bid Services</b>										
Pre-Bid Meeting							0	\$ -	\$ -	\$ -
Bid Addenda							0	\$ -	\$ -	\$ -
Bid Opening and Documentation							0	\$ -	\$ -	\$ -
Issued for Construction Documents							0	\$ -	\$ -	\$ -
<b>Total</b>	<b>5</b>	<b>8</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>\$ 3,090</b>	<b>\$ 50</b>	<b>\$ 3,140</b>

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Huitt-Zollars, Inc  
Base Services Manhour and Fee Estimate - Phase II

Task	Manhours								Fee			
	PIC	QM	Sr PM	Str Eng	EI	SD	PS		HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$205	\$145	\$125	\$155	\$65					
Project Management, Design and Stakeholder Coordination Meetings	6		16			12		34	\$ 6,550	\$ -	\$ 105	\$ 6,655
<b>Data Collection, Field Studies and Analysis</b>												
Kickoff Meeting	2	2	6	2	2	2	1	17	\$ 3,065	\$ -	\$ -	\$ 3,065
<b>Preliminary Design</b>												
SUE Investigation, Coordination and Documentation/Identify Conflicts			4		12	12		28	\$ 4,180	\$ -	\$ -	\$ 4,180
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)			4	2	20	20		46	\$ 6,710	\$ -	\$ -	\$ 6,710
Roadway Design			4		16	8		28	\$ 4,060	\$ -	\$ -	\$ 4,060
Drainage Design			4		24	12		40	\$ 5,680	\$ -	\$ -	\$ 5,680
Fulton Ditch Bridge Type Selection Study and General Layout			8	100	12	8		128	\$ 18,880	\$ -	\$ -	\$ 18,880
Signing and Striping Plan			4		8	4		16	\$ 2,440	\$ -	\$ -	\$ 2,440
Construction Phasing and Traffic Control Plan			4		8			12	\$ 1,820	\$ -	\$ -	\$ 1,820
Storm Water Management Plan			4		8	16		28	\$ 4,300	\$ -	\$ -	\$ 4,300
Landscape Plan			2		4	4		10	\$ 1,530	\$ -	\$ -	\$ 1,530
Initial ROW Requirements			4		8	8		20	\$ 3,060	\$ -	\$ 210	\$ 3,270
Technical Specifications			4		8	8	4	24	\$ 3,320	\$ -	\$ -	\$ 3,320
Quantity Determination and Opinion of Construction Costs			4		12	8		24	\$ 3,560	\$ -	\$ -	\$ 3,560
Quality Review and Revisions		8	2	2	4	4		20	\$ 3,620	\$ -	\$ -	\$ 3,620
Public Open House			4		16	12		32	\$ 4,680	\$ -	\$ 210	\$ 4,890
Field Inspection Review (FIR)			4			4	2	10	\$ 1,570	\$ -	\$ -	\$ 1,570
<b>Final Design</b>												
SUE Coordination/Conflict Resolution			4		12	12		28	\$ 4,180	\$ -	\$ -	\$ 4,180
ROW Acquisition Documents			8		16	12		36	\$ 5,500	\$ -	\$ 31,920	\$ 37,420
Plan Production (Title Sheet, General Notes, Typcial Sections, etc)			2	2	16	16		36	\$ 5,180	\$ -	\$ -	\$ 5,180
Roadway Design and Roadside Development			4		8			12	\$ 1,820	\$ -	\$ -	\$ 1,820
Drainage Design and Details			2		8			10	\$ 1,410	\$ -	\$ -	\$ 1,410
Fulton Ditch Structure Design and Details			4	192	16	8		220	\$ 31,900	\$ -	\$ -	\$ 31,900
Signing and Striping Plan			2		8			10	\$ 1,410	\$ -	\$ -	\$ 1,410
Construction Phasing and Traffic Control Plan			2		8			10	\$ 1,410	\$ -	\$ -	\$ 1,410
Storm Water Management Plan			2			16		18	\$ 2,890	\$ -	\$ -	\$ 2,890
Landscape and Irrigation Plan and Details			2		4	4		10	\$ 1,530	\$ -	\$ -	\$ 1,530
ROW Plans, Legal Descriptions and Plan Exhbiits								0	\$ -	\$ -	\$ -	\$ -
Technical Specifications			2		8	8	4	22	\$ 2,910	\$ -	\$ -	\$ 2,910
Quantity Determination and Opinion of Construction Costs			4	8	12	8		32	\$ 4,720	\$ -	\$ -	\$ 4,720
Quality Review and Revisions		12	2	4	8	8		34	\$ 5,930	\$ -	\$ -	\$ 5,930
Final Office Review (FOR)			4			4	2	10	\$ 1,570	\$ -	\$ -	\$ 1,570
Bid Documents			12	8	16	16		52	\$ 8,100	\$ -	\$ -	\$ 8,100
<b>Construction Administration</b>												
Pre-Construction Meeting			4			4		8	\$ 1,400	\$ -	\$ -	\$ 1,400
Requests for Information (RFI)			4	4	12	12		32	\$ 4,720	\$ -	\$ -	\$ 4,720
Shop Submittals			4	16	8	8		36	\$ 5,340	\$ -	\$ -	\$ 5,340
Construction Document Clarification			4	4		4		12	\$ 1,980	\$ -	\$ -	\$ 1,980
Final Acceptance Review			4	4		4		12	\$ 1,980	\$ -	\$ -	\$ 1,980
Direct Expenses									\$ 2,000			\$ 2,000
	8	22	158	348	322	286	13	1,157	\$ 174,905	\$ 2,000	\$ 32,445	\$ 209,350



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Huitt-Zollars, Inc  
Additional Services Manhour and Fee Estimate - Phase II

Task	Manhours							Fee			
	PIC	QM	Sr PM	Str Eng	EI	SD	PS	HZ	Direct Expense	Sub Consultant	Total
	\$235	\$225	\$195	\$145	\$125	\$155	\$65				
<b>Additional Right-of-Way Services</b>											
Additional Title Commitments (6)								0 \$	-	\$	3,000 \$
Additional ROW Legal Descriptions and Plan Exhibits (6)			2		6	6		14 \$	2,070	\$	3,300 \$
<b>ROW and Easement Acquisition (10)</b>											
Appraisals								0 \$	-	\$	8,570 \$
Offer Letters								0 \$	-	\$	4,285 \$
Good Faith Negotiations								0 \$	-	\$	31,350 \$
Final Legal Descriptions and Plan Exhibits								0 \$	-	\$	2,040 \$
City Council Approvals	8							8 \$	1,880	\$	1,880 \$
Real Estate Closings								0 \$	-	\$	3,345 \$
Coordination w/C3 Legal Counsel								0 \$	-	\$	3,345 \$
<b>Utility Potholing</b>											
Utility Potholes								0 \$	-	\$	- \$
Survey Utility Potholes								0 \$	-	\$	- \$
Incorporate Utility Pothole Data into Utility Plans								0 \$	-	\$	- \$
<b>Property Owner/Citizen Coordination</b>											
Compile Ownership List (40)								0 \$	-	\$	- \$
Individual Property Owner Meetings (11)			20			10	4	34 \$	5,710	\$	5,710 \$
<b>Plan Changes after FOR Comments</b>											
FOR Revisions								0 \$	-	\$	- \$
Landscape Revisions								0 \$	-	\$	- \$
<b>Plan Reproduction Services</b>											
Bid Document Reproduction (per C3 RFP)								0 \$	-	\$	2,000 \$
<b>Water and Sanitary Sewer Relocations</b>											
SACWSD Water and/or Sanitary Sewer Relocation Plans			8		8	8		24 \$	3,800	\$	3,800 \$
SACWSD Special Provisions								0 \$	-	\$	- \$
Opinion of Construction Costs								0 \$	-	\$	- \$
<b>Retaining Wall Design</b>											
Geotechnical Investigation, Analyses and Foundation Recommendations								0 \$	-	\$	4,795 \$
Retaining Wall Layout and Design			8		24	16		48 \$	7,040	\$	7,040 \$
Project Special Provisions			4		4		2	10 \$	1,410	\$	1,410 \$
<b>Miscellaneous Additional Survey</b>											
Supplemental Field Survey								0 \$	-	\$	- \$
<b>Additional Project and Public Coordination</b>											
Progress Meetings			12				2	14 \$	2,470	\$	2,470 \$
Public Open House (1) (inc'l location arrangements, exhibits, notification, etc)			4		6	4	2	16 \$	2,280	\$	2,280 \$
Maintain Mail List			2		4		2	8 \$	1,020	\$	1,020 \$
Individual Property Owner Meetings (2)			4				2	6 \$	910	\$	910 \$
<b>Bid Services</b>											
Pre-Bid Meeting			2					2 \$	390	\$	390 \$
Bid Addenda			2		4	4		10 \$	1,510	\$	1,510 \$
Bid Opening and Documentation			2					2 \$	390	\$	390 \$
Issued for Construction Documents			4		8	8		20 \$	3,020	\$	3,020 \$
<b>Total</b>	8	0	74	0	64	56	14	216 \$	33,900	\$ 2,000	\$ 64,030 \$

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Foresight West Surveying  
Base Services Manhour and Fee Estimate - Phase II

Task	Manhours							Total	Fee		
	Prof Land Surveyor	2 Person Survey Crew	1 Person Survey Crew	Survey CAD Tech	Survey Project Manager	Drone & Pilot	Legal Desc & Exhibits		FWS	Direct Expense	Total
	\$140	\$166	\$120	\$120	\$120	\$140	\$550				
Project Management, Design and Stakeholder Coordination Meetings								0	\$ -	\$ -	\$ -
<b>Data Collection, Field Studies and Analysis</b>											
Kickoff Meeting								0	\$ -	\$ -	\$ -
<b>Preliminary Design</b>											
SUE Investigation, Coordination and Documentation/Identify Conflicts								0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design								0	\$ -	\$ -	\$ -
Drainage Design								0	\$ -	\$ -	\$ -
Fulton Ditch Bridge Type Selection Study and General Layout								0	\$ -	\$ -	\$ -
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape Plan								0	\$ -	\$ -	\$ -
Identify Initial ROW Requirements								0	\$ -	\$ -	\$ -
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Public Open House								0	\$ -	\$ -	\$ -
Field Inspection Review (FIR)								0	\$ -	\$ -	\$ -
<b>Final Design</b>											
SUE Coordination/Conflict Resolution								0	\$ -	\$ -	\$ -
ROW Acquisition Documents	40		48	90	8		16	202	\$ 31,920	\$ -	\$ 31,920
Plan Production (Title Sheet, General Notes, Typical Sections, etc)								0	\$ -	\$ -	\$ -
Roadway Design and Roadside Development								0	\$ -	\$ -	\$ -
Drainage Design and Details								0	\$ -	\$ -	\$ -
Fulton Ditch Structure Design and Details								0	\$ -	\$ -	\$ -
Signing and Striping Plan								0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan								0	\$ -	\$ -	\$ -
Storm Water Management Plan								0	\$ -	\$ -	\$ -
Landscape and Irrigation Plan and Details								0	\$ -	\$ -	\$ -
ROW Plans, Legal Descriptions and Plan Exhibits								0	\$ -	\$ -	\$ -
Technical Specifications								0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs								0	\$ -	\$ -	\$ -
Quality Review and Revisions								0	\$ -	\$ -	\$ -
Final Office Review (FOR)								0	\$ -	\$ -	\$ -
Bid Documents								0	\$ -	\$ -	\$ -
<b>Construction Administration</b>											
Pre-Construction Meeting								0	\$ -	\$ -	\$ -
Requests for Information (RFI)								0	\$ -	\$ -	\$ -
Shop Submittals								0	\$ -	\$ -	\$ -
Construction Document Clarification								0	\$ -	\$ -	\$ -
Final Acceptance Review								0	\$ -	\$ -	\$ -
	40	0	48	90	8	0	16	202	\$ 31,920	\$ -	\$ 31,920



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Foresight West Surveying  
Additional Services Manhour and Fee Estimate - Phase II

Task	Manhours								Fee		
	Prof Land Surveyor	2 Person Survey Crew	1 Person Survey Crew	Survey CAD Tech	Survey Project Manager	Drone & Pilot	Legal Desc & Exhibits	Total	FWS	Direct Expense	Total
	\$140	\$166	\$120	\$120	\$120	\$140	\$550				
<b>Additional Right-of-Way Services</b>											
Additional Title Commitments (6)								0	\$ -	\$ -	\$ -
Additional ROW Legal Descriptions and Plan Exhibits (6)							6	6	\$ 3,300	\$ -	\$ 3,300
<b>ROW and Easement Acquisition (10)</b>											
Appraisals								0	\$ -	\$ -	\$ -
Offer Letters								0	\$ -	\$ -	\$ -
Good Faith Negotiations								0	\$ -	\$ -	\$ -
Final Legal Descriptions and Plan Exhibits	6			10				16	\$ 2,040	\$ -	\$ 2,040
City Council Approvals								0	\$ -	\$ -	\$ -
Real Estate Closings								0	\$ -	\$ -	\$ -
Coordination w/C3 Legal Counsel								0	\$ -	\$ -	\$ -
<b>Utility Potholing (30)</b>											
Utility Potholes								0	\$ -	\$ -	\$ -
Survey Utility Potholes								0	\$ -	\$ -	\$ -
Incorporate Utility Pothole Data into Utility Plans								0	\$ -	\$ -	\$ -
<b>Property Owner/Citizen Coordination</b>											
Compile Ownership List (40)								0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (40)								0	\$ -	\$ -	\$ -
<b>Plan Changes after FOR Comments</b>											
FOR Revisions								0	\$ -	\$ -	\$ -
Landscape Revisions								0	\$ -	\$ -	\$ -
<b>Plan Reproduction Services</b>											
Bid Document Reproduction (per C3 RFP)								0	\$ -	\$ -	\$ -
<b>Water and Sanitary Sewer Relocations</b>											
SACWSD Water and/or Sanitary Sewer Relocation Plans								0	\$ -	\$ -	\$ -
SACWSD Special Provisions								0	\$ -	\$ -	\$ -
Opinion of Construction Costs								0	\$ -	\$ -	\$ -
<b>Retaining Wall Design</b>											
Geotechnical Investigation, Analyses and Foundation Recommendations								0	\$ -	\$ -	\$ -
Retaining Wall Layout and Design								0	\$ -	\$ -	\$ -
Project Special Provisions								0	\$ -	\$ -	\$ -
<b>Miscellaneous Additional Survey</b>											
Supplemental Field Survey								0	\$ -	\$ -	\$ -
<b>Additional Project and Public Coordination</b>											
Progress Meetings								0	\$ -	\$ -	\$ -
Public Open House (1) (inc'l location arrangements, exhibits, notification, etc)								0	\$ -	\$ -	\$ -
Maintain Mail List								0	\$ -	\$ -	\$ -
Individual Property Owner Meetings (2)								0	\$ -	\$ -	\$ -
<b>Bid Services</b>											
Pre-Bid Meeting								0	\$ -	\$ -	\$ -
Bid Addenda								0	\$ -	\$ -	\$ -
Bid Opening and Documentation								0	\$ -	\$ -	\$ -
Issued for Construction Documents								0	\$ -	\$ -	\$ -
<b>Total</b>	6	0	0	10	0	0	6	22	\$ 5,340	\$ -	\$ 5,340

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Kumar and Associates  
Additional Services Manhour and Fee Estimate - Phase II

Task	Manhours							Fee			
	Principal Engineer	Proj Eng Geologist	Field Engineer	Drafter	Word Processor			Total	KA	Direct Expense	Total
	\$205	\$90	\$70	\$80	\$50						
<b>Additional Right-of-Way Services</b>											
Additional Title Commitments (6)								0 \$	- \$	- \$	- \$
Additional ROW Legal Descriptions and Plan Exhibits (6)								0 \$	- \$	- \$	- \$
<b>ROW and Easement Acquisition (10)</b>											
Appraisals								0 \$	- \$	- \$	- \$
Offer Letters								0 \$	- \$	- \$	- \$
Good Faith Negotiations								0 \$	- \$	- \$	- \$
Final Legal Descriptions and Plan Exhibits								0 \$	- \$	- \$	- \$
City Council Approvals								0 \$	- \$	- \$	- \$
Real Estate Closings								0 \$	- \$	- \$	- \$
Coordination w/C3 Legal Counsel								0 \$	- \$	- \$	- \$
<b>Utility Potholing (30)</b>											
Utility Potholes								0 \$	- \$	- \$	- \$
Survey Utility Potholes								0 \$	- \$	- \$	- \$
Incorporate Utility Pothole Data into Utility Plans								0 \$	- \$	- \$	- \$
<b>Property Owner/Citizen Coordination</b>											
Compile Ownership List (40)								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (40)								0 \$	- \$	- \$	- \$
<b>Plan Changes after FOR Comments</b>											
FOR Revisions								0 \$	- \$	- \$	- \$
Landscape Revisions								0 \$	- \$	- \$	- \$
<b>Plan Reproduction Services</b>											
Bid Document Reproduction (per C3 RFP)								0 \$	- \$	- \$	- \$
<b>Water and Sanitary Sewer Relocations</b>											
SACWSD Water and/or Sanitary Sewer Relocation Plans								0 \$	- \$	- \$	- \$
SACWSD Special Provisions								0 \$	- \$	- \$	- \$
Opinion of Construction Costs								0 \$	- \$	- \$	- \$
<b>Retaining Wall Design</b>											
Geotechnical Investigation, Analyses and Foundation Recommendations	1	5	10	2				18 \$	1,515 \$	3,280 \$	4,795 \$
Retaining Wall Layout and Design								0 \$	- \$	- \$	- \$
Project Special Provisions								0 \$	- \$	- \$	- \$
<b>Miscellaneous Additional Survey</b>											
Supplemental Field Survey								0 \$	- \$	- \$	- \$
<b>Additional Project and Public Coordination</b>											
Progress Meetings								0 \$	- \$	- \$	- \$
Public Open House (1) (incl location arrangements, exhibits, notification, etc)								0 \$	- \$	- \$	- \$
Maintain Mail List								0 \$	- \$	- \$	- \$
Individual Property Owner Meetings (2)								0 \$	- \$	- \$	- \$
<b>Bid Services</b>											
Pre-Bid Meeting								0 \$	- \$	- \$	- \$
Bid Addenda								0 \$	- \$	- \$	- \$
Bid Opening and Documentation								0 \$	- \$	- \$	- \$
Issued for Construction Documents								0 \$	- \$	- \$	- \$
<b>Total</b>	1	5	10	2	0	0	0	18 \$	1,515 \$	3,280 \$	4,795 \$



Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Universal Field Services  
Base Services Manhour and Fee Estimate - Phase II

Task	Manhours							Fee		
	PM	Senior Agent					Total	UFS	Direct Expense	Total
	\$105	\$94								
Project Management, Design and Stakeholder Coordination Meetings	1						1	\$ 105	\$ -	\$ 105
<b>Data Collection, Field Studies and Analysis</b>										
Kickoff Meeting							0	\$ -	\$ -	\$ -
<b>Preliminary Design</b>										
SUE Investigation, Coordination and Documentation/Identify Conflicts							0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typical Sections, etc)							0	\$ -	\$ -	\$ -
Roadway Design							0	\$ -	\$ -	\$ -
Drainage Design							0	\$ -	\$ -	\$ -
Fulton Ditch Bridge Type Selection Study and General Layout							0	\$ -	\$ -	\$ -
Signing and Striping Plan							0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan							0	\$ -	\$ -	\$ -
Storm Water Management Plan							0	\$ -	\$ -	\$ -
Landscape Plan							0	\$ -	\$ -	\$ -
Initial ROW Requirements	2						2	\$ 210	\$ -	\$ 210
Technical Specifications							0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs							0	\$ -	\$ -	\$ -
Quality Review and Revisions							0	\$ -	\$ -	\$ -
Public Open House	2						2	\$ 210	\$ -	\$ 210
Field Inspection Review (FIR)							0	\$ -	\$ -	\$ -
<b>Final Design</b>										
SUE Coordination/Conflict Resolution							0	\$ -	\$ -	\$ -
ROW Acquisition Documents							0	\$ -	\$ -	\$ -
Plan Production (Title Sheet, General Notes, Typical Sections, etc)							0	\$ -	\$ -	\$ -
Roadway Design and Roadside Development							0	\$ -	\$ -	\$ -
Drainage Design and Details							0	\$ -	\$ -	\$ -
Fulton Ditch Structure Design and Details							0	\$ -	\$ -	\$ -
Signing and Striping Plan							0	\$ -	\$ -	\$ -
Construction Phasing and Traffic Control Plan							0	\$ -	\$ -	\$ -
Storm Water Management Plan							0	\$ -	\$ -	\$ -
Landscape and Irrigation Plan and Details							0	\$ -	\$ -	\$ -
ROW Plans, Legal Descriptions and Plan Exhibits							0	\$ -	\$ -	\$ -
Technical Specifications							0	\$ -	\$ -	\$ -
Quantity Determination and Opinion of Construction Costs							0	\$ -	\$ -	\$ -
Quality Review and Revisions							0	\$ -	\$ -	\$ -
Final Office Review (FOR)							0	\$ -	\$ -	\$ -
Bid Documents							0	\$ -	\$ -	\$ -
<b>Construction Administration</b>										
Pre-Construction Meeting							0	\$ -	\$ -	\$ -
Requests for Information (RFI)							0	\$ -	\$ -	\$ -
Shop Submittals							0	\$ -	\$ -	\$ -
Construction Document Clarification							0	\$ -	\$ -	\$ -
Final Acceptance Review							0	\$ -	\$ -	\$ -
	5	0	0	0	0	0	5	\$ 525	\$ -	\$ 525

Commerce City, Colorado  
Preliminary and Final Design of Brighton Road  
from E. 104th Ave to E. 112th Ave  
Universal Field Services  
Additional Services Manhour and Fee Estimate - Phase II

Task	Manhours							Fee		
	PM	Senior Agent					Total	UFS	Direct Expense	Total
	\$105	\$94								
<b>Additional Right-of-Way Services</b>										
Additional Title Commitments (6)							0 \$	- \$	3,000	3,000
Additional ROW Legal Descriptions and Plan Exhibits (6)							0 \$	- \$	-	-
<b>ROW and Easement Acquisition (10)</b>										
Appraisals	10	80					90 \$	8,570	-	8,570
Offer Letters	5	40					45 \$	4,285	-	4,285
Good Faith Negotiations	30	300					330 \$	31,350	-	31,350
Final Legal Descriptions and Plan Exhibits							0 \$	-	-	-
City Council Approvals							0 \$	-	-	-
Real Estate Closings	5	30					35 \$	3,345	-	3,345
Coordination w/C3 Legal Counsel	5	30					35 \$	3,345	-	3,345
<b>Utility Potholing (30)</b>										
Utility Potholes							0 \$	-	-	-
Survey Utility Potholes							0 \$	-	-	-
Incorporate Utility Pothole Data into Utility Plans							0 \$	-	-	-
<b>Property Owner/Citizen Coordination</b>										
Compile Ownership List (40)							0 \$	-	-	-
Individual Property Owner Meetings (40)							0 \$	-	-	-
<b>Plan Changes after FOR Comments</b>										
FOR Revisions							0 \$	-	-	-
Landscape Revisions							0 \$	-	-	-
<b>Plan Reproduction Services</b>										
Bid Document Reproduction (per C3 RFP)							0 \$	-	-	-
<b>Water and Sanitary Sewer Relocations</b>										
SACWSD Water and/or Sanitary Sewer Relocation Plans							0 \$	-	-	-
SACWSD Special Provisions							0 \$	-	-	-
Opinion of Construction Costs							0 \$	-	-	-
<b>Retaining Wall Design</b>										
Geotechnical Investigation, Analyses and Foundation Recommendations							0 \$	-	-	-
Retaining Wall Layout and Design							0 \$	-	-	-
Project Special Provisions							0 \$	-	-	-
<b>Misceallaneous Additional Survey</b>										
Supplemental Field Survey							0 \$	-	-	-
<b>Additional Project and Public Coordination</b>										
Progress Meetings							0 \$	-	-	-
Public Open House (1) (incl location arrangements, exhibits, notification, etc)							0 \$	-	-	-
Maintain Mail List							0 \$	-	-	-
Individual Property Owner Meetings (2)							0 \$	-	-	-
<b>Bid Services</b>										
Pre-Bid Meeting							0 \$	-	-	-
Bid Addenda							0 \$	-	-	-
Bid Opening and Documentation							0 \$	-	-	-
Issued for Construction Documents							0 \$	-	-	-
<b>Total</b>	55	480	0	0	0	0	535	50,895	3,000	53,895