

SULTAN CITY COUNCIL AGENDA ITEM COVER SHEET

ITEM NO: A-4

DATE: May 13, 2010

SUBJECT: Sultan Basin Road and US 2 Realignment
Construction Alternatives and Supplemental #4

CONTACT PERSON: Deborah Knight, City Administrator

ISSUE:

The issue before the city council is to discuss construction alternatives for Phase III of the Sultan Basin Road Realignment Project (Attachment A) and provide direction to staff.

If the city council decides to proceed with amending the project design, city staff have prepared a contract amendment (Supplemental No. 4) with WHPacific not to exceed \$117,000. The contract would be subject to the availability of city matching funds.

The contract amendment (Attachment B) authorizes WHPacific to revise the previously completed plans, specifications, and estimates to incorporate deleting the sidewalk on the east side of Sultan Basin Road and deleting the walls that were designed to ease right of way acquisition costs. These changes can reduce the project cost by \$802,000.

By changing the design, the city can save approximately \$685,000 (\$802,000 project savings- \$117,000 Supplemental No. 4 to revise the design).

STAFF RECOMMENDATION:

Discuss the revised cost estimate for Sultan Basin Road Phase III prepared by WHPacific and provide direction to staff.

Discuss the current status of project funding and required city matching funds.

Authorize the Mayor to sign Supplemental No. 4 with WHPacific, when matching funds are available, not to exceed \$117,000 to revise the previously completed plans, specifications and estimates.

SUMMARY:

The city has started the third and final phase of the Sultan Basin Road and US 2 realignment project. Improvements will consist of adding the fourth leg of Sultan Basin Road connecting Foundry Drive (now South Sultan Basin Road) and Cascade View Drive with US 2. There will be additional traffic control signals, lighting, and left turn lanes on US 2.

Because of the topography, the project requires considerable grading and fill and a significant retaining wall between US 2 and Cascade View Drive.

Currently, the project includes curb, gutter, sidewalks and bike lanes on both sides of the south leg between US 2 and the Burlington Northern railroad tracks. The sidewalks and bike lanes will connect the industrial park, residential neighborhood, park and ride lot and downtown commercial area.

Cascade View Drive at Foundry Dr



Proposed Improvement



Initial Scope and Cost Estimate

The city council received an update from WHPacific, the city's consulting engineer on the project in May 2009, October 2009, January 14, 2010, and January 28, 2010.

In October 2009, the project estimate was approximately \$2.8 million. During the October meeting, the city council discussed adding bike lanes and sidewalks to both sides of the project and directed the consultant to proceed with design work.

Since October 2009, WHPacific provided project costs estimates of between \$3.7 million and \$4.7 million. The current estimate is \$4.296 million. The city has received federal grants totaling \$2.2 million.

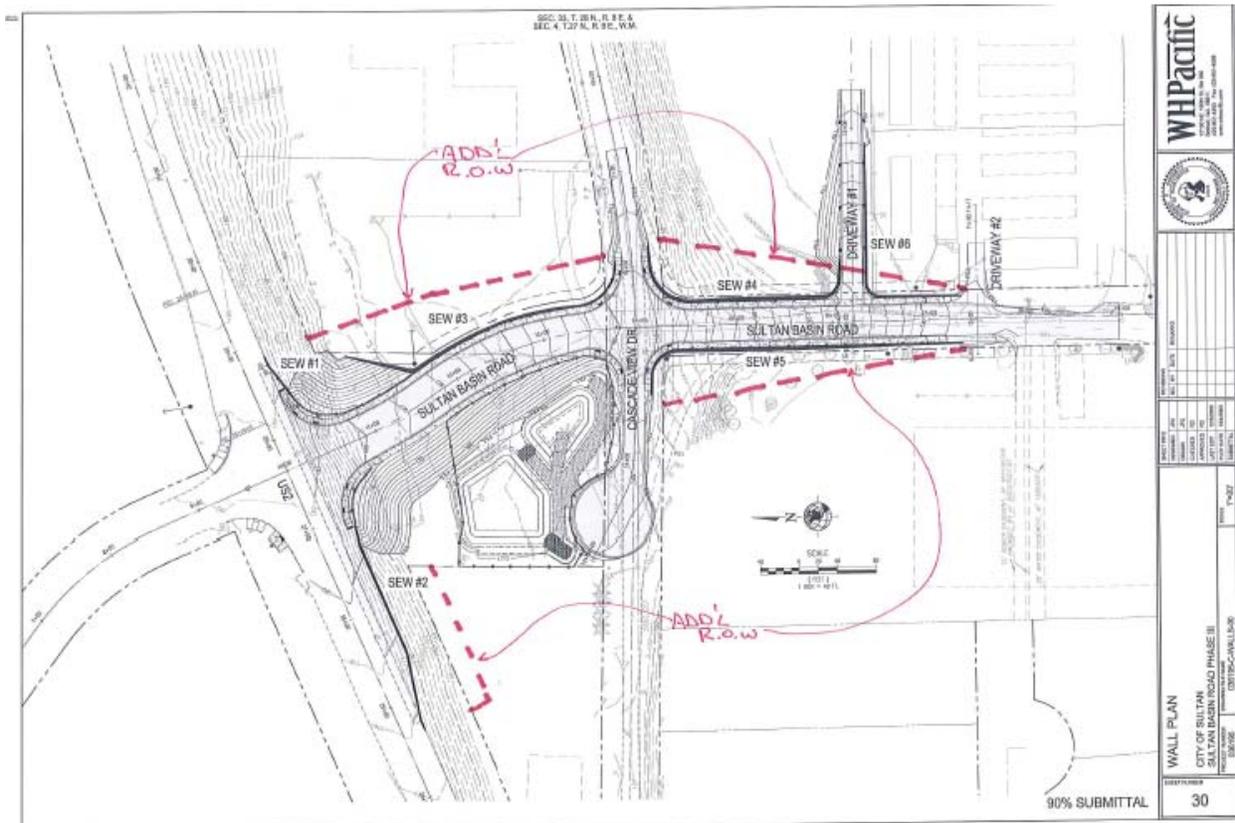
The estimated project cost was based on the scope of work (i.e. adding sidewalks and bike lanes at council request increases the cost), the cost of raw materials, and the current economic climate. The city has little or no control over some of these cost drivers.

Revised Scope and Cost Estimate

At the January 28, 2010 council meeting the city council discussed revising the scope of work to lower the project cost. The city council requested a cost estimate to revise the 90% plans, specifications and engineer's estimate to delete the sidewalk on the east side of Sultan Basin Road and delete the walls that were designed to ease right of way acquisitions.

The cost estimate to revise the plans, specifications and engineer's estimate is approximately \$117,000.

WHPacific evaluated the construction costs to remove the sidewalks, concrete curb and gutter, structural earth walls, bike lanes, and the acquisition of additional right-of-way along the entire extent of Sultan Basin road. US 2 would remain unchanged except for removing the walls. The roadway section would consist of (2) 12' lands (12' left turn lane on the upper end is retained), 4' shoulder, HMA extruded curb and guardrail



The total "change" including design costs is \$685,000 (\$802,000 construction savings- \$117,000 Supplemental No. 4). In other words, the city can reduce the project cost by approximately \$685,000 by approving the proposed design change and Supplemental No. 4.

The following table compares the full proposed section with the revised section for construction costs only.

	Full Proposed Section	No Sidewalk/walls/bike lanes (1-18-2010)	Change
Design/Environmental	\$ 500,000	\$ 550,000	\$ 50,000
R/W Acquisition	\$ 478,000	\$ 640,000	\$ 162,000
Construction	\$ 3,318,000	\$ 2,304,000	\$ (1,014,000)
Total	\$ 4,296,000	\$ 3,494,000	\$ (802,000)
Secured Federal Funding	\$ (2,203,754)	\$ (2,203,754)	
Required City Match	\$ (297,506)	\$ (297,506)	
Shortfall	\$ 1,794,740	\$ 992,740	

FISCAL IMPACT:

The project has \$2,203,754 in secured federal funding. The required city match is \$297,506. The city has spent \$75,697 of its own funds during the design phase.

Due to staff error in understanding the match requirement for the federal grant funds, the street fund ended 2009 with a negative fund balance. On February 19, 2010, city staff notified WHPacific of the council’s decision to stop work on the Sultan Basin Road project until city matching funds were available.

Project Matching Funds

The city’s total match requirement is 13.5% of \$4,296,000 or \$579,960 for the complete project (design, acquisition and construction).

The city is seeking \$249,295 in matching funds from the State Transportation Improvement Board (TIB) to complete construction of Stage I – Cascade View Drive to the Burlington Northern Railroad crossing.

The city was tentatively approved for matching fund from TIB in April 2010. The TIB board meets in early June to finalize and approve recommendations. The matching funds may be used to cover the city’s match of \$75,697 going back to December 2008.

City staff recommend keeping the project on hold until matching funds are secured.

Current Activity

Although the project is officially on-hold, a number of activities that were on-going in February have been completed. The city has paid several small invoices (<\$1,500) for this work:

- NEPA (federal environmental permit) was approved by the Federal Highway Administration (FHWA) and funding has been obligated.
- The noise study was submitted to WSDOT.
- The deadline to purchase wetland mitigation banking credits was extended from May 31, 2010 to July 31, 2010.
- Channelization and signal plans to WSDOT are on hold until the city decides if the project is going to move forward as is or with a revised sidewalk/roadway section.

The city has held payment on three invoices to WHPacific totaling \$58,117 pending the availability of \$71,992 in obligated funding from the federal high priority projects grant program (HPP). There is no city match required for this funding source. The city was notified May 3, 2010 the HPP money was secured and obligated. The WHPacific invoices are included in the May 13, 2010 vouchers for council approval.

ANALYSIS:

The city council directed staff and WHPacific to look at redesigning the project to reduce the overall project cost. WHPacific has prepared an analysis which indicates the city could lower the project cost by approximately \$685,000 by removing sidewalks on the east side and the structural earth walls.

Redesigning the project will take several months. The redesign could delay project construction until spring of 2011. The city has an obligation to begin construction on Stage I (Cascade View Drive to the BNRR tracks) by December 31, 2010. The city may be able to negotiate a short extension. In the mean-time the city could proceed with some of the property acquisition tasks and purchase the wetland mitigation credits.

A decision not to redesign the project will keep the current cost estimate at \$4,296,000. The project would include sidewalks on both sides, bike lanes and the wall. Property acquisition costs would be less but the overall project cost would be more.

If the council decides not to change the design, the project could proceed quickly to construction of Stage 1 once matching funds were secured.

ALTERNATIVES:

Alternative No. 1

- Discuss the revised cost estimate for Sultan Basin Road Phase III prepared by WHPacific. Direct staff to notify WHPacific of the council's decision to revise the design.
- Discuss the current status of project funding and required city matching funds.
- Authorize the Mayor to sign Supplemental No. 4 with WHPacific, when matching funds are available, not to exceed \$117,000 to revise the previously completed plans, specifications and estimates.

This alternative implies the city council approves of the revised design and cost estimate and is prepared to move forward quickly once matching moneys are secured.

The city council may also consider delaying authorization to sign Supplemental No. 4 until matching funds are secured rather than giving advanced authorization. Staff recommend providing advanced authorization for Supplemental No. 4 to avoid delaying the project once matching funds are secured.

Alternative No. 2

- Discuss the revised cost estimate for Sultan Basin Road Phase III prepared by WHPacific. Direct staff to notify WHPacific of the council's decision **not** to revise the design.

This alternative implies the city council does not approve of the revised design and cost estimate.

RECOMMENDED ACTION:

- Discuss the revised cost estimate for Sultan Basin Road Phase III prepared by WHPacific. Direct staff to notify WHPacific of the council's decision to revise the design.
- Authorize the Mayor to sign Supplemental No. 4 with WHPacific, when matching funds are available, not to exceed \$117,000 to revise the previously completed plans, specifications and estimates.

ATTACHMENT

A – Preliminary Cost Estimate - no sidewalks, walls, bike lanes

B – Supplemental No. 4

MEMORANDUM

Date: January 18, 2010

RE: Preliminary Cost Estimate –
 No Sidewalks/Walls/Bike Lanes

To: Connie Dunn, Public Works Director

From: Marc Servizi, P.E. Project Engineer

Company: City of Sultan

From: Sam Richard, Project Manager

Phone: (360) 793-1114

Project # 36195

Email:

Project Name Sultan Basin Road Phase III

Address: 319 Main Street Suite 200

PO Box 1199
 Sultan, WA 98294

Connie,

After our attendance at the City Council meeting last week, we have evaluated the construction costs to remove the sidewalks, concrete curb and gutter, structural earth walls, bike lanes, and the acquisition of additional right-of-way along the entire extent of Sultan Basin Road. US 2 would remain unchanged except removing of the walls. The road section would consist of (2) 12’ lanes (12’ left turn lane on the upper end is retained), 4’ shoulder, HMA extruded curb and guardrail (see attached sketch).

We have also evaluated the cost of obtaining more right-of-way due to removing the walls along the Pure Foods, Sultan Mini Storage, and Romac properties. Additional right-of-way would need to be obtained from the Grange property for the removal of the walls along US2 (see attached sketch)

Below is a summary of costs:

	Full Proposed Section	No Sidewalk/ walls/ bike lanes (1-18-2010)	Change
Design/Environmental	\$ 500,000	\$ 550,000	\$ 50,000
R/W Acquisition	\$ 478,000	\$ 640,000	\$ 162,000
Construction	\$ 3,318,000	\$ 2,304,000	\$ (1,014,000)
Total	\$ 4,296,000	\$ 3,494,000	\$ (802,000)
Secured Federal Funding	\$ (2,203,754)	\$ (2,203,754)	
Required City Match	\$ (297,506)	\$ (297,506)	
Shortfall	\$ 1,794,740	\$ 992,740	

If the city can come up with match for the current federal funding, our recommendation would be to proceed with wetland banking payment, having us revise plans and specifications for advertising and have Certified Land Services start the right-of-way acquisition process.

This way by the time Certified Land Services has acquired rights to enter, the status of new ARRA funding should be available at 100%. This then would put the City at top of list to receive as we would be ready to advertise and start construction almost immediately. If funds do not become available, then another decision has to be made on how to proceed.

If you have any further questions, please do not hesitate to call.

Thanks,

Sam Richard

Marc Servizi, P.E.

Enclosures: road section sketch, cost estimate, ROW sketch

95% CONSTRUCTION COST ESTIMATE

Project: **Sultan Basin Road Phase III**
 Alternative: **No Sidewalks, bike lanes, Walls**
 Estimate is based on the Full build out option (\$3.3M option)
 Project No.: 35195.0100
 Client: City of Sultan

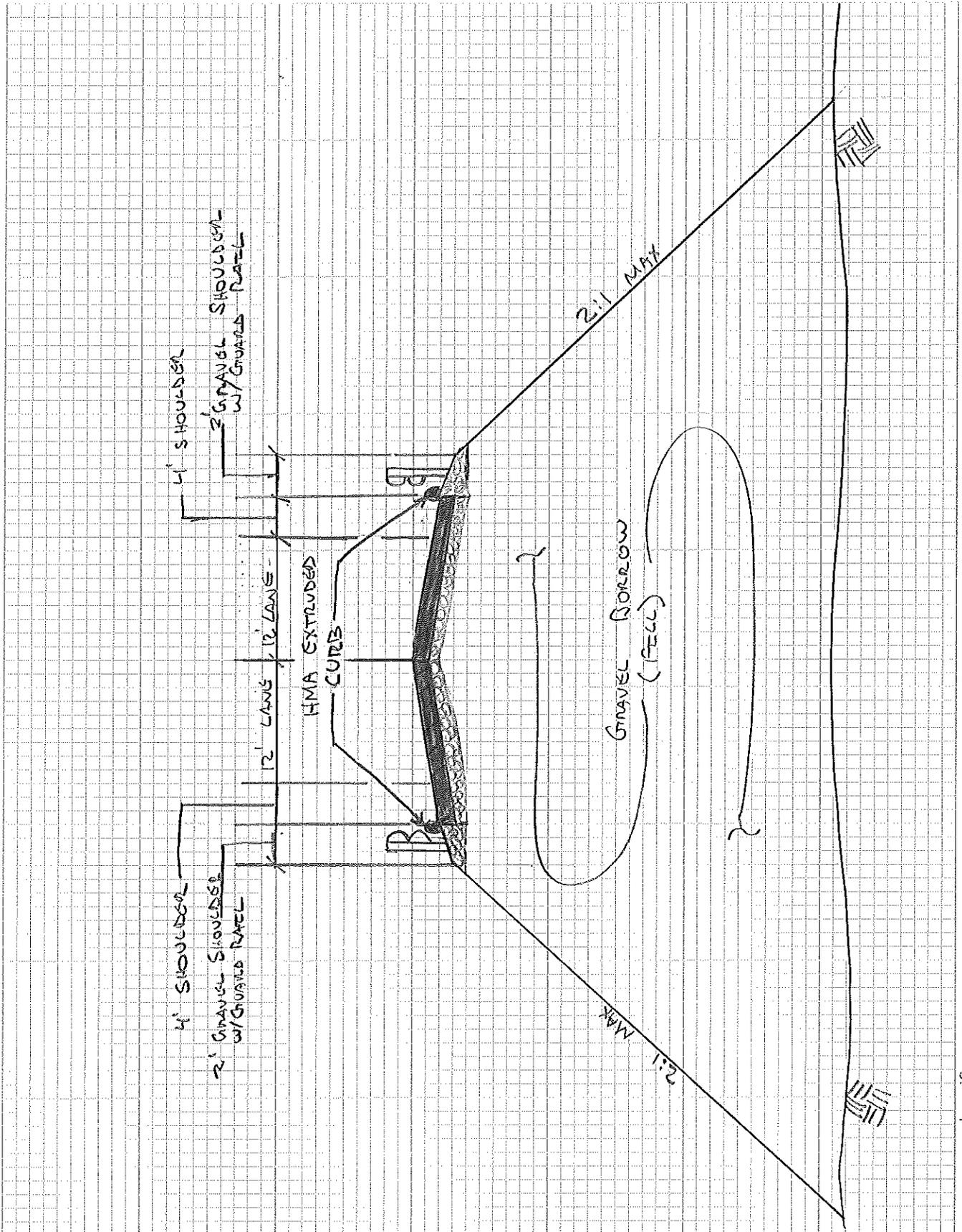
Date: 1/18/2010
 By: CRP

File P:\City of Sultan\036195\Design\Cost Estimates\{no sw no walls-01-15-2010-90%-Cost Estimate Sultan Basin Road.xls}Alt #1

ITEM NO.	DESCRIPTION	PREVIOUS				ENGINEER'S ESTIMATE	
		PLAN QTY	DIFFERENCE QTY	NEW QTY	UNIT	UNIT COST	TOTAL COST
SECTION: 1 PREPARATION							
1	MOBILIZATION (7%)	1	0	1	LS	\$139,471.94	\$ 139,471.94
2	CLEARING AND GRUBBING	2.91	1	3.71	ACRE	\$ 10,000.00	\$ 37,100.00
3	REMOVAL OF STRUCTURE AND OBSTRUCTION	1.00	0.00	1	LS	\$ 10,000.00	\$ 10,000.00
4	SAWCUTTING EXISTING PAVEMENT	876	0	876	LF	\$ 4.00	\$ 3,504.00
5	REMOVING ASPHALT CONC. PAVEMENT	789	0	789	SY	\$ 6.00	\$ 4,734.00
6	REMOVING TRAFFIC ISLAND	162	0	162	SY	\$ 15.00	\$ 2,430.00
7	REMOVING GUARDRAIL	580	0	580	LF	\$ 5.00	\$ 2,900.00
SECTION: 2 GRADING							
8	ROADWAY EXCAVATION INCL. HAUL	9,258	0	9,258	CY	\$ 12.00	\$ 111,096.00
9	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	925	0	925	CY	\$ 19.00	\$ 17,575.00
10	GRAVEL BORROW INCL. HAUL	55,000	14,000	69,000	TON	\$ 10.00	\$ 690,000.00
SECTION: 4 DRAINAGE							
11	DRAIN PIPE 6 IN. DIAM.	66	0	66	LF	\$ 15.00	\$ 990.00
SECTION: 5 STORM SEWER							
12	CATCH BASIN TYPE 1	19	0	19	EA	\$ 1,000.00	\$ 19,000.00
13	CATCH BASIN TYPE 2 48 IN. DIAM.	14	0	14	EA	\$ 2,000.00	\$ 28,000.00
14	60 IN. STORM FILTER MANHOLE 4 CARTRIDGE	1	0	1	EA	\$ 24,000.00	\$ 24,000.00
15	96 IN. STORM FILTER MANHOLE 14 CARTRIDGE	1	0	1	EA	\$ 39,200.00	\$ 39,200.00
16	DUCTILE IRON PIPE FOR STORM SEWER 12 IN. DIAM.	124	0	124	LF	\$ 60.00	\$ 7,440.00
17	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	1,905	0	1,905	LF	\$ 30.00	\$ 57,150.00
18	SCHEDULE A STORM SEWER PIPE 18 IN. DIAM.	11	0	11	LF	\$ 50.00	\$ 550.00
19	CL. II REINF. CONC. STORM SEWER PIPE 12 IN. DIAM.	130	0	130	LF	\$ 45.00	\$ 5,850.00
20	CL. IV REINF. CONC. STORM SEWER PIPE 36 IN. DIAM.	159	0	159	LF	\$ 110.00	\$ 17,490.00
21	UNDERDRAIN PIPE 36 IN. DIAM.	70	0	70	LF	\$ 100.00	\$ 7,000.00
22	GRAVEL BACKFILL FOR DRAIN	187	0	187	CY	\$ 32.00	\$ 5,984.00
SECTION: 6 SANITARY SEWER							
23	CONNECTION TO EXISTING SEWER MANHOLE	2	0	2	EA	\$ 800.00	\$ 1,600.00
24	PVC SANITARY SEWER PIPE 10 IN. DIAM.	232	0	232	LF	\$ 80.00	\$ 18,560.00
SECTION: 7 WATER LINES							
25	HYDRANT ASSEMBLY	2	0	2	EA	\$ 4,000.00	\$ 8,000.00
26	SERVICE CONNECTION 1 IN. DIAM.	4	0	4	EA	\$ 850.00	\$ 3,400.00
27	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.	245	0	245	LF	\$ 50.00	\$ 12,250.00
28	DUCTILE IRON PIPE FOR WATER MAIN 10 IN. DIAM.	1,070	0	1,070	LF	\$ 55.00	\$ 58,850.00
29	DUCTILE IRON PIPE FOR WATER MAIN 12 IN. DIAM.	47	0	47	LF	\$ 60.00	\$ 2,820.00
30	GATE VALVE 8 IN.	1	0	1	EA	\$ 1,100.00	\$ 1,100.00
31	GATE VALVE 10 IN.	6	0	6	EA	\$ 1,500.00	\$ 9,000.00
32	GATE VALVE 12 IN.	1	0	1	EA	\$ 1,800.00	\$ 1,800.00
33	CONNECTION TO EXISTING WATER MAIN	4	0	4	EA	\$ 1,000.00	\$ 4,000.00
34	WATER METER (INSTALL)	1	0	1	EA	\$ 1,200.00	\$ 1,200.00
SECTION: 8 STRUCTURES							
35	TRAFFIC BARRIER	205	0	205	LF	\$ 125.00	\$ 25,625.00
36	BRIDGE RAILING	1,432	(1,432)	0	LF	\$ 125.00	\$ -
37	SEW PEDESTRIAN BARRIER	954	(954)	0	LF	\$ 310.00	\$ -
38	SEW TRAFFIC BARRIER	273	(273)	0	LF	\$ 225.00	\$ -
39	STRUCTURAL EARTH WALL	18,582	(17,672)	910	SF	\$ 25.00	\$ 22,750.00
SECTION: 9 SURFACING							
40	CRUSHED SURFACING BASE COURSE	2,230	(315)	1,915	TON	\$ 21.00	\$ 40,209.56
SECTION: 14 HOT MIX ASPHALT							
41	HMA CL. 1/2 IN. PG 64-22	2,800	(48)	2,752	TON	\$ 77.00	\$ 211,904.00
SECTION: 17 EROSION CONTROL AND PLANTING							
42	SILT FENCE	2,349	0	2,349	LF	\$ 5.00	\$ 11,745.00
43	TOPSOIL TYPE A	1,590	0	1,590	CY	\$ 32.00	\$ 50,880.00
44	SEEDING, FERTILIZING, AND MULCHING	1.50	0	2	ACRE	\$ 2,000.00	\$ 3,000.00
45	INLET PROTECTION	29	0	29	EA	\$ 75.00	\$ 2,175.00
SECTION: 18 TRAFFIC							
46	CEMENT CONC. TRAFFIC CURB AND GUTTER	1,741	(1,741)	0	LF	\$ 11.00	\$ -
46a	HMA EXTRUDED CURB	0	1,741	1,741	LF	\$ 7.00	\$ 12,187.00
47	BEAM GUARDRAIL TYPE 1	660	1,520	2,180	LF	\$ 25.00	\$ 54,500.00
48	PAINT LINE	6,550	0	6,550	LF	\$ 0.50	\$ 3,275.00
49	PLASTIC WIDE LINE	525	0	525	LF	\$ 3.60	\$ 1,890.00
50	PLASTIC BICYCLE LANE SYMBOL	8	0	8	EA	\$ 150.00	\$ 1,200.00
51	PLASTIC TRAFFIC ARROW	9	0	9	EA	\$ 150.00	\$ 1,350.00
52	PLASTIC CROSSWALK LINE	448	0	448	SF	\$ 7.50	\$ 3,360.00
53	PLASTIC STOP LINE	80	0	80	LF	\$ 10.00	\$ 800.00
54	PERMANENT SIGNING	1	0	1	LS	\$ 25,000.00	\$ 25,000.00
55	TRAFFIC SIGNAL SYSTEM	1	0	1	LS	\$ 100,000.00	\$ 100,000.00

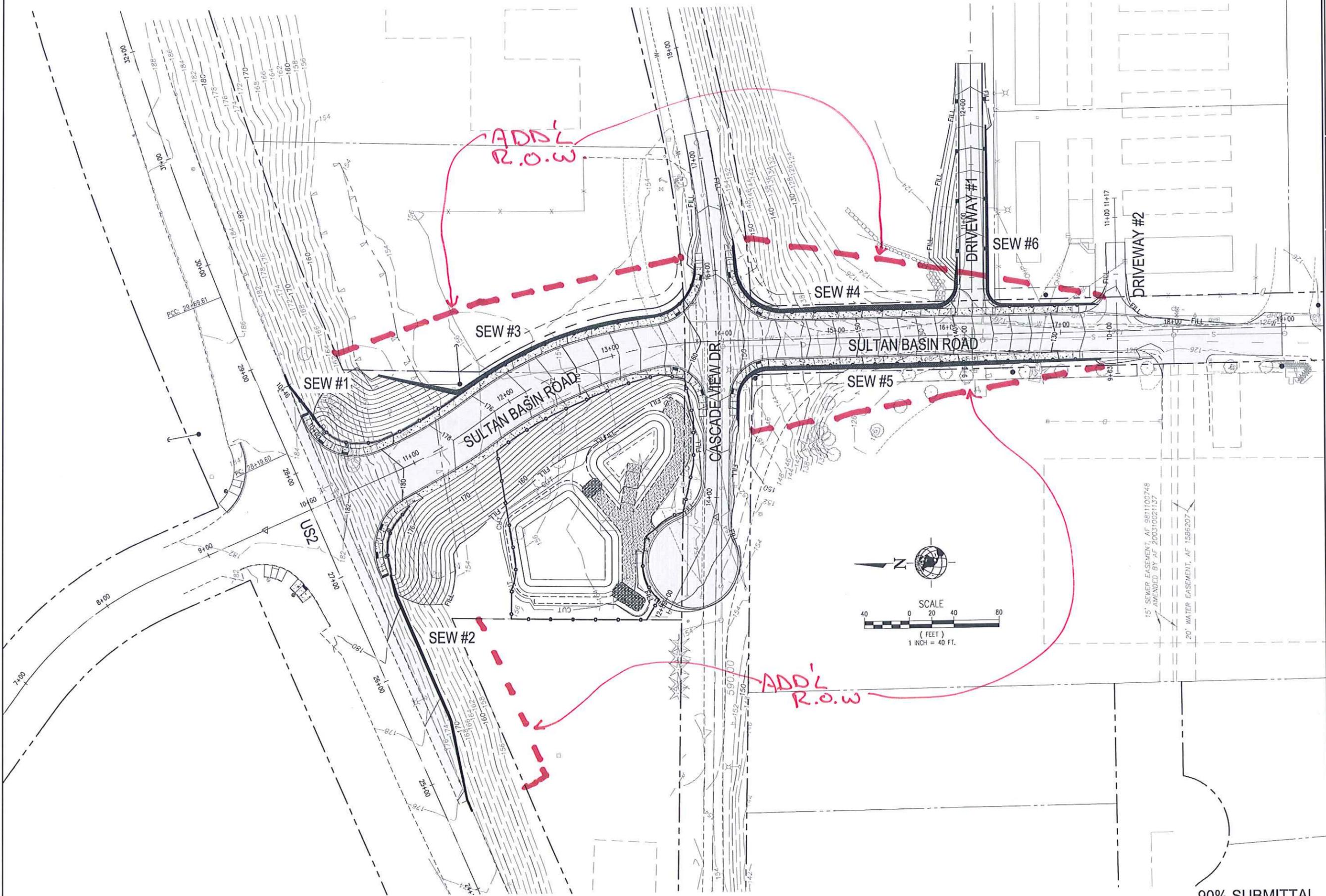
56	PROJECT TEMPORARY TRAFFIC CONTROL	1	0	1	LS	\$ 75,000.00	\$ 75,000.00	
SECTION: 19 OTHER ITEMS								
57	ADJUST MANHOLE	5	0	5	EA	\$ 1,000.00	\$ 5,000.00	
58	WATER	50	0	50	MGAL	\$ 150.00	\$ 7,500.00	
59	ROADWAY SURVEYING (3%)	1	0	1	LS	\$ 58,032.71	\$ 58,032.71	
60	CEMENT CONC. SIDEWALK	1090	(1,090)	0	SY	\$ 35.00	\$ -	
61	CEMENT CONC. SIDEWALK RAMP TYPE 2	13	(13)	0	EA	\$ 2,000.00	\$ -	
62	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 2	4	(4)	0	SY	\$ 50.00	\$ -	
63	ROADSIDE CLEANUP	1	0	1	EST.	\$ 5,000.00	\$ 5,000.00	
64	TRIMMING AND CLEANUP	1	0	1	LS	\$ 5,000.00	\$ 5,000.00	
65	FORCE ACCOUNT	1	0	1	EST.	\$ 25,000.00	\$ 25,000.00	
66	MANHOLE ADDITIONAL HEIGHT 48 IN. DIAM TYPE 1	2	0	2	EA	\$ 1,500.00	\$ 3,000.00	
67	SPCC PLAN	1	0	1	LS	\$ 1,000.00	\$ 1,000.00	
68	AREA INLET	2	0	2	EA	\$ 1,000.00	\$ 2,000.00	
69	MONUMENT CASE AND COVER	10	0	10	ESA	\$ 300.00	\$ 3,000.00	
70	HEAVY LOOSE RIPRAP	52	0	52	TON	\$ 25.00	\$ 1,300.00	
71	DOUBLE 20 FT. COATED CHAIN LINK GATE	1	0	1	EA	\$ 1,800.00	\$ 1,800.00	
72	COATED CHAIN LINK FENCE TYPE 3	670	0	670	LF	\$ 20.00	\$ 13,400.00	
SUBTOTAL							\$ 2,130,000	
WETLAND BANKING		0.17	0.10	0.27	ACRE	\$250,000.00	\$ 67,500	
CONSTRUCTION ENGINEERING (15%)							\$	319,500
BID ENVIRONMENT (-20%)							(\$426,000.00)	(\$426,000.00)
CONTINGENCY (10%)							\$	213,000

RECOMMENDED ALTERNATIVE TOTAL (LESS LAND ACQUISITION COST) \$ 2,304,000



Project SULTAN BASIN ROAD Subject TYPICAL ROAD SECTION Sheet No. 1 of 1
PHASE III

Job No. 036195 Prepared by CRP Date 1/18/10 Checked by _____ Date _____



WHPacific
 12100 NE 196th St, Ste 300
 Bellevue, WA 98011
 425-951-4800 Fax: 425-951-4808
 www.whpacific.com



REVISIONS	
NO.	BY DATE REMARKS

SHEET INFO	
DESIGNED	JPC
DRAWN	JPC
CHECKED	RD
APPROVED	RD
LAST EDIT	12/3/2009
PLOT DATE	12/4/2009
SUBMITTAL	

WALL PLAN
 CITY OF SULTAN
 SULTAN BASIN ROAD PHASE III
 PROJECT NUMBER 036195
 DRAWING FILE NAME 036195-C-WALLS-00
 SCALE 1"=20'

90% SUBMITTAL

Exhibit A-1
Scope of Work
City of Sultan
US2/Sultan Basin Road Improvements Phase III
Supplement #4

The work to be accomplished with this Supplemental Agreement will be to provide additional engineering design and right of way acquisition services to the City of Sultan (CITY). WHPacific will revise previously completed Plans, Specifications and Estimate to incorporate deletion of the sidewalk on the east side of Sultan Basin Road and deletion of walls that were designed to ease right of way acquisitions.

The revised typical roadway section (see attached drawing) includes 2-12 foot lanes, 2-5 foot bike lanes, 6 foot sidewalk with curb and gutter on west side and 6 foot shoulder on east side with 2:1 fill slopes. The project limits will be from US2 to 500 feet south of Cascade View Drive.

Task 1.0 Project Management and Administration

The CONSULTANT will provide contract management and administration services for the additional work, to include: developing and maintaining project scope and budget, liaison with CITY staff, and preparing monthly narrative progress reports and invoices.

The CONSULTANT will attend up to 2 meetings with city staff to review plan changes.

The CONSULTANT will attend one city council meeting to give update on project.

The CONSULTANT will complete a quality control check of all work prior to submitting for the CITY's review.

Task 2.0 Right of Way Plans

The CONSULTANT will prepare a new right-of-way plan that shows existing right-of-way and proposed right-of-way along with permanent and temporary easements needed to accommodate the revised planned improvements.

The CONSULTANT will prepare legal descriptions and exhibit maps for the Fern Bluff Grange and Robert Graham properties not in original scope of work.

Task 3.0 Plan Revisions

The CONSULTANT will update the plans as follows:

- Cover Sheet (sheet 1): Update the cover sheet index.
- Typical Road Sections (sheets 2-3): Revise the typical sections to show the new proposed section.
- Survey Control and Alignment Plan (sheet 4): Revise plan to show the new right-of-way lines required for the fill slopes.

- Erosion Control and Site Preparation Plan (sheets 5-8): Revise the plans to create the additional fill slopes and design the TESC measures to account for these slopes.
- Road Plan and Profile (sheets 10-14): Revise plans to show no new walls and maintain planned wall along the Bowman Property and Driveway (Driveway #1). Guardrail will be added to replace the entire barrier removed.
- Storm Drainage and Grading Plan and Profile (sheets 15-19): Revise plans including storm drain design to accommodate the narrowed roadway typical section. Utility/topography conflicts will be avoided where possible.
- Utility Plan and Profile (sheets 25-28): These plans will be revised to show the new proposed road section.
- Wall Plans, Sections and Details (sheets 30-41): Retaining wall plans, sections and details that will no longer apply will be removed and re-number the remaining sheets.
- Signal Plan (sheet 44): Re-plot plan showing new road layout and no walls.
- Channelization Plan (sheets 51-54): Re-channelize to show the correct street layout. The Turn lanes on US2 and Sultan Basin Road will remain.

Task 4.0 Contract Specifications

The CONSULTANT will update the contract specifications to meet the current WSDOT Standard Specification for 2010 and to accommodate plan revisions made.

Task 5.0 Contract Estimate

The CONSULTANT will update quantity calculations and the construction estimate to match plan revisions.

The CONSULTANT will develop a cost estimate for removing the planned wall along the western edge of the Bowman property. This supplement scope of work covers leaving the designed retaining wall in this location, but the barrier and railing will be replaced by guard rail. However the CONSULTANT will evaluate cost to remove the planned wall to determine if there is more cost effective option. Removing the wall, which would require relocating the Bowman property Storm Drainage system, would need to be addressed in another supplement agreement.

Task 6.0 Storm Drainage report

The CONSULTANT will update the Drainage Report in order to ensure consistency between the revised plans and the report. Any modifications to the storm drainage plans will be addressed in the Revised Drainage Report.

Task 7.0 Right of Way Acquisition

The CONSULTANT will prepare an updated Preliminary Funding Estimate (PFE) for ROW acquisitions needed for the planned improvements.

The CONSULTANT will prepare appraisals and appraisal reviews for Daniel Bowman, Robert Graham, MRVJ II LLC and Fern Bluff Grange properties all of which were not included in original scope.

The CONSULTANT will negotiate acquisition costs, review and clear titles; prepare closing documentation for the above named properties on behalf of the city.

Schedule

Upon notice to proceed with this supplement the consultant will submit final plans, specifications and estimate within 6 weeks.

The CONSULTANT will submit 100% Plans, specification and estimate to city for their final comments.

The CONSULTANT will address comments and prepare plans and specifications for advertising the project in two weeks from date of received of city's comments

CONSULTANT FEE ESTIMATE



Exhibit D-1

Client: City of Sultan

Project: US2 - Sultan Basin Road Phase III

Supplement #3

LABOR:

TASK NO.	TASK (Scope of Services)	WHPACIFIC PROJECT TEAM								TOTAL HOURS	LABOR COST
		Principal 70.00	Project Manager 60.00	Design Engineer 45.00	CADD Technician 30.00	Survey Party Chief 40.00	Survey - 2 Pers. Crew 50.00	Project Coord. 25.00	Clerical 22.00		
1.0	Project Management	16	48	12	4	0	0	2	4	86	\$4,798
	Administration		16					2	4		
	Meetings (3)	8	8	8							
	QA/QC	8	24	4	4						
2.0	Right of Way Plans	0	4	28	16	0	0	0	2	50	\$2,024
	Plans		2	4	16						
	Legal Descriptions		2	24					2		
3.0	Update Plans	0	14	83	107	0	0	0	0	204	\$7,785
	Cover Sheet				4						
	Typical Road Sections				5						
	Survey Control and Alignment Plan		2		10						
	Erosion Control and Site Preparation Plan			8	16						
	Road Plan and Profile		2	8	16						
	Driveway Profiles		4	24	16						
	Storm Drainage and Grading Plan and Profile		4	16	16						
	Storm Water Plans and Details			24	1						
	Utility Plan and Profile				1						
	Wall Plan, Profile and Details		2	2	16						
	Signal Plan				2						
	Channelization Plan			1	4						
4.0	Contract Provisions		2	8						10	\$480
5.0	Estimate		2	16	40					58	\$2,040
	Revise		2	8	8						
	Bowman Evaluation			8	32						
6.0	Storm Drainage Report		8	16	16					40	\$1,680
7.0	Address Review Comments	2	2	8	16					28	\$1,100
\$19,907											

Overhead Percentage: 173.40% x Direct Salary Cost (DSC) \$34,519
 Fixed Fee Percentage: 32.00% x Direct Salary Cost (DSC) \$6,370
Labor Total: \$60,796

EXPENSES:

EXPENSE	QUANTITY	COST	COST
Mileage	200	\$0.500	\$100
Plots and Reproductions	120	\$3.00	\$360
Expenses Total:			\$460

SUBCONSULTANTS:

SUBCONSULTANT	MARK UP	SUBCONSULTANT COST
Certified Land Services	\$ 47,150	0
Subconsultants Total:		\$47,150

Management Reserve Fund 10% \$8,213

TOTAL PROJECT FEE: \$116,619