

Scope of Services

Ohio Department of Transportation Scope of Services Documents

Project Designation: County: Warren **Route:** US-42 **Section:** SLM 0.00–SLM 2.00
PID#: 79850 **State Job #:** XXXXX
Highway Function Classification: Urban Principal Arterial
Design Function Classification: Urban Principal Arterial
Legislation Status: Completed XX/XX/XX
Scope of Services Meeting Date: Xxx. XX, 20XX

PDP Category: Minor

Project Limits: US-42

From: Butler Warren Road (SLM 0.00)

To: Tylersville Road (SLM 2.00)

Project Length: 2.00 mi. +/-

Work Length: 2.20 mi. +/-

Lateral limits: 50' +/- each side of existing centerline.

Study Limits: 100 +/- on each side of existing centerline.

Consultant Selected for Qualifications

Consultant: XXX

Contracting Officer: XXX

Consultant Project Manager: XXX

Phone # (xxx) xxx-xxxx

E-mail Address: xxx@xxx.com

Agreement between Consultant and City of Mason

City of Mason Project Manager: Richard Fair, P.E.

Phone # (513) 229-8520

ODOT Project Manager:

~~Thomas Arnold~~ *Lee Matthes*

Phone # (513) 933-~~6588~~ *6612*

E-mail Address: ~~Tom.Arnold~~@dot.state.oh.us

Lee.Matthes

PDP Steps Included in this Agreement: Step 1 through Step 8

The project shall be developed in accordance with the Department's most current Project Development Process Manual.

This Agreement will be implemented in Parts appropriate to the PDP. Part 1 of the Agreement will extend through Steps 1-4. Part 1 will be compensated under a not to exceed fee form of agreement. The specific scope of work and cost proposal for each succeeding PDP step shall be developed as the current step is completed.

Number of Meetings under Part 1: Project kickoff meeting and approximately 9 +/- interim review meetings

Completion Schedule for Part 1: **18 Months**

Red Flag Summary

The City of Mason and ODOT have completed an initial red flag summary. However, as project development continues, additional red flags may be identified. The consultant shall continue to evaluate the project for the presence of such red flags throughout the project development process, and promptly bring such to the attention of the Department.

Project Objectives as found in the CM/AQ Application dated 11/1/04

1. The roadway will be widened to provide a five lane section from Tylersville Road to Western Row Road and a three lane section from Western Row Road to Butler Warren Road. Currently, the project area has an inconsistent cross section.
2. A bike path will be added to one side of the roadway from Tylersville Road to Butler Warren Road. Currently the project area does not have a bike path.
3. A sidewalk will be added to one side of the roadway from Tylersville Road to Butler Warren Road. Currently the project area does not have a sidewalk.
4. Curb and Gutter, as well as a storm sewer will be added to the project area. The project will replace several of the existing culverts which have outlived their service life.
5. Identify areas where the profile or other design features do not meet the ODOT Design Manual guidelines, and prepare the 'Design Exceptions' for these profiles or features per L&D Manual. These design exceptions shall be submitted and reviewed by District 8.
6. Key intersections will be identified and turn lanes will be provided at these intersections. In order to design each intersection, a capacity analysis of each intersection should be conducted.
7. Access Management techniques will be applied to the project to reduce the number of full movement driveways and the number of curb cuts along the project.
8. Prepare a Microsoft project schedule to detail the activities of Part 1 and submit this document to the Mason for review with the Part 1 price proposal. Provide monthly updates to the schedule as the project progresses.

Design Speed: 40 mph

Legal Speed: 40 mph

Section 1400 Exceptions

Part 1

The Project Development Process is detailed in the third volume of the Location and Design Manual. The Consultant will follow the process detailed in the manual with the following exceptions (non-perform):

- Section 1403.6.2, Minor Project Preliminary Engineering Studies
 - Do not perform the following activities: 13, 38, 61.

1. Certified traffic data will be provided by the City of Mason and/or ODOT
2. Original construction plans will be provided by the City of Mason and/or ODOT

Public Involvement

The Consultant will prepare and submit exhibits for a Public Involvement Meeting, and will attend the Public Involvement Meeting. (maximum of 3 employees)

Utilities:

- a. The consultant shall locate, plot and discuss involvement of all existing utility facilities in accordance with Section 153.64 of the Ohio Revised Code. The utility facilities shall be addressed in the Red Flag Summary and coordinated with the District 8 Utilities Office.
- b. The consultant shall contact the District 8 Utilities Department for the correct addresses, telephone numbers and company contacts. The District 8 Utility Department is to be copied on all correspondence to and from the utilities.

Part 2

Part 2 will complete detail design development with the Stage 1 plans and related comments forming the Scope of Services. Part 2 of the Agreement will extend through Steps 5-8. Upon approval of the Scope of Services by the City of Mason and District, the consultant shall submit a price proposal with the Stage 1 submittal. The agreement for Part 2 will be a cost not to exceed fee for completion of the detailed design.

Number of Meetings under Part 2: 9 +/- interim review meetings

Completion Schedule for Part 2: 9 Months

Type of Agreement: Cost Not to Exceed

Software: AutoCAD 2006; Word, Excel, Projects 2003

~~Due Date for Cost Proposal: January 3, 2005~~

The proposal must comply with the Consulting Services Specification.

Submit as follows: One Copy to the following:

Richard Fair, P.E., City Engineer
6000 Mason Montgomery Road
Mason, Ohio 45040
(513) 229-8520

Comments: The consultant will be required to immediately communicate any change in project management, cost, scope or schedule to the City. The consultant and City will develop a working schedule for the project. The consultant will be required to produce a recovery schedule if the project falls behind the agreed working schedule.

Payment of Invoices:

If the project falls behind the approved schedule payment of all invoices will stop until a satisfactory recovery schedule is agreed upon.

KZFDESIGN

main 513.621.6211
fax 513.621.6530

KZF.COM

May 24, 2007

Mr. Richard Fair, PE
City Engineer
City of Mason
600 Mason Montgomery Road
Mason, Ohio 45040

Subject: Engineering Cost Proposal for Part 2
WAR-42-0.00 (Reading Road) Widening
PID No. 79850

Dear Mr. Fair,

We are pleased to submit this engineering cost proposal for Part 2, Stages 2 and 3 to complete the construction documents for the widening of US 42 in the City of Mason.

Stage 2 will require the preparation of Right of Way plans including preliminary plans for Traffic Control, Lighting and Maintenance of Traffic.

Stage 3 will require the completion of all plans, including final quantity sheets, construction cost estimate and Tracing submission

KZF will use the services of two ODOT prequalified sub-consultants:

G.J. Berding Surveying for finalizing the property lines and prepare the legal descriptions including staking the new Right-of-Way.

Mr. Bud Naylor, Project Manager, with DLZ for the Right-of-Way Acquisition phase. Mr. Dion Conner, CDS Associates, will be assisting with the actual acquisition.

Enclosed please find the spread sheets (ODOT Format) of the Cost Proposal and Personnel Total Hours, including copies of the sub-consultants proposals.

Considering review times by ODOT and the City we anticipate completion of the Right-of-Way plans including legal descriptions by 4-1-08.

We would be pleased to meet with you to discuss this proposal if you wish to do so.
For any questions or additional information please contact Heinrich Zehetmaier at (513) 621
6211.

Sincerely,
KZF Design Inc.



Henry L. Fedders, Jr., P.E.
Director, Transportation and Municipal Group

3 2008

	R	S	T	U	V	W	X	Y	Z	AA	AB
1	ENGINEERING AND TECHNICAL SERVICE COST PRICE PROPOSAL										
2	AND LABOR RATES FOR										
3	WAR-42-0.00										
4	PID 79850										
5	Minor PDP										
6									Proposal Date:	5/24/2007	
7	CONSULTANT: KZF Design, Inc.								Revised Date:	x	
8											
9	PROJECT DESCRIPTION: US 42 Widening in the City of Mason										
10											
11											
12	LEGEND: Highlighted tasks are by others or outside of this contract					Average Overhead Rate =		155.00%	(Net Fee Calc.)		
13						Overhead Percentage =		155.00%			
14						Net Fee Percentage =		12.00%			
15						Cost of Money =		0.00%			
16											
17											
18	Task Description	No.	Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost
19											
20											
21											
22	Step 5 - Develop Stage 2 Design Plans										
23											
24	Task 5.1 Stage 2 Detailed Plans										
25	5.1.1 Roadway										
26	5.1.1.1 Update Title Sheet	0	\$27.13	2	\$54	\$84	\$0	\$0	\$0	\$17	\$155
27	5.1.1.2 Update Schematic	0	\$25.25	1	\$25	\$39	\$0	\$0	\$0	\$8	\$72
28	5.1.1.3 Update Typical Sections	0	\$26.50	3	\$80	\$123	\$0	\$0	\$0	\$24	\$227
29	5.1.1.4 Update Plan and Profile	0	\$25.25	24	\$606	\$939	\$0	\$0	\$0	\$185	\$1,731
30	5.1.1.10 Update Cross Sections	0	\$27.13	18	\$434	\$673	\$0	\$0	\$0	\$133	\$1,240
31	5.1.1.11 Update Intersection Details	0	\$25.25	4	\$101	\$157	\$0	\$0	\$0	\$31	\$288
32	Subtotal 5.1.1 Roadway	0	\$28.00	50	\$1,300	\$2,015	\$0	\$0	\$0	\$398	\$3,713
33											
34	5.1.2 Drainage										
35	5.1.2.1 Update Storm Sewer Profiles	0	\$27.75	24	\$666	\$1,032	\$0	\$0	\$0	\$204	\$1,902
36	5.1.2.2 Update Culvert Details including Headwall Wingwall Sheets	0	\$26.50	24	\$636	\$988	\$0	\$0	\$0	\$195	\$1,816
37	Subtotal 5.1.2 Drainage	0	\$27.13	48	\$1,302	\$2,018	\$0	\$0	\$0	\$398	\$3,719
38											
39	5.1.3 Traffic Control										
40	5.1.3.1 Pavement Marking Plan	0	\$25.25	24	\$606	\$939	\$0	\$0	\$0	\$185	\$1,731
41	5.1.3.2 Preliminary Signing Plan	0	\$25.34	82	\$2,078	\$3,221	\$0	\$0	\$0	\$636	\$5,935
42	Subtotal 5.1.3 Traffic Control	0	\$25.32	106	\$2,684	\$4,160	\$0	\$0	\$0	\$821	\$7,686
43											
44	5.1.4 Signal Plan										
45	5.1.4.1 Signal Plan Sheets (3 Locations)	0	\$30.63	48	\$1,470	\$2,279	\$0	\$0	\$0	\$450	\$4,198
46	5.1.4.2 Interconnect Details	0	#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
47	Subtotal 5.1.4 Signal	0		48	\$1,470	\$2,279	\$0	\$0	\$0	\$450	\$4,198
48											
49	5.1.5 Maintenance of Traffic										
50	5.1.5.1 MOT Plans, Notes, Sequence of Construction	0	\$25.69	138	\$3,494	\$5,418	\$0	\$0	\$0	\$1,069	\$9,979
51	Subtotal 5.1.5 MOT	0	\$25.69	138	\$3,494	\$5,418	\$0	\$0	\$0	\$1,069	\$9,979
52											
53	5.1.6 Lighting Plan										
54	5.1.6.1 Lighting Analysis, Voltage Drop Calculations	0	\$36.00	24	\$864	\$1,339	\$0	\$0	\$0	\$264	\$2,468
55	5.1.6.2 Power/Circuit Layout & Details	0	\$36.00	24	\$864	\$1,339	\$0	\$0	\$0	\$264	\$2,468
56	5.1.6.3 Lighting Plan and Details	0	\$27.04	96	\$2,598	\$4,024	\$0	\$0	\$0	\$794	\$7,414
57	Subtotal 5.1.6 Lighting	0		144	\$4,324	\$6,702	\$0	\$0	\$0	\$1,323	\$12,349
58											
59											
60	5.1.11 Utilities										
61	5.1.11.1 Utility Coordination and Documentation	0	\$26.00	5	\$130	\$202	\$0	\$0	\$0	\$40	\$371
62	Subtotal 5.1.11 Utilities	0	\$26.00	5	\$130	\$202	\$0	\$0	\$0	\$40	\$371
63											
64											
65	Task 5.1 Stage 2 Detailed Plans	0	\$27.38	637	\$14,704	\$22,791	\$0	\$0	\$0	\$4,499	\$41,998
66	(AVG.)										
67											
68	Task 5.2 Second Constructability Review										
69	5.2.1 Constructability Review	0	\$31.75	12	\$381	\$591	\$0	\$0	\$0	\$117	\$1,088
70											
71	Task 5.2 Second Constructability Review	0	\$31.75	12	\$381	\$591	\$0	\$0	\$0	\$117	\$1,088
72	(AVG.)										
73											
74	Task 5.3 Preliminary Right-of-Way Plans										
75	5.3.1 Legend Sheet	0	\$25.25	4	\$101	\$157	\$0	\$0	\$0	\$31	\$288
76	5.3.2 Centerline Survey Plat	0	#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
77	5.3.3 Property Map	0	\$25.67	18	\$462	\$716	\$0	\$0	\$0	\$141	\$1,319
78	5.3.4 Summary of Additional Right-of-Way	0	#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
79	5.3.5 Detailed R/W Plan Sheets	0	\$25.69	138	\$3,494	\$5,418	\$0	\$0	\$0	\$1,069	\$9,979
80	5.3.6 Finalize Property Lines	0	#DIV/0!	0	\$0	\$0	\$0	\$0	\$22,750	\$0	\$22,750
81	5.3.7 Printing for Reviews	0	#DIV/0!	0	\$0	\$0	\$0	\$75		\$0	\$75
82											
83	Task 5.3 Preliminary Right-of-Way Plans	0	\$25.68	158	\$4,057	\$6,288	\$0	\$75	\$22,750	\$1,241	\$34,412
84	(AVG.)										
85											
86	Task 5.5 Update Cost Estimates										
87	5.5.1 Update Construction, Right-of-Way Acquisition and Utility Costs	0	\$35.75	12	\$429	\$665	\$0	\$0	\$0	\$131	\$1,225
88											
89	Task 5.5 Update Cost Estimates	0	\$35.75	12	\$429	\$665	\$0	\$0	\$0	\$131	\$1,225
90	(AVG.)										
91											
92	Task 5.6 Project Management for Step 5										
93	5.6.1 Documentation of Approvals and Coordination per L&D V3 1400	0	\$41.00	8	\$328	\$506	\$0	\$0	\$0	\$100	\$937
94	5.6.2 General Oversight	0	\$41.00	80	\$3,280	\$5,084	\$0	\$0	\$0	\$1,004	\$9,388
95	5.6.3 Project Meetings (1)	0	\$35.00	18	\$630	\$966	\$0	\$0	\$0	\$171	\$1,599
96	Task 5.6 Project Management for Step 5	0	\$40.08	104	\$4,168	\$6,460	\$0	\$0	\$0	\$1,276	\$11,904
97	(AVG.)										
98	Subtotal Step 5		\$28.84	823	\$23,739	\$36,795	\$0	\$75	\$22,750	\$7,264	\$90,824

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
	Task Description	No.	Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost		
100	Step 6 - Complete Right-of-Way Plan and Begin Acquisition												
101													
102	Task 6.1 Final Right-of-Way Plans												
103	6.1.1 Legal Descriptions	0	\$29.00	1	\$29	\$45	\$0	\$0	\$36,515	\$9	\$36,598		
104	6.1.2 Closure Calculations	0	\$29.00	1	\$29	\$45	\$0	\$0	\$0	\$9	\$83		
105	6.1.3 Centerline Survey Plat and R/W Staking	0	\$29.00	1	\$29	\$45	\$0	\$0	\$6,000	\$9	\$6,083		
106	6.1.4 Property Map	0	\$29.00	1	\$29	\$45	\$0	\$0	\$0	\$9	\$83		
107	6.1.5 Summary of Additional Right-of-Way	0	\$29.00	2	\$58	\$90	\$0	\$0	\$0	\$18	\$188		
108	6.1.6 Detailed R/W Plan Sheets	0	\$26.65	52	\$1,388	\$2,148	\$0	\$0	\$0	\$424	\$3,958		
109													
110	Task 6.1 Final Right-of-Way Plans	0	\$26.90	58	\$1,560	\$2,418	\$0	\$0	\$42,515	\$477	\$46,970		
111	(AVG.)												
112													
113	Task 6.2 Final Right-of-Way Tracings												
114	6.2.1 Field Review & verify property owners	0	\$29.00	1	\$29	\$45	\$0	\$0	\$0	\$9	\$83		
115	6.2.2 Final R/W Tracings	0	\$31.40	10	\$314	\$487	\$0	\$320	\$0	\$96	\$1,217		
116	6.2.3 Final Legal Descriptions and Final Closures	0	\$29.00	1	\$29	\$45	\$0	\$0	\$0	\$9	\$83		
117													
118	Task 6.2 Final Right-of-Way Tracings	0	\$31.00	12	\$372	\$577	\$0	\$320	\$0	\$114	\$1,382		
119	(AVG.)												
120	Task 6.3 Right-of-Way Acquisition												
121	6.3.1 Project Management KZF Design		\$41.00	16	\$656	\$1,017	\$0	\$0	\$0	\$201	\$1,874		
122	6.3.2 Title Research	#DIV/0!	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
123	6.3.3 Appraisal	#DIV/0!	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
124	6.3.4 Appraisal Review	#DIV/0!	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
125	6.3.5 Negotiation	#DIV/0!	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
126		#DIV/0!	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
127	Task 6.3 Right-of-Way Acquisition		\$41.00	18	\$656	\$1,017	\$0	\$0	\$0	\$201	\$1,874		
128													
129	Task 6.4 Project Management for Step 6												
130	6.4.1 General Oversight	0	\$41.00	8	\$328	\$508	\$0	\$0	\$0	\$100	\$937		
131	6.4.2 Project Meetings	0	\$41.00	4	\$164	\$254	\$0	\$0	\$0	\$50	\$488		
132													
133	Task 6.4 Project Management for Step 6	0	\$41.00	12	\$492	\$763	\$0	\$0	\$0	\$181	\$1,405		
134	(AVG.)												
135	Subtotal Step 6			98	\$3,080	\$4,774	\$0	\$320	\$42,515	\$942	\$51,631		
136													
137	Step 7 - Develop Stage 3 Design												
138													
139	Task 7.1 Stage 3 Detailed Design Plans												
140	7.1.1 Quantities and Notes												
141	7.1.1.1 Pavement Calculations	0	\$25.88	24	\$621	\$963	\$0	\$0	\$0	\$190	\$1,774		
142	7.1.1.2 Drainage Quantities	0	\$26.50	36	\$954	\$1,479	\$0	\$0	\$0	\$292	\$2,725		
143	7.1.1.3 Roadway Quantities	0	\$26.00	40	\$1,040	\$1,612	\$0	\$0	\$0	\$318	\$2,970		
144	7.1.1.4 Earthwork and seeding calculations	0	\$25.87	18	\$466	\$716	\$0	\$0	\$0	\$141	\$1,319		
145	7.1.1.5 Maintenance of Traffic Quantities	0	\$25.25	12	\$303	\$470	\$0	\$0	\$0	\$93	\$885		
146	7.1.1.6 Pavement Marking sub summaries	0	\$25.25	12	\$303	\$470	\$0	\$0	\$0	\$93	\$885		
147	7.1.1.7 Signing sub summaries	0	\$25.87	18	\$466	\$716	\$0	\$0	\$0	\$141	\$1,319		
148	7.1.1.8 Signal sub summaries	0	\$32.42	36	\$1,167	\$1,809	\$0	\$0	\$0	\$357	\$3,333		
149	7.1.1.10 Lighting sub summaries	0	\$25.87	18	\$466	\$716	\$0	\$0	\$0	\$141	\$1,319		
150	7.1.1.12 General Summary Sheet	0	\$26.00	20	\$520	\$808	\$0	\$0	\$0	\$159	\$1,485		
151	7.1.1.14 Update of General Notes	0	\$27.75	3	\$83	\$129	\$0	\$0	\$0	\$26	\$238		
152	7.1.1.15 Update of Maintenance of Traffic Notes	0	\$26.50	3	\$80	\$123	\$0	\$0	\$0	\$24	\$227		
153	7.1.1.16 Update of Traffic Control Notes	0	\$26.50	3	\$80	\$123	\$0	\$0	\$0	\$24	\$227		
154	Subtotal 7.1.1 Quantities and Notes	0	\$26.90	243	\$6,638	\$10,131	\$0	\$0	\$0	\$2,000	\$18,668		
155													
156	7.1.2 Traffic Signal Plans												
157	7.1.2.1 Wiring diagram & Pole Orientation chart	0	\$33.65	20	\$673	\$1,049	\$0	\$0	\$0	\$207	\$1,934		
158	7.1.2.2 Final Plans and Timing Chart	0	\$32.42	120	\$3,890	\$6,030	\$0	\$0	\$0	\$1,190	\$11,110		
159	Subtotal 7.1.2 Signal	0	\$32.62	140	\$4,563	\$7,079	\$0	\$0	\$0	\$1,398	\$13,043		
160													
161	7.1.3 Traffic Control Plans												
162	7.1.3.1 Update Signing & Pavement Marking Plans	0	\$25.25	72	\$1,818	\$2,818	\$0	\$0	\$0	\$556	\$5,192		
163	Subtotal 7.1.3 Traffic Control	0	\$25.25	72	\$1,818	\$2,818	\$0	\$0	\$0	\$556	\$5,192		
164													
165													
166	Task 7.1 Stage 3 Detailed Design Plans	0	\$28.40	486	\$12,921	\$20,028	\$0	\$0	\$0	\$3,994	\$36,903		
167	(AVG.)												
168													
169	Task 7.2 Update Cost Estimate												
170	7.2.1 Update Construction, Right-of-Way Acquisition and Utility Costs	0	\$30.50	3	\$92	\$142	\$0	\$0	\$0	\$28	\$261		
171	7.2.2 Printing, Postage							\$675			\$675		
172	Task 7.2 Update Cost Estimate	0	\$30.60	3	\$92	\$142	\$0	\$675	\$0	\$28	\$938		
173	(AVG.)												
174													
175	Task 7.3 Project Management Step 7												
176	7.3.1 General Oversight	0	\$41.00	8	\$328	\$508	\$0	\$0	\$0	\$100	\$937		
177	7.3.2 Project Meetings (1)	0	\$35.00	18	\$630	\$988	\$0	\$0	\$0	\$171	\$1,589		
178	Task 7.3 Project Management Step 7	0	\$40.00	98	\$3,920	\$6,082	\$0	\$0	\$0	\$1,175	\$10,967		
179	(AVG.)												
180													
181	Subtotal Step 7		\$30.42	554	\$16,853	\$26,122	\$0	\$675	\$0	\$5,157	\$48,806		
182	(AVG.)												
183													
184	Step 8 Prepare Final Plan Package												
185													
186	Task 8.1 Final Plan Package												
187	8.1.1 Submission of Final Tracings & document, per L&D V3 Section 1500	0	\$31.75	24	\$762	\$1,181	\$0	\$2,250	\$0	\$233	\$4,428		
188													
189	Task 8.1 Final Plan Package	0	\$31.75	24	\$762	\$1,181	\$0	\$2,250	\$0	\$233	\$4,428		
190	(AVG.)												
191													
192	Task 8.2 Update Cost Estimate												
193	8.2.1 CDDT Cost Estimator	0	\$29.00	1	\$29	\$45	\$0	\$0	\$0	\$9	\$83		
194													
195	Task 8.2 Update Cost Estimate	0	\$26.00	1	\$26	\$45	\$0	\$0	\$0	\$9	\$83		
196													
197													
198	Task 8.3 Project Management Step 8												
199	8.3.1 General Oversight	0	\$41.00	8	\$328	\$508	\$0	\$0	\$0	\$100	\$937		
200													
201	Task 8.3 Project Management Step 8	0	\$41.00	8	\$328	\$508	\$0	\$0	\$0	\$100	\$937		
202													
203	Subtotal Step 8	0	\$33.81	33	\$1,119	\$1,734	\$0	\$2,250	\$0	\$342	\$5,446		
204													

	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
	Task Description	No.	Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost		
205	Step 9 - Award Contract												
206													
207													
208	Task 9.1 Pre-Bid Questions												
209	9.1.1 Attend and respond to Pre-Bid questions	0	\$35.00	16	\$560	\$868	\$0	\$0	\$0	\$171	\$1,599		
210													
211	Task 9.1 Pre-Bid Questions	0	\$35.00	16	\$560	\$868	\$0	\$0	\$0	\$171	\$1,599		
212													
213	Subtotal Step 9	0	\$35.00	16	\$560	\$868	\$0	\$0	\$0	\$171	\$1,599		
214													
215	Step 10 - Construct Project												
216													
217	SUBTOTAL PART 2		\$29.76	1,524	\$45,351	\$70,294	\$0	\$3,320	\$65,265	\$13,877	\$198,107		
218													
219													
220	Right-of-Way Acquisition												
221													
222	Project Management								\$31,600				
223	Title Research								\$39,500				
224	Negotiations								\$79,000				
225	Closing								\$36,500				
226	Mileage								\$8,100				
227	Contingency 10%								\$32,270				
228													
229	Subtotal R/W Acquisition								\$354,970				
230													
231													
232	GRANDTOTAL PART 2		\$29.76	1,524	\$45,351	\$70,294	\$0	\$3,320	\$420,235	\$13,877	\$553,077		
233													
234													
235													
236													

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	A	B	H	I	J	K	L	M	N	O
17			Proj Mgr/ Proj Exec	Sr. Engr	Proj Eng/ Survey Mgr	R/W Spec/ Env Spec	Technician	Clerical	Total Hours	Labor Costs
18	Task Description									
99										
100	Step 6 - Complete Right-of-Way Plan and Begin Acquisition									
101										
102	Task 6.1 Final Right-of-Way Plans									
103	6.1.1 Legal Descriptions		0	0	1	0	0	0	1	\$29
104	6.1.2 Closure Calculations		0	0	1	0	0	0	1	\$29
105	6.1.3 Centerline Survey Plat and R/W Staking		0	0	1	0	0	0	1	\$29
106	6.1.4 Property Map		0	0	1	0	0	0	1	\$29
107	6.1.5 Summary of Additional Right-of-Way		0	0	2	0	0	0	2	\$58
108	6.1.6 Detailed R/W Plan Sheets		0	4	8	0	40	0	52	\$1,386
109										
110	Task 6.1 Final Right-of-Way Plans		0	4	14	0	40	0	58	\$1,560
111										
112										
113	Task 6.2 Final Right-of-Way Tracings									
114	6.2.1 Field Review & verify property owners		0	0	1	0	0	0	1	\$29
115	6.2.2 Final R/W Tracings		2	0	8	0	0	0	10	\$314
116	6.2.3 Final Legal Descriptions and Final Closures		0	0	1	0	0	0	1	\$29
117										
118	Task 6.2 Final Right-of-Way Tracings		2	0	10	0	0	0	12	\$372
119										
120	Task 6.3 Right-of-Way Acquisition									
121	6.3.1 Project Management KZF Design		16						16	\$656
122	6.3.2 Title Research								0	\$0
123	6.3.3 Appraisal								0	\$0
124	6.3.4 Appraisal Review								0	\$0
125	6.3.5 Negotiation								0	\$0
126										
127	Task 6.3 Right-of-Way Acquisition		16	0	0	0	0	0	16	\$656
128										
129	Task 6.4 Project Management for Step 6									
130	6.4.1 General Oversight		8	0	0	0	0	0	8	\$328
131	6.4.2 Project Meetings		4	0	0	0	0	0	4	\$164
132										
133	Task 6.4 Project Management for Step 6		12	0	0	0	0	0	12	\$492
134										
135	Subtotal Step 6		30	4	24	0	40	0	98	\$3,080
136										
137	Step 7 - Develop Stage 3 Design									
138										
139	Task 7.1 Stage 3 Detailed Design Plans									
140	7.1.1 Quantities and Notes									
141	7.1.1.1 Pavement Calculations		0	0	4	0	20	0	24	\$821
142	7.1.1.2 Drainage Quantities		0	0	12	0	24	0	36	\$954
143	7.1.1.3 Roadway Quantities		0	0	8	0	32	0	40	\$1,040
144	7.1.1.4 Earthwork and seeding calculations		0	0	2	0	16	0	18	\$482
145	7.1.1.5 Maintenance of Traffic Quantities		0	0	0	0	12	0	12	\$303
146	7.1.1.6 Pavement Marking sub summaries		0	0	0	0	12	0	12	\$303
147	7.1.1.7 Signing sub summaries		0	0	2	0	16	0	18	\$482
148	7.1.1.8 Signal sub summaries		0	24	0	0	12	0	36	\$1,167
149	7.1.1.10 Lighting sub summaries		0	0	2	0	16	0	18	\$482
150	7.1.1.12 General Summary Sheet		0	0	4	0	16	0	20	\$520
151	7.1.1.14 Update of General Notes		0	0	2	0	1	0	3	\$83
152	7.1.1.15 Update of Maintenance of Traffic Notes		0	0	1	0	2	0	3	\$80
153	7.1.1.16 Update of Traffic Control Notes		0	0	1	0	2	0	3	\$80
154	Subtotal 7.1.1 Quantities and Notes		0	24	38	0	161	0	243	\$6,536
155										
156	7.1.2 Traffic Signal Plans									
157	7.1.2.1 Wiring diagram & Pole Orientation chart		0	16	0	0	4	0	20	\$677
158	7.1.2.2 Final Plans and Timing Chart		0	80	0	0	40	0	120	\$3,890
159	Subtotal 7.1.2 Signal		0	96	0	0	44	0	140	\$4,567
160										
161	7.1.3 Traffic Control Plans									
162	7.1.3.1 Update Signing & Pavement Marking Plans		0	0	0	0	72	0	72	\$1,818
163	Subtotal 7.1.3 Traffic Control		0	0	0	0	72	0	72	\$1,818
164										
165										
166	Task 7.1 Stage 3 Detailed Design Plans		0	120	38	0	297	0	455	\$12,921
167										
168										
169	Task 7.2 Update Cost Estimate									
170	7.2.1 Update Construction, Right-of-Way Acquisition and Utility Costs		1	0	0	0	2	0	3	\$92
171										
172	Task 7.2 Update Cost Estimate		1	0	0	0	2	0	3	\$92
173										
174										
175	Task 7.3 Project Management Step 7									
176	7.3.1 General Oversight		80	0	0	0	0	0	80	\$3,280
177	7.3.2 Project Meetings (1)		8	0	8	0	0	0	16	\$560
178	Task 7.3 Project Management Step 7		88	0	8	0	0	0	96	\$3,840
179										
180										
181	Subtotal Step 7		89	120	46	0	299	0	554	\$16,853
182										
183										
184	Step 8 Prepare Final Plan Package									
185										
186	Task 8.1 Final Plan Package									
187	8.1.1 Submission of Final Tracings & document, per L&D V3 Section 1500		8	0	8	0	8	0	24	\$782
188										
189	Task 8.1 Final Plan Package		8	0	8	0	8	0	24	\$782
190										
191										
192	Task 8.2 Update Cost Estimate									
193	8.2.1 ODOT Cost Estimator		0	0	1	0	0	0	1	\$29
194										
195	Task 8.2 Update Cost Estimate		0	0	1	0	0	0	1	\$29
196										
197										
198	Task 8.3 Project Management Step 8									
199	8.3.1 General Oversight		8	0	0	0	0	0	8	\$328
200										
201	Task 8.3 Project Management Step 8		8	0	0	0	0	0	8	\$328
202										
203	Subtotal Step 8		16	0	9	0	8	0	33	\$1,119
204										

	A	B	H	I	J	K	L	M	N	O
17			Proj Mgr/		Proj Eng/	R/W Spec/			Total	Labor
18	Task Description		Proj Exec	Sr. Engr	Survey Mgr	Env Spec	Technician	Clerical	Hours	Costs
205	Step 9 - Award Contract									
206										
207										
208	Task 9.1 Pre-Bid Questions									
209	9.1.1 Attend and respond to Pre-Bid questions		8	0	8	0	0	0	18	\$560
210										
211	Task 9.1 Pre-Bid Questions		8	0	8	0	0	0	18	\$560
212										
213	Subtotal Step 9		8	0	8	0	0	0	18	\$560
214										
215	Step 10 - Construct Project									
216										
217	SUBTOTAL PART 2		251	212	170	0	891	0	1524	\$45,351
218										
219										
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