

# **FEE SUMMARY**

## **FM 2551 - FEE SUMMARY**

**I. BASIC ENGINEERING SERVICES** **\$119,735.63**

## **II. SUMMARY OF COST FOR BASIC ENGINEERING SERVICES**

### **Direct Salary Cost (See attached summaries)**

Project Manager	38	Hrs. @	\$ 57.10 =	\$2,169.80
Senior Design Engineer	324	Hrs. @	\$ 41.00 =	\$13,284.00
Design Engineer	316	Hrs. @	\$ 35.00 =	\$11,060.00
EIT	436	Hrs. @	\$ 27.50 =	\$11,990.00
Clerical	4	Hrs. @	\$ 14.60 =	\$58.40

<b>Total Direct Salary</b>	<b>\$38,562.20</b>
<b>Salary Related Costs (170%)</b>	<b>\$65,555.74</b>
<b>Total Labor Costs</b>	<b>\$104,117.94</b>

**Fixed Fee (15% Profit)** **\$15,617.69**

**Subtotal (Total Fee for CP&Y)** **\$119,735.63**

**TOTAL LUMP SUM FEE**  
**FOR BASIC ENGINEERING SERVICES** **\$119,735.63**

**FM2551 - MANHOUR ESTIMATE FOR BASIC ENGINEERING SERVICES**

Task	No. of Sheets	Project Manager	Senior Design Engineer	Design Engineer	EIT	Clerical	Total Hours	Hrs. per Sheet	Direct Labor	Overhead Cost
		\$ 57.10	\$ 41.00	\$ 35.00	\$ 27.50	\$ 14.60				
<i>I. Roadway Plans</i>										
Roadway Design Elements										
A. Typical Sections	3	1	1	2	12		16	5	\$498.10	\$846.77
B. Cross streets		1	1	2	16		20		\$608.10	\$1,033.77
C. Misc revisions (median/left turn lane, driveways, sidewalks, ramps, etc.)		2	4	24	40		70		\$2,218.20	\$3,770.94
<b>Subtotals</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>28</b>	<b>68</b>		<b>106</b>		<b>3324.4</b>	<b>5651.48</b>
<i>II. Drainage Plans</i>										
A. Computation Sheets	8	2	4	16	8		30	4	\$1,058.20	\$1,798.94
B. Re-design of Storm Sewer	24	4	40	120	80		244	10	\$8,268.40	\$14,056.28
<b>Subtotals</b>	<b>32</b>	<b>6</b>	<b>44</b>	<b>136</b>	<b>88</b>		<b>274</b>		<b>\$9,326.60</b>	<b>\$15,855.22</b>
<i>III. Traffic Control Plans</i>										
A. Traffic Control Plan and Sequence of Construction Plan	5	2	4	16	16		38	8	\$1,278.20	\$2,172.94
B. Revise Typical Sections for Sequence of Work	10	2	4	8	24		38	4	\$1,218.20	\$2,070.94
<b>Subtotals</b>	<b>15</b>	<b>4</b>	<b>8</b>	<b>24</b>	<b>40</b>		<b>76</b>		<b>\$2,496.40</b>	<b>\$4,243.88</b>
<i>IV. Signalization (three permanent and two temporary signals)</i>										
A. Prepare Traffic Signal Layouts (1" = 40')	6	2	48		24		74	12	\$2,742.20	\$4,661.74
B. Prepare Wiring/Conduit Layouts (1" = 40')	3	2	32		24		58	19	\$2,086.20	\$3,546.54
C. Prepare Signal Elevation Layouts	3	2	24		24		50	17	\$1,758.20	\$2,988.94
D. Prepare Traffic Signal Pole Foundation and Traffic Signal Support Structures Standards	9	2	24		32		58	6	\$1,978.20	\$3,362.94
E. Develop Traffic Signal quantities and prepare Summary of Quantity sheets	3	2	8		24		34	11	\$1,102.20	\$1,873.74
F. Develop Temporary Traffic Signal Layouts (Scale TBD)	4	2	48		24		74	19	\$2,742.20	\$4,661.74
G. Project Coordination		2	24				26		\$1,098.20	\$1,866.94
<b>Subtotals</b>	<b>7</b>	<b>14</b>	<b>208</b>		<b>152</b>		<b>381</b>		<b>13507.4</b>	<b>22962.58</b>
<i>V. H&amp;H Re-study - Maxwell Creek Bridge</i>										
A. Hydrological/Hydraulic Re-study and updating report		4	40	80	80	4	208		\$6,926.80	\$11,775.56
<b>Subtotals</b>		<b>4</b>	<b>40</b>	<b>80</b>	<b>80</b>	<b>4</b>	<b>208</b>		<b>\$6,926.80</b>	<b>\$11,775.56</b>
<i>VI. Quantities, Summaries and Cost Estimate</i>										
A. Revised Quantities & Cost Estimate		2	2	8	8		20		\$696.20	\$1,183.54
<b>Subtotals</b>		<b>2</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>20</b>		<b>\$696.20</b>	<b>\$1,183.54</b>
<b>Total Manhour Estimate for Basic Services</b>	<b>57</b>	<b>38</b>	<b>324</b>	<b>316</b>	<b>436</b>	<b>4</b>	<b>1125</b>		<b>38562.2</b>	<b>65555.74</b>