

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF ENGINEERING FEES SUMMARY**

DESIGN PROFESSIONAL - FLEIS & VANDENBRINK ENGINEERING and FISHBECK, THOMPSON, CARR, & HUBER combined

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP

DATE: July 5, 2013

Task Description	Basic Services Hours	Basic Services Labor	Administration and Expenses	Subconsultants	Allowances	Total	% of Total
<b>Preliminary Design Phase</b>	4480	\$ 585,562	\$ 29,278	\$ -	\$ 152,250	\$ 767,090	50%
<b>Final Design Phase</b>	5399	\$ 666,529	\$ 33,326	\$ -	\$ -	\$ 699,856	46%
<b>Bidding Phase</b>	389	\$ 58,352	\$ 2,918	\$ -	\$ -	\$ 61,270	4%
<b>TOTALS</b>	<b>10268</b>	<b>\$ 1,310,443</b>	<b>\$ 65,522</b>	<b>\$ -</b>	<b>\$ 152,250</b>	<b>\$ 1,528,216</b>	<b>100%</b>

**Project Schedule Basis of Estimate**

Task Description	Duration (Weeks)	Start Date	Completion Date
<b>Preliminary Design Phase</b>			
Site Data Review and Investigations	5	6/24/2013	7/26/2013
Supplemental Survey	5	7/26/2013	8/30/2013
Geotechnical Investigations	7	7/15/2013	8/30/2013
30% Design Documents	9	8/11/2013	10/11/2013
<b>Final Design Phase</b>			
60% Design Documents	9	10/15/2013	12/20/2013
90% Design Documents	8	12/23/2013	2/14/2014
100% Design Documents	5	2/17/2014	3/21/2014
<b>Bidding Phase</b>	12	3/27/2014	6/19/2014

Administration & Expenses will include the attached Fleis & VandenBrink Engineering, Inc EQUIPMENT CHARGE RATES dated 01/01/12

Administration & Expenses will include the attached Fishbeck, Thompson, Carr & Huber, Inc. Equipment and Expenses Rates dated July 01, 2013

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF ENGINEERING FEES SUMMARY**

DESIGN PROFESSIONAL - FLEIS & VANDENBRINK ENGINEERING

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP

DATE: July 5, 2013

Task Description	Basic Services Hours	Basic Services Labor	Administration and Expenses	Subconsultants	Allowances	Total	% of Total
Preliminary Design Phase	3043	\$ 404,253	\$ 20,213	\$ -	\$ 152,250	\$ 576,716	54%
Final Design Phase	3364	\$ 432,504	\$ 21,625	\$ -	\$ -	\$ 454,129	42%
Bidding Phase	222	\$ 36,126	\$ 1,806	\$ -	\$ -	\$ 37,932	4%
<b>TOTALS</b>	<b>6629</b>	<b>\$ 872,883</b>	<b>\$ 43,644</b>	<b>\$ -</b>	<b>\$ 152,250</b>	<b>\$ 1,068,777</b>	<b>100%</b>

**Project Schedule Basis of Estimate**

Task Description	Duration (Weeks)	Start Date	Completion Date
<b>Preliminary Design Phase</b>			
Site Data Review and Investigations	5	6/24/2013	7/26/2013
Supplemental Survey	5	7/26/2013	8/30/2013
Geotechnical Investigations	7	7/15/2013	8/30/2013
30% Design Documents	9	8/11/2013	10/11/2013
<b>Final Design Phase</b>			
60% Design Documents	9	10/15/2013	12/20/2013
90% Design Documents	8	12/23/2013	2/14/2014
100% Design Documents	5	2/17/2014	3/21/2014
<b>Bidding Phase</b>	12	3/27/2014	6/19/2014

Administration & Expenses will include the attached Fleis & VandenBrink Engineering, Inc EQUIPMENT CHARGE RATES dated 01/01/12

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF PRELIMINARY DESIGN PHASE ENGINEERING FEES**

DESIGN PROFESSIONAL - FLEIS & VANDENBRINK ENGINEERING

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP

DATE: July 3, 2013

RESPONSIBILITY	Principal in Charge	Project Manager	Professional Engineer	Design Engineer	Design Engineer	Design Engineer	Design Engineer	Tech	Tech	Tech	Crew Chief	Rodman	Survey Mgr	TOTAL HOURS	TOTAL COST
CLASSIFICATION	Principal	Senior Prof	PE II	E III	E II	E I	E I	Tech IV	Tech III	Tech I	PS	Tech III	PS II		
BASE LABOR RATE	\$106.00	\$57.00	\$48.00	\$45.00	\$42.00	\$38.00	\$38.00	\$35.00	\$33.00	\$25.00	\$50.00	\$25.00	\$50.00		
LABOR COST W MULTIPLIER	\$318.00	\$171.00	\$144.00	\$135.00	\$126.00	\$114.00	\$114.00	\$105.00	\$99.00	\$75.00	\$150.00	\$75.00	\$150.00		
<b>Task A Preliminary Design Phase</b>															
<b>A1 - Project Management</b>															
Meetings and Coordination	8	60			27									95	\$16,208
Administration and Reporting	8	135			34									148	\$24,954
Scheduling	4	25			12									36	\$6,204
<b>A2 - Site Investigations</b>															
Review Data Provided by PRM		22			112								22	156	\$21,174
Supplemental Survey	4	20			56			83			320	170	70	730	\$91,398
Traditional Survey		4								12	105	35	4	160	\$20,559
Geotechnical Investigations		4			8						22	28	8	70	\$8,292
Utility Investigations		59			230									250	\$33,760
Site Visit(s)	8	14			22									44	\$7,710
<b>A3 - 30% Design</b>															
Plans and Specifications	16	180		88	178	178	178	89	178	178				1262	\$150,972
QA/QC	60	5								8				84	\$17,528
Cost Estimate		10			22									32	\$4,182
Permitting		6												6	\$1,026
<b>Subtotal Preliminary Design</b>	<b>98</b>	<b>502</b>	<b>0</b>	<b>88</b>	<b>671</b>	<b>178</b>	<b>178</b>	<b>168</b>	<b>178</b>	<b>198</b>	<b>447</b>	<b>233</b>	<b>104</b>	<b>3043</b>	<b>\$404,253</b>

**Multipliers/Mark-ups**

Engineering Services	3.0%
Administration & Expenses	5.00%
Subconsultants	5.00%

**Costs Summary**

Total Base Labor	\$404,253
Administration and Expenses	\$20,213
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$152,250
<b>Total Preliminary Design Phase Costs</b>	<b>\$576,716</b>

Subconsultant "A" -

Subconsultant "B" \$0

Subconsultant "C" \$0

Subconsultant "D" \$0

Avg Hourly Rate \$ 132.85

Total Subconsultants Base Cost \$0

Allowance "A" - Geotech - PSI	\$148,050	141000	1.05
Allowance "B" - Dozer rental	\$4,200	4000	1.05
Allowance "C"	\$0		
<b>Total Allowances</b>	<b>\$152,250</b>		

**Assumptions/Comments**

DP to provide assumptions and/or comments here.

Administration & Expenses will include the attached Fleis & VandenBrink Engineering, Inc EQUIPMENT CHARGE RATES dated 01/01/12

**Genesee County Drain Commissioner - Division of Water and Waste Services**  
**ESTIMATE OF FINAL DESIGN PHASE ENGINEERING FEES**  
 DESIGN PROFESSIONAL - FLEIS & VANDENBRINK ENGINEERING  
 CONTRACT NO. S-4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP  
 DATE: July 5, 2013

RESPONSIBILITY	Principal in Charge	Project Manager	Professional Engineer	Design Engineer	Design Engineer	Design Engineer	Design Engineer	Tech	Tech	Tech	Crew Chief	Rodman	Survey Mgr	TOTAL HOURS	TOTAL COST
CLASSIFICATION	Principal	Senior Prof	PE II	E III	E II	E I	E I	Tech IV	Tech III	Tech I	PS	Tech III	PB II		
BASE LABOR RATE	\$106.00	\$57.00	\$48.00	\$45.00	\$42.00	\$38.00	\$38.00	\$35.00	\$33.00	\$25.00	\$50.00	\$25.00	\$50.00		
LABOR COST W MULTIPLIER	\$316.00	\$171.00	\$144.00	\$135.00	\$126.00	\$114.00	\$114.00	\$105.00	\$99.00	\$75.00	\$150.00	\$75.00	\$150.00		

Task B Final Design Phase															
B1 - Project Management															
Meetings and Coordination	4	78			40									130	\$19,306
Administration and Reporting	4	256			78									283	\$48,576
Scheduling		63			12									68	\$11,088
B2 - 60% Design															
Plans and Specifications		80		80	178	176	178	88	176	178				1158	\$130,724
QA/QC	60	6												48	\$13,740
Cost Estimate		6												6	\$1,026
Permitting		6												6	\$1,026
B3 - 90% Design															
Plans and Specifications		80		80	178	176	178	88	178	176				1158	\$130,734
QA/QC	40	6												48	\$13,746
Cost Estimate		6												6	\$1,026
Permitting		6												6	\$1,026
B4 - 100% Design															
Plans and Specifications		30		30	63	50	50	30	60	60				290	\$44,010
QA/QC	10	6								6				54	\$14,246
Cost Estimate		6												6	\$1,026
Permitting		6												6	\$1,026
<b>Subtotal Final Design</b>	<b>128</b>	<b>652</b>	<b>0</b>	<b>210</b>	<b>496</b>	<b>416</b>	<b>416</b>	<b>206</b>	<b>416</b>	<b>424</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3364</b>	<b>\$432,604</b>

Multipliers/Mark-ups	
Engineering Services	3.0%
Administration & Expenses	5.00%
Subconsultants	5.00%

Subconsultant "A"	\$0
Subconsultant "B"	\$0
Subconsultant "C"	\$0
Subconsultant "D"	\$0

Total Subconsultants Base Cost \$0

Allowance "A" - Permit Fees	
Allowance "B"	\$0
Allowance "C"	\$0
<b>Total Allowances</b>	<b>\$0</b>

Costs Summary	
Total Base Labor	\$432,504
Administration and Expenses	\$21,625
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$0
<b>Total Final Design Phase Costs</b>	<b>\$454,129</b>

Avg Hourly Rate \$ 128.67

Assumptions/Comments  
 DP to provide assumptions and/or comments here.  
 Administration & Expenses will include the attached Fleis & VandenBrink Engineering, Inc EQUIPMENT CHARGE RATES dated 01/01/12

Genesee County Drain Commissioner - Division of Water and Waste Services

**ESTIMATE OF BIDDING PHASE ENGINEERING FEES**

DESIGN PROFESSIONAL - FLEIS & VANDENBRINK ENGINEERING

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flat WTP

DATE: July 5, 2013

RESPONSIBILITY	Principal in Charge	Project Manager	Professional Engineer	Design Engineer	Design Engineer	Design Engineer	Design Engineer	Tech	Tech	Tech	Crew Chief	Rodman	Survey Mgr	TOTAL HOURS	TOTAL COST
CLASSIFICATION	Principal	Senior Prof	PE II	E III	E II	E I	E I	Tech IV	Tech III	Tech I	PS	Tech III	PS II		
BASE LABOR RATE	\$108.00	\$57.00	\$48.00	\$45.00	\$42.00	\$38.00	\$38.00	\$35.00	\$33.00	\$25.00	\$50.00	\$25.00	\$50.00		
LABOR COST W MULTIPLIER	\$318.00	\$171.00	\$144.00	\$135.00	\$126.00	\$114.00	\$114.00	\$105.00	\$99.00	\$75.00	\$150.00	\$75.00	\$150.00		

Task C Bidding Design Phase															
C1 - Project Management															
Meetings and Coordination	6	16			25									50	\$8,172
Administration and Reporting		32			16									48	\$7,488
Scheduling		5												5	\$1,950
C2 - Bid Phase Assistance															
Bid Questions and Addenda	6	50			26									84	\$13,986
Bid Review and Recommendations		24			6									32	\$5,112
<b>Subtotal Final Design</b>	<b>12</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>222</b>	<b>\$36,126</b>

Multipliers/Mark-ups	
Engineering Services	3.0
Administration & Expenses	5.00%
Subconsultants	5.00%
Subconsultant "A"	\$0
Subconsultant "B"	\$0
Subconsultant "C"	\$0
Subconsultant "D"	\$0
<b>Total Subconsultants Base Cost</b>	<b>\$0</b>
Allowance "A"	\$0
Allowance "B"	\$0
Allowance "C"	\$0
<b>Total Allowances</b>	<b>\$0</b>

Costs Summary	
Total Base Labor	\$36,126
Administration and Expenses	\$1,806
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$0
<b>Total Bidding Phase Costs</b>	<b>\$37,932</b>
Avg Hourly Rate	\$ 162.73

Assumptions/Comments

DP to provide assumptions and/or comments here.

Administration & Expenses will include the attached Fleis & VandenBrink Engineering, Inc EQUIPMENT CHARGE RATES dated 01/01/12

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF ENGINEERING FEES SUMMARY Fishbeck**

FISHBECK, THOMPSON, CARR, & HUBER

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP

DATE: July 5, 2013

Task Description	Basic Services Hours	Basic Services Labor	Administration and Expenses	Subconsultants	Allowances	Total	% of Total
Preliminary Design Phase	1,437	\$ 181,309	\$ 9,065	\$ -	\$ -	\$ 190,374	41%
Final Design Phase	2,035	\$ 234,025	\$ 11,701	\$ -	\$ -	\$ 245,727	53%
Bidding Phase	167	\$ 22,226	\$ 1,111	\$ -	\$ -	\$ 23,338	5%
<b>TOTALS</b>	<b>3,639</b>	<b>\$ 437,560</b>	<b>\$ 21,878</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 459,438</b>	<b>100%</b>

Project Schedule Basis of Estimate

Task Description	Duration (Weeks)	Start Date	Completion Date
<b>Preliminary Design Phase</b>			
Site Data Review and Investigations	5	6/24/2013	7/26/2013
Supplemental Survey	6	7/1/2013	8/9/2013
Geotechnical Investigations	9	7/1/2013	8/30/2013
30% Design Documents	6	8/5/2013	9/16/2013
<b>Final Design Phase</b>			
60% Design Documents	13	9/17/2013	12/20/2013
90% Design Documents	5	1/2/2014	2/3/2014
100% Design Documents	9	2/4/2014	4/8/2014
<b>Bidding Phase</b>	<b>7</b>	<b>4/9/2014</b>	<b>5/30/2014</b>

Administration & Expenses will include the attached Fishbeck, Thompson, Carr & Huber, Inc. Equipment and Expenses Rates dated July 01, 2013

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF PRELIMINARY DESIGN PHASE ENGINEERING FEES**

FISHBECH, THOMPSON, CARR & HUBER

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd. to Flint WTP

DATE: July 5, 2013

RESPONSIBILITY	Sr. Eng QA/QC	Sr. Eng Manager	Project Engineer	Sr. Env Scientist	Engineer	Estimator	CADD Tech	Env. Tech	2 Person Survey Crow	Sr. Surveyor	Survey Mgr	TOTAL	TOTAL		
CLASSIFICATION	Senior Civil Eng	Senior Civil Eng	Civil Eng	Senior Env Scientist	Civil Eng	Estimator	Tech	Tech	Tech	Senior Survey Specialist	Surveying Manager	HOURS	COST		
BASE LABOR RATE	\$50.50	\$52.52	\$37.95	\$33.50	\$24.00	\$41.50	\$26.67	\$24.50	\$65.67	\$36.16	\$56.70				
LABOR COST W MULTIPLIER	\$151.50	\$157.56	\$113.85	\$100.50	\$72.00	\$124.50	\$80.01	\$73.50	\$197.01	\$108.48	\$170.10				
<b>Task A Preliminary Design Phase</b>															
<b>A1 - Project Management</b>															
Meetings and Coordination		52	14									66	\$9,787		
Administration and Reporting		72	20									92	\$13,621		
Scheduling		30	8									38	\$5,638		
<b>A2 - Site Investigations</b>															
Review Data Provided by PRM		8	36	24						8		76	\$6,639		
Supplemental Survey		6	12				36		110	60	13	237	\$35,583		
Traditional Topographic Survey		4					24		40	8	6	82	\$12,319		
Geotechnical Investigations		8	16				6		32			62	\$9,866		
Utility Investigations		10	32		60		20		30	16		168	\$18,785		
Site Visit(s)		8	16		16							40	\$4,234		
<b>A3 - 30% Design</b>															
Plans and Specifications		40	102				170					312	\$31,517		
QA/QC	40	8										48	\$7,320		
Cost Estimate	8	10	40			72	32					162	\$18,866		
Permitting			24				30					54	\$5,133		
<b>Subtotal Preliminary Design</b>	<b>48</b>	<b>256</b>	<b>0</b>	<b>320</b>	<b>24</b>	<b>76</b>	<b>72</b>	<b>318</b>	<b>0</b>	<b>0</b>	<b>212</b>	<b>92</b>	<b>19</b>	<b>1437</b>	<b>\$181,309</b>

**Multipliers/Mark-ups**

Engineering Services	3
Administration & Expenses	5.00%
Subconsultants	5.00%

**Costs Summary**

Total Base Labor	\$181,309
Administration and Expenses	\$9,065
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$0
<b>Total Preliminary Design Phase Costs</b>	<b>\$190,374</b>

Subconsultant "A"	
Subconsultant "B"	
Subconsultant "C"	
Subconsultant "D"	
<b>Total Subconsultants Base Cost</b>	<b>\$0</b>

Avg Hourly Rate \$ 126.17

Allowance "A"	
Allowance "B"	
Allowance "C"	
<b>Total Allowances</b>	<b>\$0</b>

**Assumptions/Comments**

FTC&H will prepare plans for approximately 17,000 ft of water main  
 FTC&H will not attend all the meetings with the PM - We have assumed that we would attend approximately 40% of the meetings  
 Based on Addendum No. 1, FTC&H will prepare permit applications for Road Commission Permits and Utility Negotiations on 17,000 ft of WM  
 Based on Addendum No. 1, FTC&H will prepare sketches and review permit applications for Environmental Permits for 17,000 ft of WM  
 We have not included hours for preparing temporary or permanent easement documents  
 Aerial mapping of the water main route will be provided by the Owner  
 The cost for a subconsultant to perform a Geotechnical Investigation will be included in F&V fee table

Administration & Expenses will include the attached Fishbeck, Thompson, Carr & Huber, Inc. Equipment and Expenses Rates dated July 01, 2013

**Genesee County Drain Commissioner - Division of Water and Waste Services  
ESTIMATE OF FINAL DESIGN PHASE ENGINEERING FEES**

FISHBECK, THOMPSON, CARR & HUBER

CONTRACT NO. S 4007 - Raw Water Transmission Main from Stealey Rd at German Rd to Flint WTP

DATE July 5, 2013

RESPONSIBILITY	Sr. Eng QA/QC	Sr. Eng Manager	Project Engineer	Sr. Env Scientist	Engineer	Estimator	CADD Tech	Env. Tech	2 Person Survey Crew	Sr. Surveyor	Surveying Manager	TOTAL	TOTAL
CLASSIFICATION	Senior Civl Eng	Senior Civl Eng	Civl Eng	Senior Env Scientist	Civl Eng	Estimator	Tech	Tech	Tech	Senior Survey Specialist	Surveying Manager	HOURS	COST
BASE LABOR RATE	\$50.00	\$52.52	\$37.95	\$33.50	\$24.00	\$41.50	\$26.67	\$24.50	\$65.67	\$35.16	\$56.70		
LABOR COST W MULTIPLIER	\$151.60	\$157.66	\$113.85	\$100.50	\$72.00	\$124.50	\$60.01	\$73.50	\$197.01	\$108.48	\$170.10		
<b>Task B Final Design Phase</b>													
<b>B1 - Project Management</b>													
Meetings and Coordination		118		28								144	\$21,465
Administration and Reporting		120		32								152	\$22,650
Scheduling		36		10								46	\$6,811
<b>B2 - 60% Design</b>													
Plans and Specifications		42		124		63			148			372	\$56,738
QA/QC	50	8										58	\$8,833
Cost Estimate	8	8		32								134	\$19,468
Permitting				36								72	\$10,879
<b>B3 - 90% Design</b>													
Plans and Specifications		42		118		80			198			382	\$57,586
QA/QC	72	16										88	\$13,429
Cost Estimate	8	8		32					50			134	\$19,468
Permitting				36								72	\$10,879
<b>B4 - 100% Design</b>													
Plans and Specifications		21		104					81			209	\$31,870
QA/QC	30	8										38	\$5,805
Cost Estimate	6	8		18					30			90	\$13,725
Permitting				20								40	\$6,077
<b>Subtotal Final Design</b>	<b>174</b>	<b>433</b>	<b>0</b>	<b>688</b>	<b>0</b>	<b>120</b>	<b>142</b>	<b>580</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2035</b>	<b>\$234,025</b>

**Multpliers/Mark-ups**

Engineering Services	3
Administration & Expenses	5.00%
Subconsultants	5.00%

**Costs Summary**

Total Base Labor	\$234,025
Administration and Expenses	\$11,701
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$0
<b>Total Final Design Phase Costs</b>	<b>\$245,727</b>

Subconsultant "A"  
 Subconsultant "B"  
 Subconsultant "C"  
 Subconsultant "D"  
 Total Subconsultants Base Cost \$0

Avg Hourly Rate \$ 115.00

Allowance "A" - Permil Fees  
 Allowance "B"  
 Allowance "C"  
 Total Allowances \$0

**Assumptions/Comments**  
 Administration & Expenses will include the attached Fishbeck, Thompson, Carr & Huber, Inc. Equipment and Expenses Rates dated July 01, 2013



**Genesee County Drain Commissioner - Division of Water and Waste Services**  
**ESTIMATE OF BIDDING PHASE ENGINEERING FEES**

FISHBECK, THOMPSON, CARR, & HUBER

CONTRACT NO. S.4007 - Raw Water Transmission Main from Stanley Rd at German Rd to Flint WTP

DATE: July 5, 2013

RESPONSIBILITY	Sr. Eng QA/QC	Sr. Eng Manager	Project Engineer	Sr. Env Scientist	Engineer	Estimator	CADD Tech	Env. Tech	2 Person Survey Crew	Sr. Surveyor	Survey Mgr	TOTAL HOURS	TOTAL COST
CLASSIFICATION	Senior Civil Eng	Senior Civil Eng	Civil Eng	Senior Env Scientist	Civil Eng	Estimator	Tech	Tech	Tech	Senior Survey Specialist	Surveying Manager		
BASE LABOR RATE	\$50.50	\$52.52	\$37.05	\$33.50	\$24.00	\$41.50	\$26.67	\$24.50	\$65.67	\$36.16	\$56.70		
LABOR COST W MULTIPLIER	\$151.50	\$157.56	\$113.85	\$100.50	\$72.00	\$124.50	\$80.01	\$73.50	\$197.01	\$108.48	\$170.10		

Task C Bidding Design Phase														
C1 - Project Management														
Meetings and Coordination		23		6									29	\$4,307
Administration and Reporting		28		5									26	\$3,834
Scheduling		4		2									6	\$858
C2 - Bid Phase Assistance														
Bid Questions and Addenda		32		32			20						84	\$10,285
Bid Review and Recommendations		10		12									22	\$2,942
<b>Subtotal Final Design</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>167</b>	<b>\$22,226</b>

**Multipliers/Mark-ups**

Engineering Services	3
Administration & Expenses	5.00%
Subconsultants	5.00%

**Costs Summary**

Total Base Labor	\$22,226
Administration and Expenses	\$1,111
Total Subconsultants Costs with Markup	\$0
Total Allowances	\$0
<b>Total Bidding Phase Costs</b>	<b>\$23,338</b>

Subconsultant "A"	
Subconsultant "B"	
Subconsultant "C"	
Subconsultant "D"	
<b>Total Subconsultants Base Cost</b>	<b>\$0</b>

Avg Hourly Rate \$ 133.09

Allowance "A"	
Allowance "B"	
Allowance "C"	
<b>Total Allowances</b>	<b>\$0</b>

**Assumptions/Comments**

Administration & Expenses will include the attached Fishbeck, Thompson, Carr & Huber, Inc. Equipment and Expenses Rates dated July 01, 2013