

**EXHIBIT B-1
 CITY OF ANN ARBOR
 RFP #21-17
 WWTP ACCESS BRIDGE REPLACEMENT PROJECT
 NTH CONSULTANTS, LTD.**

Figure A-Summary of Staff Hour Distribution City of Ann Arbor WWTP Access Bridge Replacement Project

Staff Name							
NTH Consultants, Inc.	Task 1-Conceptual Eng.	Task 2-Preliminary Eng.	Task 3-Final Eng.	Project/Public Mtgs.			
1							
2	Keith Swaffar	10	4	5		8	
3	Philip Rasor, Jr.	40	40	40		40	
4	Charles Roarty	18	4	4		8	
5	Brett Schwenke	8	24	8		8	
6	Tyler Dawson	24	16	8		8	
7	William Lansing	96	80	80		8	
8	Samantha Grant	24	40	40		8	
9	Brock Bosack	16	64	24		8	
10	Tech Support	184	180	178		24	
11	Geotech Support	32	0	0		0	
12							
13							
14							
15							
16							
17							
	Total	452	452	387		120	
Note: ALL TIMES SHALL BE GIVEN IN STAFF-HOURS							

FEE SCHEDULE

Task 2 Preparation of Preliminary Plans (70% Design) for City of Ann Arbor WWTP Access Bridge Replacement Project

Staff Name	Role in Study	Total Hours	Hourly Rate	Direct Labor Cost	OH Rate*	OH Cost*	Profit @12%	Calculated Profit	REVISED TOTAL
Keith Swaffar	Principal-In-Charge/QA Officer	4	\$75.00	\$300	167	\$501	12	\$96	\$897
Philip Rasor, Jr.	PM/Chief Bridge Engineer	40	\$56.00	\$2,240	167	\$3,741	12	\$718	\$6,698
Charles Roarty	Sr. Geotechnical Engineer	4	\$65.00	\$260	167	\$434	12	\$83	\$778
Brett Schwenke	Lead Environmental Scientist	24	\$45.00	\$1,080	167	\$1,804	12	\$346	\$3,230
Tyler Dawson	SUE/Geotech/Pavement	16	\$41.00	\$656	167	\$1,096	12	\$210	\$1,962
William Lansing	Bridge Engineer	80	\$35.00	\$2,800	167	\$4,676	12	\$897	\$8,373
Samantha Grant	Roadway & Drainage Engineer	40	\$39.00	\$1,560	167	\$2,605	12	\$500	\$4,665
Brock Bosack	Utilities Coordination/Design	64	\$32.00	\$2,048	167	\$3,420	12	\$656	\$6,124
Tech Support	CADD Drafting/Design	180	\$30.00	\$5,400	167	\$9,018	12	\$1,730	\$16,148
Subtotal Task 2		452	\$36.16	\$16,344		\$27,294		\$5,237	\$48,875
Material & Direct Costs: Easements & Right-of-Way Exhibits (RSL) \$3,000 Structural Engineering (Cogent) \$10,500 t/e species (ASTI) \$10,000									
Transportation Costs: NTH Mileage \$300 NTH Miscellaneous Costs \$350									
Total All Costs for Task 2:									\$73,025

Task 3 Preparation of Final Plans (100% Design) for City of Ann Arbor WWTP Access Bridge Replacement Project

Staff Name	Role in Study	Total Hours	Hourly Rate	Direct Labor Cost	OH Rate*	OH Cost*	Profit @12%	Calculated Profit	REVISED TOTAL
Keith Swaffar	Principal-In-Charge/QA Officer	5	\$75.00	\$375	167	\$626	12	\$120	\$1,121
Philip Rasor, Jr.	PM/Chief Bridge Engineer	40	\$56.00	\$2,240	167	\$3,741	12	\$718	\$6,698
Charles Roarty	Sr. Geotechnical Engineer	4	\$65.00	\$260	167	\$434	12	\$83	\$778
Brett Schwenke	Lead Environmental Scientist	8	\$45.00	\$360	167	\$601	12	\$115	\$1,077
Tyler Dawson	SUE/Geotech/Pavement	8	\$41.00	\$328	167	\$548	12	\$105	\$981
William Lansing	Bridge Engineer	80	\$35.00	\$2,800	167	\$4,676	12	\$897	\$8,373
Samantha Grant	Roadway & Drainage Engineer	40	\$39.00	\$1,560	167	\$2,605	12	\$500	\$4,665
Brock Bosack	Utilities Coordination/Design	24	\$32.00	\$768	167	\$1,283	12	\$246	\$2,297
Tech Support	CADD Drafting/Design	178	\$30.00	\$5,340	167	\$8,918	12	\$1,711	\$15,969
Subtotal Task 3		387	\$36.25	\$14,030		\$23,432		\$4,496	\$41,958
Material & Direct Costs: Easements & Right-of-Way Exhibits (RSL) \$3,000 Structural Engineering (Cogent) \$6,000									
Transportation Costs: NTH Mileage \$300 NTH Miscellaneous Costs \$400									
Total All Costs for Task 3:									\$51,658

Task 1 Data Collection & Conceptual Plans for three (3) Type, Size and Location (TS&L) Configurations of the WWTP Access Bridge Replacement over the Huron River

Staff Name	Role in Study	Total Hours	Hourly Rate	Direct Labor Cost	OH Rate*	OH Cost*	Profit Rate	Calculated Profit	TOTAL
Keith Swaffar	Principal-In-Charge/QA Officer	10	\$75.00	\$750	167	\$1,253	12	\$240	\$2,243
Philip Rasor, Jr.	PM/Chief Bridge Engineer	40	\$56.00	\$2,240	167	\$3,741	12	\$718	\$6,698
Charles Roarty	Sr. Geotechnical Engineer	18	\$65.00	\$1,170	167	\$1,954	12	\$375	\$3,499
Brett Schwenke	Lead Environmental Scientist	8	\$45.00	\$360	167	\$601	12	\$115	\$1,077
Tyler Dawson	SUE/Geotech/Pavement	24	\$41.00	\$984	167	\$1,643	12	\$315	\$2,943
William Lansing	Bridge Engineer	96	\$35.00	\$3,360	167	\$5,611	12	\$1,077	\$10,048
Samantha Grant	Roadway & Drainage Engineer	24	\$39.00	\$936	167	\$1,563	12	\$300	\$2,799
Brock Bosack	Utilities Coordination/Design	16	\$32.00	\$512	167	\$855	12	\$164	\$1,531
Tech Support	CADD Drafting/Design	184	\$30.00	\$5,520	167	\$9,218	12	\$1,769	\$16,507
Geotech Support	2 Borings into Aquifer and Grouting	32	\$35.00	\$1,120	167	\$1,870	12	\$359	\$3,349
Subtotal Task 1		452	\$37.50	\$16,952		\$28,310		\$5,431	\$50,693
Material & Direct Costs: Design Survey (topo & boundary and bridge survey)-RSL \$18,500 Structural Engineering and Bridge Inspection (Cogent) \$14,500 Geotechnical Drilling Services* (DLZ-American) \$49,500 SUE Vacuum Truck Services \$10,000									
Transportation Costs: NTH Mileage \$852 NTH Geotechnical Services \$2,500									
Total All Costs for Task 1:									\$146,545
*Includes Pressure Grouting of 2 borings									

Table 4 Project & Public Meetings for City of Ann Arbor WWTP Access Bridge Replacement Project

Staff Name	Role in Study	Total Hours	Hourly Rate	Direct Labor Cost	OH Rate*	OH Cost*	Profit @12%	Calculated Profit	REVISED TOTAL
Keith Swaffar	Principal-in-Charge/QA Officer	8	\$75.00	\$600	167	\$1,002	12	\$192	\$1,794
Philip Rasor, Jr.	PM/Chief Bridge Engineer	40	\$56.00	\$2,240	167	\$3,741	12	\$718	\$6,698
Charles Roarty	Sr. Geotechnical Engineer	8	\$65.00	\$520	167	\$868	12	\$167	\$1,555
Brett Schwenke	Lead Environmental Scientist	8	\$45.00	\$360	167	\$601	12	\$115	\$1,077
Tyler Dawson	SUE/Geotech/Pavement	8	\$41.00	\$328	167	\$548	12	\$105	\$981
William Lansing	Bridge Engineer	8	\$35.00	\$280	167	\$468	12	\$90	\$837
Samantha Grant	Roadway & Drainage Engineer	8	\$39.00	\$312	167	\$521	12	\$100	\$933
Brock Bosack	Utilities Coordination/Design	8	\$32.00	\$256	167	\$428	12	\$82	\$766
Tech Support	CADD Drafting/Design	24	\$30.00	\$720	167	\$1,202	12	\$231	\$2,153
Subtotal Meetings		120	\$46.80	\$5,616		\$9,379		\$1,799	\$16,794
Material & Direct Costs:									\$0 \$0 \$0
Transportation Costs:									
NTH Mileage									\$1,500
NTH Miscellaneous Costs									\$650
Total All Costs for Meetings:									\$18,944

	NTH Hours*	NTH Ave. Salary	NTH Direct Lbr.	NTH OH Cost	NTH Profit	Total NTH Labor Fee	Total Cost with Subs & Expenses
Total All Costs for Tasks 1 thru 3 and Meetings:	1,411.00	\$37,52	\$52,942	\$88,415	\$16,963	\$158,320	\$290,172

* Total Hours shown is for NTH, Cogent fee is based upon approximately 210 hours. If Cogent Hours added to NTH hours- total would be approximately 1621 Hours