

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1) ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: CT NO.:	690236-100101 2125	3. VERSION: 8/27/2018	
4.	NAME OF CONSULTANT: Hatch Associates Consultants, Inc.	5. PROJECT TITLE:	Woodland Avenue Area Water Line Improvements		
6.	ADDRESS: 88 E. Broad Street, Suite 1980 Columbus, OH 43215	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal	6	\$89.00	\$534.00	
	Project Manager	86	\$68.00	\$5,848.00	
	Senior Project Engineer	36	\$60.00	\$2,160.00	
	Project Engineer	194	\$58.00	\$11,252.00	
	Design Engineer	480	\$42.00	\$20,160.00	
	Engineering Technician	0	\$37.00	\$0.00	
	Drafter	412	\$32.00	\$13,184.00	
	Clerical	22	\$26.00	\$572.00	
	DIRECT LABOR TOTAL:				\$53,710.00
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.85	0.10	2.135	
	INDIRECT LABOR + PROFIT TOTAL				\$114,670.85
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$168,380.85
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL MILEAGE: 250 miles x \$ 0.54 / mile			\$135.00	
	a. TRAVEL SUBTOTAL:			\$135.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) Schedule 2A-2 Expenses			EST. COST \$1,648.80	
	b. EMS SUBTOTAL:			\$1,648.80	
	c. SUBCONTRACTS Korda/Nemeth Engineering			EST. COST \$60,095.71	
	c. SUB SUBTOTAL:			\$60,095.71	
	d. OTHER (Specify categories)			EST. COST	
	d. OTHER SUBTOTAL:			\$0.00	
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):				\$61,879.51
12.	TOTAL COST (item 10 + 11)				\$230,260.36
13.					
14.					
15.					
16.	CONTINGENCY (15%)				\$34,539.05
17.	MAXIMUM FEE (items 12 through 16)				\$264,799.41

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1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: CT NO.:	690236-100101 2125	3. VERSION: 8/27/2018	
4.	NAME OF CONSULTANT: Korda/Nemeth Engineering	5. PROJECT TITLE:	Woodland Avenue Area Water Line Improvements		
6.	ADDRESS: 1650 Watermark Dr, Suite 200 Columbus, OH 43215	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal		\$79.00	\$0.00	
	Project Manager		\$65.00	\$0.00	
	Senior Project Engineer		\$54.00	\$0.00	
	Project Engineer		\$32.00	\$0.00	
	Design Engineer		\$30.00	\$0.00	
	Eng. Technician		\$29.50	\$0.00	
	Drafter	144	\$25.50	\$3,672.00	
	Clerical		\$30.00	\$0.00	
	Registered Surveyor	76	\$56.00	\$4,256.00	
	Field Person	298	\$29.00	\$8,642.00	
	DIRECT LABOR TOTAL:				\$16,570.00
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.65	0.10	1.92	
	INDIRECT LABOR + PROFIT TOTAL				\$31,731.55
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$48,301.55
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL MILEAGE: 800 miles x \$ 0.54 / mile			\$432.00	
	a. TRAVEL SUBTOTAL:			\$432.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)			EST. COST	
				\$0.00	
	b. EMS SUBTOTAL:			\$0.00	
	c. SUBCONTRACTS MAN Mapping			EST. COST	
				\$11,362.16	
	c. SUB SUBTOTAL:			\$11,362.16	
	d. OTHER (Specify categories)			EST. COST	
	d. OTHER SUBTOTAL:			\$0.00	
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):				\$11,794.16
12.	TOTAL COST (item 10 + 11)				\$60,095.71
13.					
14.					
15.					
16.					
17.	MAXIMUM FEE (items 12 through 16)				\$60,095.71

SCHEDULE 2A-2
EXPENSES
Woodland Avenue Area Water Line Improvements
CIP NO. 690236-100101, CONTRACT No. 2125

Task	Description							Cost
4	Water Main Design Report	Sets:	4	Pages:	30	Rate:	\$ 0.12	\$14.40
5	Detailed Design	Sets:	2	Pages:	80	Rate:	\$ 0.48	\$76.80
5	Departmental/Utility Review	Sets:	24	Pages:	80	Rate:	\$ 0.48	\$921.60
5	Signatures	Sets:	2	Pages:	80	Rate:	\$ 0.48	\$76.80
8	Construction	Sets:	10	Pages:	80	Rate:	\$ 0.48	\$384.00
9	Record Plan	Sets:	2	Pages:	80	Rate:	\$ 0.12	\$19.20
7	OEPA Permits	Sets:	2	Pages:	50	Rate:	\$ 0.48	\$48.00
7	OEPA Permits	Sets:	4	Pages:	50	Rate:	\$ 0.48	\$96.00
7	OEPA Permits	Sets:	4	Pages:	25	Rate:	\$ 0.12	\$12.00
	Subtotal Expenses							\$1,648.80

SCHEDULE 2B
MAXIMUM LABOR RATES
2018 - 2020

Woodland Avenue Area Water Line Improvements
CIP NO. 690236-100101, CONTRACT No. 2125

	Position Description	Hourly Rate 2018	Hourly Rate 2019	Hourly Rate 2020
Hatch	Principal	\$89.00	\$92.56	\$96.26
	Project Manager	\$68.00	\$70.72	\$73.55
	Senior Project Engineer	\$60.00	\$62.40	\$64.90
	Project Engineer	\$58.00	\$60.32	\$62.73
	Design Engineer	\$42.00	\$43.68	\$45.43
	Engineering Technician	\$37.00	\$38.48	\$40.02
	Drafter	\$32.00	\$33.28	\$34.61
	Clerical	\$26.00	\$27.04	\$28.12
Korda	Principal	\$79.00	\$82.95	\$87.10
	Project Manager	\$65.00	\$68.25	\$71.66
	Senior Project Engineer	\$54.00	\$56.70	\$59.54
	Project Engineer	\$32.00	\$33.60	\$35.28
	Design Engineer	\$30.00	\$31.50	\$33.08
	Engineering Technician	\$29.50	\$30.98	\$32.52
	Drafter	\$25.50	\$26.78	\$28.11
	Clerical	\$30.00	\$31.50	\$33.08
	Registered Surveyor	\$56.00	\$58.80	\$61.74
	Field Person	\$29.00	\$30.45	\$31.97

APPENDIX B
LABOR HOURS
Woodland Avenue Area

TASK NO.	ACTIVITY	LABOR HOURS											TOTAL
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		
1	Project Management	3	34			20			6				63
2	Meetings		12		8	36							56
3	Site Survey							144		76	298		518
4	Preliminary/Final Water Main Design Summary	1	8	12	56	52		48	2				179
5	Plan Preparation	1	12	14	78	260		124	4				493
6	Maintenance of Traffic		8	4	12	40		60					124
7	Submission of Design Deliverables	1	4	2	8	32		40	4				91
8	Bid Support		4	4	24	16			2				50
9	Record Drawings		4		8	24		140	4				180
	Total Hours	6	86	36	194	480	0	556	22	76	298		1754

PR - Principal
PM - Project Manager

SPE - Senior Project Engineer
PE - Project Engineer

DE - Design Engineer
ET - Eng./Surv. Technician

DR - Drafter
CL - Clerical

RS - Registered Surveyor
FP - Survey Crew

UTILIZATION REPORTING FORM												
Project Detail Summary												
Project A	Project Name:	Woodland Avenue Area Water Line Improvements	Department:	Public Utilities	Ordinance Number:	2559-2018	Invoice Number:					
	Project Number:	690236-100101	Division:	Water	Purchase Order Amount:	\$264,799.41	Comments/Notes:					
	City PM and Phone Number:	Evan DiSanto, P.E. (614) 645-7677	Section:	Distribution	PO# (Suffix/Line #):	001						
LOAN FUNDED PROJECTS ARE REQUIRED TO HAVE A SEPARATE SUBCONTRACTOR WORK IDENTIFICATION FORM - UTILIZATION REPORTING FORM FOR EACH LOAN								Purchase Order Amount(s) Grand Total:				\$264,799.41
Prime and Subcontractor Utilization Summary												
	Name / Address	Contact Information	Federal Tax ID# / Expiration Date	Firm Type / DAX Vendor #	Contract Scope	Original Utilization Amount / Percentage	Revised Utilization Amount / Percentage	Previous Amount Earned To Date	Amount Earned This Invoice	Total Amount Earned	Balance Remaining	
PRIME	Hatch Associates Consultants, Inc. 88 E. Broad Street, Suite 1980 Columbus, OH 43215	Matthew Kiefer, PE Matthew.Kiefer@hatch.com 614-224-4419 (office) 614-557-9901 (mobile)	13-6094431	MAJ	Project Management Water Line Design Bid Support	\$ 204,703.70				\$ -	\$ 204,703.70	
			5/21/20	25646	Record Drawings	77.31%	#DIV/0!	0.00%	0.00%	0.00%	100.00%	
SUB 1	Korda/Nemeth Engineering, Inc. 1650 Watermark Drive, Suite 200 Columbus, OH 43215	Tony Meacham, PS tony.meacham@korda.com 614-487-1650 (office) 614-306-2415 (mobile)	31-0922991	SUB	Surveying Easement Preparation	\$ 60,095.71				\$ -	\$ 60,095.71	
			5/24/19	4467		22.69%	#DIV/0!	0.00%	0.00%	0.00%	100.00%	
	Last Updated By:		Missy Smith		TOTAL AMOUNT	\$ 264,799.41	\$ -	\$ -	\$ -	\$ -	\$ 264,799.41	
	Last Updated On:		9/10/18		Total Percentage	100.00%	#DIV/0!	0.00%	0.00%	0.00%	100.00%	

APPENDIX A

PROJECT SCHEDULE

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