#### **UTILIZATION REPORTING FORM Project Detail Summary** Northest Stormwater Study Karmel/Woodward & Maize/Morse Project Name: DPU 1819-2021 **Invoice Number:** Ordinance Number: **Department:** 511725-100000 **Division:** DOSD \$778,386.34 Project Number: **Purchase Order Amount: Comments/Notes:** PO# (Suffix/Line #): City PM and Phone Number: Carl "Jim" Arthur / (740) 526-3355 **Section:** Stormwater Project Name: **Invoice Number: Ordinance Number: Department: Division: Purchase Order Amount:** Project Number: **Comments/Notes:** PO# (Suffix/Line #): **City PM and Phone Number: Section:** Project Name: **Ordinance Number: Invoice Number: Department: Project Number:** Division: **Purchase Order Amount: Comments/Notes:** PO# (Suffix/Line #): **City PM and Phone Number: Section:** LOAN FUNDED PROJECTS ARE REQUIRED TO HAVE A SEPARATE SUBCONTRACTOR WORK IDENTIFICATION FORM - UTILIZATION REPORTING FORM FOR EACH LOAN \$778,386.34 **Purchase Order Amount(s) Grand Total: Prime and Subcontractor Utilization Summary** Federal Tax ID# **Original Utilization Revised Utilization Previous Amount Amount Earned Total Amount** Firm Type / **Balance** DAX Vendor # This Invoice Name / Address **Contact Information Amount / Percentage Amount / Percentage Earned To Date Expiration Date Contract Scope** Earned Remaining Kathleen Smith, PE Hazen & Sawyer Project Management 150 E. Campus View Blvd., Suite 200 482,324.27 482,324.27 13-2904652 Modeling ksmith@hazenand sawyer.com MAJ (614) 738-6503 (cell) 3/5/2022 630 Report Columbus, Ohio 43235 61.96% #DIV/0! 0.00% 0.00% 0.00% 100.00% DLZ Ohio, Inc. James H. Toto, PE Survey 6121 Huntley Rd. 148,039.36 148,039.36 toto@dlz.com 31-1268980 **MBR** Detention Columbus, Ohio 43229 (614) 987-0294 (office) 2/28/2023 4939 Cost Estimates (614) 581-8078 (cell) 19.02% #DIV/0! 0.00% 0.00% 0.00% 100.00% **Coldwater Consulting, LLC** Kristen Risch Green Infrastructure 995 South High Street 27-3377013 **FBE** 139,977.73 139,977.73 Field Investigation kdrisch@coldwaterconsultants.com Columbus, OH 43206 614-745-3401 4/30/2023 3198 17.98% #DIV/0! 0.00% 0.00% 0.00% 100.00% SUE **DHDC Engineering Consultant Serv** Savvas Sophocleous 32-0376762 **MBE** 8,044.98 8,044.98 2390 Advanced Business Ctr. Dr. sophocleous@dhdcinc.com Columbus, Ohio 43228 (937) 672-8518 6/30/2021 6280 1.03% #DIV/0! 0.00% 0.00% 0.00% 100.00% 0.00% #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! 0.0% #DIV/0! #DIV/0! #DIV/0! #DIV/0! 0.0% #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! 0.0% #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! TOTAL AMOUNT 778,386.34 778,386.34 Last Updated By:

Total Percentage

Last Updated On:

100.00%

**#DIV/0!** 

0.00%

0.00%

0.00%

100.00%

# APPENDIX A PROJECT SCHEDULE

TASK			MONTH										
NO.	ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12
A1	Review Existing Information												
A2	Field Investigations												
A3	Sewer Inspection, Cleaning, and Televising												
A4	Identification of Stormwater Problem Locations												
A5	Hydrologic and Hydraulic (H&H) Analysis												
A6	Alternative Development and Evaluation												
A7	Draft and Final Preliminary Design Report												
A8	Project Coordination												
A9	Progress Meetings, Reports, and Schedules												

### SCHEDULE 2B MAXIMUM LABOR RATES

2021 - 2023

## NORTHEAST STORMWATER STUDY - KARMEL/WOODWARD & MAIZE/MORSE CIP NO. 611725-100000

	Position Description	<b>Hourly Rate 2021</b>	Hourly Rate 2022	Hourly Rate 2023
Hazen	Principal	\$101.00	\$105.00	\$109.50
	Project Manager	\$90.50	\$94.00	\$98.00
	Senior Project Engineer	\$80.00	\$83.00	\$86.50
	Project Engineer	\$59.00	\$61.00	\$63.50
	Design Engineer	\$52.00	\$54.00	\$56.50
	Eng. Technician	\$44.00	\$46.00	\$48.00
	Drafter	\$50.00	\$52.00	\$54.50
	Clerical	\$42.00	\$44.00	\$46.00
Coldwater	Principal	\$85.00	\$89.25	\$93.71
	Project Manager	\$78.00	\$81.90	\$86.00
	Senior Project Engineer	\$62.00	\$65.10	\$68.36
	Project Engineer	\$52.00	\$54.60	\$57.33
	Design Engineer	\$45.00	\$47.25	\$49.61
	Eng. Technician	\$38.00	\$39.90	\$41.90
	Drafter	\$33.00	\$34.65	\$36.38
	Clerical	\$28.00	\$29.40	\$30.87
DLZ	Principal (PR)	\$111.57	\$117.15	\$123.01
	Project Manager (PM)	\$75.19	\$78.95	\$82.90
	Senior Project Engineer (SPE)	\$65.49	\$68.76	\$72.20
	Project Engineer (PE)	\$55.79	\$58.58	\$61.51
	Design Engineer (DE)	\$42.45	\$44.57	\$46.80
	Engineering Technician (ET)	\$38.81	\$40.75	\$42.79
	Drafter (DR)	\$37.60	\$39.48	\$41.45
	Clerical (CL)	\$32.74	\$34.38	\$36.10
	Registered Surveyor (RS)	\$59.42	\$62.39	\$65.51
	Two Man Field Crew (2FP)	\$88.53	\$92.96	\$97.60
	Field Representative (FP)	\$38.00	\$39.90	\$41.90
DHDC	Project Manager (PM)	\$45.00	\$38.00	\$38.50
	Project Engineer (PE)	\$43.00	\$38.00	\$38.50
	Geologist (G)	\$35.00	\$35.00	\$35.50
	Engineering Technician (ET)	\$30.00	\$18.50	\$18.75
	CAD Operator (D1)	\$25.00	\$17.50	\$17.75
	Clerical (CL)	\$22.00	\$16.00	\$16.25

TASK			LABOR HOURS									
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP	TOTAL
A1	Review Existing Information	2	2	20	32	0	128	0	0	24	0	208
A2	Field Investigations	2	23	96	10	0	208	3	1	40	180	563
А3	Sewer Inspection, Cleaning, and Televising	2	0	8	16	0	204	0	0	0	0	230
A4	ID Stormwater Problem Locations	2	8	76	0	0	100	0	0	0	0	186
A5	Hydrologic and Hydraulic (H&H) Analysis	4	40	60	100	0	500	0	0	0	0	704
A6	Alternative Development and Evaluation	16	170	120	80	60	344	0	0	0	0	790
A7	Draft and Final Preliminary Design Report	0	56	88	8	20	140	0	4	0	0	316
A8	Project Coordination	2	4	40	0	0	32	0	0	0	0	78
A9	Progress Meetings, Reports, and Schedules	2	100	116	36	0	32	0	12	8	0	306
	Total Hours	32	403	624	282	80	1688	3	17	72	180	3381

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter

RS - Registered Surveyor

PE - Project Engineer ET - Eng. Technician CL - Clerical FP - Field Person

#### **SCHEDULE 2A-2 - SEWER INSPECTION UNIT COSTS**

1	. CITY:	2. CIP NOs.	3. VERSION:
	Dept. of Public Utilities	611725-100000	
4	. NAME OF SUBCONTRACTOR:	5. PROJECT TITLE:	
	Tele-Vac Environmental	Northeast Stormwater Study	
6	. ADDRESS:	7. TYPE OF CONTRACT:	
	6141 Enterprise Parkway		
	Grove City, Ohio 43123		

			CC	CTV	Sewer Cleaning		
8.	SEWER SIZE	Length	Unit Price	Cost	Unit Price	Cost	
	(inches)	( feet )	( \$/ft )	(\$)	( \$/ft )	(\$)	
	Unknown	90	\$2.75	\$247.50	\$2.00	\$180.00	
	D <u>&lt;</u> 18"	8,021	\$2.75	\$22,057.75	\$2.00	\$16,042.00	
	18" < D <u>&lt;</u> 30"	4,323	\$2.75	\$11,888.25	\$2.25	\$9,726.75	
	30" < D ≤ 36"	842	\$4.00	\$3,368.00	\$2.50	\$2,105.00	
	36" < D	2,013	\$5.00	\$10,065.00	\$2.50	\$5,032.50	
		15,289	SubTotal:	\$47,626.50	SubTotal:	\$33,086.25	

9.	Allowances	Qty.	Unit	Cost	Totals
	Heavy Cleaning (contingency)				
	Unknown	27	LF	\$ 3.00	\$ 81.00
	D <u>&lt;</u> 18"	2,406	LF	\$ 3.00	\$ 7,218.00
	18'' < D ≤ 30"	1,297	LF	\$ 3.50	\$ 4,539.50
	30'' < D ≤ 36"	253	LF	\$ 5.00	\$ 1,265.00
	36" < D	604	LF	\$ 7.00	\$ 4,228.00
	Excessive Heavy Cleaning (contingency)	16	Hour	\$ 750.00	
	Sonde Locates (contingency)	5	EA	\$ 250.00	\$ 1,250.00
	Maintenance of Traffic (contingency)	1	Lump Sum	\$ 3,500.00	\$ 3,500.00
	Flow Control	1	LS	\$ 2,500.00	\$ 2,500.00
	Evensive heavy cleaning assumes 3 trucks: CCT	TV VAC and Wat	or Truols		

Excessive heavy cleaning assumes 3 trucks: CCTV, VAC, and Water Truck

TASK							LABO	R HOURS		LABOR HOURS							
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		TOTAL				
A1	Review Existing Information			16	32		120						168				
A2	Field Investigations			8	8		80						96				
А3	Sewer Inspection, Cleaning, and Televising	2		8	16		204						230				
A4	ID Stormwater Problem Locations	2		16			80						98				
A5	Hydrologic and Hydraulic (H&H) Analysis	4		60	100		500						664				
A6	Alternative Development and Evaluation	4		60	60		80						204				
A7	Draft and Final Preliminary Design Report			40			80		4				124				
A8	Project Coordination	2		40			32						74				
A9	Progress Meetings, Reports, and Schedules	2		80	24		24		12				142				
													0				
													0				
													0				
													0				
													0				
													0				
													0				
	Total Hours	16	0	328	240	0	1200	0	16	0	0		1800				

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter

RS - Registered Surveyor

PE - Project Engineer

ET - Eng. Technician

CL - Clerical

FP - Field Person

### **SCHEDULE 2A**

### ENGINEERING COST SUMMARY

		CHEDULE 2. ERING COST	` '		
	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	ERING COST	2. CIP NO.: CT NO.:		3. VERSION:
$\vdash$	NAME OF CONSULTANT: Hazen and Sawyer	5. PROJECT TITLE:		water Study - Karr Maize/Morse	mel/Woodward &
6.	<b>ADDRESS:</b> 150 E Campus View Blvd, #200 Columbus, OH 43235	7. TYPE OF CO	DIRECT HOURL	Y W/MULTIPLI	ER
8.	DIRECT LABOR:	EST. HRS.	2021 HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal (PR) Project Manager (PM) Senior Project Engineer (SPE) Project Engineer (PE) Design Engineer (DE) Eng. Technician (ET) Drafter (DR)	16 0 328 240 0 1200	\$101.00 \$90.50 \$80.00 \$59.00 \$52.00 \$44.00	\$1,616.00 \$0.00 \$26,240.00 \$14,160.00 \$0.00 \$52,800.00 \$672.00	
	Clerical (CL)	16	\$42.00	LABOR TOTAL:	\$95,488.00
9.	INDIRECT LABOR:	Overhead & Administrative (a) 1.9150	Profit (b) 0.097	Indirect Cost & Profit Multiplier (a + b) + (a * b) 2.20	EXTENDED TOTALS
		\$209,859.23			
10.	TOTA	L LABOR + PRO	OFIT COSTS (ite	PROFIT TOTAL: em 8 + item 9) (or Profit Multiplier):	,,
	OTHER DIRECT COSTS:			EST. COST	, , , , , , , , , , , , , , , , , , ,
	a. TRAVEL  MILEAGE: # miles x \$ (IRS rate @ data AIRFARE:	·	e EL SUBTOTAL:	\$470.40 \$0.00 \$470.40	
	b. EQUIPMENT, MATERIALS, SUPPLIES ( (List itemized breakdown below or on S)		penses)	EST. COST \$450.00 \$0.00 \$0.00	
		b. E	MS SUBTOTAL:	\$450.00	
	c. SUBCONTRACTS Sub #1 DLZ Sub #2 Coldwater Sub #3 DHDC Sub #4 TeleVac			EST. COST \$148,039.36 \$139,977.73 \$8,044.98 \$105,294.25	
		c. S	UB SUBTOTAL:	\$401,356.31	
	d. OTHER (Specify categories)	1 OTH	ED GLIDTOTAL	EST. COST \$0.00 \$0.00	
	e. TOTAL OTH		ER SUBTOTAL:  OSTS TOTAL (ite	\$0.00 ems a through d):	
12.	TOTAL COST (item 10 + 11)		(	<b>6</b> -71	\$707,623.94
13.	(If Authorized; Name of sub & amount if not p	performed by prim	e.)		\$0.00
14.	(If Authorized; Name of sub & amount if not p	performed by prim	e.)		\$0.00
	(If Authorized; Name of sub & amount if not p	performed by prim	e.)		\$0.00
	CONTINGENCY ( 10%)  MAXIMUM FEE (items 12 through 16)				\$70,762.39 <b>\$778,386.34</b>

#### SCHEDULE 2A-2 EXPENSE SUMMARY NORTHEAST STORMWATER STUDY CIP 611725-100000

Equipme	ent, materials, supplies				<b>Qty</b>	<u>Un</u>	it Cost	Cost
Task	Description	T						Cost
A7	3 Paper Copies							\$450.00
A3	Manhole and Inlet Inspections	Miles:	198		Rate:	\$	0.56	\$110.88
A5	Site Visit	Miles:	66		Rate:	\$	0.56	\$36.96
A8	Project Mileage	Miles:	33		Rate:	\$	0.56	\$18.48
A9	Project Meetings	Miles:	543		Rate:	\$	0.56	\$304.08

Hazen to Project site 16.5 Miles Round trip

Subtotal Expenses

Hazen to Fairwood 34 Miles Round trip Assumes workshops are held at Fairwood, public inform

\$920.40

TASK		LABOR HOURS											
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		TOTAL
A1	Review Existing Information		2							24			26
A2	Field Investigations		8							40	180		228
А3	Sewer Inspection, Cleaning, and Televising												0
A4	ID Stormwater Problem Locations			40									40
A5	Hydrologic and Hydraulic (H&H) Analysis		40										40
A6	Alternative Development and Evaluation		40	20	20	60	60						200
Α7	Draft and Final Preliminary Design Report		16	8	8	20	20						72
A8	Project Coordination												0
A9	Progress Meetings, Reports, and Schedules		60	12	12					8			92
													0
													0
													0
													0
													0
													0
													0
	Total Hours	0	166	80	40	80	80	0	0	72	180		698

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter

RS - Registered Surveyor

PE - Project Engineer

ET - Eng. Technician

CL - Clerical

FP - Field Person

#### SCHEDULE 2A DLZ COST SUMMARY

#### NORTHEAST STORMWATER STUDY

CIP 611725-100000

1.	CITY COLUMBUS, OHIO DEPT, OF PUBLIC UTILITIES	CH 011/23-100000	2. CIP NO.: CT NO.:	611725-100000	<b>3. VERSION:</b> 6/2/2021				
4	NAME OF CONSULTANT:		CI NO		0/2/2021				
т.	DLZ Ohio, Inc.	5. PROJECT TITLE:	Northeast Stormy	vater Study - Karmel/Woo	odward & Maize/Morse				
6	ADDRESS:	7. TYPE OF CONTRAC		acer grady 11ammer (10	30 W 41 0 00 1 1 1 4 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
0.	6121 Huntley Road			LY W/MULTIPLIER					
	Columbus, Ohio 43229		DIRECT HOUR	EI WAREETH EIER					
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL				
0.	Principal (PR)	0	\$117.15						
	Project Manager (PM)	166	\$78.95						
	Senior Project Engineer (SPE)	80	\$68.76	1 1					
	Project Engineer (PE)	40	\$58.58						
	Design Engineer (DE)	80	\$44.57	\$3,565.80					
	Engineering Technician (ET)	80	\$40.75	\$3,260.04					
	Drafter (DR)	0	\$39.48	\$0.00					
	Clerical (CL)	0	\$34.38	\$0.00					
	Registered Surveyor (RS)	72	\$62.39	\$4,492.15					
	Two Man Field Crew (2FP)	180	\$92.96	\$16,732.17					
	Field Representative (FP)	0	\$39.90	\$0.00					
		500							
		698	DIR	ECT LABOR TOTAL:	\$49,000				
9.				Indirect Cost & Profit					
		Overhead &		Multiplier (a +	EXTENDED				
	INDIRECT LABOR:	Administrative (a)	Profit (b)	b) + (a * b)	TOTALS				
		1.73	0.10	2.00					
		I	NDIRECT LABO	R + PROFIT TOTAL:	\$98,147				
	TOTAL LABOR +	PROFIT COSTS (item	8 + item 9) (or 1 +	- Indirect Cost & Profit					
10.									
11.	OTHER DIRECT COSTS:			EST. COST					
	MILEAGE: 700 miles x 0.56 (IRS rate @ date of trave AIRFARE:  b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) (List itemized breakdown below or on Schedule 2A-2 Ex Reproduction  c. SUBCONTRACTS	a. TRAV	'EL SUBTOTAL:  MS SUBTOTAL:	\$392 \$0 \$392 EST. COST \$500 \$500 EST. COST					
	d. OTHER (Specify categories) Fee Corp (CCTV/Cleaning)	c. S	UB SUBTOTAL:	\$0 EST. COST					
	Manhole and Inlet Inspections / Sewer Pipe Ends	д ОТН	ER SUBTOTAL:	\$0					
	e.	TOTAL OTHER DIRE		· ·	\$892				
12.	TOTAL COST (item 10 + 11)				\$148,039				
<ul><li>13.</li><li>14.</li><li>15.</li></ul>									
<b>.</b> ∪.					ľ				
16.	CONTINGENCY (10%)								
	CONTINGENCY (10%)  MAXIMUM FEE (items 12 through 16)				\$148,039				

#### SCHEDULE 2A-2 EXPENSE SUMMARY NORTHEAST STORMWATER STUDY CIP 611725-100000

PROJECT TITLE: NORTHEAST STORMWATER STUDY

FIRM: DLZ Ohio, Inc.

Equipment, materials, suppliesQtyUnit CostCostA7Miscellaneous Reproduction1500\$500.00

**SUBTOTAL** \$500.00

FIRM: DLZ

Equipment, materials, supplies Oty Unit Cost Cost

Task	Description						Cost
A2	Mileage	Miles:	490		Rate:	\$ 0.56	\$274.40
A5	Mileage	Miles:	40		Rate:	\$ 0.56	\$22.40
A6	Mileage	Miles:	40		Rate:	\$ 0.56	\$22.40
A8	Mileage	Miles:	40		Rate:	\$ 0.56	\$22.40
A9	Mileage	Miles:	90		Rate:	\$ 0.56	\$50.40
A7	Reproduction (See Above)						
	Survey field equipment						
	Subtotal Expenses		700				\$392.00

10 miles/round trip - DLZ to project area8 miles/round trip - DLZ to H&S32 miles/round trip - DLZ to City

Task A2 200 20 days for survey (2-person crew)

Task A5/A6 40 4 project area visits

Task A8/A9 80 2 trips to H&S, 2 trips to Columbus, 2 trips to General Meetings

TASK	TASK LABOR HOURS											
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP	TOTAL
A1	Review Existing Information	2		4			8					14
A2	Field Investigations	2	10	88			120					220
А3	Sewer Inspection, Cleaning, and Televising											0
A4	ID Stormwater Problem Locations		8	20			20					48
A5	Hydrologic and Hydraulic (H&H) Analysis											0
A6	Alternative Development and Evaluation	12	130	40			204					386
A7	Draft and Final Preliminary Design Report		40	40			40					120
A8	Project Coordination		4									4
A9	Progress Meetings, Reports, and Schedules		40	24			8					72
												0
												0
												0
												0
												0
												0
												0
	Total Hours	16	232	216	0	0	400	0	0	0	0	864

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter

RS - Registered Surveyor

PE - Project Engineer

ET - Eng. Technician

CL - Clerical

FP - Field Person

#### **SCHEDULE 2A**

### ENGINEERING COST SUMMARY

		CHEDULE 2	A (1) SUMMARY							
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	MING COST	2. CIP NO.: CT NO.:	611725-100000	3. VERSION:					
4.	NAME OF CONSULTANT: Coldwater Consulting, LLC	5. PROJECT TITLE:		mel/Woodward &						
6.	ADDRESS: 995 S. High Street Columbus, OH 43206	7. TYPE OF CO	ER							
0	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL					
0.	Principal Project Manager Senior Project Engineer Design Engineer Engineering Technician Drafter	16 232 216 0 400	\$85.00 \$78.00 \$58.00 \$50.00 \$37.00 \$35.00	\$1,360.00 \$18,096.00 \$12,528.00 \$0.00 \$14,800.00						
			DIRECT	LABOR TOTAL:	\$46,784.00					
9.	INDIRECT LABOR:	Overhead & Administrative (a) 1.72	Profit (b) 0.10	Indirect Cost & Profit Multiplier $(a + b) + (a * b)$ 1.99	EXTENDED TOTALS					
		INDIR	ECT LABOR + P	PROFIT TOTAL:	\$93,193.73					
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or									
11.	OTHER DIRECT COSTS:			EST. COST						
	a. TRAVEL									
	MILEAGE: X miles x \$ / mile \$0.00									
	AIRFARE:	a. TRAV	EL SUBTOTAL:	\$0.00 \$0.00						
	b. EQUIPMENT, MATERIALS, SUPPLIES (I (List itemized breakdown below or on Sci	hedule 2A-2 Exp	enses)  MS SUBTOTAL:	EST. COST \$0.00 \$0.00 \$0.00 \$0.00						
		0. E	MIS SUBTUTAL:	\$0.00						
	c. SUBCONTRACTS  EST. COST  \$0.00  \$0.00  \$0.00  \$0.00									
	d. OTHER (Specify categories)  c. SUB SUBTOTAL: \$0.00  EST. COST  \$0.00  \$0.00									
	d. OTHER SUBTOTAL: \$0.00									
		ER DIRECT CO	OSTS TOTAL (it	ems a through d):						
	TOTAL COST (item 10 + 11)				\$139,977.73					
	(If Authorized; Name of sub & amount if not pe	• •			\$0.00					
14.	(If Authorized; Name of sub & amount if not pe	erformed by prime	e.)		\$0.00					
15.	(If Authorized; Name of sub & amount if not pe	erformed by prime	e.)		\$0.00					
	CONTINGENCY (%)				\$0.00					
17.	MAXIMUM FEE (items 12 through 16)				\$139,977.73					

TASK		LABOR HOURS											
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		TOTAL
A1	Review Existing Information												0
A2	Field Investigations		5		2		8	3	1				19
А3	Sewer Inspection, Cleaning, and Televising												0
A4	ID Stormwater Problem Locations												0
A5	Hydrologic and Hydraulic (H&H) Analysis												0
A6	Alternative Development and Evaluation												0
A7	Draft and Final Preliminary Design Report												0
A8	Project Coordination												0
A9	Progress Meetings, Reports, and Schedules												0
													0
													0
													0
													0
													0
													0
													0
	Total Hours	0	5	0	2	0	8	3	1	0	0		19

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter

RS - Registered Surveyor

PE - Project Engineer

ET - Eng. Technician

CL - Clerical

FP - Field Person

#### **SCHEDULE 2A**

### ENGINEERING COST SUMMARY

		CHEDULE 2	A (1) SUMMARY						
1	CITY COLUMBUS, OHIO	KING COST	2. CIP NO.:		3. VERSION:				
1.	DEPT. OF PUBLIC UTILITIES		CT NO.:		5. VERSION:				
4.	1111112 01 00110021111111	5. PROJECT TITLE:	nel/Woodward &						
	DHDC Engineering Consulting Services, Inc.								
6.	ADDRESS: 2390 Advanced Business Center Drive		. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIE						
	Columbus, Ohio 43026	1	HOURLY						
	Columbus, Onto 43020		HOURLY		EXTENDED				
8.	DIRECT LABOR:	EST. HRS.	RATE	SUBTOTAL	TOTAL				
	Project Manager (PM)	5	\$45.00	\$225.00					
	Project Engineer (PE)	2	\$43.00	\$86.00					
	Engineering Technician (ET)	8	\$30.00	\$240.00					
	Cad Operator (DR) Clerical (CL)	3 1	\$25.00 \$22.00	\$75.00 \$22.00					
	Ciericai (CL)	1	\$22.00	\$22.00					
			DIRECT 1	LABOR TOTAL:	\$648.00				
9.		Overhead &		Indirect Cost &					
		Administrative		Profit Multiplier	EXTENDED				
	INDIRECT LABOR:	(a)	Profit (b)	(a + b) + (a * b)	TOTALS				
		1.69	0.02975	1.77					
				PROFIT TOTAL:	\$1,146.98				
	TOTA		,	em 8 + item 9) (or					
10.		1+	Indirect Cost & I	Profit Multiplier):	\$1,794.98				
11.	OTHER DIRECT COSTS:			EST. COST					
	a. TRAVEL								
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile \$0.00								
	AIRFARE: \$0.00 a. TRAVEL SUBTOTAL: \$0.00								
		u. TRATY	LL SODIOTAL.	Ψ0.00					
	b. EQUIPMENT, MATERIALS, SUPPLIES (I			EST. COST					
	(List itemized breakdown below or on Sci	hedule 2A-2 Expo	enses)	\$0.00					
				\$0.00 \$0.00					
		b. E	MS SUBTOTAL:	\$0.00					
				,					
	c. SUBCONTRACTS			EST. COST					
	Sub #1 (provide separate Cost Summary)			\$0.00					
	Sub #2 (provide separate Cost Summary) Sub #3 (provide separate Cost Summary)			\$0.00 \$0.00					
	Sub #4 (provide separate Cost Summary) Sub #4 (provide separate Cost Summary)			\$0.00 \$0.00					
	Sub-114 (provide separate Cost Summary)	c. S	UB SUBTOTAL:	\$0.00					
	d. OTHER (Specify categories)			EST. COST					
	SUE LEVEL A (5 potholes at \$1,250)			\$6,250.00					
	· -	\$0.00							
	d. OTHER SUBTOTAL: \$6,250.00								
		ER DIRECT CO	OSTS TOTAL (it	ems a through d):	\$6,250.00				
	TOTAL COST (item 10 + 11)				\$8,044.98				
	(If Authorized; Name of sub & amount if not pe	• •			\$0.00				
	(If Authorized; Name of sub & amount if not pe	• •			\$0.00				
	(If Authorized; Name of sub & amount if not pe	erformed by prime	e.)		\$0.00				
	CONTINGENCY (%)				\$0.00				
17.	MAXIMUM FEE (items 12 through 16)				\$8,044.98				

TASK		LABOR HOURS											
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		TOTAL
A1	Review Existing Information												0
A2	Field Investigations												0
А3	Sewer Inspection, Cleaning, and Televising												0
A4	ID Stormwater Problem Locations												0
A5	Hydrologic and Hydraulic (H&H) Analysis												0
A6	Alternative Development and Evaluation												0
A7	Draft and Final Preliminary Design Report												0
A8	Project Coordination												0
A9	Progress Meetings, Reports, and Schedules												0
													0
													0
													0
													0
													0
													0
													0
	Total Hours	0	0	0	0	0	0	0	0	0	0		0

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter CL - Clerical

RS - Registered Surveyor

PE - Project Engineer

ET - Eng. Technician

FP - Field Person

TASK		LABOR HOURS											
NO.	ACTIVITY	PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		TOTAL
A1	Review Existing Information												0
A2	Field Investigations												0
А3	Sewer Inspection, Cleaning, and Televising												0
A4	ID Stormwater Problem Locations												0
A5	Hydrologic and Hydraulic (H&H) Analysis												0
A6	Alternative Development and Evaluation												0
A7	Draft and Final Preliminary Design Report												0
A8	Project Coordination												0
A9	Progress Meetings, Reports, and Schedules												0
													0
													0
													0
													0
													0
													0
													0
	Total Hours	0	0	0	0	0	0	0	0	0	0		0

\*If Authorized

PR - Principal PM - Project Manager SPE - Senior Project Engineer

DE - Design Engineer

DR - Drafter CL - Clerical

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