# **UTILIZATION REPORTING FORM**

# **Project Detail Summary**

ct A	Project Name:	Franklinton Storm Sewer Improvements	Department:	Public Utilities	Ordinance Number:	Invoice Number:	
) je	Project Number:	610910-100001	Division:	DOW	Purchase Order Amount:	C	
Pro	City PM and Phone Number:	Fang Cheng	Section:	Stormwater	PO# (Suffix/Line #):	Comments/Notes:	

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: \$0.00

# Prime and Subcontractor Utilization Summary

			Federal Tax ID# /	Firm Type /		Original Utilization	Utilization	<b>Previous Amount</b>	Amount Earned	Amount	Balance
	Name / Address	Contact Information	Expiration Date	DAX Vendor #	Contract Scope	Amount / Percentage	Amount /	Earned To Date	This Invoice	Earned	Remaining
E	ЕМН&Т	Name: Sandy Doyle Ahern			Task A1 - Task A10						
	5500 New Albany Road	email: sdoyleahern@emht.com	31-0685594	MAJ	-	\$1,564,459.65				\$ -	\$ 1,564,459.65
PRIME	Columbus, OH 43054	phone: (614) 775- 4510	1/19/2020	004214	-						
					-	61.88%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
1	DLZ				Task A1 - Task A2					_	
<b>B</b>			31-1268980	MBE	Task A4 - Task A7	\$373,605.74				\$ -	\$ 373,605.74
SUB			2/28/2020	004939	Tasl A9 - Task A10						
					-	14.78%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
7	DHDC				Task A2	<b>***</b>				Φ.	<b>21</b> 455 40
SUB			32-0376762	MBE	-	\$21,466.48				\$ -	\$ 21,466.48
SI			6/30/2021	006280	-	2 274	## ## ## ## ## ## ## ## ## ## ## ## ##				
	D I ( )				- m 1 4 1	0.85%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
3	Resource International		21 0660702	EDE	Task A1	¢10,505,40				¢	¢ 10.505.40
SUB			31-0669793	FBE	Task A8	\$18,585.40				\$ -	\$ 18,585.40
S			1/25/2020	004197	-	0.740/	#D1//01	0.000/	0.000/	0.000/	100.00%
	Ascension Construction				Task A2	0.74%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
4	Ascension Construction		82-3075877	MBE	Task A2 Task A6	\$25,981.38				\$ -	\$ 25,981.38
SUB			11/13/2019	023827	Task A7	\$25,761.36				Ф -	φ 23,961.36
$\mathbf{z}$			11/13/2019	023627	Task A9 - Task A10	1.03%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
	Doetsch Industiral Serivces Inc				Task A3	1.03/0	#51770:	0.0070	0.0070	0.0070	100.00%
w	Joeisen maasman serivees me	i	38-2321717	MAJ	- Tusk 715	\$524,047.00				\$ -	\$ 524,047.00
SUB			2/15/2021	1417 13	_	Ψ321,017.00				Ψ	Ψ 321,017.00
$\infty$			2/13/2021	028633	-	20.7%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
				020033	-	22.11		0.0070	0.0070	0.0070	100.0070
9 8					-	\$0.00				\$ -	\$ -
SUB					-	·					
					-	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
					-		, , , , , , , , , , , , , , , , , , ,				
3.7					-	\$0.00				\$ -	\$ -
SUB					-						
					-	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
							-				
	Last Updated By:				TOTAL AMOUNT	\$2,528,145.64		\$ -	\$ -	\$ -	\$ 2,528,145.64
	Last Updated On:	4/22/2019			Total Percentage	100.00%	#DIV/0!	0.00%	0.00%	0.00%	100.00%

	TNON	SCHEDULE :	` '							
1 CITY: COLUMBIA OF		LEKING COS	T SUMMARY  2. CIP NO.: 610910-1	00001	3. VERSION:					
			CT NO:	50001						
		5. PROJECT TIT		4/16/2019						
	N1:	Franklinton Area Stormwater System Improvements								
6. ADDRESS:		7. TYPE OF CONTRACT:								
	nad	7. TYPE OF CONTRACT: DIRECT HOURLY w/MULTIPLIER								
· · · · · · · · · · · · · · · · · · ·										
Columbus, Off 430.	Y: COLUMBUS, OHIO PT. OF PUBLIC UTILITIES ME OF CONSULTANT: IH&T DRESS: 10 New Albany Road lumbus, OH 43054  EECT LABOR (DL)  LABOR CATEGORY Principal (PR) Project Enginee (SPE) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Engineering Technician (ET) Senior Registered Surveyor (SRS) Registered Surveyor (SRS) Registered Surveyor (SS) Senior Environmental Scientist (S Environmental Scientist (ES) Clerical (CL)  TAL LABOR + PROFIT (ITEM8 +ITEM9)(or 1+Indirect HER DIRECT COSTS (ODC) Travel  MILEAGE RAT ESTIMATED MILE Equipment, materials, supplies (from Schedule 2A-2) shole Inspection Reports TV Logs ernal Hard Drives oorts  Subcontracts Z DC ource International ension  Other (Specify categories) ver Cleaning chole Inspections (DLZ)		1		Γ					
8 DIRECT LABOR (DL)	LABOR CATEGORY	EST. HRS.	MAX HOURLY RATE	TOTALS						
, ,	Principal (PR)	0	105.00	\$0.00						
		618	63.00	\$38,934.00						
		718	56.00	\$40,208.00						
	<u> </u>	914 138	40.00 37.00	\$36,560.00 \$5,106.00						
		392	32.00	\$12,544.00						
	* '	0	65.00	\$0.00						
		180	28.00	\$5,040.00						
		8	53.00	\$424.00						
		8	43.00	\$344.00						
		32	54.00	\$1,728.00						
		28 36	35.00	\$980.00						
	Ciencai (CL)	30	25.00	\$900.00	<b>** ** ** ** ** ** ** **</b>					
		Change and Va		DL TOTAL:	\$142,768.00					
		Overhead & Administrative		Indirect Cost Multiplier						
9 Indirect Labor		(a)	Profit (b)	(a+b)+(a*b)						
) muncet Labor		1.7123	0.1	1.98353						
		11,120		lirect Labor +Profit Total	\$283,184.61					
10 TOTAL LABOR + PROF	TT (ITEM8 +ITEM9)(or 1+Indirect Co	ost Multiplier)		(Line 7 + Line 8)	\$425,952.61					
		1 /		EST. COST						
a. Travel	MILEAGE RATE= ESTIMATED MILES =	\$0.58 350		\$203.00						
			Travel Subtotal:	\$203.00						
				EST. COST \$2,593.50						
CCTV Logs				\$2,496.00						
External Hard Drives				\$172.00						
Reports				154.28						
			E, M & S Subtotal:	\$5,415.78						
c. Subcontracts				EST. COST						
DLZ				\$244,904.71						
DHDC				\$21,466.48						
Ascension				\$18,585.40 \$25,981.38						
1 100011011			Subcontracts Subtotal:	\$310,937.96						
d. Other (Specify categor	ries)			EST. COST						
Sewer Cleaning & CCTV				\$478,978.25						
Inlet Inspections				\$0.00						
Inlet Cleaning  Manhola Inspections (DI	7)			\$60,000.00 \$111,125,00						
Manhole Inspections (DL Manhole Cleaning	L)			\$111,125.00 \$20,000.00						
ic cicumitg			Other Subtotal:	\$670,103.25						
				COSTS (ODC) TOTAL:	\$986,659.99					
				COSTS (Item 10+11) =	\$1,412,612.60					
12			<del>-</del>		\$303,447.45					
			Linear foot Heavy C	leaning "If Authorized" =	Ψ303,447.43					
3			Linear foot Heavy C		\$6,250.00					
3			Sonde I	ocated "If Authorized" =						
3 4 5			Sonde I Maintenance of	ocated "If Authorized" = Traffic "If Authorized" =	\$6,250.00 \$25,000.00					
3 4 5 6			Sonde I  Maintenance of  Flow	Located "If Authorized" =  Traffic "If Authorized" =  Control "If Authorized" =	\$6,250.00 \$25,000.00 \$50,000.00					
3 4 5 6 7	Integration of Ren	ick Run/East Frank	Sonde I  Maintenance of  Flow of  Special		\$6,250.00 \$25,000.00 \$50,000.00 \$524,047.0					
3 4 5 6	Integration of Ren	ick Run/East Frank	Sonde I  Maintenance of  Flow 0  Special	Located "If Authorized" =  Traffic "If Authorized" =  Control "If Authorized" =	\$6,250.00					

#### **SCHEDULE 2A (1) ENGINEERING COST SUMMARY** If Authorized Modeling Services 2. CIP NO.: 610910-100001 1. CITY: COLUMBUS, OHIO 3. VERSION: 4/164/2019 DEPT. OF PUBLIC UTILITIES CT NO: 4. NAME OF CONSULTANT: 5. PROJECT TITLE: EMH&T Franklinton Area Stormwater System Improvements 6. ADDRESS: 7. TYPE OF CONTRACT: 5500 New Albany Road DIRECT HOURLY w/MULTIPLIER Columbus, OH 43054 8 DIRECT LABOR (ILABOR CATEGORY EST. HRS. HOURLY I TOTALS Principal (PR) 105.00 0 \$0.00 Project Manager (PM) 24 \$1,512.00 63.00 Senior Project Enginee (SPE) 200 56.00 \$11,200.00 Project Engineer (PE) 40.00 \$3,360.00 84 Design Engineer (DE) 37.00 \$0.00 CAD Operator (D1) \$0.00 32.00 2-Man Field Crew (2FC) 65.00 \$0.00 \$0.00 Engineering Technician (ET) 28.00 Senior Registered Surevyor (SRS) 53.00 \$0.00 Registered Surveyor (RS) \$0.00 43.00 Senior Environmental Scientist (SES) \$0.00 54.00 Environmental Scientist (ES) 35.00 \$0.00 Clerical (CL) 25.00 \$0.00 DL TOTAL: \$16,072.00 Indirect Cost Overhead & Administrative Profit Multiplier (a+b)+(a\*b)9 Indirect Labor (b) (a) 1.7123 1.98353 0.1 Indirect Labor +Profit Total \$31,879.29 10 TOTAL LABOR + PROFIT (ITEM8 +ITEM9)(or 1+Indirect Cost Multiplier) (Line 7 + Line 8) \$47,951.29 EST. COST 11 OTHER DIRECT COSTS (ODC) a. Travel MILEAGE RATE= \$0.58 \$23.20 ESTIMATED MILES = 40 Travel Subtotal: \$23.20 b. Equipment, materials, supplies (from Schedule 2A-2) EST. COST E, M & S Subtotal: \$0.00 EST. COST c. Subcontracts DLZ \$17,552.83 Subcontracts Subtotal: \$17,552.83 d. Other (Specify categories) EST. COST Other Subtotal: \$0.00 OTHER DIRECT COSTS (ODC) TOTAL: \$17,576.03 \$65,527.33 TOTAL COSTS (Item 10 + 11) = 12

I. CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES  4. NAME OF CONSULTANT: DLZ  5. PROJECT TITLE: Franklinton Area Stormwater Syste  6. ADDRESS: 6121 Huntley Road Columbus, OH 43229  HOURLY  THE OF CONTRACT: HOURLY W/MULTIPLIE	3. VERSION: 4/16/2019 m Improvements
DEPT. OF PUBLIC UTILITIES  4. NAME OF CONSULTANT: DLZ  5. PROJECT TITLE: Franklinton Area Stormwater System  7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLING Columbus, OH 43229	4/16/2019
<ul> <li>NAME OF CONSULTANT: DLZ</li> <li>ADDRESS: Franklinton Area Stormwater System of Columbus, OH 43229</li> <li>PROJECT TITLE: Franklinton Area Stormwater System of Columbus OF CONTRACT: DIRECT HOURLY W/MULTIPLIE</li> </ul>	
DLZ TITLE: Franklinton Area Stormwater Syste  6. ADDRESS: 7. TYPE OF CONTRACT: 6121 Huntley Road DIRECT HOURLY W/MULTIPLII Columbus, OH 43229	m Improvements
6. ADDRESS: 6121 Huntley Road Columbus, OH 43229  7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIE	m Improvements
6121 Huntley Road Columbus, OH 43229  DIRECT HOURLY W/MULTIPLII	
Columbus, OH 43229	FD
	LK.
	EXTENDED
8. <b>DIRECT LABOR</b> : EST. HRS. RATE SUBTOTAL	TOTAL
PR - Principal 47 \$96.00 \$4,512.00	
PM- Project Manager 207 \$65.00 \$13,455.00	
PE - Project Engineer         376         \$45.00         \$16,920.00	
DE- Design Engineer         700         \$35.00         \$24,500.00	
D1 - CAD Operator 456 \$35.00 \$15,960.00	
2FC-2 Man Field Crew         70         \$70.00         \$4,900.00	
FT-Field Technician 0 \$40.00 \$0.00	
RS- Registered Surveyor         24         \$50.00         \$1,200.00	
CL - Clerical 0 \$30.00 \$0.00	<b>401.447.00</b>
DIRECT LABOR TOTAL:	\$81,447.00
9. Overhead & Indirect Cost &	
Administrative Profit Multiplier	EXTENDED
INDIRECT LABOR: (a) Profit (b) $(a+b)+(a*b)$	TOTALS
1.65 0.13 2.00	
INDIRECT LABOR + PROFIT TOTAL:	\$162,877.71
TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or	
10. 1 + Indirect Cost & Profit Multiplier):	\$244,324.71
11. OTHER DIRECT COSTS: EST. COST	
a. TRAVEL	
MILEAGE: 1000 miles x \$ (.58) / mile \$580.00	
TDAVEL CUDTOTAL \$590.00	
a. TRAVEL SUBTOTAL: \$580.00	
b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) EST. COST	
b. Equivility, writerals, serreles (EMS)	
b. EMS SUBTOTAL: \$0.00	
c. SUBCONTRACTS EST. COST	
\$0.00	
\$0.00	
\$0.00	
\$0.00	
c. SUB SUBTOTAL: \$0.00	
d. OTHER (Specify categories) EST. COST	
\$0.00	
<b>                                     </b>	
\$0.00	
\$0.00 d. OTHER SUBTOTAL: \$0.00	\$580.00
d. OTHER SUBTOTAL: \$0.00	\$244,904.71
d. OTHER SUBTOTAL: \$0.00  e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):  12. TOTAL COST (item 10 + 11)	
d. OTHER SUBTOTAL: \$0.00  e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):  12. TOTAL COST (item 10 + 11)  13. (If Authorized; Name of sub & amount if not performed by prime.)	\$0.00
d. OTHER SUBTOTAL: \$0.00  e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):  12. TOTAL COST (item 10 + 11)  13. (If Authorized; Name of sub & amount if not performed by prime.)  14. (If Authorized; Name of sub & amount if not performed by prime.)	\$0.00 \$0.00
d. OTHER SUBTOTAL: \$0.00  e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):  12. TOTAL COST (item 10 + 11)  13. (If Authorized; Name of sub & amount if not performed by prime.)	\$244,904.71 \$0.00 \$0.00 \$0.00
d. OTHER SUBTOTAL: \$0.00  e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):  12. TOTAL COST (item 10 + 11)  13. (If Authorized; Name of sub & amount if not performed by prime.)  14. (If Authorized; Name of sub & amount if not performed by prime.)	\$0.00 \$0.00

	ENG	SCHEDUL INEERING CO	` /	MARY	
		Authorized Mo			
1.	CITY COLUMBUS, OHIO	Tutiorized ivio		610910-100001	3. VERSION:
	,	7.0			
4.	DEPT. OF PUBLIC UTILITII NAME OF CONSULTANT:	5. PROJECT	CT NO.:		4/16/2019
7.	DLZ	TITLE:	Franklinto	on Area Stormwater	System Improvements
6.	ADDRESS:	7. TYPE OF CO			
	6121 Huntley Road Columbus, OH 43229			OURLY W/MULTI	PLIER
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
٥.		8 8	-	\$768.00	EXTENDED TOTAL
	PR - Principal	24	\$96.00 \$65.00		
	PM- Project Manager PE - Project Engineer	78	\$45.00	\$1,560.00 \$3,510.00	
	DE- Design Engineer	78	\$35.00	\$3,510.00	
	D1 - CAD Operator		\$35.00	\$0.00	
	2FC-2 Man Field Crew		\$70.00	\$0.00	
	FT-Field Technician		\$40.00	\$0.00	
	RS- Registered Surveyor		\$50.00	\$0.00	
	CL - Clerical		\$30.00		
	CL - Cleffedi	ı		LABOR TOTAL:	\$5,838.00
9.		Overhead &		Indirect Cost &	12,722.2.2
		Administrative		Profit Multiplier	EXTENDED TOTALS
	INDIRECT LABOR:	(a) 1.65	Profit (b)	(a + b) + (a * b)	EXTENDED TOTALS
		2.00			
				PROFIT TOTAL:	\$11,674.83
10.		TOTAL LA	ABOR + PRO	OFIT COSTS (item	\$17,512.83
11.	OTHER DIRECT COSTS: a. TRAVEL			EST. COST	
	MILEAGE: 1000 miles x	\$ (.58) / mile		\$40.00	
		a. TRAVEL S	SUBTOTAL:	\$40.00	
	b. EQUIPMENT, MATERIALS	EST. COST			
		. 77.00			
	2337 2 2 3 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7	b. EMS S	SUBTOTAL:	\$0.00	
	c. SUBCONTRACTS			EST. COST \$0.00	
				\$0.00 \$0.00	
				\$0.00	
				\$0.00	
		c. SUB S	SUBTOTAL:	\$0.00	
	d. OTHER (Specify categories)			EST. COST	
				\$0.00	
				\$0.00	
	mom: x o====	d. OTHER S		\$0.00	* * ^ ~ ~
12		R DIRECT COST	IS TOTAL (i	items a through d):	\$40.00
12.	TOTAL COST (item $10 + 11$ )				\$17,552.83

	ENGD	SCHEDULE	` '	7	
1	CITY COLUMBUS, OHIO	NEERING COS		610910-100001	3. VERSION:
	DEPT. OF PUBLIC UTILITIES		CT NO.:	010910-100001	4/16/2019
	NAME OF CONSULTANT:	5. PROJECT	CI NO		4/10/2019
	Resource International	TITLE:	Franklinton As	area Stormwater Sys	tem Improvements
-	ADDRESS:	7. TYPE OF CO		area Stormwater Sys	tem improvements
	6350 Presidential Parkway	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		RLY W/MULTIPL	IER
	Columbus, OH 43231				
			HOURLY		EXTENDED
	DIRECT LABOR:	EST. HRS.	RATE	SUBTOTAL	TOTAL
	PR - Principal	34	\$91.94 \$75.82	\$367.76 \$2,577.88	
	PM- Project Manager PE - Project Engineer	0	\$47.76	\$2,377.88	
	DE- Design Engineer	0	\$38.81	\$0.00	
	Senior Environmental Scientist (SES)	10	\$55.71	\$557.10	
	Environmental Scientist	60	\$43.33	\$2,599.80	
	D1 - CAD Operator	0	\$31.64	\$0.00	
	2FC-2 Man Field Crew FT-Field Technician	0	\$59.11 \$27.72	\$0.00 \$0.00	
	RS- Registered Surveyor	0	\$50.75	\$0.00	
	CL - Clerical	0	\$25.67	\$0.00	
				LABOR TOTAL:	<b>4</b>
9.		Overhead &		Indirect Cost &	
		Administrative		Profit Multiplier	EXTENDED
	INDIRECT LABOR:	(a)	Profit (b)	(a+b)+(a*b)	TOTALS
	INDIRECT LABOR:	1.50	0.15	1.88	1
				<i>PROFIT</i> TOTAL:	, ,
10.	TOTAL	L LABOR + <i>PROF</i>	•	8 + item 9) (or 1 + Profit Multiplier):	
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL MILEAGE: 70 miles x \$0.58 (IRS ra	/ mile	\$40.60		
		a. TRAV	EL SUBTOTAL:	\$40.60	
	b. EQUIPMENT, MATERIALS, SUPPLIES	S (EMS)		EST. COST	
	Environmental Database Report			\$1,000.00	
		b. El	MS SUBTOTAL:	\$1,000.00	
	c. SUBCONTRACTS			EST. COST	1
				\$0.00	
				\$0.00	
				\$0.00	
		c S	UB SUBTOTAL:	\$0.00 \$0.00	
		<b>c.</b> 5	eb sebieine.	Ψ0.00	
	d. OTHER (Specify categories)			EST. COST	1
				\$0.00	
				\$0.00	
			ER SUBTOTAL:	\$0.00	
12	e. TOTAL O TOTAL COST (item 10 + 11)	THER DIRECT C	OSTS TOTAL (i	tems a through d):	
	,				\$18,585.40
	(If Authorized; Name of sub & amount if not				\$0.00
	(If Authorized; Name of sub & amount if not				\$0.00
	(If Authorized; Name of sub & amount if not	performed by prime	e.)		\$0.00
16.	CONTINGENCY (%)				\$0.00
	MAXIMUM FEE (items 12 through 16)				\$18,585.40

		SCHEDULE	` '		
		INEERING CO			A VEDGLON
1.	CITY COLUMBUS, OHIO		2. CIP NO.:	610910-100001	3. VERSION:
	DEPT. OF PUBLIC UTILITIES		CT NO.:		4/16/2019
4.	NAME OF CONSULTANT: DHDC	5. PROJECT TITLE:	Franklinton A	Area Stormwater Syste	m Improvements
6.	ADDRESS:	7. TYPE OF CO	ONTRACT:		
	2390 Advance Business Columbus, OH 43228		DIRECT HOU	RLY W/MULTIPLII	ER
			HOURLY		EXTENDED
8.	DIRECT LABOR:	EST. HRS.	RATE	SUBTOTAL	TOTAL
	PM- Project Manager	12	\$45.00	\$540.00	
	PE - Project Engineer D1 - CAD Operator	2	\$43.00 \$35.00	\$172.00 \$70.00	
	FT-Field Technician	24	\$30.00	\$70.00	
	CL - Clerical	1	\$25.00	\$25.00	
				CT LABOR TOTAL:	\$1,527.00
9.		Overhead &		Indirect Cost & Profit	. ,
		Administrative		Multiplier (a	
	INDIDECT I ADOD.	(a)	Profit (b)	+b) + (a * b)	TOTALS
	INDIRECT LABOR:	1.25	0.30	1.93	
					44.040.40
				+ PROFIT TOTAL:	\$2,939.48
10	TO	TAL LABOR + <i>PRO</i>	•	em 8 + item 9) (or 1 +	\$4.4CC.40
10.			Indirect Cost	& Profit Multiplier):	\$4,466.48
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL  MILEAGE: # miles x \$ (IRS rate @	date of travel) / mi	le	\$0.00	
		a. TRAV	EL SUBTOTAL:	\$0.00	
	b. EQUIPMENT, MATERIALS, SUPPLIE	ES (EMS)		EST. COST	
	(List itemized breakdown below or o		penses)	\$0.00	
		b. El	MS SUBTOTAL:	\$0.00	
	c. SUBCONTRACTS			EST. COST	
	Traffic Control - Policemand and Cruise	r \$800 per day (If r	needed)	\$4,000.00	
				\$0.00	
				\$0.00 \$0.00	
		c. S	UB SUBTOTAL:	\$4,000.00	
				ψ .,σσσ.σσ	
	d. OTHER (Specify categories)			EST. COST	
	SUE Level A; Ten (10) potholes at \$1,3	00 each		\$13,000.00	
				\$0.00	
			ER SUBTOTAL:	\$13,000.00	
		OTHER DIRECT	COSTS TOTAL	(items a through d):	\$17,000.00
12.	TOTAL COST (item 10 + 11)				\$21,466.48
13.	(If Authorized; Name of sub & amount if no	ot performed by prim	ne.)		\$0.00
14.	(If Authorized; Name of sub & amount if no	ot performed by prin	ne.)		\$0.00
15.	(If Authorized; Name of sub & amount if no	ot performed by prin	ne.)		\$0.00
16.	CONTINGENCY (%)				\$0.00
17.	MAXIMUM FEE (items 12 through 16)				\$21,466.48

	ENG	SCHEDUL INEERING CO	` '	RY						
1.	CITY COLUMBUS, OHIO		2. CIP NO.:	610910-100001	3. VERSION:					
	DEPT. OF PUBLIC UTILITIES		CT NO.:		4/16/2019					
4.	NAME OF CONSULTANT:	5. PROJECT	011(0).		1/10/2019					
	Ascension Construction Solutions	TITLE:		Franklinton Area Stormwater System Improvements						
6.	ADDRESS: 419 E. 13th Ave. Columbus, OH 43201	7. TYPE OF CO	PLIER							
	,		HOURLY							
8.	DIRECT LABOR:	EST. HRS.	RATE	SUBTOTAL	EXTENDED TOTAL					
	Project Manager Project Engineer	106 94	\$52.00 \$37.50							
			DIREC	 T LABOR TOTAL:	\$9,037.00					
9.		Overhead &		Indirect Cost &						
		Administrative	<b>5</b> (1) (1)	Profit Multiplier	EXTENDED TOTALS					
	INDIRECT LABOR:	(a) 1.50	Profit (b) 0.15	(a+b) + (a*b) 1.88						
				+ <i>PROFIT</i> TOTAL:	\$16,944.38					
10.	1			TS (item 8 + item 9)	·					
11.	OTHER DIRECT COSTS:	. ,								
	a. TRAVEL  MILEAGE: # miles x \$ (IRS 1  AIRFARE:	\$0.00 \$0.00 \$0.00								
	b. EQUIPMENT, MATERIALS, SUI	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) EST. COST								
	(List itemized breakdown below	or on Schedule 2A	A-2 Expenses)	\$0.00						
				\$0.00 \$0.00						
	c. SUBCONTRACTS									
	0. 502001.1141012			EST. COST \$0.00						
				\$0.00						
				\$0.00 \$0.00						
		c. SI	UB SUBTOTAL:	\$0.00						
	d. OTHER (Specify categories)			EST. COST						
	u. Official (speein) categories)			\$0.00						
				\$0.00						
	moral o		ER SUBTOTAL:	\$0.00						
12.	TOTAL COST (item 10 + 11)	THER DIRECT (	COSTS TOTAL	(items a through d):	<b>\$0.00</b> \$25,981.38					
12. 13.	(If Authorized; Name of sub & amoun	t if not performed	by prime.)		\$25,981.38					
14.	(If Authorized; Name of sub & amount				\$0.00					
15.	(If Authorized; Name of sub & amoun				\$0.00					
16.	CONTINGENCY (%)	1.6			\$0.00					
17.	MAXIMUM FEE (items 12 through	16)			\$25,981.38					

# SCHEDULE 2B MAXIMUM LABOR RATES 2019 - 2021

# FRANKLINTON STORMWATER IMPROVEMENTS

# CIP NO. 610910-100001, CONTRACT No. XXXX

ЕМН&Т	Position Description	Max Hourly Rate 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
	Principal (PR)	\$105.00	\$110.25	\$115.76
	Project Manager (PM)	\$63.00	\$66.15	\$69.46
	Senior Project Engineer	\$56.00	\$58.80	\$61.74
	Project Engineer (PE)	\$40.00	\$42.00	\$44.10
	Design Engineer (DE)	\$37.00	\$38.85	\$40.79
		·	·	<u> </u>
	CAD Operator (D1)	\$32.00	\$33.60	\$35.28
	2-Man Field Crew (2FC)	\$65.00	\$68.25	\$71.66
	Engineering Technician (ET)	\$28.00	\$29.40	\$30.87
	Senior Registered Surevyor (SRS)	\$53.00	\$55.65	\$58.43
	Registered Surveyor (RS)	\$43.00	\$45.15	\$47.41
	Senior Environmental Scientist	\$54.00	\$56.70	\$59.54
	Environmental Scientist	\$35.00	\$36.75	\$38.59
	Clerical (CL)	\$25.00	\$26.25	\$27.56
	Ciericai (CL)	\$25.00	\$20.23	\$27.50
LZ	Labor Categories	Max Hourly 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
	Principal (PR)	\$96.00	\$100.80	\$105.84
	Project Manager (PM)	\$65.00	\$68.25	\$71.66
	Project Engineer (PE)	\$45.00	\$47.25	\$49.61
	Design Engineer (DE)	\$35.00	\$36.75	\$38.59
	CAD Operator (D1)	\$35.00	\$36.75	\$38.59
	2-Man Field Crew (2FC)	\$70.00	\$73.50	\$ <i>77</i> .18
	Engineering Technician (ET)	\$40.00	\$42.00	\$44.10
	Registered Surveyor (RS)	\$50.00	\$52.50	\$55.13
	Clerical (CL)	\$30.00	\$31.50	\$33.08
Resource	Labor Categories	Max Hourly 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
			,	
	Principal (PR)	\$91.94	\$96.54	\$101.36
	Principal (PR) Project Manager (PM)	\$91.94 \$75.82	\$96.54 \$79.61	\$101.36 \$83.59
	Project Manager (PM)	\$75.82	\$79.61	\$83.59
	Project Manager (PM) Project Engineer (PE)	\$75.82 \$47.76	\$79.61 \$50.15	\$83.59 \$52.66
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE)	\$75.82 \$47.76 \$38.81	\$79.61 \$50.15 \$40.75	\$83.59 \$52.66 \$42.79
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES)	\$75.82 \$47.76 \$38.81 \$55.71	\$79.61 \$50.15 \$40.75 \$58.50	\$83.59 \$52.66 \$42.79 \$61.42
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30
OHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021
DHDC	Project Manager (PM)  Project Engineer (PE)  Design Engineer (DE)  Sr. Environmental Specialist (SES)  Environmental Specialist (ES)  CAD Operator (D1)  2-Man Field Crew (2FC)  Field Technician (FT)  Registered Surveyor (RS)  Clerical (CL)  Labor Categories  Principal (PR)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00
DHDC	Project Manager (PM)  Project Engineer (PE)  Design Engineer (DE)  Sr. Environmental Specialist (SES)  Environmental Specialist (ES)  CAD Operator (D1)  2-Man Field Crew (2FC)  Field Technician (FT)  Registered Surveyor (RS)  Clerical (CL)  Labor Categories  Principal (PR)  Project Manager (PM)  Project Engineer (PE)  Design Engineer (DE)  CAD Operator (D1)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59
OHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00 \$35.00 \$0.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00 \$31.50	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00 \$33.08
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00 \$30.00 \$30.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00 \$31.50 \$0.00	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00 \$33.08 \$0.00
DHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00 \$35.00 \$0.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00 \$31.50	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00 \$33.08
OHDC	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00 \$35.00 \$0.00 \$30.00 \$25.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00 \$31.50 \$0.00	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00 \$33.08 \$0.00 \$27.56
	Project Manager (PM) Project Engineer (PE) Design Engineer (DE) Sr. Environmental Specialist (SES) Environmental Specialist (ES) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)  Labor Categories  Principal (PR) Project Manager (PM) Project Engineer (PE) Design Engineer (DE) CAD Operator (D1) 2-Man Field Crew (2FC) Field Technician (FT) Registered Surveyor (RS) Clerical (CL)	\$75.82 \$47.76 \$38.81 \$55.71 \$43.33 \$31.64 \$59.11 \$27.72 \$50.75 \$25.67 Max Hourly 2019 \$0.00 \$45.00 \$43.00 \$0.00 \$35.00 \$0.00 \$30.00 \$30.00	\$79.61 \$50.15 \$40.75 \$58.50 \$45.50 \$33.22 \$62.07 \$29.11 \$53.29 \$26.95 Max Hourly Rate 2020 \$0.00 \$47.25 \$45.15 \$0.00 \$36.75 \$0.00 \$31.50 \$0.00 \$26.25	\$83.59 \$52.66 \$42.79 \$61.42 \$47.77 \$34.88 \$65.17 \$30.56 \$55.95 \$28.30 Max Hourly Rate 2021 \$0.00 \$49.61 \$47.41 \$0.00 \$38.59 \$0.00 \$33.08 \$0.00

# SCHEDULE 2A-2 EXPENSES FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP NO, 61090-100001 CONTRACT #

FIRM: EMH&T (Infratechnologies)

			1 1107 1 10	=7.111∞1 (11111	. areemiereg.	001		
Task	Description							Cost
3	Manhole Inspection Reports	Sets:	2	Pages:	1995	Rate:	\$ 0.65	\$2,593.50
2	CCTV Logs	Sets:	2	Pages:	1920	Rate:	\$ 0.65	\$2,496.00
2	External Hard Drives	Each:	2	Pages:		Rate:	\$ 86.00	\$172.00
1	Reports	Each:	266	Pages:		Rate:	\$ 0.58	\$154.28
	Subtotal Expenses						·	\$5 <b>,</b> 415.78

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP NO.: 610910-100001

#### FIRM: EMH&T

TASK							LABOR	HOURS						
NO. ACTIVITY	PR	PM	SPE	PE	DE	D1	2FC	ET	SRS	RS	SES	ES	CL	TOTAL
A1 Review Existing Information		12	24	20	12	20								88
A2 Field Investigation		16	40	20	30	0	0	0	8	8	0	0	0	122
Perform field investigations, site visits, courthouse research and surveying		4			16				8	8				
Planning Level A SUE (10 Locations)		16		8										
Perform site visit and constructablity analysis for proposed design alternatives		8	30	16										
Investigate impacted properties and interview property owners to determine stormwater drainage issues		8	30		50									
A3 Sewer Cleaning and Televising		80				208								288
A4 Identifictation of Stormwater Problem Locations		30	50		20									100
A5 Hydrologic and Hydraulic Analysis	0	42	132	520	20	100	0	180	0	0	0	0	0	994
Develop Model		6	20	160		40		80						
Evaluate Existing System			20	160										
Summarize Hydraulic Adequacys of storm sewer, culvters, watercourses and drainage ditches in study area			20	60	20									
Evaluate Renick Run Pump Station		16		24										
Modeling of Project Alternatives		16	60	100				80						
Prepare Maps, figures, exhibits to support H&H Calculations, demonstrate flooding		4	12	16		60		20						
If Authorized: Integration of Renick Run/East Franklinton/Scioto Peninsula Model Areas	0	24	200	84	0	24	0	0	0	0	0	0	0	332
Existing Conditions Model Integration		8	120	40										
Account for Proposed Conditions in East Franklinton and Scioto Peninsula areas		4	60	40										
City Meeting and Final Report		12	20	4		24								
A6 Alternative Development and Evaluation	0	174	264	124	20	0	0	0	0	0	20	0	0	602
Develop/Refine Solutions Matrix		24	30	16										
Coordination with USACE to discuss feasibility of alterations to floodwall system		40	16											
Coordination with City regarding land and easement acquisition		30	12											
Preliminary Screening of Solutions		16	70	20							20			
Summary Memorandum Documenting Consensus		24	36	8										
Final Screening - Determine Project Costs and Flood Risk Reduction		16	60	40	20									
Develop Final Recommendation and Project Phasing		24	40	40										
A7 Draft and Final Preliminary Report	0	44	54	200	20	64	0	0	0	0	12	0	36	430
Prepare Draft Report		24	30	120	16	40					8		20	
Prepare Final Report		20	24	80	4	24					4		16	
A8 Environmental Assessment			4									16		20
A9 Project Coordination		40	30											70
A10 Progress Meetings, Reports and Schedules		180	120	30	16							12		358
Total Hours (w/o If Authorized)	0	618	718	914	138	392	0	180	8	8	32	28	36	3072

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS

CIP No.: 610910-100001

#### FIRM: DLZ

		FIRM: DLZ									
TASK	ACTIVITY					LABOR	HOURS				
NO.	ACIIVIII	PR	PM	PE	DE	D1	2FC	ET	RS	CL	TOTAL
<b>A</b> 1	Review Existing Information		4	40	160	40					244
<b>A2</b>	Field Investigation	1	23	72	104	60	70	0	24	0	354
	Perform field investigations, site visits, courthouse research and surveying	1	7			40	70		24		
	Planning Level SUE (10 Locations)										
	Perform site visit and constructablity analysis for proposed design alternatives		8	16	24	20					
	Investigate impacted properties and interview property owners to determine stormwater drainage issues		8	56	80						
А3	Sewer Cleaning and Televising									0	0
<b>A4</b>	Identifictation of Stormwater Problem Locations		8	8							16
A5	Hydrologic and Hydraulic Analysis	0	48	0	120	16	0	0	0	0	184
	Develop Model										
	Evaluate Existing System		20		40						
	Summarize Hydraulic Adequacys of storm sewer, culvters, watercourses and drainage ditches in study area		8		40						
	Evaluate Rennick Run Pump Station		20		40	8					
	Prepare Maps, figures, exhibits to support H&H Calculations, demonstrate flooding					8					
	If Authorized: Integration of Renick Run/East Franklinton/Scioto Peninsula Model Areas	8	24	78	0	0	0	0	0	0	110
	Existing Conditions Model Integration	4	8	40							
	Account for Proposed Conditions in East Franklinton and Scioto Peninsula areas	2	8	30							
	City Meeting and Final Report	2	8	8						0	
<b>A6</b>	Alternative Development and Evaluation	20	60	176	200	140	0	0	0	0	596
	Define alternatives for 1-, 2-, 5-, 10- and 100 year	4	40	40	80	80					
	Determine the extent of structural flooding			40		40					
	Evaluate Alternatives	8	8	40	80	20					
	Develop Recommendations	4	4	16	40						
	Prepare Construction Cost Estimates for each alternative	4	8	40	0						
A7	Draft and Final Preliminary Report	12	24	80	120	120	0	0	0	0	356
	Prepare Draft Report	8	16	60	80	80					
	Prepare Final Report	4	8	20	40	40				0	
A8	Environmental Assessment										
Α9	Project Coordination	10	20	20							50
A10	Progress Meetings, Reports and Schedules	4	28	28	20						80
	Total Hours (w/o If Authorized)	47	215	424	724	376	70	0	24	0	1880

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP No.: 610910-100001

#### FIRM: RESOURCE INTERNATIONAL

		FIRM: RESOU	IRCE INTERNA	AHONAL									
TASK	ACTIVITY			,			LABOR	HOURS	_		_		
NO.	ACHVIII	PR	PM	PE	DE	SES	ES	D1	2FC	FT	RS	CL	TOTAL
<b>A</b> 1	Review Existing Information	2	16										18
A2	Field Investigation	0	0	0	0	0	0	0	0	0	0	0	0
	Perform field investigations, site visits, courthouse research and surveying												
	Planning Level SUE (10 Locations)												
	Perform site visit and constructablity analysis for proposed design alternatives												
	Investigate impacted properties and interview property owners to determine stormwater drainage issues												
А3	Sewer Cleaning and Televising												0
A4	Identifictation of Stormwater Problem Locations												0
<b>A</b> 5	Hydrologic and Hydraulic Analysis	0	0	0	0	0	0	0	0	0	0	0	0
	Develop Model												
	Evaluate Existing System												
	Summarize Hydraulic Adequacys of storm sewer, culvters, watercourses and drainage ditches in study area												
	Evaluate Rennick Run Pump Station												
	Prepare Maps, figures, exhibits to support H&H Calculations, demonstrate flooding												
A6	Alternative Development and Evaluation	0	0	0	0	0	0	0	0	0	0	0	0
	Define alternatives for 1-, 2-, 5-, 10- and 100 year												
	Determine the extent of structural flooding												
	Evaluate Alternatives												
	Develop Recommendations												
	Prepare Construction Cost Estimates for each alternative												
A7	Draft and Final Preliminary Report	0	0	0	0	0	0	0	0	0	0	0	0
	Prepare Draft Report												
	Prepare Final Report												
A8	Environmental Assessment	2	18	0	0	10	60						90
A9	Project Coordination												
A10	Progress Meetings, Reports and Schedules												0
	Total Hours	4	34	0	0	10	60	0	0	0	0	0	108

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP No.: 610910-100001

FIRM: DHDC

TASK	A CTIVITY					LABOR	HOURS				
NO.	ACTIVITY	PR	PM	PE	DE	D1	2FC	FT	RS	CL	TOTAL
<b>A</b> 1	Review Existing Information	0	0	0	0	0	0	0	0	0	0
A2	Field Investigation	0	12	4	0	2	0	24	0	1	43
	Perform field investigations, site visits, courthouse research and surveying	0	0	0	0	0	0	0	0	0	
	Planning Level SUE (10 Locations)	0	12	4	0	2	0	24	0	1	
	Perform site visit and constructablity analysis for proposed design alternatives	0	0	0	0	0	0	0	0	0	
	Investigate impacted properties and interview property owners to determine stormwater drainage issues	0	0	0	0	0	0	0	0	0	
А3	Sewer Cleaning and Televising	0	0	0	0	0	0	0	0	0	0
A4	Identifictation of Stormwater Problem Locations	0	0	0	0	0	0	0	0	0	0
A5	Hydrologic and Hydraulic Analysis	0	0	0	0	0	0	0	0	0	0
	Develop Model	0	0	0	0	0	0	0	0	0	
	Evaluate Existing System	0	0	0	0	0	0	0	0	0	
	Summarize Hydraulic Adequacys of storm sewer, culvters, watercourses and drainage ditches in study area	0	0	0	0	0	0	0	0	0	
	Evaluate Rennick Run Pump Station	0	0	0	0	0	0	0	0	0	
	Prepare Maps, figures, exhibits to support H&H Calculations, demonstrate flooding	0	0	0	0	0	0	0	0	0	
A6	Alternative Development and Evaluation	0	0	0	0	0	0	0	0	0	0
	Define alternatives for 1-, 2-, 5-, 10- and 100 year	0	0	0	0	0	0	0	0	0	
	Determine the extent of structural flooding	0	0	0	0	0	0	0	0	0	
	Evaluate Alternatives	0	0	0	0	0	0	0	0	0	
	Develop Recommendations	0	0	0	0	0	0	0	0	0	
	Prepare Construction Cost Estimates for each alternative	0	0	0	0	0	0	0	0	0	
A7	Draft and Final Preliminary Report	0	0	0	0	0	0	0	0	0	0
	Prepare Draft Report	0	0	0	0	0	0	0	0	0	
	Prepare Final Report	0	0	0	0	0	0	0	0	0	
A8	Environmental Assessment	0	0	0	0	0	0	0	0	0	0
A9	Project Coordination	0	0	0	0	0	0	0	0	0	0
A8	Progress Meetings, Reports and Schedules	0	0	0	0	0	0	0	0	0	0
	Total Hours	0	12	4	0	2	0	24	0	1	43

### APPENDIX B - EMHT LABOR HOURS

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP No.: 610910-100001

#### FIRM: ASCENSION

TACK NO		ASCENSION				LABOR	HOURS				
TASK NO.	ACTIVITY	PR	PM	PE	DE	D1	2FC	FT	RS	CL	TOTAL
<b>A</b> 1	Review Existing Information	0	0	0	0	0	0	0	0	0	0
A2	Field Investigation	0	32	20	0	0	0	0	0	0	52
	Perform field investigations, site visits, courthouse research and surveying	0	0	0	0	0	0	0	0	0	
	Planning Level SUE (10 Locations)	0	0	0	0	0	0	0	0	0	
	Perform site visit and constructablity analysis for proposed design alternatives	0	32	0	0	0	0	0	0	0	
	Investigate impacted properties and interview property owners to determine stormwater drainage issues	0	0	20	0	0	0	0	0	0	
А3	Sewer Cleaning and Televising	0	0	0	0	0	0	0	0	0	0
A4	Identifictation of Stormwater Problem Locations	0	0	0	0	0	0	0	0	0	0
A5	Hydrologic and Hydraulic Analysis	0	0	0	0	0	0	0	0	0	0
	Develop Model	0	0	0	0	0	0	0	0	0	
	Evaluate Existing System	0	0	0	0	0	0	0	0	0	
	Summarize Hydraulic Adequacys of storm sewer, culvters, watercourses and drainage ditches in study area	0	0	0	0	0	0	0	0	0	
	Evaluate Rennick Run Pump Station	0	0	0	0	0	0	0	0	0	
	Prepare Maps, figures, exhibits to support H&H Calculations, demonstrate flooding	0	0	0	0	0	0	0	0	0	
A6	Alternative Development and Evaluation	0	16	64	0	0	0	0	0	0	80
	Define alternatives for 1-, 2-, 5-, 10- and 100 year	0	0	0	0	0	0	0	0	0	
	Determine the extent of structural flooding	0	0	0	0	0	0	0	0	0	
	Evaluate Alternatives	0	0	0	0	0	0	0	0	0	
	Develop Recommendations	0	0	0	0	0	0	0	0	0	
	Prepare Construction Cost Estimates for each alternative		16	64		0	0	0	0	0	
A7	Draft and Final Preliminary Report	0	10	10	0	0	0	0	0	0	20
	Prepare Draft Report	0	10	10		0	0	0	0	0	
	Prepare Final Report	0	0	0	0	0	0	0	0	0	
A8	Environmental Assessment	0	0	0	0	0	0	0	0	0	0
A9	Project Coordination	0	16	0	0	0	0	0	0	0	16
A10	Progress Meetings, Reports and Schedules	0	32	0	0	0	0	0	0	0	32
	Total Hours	0	106	94	0	0	0	0	0	0	200

# SCHEDULE 4 FRANKLINTON AREA STORMWATER SYSTEM IMPROVEMENTS CIP NO.: 610910-100001

#### COMBINED TEAM

					2011	DINED IEAM									
TASK	ACTIVITY	LABOR HOURS													
NO.	ACIIVIII	PR	PM	SPE	PE	DE	D1	2FC	ET	SRS	RS	SES	ES	CL	TOTAL
Al	Review Existing Information	2	32	24	60	172	60	0	0	0	0	0	0	0	350
A2	Field Investigation	1	83	40	116	134	62	70	24	8	32	0	0	1	<i>57</i> 1
А3	Sewer Cleaning and Televising	0	80	0	0	0	208	0	0	0	0	0	0	0	288
A4	Identifictation of Stormwater Problem Locations	0	38	50	8	20	0	0	0	0	0	0	0	0	116
A5	Hydrologic and Hydraulic Analysis	0	90	132	520	140	116	0	180	0	0	0	0	0	1178
A6	Alternative Development and Evaluation	20	250	264	364	220	140	0	0	0	0	20	0	0	1278
A7	Draft and Final Preliminary Report	12	78	54	290	140	184	0	0	0	0	12	0	36	806
A8	Environmental Assessment	2	18	4	0	0	0	0	0	0	0	10	76	0	110
Α9	Project Coordination	10	76	30	20	0	0	0	0	0	0	0	0	0	136
A10	Progress Meetings, Reports and Schedules	4	240	120	58	36	0	0	0	0	0	0	12	0	470
	Total Hours	51	985	718	1436	862	770	70	204	8	32	42	88	37	5303

# SCHEDULE 6 SEWER INSPECTION UNIT PRICE COST SUMMARY

1.	CITY:		2. CIP NO: 6100910-10001	3. VERSION:
	Dept. of Public Utilities			3/21/2019
4.	NAME OF SUBCONTRACTOR:	5. PROJECT	FITLE:	
	EMH&T Franklinton Ar		rea Stormwater System Improvements	
6.	ADDRESS:	7. TYPE OF C	CONTRACT:	
	5500 New Albany Road, Columbus, Ohio 43054			

			CCTV ONLY*	Sewer Clear	ning & CCTV	Sewer Heavy	Cleaning**	Hyjector	r Truck
8.	SEWER SIZE	Length	Unit Price	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
	D = Diamter (inches)	( feet )	( \$/ft )	( \$/ft )	(\$)	( \$/ft )	(\$)	( \$/ft )	(\$)
	15"	94						\$14.00	1,316.00
	24"	144						\$26.00	3,744.00
	30"	300						\$26.00	7,800.00
	36"	1252						\$40.00	50,080.00
4	48"	2478						\$70.00	173,460.00
	54"	1243						\$92.00	114,356.00
1	60"	706						\$110.00	77,660.00
,	72"	753						\$127.00	95,631.00
!	8" ≤ D ≤ 12"	22326	\$2.50	\$4.25	\$94,885.50	\$5.50	\$36,837.90		
	15" ≤ D ≤ 18"	20,463	\$2.50	\$4.00	\$81,852.00	\$7.50	\$46,041.75		
	20" ≤ D ≤ 27"	13,402	\$2.50	\$5.00	\$67,010.00	\$10.00	\$40,206.00		
	30" ≤ D < 36"	7,419	\$2.50	\$5.00	\$37,095.00	\$13.00	\$28,934.10		
,	36" ≤ D < 60"	11,586	\$3.00	\$6.00	\$69,516.00	\$15.00	\$52,137.00		
(	60" ≤ D < 84"	15,661	\$3.00	\$6.25	\$97,881.25	\$16.00	\$75,172.80		
?	D ≥ 84"	4,729	\$3.00	\$6.50	\$30,738.50	\$17.00	\$24,117.90		
=======================================		95,586		SubTotal:	\$478,978.25	SubTotal:	\$303,447.45	SubTotal:	\$524,047.00

9.	Allowances	Qty.	Unit	Unit Cost	Cost
	Flow Control (If Authorized)	1	LS	\$50,000.00	\$50,000.00
**	Heavy Cleaning (If Authorized)	47,793	LF	-	\$303,447.45
	Sonde Locates (If Authorized)	25	Each	\$250.00	\$6,250.00
	Catch Basin Cleaning	600	Each	\$100.00	\$60,000.00
	Catch Basin Inspection	0	Each	\$150.00	\$0.00
	Manhole Inspection	635	Each	\$175.00	\$111,125.00
	Manhole Cleaning	200	Each	\$100.00	\$20,000.00
	MOT	1	LS	\$25,000.00	\$25,000.00

<sup>\*</sup> CCTV-Only Unit rates to be provided for use on an as-needed basis. Do not tabulate costs since the purpose is only to establish unit rates for this service. Do not anticipate duplicate mobilizations, will perform either CCTV & Sewer Cleaning or CCTV only.

<sup>\*\*</sup> Assume Heavy Sewer Cleaning needed for 50% of the pipe length for each pipe diameter when establishing unit rates. For instances of excessive heavy cleaning, City PM should be contacted directly to discuss alternative billing options.

<sup>\*\*\*</sup> Inlet inspection & cleaning may be presented as either a combined unit rate, or as separate line items. Do not present as both cases.

# SCHEDULE 2B

# MAXIMUM LABOR RATES

# 2019 - 2021

# FRANKLINTON STORMWATER IMPROVEMENTS

# CIP NO. 610910-100001, CONTRACT No. XXXX

Firm: **DLZ** 

Labor Categories	Max Hourly 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
Principal (PR)	\$96.00	\$100.80	\$105.84
Project Manager (PM)	\$65.00	\$68.25	\$71.66
Project Engineer (PE)	\$45.00	\$47.25	\$49.61
Design Engineer (DE)	\$35.00	\$36.75	\$38.59
CAD Operator (D1)	\$35.00	\$36.75	\$38.59
2-Man Field Crew (2FC)	\$70.00	\$73.50	\$77.18
Engineering Technician (ET)	\$40.00	\$42.00	\$44.10
Registered Surveyor (RS)	\$50.00	\$52.50	\$55.13
Clerical (CL)	\$30.00	\$31.50	\$33.08

# SCHEDULE 2B

# MAXIMUM LABOR RATES

### 2019 - 2021

# FRANKLINTON STORMWATER IMPROVEMENTS

# CIP NO. 610910-100001, CONTRACT No. XXXX

Firm: **Resource International** 

Labor Categories	Max Hourly 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
Principal (PR)	\$91.94	\$96.54	\$101.36
Project Manager (PM)	\$75.82	\$79.61	\$83.59
Project Engineer (PE)	\$47.76	\$50.15	\$52.66
Design Engineer (DE)	\$38.81	\$40.75	\$42.79
Sr. Environmental Specialist (SES)	\$55.71	\$58.50	\$61.42
Environmental Specialist (ES)	\$43.33	\$45.50	\$47.77
CAD Operator (D1)	\$31.64	\$33.22	\$34.88
2-Man Field Crew (2FC)	\$59.11	\$62.07	\$65.1 <i>7</i>
Field Technician (FT)	\$27.72	\$29.11	\$30.56
Registered Surveyor (RS)	\$50.75	\$53.29	\$55.95
Clerical (CL)	\$25.67	\$26.95	\$28.30

# SCHEDULE 2B

# MAXIMUM LABOR RATES

2019 - 2021

# FRANKLINTON STORMWATER IMPROVEMENTS

# CIP NO. 610910-100001, CONTRACT No. XXXX

Firm: **DHDC** 

Labor Categories	Max Hourly 2019	Max Hourly Rate 2020	Max Hourly Rate 2021
Principal (PR)	\$0.00	\$0.00	\$0.00
Project Manager (PM)	\$45.00	\$47.25	\$49.61
Project Engineer (PE)	\$43.00	\$45.15	\$47.41
Design Engineer (DE)	\$0.00	\$0.00	\$0.00
CAD Operator (D1)	\$35.00	\$36.75	\$38.59
2-Man Field Crew (2FC)	\$0.00	\$0.00	\$0.00
Field Technician (FT)	\$30.00	\$31.50	\$33.08
Registered Surveyor (RS)	\$0.00	\$0.00	\$0.00
Clerical (CL)	\$25.00	\$26.25	\$27.56