

# UTILIZATION REPORTING FORM

## Project Detail Summary

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

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

	Name / Address	Contact Information	Federal Tax ID# / Expiration Date	Firm Type / DAX Vendor #	Contract Scope	Original Utilization Amount / Percentage	Utilization Amount /	Previous Amount Earned To Date	Amount Earned This Invoice	Amount Earned	Balance Remaining
<b>PRIME</b>	<b>EMH&amp;T</b> 5500 New Albany Road Columbus, OH 43054	<b>Name: Sandy Doyle Ahern</b> email: sdoyleahern@emht.com phone: (614) 775- 4510	31-0685594 1/19/2020	MAJ 004214	Task A1 - Task A10 - -	\$1,564,459.65  61.88%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 1,564,459.65 100.00%
<b>SUB 1</b>	<b>DLZ</b>		31-1268980 2/28/2020	MBE 004939	Task A1 - Task A2 Task A4 - Task A7 Task A9 - Task A10 -	\$373,605.74  14.78%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 373,605.74 100.00%
<b>SUB 2</b>	<b>DHDC</b>		32-0376762 6/30/2021	MBE 006280	Task A2 - -	\$21,466.48  0.85%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 21,466.48 100.00%
<b>SUB 3</b>	<b>Resource International</b>		31-0669793 1/25/2020	FBE 004197	Task A1 Task A8 -	\$18,585.40  0.74%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 18,585.40 100.00%
<b>SUB 4</b>	<b>Ascension Construction</b>		82-3075877 11/13/2019	MBE 023827	Task A2 Task A6 Task A7 Task A9 - Task A10	\$25,981.38  1.03%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 25,981.38 100.00%
<b>SUB 5</b>	<b>Doetsch Industiral Serivces Inc.</b>		38-2321717 2/15/2021	MAJ 028633	Task A3 - -	\$524,047.00  20.7%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 524,047.00 100.00%
<b>SUB 6</b>					- - -	\$0.00  0.0%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
<b>SUB 7</b>					- - -	\$0.00  0.0%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
	Last Updated By: M. Hebert				<b>TOTAL AMOUNT</b>	<b>\$2,528,145.64</b>	\$ -	\$ -	\$ -	\$ -	<b>\$ 2,528,145.64</b>
	Last Updated On: 4/22/2019				<b>Total Percentage</b>	<b>100.00%</b>	<b>#DIV/0!</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>100.00%</b>

**SCHEDULE 2A (1)  
ENGINEERING COST SUMMARY**

1. CITY: COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES		2. CIP NO. : 610910-100001 CT NO:		3. VERSION: 4/16/2019	
4. NAME OF CONSULTANT: <b>EMH&amp;T</b>		5. PROJECT TITLE: <b>Franklinton Area Stormwater System Improvements</b>			
6. ADDRESS: <b>5500 New Albany Road Columbus, OH 43054</b>		7. TYPE OF CONTRACT: <b>DIRECT HOURLY w/MULTIPLIER</b>			
8 DIRECT LABOR (DL)	LABOR CATEGORY	EST. HRS.	MAX HOURLY RATE	TOTALS	
	Principal (PR)	0	105.00	\$0.00	
	Project Manager (PM)	618	63.00	\$38,934.00	
	Senior Project Enginee (SPE)	718	56.00	\$40,208.00	
	Project Engineer (PE)	914	40.00	\$36,560.00	
	Design Engineer (DE)	138	37.00	\$5,106.00	
	CAD Operator (D1)	392	32.00	\$12,544.00	
	2-Man Field Crew (2FC)	0	65.00	\$0.00	
	Engineering Technician (ET)	180	28.00	\$5,040.00	
	Senior Registered Surevyor (SRS)	8	53.00	\$424.00	
	Registered Surveyor (RS)	8	43.00	\$344.00	
	Senior Environmental Scientist (SES)	32	54.00	\$1,728.00	
	Environmental Scientist (ES)	28	35.00	\$980.00	
	Clerical (CL)	36	25.00	\$900.00	
				DL TOTAL:	\$142,768.00
9 Indirect Labor	Overhead & Administrative (a)	Profit (b)	Indirect Cost Multiplier (a+b)+(a*b)		
	1.7123	0.1	1.98353		
	Indirect Labor +Profit Total				\$283,184.61
10 TOTAL LABOR + PROFIT (ITEM8 +ITEM9)(or 1+Indirect Cost Multiplier)				(Line 7 + Line 8)	\$425,952.61
11 OTHER DIRECT COSTS (ODC)				EST. COST	
a. Travel		MILEAGE RATE= \$0.58	ESTIMATED MILES = 350	\$203.00	
Travel Subtotal:				\$203.00	
b. Equipment, materials, supplies (from Schedule 2A-2)				EST. COST	
Manhole Inspection Reports				\$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	
Resource International				\$18,585.40	
Ascension				\$25,981.38	
Subcontracts Subtotal:				\$310,937.96	
d. Other (Specify categories)				EST. COST	
Sewer Cleaning & CCTV				\$478,978.25	
Inlet Inspections				\$0.00	
Inlet Cleaning				\$60,000.00	
Manhole Inspections (DLZ)				\$111,125.00	
Manhole Cleaning				\$20,000.00	
Other Subtotal:				\$670,103.25	
OTHER DIRECT COSTS (ODC) TOTAL:					\$986,659.99
12	TOTAL COSTS (Item 10+11) =				\$1,412,612.60
13	Linear foot Heavy Cleaning "If Authorized" =				\$303,447.45
14	Sonde Located "If Authorized" =				\$6,250.00
15	Maintenance of Traffic "If Authorized" =				\$25,000.00
16	Flow Control "If Authorized" =				\$50,000.00
17	Specialty Cleaning (Doestch) =				\$524,047.00
18	Integration of Renick Run/East Franklinton/Scioto Peninsula Models (If Authorized) =				\$65,527.33
18	CONTINGENCY (10%) =				\$141,261.26
19	TOTAL COST (sum of line 12 thru line 18)				\$2,528,145.64

**SCHEDULE 2A (1)  
ENGINEERING COST SUMMARY  
If Authorized Modeling Services**

1. CITY: COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES		2. CIP NO. : 610910-100001 CT NO:		3. VERSION: 4/164/2019	
4. NAME OF CONSULTANT: <b>EMH&amp;T</b>		5. PROJECT TITLE: <b>Franklinton Area Stormwater System Improvements</b>			
6. ADDRESS: <b>5500 New Albany Road Columbus, OH 43054</b>		7. TYPE OF CONTRACT: <b>DIRECT HOURLY w/MULTIPLIER</b>			
8 DIRECT LABOR (I)		LABOR CATEGORY	EST. HRS.	HOURLY I	TOTALS
		Principal (PR)	0	105.00	\$0.00
		Project Manager (PM)	24	63.00	\$1,512.00
		Senior Project Enginee (SPE)	200	56.00	\$11,200.00
		Project Engineer (PE)	84	40.00	\$3,360.00
		Design Engineer (DE)		37.00	\$0.00
		CAD Operator (D1)		32.00	\$0.00
		2-Man Field Crew (2FC)		65.00	\$0.00
		Engineering Technician (ET)		28.00	\$0.00
		Senior Registered Surevyor (SRS)		53.00	\$0.00
		Registered Surveyor (RS)		43.00	\$0.00
		Senior Environmental Scientist (SES)		54.00	\$0.00
		Environmental Scientist (ES)		35.00	\$0.00
		Clerical (CL)		25.00	\$0.00
					DL TOTAL:
					\$16,072.00
9 Indirect Labor		Overhead & Administrative (a)	Profit (b)	Indirect Cost Multiplier (a+b)+(a*b)	
		1.7123	0.1	1.98353	
		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
11 OTHER DIRECT COSTS (ODC)				EST. COST	
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	
c. Subcontracts				EST. COST	
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
12 TOTAL COSTS (Item 10 + 11) =					\$65,527.33

SCHEDULE 2A (1) ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 610910-100001 CT NO.:	3. VERSION: 4/16/2019	
4.	NAME OF CONSULTANT: DLZ	5. PROJECT TITLE: Franklinton Area Stormwater System Improvements		
6.	ADDRESS: 6121 Huntley Road Columbus, OH 43229	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	EXTENDED 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>DIRECT LABOR TOTAL:</b>			\$81,447.00
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.65	0.13	2.00
	<b>INDIRECT LABOR + PROFIT TOTAL:</b>			\$162,877.71
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>			<b>\$244,324.71</b>
11.	OTHER DIRECT COSTS:	EST. COST		
	a. TRAVEL MILEAGE: 1000 miles x \$ (.58) / mile	\$580.00		
	a. TRAVEL SUBTOTAL:	\$580.00		
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	EST. COST		
	b. EMS SUBTOTAL:	\$0.00		
	c. SUBCONTRACTS	EST. COST		
		\$0.00		
		\$0.00		
		\$0.00		
	c. SUB SUBTOTAL:	\$0.00		
	d. OTHER (Specify categories)	EST. COST		
		\$0.00		
		\$0.00		
	d. OTHER SUBTOTAL:	\$0.00		
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>			<b>\$580.00</b>
12.	TOTAL COST (item 10 + 11)			\$244,904.71
13.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
16.	CONTINGENCY ( ____%)			\$0.00
17.	<b>MAXIMUM FEE (items 12 through 16)</b>			<b>\$244,904.71</b>

**SCHEDULE 2A (1)  
ENGINEERING COST SUMMARY**

**If Authorized Modeling Services**

1.	<b>CITY COLUMBUS, OHIO</b> <b>DEPT. OF PUBLIC UTILITIES</b>	2. CIP NO. 610910-100001 <b>CT NO.:</b>	3. <b>VERSION:</b> 4/16/2019		
4.	<b>NAME OF CONSULTANT:</b> DLZ	5. <b>PROJECT TITLE:</b> Franklinton Area Stormwater System Improvements			
6.	<b>ADDRESS:</b> 6121 Huntley Road Columbus, OH 43229	7. <b>TYPE OF CONTRACT:</b> <b>DIRECT HOURLY W/MULTIPLIER</b>			
8.	<b>DIRECT LABOR:</b>	<b>EST. HRS.</b>	<b>HOURLY RATE</b>	<b>SUBTOTAL</b>	<b>EXTENDED TOTAL</b>
	PR - Principal	8	\$96.00	\$768.00	
	PM- Project Manager	24	\$65.00	\$1,560.00	
	PE - Project Engineer	78	\$45.00	\$3,510.00	
	DE- Design Engineer		\$35.00	\$0.00	
	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	\$0.00	
	<b>DIRECT LABOR TOTAL:</b>				\$5,838.00
9.	<b>INDIRECT LABOR:</b>	<b>Overhead &amp; Administrative (a)</b>	<b>Profit (b)</b>	<b>Indirect Cost &amp; Profit Multiplier (a + b) + (a * b)</b>	<b>EXTENDED TOTALS</b>
		1.65	0.13	2.00	
	<b>INDIRECT LABOR + PROFIT TOTAL:</b>				\$11,674.83
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + 9):</b>				<b>\$17,512.83</b>
11.	<b>OTHER DIRECT COSTS:</b>	<b>EST. COST</b>			
	a. TRAVEL MILEAGE: 1000 miles x \$ (.58) / mile	\$40.00			
	<b>a. TRAVEL SUBTOTAL:</b>				\$40.00
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	<b>EST. COST</b>			
	<b>b. EMS SUBTOTAL:</b>				\$0.00
	c. SUBCONTRACTS	<b>EST. COST</b>			
	\$0.00				
	\$0.00				
	\$0.00				
	<b>c. SUB SUBTOTAL:</b>				\$0.00
	d. OTHER (Specify categories)	<b>EST. COST</b>			
	\$0.00				
	\$0.00				
	<b>d. OTHER SUBTOTAL:</b>				\$0.00
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>				<b>\$40.00</b>
12.	<b>TOTAL COST (item 10 + 11)</b>				<b>\$17,552.83</b>

SCHEDULE 2A (1) ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 610910-100001 CT NO.:	3. VERSION: 4/16/2019		
4.	NAME OF CONSULTANT: Resource International	5. PROJECT TITLE: Franklinton Aarea Stormwater System Improvements			
6.	ADDRESS: 6350 Presidential Parkway Columbus, OH 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	PR - Principal	4	\$91.94	\$367.76	
	PM- Project Manager	34	\$75.82	\$2,577.88	
	PE - Project Engineer	0	\$47.76	\$0.00	
	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	0	\$59.11	\$0.00	
	FT-Field Technician	0	\$27.72	\$0.00	
	RS- Registered Surveyor	0	\$50.75	\$0.00	
	CL - Clerical	0	\$25.67	\$0.00	
	<b>DIRECT LABOR TOTAL:</b>				\$6,102.54
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.50	0.15	1.88	
	<b>INDIRECT LABOR + PROFIT TOTAL:</b>				\$11,442.26
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>				<b>\$17,544.80</b>
11.	OTHER DIRECT COSTS:	EST. COST			
	a. TRAVEL MILEAGE: 70 miles x \$0.58 (IRS rate @ date of travel) / mile				\$40.60
	a. TRAVEL SUBTOTAL:				\$40.60
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) Environmental Database Report	EST. COST			\$1,000.00
	b. EMS SUBTOTAL:				\$1,000.00
	c. SUBCONTRACTS	EST. COST			\$0.00
					\$0.00
					\$0.00
	c. SUB SUBTOTAL:				\$0.00
	d. OTHER (Specify categories)	EST. COST			\$0.00
					\$0.00
	d. OTHER SUBTOTAL:				\$0.00
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>				<b>\$1,040.60</b>
12.	TOTAL COST (item 10 + 11)				\$18,585.40
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY ( ____%)				\$0.00
17.	MAXIMUM FEE (items 12 through 16)				<b>\$18,585.40</b>

**SCHEDULE 2A (1)  
ENGINEERING COST SUMMARY**

1.	<b>CITY COLUMBUS, OHIO</b> <b>DEPT. OF PUBLIC UTILITIES</b>	2. CIP NO.: 610910-100001 CT NO.:	3. VERSION: 4/16/2019		
4.	<b>NAME OF CONSULTANT:</b> DHDC	5. <b>PROJECT TITLE:</b> Franklinton Area Stormwater System Improvements			
6.	<b>ADDRESS:</b> 2390 Advance Business Columbus, OH 43228	7. TYPE OF CONTRACT: <b>DIRECT HOURLY W/MULTIPLIER</b>			
8.	<b>DIRECT LABOR:</b>	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	PM- Project Manager	12	\$45.00	\$540.00	
	PE - Project Engineer	4	\$43.00	\$172.00	
	D1 - CAD Operator	2	\$35.00	\$70.00	
	FT-Field Technician	24	\$30.00	\$720.00	
	CL - Clerical	1	\$25.00	\$25.00	
	<b>DIRECT LABOR TOTAL:</b>				<b>\$1,527.00</b>
9.	<b>INDIRECT LABOR:</b>	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.25	0.30	1.93	
	<b>INDIRECT LABOR + PROFIT TOTAL:</b>				<b>\$2,939.48</b>
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>				<b>\$4,466.48</b>
11.	<b>OTHER DIRECT COSTS:</b>	EST. COST			
	a. TRAVEL MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile				\$0.00
	a. TRAVEL SUBTOTAL:				\$0.00
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) (List itemized breakdown below or on Schedule 2A-2 Expenses)	EST. COST			\$0.00
	b. EMS SUBTOTAL:				\$0.00
	c. SUBCONTRACTS Traffic Control - Policemand and Cruiser \$800 per day (If needed)	EST. COST			\$4,000.00
					\$0.00
					\$0.00
					\$0.00
	c. SUB SUBTOTAL:				\$4,000.00
	d. OTHER (Specify categories) SUE Level A ; Ten (10) potholes at \$1, 300 each	EST. COST			\$13,000.00
					\$0.00
	d. OTHER SUBTOTAL:				\$13,000.00
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>				<b>\$17,000.00</b>
12.	<b>TOTAL COST (item 10 + 11)</b>				<b>\$21,466.48</b>
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY ( ____%)				\$0.00
17.	<b>MAXIMUM FEE (items 12 through 16)</b>				<b>\$21,466.48</b>

**SCHEDULE 2A (1)  
ENGINEERING COST SUMMARY**

1.	<b>CITY COLUMBUS, OHIO</b> <b>DEPT. OF PUBLIC UTILITIES</b>	2. CIP NO.: 610910-100001 CT NO.:	3. VERSION: 4/16/2019		
4.	<b>NAME OF CONSULTANT:</b> Ascension Construction Solutions	5. <b>PROJECT TITLE:</b> Franklinton Area Stormwater System Improvements			
6.	<b>ADDRESS:</b> 419 E. 13th Ave. Columbus, OH 43201	7. TYPE OF CONTRACT: <b>DIRECT HOURLY W/MULTIPLIER</b>			
8.	<b>DIRECT LABOR:</b>	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Project Manager	106	\$52.00	\$5,512.00	
	Project Engineer	94	\$37.50	\$3,525.00	
	<b>DIRECT LABOR TOTAL:</b>				\$9,037.00
9.	<b>INDIRECT LABOR:</b>	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.50	0.15	1.88	
	<b>INDIRECT LABOR + PROFIT TOTAL:</b>				\$16,944.38
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9)</b>				<b>\$25,981.38</b>
11.	<b>OTHER DIRECT COSTS:</b>			EST. COST	
	a. TRAVEL				
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile			\$0.00	
	AIRFARE:			\$0.00	
	a. TRAVEL SUBTOTAL:			\$0.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) (List itemized breakdown below or on Schedule 2A-2 Expenses)			EST. COST	
				\$0.00	
				\$0.00	
	b. EMS SUBTOTAL:			\$0.00	
	c. SUBCONTRACTS			EST. COST	
				\$0.00	
				\$0.00	
	c. SUB SUBTOTAL:			\$0.00	
	d. OTHER (Specify categories)			EST. COST	
				\$0.00	
				\$0.00	
	d. OTHER SUBTOTAL:			\$0.00	
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>				<b>\$0.00</b>
12.	<b>TOTAL COST (item 10 + 11)</b>				<b>\$25,981.38</b>
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY ( ____ %)				\$0.00
17.	<b>MAXIMUM FEE (items 12 through 16)</b>				<b>\$25,981.38</b>

**SCHEDULE 2B  
MAXIMUM LABOR RATES  
2019 - 2021**

**FRANKLINTON STORMWATER IMPROVEMENTS**

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

<b>EMH&amp;T</b>	<b>Position Description</b>	<b>Max Hourly Rate 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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
	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
<b>DLZ</b>	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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
<b>Resource</b>	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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	\$65.17
	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
<b>DHDC</b>	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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
<b>Ascension</b>	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	Project Manager (PM)	\$52.00	\$53.56	\$55.17
	Project Engineer (PE)	\$37.50	\$38.63	\$39.78

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

FIRM: EMH&T (Infratechnologies)

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							\$5,415.78

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

**FIRM: EMH&T**

TASK NO.	ACTIVITY	LABOR HOURS													
		PR	PM	SPE	PE	DE	D1	2FC	ET	SRS	RS	SES	ES	CL	TOTAL
<b>A1</b>	<b>Review Existing Information</b>		12	24	20	12	20								<b>88</b>
<b>A2</b>	<b>Field Investigation</b>		16	40	20	30	0	0	0	8	8	0	0	0	<b>122</b>
	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 constructability analysis for proposed design alternatives		8	30	16										
	Investigate impacted properties and interview property owners to determine stormwater drainage issues		8	30		50									
<b>A3</b>	<b>Sewer Cleaning and Televising</b>		80				208								<b>288</b>
<b>A4</b>	<b>Identifictation of Stormwater Problem Locations</b>		30	50		20									<b>100</b>
<b>A5</b>	<b>Hydrologic and Hydraulic Analysis</b>	0	42	132	520	20	100	0	180	0	0	0	0	0	<b>994</b>
	Develop Model		6	20	160		40		80						
	Evaluate Existing System			20	160										
	Summarize Hydraulic Adequacy of storm sewer, culverts, 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						
	<i>If Authorized:</i> Integration of Renick Run/East Franklinton/Scioto Peninsula Model Areas	0	24	200	84	0	24	0	0	0	0	0	0	0	<b>332</b>
	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								
<b>A6</b>	<b>Alternative Development and Evaluation</b>	0	174	264	124	20	0	0	0	0	0	20	0	0	<b>602</b>
	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										
<b>A7</b>	<b>Draft and Final Preliminary Report</b>	0	44	54	200	20	64	0	0	0	0	12	0	36	<b>430</b>
	Prepare Draft Report		24	30	120	16	40					8		20	
	Prepare Final Report		20	24	80	4	24					4		16	
<b>A8</b>	<b>Environmental Assessment</b>			4									16		<b>20</b>
<b>A9</b>	<b>Project Coordination</b>		40	30											<b>70</b>
<b>A10</b>	<b>Progress Meetings, Reports and Schedules</b>		180	120	30	16							12		<b>358</b>
	<b>Total Hours (w/o If Authorized)</b>	<b>0</b>	<b>618</b>	<b>718</b>	<b>914</b>	<b>138</b>	<b>392</b>	<b>0</b>	<b>180</b>	<b>8</b>	<b>8</b>	<b>32</b>	<b>28</b>	<b>36</b>	<b>3072</b>

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

**FIRM: DLZ**

TASK NO.	ACTIVITY	LABOR HOURS									
		PR	PM	PE	DE	D1	2FC	ET	RS	CL	TOTAL
<b>A1</b>	<b>Review Existing Information</b>		<b>4</b>	<b>40</b>	<b>160</b>	<b>40</b>					<b>244</b>
<b>A2</b>	<b>Field Investigation</b>	<b>1</b>	<b>23</b>	<b>72</b>	<b>104</b>	<b>60</b>	<b>70</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>354</b>
	Perform field investigations, site visits, courthouse research and surveying	1	7			40	70		24		
	Planning Level SUE (10 Locations)										
	Perform site visit and constructability analysis for proposed design alternatives		8	16	24	20					
	Investigate impacted properties and interview property owners to determine stormwater drainage issues		8	56	80						
<b>A3</b>	<b>Sewer Cleaning and Televising</b>										<b>0</b>
<b>A4</b>	<b>Identifictation of Stormwater Problem Locations</b>		<b>8</b>	<b>8</b>							<b>16</b>
<b>A5</b>	<b>Hydrologic and Hydraulic Analysis</b>	<b>0</b>	<b>48</b>	<b>0</b>	<b>120</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>184</b>
	Develop Model										
	Evaluate Existing System		20		40						
	Summarize Hydraulic Adequacy of storm sewer, culverts, 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					
	<b>If Authorized:</b> Integration of Renick Run/East Franklinton/Scioto Peninsula Model Areas	<b>8</b>	<b>24</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110</b>
	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							
<b>A6</b>	<b>Alternative Development and Evaluation</b>	<b>20</b>	<b>60</b>	<b>176</b>	<b>200</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>596</b>
	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						
<b>A7</b>	<b>Draft and Final Preliminary Report</b>	<b>12</b>	<b>24</b>	<b>80</b>	<b>120</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>356</b>
	Prepare Draft Report	8	16	60	80	80					
	Prepare Final Report	4	8	20	40	40					
<b>A8</b>	<b>Environmental Assessment</b>										
<b>A9</b>	<b>Project Coordination</b>	<b>10</b>	<b>20</b>	<b>20</b>							<b>50</b>
<b>A10</b>	<b>Progress Meetings, Reports and Schedules</b>	<b>4</b>	<b>28</b>	<b>28</b>	<b>20</b>						<b>80</b>
	<b>Total Hours (w/o If Authorized)</b>	<b>47</b>	<b>215</b>	<b>424</b>	<b>724</b>	<b>376</b>	<b>70</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>1880</b>



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

**FIRM: DHDC**

TASK NO.	ACTIVITY	LABOR HOURS									TOTAL
		PR	PM	PE	DE	D1	2FC	FT	RS	CL	
<b>A1</b>	<b>Review Existing Information</b>	0	0	0	0	0	0	0	0	0	0
<b>A2</b>	<b>Field Investigation</b>	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 constructability 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	
<b>A3</b>	<b>Sewer Cleaning and Televising</b>	0	0	0	0	0	0	0	0	0	0
<b>A4</b>	<b>Identifictation of Stormwater Problem Locations</b>	0	0	0	0	0	0	0	0	0	0
<b>A5</b>	<b>Hydrologic and Hydraulic Analysis</b>	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	
<b>A6</b>	<b>Alternative Development and Evaluation</b>	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	
<b>A7</b>	<b>Draft and Final Preliminary Report</b>	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	
<b>A8</b>	<b>Environmental Assessment</b>	0	0	0	0	0	0	0	0	0	0
<b>A9</b>	<b>Project Coordination</b>	0	0	0	0	0	0	0	0	0	0
<b>A8</b>	<b>Progress Meetings, Reports and Schedules</b>	0	0	0	0	0	0	0	0	0	0
	<b>Total Hours</b>	<b>0</b>	<b>12</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>1</b>	<b>43</b>

**APPENDIX B - EMHT  
LABOR HOURS**

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

**FIRM: ASCENSION**

TASK NO.	ACTIVITY	LABOR HOURS									
		PR	PM	PE	DE	D1	2FC	FT	RS	CL	TOTAL
<b>A1</b>	<b>Review Existing Information</b>	0	0	0	0	0	0	0	0	0	0
<b>A2</b>	<b>Field Investigation</b>	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 constructability 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	
<b>A3</b>	<b>Sewer Cleaning and Televising</b>	0	0	0	0	0	0	0	0	0	0
<b>A4</b>	<b>Identifictation of Stormwater Problem Locations</b>	0	0	0	0	0	0	0	0	0	0
<b>A5</b>	<b>Hydrologic and Hydraulic Analysis</b>	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	
<b>A6</b>	<b>Alternative Development and Evaluation</b>	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	
<b>A7</b>	<b>Draft and Final Preliminary Report</b>	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	
<b>A8</b>	<b>Environmental Assessment</b>	0	0	0	0	0	0	0	0	0	0
<b>A9</b>	<b>Project Coordination</b>	0	16	0	0	0	0	0	0	0	16
<b>A10</b>	<b>Progress Meetings, Reports and Schedules</b>	0	32	0	0	0	0	0	0	0	32
	<b>Total Hours</b>	0	106	94	0	0	0	0	0	0	200

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

**COMBINED TEAM**

TASK NO.	ACTIVITY	LABOR HOURS													
		PR	PM	SPE	PE	DE	D1	2FC	ET	SRS	RS	SES	ES	CL	TOTAL
A1	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	571
A3	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
A9	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
	<b>Total Hours</b>	<b>51</b>	<b>985</b>	<b>718</b>	<b>1436</b>	<b>862</b>	<b>770</b>	<b>70</b>	<b>204</b>	<b>8</b>	<b>32</b>	<b>42</b>	<b>88</b>	<b>37</b>	<b>5303</b>

**SCHEDULE 6  
SEWER INSPECTION UNIT PRICE COST SUMMARY**

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

8.	SEWER SIZE D = Diamter ( inches )	Length ( feet )	CCTV ONLY*	Sewer Cleaning & CCTV		Sewer Heavy Cleaning**		Hyjector Truck	
			Unit Price ( \$/ft )	Unit Price ( \$/ft )	Cost ( \$ )	Unit Price ( \$/ft )	Cost ( \$ )	Unit Price ( \$/ft )	Cost ( \$ )
	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
	48"	2478						\$70.00	173,460.00
	54"	1243						\$92.00	114,356.00
	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

\* 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.

\*\* 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.

\*\*\* 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**

	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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**

	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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	\$65.17
	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**

	<b>Labor Categories</b>	<b>Max Hourly 2019</b>	<b>Max Hourly Rate 2020</b>	<b>Max Hourly Rate 2021</b>
	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