

**SCHEDULE 2A**  
ENGINEERING COST SUMMARY

<b>SCHEDULE 2A</b>				
<b>ENGINEERING COST SUMMARY</b>				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670896-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: <b>Dynotec Inc.</b>	5. PROJECT TITLE:	2020 Division of Power Street Lighting Refugee Road	
6.	ADDRESS: 2931 E. Dublin Granville Rd, Suite 200 Columbus OH 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	<b>DIRECT LABOR:</b>	<b>EST. HRS.</b>	<b>HOURLY RATE</b>	<b>SUBTOTAL</b>
	Principal	0	\$83.20	\$0.00
	Project Manager	63	\$71.58	\$4,509.74
	Sr. Project Engineer	88	\$62.40	\$5,491.20
	Project Engineer	38	\$48.97	\$1,861.00
	Design Engineer	184	\$38.48	\$7,080.32
	Engineering Technician	16	\$34.32	\$549.12
	CAD Technician	0	\$26.78	\$0.00
	Clerical	6	\$24.96	\$149.76
	Registered Surveyor	100	\$52.00	\$5,200.00
	Field Person	100	\$35.36	\$3,536.00
<b>DIRECT LABOR TOTAL:</b>				<b>\$28,377.14</b>
9.	<b>INDIRECT LABOR:</b>	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		2.0568	0.10	2.36
<b>INDIRECT LABOR + PROFIT TOTAL:</b>				<b>\$67,040.42</b>
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>			<b>\$95,417.56</b>
11.	<b>OTHER DIRECT COSTS:</b>	<b>EST. COST</b>		
	a. TRAVEL MILEAGE: ( # miles x \$ (IRS rate @ date of travel) / mile) (See List of itemized Breakdown on Schedule 2A-2 Expenses)	\$144.90		
	a. TRAVEL SUBTOTAL:	\$144.90		
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) MATERIALS, SUPPLIES (See List of itemized Breakdown on Schedule 2A-2 Expenses)	EST. COST \$220.00		
	b. EMS SUBTOTAL:	\$220.00		
	c. SUBCONTRACTS	EST. COST		
	MAN Mapping	\$6,058.56		
	Sub #2 (provide separate Cost Summary)	\$0.00		
	Sub #3 (provide separate Cost Summary)	\$0.00		
	Sub #4 (provide separate Cost Summary)	\$0.00		
	c. SUB SUBTOTAL:	\$6,058.56		
	d. OTHER (Specify categories)	EST. COST		
		\$0.00		
	d. OTHER SUBTOTAL:	\$0.00		
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>	<b>\$6,423.46</b>		
12.	<b>TOTAL COST (item 10 + 11)</b>	<b>\$101,841.02</b>		
13.	<b>If Authorized; JMT( SUE) - 2 Holes</b>	<b>\$7,788.32</b>		
14.		\$0.00		
15.		\$0.00		
16.	<b>CONTINGENCY (10%)</b>	<b>\$10,184.10</b>		
17.	<b>MAXIMUM FEE (items 12 through 16)</b>	<b>\$119,813.43</b>		

**SCHEDULE 2A**  
ENGINEERING COST SUMMARY

<b>SCHEDULE 2A (1)</b>				
<b>ENGINEERING COST SUMMARY</b>				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670896-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: MAN Mapping	5. PROJECT TITLE:	2020 Division of Power Street Lighting Refugee Road	
6.	ADDRESS: 4090 Weaver Ct. Hilliard, OH 43026	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	<b>DIRECT LABOR:</b>	<b>EST. HRS.</b>	<b>HOURLY RATE</b>	<b>SUBTOTAL</b>
	Principal	3	\$66.50	\$199.50
	Project Manager	0	\$0.00	\$0.00
	Sr. Project Engineer	0	\$0.00	\$0.00
	Project Engineer	0	\$0.00	\$0.00
	Design Engineer	0	\$0.00	\$0.00
	Engineering Technician	21	\$39.89	\$837.69
	CAD Technician	18	\$29.55	\$531.90
	Clerical	2	\$29.55	\$59.10
	Surveyer	0	\$0.00	\$0.00
	Field Person	0	\$0.00	\$0.00
<b>DIRECT LABOR TOTAL:</b>				<b>\$1,628.19</b>
9.	<b>INDIRECT LABOR:</b>	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.83	0.10	2.11
<b>INDIRECT LABOR + PROFIT TOTAL:</b>				<b>\$3,440.37</b>
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>			<b>\$5,068.56</b>
11.	<b>OTHER DIRECT COSTS:</b>	<b>EST. COST</b>		
	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)	<b>EST. COST</b>		
	(List itemized breakdown below or on Schedule 2A-2 Expenses)	\$0.00		
		\$0.00		
		\$0.00		
	b. EMS SUBTOTAL:	\$0.00		
	c. SUBCONTRACTS	<b>EST. COST</b>		
	Sub #2 (provide separate Cost Summary)	\$0.00		
	Sub #2 (provide separate Cost Summary)	\$0.00		
	Sub #4 (provide separate Cost Summary)	\$0.00		
	c. SUB SUBTOTAL:	\$0.00		
	d. OTHER (Specify categories)	<b>EST. COST</b>		
	aircraft rental \$ 900.00/hr X 1.1 hrs	\$990.00		
	d. OTHER SUBTOTAL:	\$990.00		
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>	<b>\$990.00</b>		
12.	TOTAL COST (item 10 + 11)	\$6,058.56		
13.	If Authorize	\$0.00		
14.		\$0.00		
15.		\$0.00		
16.		\$0.00		
17.	<b>MAXIMUM FEE (items 12 through 16)</b>	<b>\$6,058.56</b>		

**SCHEDULE 2A**  
ENGINEERING COST SUMMARY

<b>SCHEDULE 2A (1)</b>				
<b>ENGINEERING COST SUMMARY</b>				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670896-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: JMT	5. PROJECT TITLE:	2020 Division of Power Street Lighting Refugee Road	
6.	ADDRESS: 2800 Corporate Exchange Dr., Suite 250, Columbus OH 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	<b>DIRECT LABOR:</b>	<b>EST. HRS.</b>	<b>HOURLY RATE</b>	<b>SUBTOTAL</b>
	Principal	1	\$95.00	\$95.00
	Project Manager	3	\$62.00	\$186.00
	SULS Crew Chief	4	\$45.00	\$180.00
	SULS Technician	4	\$28.00	\$112.00
	Professional Surveyor	0	\$69.50	\$0.00
	Survey Crew Chief	0	\$38.00	\$0.00
	Instrument Person	0	\$29.00	\$0.00
	Administrative Assistant	0	\$24.00	\$0.00
<b>DIRECT LABOR TOTAL:</b>				<b>\$573.00</b>
9.	<b>INDIRECT LABOR:</b>	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.53	0.10	1.79
<b>INDIRECT LABOR + PROFIT TOTAL:</b>				<b>\$1,024.12</b>
10.	<b>TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost &amp; Profit Multiplier):</b>			<b>\$1,597.12</b>
11.	<b>OTHER DIRECT COSTS:</b>	<b>EST. COST</b>		
	a. TRAVEL			
	MILEAGE: 160 x \$0.52 / mile	\$83.20		
	TRAFFIC CONTROL: \$2,500 / day estimated for 1 day	\$2,500.00		
	VACUUM EXCAVATION (7.01'-13'): \$1,500 / hole (assume 2 holes)	\$3,000.00		
	MEALS & LODGING: \$152 / day / person (min 2 people) ( 2 days)	\$608.00		
	a. TRAVEL SUBTOTAL:	\$6,191.20		
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	<b>EST. COST</b>		
	(List itemized breakdown below or on Schedule 2A-2 Expenses)	\$0.00		
		\$0.00		
	b. EMS SUBTOTAL:	\$0.00		
	c. SUBCONTRACTS	<b>EST. COST</b>		
	Sub #2 (provide separate Cost Summary)	\$0.00		
	Sub #4 (provide separate Cost Summary)	\$0.00		
	c. SUB SUBTOTAL:	\$0.00		
	d. OTHER (Specify categories)	<b>EST. COST</b>		
		\$0.00		
		\$0.00		
	d. OTHER SUBTOTAL:	\$0.00		
	<b>e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):</b>	<b>\$6,191.20</b>		
12.	TOTAL COST (item 10 + 11)	\$7,788.32		
13.	If Authorize	\$0.00		
14.		\$0.00		
15.		\$0.00		
16.		\$0.00		
17.	<b>MAXIMUM FEE (items 12 through 16)</b>	<b>\$7,788.32</b>		

## APPENDIX B LABOR HOURS

TASK NO.	ACTIVITY	LABOR HOURS											TOTAL
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		
1	Schedule	0	3	2	0	0	0	0	0	0	0	0	5
2	Meetings	0	8	0	6	0	0	0	0	0	0	0	14
3	Site Survey	0	0	0	0	0	0	0	0	100	100		200
4	Plan Preparation	0	40	64	16	172	16	0	6	0	0		314
5	Submission of Prints	0	0	16	16	0	0	0	0	0	0		32
6	Contract Documents	0	0	0	0	0	0	0	0	0	0		0
7	Services during Construction	0	6	0	0	0	0	0	0	0	0		6
8	Record Drawings	0	6	6	0	12	0	0	0	0	0		24
	Total Hours	0	63	88	38	184	16	0	6	100	100		595

\*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

## APPENDIX B LABOR HOURS

TASK NO.	ACTIVITY	LABOR HOURS											TOTAL	
		PR	PM	ET	CT	DE	ET	DR	CL	RS	FP			
1	Schedule													0
2	Meetings	3		21	18					2				44
3	Site Survey													0
4	Plan Preparation													0
5	Submission of Prints													0
6	Contract Documents													0
7	Services during Construction													0
8	Record Drawings													0
	Total Hours	3	0	21	18	0	0	0	2	0	0	0	0	44

\*If Authorized

PR - Principal

PM - Project Manager

ET - Eng. Technician

CT - CADD. Technician

CL - Clerical

## APPENDIX B LABOR HOURS

TASK NO.	ACTIVITY	LABOR HOURS											
		PR	PM	SUECC	ST							TOTAL	
1	Schedule		1										1
2	Meetings	1	2										3
3	Site Survey			4	4								8
4	Plan Preparation												0
5	Submission of Prints												0
6	Contract Documents												0
7	Services during Construction												0
8	Record Drawings												0
	Total Hours	1	3	4	4	0	0	0	0	0	0	0	12

\*If Authorized

PR - Principal

PM - Project Manager

SUECC- SALS Crew Chief

ST -SALS Technician

**SCHEDULE 2B  
MAXIMUM LABOR RATES  
2020 - 2022**

**PROJECT NAME  
CIP NO. 670896, 670898, 670902; CONTRACT No. XXXX**

	<b>Position Description</b>	<b>Hourly Rate 2020</b>	<b>Hourly Rate 2021</b>	<b>Hourly Rate 2022</b>
<b>Dynotec</b>	Principal	\$80.00	\$83.20	\$86.53
	Project Manager	\$68.83	\$71.58	\$74.45
	Senior Project Engineer	\$60.00	\$62.40	\$64.90
	Project Engineer	\$47.09	\$48.97	\$50.93
	Design Engineer	\$37.00	\$38.48	\$40.02
	Eng. Technician	\$33.00	\$34.32	\$35.69
	Drafter	\$25.75	\$26.78	\$27.85
	Clerical	\$24.00	\$24.96	\$25.96
	Registered Surveyor	\$50.00	\$52.00	\$54.08
	Field Person	\$34.00	\$35.36	\$36.77
<b>JMT</b>	Principal	\$95.00	\$99.75	\$104.74
	Project Manager	\$62.00	\$65.10	\$68.36
	SULS Crew Chief	\$45.00	\$47.25	\$49.61
	SULS Technician	\$28.00	\$29.40	\$30.87
	Professional Surveyor	\$69.50	\$72.98	\$76.62
	Survey Crew Chief	\$38.00	\$39.90	\$41.90
	Instrument Person	\$29.00	\$30.45	\$31.97
	Administrative Assistant	\$24.00	\$25.20	\$26.46
<b>MAN</b>	Principal	\$66.50	\$69.83	\$73.32
	Eng. Technician	\$39.89	\$41.88	\$43.98
	CAD Technician	\$29.55	\$31.03	\$32.58
	Clerical	\$29.55	\$31.03	\$32.58

**SCHEDULE 2A-2**  
**EXPENSES**  
**PROJECT NAME**  
**CIP NO. XXXXXX-XXXXXX, CONTRACT No. XXXX**

**SCHEDULE 2A-2**  
**2020 Division of Power Street Lighting - Refugee Road CIP No. 670896-100000**

Project (length)	Expense Description	Cost Breakdown						Cost
Refugee Rd (1.5 mi.)	Mileage	Trips	7	Miles	36	Rate:	\$ 0.575	\$144.90
		Subtotal - Mileage						<b>\$144.90</b>
Refugee Rd (1.5 mi.)	Materials - Hubs, Lathes & Pins, etc.			Sets:	1	Rate:	\$ 220.00	\$220.00
		Subtotal - Equipment, Materials, Supplies						<b>\$220.00</b>



## UTILIZATION REPORTING FORM

### Project Detail Summary

<b>Project A</b>	<b>Project Name:</b>	2020 Division of Power Streetlight Design - Refugee Rd.	<b>Department:</b>	Public Utilities	<b>Ordinance Number:</b>	2366-2020	<b>Invoice Number:</b>	
	<b>Project Number:</b>	670896-100000	<b>Division:</b>	DOP	<b>Purchase Order Amount:</b>	\$119,813.43	<b>Comments/Notes:</b>	
	<b>City PM and Phone Number:</b>	Scott Wolfe VOICE (614) 724-4351	<b>Section:</b>	Street Lighting	<b>PO# (Suffix/Line #):</b>			
<b>Project B</b>	<b>Project Name:</b>		<b>Department:</b>		<b>Ordinance Number:</b>		<b>Invoice Number:</b>	
	<b>Project Number:</b>		<b>Division:</b>		<b>Purchase Order Amount:</b>		<b>Comments/Notes:</b>	
	<b>City PM and Phone Number:</b>		<b>Section:</b>		<b>PO# (Suffix/Line #):</b>			
<b>Project C</b>	<b>Project Name:</b>		<b>Department:</b>		<b>Ordinance Number:</b>		<b>Invoice Number:</b>	
	<b>Project Number:</b>		<b>Division:</b>		<b>Purchase Order Amount:</b>		<b>Comments/Notes:</b>	
	<b>City PM and Phone Number:</b>		<b>Section:</b>		<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:** \$119,813.43

### Prime and Subcontractor Utilization Summary

	Name / Address	Contact Information	Federal Tax ID# / Expiration Date	Firm Type / DAX Vendor #	Contract Scope	Original Utilization Amount / Percentage	Revised Utilization Amount / Percentage	Previous Amount Earned To Date	Amount Earned This Invoice	Total Amount Earned	Balance Remaining
<b>PRIME</b>	Dynotec, Inc. 2931 E. Dublin- Granville Rd. Suite 200, Columbus, OH 43231	Sutha Vallipuram, PE <a href="mailto:suthav@dynotecinc.com">suthav@dynotecinc.com</a> Office: (614) 880 7320 Mobile: (614) 634 2051	31-1319961 No Expiration	MBE CC005053	PM, Lighting Roadway Survey & QA/QC	\$ 95,782.46				\$ -	\$ 95,782.46
						79.94%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
<b>SUB 1</b>	M.A.N Mapping Services, Inc (M.A.N ) 4090 Weaver Ct. Hilliard, OH 43026	Larry Mumford <a href="mailto:lmumford@manmapping.com">lmumford@manmapping.com</a> Office 614-876-3663	31-1198710 No Expiration	SBE CC004827	Aerial Mpping	\$ 6,058.56				\$ -	\$ 6,058.56
						5.06%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
<b>SUB 2</b>	Johnson, Mirmiran, Thompson, Inc. (JMT) 2800 Corporate Exchange Dr., Suite 250, Columbus, OH 43231	Josh Conley, PE <a href="mailto:jconley@jmt.com">jconley@jmt.com</a> Mobile: (740) 404-3114 Office: (614) 942-3666	52-0963531 No Expiration	MAJ CC009015	SUE/SUL - -	\$ 7,788.32				\$ -	\$ 7,788.32
						6.50%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
<b>SUB 3</b>					CONTINGENCY (10%) - -	\$ 10,184.10				\$ -	\$ 10,184.10
						8.50%	#DIV/0!	0.00%	0.00%	0.00%	100.00%
<b>SUB 4</b>					- - -	\$ -				\$ -	\$ -
						0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>SUB 5</b>					- - -	\$ -				\$ -	\$ -
						0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>SUB 6</b>					- - -	\$ -				\$ -	\$ -
						0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>SUB 7</b>					- - -	\$ -				\$ -	\$ -
						0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>LAST UPDATED BY:</b>						<b>TOTAL AMOUNT</b>	<b>\$ 119,813.43</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 119,813.43</b>
<b>LAST UPDATED ON:</b>						<b>Total Percentage</b>	<b>100.00%</b>	<b>#DIV/0!</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>