

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670902-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: Dynotec Inc.	5. PROJECT TITLE:	2020 Division of Power Street Lighting Small Circuits (CKT Nos. 247, 282, 327 & 707)	
6.	ADDRESS: 2931 E. Dublin Granville Rd, Suite 200 Columbus OH 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL
	Principal	0	\$83.20	\$0.00
	Project Manager	40	\$71.58	\$2,863.33
	Sr. Project Engineer	58	\$62.40	\$3,619.20
	Project Engineer	34	\$48.97	\$1,665.10
	Design Engineer	102	\$38.48	\$3,924.96
	Engineering Technician	24	\$34.32	\$823.68
	CAD Technician	0	\$26.78	\$0.00
	Clerical	6	\$24.96	\$149.76
	Registered Surveyor	60	\$52.00	\$3,120.00
	Field Person	60	\$35.36	\$2,121.60
	DIRECT LABOR TOTAL:			\$18,287.63
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		2.0568	0.10	2.36
		INDIRECT LABOR + PROFIT TOTAL:		
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$61,491.79
11.	OTHER DIRECT COSTS:		EST. COST	
	a. TRAVEL MILEAGE: (# miles x \$ (IRS rate @ date of travel) / mile) (See List of itemized Breakdown on Schedule 2A-2 Expenses)		\$304.75	
	a. TRAVEL SUBTOTAL:		\$304.75	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) MATERIALS, SUPPLIES (See List of itemized Breakdown on Schedule 2A-2 Expenses)		EST. COST \$420.00	
	b. EMS SUBTOTAL:		\$420.00	
	c. SUBCONTRACTS		EST. COST	
	MAN Mapping		\$7,335.07	
	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:		\$7,335.07	
	d. OTHER (Specify categories)		EST. COST	
			\$0.00	
			\$0.00	
	d. OTHER SUBTOTAL:		\$0.00	
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):			\$8,059.82
12.	TOTAL COST (item 10 + 11)			\$69,551.61
13.				\$0.00
14.				\$0.00
15.				\$0.00
16.	CONTINGENCY (10%)			\$6,955.16
17.	MAXIMUM FEE (items 12 through 16)			\$76,506.77

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1)				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670902-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: MAN Mapping	5. PROJECT TITLE:	2020 Division of Power Street Lighting Small Circuits (CKT Nos. 247, 282, 327 & 707)	
6.	ADDRESS: 4090 Weaver Ct. Hilliard, OH 43026	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL
	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	24	\$39.89	\$957.36
	CAD Technician	20	\$29.55	\$591.00
	Clerical	2	\$29.55	\$59.10
	Survyer	0	\$0.00	\$0.00
	Field Person	0	\$0.00	\$0.00
DIRECT LABOR TOTAL:				\$1,806.96
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.83	0.10	2.11
INDIRECT LABOR + PROFIT TOTAL:				\$3,818.11
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$5,625.07
11.	OTHER DIRECT COSTS:	EST. COST		
	a. TRAVEL			
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile	\$0.00		
	AIRFARE:	\$0.00		
	a. TRAVEL SUBTOTAL:	\$0.00		
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	EST. COST		
	(List itemized breakdown below or on Schedule 2A-2 Expenses)	\$0.00		
		\$0.00		
	b. EMS SUBTOTAL:	\$0.00		
	c. SUBCONTRACTS	EST. COST		
	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)	EST. COST		
	aircraft rental \$ 900.00/hr X 1.9 hrs	\$1,710.00		
	d. OTHER SUBTOTAL:	\$1,710.00		
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):	\$1,710.00		
12.	TOTAL COST (item 10 + 11)	\$7,335.07		
13.	If Authorize	\$0.00		
14.		\$0.00		
15.		\$0.00		
16.		\$0.00		
17.	MAXIMUM FEE (items 12 through 16)	\$7,335.07		

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ENGINEERING COST SUMMARY

SCHEDULE 2A (1)				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670902-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: JMT	5. PROJECT TITLE:	2020 Division of Power Street Lighting Small Circuits (CKT Nos. 247, 282, 327 & 707)	
6.	ADDRESS: 2800 Corporate Exchange Dr., Suite 250, Columbus, OH 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL
	Principal	0	\$95.00	\$0.00
	Project Manager	0	\$62.00	\$0.00
	SULS Crew Chief	0	\$45.00	\$0.00
	SULS Technician	0	\$28.00	\$0.00
	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
DIRECT LABOR TOTAL:				\$0.00
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.53	0.10	1.79
INDIRECT LABOR + PROFIT TOTAL:				\$0.00
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$0.00
11.	OTHER DIRECT COSTS:	EST. COST		
	a. TRAVEL			
	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	EST. COST		
	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)	EST. COST		
		\$0.00		
		\$0.00		
	d. OTHER SUBTOTAL:	\$0.00		
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):	\$0.00		
12.	TOTAL COST (item 10 + 11)	\$0.00		
13.	If Authorize	\$0.00		
14.		\$0.00		
15.		\$0.00		
16.		\$0.00		
17.	MAXIMUM FEE (items 12 through 16)	\$0.00		

APPENDIX B LABOR HOURS

TASK NO.	ACTIVITY	LABOR HOURS											TOTAL
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		
1	Schedule	0	2	2	0	0	0	0	0	0	0	0	4
2	Meetings	0	4	0	6	0	0	0	0	0	0	0	10
3	Site Survey	0	0	0	0	0	0	0	0	60	60		120
4	Plan Preparation	0	26	40	16	96	24	0	6	0	0		208
5	Submission of Prints	0	0	12	12	0	0	0	0	0	0		24
6	Contract Documents	0	0	0	0	0	0	0	0	0	0		0
7	Services during Construction	0	4	0	0	0	0	0	0	0	0		4
8	Record Drawings	0	4	4	0	6	0	0	0	0	0		14
	Total Hours	0	40	58	34	102	24	0	6	60	60		384

*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		24	20					2				49
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	24	20	0	0	0	0	2	0	0	0	49

*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												0
2	Meetings												0
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	0	0	0	0	0	0	0	0	0	0	0	0

*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**

	Position Description	Hourly Rate 2020	Hourly Rate 2021	Hourly Rate 2022
Dynotec	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
JMT	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
MAN	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 - Small Circuits CIP No. 670902-100000

Project (length)	Expense Description	Cost Breakdown						Cost
Small CKTs	Mileage	Trips	5	Miles	106	Rate:	\$ 0.575	\$304.75
							roo	\$304.75
Small CKTs	Materials - Hubs, Lathes & Pins, etc.			Sets:	1	Rate:	\$ 420.00	\$420.00
		Subtotal - Equipment, Materials, Supplies						\$420.00

UTILIZATION REPORTING FORM

Project Detail Summary

Project A	Project Name:	2020 Division of Power Streetlight Design - Small Circuits	Department:	Public Utilities	Ordinance Number:	2366-2020	Invoice Number:	
	Project Number:	670902-100000	Division:	DOP	Purchase Order Amount:	\$76,506.77	Comments/Notes:	
	City PM and Phone Number:	Scott Wolfe VOICE (614) 724-4351	Section:	Street Lighting	PO# (Suffix/Line #):			
Project B	Project Name:		Department:		Ordinance Number:		Invoice Number:	
	Project Number:		Division:		Purchase Order Amount:		Comments/Notes:	
	City PM and Phone Number:		Section:		PO# (Suffix/Line #):			
Project C	Project Name:		Department:		Ordinance Number:		Invoice Number:	
	Project Number:		Division:		Purchase Order Amount:		Comments/Notes:	
	City PM and Phone Number:		Section:		PO# (Suffix/Line #):			

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: \$76,506.77

Prime and Subcontractor Utilization Summary

	Name / Address	Contact Information	Federal Tax ID# / Expiration Date	Firm Type / DAX Vendor #	Contract Scope	Original Utilization Amount / Percentage	Revised Utilization Amount / Percentage	Previous Amount Earned To Date	Amount Earned This Invoice	Total Amount Earned	Balance Remaining
PRIME	Dynotec, Inc. 2931 E. Dublin- Granville Rd. Suite 200, Columbus, OH 43231	Sutha Vallipuram, PE suthav@dynotecinc.com Office: (614) 880 7320 Mobile: (614) 634 2051	31-1319961 No Expiration	MBE CC005053	PM, Lighting Roadway Survey & QA/QC	\$ 62,216.54 81.32%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 62,216.54 100.00%
SUB 1	M.A.N Mapping Services, Inc (M.A.N) 4090 Weaver Ct. Hilliard, OH 43026	Larry Mumford lmumford@manmapping.com Office 614-876-3663	31-1198710 No Expiration	SBE CC004827	Aerial Mpping	\$ 7,335.07 9.59%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 7,335.07 100.00%
SUB 2	Johnson, Mirmiran, Thompson, Inc. (JMT) 2800 Corporate Exchange Dr., Suite 250, Columbu,s OH 43231	Josh Conley, PE jconley@jmt.com Mobile: (740) 404-3114 Office: (614) 942-3666	52-0963531 No Expiration	MAJ CC009015	SUE/SUL - -	\$ - 0.00%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
SUB 3					CONTINGENCY (10%) - -	\$ 6,955.16 9.09%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 6,955.16 100.00%
SUB 4					- - -	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
SUB 5					- - -	\$ - 0.0%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
SUB 6					- - -	\$ - 0.0%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
SUB 7					- - -	\$ - 0.0%	#DIV/0!	#DIV/0!	#DIV/0!	\$ - #DIV/0!	\$ - #DIV/0!
	Last Updated By:				TOTAL AMOUNT	\$ 76,506.77	\$ -	\$ -	\$ -	\$ -	\$ 76,506.77
	Last Updated On:				Total Percentage	100.00%	#DIV/0!	0.00%	0.00%	0.00%	100.00%