

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670898-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: Dynotec Inc.	5. PROJECT TITLE:	2020 Division of Power Street Lighting Main Street CKT No. 157	
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	92	\$71.58	\$6,585.65
	Sr. Project Engineer	138	\$62.40	\$8,611.20
	Project Engineer	50	\$48.97	\$2,448.68
	Design Engineer	264	\$38.48	\$10,158.72
	Engineering Technician	20	\$34.32	\$686.40
	CAD Technician	0	\$26.78	\$0.00
	Clerical	10	\$24.96	\$249.60
	Registered Surveyor	152	\$52.00	\$7,904.00
	Field Person	150	\$35.36	\$5,304.00
DIRECT LABOR TOTAL:				\$41,948.25
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:				\$99,101.91
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$141,050.17
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)	\$165.60		
	a. TRAVEL SUBTOTAL:	\$165.60		
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS) MATERIALS, SUPPLIES (See List of itemized Breakdown on Schedule 2A-2 Expenses)	EST. COST \$360.00		
	b. EMS SUBTOTAL:	\$360.00		
	c. SUBCONTRACTS	EST. COST		
	MAN Mapping	\$8,415.90		
	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:	\$8,415.90		
	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):	\$8,941.50		
12.	TOTAL COST (item 10 + 11)	\$149,991.67		
13.	If Authorized; JMT(SUE) - 3 Holes	\$14,847.81		
14.		\$0.00		
15.		\$0.00		
16.	CONTINGENCY (10%)	\$14,999.17		
17.	MAXIMUM FEE (items 12 through 16)	\$179,838.64		

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1)				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 670898-100000	3. VERSION:1 8/24/2020	
4.	NAME OF CONSULTANT: MAN Mapping	5. PROJECT TITLE: 2020 Division of Power Street Lighting Main Street CKT No. 157		
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	29	\$39.89	\$1,156.81
	CAD Technician	25	\$29.55	\$738.75
	Clerical	2	\$29.55	\$59.10
	Surveyer	0	\$0.00	\$0.00
	Field Person	0	\$0.00	\$0.00
DIRECT LABOR TOTAL:				\$2,154.16
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:				\$4,551.74
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$6,705.90
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		
		\$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)	\$8,415.90		
13.	If Authorize	\$0.00		
14.		\$0.00		
15.		\$0.00		
16.		\$0.00		
17.	MAXIMUM FEE (items 12 through 16)	\$8,415.90		

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SCHEDULE 2A (1)				
ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.:	670898-100000	3. VERSION:1 8/24/2020
4.	NAME OF CONSULTANT: JMT	5. PROJECT TITLE:	2020 Division of Power Street Lighting Main Street CKT No. 157	
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	1	\$95.00	\$95.00
	Project Manager	3	\$62.00	\$186.00
	SULS Crew Chief	8	\$45.00	\$360.00
	SULS Technician	8	\$28.00	\$224.00
	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:			\$865.00
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:			\$1,546.01
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$2,411.01
11.	OTHER DIRECT COSTS:	EST. COST		
	a. TRAVEL			
	MILEAGE: 240 x \$0.52 / mile	\$124.80		
	TRAFFIC CONTROL: \$2,500 / day estimated for 3 days	\$7,500.00		
	VACUUM EXCAVATION (0'-7'): \$1,300 / hole (assume 3 holes)	\$3,900.00		
	MEALS & LODGING: \$152 / day / person (min 2 people) (3 days)	\$912.00		
	a. TRAVEL SUBTOTAL:	\$12,436.80		
	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 #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):			\$12,436.80
12.	TOTAL COST (item 10 + 11)			\$14,847.81
13.	If Authorize			\$0.00
14.				\$0.00
15.				\$0.00
16.				\$0.00
17.	MAXIMUM FEE (items 12 through 16)			\$14,847.81

APPENDIX B LABOR HOURS

TASK NO.	ACTIVITY	LABOR HOURS											TOTAL
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		
1	Schedule	0	4	2	0	0	0	0	0	0	0	0	6
2	Meetings	0	12	0	8	0	0	0	0	0	0	0	20
3	Site Survey	0	0	0	0	0	0	0	0	152	150		302
4	Plan Preparation	0	60	104	18	256	20	0	10	0	0		468
5	Submission of Prints	0	0	24	24	0	0	0	0	0	0		48
6	Contract Documents	0	0	0	0	0	0	0	0	0	0		0
7	Services during Construction	0	8	0	0	0	0	0	0	0	0		8
8	Record Drawings	0	8	8	0	8	0	0	0	0	0		24
	Total Hours	0	92	138	50	264	20	0	10	152	150		876

*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		29	25					2				59
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	29	25	0	0	0	2	0	0	0	0	59

*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			8	8								16
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	8	8	0	0	0	0	0	0	0	20

*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 - Main Street CIP No. 670898-100000

Project (length)	Expense Description	Cost Breakdown						Cost
		Trips		Miles		Rate:		
Main St. (2.5 mi.)	Mileage	12		24		\$ 0.575	\$165.60	
Subtotal - Mileage							\$165.60	
Main St. (2.5 mi.)	Materials - Hubs, Lathes & Pins, etc.			Sets: 1		Rate: \$ 360.00	\$360.00	
							\$0.00	
							\$0.00	
Subtotal - Equipment, Materials, Supplies							\$360.00	

UTILIZATION REPORTING FORM

Project Detail Summary

Project A	Project Name:	2020 Division of Power Streetlight Design - Main St.	Department:	Public Utilities	Ordinance Number:	2366-2020	Invoice Number:	
	Project Number:	670898-100000	Division:	DOP	Purchase Order Amount:	\$179,838.64	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: \$179,838.64

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	\$ 141,575.77 78.72%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 141,575.77 100.00%
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	\$ 8,415.90 4.68%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 8,415.90 100.00%
SUB 2	Johnson, Mirmiran, Thompson, Inc. (JMT) 2800 Corporate Exchange Dr., Suite 250, Columbus, OH 43231	Josh Conley, PE jconley@jmt.com Mobile: (740) 404-3114 Office: (614) 942-3666	52-0963531 No Expiration	MAJ CC009015	SUE/SUL - -	\$ 14,847.81 8.26%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 14,847.81 100.00%
SUB 3					CONTINGENCY (10%) - -	\$ 14,999.17 8.34%	#DIV/0!	0.00%	0.00%	\$ - 0.00%	\$ 14,999.17 100.00%
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	\$ 179,838.64	\$ -	\$ -	\$ -	\$ -	\$ 179,838.64
	Last Updated On:				Total Percentage	100.00%	#DIV/0!	0.00%	0.00%	0.00%	100.00%