

LED Lights for City Hall & Various Parking Lots RFP-RH-24-013	Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI 48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
Firm Established	1974	2014	2011	2015	2011	2004
Years in Business	50	10	13	9	13	20
Type of Organization	Corporation	Corporation	Corporation	Partnership	Corporation	Corporation
How many years providing LED lighting	Providing electrical 50 years/ numerous projects	Since 1992	Since 2011	Stated they have experience	13 years	20 years
Acknowledge the portion of City Hall is performed under the EECBG Program and will require the contractor to comply with all Davis Bacon Act requirements.	Yes, Acknowledged	Yes, Acknowledged	Yes, Acknowledged	Yes, Acknowledged	Yes, Acknowledged	Yes, Acknowledged
Provide three (3) current of completed projects	Dearborn Public Schools; Clarkston Schools; Redford Union High School	MTA Flint Retrofit; Battle Creek Air National Guard Base retrofit, over 100 Flagstar Bank branch retrofits	Macomb Township Lighting Replacement; Almost DDA Streetlight Project; Source One Metals LED Conversion	Axiom - Contracted as Electrical Contractor; US Customs & Border Protection - Indoor & Outdoor LED Lighting & Contracted as Electrical Contractor; City of Birmingham - 2020 Ice Arena LED Lighting	Dinsmore & Shohl, 100,000 renovation including all electrical components; Atkore Lighting Upgrade - complete building upgrade; Hampton Inn & Suites - provided all electrical components.	Rochester Hills DPS LED Replacement 2023; City of Berkley DPW refurbishment 2022; Flint MTU lighting retrofit 2021
How many full-time employees?	279 (incl 12 Field Electricians)	3	17	5	30	13
How many part-time employees?	0	2	0	0	0	0
Provide a work plan/methodology for project.	After contract award submittals and lead times on the order of the lighting package would be 6 wks from award. Would have one journeyman and 2 apprentice electricians on site for duration of project. Estimated 1000 budget hours or 3-4 months to complete.	Establish and maintain clear & effective communications between ELG and City's designated contact person(s). ELG insists on a pre-con meeting and regular (daily/weekly) updates so everyone is in full agreement & understand what areas ELG will be working in and what area will be next. Exterior lighting will be easier to as it does not affect many workers, but communication is paramount. A start date for project will be established once all materials have arrived. ELG likes to start within 48 hours of all materials onsite or available. Timeline for competition for interior lighting is 7 weeks or less; interior lighting controls is 10 days or less, and no more than 2 days for parking lot exterior lighting. ELG will work with client to plan the work areas ahead of time and establish a contingency plan in the event an area becomes unavailable. This format is very successful and awarded us projects in Michigan and across the nation.	Complete a full submittal package and email to city within 1 week of award. Upon approval, materials will be ordered and set up for delivery. RCI will assign a person to oversee the ordering and tracking of all fixtures. This same person will be responsible for obtaining all permits from the City. Once fixtures start to arrive, RCI will mobilize to the first location and proceed with a 4-man crew for the bulk of the work. The crew will include a site foreman who will be responsible for coordinating with City and maintaining all schedule requirements. City can direct RCI if they have an order of preference for the work to be completed. RCI will proceed with completing the work bwn 704 with exception of the lighting controls work which will be after hours. We are anticipating a 60 day job schedule from start to completion. Availability to start install is mid to late July (pending submittal & fixture lead time) with completion date of mid to late September.	Will obtain the necessary permits and make a plan with City's contact person. Will be sure to understand the work and activities of the location before starting the work and conduct their work around those activities. Will make sure they have adequate lighting even if they work is not yet completed and have an inspection fore moving onto the next building. Will utilize their lift throughout the project and use tempered hardboard to protect the floors at City Hall. Will rent a towable lift with small footprint to get around the back of the building. For parking lot lights they will use their own bucket truck. Plan on using a rubber wheel dumpster for debris and fixture disposal.	Pre-Installation: Coordinate and communicate (schedule meetings with stakeholders to align project timelines and responsibilities; communicate the installation plan with all team members; Installation: Safety Measures, Fixture Installation, Electrical Connections, Testing & Commissioning; Post Installation: Quality Assurance, Training & Handover, Cleanup, Support & Troubleshooting; Performance Monitoring Documentation: Keep detailed record of all stages of the project, document and changes or deviations from the original plan; Reporting - provide regular process report to stakeholders; submit a final project report upon completion, highlighting key achievements and lessons learned. This ensures a systematic and efficient approach to LET lighting installation, focusing on quality, safety and client satisfaction.	After Final Approvals and Contract Award Submittals and approvals as necessary Order fixtures, controls, etc. & confirm lead times/ETD Based upon material ETD, coordinate with City and any weather dependent items, provide roll out plan Intention is complete areas or sections of areas if required for ongoing operations, in weekly intervals. Current fixtures lead time is 4-6 weeks on average Tech Electric can deploy sufficient resources with 2 weeks notice to compete in 6 to 8 weeks.
What percentage of business is commercial?	100%	100%	95%	98%	80%	100%
What percentage of business is residential?	0%	0%	5%	2%	20%	0%
What is the status of your current workload?	Currently comfortable	Easily accept the project and complete in the timeline provided	Booking 6 weeks ahead. Have a few projects nearing completion, anticipate deploying crew for this project mid to late July	Steady	Current work load is within standard reason. Team is ready for a target start date for Q2 & Q3. Estimate viability to start on 6/24/2024 and complete in 6 weeks.	Various projects are at different stages at any given time resulting in a straight time capacity of 80 to 100%. Any gaps are filled by preventative and elective work with flexible scheduling. Upon award resources will e reserved for this project in a timely manner.
Describe resources you are capable of bringing to the City.	Aim to improve the services through technology change and enhancements, changing to adopt best practices in the industry and implementing process improvements through customer input and feedback. Day to day point of contacts will be Allied Project Managers who will communicate directly with Charter Township of Canton Project Managers.	ELG provided the contacts and their responsibilities for the project.	Will provide decades of knowledge and experience to City. Provided contacts of who will be assigned.	Will work with LampMaster to recycle the fluorescent lamps. Will place the lamps from the fixtures into boxes from LampMaster and have them picked up. LampMaster arranges for the boxes to be picked up and shipped to them for recycling.	Provided two staff bios 1) Director of Construction and 2J) Field Foreman	Tech Electric with it's partners Interactive Energies and Pro-Tech Controls can bring to bear staff with many years experience in Lighting, Electrical and Construction fields. Key staff names & titles provided.
Will subcontractors be utilized for this contract? If so, list.	Not planning on using subcontractors	ELG will manage the project but will use electricians provided by Essential Electric, LLC.	No. RCI will handle all aspects including using their own lifts and equipment. No equipment will be rented.	No subcontractors will be used.	No subcontractors will be used.	Will utilize Pro-Tech Controls, an authorized Crestron Dealer, to program and integrated he turn-key controls solution for the City Hall lighting

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Have you been involved in a State of MI building complaint.	N/A	No	No	No	No	No
Have you been involved in any litigation during past five (5) years.	N/A	No	No	No	No	No
Provide warranty information on new materials/products.	Cut sheets provided but no warranty info included	10 year warranty on most materials provided by manufacturer or ELG as noted on each measure. Two (2) year warranty on labor workmanship ELG will be the point of contact for any and all warranty claims on materials. ELC will facilitate all warranties as specified on the product specs sheets.	Warranty are provided on the cost sheets and product spec sheets provided. RCI's standard one-year warranty on the complete installation will begin upon the date of acceptance by the City. Lighting controls warranty is attached in separate pdf.	See specification sheets included in RFP.	Standard Warranties provided by manufacturers	Refer to specifications sheets for warranties
Specify any exceptions, substitutions or deviations	N/A	None	None	We matched the best we could to original design	N/A	Believes their solution meets the full intent of the requirements
Can you meet insurance requirements?	Yes	Yes	Yes	Yes	Yes	Yes
Preferred Payment Method.	Check	ACH	ACH	ACH	ACH	ACH

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		Allied Building Services Company of Detroit	Expert Lighting Group	RCI Electrical Contracting	Smart Lighting, LLC	State Electric Company	Tech Electric Company
		1801 Howard Street Detroit, MI 48216	798 Masters Rochester Hills, MI 48307	2195 Imlay City Road Lapeer, MI 48446	1061 John R Road Rochester Hills, MI 48307	15045 Dixie Hwy Suite A Holly, MI 48442	16177 Leone Drive Macomb, MI 48042
1A	Pricing Proposal						
1.1	4' Linear 2LT8 / Fixture Ct: 576 / RETROFIT BULBS						
	Interior Hanging Trough Lights in Department Areas						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
	Model	S39915	39498 - LED14BDT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
	Wattage	Wattage: 14W / Voltage: 277	14W / 120/277	10.5W / 277	17W / 120/277	32W / 12W / 277	10.5W / 120/277
	Lumens per watt	L/W: 128 / Color: 4100K	128.6 / 4100	157/4100K	129 / 400K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
	Bulb Quantity	1,152					
	Unit Cost	\$8.40	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
	Total Cost of LED Lights as Proposed above:	\$9,676.80	\$6,393.60	\$9,607.68	\$15,540.48	\$4,953.60	\$8,709.12
1.2	4' Linear 1LT5 / Fixture Ct: 8 / RETROFIT BULBS						
	Bathroom Fixtures						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T5
	Model	S289691	93100294G - LED25BDT5/G4/840	L12T5D440	S39718	576215	L12T5DE440
	Wattage	13 / 277	25 / 120/277	12W / 277	25W / 120-277	28W / 14W / 277	10.5W / 120/277
	Lumens per watt	127 / 4100k	140W+E1 / 4100	125-133/4100K	132 / 4000K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Non-Dimmable		Dimmable	
	Bulb Quantity	8					
	Unit Cost	\$16.00	\$15.01	\$15.54	\$15.60	\$8.96	\$16.45
	Total Cost of LED Lights as Proposed above:	\$128.00	\$120.08	\$124.32	\$124.80	\$71.68	\$131.60
1.3	4' Linear 2LT8 / Fixture Ct: 48 / RETROFIT BULBS						
	Interior Offices; recessed in ceiling; hung from overhead by hanging cables						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
	Model	S39915	99498 - LED14DT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
	Wattage	14 / 277	14 / 120/277	10.5W / 277	17W / 120-277	32W / 12W / 277	10.5W / 120/277
	Lumens per watt	128 / 4100K	128.6W / 4100	157/4100K	129 / 4000K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
	Bulb Quantity	96					
	Unit Cost	\$8.35	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
	Total Cost of LED Lights as Proposed above:	\$801.60	\$532.80	\$800.64	\$1,295.04	\$412.80	\$725.76
1.4	4' Linear 3LT8 / Fixture Ct: 64 / RETROFIT BULBS						
	Interior Offices to be recessed in ceiling						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
	Model	S39915	39498 - LED14BDT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
	Wattage	14 / 277	14 / 120/277	10.5W / 277	17W / 120-277	32W / 12W / 277	10.5W / 120/277
	Lumens per watt	128 / 4100K	128.6W / 4100	157/4100K	129 / 4000K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Occupancy sensor (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
	Bulb Quantity	192					
	Unit Cost	\$8.35	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
	Total Cost of LED Lights as Proposed above:	\$1,603.20	\$1,065.60	\$1,601.28	\$2,590.08	\$825.60	\$1,451.52
	Driver (if applicable)		Integral	Non-dimmable		Dimmable	
	Bulb Quantity	80					
	Unit Cost	\$15.65	\$23.03	\$22.74	\$24.30	\$9.92	\$24.07
	Total Cost of LED Lights as Proposed above:	\$1,252.00	\$1,842.40	\$1,819.20	\$1,944.00	\$793.60	\$1,925.60

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1.6	1L F24 BX/840 / Fixture Ct: 7 / NEW FIXTURES						
	Interior Wall Scones						
	Manufacturer	Visual Comfort	Browniee Lighting	Westgate	Superior Lighting	AFX	WESTGATE WMC SERIES 4" DIA LED UP/DOWN WALL SCONE
	Model	ARN 2923BSL/ALB	1390-AS-C17-40	WMC-UDL-MCT-BN-DT	LDWS-MCTOD-SIL	SNS0410007LAJUDSN	L10.5T8SDE440-CG1
	Wattage	18W / 120v - 277v	16W / 120/277	30W / 120	12W / 120-277	9W - 17W / 277	30W / 120/277
	Lumens per watt	88 / (left color temp blank)	97.31 / 4000	80/Color Select 3000 / 4000 / 5000	100 / 4000K	3000K / 3500K / 4000K	240 / 4000K
	Warranty	5 years	10 years	7 years	5 year	5 year	
	LED Manufacturer Rated Life	50,000	60,000 at L80; 100,000 at L70	70,000		50,000	
	Driver (if applicable)			TRIAC Dimming		Dimmable	
	New Fixture	7					
	Unit Cost	\$927.00	\$293.12	\$143.40	\$202.00	\$89.08	\$151.77
	Total Cost of LED Lights as Proposed above:	\$6,489.00	\$2,051.84	\$1,003.80	\$1,414.00	\$623.56	\$1,062.39
1.7	1L F36 BX/840 / Fixture Ct: 2 / NEW FIXTURES						
	Interior Wall Scones						
	Manufacturer	Visual Comfort	Browniee Lighting	Westgate	Superior Lighting	AFX	WESTGATE WMC SERIES 4" DIA LED UP/DOWN WALL SCONE
	Model	ARN 2923BSL/ALB	1390-AS-C17-40	WMC-UDL-MCT-BN-DT	LDWS-MCTOD-SIL	SNS041814LAJUDSN	L10.5T8SDE440-CG1
	Wattage	18W / 120v - 277v	16W / 120/277	30W / 120	12W / 120-277	9W - 17W / 277	30W / 120/277
	Lumens per watt	88 / (left color temp blank)	97.31 / 4000	80/Color Select 3000 / 4000 / 5000	100 / 4000K	3000K / 3500K / 4000K	240 / 4000K
	Warranty	5 years	10 years	7 years	5 year	5 year	
	LED Manufacturer Rated Life	50,000	60,000 at L80; 100,000 at L70	70,000		50,000	
	Driver (if applicable)			TRIAC Dimming		Dimmable	
	Bulb Quantity	2					
	Unit Cost	\$927.00	\$293.12	\$143.40	\$202.00	\$118.37	\$151.77
	Total Cost of LED Lights as Proposed above:	\$1,854.00	\$586.24	\$286.80	\$404.00	\$236.74	\$303.54
1.8	4' Linear 2LT8 / Fixture Ct: 94 / RETROFIT BULBS						
	Hanging Shop Style Receiving, mechanical, Fac, closets						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
	Model	S39915	39498 - LED14BDT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
	Wattage	14W / 277	14W / 120/277	10.5W / 277	17W / 120-277	32W / 12W / 277	10.5W / 120/277
	Lumens per watt	128 / 4100K	128.6 / 4100	157/4100K	129 / 4000K	150 / 4100K	4000K
	Warranty	5 year	10 year	5 years	5 years	50,000	
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
	Bulb Quantity	188					
	Unit Cost	\$8.35	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
	Total Cost of LED Lights as Proposed above:	\$1,569.80	\$1,043.40	\$1,567.92	\$2,536.12	\$808.40	\$1,421.28
1.9	R75T3 / Fixture Ct: 6 / New Fixture						
	Decorative ceiling lights in Employee Lounge						
	Manufacturer	(Left Blank)	Browniee Lighting	SATCO NUVO	Kichler	AFX	SATCO
	Model	(Left Blank)	208115-BN-R18-FL2-40K	62-560	43675	SAP2332LAJUDSON-JT	62-560
	Wattage	100 / (left voltage blank)	100W / 120/277	25W / 120	No Wattage provided	100W / 120/277	25W / 120/277
	Lumens per watt	(Left Blank)	143.6 / 4000	84/88/88 / 3000/4000/5000	No lumens provided / 4000K	3000K / 3500K / 4000K	
	Warranty	(Left Blank)	10 years	3 year limited fixtures	No warranty provided	5 year	
	LED Manufacturer Rated Life		60,000 at L80; 100,000 at L70	50,000	No life hours provided	50,000	
	Driver (if applicable)			Dimmable		Dimmable	
	Bulb Quantity	6					
	Unit Cost	\$1,000.00	\$281.32	\$155.70	\$260.76	\$285.76	\$164.78
	Total Cost of LED Lights as Proposed above:	\$6,000.00	\$1,687.92	\$934.20	\$1,564.56	\$1,714.56	\$988.68
1.10	R75 1118m / Fixture Ct: 6 / New Fixture						
	Decorative ceiling lights in Employee Lounge						
	Manufacturer	(Left Blank)	Browniee Lighting	SATCO NUVO	Kichler	AFX	SATCO
	Model	(Left Blank)	208130-BN-S49-FL2-40K	62-560	43675	SAP2332LAJUDSON-JT	62-560
	Wattage	200 / (left voltage blank)	200W / 120/277	25W / 120	No Wattage provided	100W / 120/277	25W / 120/277
	Lumens per watt	(Left Blank)	101.96 / 4000	84/88/88 / 3000/4000/5000	No lumens provided / 4000K	3000K / 3500K / 4000K	
	Warranty	(Left Blank)	10 years	3 year limited fixtures	No warranty provided	5 year	
	LED Manufacturer Rated Life		60,000 at L80; 100,000 at L70	50,000	No life hours provided	50,000	
	Driver (if applicable)			Dimmable		Dimmable	
	Bulb Quantity	6					
	Unit Cost	\$1,000.00	\$281.32	\$155.70	\$260.76	\$285.76	\$164.78
	Total Cost of LED Lights as Proposed above:	\$6,000.00	\$1,687.92	\$934.20	\$1,564.56	\$1,714.56	\$988.68

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1.11	2' ULamp 2x2 2LT8 / Fixture Ct: 52 / RETROFIT BULBS						
	Interior offices and to be recessed in ceiling; hung from overhead by hanging cables						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE
	Model	S11972	34482 - LED13BT8/U6/840	U13T8DF240	S18452	541870	U13T8DF240
	Wattage	13W / 277	13W / 120/277	15W / 277V	13W / 120-277	32W / 13w / 277	15W / 120-277
	Lumens per watt	153 / 4100K	142.31 / 4100	143/4100K	146 / 4000K	161 / 4100K	4100K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with compatible ballast		Dimmable	
	Bulb Quantity	104					
	Unit Cost	\$20.15	\$17.39	\$22.74	\$19.41	\$10.16	\$24.07
	Total Cost of LED Lights as Proposed above:	\$2,095.60	\$1,808.56	\$2,364.96	\$2,018.64	\$1,056.64	\$2,503.28
1.12	2' ULamp 2x2 3LT8 / Fixture Ct: 9 / RETROFIT BULBS						
	Interior offices and to be recessed in ceiling; hung from overhead by hanging cables						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE
	Model	S11972	34482 - LED13BT8/U6/840	17PLL840-CG	S18452	541870	17PLL840-CG
	Wattage	13W / 277	13W / 120/277	17W / 120-277V	13W / 120-277	32W / 13w / 277	17W / 120/277
	Lumens per watt	132 / 4100K	142.31 / 4100	130/4000K	146 / 4000K	161 / 4100K	4100K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Non-dimmable		Dimmable	
	Bulb Quantity	27					
	Unit Cost	\$21.00	\$17.39	\$22.74	\$19.41	\$10.16	\$24.07
	Total Cost of LED Lights as Proposed above:	\$567.00	\$469.53	\$613.98	\$524.07	\$274.32	\$649.89
1.13	2L TBX Snap / Fixture Ct: 77 / New Fixture						
	Recessed ceiling can lights majority in common area						
	Manufacturer	RAB	Lithonia	ATG Lighting	LEDVANCE	VANTAGE	ATG 8"
	Model	CRLEDFA-8R-22S-9CCT-UNV	LBR8-AL04-SWW1-WR-MWD-MVOLT-UGZ-QDS	DR8T-35-T2-G2	62809	RET-V80FCRU-2040-F8060-SCL-R-SDM	DR8T-35-T2-G2
	Wattage	42W / 120v-277v	39-49 watts (adjustable lumen output)/120-277	16-35W / 120-277	42W- 12/15/22 / 120-277	42W/BULB /120/ 277	16W-35W / 120-277
	Lumens per watt	90 / 4100K	102.8 / 4100	depends on chosen wattage / 4100K	90 / 41000K / 4000	150 / 4100K	4100K
	Warranty	5 years	10 year	10 year	5 years		
	LED Manufacturer Rated Life	50,000	60,000 at L80	50,000	50,000	50,000	
	Driver (if applicable)			0-10v		Dimmable	
	Fixture Quantity	77					
	Unit Cost	\$62.90	\$123.54	\$55.14	\$82.68	\$112.39	\$55.82
	Total Cost of LED Lights as Proposed above:	\$4,843.30	\$9,512.58	\$4,245.78	\$6,366.36	\$8,654.03	\$4,298.14
1.14	1L TBX Snap / Fixture Ct: 88 / New Fixture						
	Recessed ceiling can lights majority common areas						
	Manufacturer	RAB	Lithonia	ATG Lighting	LEDVANCE	VANTAGE	ATG 8"
	Model	WFRETRO6	LBR8-AL02-SWW1-AR-LSS-MWD-MVOLT-UGZ-QDS	DR8T-35-T2-G2	62809	RET-V60FCRU-1540-F8060-SCL-R-SDM	DR8T-35-T2-G2
	Wattage	42W per bulb / 120v -277v	13-25 watts (adjustable lumen output)/120-277	16-35W per bulb 84 per fixture / 120-277	42W- 12/15/22 / 120-277	42W/BULB /120/ 277	16W-35W / 120-277
	Lumens per watt	86 / 4100K	99.85 / 4100	depends on chosen wattage / 4100K	90 / 41000K / 4000	150 / 4100K	4100K
	Warranty	5 years	10 years	10 year	5 years		
	LED Manufacturer Rated Life	50,000	60,000 at L80	50,000	50,000	50,000	
	Driver (if applicable)			0-10v		Dimmable	
	Fixture Quantity	88					
	Unit Cost	\$19.00	\$75.52	\$55.14	\$82.68	\$98.04	\$55.82
	Total Cost of LED Lights as Proposed above:	\$1,672.00	\$6,645.76	\$4,852.32	\$7,275.84	\$8,627.52	\$4,912.16
1.15	MS 400w/HOR /T15 / Fixture Ct: 12 / New Fixture						
	High Flood Lights Lobby & above 2nd Flr Elevator Dr						
	Manufacturer	Keystone	Lithonia	MaxLite	120W Rotatable LED	SIGNIFY	MAXLITE
	Model	KT-FLED100-R1A-UNV-8CSB	DSZF3-6-P2-40K-70CRI-FL-MVOLT-YK062-WDHXD	FML120UN-40BSKRPC	WPR2	SF 205-255-300W/3CCT/UM3/SF	FML120UN 40BSKRPC
	Wattage	400W / 120V-27V	138W/120/277	120W / 120-27 7V	400W/120	400W / 120/ 277	120W / 120-277
	Lumens per watt	122/ 4000K	1425 / 4000	130/4000K	140/4000K	145 / 3000K / 4000K / 5000K	4000K
	Warranty	10 years	10 years	5 year			
	LED Manufacturer Rated Life	50,000	60,000 at L80	50,000	50,000	50,000	
	Driver (if applicable)			Non-dimmable			
	Bulb Quantity	12					
	Unit Cost	\$200.00	\$626.88	\$227.94	\$198.75	\$187.00	\$241.24
	Total Cost of LED Lights as Proposed above:	\$2,400.00	\$7,522.56	\$2,735.28	\$2,385.00	\$2,244.00	\$2,894.88

Proposal Summary
LED Lights for City Hall & Various Parking Lots
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		Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI 48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
1.16	4' Linear 1LT8 / Fixture Ct: 18 / RETROFIT BULBS						
	Bathroom Fixtures						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
	Model	S39915	39498 - LED14BDT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
	Wattage	14W / 277V	14W / 120/277	10.5W / 277	17W / 120-277	32W / 12W / 277	10.5W / 120/277
	Lumens per watt	128 / 4100K	128.6 / 4100	157/4100K	129 / 4000K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
	Bulb Quantity	18					
	Unit Cost	\$8.35	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
	Total Cost of LED Lights as Proposed above:	\$150.30	\$99.90	\$150.12	\$242.82	\$77.40	\$136.08
1.17A	3' Linear 1LT8 / Fixture Ct: 16 / RETROFIT BULBS						
	Bathroom Fixtures						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE
	Model	S39928	39554-LED12BDT8/G3/840	L12T8AB340-CG	S39928	535518	L12T8AB240-CG
	Wattage	12W / 277V	12W / 120/277	12W / 277	12W / 120-277	25W / 11.5W / 277	12W / 120/277
	Lumens per watt	120 / 4100K	129.17 / 4100	114-118 / 4100K	120 / 4000K	0	4100K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Dimmable with compatible ballast		NA	
	Bulb Quantity	16					
	Unit Cost	\$8.35	\$7.90	\$9.54	\$8.07	\$6.28	\$10.10
	Total Cost of LED Lights as Proposed above:	\$133.60	\$126.40	\$152.64	\$129.12	\$100.48	\$161.60
1.17B	2' Linear 1LT8 / Fixture Ct: 6 / RETROFIT BULBS						
	Bathroom Fixtures						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE
	Model	S39902	39561-LED9BDT8/G2/840	L12T8AB340-CG	S39902	535476	L9T8AB240-CG
	Wattage	9W / 277V	9W / 120/277	9W / 277	9W / 120-277	17W / 8.5W / 277	9W / 1120/277
	Lumens per watt	127 / 4100K	127.77 / 4100	113-118 / 4100K	127 / 4000K	135 / 4100K	4100K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Occupancy sensor (if applicable)		Integral	Dimmable with compatible ballast		No	
	Bulb Quantity	6					
	Unit Cost	\$9.45	\$7.90	\$8.34	\$12.76	\$6.28	\$8.83
	Total Cost of LED Lights as Proposed above:	\$56.70	\$47.40	\$50.04	\$76.56	\$37.68	\$52.98
1.18	4' Linear 1LT5 / Fixture Ct: 46 / RETROFIT BULBS						
	Department Front Counter Signs						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T5
	Model	S28691	93100294G-LED25BDT5/G4/840	L12T5D440	S39718	576215	L12T5DE440
	Wattage	13W / 227 V	25W / 120/277	12W / 277	25W / 120-277	28W / 14W / 277	12W / 120-277v
	Lumens per watt	126 / 4100K	140 / 4100	125-133/4100K	132 / 4000K	150 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Non-Dimmable		Dimmable	
	Bulb Quantity	46					
	Unit Cost	\$15.20	\$15.01	\$15.54	\$15.60	\$8.97	\$16.45
	Total Cost of LED Lights as Proposed above:	\$699.20	\$690.46	\$714.84	\$717.60	\$412.62	\$756.70
1.19	F54 Linear 1LT5 / Fixture Ct: 4 / RETROFIT BULBS						
	Department Front Counter Signs						
	Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T5
	Model	S39718	93100294G-LED25BDT5/G4/840	L12T5D440	S39718	576249	L12T5DE440
	Wattage	25W / 277 V	25W / 120/277	12W / 277	25W / 120-277	54W / 25W / 277	12W / 120-277
	Lumens per watt	132 / 4100K	140 / 4100	125-133/4100K	132 / 4000K	140 / 4100K	4000K
	Warranty	5 years	10 year	5 years	5 years		
	LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
	Driver (if applicable)		Integral	Non-Dimmable		Dimmable	
	Bulb Quantity	4					
	Unit Cost	\$20.00	\$15.01	\$15.54	\$16.60	\$10.53	\$16.45
	Total Cost of LED Lights as Proposed above:	\$80.00	\$60.04	\$62.16	\$66.40	\$42.12	\$65.80

Proposal Summary
 LED Lights for City Hall & Various Parking Lots
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	Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
1.20	2' Linear 1LT5 / Fixture Ct: 2 / RETROFIT BULBS					
	Department Front Counter Signs					
Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 2" T5
Model	S28694	93128491-Led11bdt5g3840he	L12T5D440-CG	S19947	576157	L12T5DE240-CG
Wattage	12W / 277V	11W / 120/277	12W / 277	11W / 120-277	14W / 8W / 277	12W / 120-277
Lumens per watt	120 / 4100K	154.54 / 4100	125-133/4100K	132 / 4100K	131 / 4100K	4000K
Warranty	5 years	10 year	5 years	5 years		
LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
Driver (if applicable)		Integral	Non-Dimmable		Dimmable	
Bulb Quantity	2					
Unit Cost	\$15.00	\$12.63	\$13.14	\$16.47	\$7.17	\$13.91
Total Cost of LED Lights as Proposed above:	\$30.00	\$25.26	\$26.28	\$32.94	\$14.34	\$27.82
1.21	F13 Watertight Wall Sconce / Fixture Ct: 3 / New Fixture					
	Large Exterior Wall Scones					
Manufacturer	Visual Comfort	Browniee Lighting	Westgate	SATCO	AFX	Westgate WMC Series
Model	7000WASP93026DHUNVSLF	1390-AS-C15-40K	WMC-UDL-MCT-BN-DT	62-139	SEW5182300L30MVTG	WMC-ULD-MCT-BN-DT
Wattage	37.9W / 120v-277V	16W / 120/277	30W / 120	18W / 120	24W /120/ 277	30W /120-277
Lumens per watt	42 / 3000K	97.31 / 4000	80/Color Select 3000 / 4000 / 5000	59 / 3000K	3000K	2400
Warranty	5 years	10 years	7 years	5 years		
LED Manufacturer Rated Life	60,000	60,000 at L80; 100,000 at L70	70,000	50,000	50,000	
Driver (if applicable)	0-10V		TRIAC Dimming			
Fixture Quantity	3					
Unit Cost	\$942.00	\$293.12	\$143.40	\$208.12	\$166.20	\$151.77
Total Cost of LED Lights as Proposed above:	\$2,826.00	\$879.36	\$430.20	\$624.36	\$498.60	\$455.31
1.22	F13 Watertight Wall Sconce / Fixture Ct: 5 / New Fixture					
	Small Exterior Wall Scones					
Manufacturer	Visual Comfort	Browniee Lighting	Westgate	SATCO	AFX	Westgate WMC Series
Model	7000WASP930156DBUNSVS	1390-AS-C15-40K	WMC-UDL-MCT-BN-DT	62-139	SEW5121500L30MVTG	WMC-ULD-MCT-BN-DT
Wattage	22.2W / 120V-277V	16W / 120/277	30W / 120	18W / 120	19W /120/ 277	30W /120-277
Lumens per watt	29 / 3000K	97.31 / 4000	80/Color Select 3000 / 4000 / 5000	59 / 3000K	3000K	2400
Warranty	5 years	10 years	7 years	5 years		
LED Manufacturer Rated Life	60,000	60,000 at L80; 100,000 at L70	70,000	50,000	50,000	
Driver (if applicable)	0-10V		TRIAC Dimming			
Fixture Quantity	5					
Unit Cost	\$500.00	\$293.12	\$143.40	\$208.12	\$148.26	\$151.77
Total Cost of LED Lights as Proposed above:	\$2,500.00	\$1,465.60	\$717.00	\$1,040.60	\$741.30	\$758.85
1.23	Ground Flood Lights / Fixture Ct: 10 / New Fixtures					
	Large Exterior Flood Lights Along Front of Building					
Manufacturer	Keystone	SLG Lighting	MaxLite	LED Flood Light	SIGNIFY	MAXLITE SLIM FLOOD
Model	KT-FLED60-R1A-UNV-8CSB-VDIM	ALW LS210 T3 G2 FSK AL SFDALW	MSF200EUW-WCSBKCBPR7	FLCKM2-W23B60-BRK	SF 205-255-300W/3CCT/UN3/SF	MSF200EUW-WCSBKCBPR7
Wattage	60W / 120v-277V	40-150W / 120/277	150W/180W/200W (200w recomm'd)/120-277V	60W /120-277	120/277	150W/180/200 / 120-277
Lumens per watt	143 / 4000K	162-144 / 4000/5000	141-149 / 3000K/4000K/5000K	130 / 5000K	145 / 3000K / 4000K /5000K	4000K
Warranty	10 years	10 years	5 years	5 Year		
LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
Driver (if applicable)	0-10V		Non-dimmable	0-10Volt		
Fixture Quantity	10					
Unit Cost	\$135.95	\$275.92	\$238.74	\$77.83	\$187.00	\$241.24
Total Cost of LED Lights as Proposed above:	\$1,359.50	\$2,759.20	\$2,387.40	\$778.30	\$1,870.00	\$2,412.40
1.24	Wall Pack Area Lights / Fixture Ct: 10 / New Fixtures					
	Along the Back of the Building					
Manufacturer	Keystone	SLG Lighting	MaxLite	Full Cut Off LED Wall Pack	STONCO	MAXLITE
Model	KT-WPLED80PS-M4-8CSB-VDI	WMC LS2 G2 FSK	WCOP120U-WCSBPC	WPFCT-SWB120-BRP	WP100-SCT-G2-10-BZ	WCOP120U-WCSBPC
Wattage	70W / 120v-277V	39-100W / 120/277	80W/100W/120W (120W Recomm'd)/120/277	120W / 120-277	100W /120/ 277	80W/100W/120W / 120-277
Lumens per watt	143 / 4000K	142.3 - 115 / 3000/4000/5000	depends on wattage / 3000K/4000K/5000K	120 / 5000K	3000K/ 4000K/ 5000K	4000K
Warranty	10 years	10 years	5 years	5 years		
LED Manufacturer Rated Life	100,000	54,000 AT L89	54,000	50,000	50,000	
Driver (if applicable)	0-10V		0 to 10V dimming	0-10v		
Fixture Quantity	8					PHOTOCELL
Unit Cost	\$154.40	\$139.37	\$143.94	\$185.50	\$136.90	\$152.34
Total Cost of LED Lights as Proposed above:	\$1,235.20	\$1,114.96	\$1,151.52	\$1,484.00	\$1,095.20	\$1,218.72

Proposal Summary
LED Lights for City Hall & Various Parking Lots
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		Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
1.25	Wall Pack Lights / Fixture Ct: 6 / New Fixtures						
	Employee Parking Compound (Facilities wants to save)						
	Manufacturer	Keystone	SLG Lighting	MaxLite	LED Wall Pack	STONCO	MAXLITE
	Model	KT-WPLED80PS-M4-8CSB-VDI	WMC LS2 G2 FSK	WCOP120U-WCSBPC	WP3-50K80P-BABRSP	WP100-SCT-G2-10-BZ	WCOP120U-WCSBPC
	Wattage	70W / 120v-277v	39-100W / 120/277	80W/100W/120W (120W Recomm'd)/120/277	80W /120-277	100W /120/ 277	80W/100W/120W / 120-277
	Lumens per watt	143 / 4000K	142.3 - 115 / 3000/4000/5000	depends on wattage / 3000K/4000K/5000K	150 / 5000K	3000K/ 4000K/ 5000K	4000K
	Warranty	10 years	10 years	5 years	5 Year		
	LED Manufacturer Rated Life	100,000	54,000 AT L89	54,000	50,000	50,000	
	Driver (if applicable)	0-10V		0 to 10V dimming	0-10Volt		
	Fixture Quantity	6					PHOTOCELL
	Unit Cost	\$152.35	\$139.37	\$143.94	\$123.37	\$136.90	\$152.34
	Total Cost of LED Lights as Proposed above:	\$914.10	\$836.22	\$863.64	\$740.22	\$821.40	\$914.04
1.26	Metal-halide Light Posts / Fixture Ct: 5 / New Fixtures						
	On Sidewalk Along Front of City Hall						
	Manufacturer	Keystone	SLG Lighting	MaxLite	Pole Mount LED Parking Lot Light	GARD	MAXLITE AE Series
	Model	KT-ALED140PS-M2-OSB-PMA	ALW LS210 T3 G2 FSK	AE100UT3 - WCSBKCR	PLLD4-50K100W-ALT3BRI-APM	OPF-S-A02-740-T2M-AR1-HVU-BZ	AE100UT3-WCSBKCR
	Wattage	100W / 120v-277v	40-150W / 120/277	80W/100W/150W (100W Recomm'd)/120/277	100W / 120-2777	54W /120/ 277	100W/80W/60W / 120-277
	Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	135 / 5000K	4000K	4000K
	Warranty	10 years	10 years	10 years	5 years		
	LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
	Driver (if applicable)	0-10v		0 to 10V dimming	0-10V		
	Fixture Quantity	5					
	Unit Cost	\$345.90	\$230.40	\$239.94	\$160.25	\$408.91	\$241.24
	Total Cost of LED Lights as Proposed above:	\$1,729.50	\$1,152.00	\$1,199.70	\$801.25	\$2,044.55	\$1,206.20
1.27	Induction Light Posts / Fixture Ct: 20 / New Fixtures						
	Parking Lot Lights at City Hall						
	Manufacturer	Keystone	SLG Lighting	MaxLite	Pole Mount Parking LED	GARD	MAXLITE AE Series
	Model	KT-ALED140PS-M2-OSB-PMA	ALW LS210 T3 G2 FSK	AE150UT3-WCSBKCR	ALD2-5015W-C-BRC3-FM	OPF-S-A02-740-T4W-AR1-UNV-BZ	AE150UT3-WCSBKCR
	Wattage	100W / 120v-277v	40-150W / 120/277	80W/100W/150W (150W Recomm'd)/120/277	150W / 120-277	54W /120/ 277	150W/120W/100W / 120-277
	Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	170/5000K	4000K	4000K
	Warranty	10 years	10 years	10 years	5 year		
	LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
	Driver (if applicable)	0-10v		0 to 10V dimming	1-10V		
	New Fixture	20					
	Unit Cost	\$345.75	\$230.40	\$275.94	\$242.00	\$436.41	\$279.34
	Total Cost of LED Lights as Proposed above:	\$6,915.00	\$4,608.00	\$5,518.80	\$4,840.00	\$8,728.20	\$5,586.80
1.28	Light Posts / Fixture Ct: 15 / New Fixtures						
	DPS Parking Lot and Rear Compound						
	Manufacturer	Keystone	SLG Lighting	MaxLite	Pole Mount Parking LED	GARD	MAXLITE AE Series
	Model	KT-ALED140PS-M2-OSB-PMA	ALW LS210 T3 G2 FSK	AE150UT3-WCSBKCR	ALD2-5015W-C-BRC3-FM	OPF-S-A02-740-T4W-AR1-UNV-BZ	AE150UT3-WCSBKCR
	Wattage	100W / 120v-277v	40-150W / 120/277	80W/100W/150W (150W Recomm'd)/120/277	150W / 120-277	54W /120/ 277	150W/120W/100W / 120-277
	Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	170/5000K	4000K	4000K
	Warranty	10 years	10 years	10 years	5 year		
	LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
	Driver (if applicable)	0-10v		0 to 10V dimming	1-10V		
	New Fixture 15 or 13?	15					
	Unit Cost	\$345.80	\$230.40	\$275.94	\$242.00	\$436.41	\$279.34
	Total Cost of LED Lights as Proposed above:	\$5,187.00	\$3,456.00	\$4,139.10	\$3,630.00	\$6,546.15	\$4,190.10
1.29	Old Parking Lot Light Posts/Fixture Cnt: 5/New Fixtures						
	DPS Compound Cobra Head Street Lights						
	Manufacturer	Keystone	SLG Lighting	MaxLite	Slip Fit Pole LED	LUMEC	MAXLITE AE Series
	Model	KT-ALED140PS-M2-OSB-PMA	ALW LS210 T3 G2 FSK AL-SFDALW	AE150UT3-WCSBKCR	ALD2-5015W-C-BRC3-FM	RFM-120W60LED4K-G2-R2M-UNV-DMG-RCD7-GY3	AE150UT3-WCSBKCR
	Wattage	100W / 102v-277v	40-150W / 120/277	80W/100W/150W (150W Recomm'd)/120/277	150W / 120-277	120W / 120/ 277	150W/120W/100W / 120-277
	Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	170/5000K	132 / 4000K	4000K
	Warranty	10 years	10 years	10 years	5 year		
	LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
	Driver (if applicable)	0-10v		0 to 10V dimming	1-10V		
	New Fixture	5					
	Unit Cost	\$345.90	\$275.92	\$275.94	\$242.00	\$387.39	\$279.34
	Total Cost of LED Lights as Proposed above:	\$1,729.50	\$1,379.60	\$1,379.70	\$1,210.00	\$1,936.95	\$1,396.70

Proposal Summary
 LED Lights for City Hall & Various Parking Lots
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	Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
1.30 MVR400/U Light Posts/Fixture Cnt: 9/New Fixtures						
Fire Station 1 Parking Lot						
Manufacturer	Keystone	SLG Lighting	Topaz	Pole Mount LED	GARD	TOPAZ ARL Series
Model	KT-ALED140PS-M2-OSB-PMA	ALW LS210 T3 G2 FSK	ARL-150PCS-SW-/ARL-480PCS-POLMT-F	ALD2-5015W-C-BRC3-FM	OPF-S-A02-740-T4W-AR1-UNV-BZ	ARL-150PCS-SW0 / ARL-480PCS - POLMT-F
Wattage	100W / 120v-277v	40-150W / 120/277	150W/300W/480W(150W Recomm'd)/120/277	150W / 120-277	54W / 120/ 277	150W (70W/100W/150W) / 120-277
Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	170/5000K	4000K	4000K
Warranty	10 years	10 years	5 years	5 year		
LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
Driver (if applicable)	0-10v		0-10V dimming	1-10V		
New Fixture	9					
Unit Cost	\$345.75	\$230.40	\$287.94	\$242.00	\$436.41	\$304.74
Total Cost of LED Lights as Proposed above:	\$3,111.75	\$2,073.60	\$2,591.46	\$2,178.00	\$3,927.69	\$2,742.66
1.31 MVR175 Light Posts / Fixture Count: 18 / New Fixtures						
Oakland County Sheriff's Substation						
Manufacturer	Keystone	SLG Lighting	MaxLite	Pole Mount LED	GARD	MAXLITE AE Series
Model	KT-ALED140PSHV-M2-OSA-NM	ALW LS210 T3 G2 FSK	AE150HT3-WCSBKCR	PLLD4-50K150W-BLT3BRI-APM	OPF-S-A02-740-T4W-AR1-UNV-BZ	AE150HT3-WCSBKCR
Wattage	100W / 480v	40-150W / 480	80W/100W/150W (Recon 158W)/120/277	150W / 120-480	54W / 120/ 277	150W/120W/100W / 277-480
Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	135/5000K	4000K	4000K
Warranty	10 years	10 years	10 years	5 year		
LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
Driver (if applicable)	0-10v		0 to 10V dimming	1-10V		
New Fixture	18					
Unit Cost	\$386.95	\$320.00	\$347.94	\$298.63	\$436.41	\$368.24
Total Cost of LED Lights as Proposed above:	\$6,965.10	\$5,760.00	\$6,262.92	\$5,375.34	\$7,855.38	\$6,628.32
1.32 F32 T8 Carport Lights / Fixture Ct: 20 / RETROFIT BULBS						
Oakland County Sheriff's Substation Carports						
Manufacturer	SATCO	GE	MaxLite	SATCO	PHI	MAXLITE 4' T8
Model	S39915	39498 - LED14BDT8/G4/840	L10.5T8SDE440-CG1	S39906	579383	L10.5T8SDE440-CG1
Wattage	14W / 120v-277v	14W / 120/277	10.5W / 277	17W / 120-277	32W / 12W / 277	10.5W / 120/277
Lumens per watt	128 / 4100	128.6 / 4100	157/4100K	129 / 400K	150 / 4100K	4000K
Warranty	5 years	10 year	5 years	5 years		
LED Manufacturer Rated Life	50,000	50,000	50,000	50,000	50,000	
Driver (if applicable)		Integral	Dimmable with a specified dimmer		Dimmable	
Bulb Quantity	40					
Unit Cost	\$8.35	\$5.55	\$8.34	\$13.49	\$4.30	\$7.56
Total Cost of LED Lights as Proposed above:	\$334.00	\$222.00	\$333.60	\$539.60	\$172.00	\$302.40
1.33 MVR175 Light Posts / Fixture Count: 17 / New Fixtures						
52/3 Court House						
Manufacturer	Keystone	SLG Lighting	MaxLite	Pole Mount LED	GARD	MAXLITE AE Series
Model	KT-ALED140PSHV-M2-OSA-NM	ALW LS210 T3 G2 FSK	AE150HT3-WCSBKCR	PLLD4-50K150W-BLT3BRI-APM	OPF-S-A02-740-T4W-AR1-UNV-BZ	AE150HT3-WCSBKCR
Wattage	100W / 480v	40-150W / 480	80W/100W/150W (Recon 158W)/120/277	150W / 120-480	54W / 120/ 277	150W/120W/100W / 277-480
Lumens per watt	148 / 4000K	162-144 / 4000/5000	depends on wattage / 3000K/4000K/5000K	135/5000K	4000K	4000K
Warranty	10 years	10 years	10 years	5 year		
LED Manufacturer Rated Life	100,000	100,000 at L81	100,000	50,000	50,000	
Driver (if applicable)	0-10v		0 to 10V dimming	1-10V		
New Fixtures	17					
Unit Cost	\$387.00	\$320.00	\$347.94	\$298.63	\$436.41	\$368.24
Total Cost of LED Lights as Proposed above:	\$6,579.00	\$5,440.00	\$5,914.98	\$5,076.71	\$7,418.97	\$6,260.08

Proposal Summary
LED Lights for City Hall & Various Parking Lots
RFP-RH-24-013

		Allied Building Services Company of Detroit	Expert Lighting Group	RCI Electrical Contracting	Smart Lighting, LLC	State Electric Company	Tech Electric Company
		1801 Howard Street Detroit, MI48216	798 Masters Rochester Hills, MI 48307	2195 Imlay City Road Lapeer, MI 48446	1061 John R Road Rochester Hills, MI 48307	15045 Dixie Hwy Suite A Holly, MI 48442	16177 Leone Drive Macomb, MI 48042
1B	Summary of 1A (1.01 - 1.33)						
	Total Extended Product Cost as proposed in Item 1A (1.01 - 1.33) above as specified in the RFP	\$89,487.75	\$75,166.79	\$67,538.46	\$77,131.37	\$77,352.64	\$68,240.08
1C	Auditorium Lighting						
	Description of Proposed Solution:	Stated that Gasser Bush Associates will provide plan for lighting controls during submittals	ELG proposes to upgrade all existing light fixtures in the auditorium to ELD lighting and properly wire the LED lighting to maintain current functionality including existing scenes in the space. Will use LED that produces 4000K color temperature and an increase in the lumen output throughout the space. Proposal will allow all light fixtures to be dimmable to 5% output.	Replacing the existing dimming panel with a new Crestron model with the same TRIAC dimming capability. Replacing the (2) existing switches with the new Crestron models. Custom configurations and engraving included for the two switches. Proposed H.E. Williams can lights are 20wire dimming capable in that area.	Solution will consist of replacing the dimming panel to a Lutron 0-10 volt system with three control stations to match existing. Plan to use existing conduit but pull new conductors including new dimming leads. Entire high ceiling will be rewired to add as many lighting configurations as necessary so you achieve desired lighting needs. Plan on using color suitable LED down-lights to help with camera color distortion	Retrofit minican with 32W LED replacement. The 5000K color temperature mixed with the 50 degree beam angle will allow for soft, natural light that will mix well with the natural light coming in from the windows. Retrofitting these lights will also allow the existing scenes to stay intact.	Proposes a one for one replacement of existing panels with CRESTRON products that are capable of independent integration without a network connection. Auditorium panel will be capable of line voltage dimming in order to avoid re-wiring the existing fixture locations with dimming control circuits. Solution is a custom turn-key for Rochester, retains all existing functionality and includes engraved switch panels, BACNET integration with existing system, on-site programming and two (2) employee training sessions. Costs for hardware, integration, programming and training for auditorium, noted as Item 1C. Cost of installation of the control system is covered in the labor section.
	Total Product Cost for Auditorium Lighting (Item 1C):	\$1,195.10	\$4,076.82	\$12,256.80	\$16,789.04	\$1,680.00	\$12,738.21
1D	Total Product Costs & Auditorium Theater Lighting						
	Total Cost of Products for City Hall, Parking Lots & Auditorium Theater (=1B + 1C)	\$90,682.85	\$79,243.61	\$79,795.26	\$93,920.41	\$79,032.64	\$80,978.29
2A	Lighting Controls at City Hall						
2.1	Triatek LP-3500 / Panel Count: 2 / Relays per panel: 32						
	1st Floor Electrical Closets by Clerks & 2nd Floor Electrical Closet by Parks						
	Manufacturer	TBD - Gasser Bush will provide	Acuity Brand - nLight Relay Panel	Crestron	Wattstopper	LEVC	Proposes a one for one replacement of existing panels with CRESTRON products that are capable of independent integration without a network connection. Auditorium panel will be capable of line voltage dimming in order to avoid re-wiring the existing fixture locations with dimming control circuits. Solution is a custom turn-key for Rochester, retains all existing functionality and includes engraved switch panels, BACNET integration with existing system, on-site programming and two (2) employee training sessions. Costs for hardware, integration, programming and training for auditorium, noted as Item 1C. Cost of installation of the control system is covered in the labor section.
	Model	TBD - Gasser Bush will provide	ARP INTENC32 NLT	GLEX-FT-277-PROC-SW16-SW16	LMCP-48-10V-115/277-32HD	R32TC-100	
	Method of Control / type of sensors	TBD - Gasser Bush will provide	TBD	STAND ALONE (NONE CURRENTLY)		RELAY -1DS	
	Hosting Method: Locally Hosted	Locally Hosted	Locally Hosted	Locally Hosted		Locally Hosted	
	Annual Subscription? No	No	No	No	No	No	
	Parameters Controlled	TBD - Gasser Bush will provide	Yes	TBD in Field		Dimming & switching with voltage & current sensing	
	Warranty	TBD - Gasser Bush will provide	5 year manufacturer warranty	Crestron standard limits warranty - refer to cut sheets	www.legrand.us/contact-and-support	2 year	
	Access to Help Desk	TBD - Gasser Bush will provide	Yes	Yes		Yes	
	Compatible with other building systems? Yes or No	TBD - Gasser Bush will provide	Yes with any BACnet system	Yes / Any		Yes, most with BACnet/IP, Ethernet and Lumacon	
	Quantity of Panels	2					
	Unit Cost	\$1,500.00	\$8,667.00	\$8,112.00	\$10,081.00	\$12,359.00	
	Total Cost of Lighting Controls as proposed :	\$3,000.00	\$17,334.00	\$16,224.00	\$20,162.00	\$24,718.00	(see extended total below)

Proposal Summary
LED Lights for City Hall & Various Parking Lots
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		Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI 48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042	
2.2	Triatek LP-3500 / Panel Count: 1 / Relays per panel: 16 1st Floor Mechanical Room by Receiving							
	Manufacturer	TBD - Gasser Bush will provide	Acuity Brand - nLight Relay Panel	Crestron	Nothing provided	LEVC	Proposes a one for one replacement of existing panels with CRESTRON products that are capable of independent integration without a network connection. Auditorium panel will be capable of line voltage dimming in order to avoid re-wiring the existing fixture locations with dimming control circuits. Solution is a custom turn-key for Rochester, retains all existing functionality and includes engraved switch panels, BACNET integration with existing system, on-site programming and two (2) employee training sessions. Costs for hardware, integration, programming and training for auditorium, noted as Item 1C. Cost of installation of the control system is covered in the labor section.	
	Model	TBD - Gasser Bush will provide	ARP INTENC32 NLT	GLEX-FT-277-PROC-SW16	Nothing provided	R16TC-100		
	Method of Control / type of sensors	TBD - Gasser Bush will provide	TBD	STAND ALONE (NONE CURRENTLY)	Nothing provided	RELAY -1DS		
	Hosting Method: Locally Hosted	Locally Hosted	Locally Hosted	Locally Hosted	Nothing provided	Locally Hosted		
	Annual Subscription? No	No	No	No	Nothing provided	No		
	Parameters Controlled	TBD - Gasser Bush will provide	Yes	TBD in Field	Nothing provided	Dimming & switching with voltage & current sensing		
	Warranty	TBD - Gasser Bush will provide	5 year manufacturer warranty	Crestron standard limits warranty - refer to cut sheets	Nothing provided	2 year		
	Access to Help Desk	TBD - Gasser Bush will provide	Uyes	Yes	Nothing provided	Yes		
	Compatible with other building systems? Yes or No	TBD - Gasser Bush will provide	Yes with any BACnet system	Yes / Any	Nothing provided	Yes, most with BACnet/IP, Ethernet and Lumacan		
	Quantity of Panels	1						
	Unit Cost	\$1,500.00	\$8,667.00	\$6,435.00	\$10,458.00	\$8,820.04		
	Total Cost of Lighting Controls as proposed :	\$1,500.00	\$8,667.00	\$6,435.00	\$10,458.00	\$8,820.04	(see extended total below)	
2B	Summary of 2A (2.1 - 2.2)							
	Total Extended Costs of Lighting Controls System at City Hall (=2.1+2.2) above as specified in the RFP	*	\$30,479.90	\$26,001.00	\$22,659.00	\$30,620.00	\$33,538.04	\$22,935.00
3.00	Installation Cost Proposal							
3A	Labor Rates - City Hall & Parking Lot							
	Removal & Disposal of Old Fixtures at City Hall (interior & parking lot) / Monday - Friday (7am - 4pm)							
	Rate (Hourly)	\$125.00	\$167.88	\$135.00	* Not provided	\$58.00	Included below	
	Estimated Hours to Complete	200	150	397	Not provided	450	included below	
	Extended Total	\$25,000.00	\$25,182.00	\$53,595.00	\$5,200.00	\$26,100.00	included below	
	Installation of new LED fixtures at City Hall (interior & parking lot) / Monday - Friday (7am - 4pm)							
	Rate (Hourly)	\$125.00	\$167.88	\$135.00	Not provided	\$58.00	\$125.00	
	Estimated Hours to Complete	600	150	604	Not provided	275	690	
	Extended Total	\$75,000.00	\$25,182.00	\$81,540.00	\$47,729.00	\$15,950.00	\$86,250.00	
	Installation of new Lighting Control System at City Hall (Will Occur After Hours or on Weekend Days)							
	Rate (Hourly)	\$175.00	\$198.00	\$202.50	Not provided	\$58.00	\$187.50	
	Estimated Hours to Complete	100	40	60	Not provided	50	75	
	Extended Total	\$17,500.00	\$7,920.00	\$12,150.00	\$10,128.00	\$2,900.00	\$14,062.50	
	Total Cost Labor at City Hall & Parking Lot as proposed:		\$117,500.00	\$58,284.00	\$147,285.00	\$63,057.00	\$44,950.00	\$100,312.50

Proposal Summary
 LED Lights for City Hall & Various Parking Lots
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	Allied Building Services Company of Detroit 1801 Howard Street Detroit, MI 48216	Expert Lighting Group 798 Masters Rochester Hills, MI 48307	RCI Electrical Contracting 2195 Imlay City Road Lapeer, MI 48446	Smart Lighting, LLC 1061 John R Road Rochester Hills, MI 48307	State Electric Company 15045 Dixie Hwy Suite A Holly, MI 48442	Tech Electric Company 16177 Leone Drive Macomb, MI 48042
3B Labor Rates - Parking Lots (excluding City Hall & 52/3 Court parking lot)						
Removal & Disposal of Old Fixtures						
Monday - Friday (7am - 4pm)						
Rate (Hourly)	\$75.00	\$167.88	\$95.00	Not provided	\$58.00	Included below
Estimated Hours to Complete	24	10	35	Not provided	60	included below
Extended Total	\$1,800.00	\$1,678.80	\$3,325.00	\$200.00	\$3,480.00	included below
Installation of New LED fixtures						
Monday - Friday (7am - 4pm)						
Rate (Hourly)	\$75.00	\$167.88	\$95.00	Not provided	\$58.00	\$90.00
Estimated Hours to Complete	96	10	100	Not provided	50	90
Extended Total	\$7,200.00	\$1,678.80	\$9,500.00	\$6,684.00	\$2,900.00	\$8,100.00
Total Cost of Labor Parking Lots as proposed :	\$9,000.00	\$3,357.60	\$12,825.00	\$6,884.00	\$6,380.00	\$8,100.00
3C Labor Rates - 52/3 Court House Parking Lot						
Removal & Disposal of Old fixtures						
Monday - Friday (7am - 4pm)						
Rate (Hourly)	\$75.00	\$167.88	\$95.00	Not provided	\$58.00	Included below
Estimated Hours to Complete	16	5	12	Not provided	18	included below
Extended Total	\$1,200.00	\$839.40	\$1,140.00	\$160.00	\$1,044.00	included below
Installation of New LED fixtures						
Monday - Friday (7am - 4pm)						
Rate (Hourly)	\$75.00	\$167.88	\$95.00	Not provided	\$58.00	\$90.00
Estimated Hours to Complete	32	5	38	Not provided	15	22
Extended Total	\$2,400.00	\$839.40	\$3,610.00	\$2,840.00	\$870.00	\$1,980.00
Total Cost of Labor at 52/3 Court House Parking Lot:	\$3,600.00	\$1,678.80	\$4,750.00	\$3,000.00	\$1,914.00	\$1,980.00
3D Summary of Labor Rates						
Total Extended Costs of Labor Rates (=3A+3B+3C) above as specified in the RFP	\$130,100.00	\$63,320.40	\$164,860.00	\$72,941.00	\$53,244.00	\$110,392.50
4A Projects Totals						
Additional costs						
Equipment						\$4,750.00
Bond						\$10,952.00
Sum of all costs including product, material and labor (=1D+2B+3D)	\$251,262.75	\$168,565.01	\$267,314.26	\$197,481.41	\$165,814.68	\$230,007.79
4B Total Wattage						
Total Wattage of all the LED Fixtures in proposed solution	53.343W	40.614W	TBD (once wattages are chosen on selectable fixtures)	(left blank)	87.436W	38.562W
5 Additional Comments	Lift costs & cost to run low voltage cable included in item 2B		Thank you for the opportunity to bid project. Feel free to reach out for any questions.			Additional Costs - Lift Equipment Rentals for: 3A - City Hall - \$2000 3B - Parking Lots & OCSO \$2000 3C - Court House - \$750 Performance Bond Fee - 5% Total Cost \$10,952
	* Lift costs & Running cable included in 2B	* Correction / Fixture vs Bulb Count		* Correction / Fixture vs Bulb Count	* Correction / Fixture vs Bulb Count	* Mathematically error (correct costs shown)
	* Mathematically error (correct cost shown)			* Mathematically error (correct costs shown)		
	* Correction / Fixture vs Bulb Count			*Hourly rates not provided		