

CONTRACT

220439

Ordinance Fact Sheet

Construction/Misc. Form

Brief Title	Approval Deadline	Reason
Streetlight LED conversion and on-going maintenance contract		Authorize award Citywide LED Streetlight conversion and annual Streetlight maintenance contract to start May 1, 2022.

Details	Roles and Responsibilities												
Reason for Contract Estimating revenues and appropriating funds in the amount of \$445,170.00 in the Street Maintenance Fund; authorizing the Director of Public Works to enter a contract with Black & McDonald, LLC, in the amount of \$20,137,746.94 for conversion of the City's inventory of standard Cobrahead streetlights to Light-Emitting-Diodes (LEDs); and in the amount of \$6,680,259.61 annually for ten years to provide on-going maintenance for the City's entire inventory of streetlights and traffic signal intersections with a contract start date of May 1, 2022; and recognizing this ordinance as having an accelerated	<table><tbody><tr><td>Sponsor</td><td>Public Works</td></tr><tr><td>Department or Programs Affected</td><td>Street Lighting</td></tr><tr><td>Recommended Awardee</td><td>Black & McDonald, LLC</td></tr><tr><td>Contract Compliance Certification Obtained?</td><td>☐ No ☒ Yes</td></tr><tr><td>Opponents</td><td>Groups or Individuals None Reason for Opposition</td></tr><tr><td>Responsibilities</td><td>Design Engineering: Not Applicable Inspections: Street Lighting Staff Construction or Project Management: Street Lighting Staff Service Monitoring: Street Lighting Staff</td></tr></tbody></table>	Sponsor	Public Works	Department or Programs Affected	Street Lighting	Recommended Awardee	Black & McDonald, LLC	Contract Compliance Certification Obtained?	☐ No ☒ Yes	Opponents	Groups or Individuals None Reason for Opposition	Responsibilities	Design Engineering: Not Applicable Inspections: Street Lighting Staff Construction or Project Management: Street Lighting Staff Service Monitoring: Street Lighting Staff
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Discussion The City of Kansas City, Missouri desires to improve quality and efficiency of the street lighting system, enhance driver and pedestrian safety, and reduce annual energy and maintenance costs. Therefore, they solicited competitive detailed proposals for conversion of the estimated 84,000 standard cobrahead streetlights from high pressure sodium to LEDs, as well as the on-going annual maintenance of approximately 98,000 streetlight and 41 traffic signal system. The conversion of the streetlight is to be completed in a 36 months period with work performed concurrently in every Council District. The cumulative cost savings were to offset all upfront costs within a maximum 10 years of project commencement based on available annual funding of estimated \$13 million adjusted for price increases (energy and maintenance annual cost). It was determined that Black & McDonald, LLC provided the best and lowest proposal and was selected as a successful proposer to convert the streetlights to LEDs and provide annual maintenance services. This contract award to Black & McDonald, LLC is in the amount of \$20,137,746.94 for LED conversion and \$6,680,259.61 (annually) for Ten (10) years adjusted based on Consumer Price Index (CPI) each year. The contract term is for three years during conversion of the lights subject to budget appropriation. The ten-year renewal maintenance terms are subject to annual budget appropriation and Council approval after the conversion is completed.	Policy/Program Impact <table><tbody><tr><td>Policy or Program Emphasis Change</td><td>☒ No ☐ Yes</td></tr><tr><td>Operational Impact Assessment</td><td>Improve the quality and efficiency of the street lighting system, enhance roadway safety for drivers and pedestrians, and reduce energy and maintenance costs.</td></tr></tbody></table>	Policy or Program Emphasis Change	☒ No ☐ Yes	Operational Impact Assessment	Improve the quality and efficiency of the street lighting system, enhance roadway safety for drivers and pedestrians, and reduce energy and maintenance costs.								
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Human Relations Approval

Contract information was submitted to the Human Relations Department for review and determination. MBE/WBE goals of 15% and 15% were approved for the first 3 years of the conversion and maintenance project by the fairness in Construction Board. See Docket Memo attached.

Fairness in Construction Board

There is no appeal on this contract pending before the Fairness in Construction Board.

Is it good for the children?

Safety in illuminating streetlights and having proper working traffic signals is good for everyone, especially children.

How will this contribute to a sustainable Kansas City?

Sustainability is derived from the conversion of High Intensity Discharge (HID) lamps in streetlights, and incandescent bulbs in traffic signals to more energy efficient lighting such as LEDs.

Finances

City's Estimate of Cost	\$ N/A	
Bid or Proposal Data	Lowest Contract	
	Cost Submitted	\$
	No .of Proposals Considered	Five (5)
	Reason for rejecting lowest contract cost submitted	
	Other Bidders or Contractors Considered	Contract Costs Submitted
	Black & McDonald	
	LED Conversion	\$ 20,137,746.94
	Annual Maintenance	\$ 6,680,259.61
		\$
	Siemens	
	LED conversion	\$ 20,199,682.00
	Annual Maintenance	\$ 13,444,574.00
		\$
	Nextera	
	LED Conversion	\$ 20,882,005.30
	Annual Maintenance	\$ 15,952,936.69
		\$
	Reinhold Electric	
	LED Conversion	\$ 30,069,836.00
	Annual Maintenance	\$ 8,775,081.00
		\$
	Smart City Capital	
	LED Conversion	\$ 61,451,133.00
	Annual Maintenance	\$ 24,308,316.80
		\$
Fund Sources and Appropriation	Street Lighting xxx-xxxxxx LED conv. \$20,137,746.94	
Account Codes	3090-897703 Routine Maint. \$5,600,000.00	
For This	2060-891950 Special Maint. \$445,170.00	
	Traffic Signal	
	2060-891318 Routine Maint. \$71,337.00	
	2085-891318 Routine Maint. \$55,780.00	
Contract	2060-892020 Special Maint. \$507,972.61	
Source of Future Operating Funds	Operating Budget	
Maximum Amount of Proposed Contract	\$ 26,818,006.55	
Amount of Contingency	\$ 3,549,800.06	
Engineering & Administration	\$	
TOTAL \$ 30,367,806.61		

Estimated Duration of Contract:

10 years

Fact Sheet Prepared by:

Name: Mahmoud Hadjian

Title: Manager of Street lighting Services

Date:

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Reviewed by:

Name: Nicolas Bosonetto

Title: City Engineer

Date:

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Reference Numbers:**Council Committee Actions**

Do Pass	☐	☐ Hold
Do Pass (as amended)	☐	☐ W/o Recommendation
Committee Sub.	☐	☐ Do Not Pass