

**PUBLIC WORKS DEPARTMENT MEMORANDUM**  
**#11-2020**

**DATE:** April 13, 2020  
**TO:** Honorable Mayor Meredith Leighty and City Council Members  
**THROUGH:** Heather Geyer, City Manager *hmg*  
**FROM:** Kent Kisselman, PE, Director of Public Works *KK*  
**SUBJECT:** CR-73 – Traffic Signals Upgrade – 104<sup>th</sup> Corridor

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**PURPOSE**

City Council is considering CR-73, a resolution authorizing the City Manager to issue a purchase order for equipment to upgrade the traffic signals on the 104<sup>th</sup> Avenue corridor.

**BACKGROUND**

The City operates 36 signalized intersections. The signals' controllers are past their useful life and Aries, the software controlling the signals, is outdated, which causes recurring issues. The telecommunication line along the 104<sup>th</sup> Avenue corridor is unable to send data to the City's controllers due to years of splicing and repair.

Over the last year, staff received 22 website complaints and 20 phone calls regarding issues along the 104<sup>th</sup> Avenue corridor. Sturgeon, the City's on-call contractor, has been called 12 times since October 2019 at a cost of approximately \$21,000, and the City has spent an additional \$4,400 for Sturgeon to maintain the Aries system.

Staff proposes upgrading the controllers for the 104<sup>th</sup> Avenue corridor at a cost of approximately \$161,290. These upgrades will include new controllers, radio system, and communication software.

**STAFF RECOMMENDATION**

Attached to this memorandum is CR-73, a resolution that, if approved would authorize the City Manager to issue a purchase order to Econolite in amount not to exceed \$161,290 for software and equipment for the 104<sup>th</sup> Avenue Corridor traffic signals upgrade. Staff recommends approval of CR-73.

**BUDGET/TIME IMPLICATIONS**

The 2020 Budget does not include an allocation for this project. An additional appropriation of \$161,290 is needed to fund the purchase, and will be addressed by CB-1944 – Supplemental Appropriation and CIP Carry Over.

**STAFF REFERENCE**

If Council members have any comments or questions they may contact Kent Kisselman, Director of Public Works, at 303.450.4005 or [kkisselman@northglenn.org](mailto:kkisselman@northglenn.org).

**ATTACHMENTS**

1. Econolite Quote
2. 104<sup>th</sup> Avenue Corridor Traffic Signals Map

CR-73 – Traffic Signals Upgrade – 104<sup>th</sup> Corridor

MOVING TRAFFIC FORWARD

QUOTATION

Date: April 02, 2020

<b>To:</b> Northglenn, CO; City of Attn: Kyle Haworth	<b>Re: City of Northglenn Central, Radios &amp; Cobalts Ph1</b> <b>Econolite Reference: Q-36065-R9G6</b>
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This quote is based on the first 10 Intersections the City of Northglenn has supplied to Econolite.

Item #	Part #	Qty	Description	Price per	Extended	Tariff
1	TBD	1	Centracs License, Installation, Integration, Training, & Testing. For First 10 Intersections supplied to Econolite by the City id Northglenn.	\$105,800.00	\$105,800.00	\$0.00
2	COB21100110000	10	Cobalt standard TS1/TS2-T2 controller, 110V, No Datakey or Receptacle, No ATC Comm Card, Touch SW	\$2,530.00	\$25,300.00	\$240.00
3	CA-282224	1	Intuicom, Radio System for 10 Intersections provided by the city of Northglenn. (14) Single Radio with Integrated Dual Polarity Panel Antenna - 5.8GHz, (1) Single Radio with Dual External Antenna Connectors - 5.8GHz, (1) Sector Antenna, (2) 10' Coax Cable Jumpers, Mounting Hardware.	\$29,950.00	\$29,950.00	\$0.00
				SubTotal		\$161,050.00
				Shipping & Handling*		
				Taxes**		
				Total Tariffs***		\$240.00
				<b>TOTAL</b>		\$161,290.00

5755 Mark Dabling Blvd., Ste. 300 Colorado Springs, CO 80919



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MOVING TRAFFIC FORWARD

**QUOTATION**

Unless specifically requested or noted on this quotation, the product(s) quoted herein may or may not comply with any Buy America requirements.

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or legally privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited except as required by law.

**Quote Valid For: 60 days**

**FOB:**

**Terms: Net 30 days from date of shipment,  
subject to credit approval**

**\*Shipping: Included**

**\*\*Taxes: Not Included**

*Tracy Brookham*

**Tracy Brookham-Account Manager**

**Mobile: 719-216-2493**

**TBrookham@econolite.com**

Shipping Date: 8 weeks ARO, approved credit terms and submittal approval when applicable

5755 Mark Dabling Blvd., Ste. 300 Colorado Springs, CO 80919

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[econolite.com](http://econolite.com)  [feedback.econolite.com](mailto:feedback.econolite.com)

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SPONSORED BY: MAYOR LEIGHTY

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-73  
Series of 2020

\_\_\_\_\_  
Series of 2020

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO ECONOLITE FOR A TOTAL AMOUNT NOT TO EXCEED \$161,290 FOR THE PURCHASE OF TRAFFIC SIGNAL SOFTWARE, EQUIPMENT, TRAINING AND TESTING FOR TEN INTERSECTIONS

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The City Manager is hereby authorized to issue a Purchase Order to Econolite in an amount not to exceed \$161,290.00 for the purchase of traffic signal software, equipment, training, and testing for ten (10) intersections.

DATED at Northglenn, Colorado, this \_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
MEREDITH LEIGHTY  
Mayor

ATTEST:

\_\_\_\_\_  
JOHANNA SMALL, CMC  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
COREY Y. HOFFMANN  
City Attorney