

PUBLIC WORKS MEMORANDUM
#46-2021

DATE: Dec. 6, 2021
TO: Honorable Mayor Meredith Leighty and City Council Members
THROUGH: Heather Geyer, City Manager *hmg*
FROM: Kent Kisselman PE, Director of Public Works *KHK*
SUBJECT: CR-140 – Traffic Signals Purchase Order

PURPOSE

To consider CR-140, a resolution to approve a purchase order with Econolite for the controllers and radios portion of the Traffic Signals System Upgrade project.

BACKGROUND

The City operates 36 signalized intersections. The controllers for the signals are past their useful life and the software controlling the signals is outdated, causing recurring issues. The City applied and was selected to receive funding for upgrades from the Colorado Department of Transportation (CDOT) and the Denver Regional Council of Governments. The City will receive a maximum of \$960,000 from CDOT with a required match of \$240,000 strictly for traffic signal upgrades, for a total of \$1,200,000.

Upgrades will include new controllers, cameras, radio system, and communication software. Installation will result in less congestion, reduced traffic signal down time, and provide valuable traffic data to the City.

On April 26, 2021, Council authorized the issuance of purchase orders to Econolite for \$135,156 and AM Signal for \$939,834 through Resolution No. 21-44. These quotes had to be revised due to longer than expected approval time from CDOT, and while the AM Signal quote was reduced to \$901,834.14, the Econolite quote increased to \$143,556. Since the AM Signal quote was less than the amount previously authorized, that purchase order was issued. Since the Econolite quote exceeds the previously authorized amount, this purchase order requires Council approval.

BUDGET/TIME IMPLICATIONS

Funds in the amount of \$1.2 million were budgeted for Traffic Signal System Upgrades in the Capital Projects Fund.

The following equipment purchase order will be issued following approval:

	Equipment	Amount
2021 Traffic Signal System Upgrade		\$1,200,000
Econolite	Controllers and radios	(\$143,556)
AM Signal, Inc. - purchase order issued already	Cameras	(\$901,834.14)
Budget Remaining		\$154,609.86

STAFF RECOMMENDATION

Attached to this memorandum is CR-140, a resolution that, if approved, would authorize the City Manager to issue a purchase order to Econolite in an amount not to exceed \$143,556 and would cancel the previous purchase order authorized by Council in April 2021. Staff recommends approval of CR-140.

STAFF REFERENCE

If Council members have any questions, please contact Kent Kisselman, Director of Public Works, at kkisselman@northglenn.org or 303.450.4005.

ATTACHMENT

1. Econolite quote

CR-140 – Traffic Signals Purchase Order



Quotation

10/5/2021

To:	Trent Marshal Northglenn, CO; City of	Quote Name: Northglenn Radios, Phase II Project Reference: Econolite Reference: Q-03955-G4Z0
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Item #	Part	Qty	Description	Tariff	Price per	Extended
1	AX5-I	29	INTUICOM AXION RADIO		\$1,820.00	\$52,780.00
2	AX5-E	3	AXIOM SINGLE RADIO WITH DUAL EXTERNAL ANTENNA CONNECTORS, 5.8GHZ - UP TO 300MBPS		\$1,905.00	\$5,715.00
3	FIP4-058ANT-DPSNN	3	INTUICOM DUAL POLARIZED SECTOR ANTENNA		\$265.00	\$795.00
4	CAB-0104NN	6	LMR-400 10' ANTENNA CABLE		\$70.00	\$420.00
5	FIP4-900ANT-YL11	11	YAGI ANTENNA		\$206.00	\$2,266.00
6	FIP4-AMK-P	11	ANTENNA MOUNTING KIT INTUICOM QUOTE		\$180.00	\$1,980.00
7	CAB-0032TN	3	3 FOOT COAXIALCABLE W/MALE N TYPE TNC CONN, 1DB LOSS, .24" DIAM		\$45.00	\$135.00
8	FIP4-SPLN	3	IN LINE SURGE PROTECTOR		\$75.00	\$225.00
9	COB21100110000	28	COBALT G-SERIES, TS1, NO RECEPTACLE NO DATAKEY, NO COMM CARD		\$2,830.00	\$79,240.00

SubTotal	\$143,556.00
Shipping & Handling*	
Taxes**	\$0.00
Tariffs**	\$0.00
TOTAL	\$143,556.00

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

econolite.com/feedback



Quotation

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

Cabinet designs are considered final at time of order. Changes requested after date of order may result in additional fees and extended shipping lead times.

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 Days: 60

FOB: Econolite Factory

Terms: NET30

*Ship Terms: PPD

**Taxes and Tariffs Estimated (if included)

Tracy Brookham

Tracy Brookham, Account Manager

Mobile: +1 7192162493

TBrookham@econolite.com

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

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SPONSORED BY: MAYOR LEIGHTY

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-140
Series of 2021

Series of 2021

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ISSUE A NEW PURCHASE ORDER TO ECONOLITE FOR AN AMOUNT NOT TO EXCEED \$143,556.00 FOR THE TRAFFIC SIGNAL UPGRADE PROJECT

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 \$143,556.00 for the purchase of traffic signal controllers, radios, and equipment for the Traffic Signal Upgrade Project.

Section 2. The City Council authorizes the cancellation of the Purchase Order to Econolite in an amount not to exceed \$135,156.00 previously authorized by subsection (b) of Resolution No. 21-44, Series of 2021.

DATED at Northglenn, Colorado, this ____ day of _____, 2021.

MEREDITH LEIGHTY
Mayor

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney