

**PUBLIC WORKS MEMORANDUM
#20-2021**

DATE: April 26, 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-44 – Traffic Signal Upgrade Project Purchase Orders

PURPOSE

To consider CR-44, a resolution to approve purchase orders for the Traffic Signal 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 The controllers for the signals are past their useful life and the software controlling the signals is outdated, causing recurring issues.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 and the Denver Regional Council of Governments. Council approved the IGA for the funding on April 12 through Resolution No. 21-40.

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

BUDGET/TIME IMPLICATIONS

Funds in the amount of \$1.2M were budgeted for the Traffic Signal Upgrade project in the Capital Projects Fund.

The following equipment purchase orders will be issued following approval:

	Equipment	Amount
2021 Traffic Signal Upgrade Budget		\$1,200,000
Econolite	Controllers and radios	(\$135,156)
AM Signal, LLC	Cameras	(\$939,834.14)
Budget Remaining		\$125,009.86

STAFF RECOMMENDATION

Attached to this memorandum is CR-44, a resolution that, if approved, would authorize the City Manager to issue purchase orders to approved vendors as itemized in the amounts shown in the table. Staff recommends approval of CR-44.

STAFF REFERENCE

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

CR-44 – Traffic Signal Upgrade Project Purchase Orders

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ATTACHMENTS

1. Econolite quote
2. AM Signal quote

CR-44 – Traffic Signal Upgrade Project Purchase Orders



Quotation

4/8/2021

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		\$2,530.00	\$70,840.00

SubTotal	\$135,156.00
Shipping & Handling*	
Taxes**	\$0.00
Tariffs**	\$0.00
TOTAL	\$135,156.00

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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econolite.com/feedback



Estimate

AM Signal, LLC
 8100 Southpark Way, Unit A-10
 Littleton, CO 80120
 Ph: 720-348-6925 Fx: 720-348-6950

Date	Estimate #
10/16/2020	6214

Bill To
Kyle Haworth Northglenn 12301 Claude Court Northglenn CO 80233-1003

Ship To
Kyle Haworth Northglenn 12301 Claude Court Northglenn CO 80233-1003

SO Type	Contract #	Terms	FOB	Expires	Primary Sales
Standard			Origin	4/30/2021	Wes Hood

Notes

Item #	Quantity	Units	Item	Description	Rate	Amount
1	152	Each	TRAFISENSE 2 DUAL 632 W/SUNSHIELD (TFC) (S)	<p>Trafisense 2 Dual 632 w/Sunshield, Integrated Thermal Sensor and Video Detector, FOV: 32 Degree Horizontal; 26 Degree Vertical</p> <p>Mounting Bracket not Included - Must Order Separately with PN: TRAFISENSE 2 DUAL MOUNTING BRACKET</p>	4,750.00	722,000.00
2	38	Each	TrafiSense TI BPL2 EDGE B&SIU (TFC) (S)	<p>Connects zone outputs from BPL2 sensor(s) or Power Line (PL) sensor(s) to controller.</p> <p>Provides power to BPL2 or PL sensor(s).</p> <p>Connects PC to BPL2 or PL sensor(s) for system configuration & viewing.</p> <p>**Rack Mount**</p>	1,340.00	50,920.00

AM Signal, LLC
 8100 Southpark Way, Unit A-10
 Littleton, CO 80120
 Ph: 720-348-6925 Fx: 720-348-6950

Date	Estimate #
10/16/2020	6214

Item #	Quantity	Units	Item	Description	Rate	Amount
3	38		FLR ACYCLICA AC-DA400_SW_CON G "Hardware & Software" (TFC) (S)	**For use with TrafiSense 2** DA-400 Congestion Package 5y (Travel Time, Intersection Performance)	3,800.00	144,400.00
4	38	Each	TrafiSense 48V PS Assy	AC-DC; 48V@2.5A; 100-264V In; ENCLOSED; DIN RAIL MOUNT; PFC; SDR SERIES, with DIN RAIL	90.30	3,431.40
5	38		12 Pos. Terminal Block w/24 male Terminal Forks Assy	12 position terminal block, Double Row, 3-Post, 30 Amp, Black, with (24) male terminal forks. 5' of red, green and black 14 awg wire. (9) Terminal jumpers installed on the terminal block. (G-6YH71). (4) Female Disconnects bagged separately.	28.17	1,070.46
6	38		Trafisense Easy Pull Cable 18/3C-1000	Trafisense2 Camera Cable, Easy Pull, 18/3C, 1000FT Spool	470.06	17,862.28

Subtotal	939,684.14
Shipping Cost (Best Way)	150.00
Total	\$939,834.14

Quote valid for 30 days. Restock fees may apply for returned materials.
 Seller reserves the right to make an equitable adjustment by providing Buyer with new unit pricing if the Buyer's Purchase Order includes a variation in the quantity of any item from the time it was quoted on the Seller's Estimate.



6214

SPONSORED BY: MAYOR LEIGHTY

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-44
Series of 2021

Series of 2021

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ISSUE PURCHASE ORDERS FOR A TOTAL AMOUNT NOT TO EXCEED \$1,074,990.14 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 the following purchase orders for the Traffic Signal Upgrade Project:

(a) A Purchase Order to Econolite in an amount not to exceed \$135,156.00 for the purchase of traffic signal controllers, radios, and equipment; and

(b) A Purchase Order to AM Signal, LLC in an amount not to exceed \$939,834.14 for the purchase of traffic signal cameras and equipment.

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