

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL MEETING
OCTOBER 14, 2014 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Purchase of New Traffic Controller and Components – Main St at Warren Ave / Burlington Ave	Resolution Ordinance ✓ Motion Discussion Only	Nan Newlon, P.E. Director of Public Works

SYNOPSIS

A motion is requested to award a contract for the purchase of a new master traffic signal controller cabinet and components to replace the existing unit at Main Street and Warren Avenue, from Traffic Control Corporation, Inc. of Woodridge, Illinois in the amount of \$30,182.

STRATEGIC PLAN ALIGNMENT

The goals for 2011-2018 identified *Top Quality Infrastructure*.

FISCAL IMPACT

This entire amount of the purchase is funded with a grant from the Illinois Department of Transportation.

RECOMMENDATION

Approval on the October 14, 2014 consent agenda.

BACKGROUND

The Village is proposing to purchase a new traffic signal master controller and cabinet, with all the internal components for the Main Street/Warren Avenue/Burlington Avenue intersections. The following operational benefits are expected as a result of this improvement:

- Replacement and modernization of all the current internal traffic signal components in the cabinet. The last time this location was upgraded was approximately in 1999-2000.
- Updated Controller software for railroad pre-emption operation. This software will automatically adjust the signal timing after railroad gate interruptions based on traffic volumes and locations.
- The uninterruptible power supply (UPS) for controller is consistent with IDOT & Village recent installations, which keeps intersection operational during power failures.
- Added safety features including a track supervision circuit, which puts the traffic signals in a flashing red mode if communication to the railroad gates is interrupted.

The Village applied for and received the 100% federal funding for this improvement, through the Illinois Department of Transportation (IDOT) and FCC Local Rail / Highway Grade Crossing fund.

The materials are being purchased from Traffic Control Corporation (TCC), who is the Village's Sole Source vendor for traffic signal equipment.

ATTACHMENTS

Price Quote Materials – TCC

VILLAGE OF DOWNERS GROVE
COUNCIL ACTION SUMMARY

INITIATED: Public Works **DATE:** October 14, 2014
(Name)

RECOMMENDATION FROM: _____ **FILE REF:** _____
(Board or Department)

NATURE OF ACTION:

- Ordinance
- Resolution
- Motion
- Other

STEPS NEEDED TO IMPLEMENT ACTION:

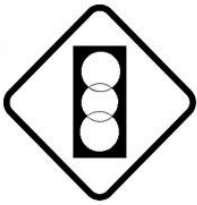
Motion to authorize a contract in the amount of \$30,182 to Traffic Control Corporation, Inc. for purchase of a new master traffic signal controller, cabinet and components.



SUMMARY OF ITEM:

Adoption of this motion shall authorize payment to Traffic Control Corporation, Inc. in the amount of \$30,182 for the replacement of the Main Street and Warren Avenue traffic signal controller.

RECORD OF ACTION TAKEN:



TRAFFIC CONTROL CORPORATION

10435 Argonne Woods Drive
Woodridge, IL 60517
(630) 543.1300 • Fax (630) 543.5050
www.trafficcontrolcorp.com

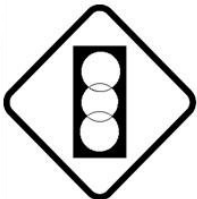
Quotation

Quotation # E06322-05
Quotation Date: 02/18/2014
Customer Number: 013050
Salesperson: MB

**DOWNERS GROVE, VILLAGE OF
PUBLIC WORKS DEPARTMENT
5101 WALNUT AVENUE
DOWNERS GROVE IL 60515
PHONE: (630)434-5460 FAX: (630)434-5494
Attention : DORIN FERA**

**Book/
Contract: DOWNERS GROVE - MAIN STREET**

Item	Part No. /Description	Quantity	Unit Price	Extended Price
004	TCC-11600B FAC T4 CAB - MAIN & BURLINGTON STANDARD 55" P CABINET ASSEMBLY 16 POSITION TS2 BACKPANEL 16 CHANNEL DETECTOR RACK WITH INTERFACE 1 - ASC3-1000 CONTROLLER LOADSWITCHES PER SEQUENCE FLASH RELAYS PER SEQUENCE 1 -NEMA FLASHER 1 - RAIL ROAD 3 WIRE INTERFACE 1 - DIGI 4 PORT SWITCH 1 - WIRE FOR MASTER OUTLET AND POWER CABLE 1 - MASTER CONTROLLER WITH RS-232 TELEMETRY 1 - ECONOLITE MODEM 1 - MMU 1600 GE 3 - BUS INTERFACE UNIT 1 - CABINET POWER SUPPLY TCC TO RELOCATE AUTOSCOPE VIDEO DETECTION CABINET COMPONENTS SUPPLIED BY THE VILLAGE NO EVP INCLUDED FIBER TELEMETRY INTERFACE PROVIDED IN LINE ITEM 2 PRICE INCLUDES IN SHOP RAILROAD INSPECTION AND CABINET TURN-ON IN THE FIELD	1.00 EA	24,312.00	\$ 24,312.00
005	TCC-11715 IDOT DIST. 1 UPS ASSY - WITH CABINET	1.00 EA	5,870.00	\$ 5,870.00
006	ETHERNET SWITCHES RUGGEDCOM ETHERNET SWITCHES RS900G FOR SINGLE MODE FIBER - SINGLE MODE FIBER MUST BE TERMINATED IN TS CABINET	8.00 EA	2,489.00	\$ 19,912.00



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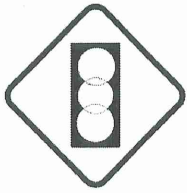
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007	TCC-11903 VIDEO VEH DET SYS - ENCORE MAIN & FRANKLIN, DOWNERS GROVE 3 DIRECTION VIDEO DETECTION SYSTEM 3 - VIDEO SENSOR 3 - VIDEO SENSOR HARNESS 100' (FROM VIDEO SENSOR TO BASE OF POLE) 3 - EXTENDED LENGTH 74" SENSOR MOUNTING BRACKETS 1 - TERRA ACCESS POINT 1 - TERRA INTERFACE PANEL 1 - COLOR MONITOR 1000' 3C CAMERA CABLE	1.00 EA	19,298.00	\$ 19,298.00
008	TCC-11905 REMOTE CONTROLLED VIDEO SYSTEM INCLUDES PELCO SPECTRA IV NETWORK CAMERA, ARM MOUNT WITH POWER SUPPLY, POLE ADAPTER ETHERNET SURGE PROTECTION MAIN & BURLINGTON/WARREN NO MAST ARM POLE EXTENSIONS INCLUDED	2.00 EA	3,249.00	\$ 6,498.00
009	TCC-11504 PEDESTRIAN PUSHBUTTON PRICE INCLUDES 4 CABINET LATCHING PUSHBUTTON MODULES	40.00 EA	295.00	\$ 11,800.00
010	GEL-PS6-CFL1-26A LED 12" PED, FULL HAND MAN GT1	24.00 EA	150.00	\$ 3,600.00



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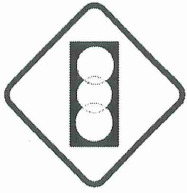
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