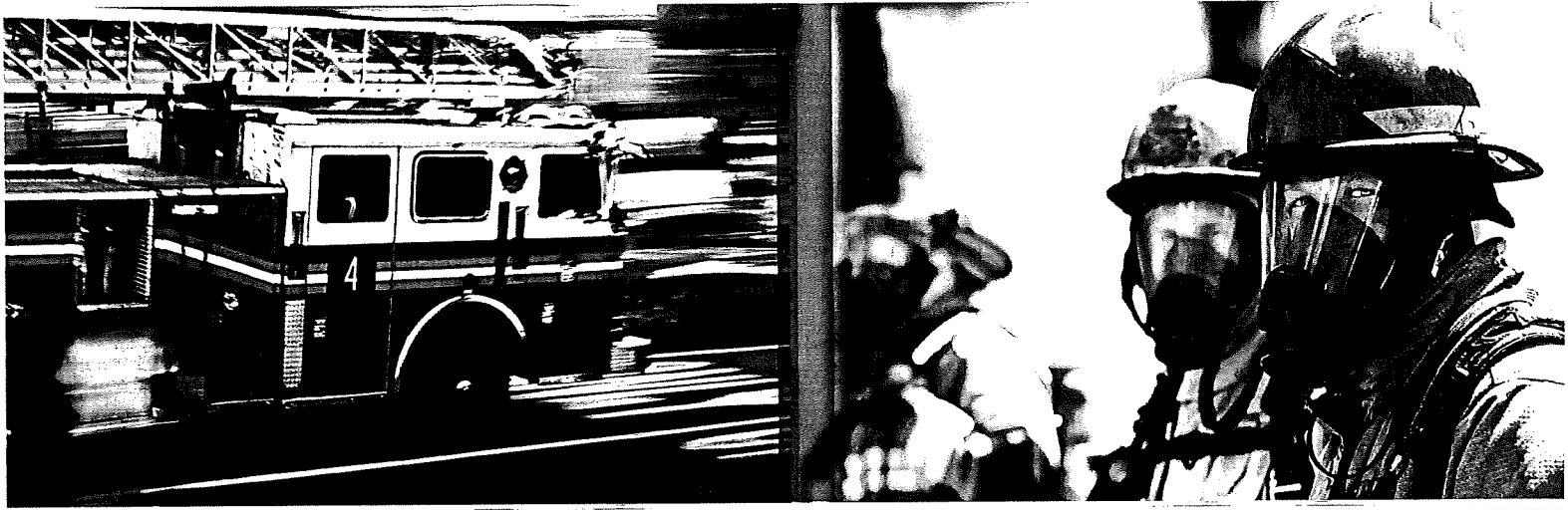


OPTICOM™ | Emergency Vehicle Preemption solutions

Change the way your city movesSM



GLOBAL TRAFFIC TECHNOLOGIES

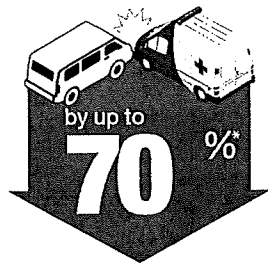


OPTICOM™ HELPS TO SAVE LIVES AND PRESERVE RESOURCES

Emergency responders are the lifeline of their communities. Delays in arriving to the scene can put property and lives at risk. Even their own. That's why fire, EMS and police agencies choose Opticom Emergency Vehicle Preemption (EVP) solutions. GTT's reliable, scalable systems help to ensure safer, faster on-scene arrival—while maximizing resources and the investment.

Although capital budgets are sometimes scarce, there's a cost for doing nothing. Opticom helps make sure responders get to emergencies quickly and safely. With signal preemption, the likelihood of crashes can be reduced and responses can take less time. This all leads to better outcomes and savings.

REDUCE
INTERSECTION
CRASH
RATES



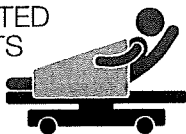
IMPROVE
RESPONSE TIMES

by up to
25%*



OPTICOM™ BENEFITS

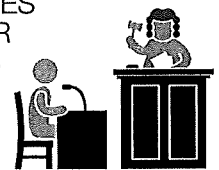
PREVENT
INJURIES
AND
RELATED
COSTS



OFFER **QUICK
PAYBACK**
ON YOUR
INVESTMENT



DECREASE
LIABILITY
FOR CRASHES
WITH OTHER
MOTORISTS



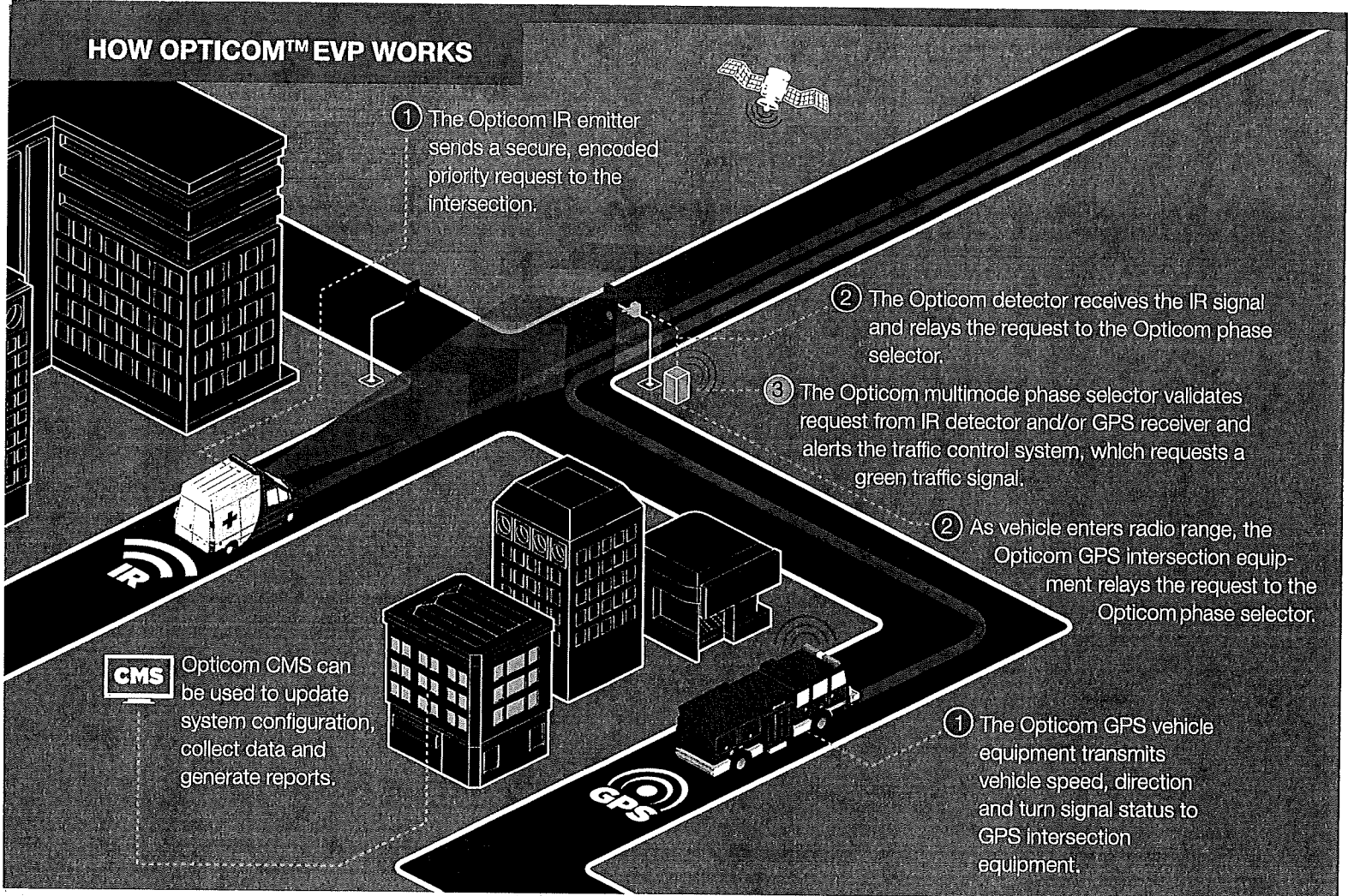
*Independent studies available upon request



GET TO THE SCENE QUICKLY AND SAFELY.

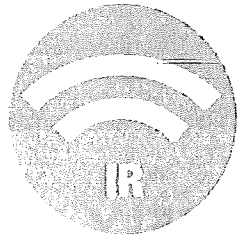
Emergency vehicles using Opticom EVP request preemption from the traffic signal when responding to an emergency. Traffic is able to move out of the way for the emergency vehicle while cross traffic is stopped from entering the responders' path. The result is fewer crashes and faster arrivals. For a complete priority control system, Opticom EVP components are designed to coexist with Opticom Transit Signal Priority solutions.

HOW OPTICOM™ EVP WORKS



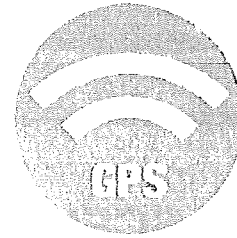
POWERFUL PLATFORMS ENABLE FASTER ARRIVALS

Whether you choose the legacy IR-based systems or the most technologically-advanced GPS-enabled platform, GTT's Opticom™ EVP solutions are built to meet the needs of departments of all sizes.



SINCE 1968

Legacy solution that uses coded infrared transmitters and receivers to enable EVP via line-of-sight.

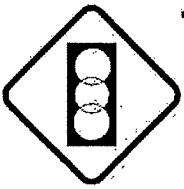


SINCE 2002

Using powerful, precise algorithms and a purpose-built radio, the Opticom GPS-enabled system allows EVP over hills and around corners, even in poor weather conditions.

HOW THEY COMPARE

	IR	GPS
Reduces intersection crash rates by up to 70%	<input type="radio"/>	<input type="radio"/>
Improves response times by up to 25%	<input type="radio"/>	<input type="radio"/>
Managed services available to keep system running optimally	<input type="radio"/>	<input type="radio"/>
Multimode operation for staggered upgrades and interoperability	<input type="radio"/>	<input type="radio"/>
Coded IR communications between vehicles and intersections	<input type="radio"/>	
Secure GPS and radio-enabled communications system		<input type="radio"/>
Ability to transmit and receive around corners and over hills		<input type="radio"/>
Minimal maintenance cost for vehicle and intersection equipment		<input type="radio"/>
Activate signal preemption based on estimated time of arrival or distance		<input type="radio"/>
Vehicle and intersection analytics for smarter operations		<input type="radio"/>
IntelliGreen system for a green light when leaving the station		<input type="radio"/>



TRAFFIC CONTROL CORPORATION

5651 MEMORIAL AVENUE
OAK PARK HEIGHTS, MN 55082
PHONE: 651-439-1737

QUOTATION

Number 652566

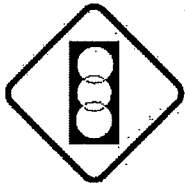
Page: 1 of 2

To: WTRTWN WI WATERTOWN FIRE DEPT 106 JONES STREET WATERTOWN WI 53904 USA	Quote Date: 6/8/2023 Expires: 8/7/2023 Terms: NET 30 BASED ON APPROVED CREDIT FOB: DESTINATION-FRT-INCLUDED Salesperson: ALLEN EISINGER Email: AEisinger@TCC1.com Phone: 651-439-1737
Attn: Email: Phone: Fax:	

Letting Date:	Location: WATERTOWN, WI
Book / Call / Item:	Description: APPLIED INFORMATION SYSTEM
Contract No:	

Part Number / Description	Unit Price	Qty/UM	Net Price
APPLIED INFORMATION - FIELD MONITORING UNIT * SHELF MOUNT FMU WITH GLANCE PREEMPT & PRIORITY VIDEO CAPABILITY, 4 PORT ETHERNET SWITCH, CONFIGURATION & LICENSE INCLUDED * INCLUDES GLANCE SOFTWARE SYSTEM TRAINING	3,200.00	12.00 EA	38,400.00
CONNECTIVITY & GLANCE CLOUD APPLICATION 10 YEAR SERVICE EXCLUDES VIDEO * INTERSECTION CONNECTIVITY & SUPPORT FROM TCC & AI INCLUDES: * 10 YEARS OF SERVICE * GUARANTEED CONNECTIVITY WITH NO OVERAGE CHARGES * UPGRADE OF CELL MODEM WHEN TECHNOLOGY CHANGES * PHONE/EMAIL SUPPORT FROM AI * EXTENDED WARRANTY ON HARDWARE * OVER-THE-AIR SOFTWARE UPDATES * AI CONNECTED VEHICLE SERVICE - "TRAVELSAFELY"	3,150.00	27.00 EA	85,050.00
VPU - VEHICLE PREEMPT UNIT W/ GLANCE VPU - VEHICLE PREEMPT UNIT: APPLIED INFORMATION, AI-500-065 WITH GLANCE **DOES NOT INCLUDE INSTALLATION**	2,550.00	15.00 EA	38,250.00

Installation
\$16,500



TRAFFIC CONTROL CORPORATION

5651 MEMORIAL AVENUE
OAK PARK HEIGHTS, MN 55082
PHONE: 651-439-1737

QUOTATION

Number 652566

Page: 2 of 2

Part Number / Description	Unit Price	Qty/UM	Net Price
FIELD SERVICE	1,000.00	12.00 EA	12,000.00
TCC TECH TO INSTALL, CONFIGURE AND INTEGRATE APPLIED INFORMATION EQUIPMENT AND DRIVE TEST			

Item Total: 173,700.00
Misc Charges and Adjustments: 0.00

Quote Total:	173,700.00
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Project: Vehicle Communication System
Location: City of Watertown
Limits:



Project: Vehicle Communication System
Location: City of Watertown
Limits:



Estimate Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Estimate Amount	Estimate Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Estimate Amount	
0002	204.0100	1991 EACH	\$6.23	\$12,403.93	0002	Onsite Service Call	1 EACH	\$65.00	\$65.00	
0004	204.0110	177 EACH	\$1.50	\$265.50	0004	Installation Supplies	1 EACH	\$50.00	\$50.00	
0006	204.0150	600 EACH	\$3.25	\$1,950.00	0006	Install Opticon In Apparatus	10 EACH	\$115.00	\$1,150.00	
0008	204.0155	182 EACH	\$5.64	\$1,026.48	0008	OSP/C Card w/ Confirmation	1 EACH	\$2,400.00	\$2,400.00	
0010	204.0210	4 EACH	\$777.00	\$3,108.00	0010	Detec Detector w/ Light Removing Manholes	1 EACH	\$1,720.00	\$1,720.00	
				Estimated Subtotal:					\$18,753.91	\$600.00
				Contingencies:					12 EACH	\$10,000.00
				Estimated Total:					10 EACH	\$4,000.00
				\$18,753.91					\$40,000.00	\$40,000.00

Participating Construction #REF!
 Non-Participating Construction #REF!

Participating Construction
 80% Federal #REF!
 20% Municipality #REF!

Participating Construction #REF!
 Non-Participating Construction #REF!

Participating Construction
 80% Federal #REF!
 20% Municipality #REF!

w Vehicle Communication System
 Location: City of Watertown
 Limits:



Estimate Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Estimate Amount
0002	Onsite Service Call	1 EACH	\$65.00	\$65.00
0004	Installation Supplies	1 EACH	\$50.00	\$50.00
0006	Install Opticom in Apparatus	10 EACH	\$115.00	\$1,150.00
0008	OSPIC Card w/ Confirmation	1 EACH	\$2,400.00	\$2,400.00
0010	Detoc Detector w Light	1 EACH	\$1,720.00	\$1,720.00
	Cable, Optical Detector	1 EACH	\$600.00	\$600.00
	Streetlight Installation	1		
		12 UNITS	\$10,000.00	\$120,000.00
	First Year Start-up/Training	12		
		12 UNITS	\$4,000.00	\$40,000.00
			Estimated Subtotal:	\$165,985.00
			Contingencies:	\$0.00
			Estimated Total:	\$165,985.00

Participating Construction #REF!
 Non-Participating Construction #REF!

Participating Construction	
80% Federal	\$132,788.00
20% Municipality	\$33,197.00

Review and take possible action: Approve submittal of WisDOT Carbon Reduction Grant for Fire Department Vehicle-to-Infrastructure Communications System

Wisconsin Department of Transportation (WisDOT) offered a new grant program this year to assist communities in reducing air pollution through transportation improvement systems. City staff evaluated the WisDOT Carbon Reduction Grant and identified a vehicle-to-infrastructure communications system for the Fire Department to apply for. The proposed project would include communications equipment to reduce emissions, improve traffic flow and improve safety. The system will allow emergency vehicles to communicate with stoplights to allow emergency vehicles to travel with the flow of traffic.

The proposed equipment would retrofit 10 fire department trucks and ambulances. 12 streetlights will be outfitted with the communications equipment to receive information from the trucks and ambulances. The cost of installation has been included in the overall grant application total.

The Carbon Reduction Grant offers an 80% state cost share. Costs in 2023 have been reduced due to promotional incentives. The 2023 overall cost is quoted at \$55,985.00. A WisDOT Carbon Reduction Grant would pay for 80% of this cost (\$44,788.00), with the City being responsible for \$20 cost-share of \$11,197.00. The City's share is proposed to come out of one of the following accounts:

- 2% Fire Dues [\$98,780 balance]- under the provision of "purchase of fire protection equipment"
- WI DHS Funding Assistance Program (FAP) ARPA Supplement [\$24,390]- unplanned receipt of funding required to be spent by August 31. Funds must follow FAP eligibilities which includes "non-routine safety upgrades to existing vehicles" and the wide category of "communications."
- ARPA interest earnings
- General Fund balance

Without this grant or the promotional incentives, the overall cost of purchasing and installing this equipment is quoted at over \$190,000.

The Fire Department seeks approval of a resolution to apply for this grant opportunity with the Mayor identified as the authorized representative of the City.

Travis Teesch

From: Pope, Larry <larry.pope@gtt.com>
Sent: Thursday, April 6, 2023 4:33 PM
To: Travis Teesch
Subject: Pricing of Cloud preemption with Whelen VSG

Travis,

Sorry for the delay but I wanted to give you as accurate of price for the cloud as possible.

There are several ways to deploy the preemption as we discussed yesterday. Earlier today I gave you an estimate based on a distributed gps deployment where I estimated the costs based on historical knowledge and I think it came in around:

1. Option 1 (GPS), no cloud, no Whelen, no communications from the vehicle, or to the intersection necessary.
12 intersections x 10K/intersection= \$120K
10 vehicles x 4K/vehicle= 40K
\$160K

(Whelen VSG doesn't figure in Option 1, nor are there any annual fees)

The other 2 options, both utilized Whelen and are cloud based. They provide communications from the vehicle (via Whelen, and communications to the intersection)

1. Option A- Full CapX purchase. No annual fees, and all cloud.
Same configuration as above Approx \$228K and is a 10 yr contract.
2. Option B- Annual fee for 10 yrs at approx. \$26K/yr

In all instances, everything necessary for preemption is included in these prices.
Hope this help. Please call with questions.

larry

Larry Pope
Regional Manager
Cell 651- 245-8709
Larry.pope@gtt.com



Global Traffic Technologies, LLC.
7800 Third Street North, Bldg 100
St. Paul, MN 55128-5441
United States
www.gtt.com

Monthly service included

***For Customer Support, please contact: CustomerCare@GTT.com, or phone (800) 258-4610.

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