



CITY of NOVI CITY COUNCIL
Agenda Item C
April 15, 2019

SUBJECT: Approval to purchase Wonderware Human Machine Interface Software and associated equipment for the Novi Police Department from CBTS for \$40,125 through a General Services Administration (GSA) contract.

SUBMITTING DEPARTMENT: Public Safety – Police

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CITY MANAGER APPROVAL:

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EXPENDITURE REQUIRED	\$40,125
AMOUNT BUDGETED	\$40,500
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	101-301.00-980.000

BACKGROUND INFORMATION:

Approved in the 2018-19 Budget was the replacement of the TalkMaster System for the Novi Police Department. The Talkmaster system provides communication between dispatchers to the jail cell area, booking, and back entrance gate. This system is a vital link of communications for dispatchers to prisoners in the jail cells. Talkmaster is also used to monitor prisoners that are under observation. The current system is over 10 years old and at end of life and there is no integration between the door control, monitoring, intercom and video system. Talkmaster application software is no longer supported for service and software update maintenance is not available. If the current system fails it would be almost impossible to recover this system.

The new Wonderware Human Machine Interface software will provide our four (4) dispatch workstations with the capability of being able to independently communicate with all of the intercom stations within each jail cell and back entrance to the police department. The upgrade will be completely digital and allow for our CCTV video to visually become color highlighted on the dispatch monitor when the system detects activity in a particular jail cell. The system will be more reliable, serviceable, and provide greater situational awareness in our lockup facility.

The purchase will be made through a General Services Administration (GSA) contract.

RECOMMENDED ACTION: Approval to purchase Wonderware Human Machine Interface Software and associated equipment for the Novi Police Department from CBTS for \$40,125 through a General Services Administration (GSA) contract.



MEMORANDUM

TO: DAVID E. MOLLOY
DIRECTOR OF PUBLIC SAFETY/ CHIEF OF POLICE

FROM: SCOTT R. BAETENS *SB*
ASSISTANT CHIEF OF POLICE-SUPPORT SERVICES

SUBJECT: INTERCOM SYSTEM UPGRADE

DATE: MARCH 29, 2019

Approved in the 2018-19 Budget was the replacement of the TalkMaster System for the Novi Police Department. The Talkmaster system provides communication between dispatchers to the jail cells, booking, and the back entrance gate. This system is the vital link of communication between dispatchers and prisoners in our jail cells. The current system is over 10 years old, at end-of-life, and there is no integration between the door control, monitoring, intercom, and video system. The Talkmaster application software is also no longer supported for service and software update maintenance is not available. If the current system fails it would be almost impossible to recover and render our lodging facility inoperable.

The preliminary budgetary estimation for the upgrade from CBTS/Cornerstone was for \$26,154 back in 2017. We budgeted \$27,500 for the project with their final quote coming in at \$66,826. Through several months of meetings and researching other potential options, it was discovered that CBTS/Cornerstone has captured the market with jails and police departments around the country and were still the most appropriate vendor for our needs. Their quote was revised to \$40,125 to satisfy the requirements of our agency without any unnecessary extras.

The new Wonderware Human Machine Interface software will provide our four (4) dispatch workstations with the capability of being able to independently communicate with all of the intercom stations within each jail cell and the back entrance to the police department. The upgrade will be entirely digital and allow for our CCTV video to visually become color highlighted on the dispatch monitor when the system detects activity in a particular jail cell. The system will be more reliable, serviceable, and provide greater situational awareness in our lockup facility.

I am recommending approval to purchase the Wonderware Human Machine Interface Software and its associated equipment through a General Services Administration (GSA) contract at a price of \$40,125.



1095 Crooks Road
 Suite 100
 Troy, MI 48084
 248.654.3600

Quote Schedule A

Novi City of
 Intercom Technology
Quote #: 130254
 March 26, 2019
 Page: 1 of 1

BILL TO: Novi City of
 45175 West Ten Mile Road
 Attn: Finance Dept
 Novi, MI 48375
CONTACT Rob Petty
 PHONE (248)756-7623

SHIP TO: Novi City Hall/Police Dept.
 45175 W. Ten Mile Road
 Novi, MI 48375
CONTACT Pat Oleszkowicz
 PHONE (248)762-5358

Terms: NET 30
Sales Rep:
 Mitchell, Charlie D
Phone:
 (248)654-3623 EXT
Email:
 Charlie.Mitchell@CBTS.com
Revision: 3

Intercom Technology

QTY	PART DESCRIPTION	NET PRICE	TOTAL PRICE
<u>CITY OF NOVI POLICE DEPARTMENT</u>			
<u>Intercom Upgrade</u>			
<u>Please refer to the Scope of Work for details.</u>			
1.00	HMI Software and Programming	\$12,356.00	\$12,356.00
1.00	Four Audio Amplifiers	\$4,878.00	\$4,878.00
1.00	Four Relay Panels	\$7,672.00	\$7,672.00
1.00	Speakers	\$416.00	\$416.00
1.00	Project Services - Implementation	\$9,268.00	\$9,268.00
41.00	System Engineer	\$135.00	\$5,535.00
<u>Warranty: 12 Months on HMI/Intercom</u>			

COMMENTS

MATERIAL:	\$25,322.00
LABOR:	\$14,803.00
SUBTOTAL:	\$40,125.00
TAXES:	\$0.00
TOTAL:	\$40,125.00

CBTS Standard Purchase Terms and Conditions apply
Proposal price valid for 30 days
Warranty terms as specified in proposal
Proposal incorporates Scope of Work and all assumptions

... your communications technology partner

Customer Signature:	Date:	CBTS Signature:	Date:
Printed:	Title:	Printed:	Title:



Police Department
45125 West 10 Mile Road, Novi, Michigan

Intercom
Scope of Work – Description



Consult Build Transform Support

Presented by:

Charlie Mitchell / Sales Consultant

1095 Crooks Road, Troy, Michigan, 48084

248-654-3623

charlie.mitchell@cbts.com

Novi Police Department Intercom Technology

Please find the following description and scope of services along with the proposal Schedule A # 129179. The Scope of Work was derived from the City of Novi.

This document will provide the description and scope of an upgrade of the current door control - monitoring and intercom functions at the Novi Police Department.

Current State

The current TalkMaster EE is an end-of-life product and there is no integration between the door control, monitoring, intercom and video system. The serviceability is limited, and the risk for an outage is high.

Proposed

This proposal will provide an upgrade of the current intercom functions and additions at the Novi Police Department. The current Tal-Master EE is an end-of-life product.

The scope does not reflect an upgrade or maintenance of TalkMaster systems.

Following our site visit and telephone calls with the re-direction given, we have revised our prior proposal as follows:

The following approximate quantities and we guarantee that all controlled points will be included.

1. Existing system upgrade Central Control consisting of:
 - a. Four (4) Master Control Operator stations with control, monitoring and intercom masters. They have existing workstations that handle other City software programs and applications.
 - b. 2 – Cells with local electric lock and monitoring indication DPS, not displayed by any system,
 - c. 8 – Cell Door monitoring indications DPS (displayed on the Pelco system but currently not operational)
 - d. 1 – Dispatch lock control and DPS monitor switch (via only by the radio screen)

- e. 2 – Vehicle Sally Port overhead door control and monitoring (via only by the radio screen)
 - f. 4 – TalkMaster EE IP based intercom system, version EE
 - i. 10 – Cell ceiling speaker Intercom locations
 - ii. 6 – entry door intercom stations
 - iii. 1 – Gate entry intercom with remote “open” capability
 - g. 22 – Video cameras
 - h. 2 – 42” wall flat screen (5+1 view) (16 view)
 - i.2 – Pelco NVR Digital Sentry recorders
2. New equipment to be provided:
- a. Four (4) Master Control Operator stations with control and intercom masters, where we will remove the Talk Master software and install new Wonderware Human Machine Interface (HMI) software. We recommend that new Dell workstations and touch screen monitors be installed (to be provided by the City). Existing City applications can be re-installed.
 - i. The HMI will have a graphical display of intercoms with future capabilities for door control and camera icons,
 - ii. The HMI will annunciate all intercoms, connect with two-way conversations,
 - 1. 1 – Teck-Works intercom system with up to 16 stations and paging capability,
 - a. 10 – Reconnect existing Cell ceiling speaker Intercom locations, repair wiring as needed, b. 6 – Reconnect existing entry door intercom stations, repair wiring as needed
 - c. 1 – Reconnect existing Gate entry intercom with remote “open” capability.
 - d. Add a speaker in Booking area
 - e. Add a speaker in Arraignment area
 - b. The existing Pelco CCTV System is not covered by this scope except we will integrate a video call up feed on the TS Workstation in PIP or full screen display. All Pelco programming is by CBTS.

Narrative

The system will provide four (4) dispatch workstations (working independently, first-come-first-served) with the capability of being able to communicate with all the intercom stations or speakers. The CCTV cameras will automatically display when intercoms call-in are selected or if the HMI camera icon is selected, in a picture-in-picture (PIP) or full screen at the Operator monitor.

All equipment is industry standard and utilized by several SE Michigan law enforcement agencies.

Project task completion by Cornerstone and CBTS.

Work includes all engineering, submittals, material, fabrication, programming, testing, training, close out documents and a one-year warranty.

Servers, monitors, cabling, furniture, network infrastructure are not included in the scope of services and will be provided by the City of Novi.

The estimation lead time is 60 days, with a minimum of one week onsite at the City of Novi Police Department.

Thank you for the opportunity and we look forward to working with the City of Novi Police Department.