



CITY COUNCIL AGENDA ITEM

Date: 10/9/13

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Director
Gert Paraskevin, IT Director
Gary G. Mayer, Chief of Police

Subject: Bid Waiver: Pelco Camera System and Access Control System Expansion.

History

In 2012, the Police department upgraded its video security camera system to the Pelco Endura enterprise camera system with the anticipation of expanding this system citywide. The Original Access Control System associated with this camera system was installed during the 2004 Police and Fire building renovation and addition project. It has expanded to an additional 13 city buildings and/or locations.

The expansion of both the Endura System and the Access Control System to City Hall includes the installation of 25 new high definition (HD) cameras in the interior public areas, the addition of 5 doors to the access control system, and the network equipment needed to support the new infrastructure. The goal of this project is to increase the security and safety of the public and city staff by providing the Police Communications Section personnel with the ability to observe the activities in City Hall from the existing Endura video wall.

The project also includes converting the existing independent Pelco camera system at the Police and Fire Training Center (4850 John R Road) to the new Endura System. It includes the network and storage equipment needed to support the new infrastructure. Note; that based on the ICMA study, the police personnel at this building were relocated to the Police Department, leaving the building unoccupied when no training is in progress. This project will allow the Police Communications Section to observe the building on the existing Endura video wall.

The project will also add 15 new HD cameras in the interior, and 2 new HD cameras monitoring the entry door of the Police Department Property Room. The project also includes additional video storage for these new cameras. This is intended to assist in maintaining the legally required 'chain of custody' of property stored in this location by recording the handling of the property.

At the completion of this project, the total City of Troy camera count will be 228, of which 143 will be a part of the new citywide Endura System. This project also provides the compatible equipment, which allows for the expansion of the system to the remaining buildings with aging independent systems. These locations include the Library, Community Center, DPW, and the Parks and Recreation Building.



CITY COUNCIL AGENDA ITEM

Purchasing

- SimplexGrinnell Fire Protection and Security Services provided the security system during the Police and Fire building renovation and addition project completed in 2004. SimplexGrinnell was the primary contractor and responsible for installation and programming of this complex and comprehensive system.
- The Police Department has been utilizing the maintenance services of SimplexGrinnell since 2005 as per CC Res {2005-12-557-F10}. The rates have not changed since 2005; however the list of components has expanded to cover ongoing maintenance activities.
- Due to the complexity of the system, it is recommended to use the company, who initially programmed the system, maintains the software application, provides ongoing service and also has the knowledge to understand the integration between the Pelco system and our access control system. Additionally, knowledge is required and necessary for the total integration of the access control system.
- SimplexGrinnell has installed the camera and/or access control systems at the City Hall Offices, Library, Community Center, Police and Fire Training Center, Aquatic Center, Nature Center, DPW Building, Parks and Recreation Garage, Fire Storage Building, all six Fire Stations and the Transit Center.
- As per CC Res {2009-02-047-F-04d} City Council approved an *ongoing* proprietary service agreement with SimplexGrinnell to provide materials, and labor to *maintain* the Integrated Security management System. Consequently over the last nine years, the Police Department has built a strong ongoing working relationship with SimplexGrinnell. Security of our buildings is top priority and SimplexGrinnell is one of only a few vendors that are allowed to work in our building unsupervised.
- SimplexGrinnell has learned how our operation works and can install and/or integrate systems with little input from department staff.

Financial

It is proposed that the approved Capital funds contained in FY 2013/14 from Police Administration Office Renovations accounts be used to complete this project.

Recommendation

City management requests approval to utilize the ongoing contract with Simplex Grinnell of Farmington Hills, an authorized licensed installer in Michigan to purchase and install the Pelco Endura and access control equipment at an estimated cost of \$197,000.00, as detailed in the attached quotations dated 9/18/2013.

Prepared by: Ryan Wolf, Research and Technology Administrator

Initials of Author, Preparer and File Location, for example: BK/bt\AGENDA ITEMS\01.14.13 – Memo Name

tyco

Fire & Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Date	Quotation No.
	18-Sep-13 520415-0422-13-01
Vendor Code No.	

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

TO: **City Of Troy Police Dept.**
 500 West Big Beaver Road
 Troy, MI. 48084

Attn: Ryan Wolf

Job Name and Address Request for Quotation
Troy City Hall Building
Camera Addition

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
	1 2
UNIT PRICE	EXTENSION

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
			<p>*** TROY / CITY HALL / CAMERA ADDITION ***</p> <p>FURNISH MATERIALS AND LABOR SERVICES TO INSTALL (25) SURVEILLANCE CAMERA TO MONITOR AND RECORD THE FIRST AND SECOND FLOORS OF CITY HALL BUILDING. THIS WORK WILL CONSIST OF THE FOLLOWING:</p> <p>SCOPE OF WORK:</p> <ul style="list-style-type: none"> - FURNISH AND INSTALL (1) STANDALONE 4 CHANNEL ENCODER IN TV STUDIO EQUIPMENT RACK. - FURNISH AND INSTALL (1) PELCO VMS WORKSTATION. - FURNISH AND INSTALL (12) FIXED POSITION CAMERAS ON THE FIRST FLOOR OF THE CITY HALL FACILITY. - FURNISH AND INSTALL (13) FIXED POSITION CAMERAS ON THE SECOND FLOOR OF THE CITY HALL FACILITY. - FURNISH AND INSTALL (1) VCD WITH KEYBOARD AT THE SECOND FLOOR CITY MANAGER'S OFFICE. - FURNISH AND INSTALL (1) CAT 6 CABLE, JACK AND PATCH CORD FOR EACH NEW CAMERA. - FURNISH AND INSTALL (3) CAT 6 CABLES FROM THE MDF TO THE CITY MANGER'S OFFICE. - FURNISH AND INSTALL (1) CAT 6 CABLE FROM MDF TO THE IDF ON THE 2ND FLOOR FOR AN UPLINK CONNECTION. - FURNISH AND INSTALL (2) 24 PORT CAT 6 PATCH PANELS. - FURNISH AND INSTALL (1) 2" DIAMETER FLOOR CORE AND SLEEVE. - FURNISH WIRE TERMINATIONS AND TESTING. - FURNISH SYSTEM PROGRAMMING AND START-UP. 		

SIMPLEXGRINNELL offers to furnish the above, subject to the terms and conditions appearing on the face and on the reverse side hereof, for the sum of

THIS QUOTATION DOES NOT INCLUDE ANY TAXES, INSTALLATION, INSTALLATION MATERIALS OR ANY LABOR OR SERVICES UNLESS SPECIFIED ABOVE.

Any alteration or change from the above will be performed following the acceptance by SIMPLEXGRINNELL of Purchaser's Written Order and will become an additional cost at GINNELL then current charges. This Quotation automatically expires 30 days from the date shown above. All orders are subject to acceptance by SIMPLEXGRINNELL.

By: SIMPLEXGRINNELL	TITLE	J.KEITH SALES
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
Purchaser	Date	u:\city of troy\city hall\camera add.xls
		P.O. No.

By: _____ Title _____

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

Date	Quotation No.
18-Sep-13	520415-0422-13-01
Vendor Code No.	

TO: City Of Troy Police Dept.
500 West Big Beaver Road
Troy, MI. 48084

Attr: Ryan Wolf

Job Name and Address Request for Quotation
Troy City Hall Building
Camera Addition

Shipping Terms F.O.B. Shipping Point

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	Project/Reference No.	Page of
				UNIT PRICE	EXTENSION
			MATERIALS AND SERVICES:		
1	1	NET5404T	PELCO ENCODER H.264 COMPRESSION, 4 CHANNEL ENCODER	\$994.00	\$994.00
2	1	WS5070-US	PELCO WORKSTATION w/WS5200-1 SOFTWARE, US POWER CORD	\$3,421.00	\$3,421.00
3	25	IMSOC10-1	SARIX™ IM NETWORK FIXED INDOOR MINI DOME CAMERA STANDARD DEFINITION COLOR VARI-FOCAL LENS 2.8-10MM WHITE CLEAR DOME W/ LINER	\$365.00	\$9,125.00
4	25	IE-P	PENDANT MOUNT LIGHT GREY SARIX™ IE SERIES	\$54.00	\$1,350.00
5	25	MRCA	CEILING ADAPTER FOR DOMES AND MR3000, MR3050, MR4000	\$25.00	\$625.00
6	1	VCD5202-US	VIDEO CONSOLE DISPLAY, US POWER CORD	\$3,422.00	\$3,422.00
7	1	KBD5C00	ENDURA KEYBOARD ASSEMBLY	\$1,168.00	\$1,168.00
8	8	HOUR	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$1,328.00
9	8	HOUR	PROJECT MANAGEMENT	\$90.00	\$720.00
10	24	HOUR	SYSTEM COMMISSIONING / PROGRAMMING / TEST & CHECK-OUT	\$115.00	\$2,760.00
11	1	LOT	ELECTRICAL INSTALLATION & MATERIALS	\$20,493.00	\$20,493.00
TOTAL:					\$45,406.00
<p>NOTES & CLARIFICATION TO OUR BID:</p> <p>1) SIMPLEXGRINNELL STANDARD TERMS AND CONDITIONS APPLY.</p> <p>2) WARRANTY IS FOR ONE YEARS.</p> <p>3) ALL WORK QUOTED BASED ON NORMAL WORKING HOURS MONDAY - FRIDAY, 7:30AM - 4:30PM.</p> <p>4) OWNER TO FURNISH NETWORK CONNECTION.</p> <p>5) OWNER TO FURNISH POE NETWORK SWITCH.</p> <p>6) VIDEO STORAGE IS NOT INCLUDED.</p>					

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SIMPLEXGRINNELL By: _____ TITLE _____

ACCEPTANCE OF QUOTATION Purchaser _____ The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.

Date _____ P.O. No. _____ Title _____

SimplexGrinnell

A Division of TYCO International

Date	Quotation No.
18-Sep-13	520415-0905-12-02
Vendor Code No.	

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

TO: **City Of Troy Police Dept.**
500 West Big Beaver Road
Troy, MI. 48084

Attn: Ryan Wolf

Job Name and Address
City Of Troy
Fire Department
Training Facility - Camera Encoders
Request for Proposal

Shipping Terms F.O.B. Shipping Point

Project/Reference No.	Page of
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ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	EXTENSION
1	1	LOT	<p>*** CITY OF TROY / FIRE TRAINING CENTER / CAMERA ENCODERS ***</p> <p>FURNISH MATERIALS AND LABOR SERVICES TO INSTALL (8) TWO CHANNEL CAMERA ENCODERS WITH ASSOCIATED RACK AND POWER SUPPLY AT THE CITY TROY FIRE TRAINING CENTER. THIS WORK CONSIST OF THE FOLLOWING SCOPE OF WORK:</p> <p>CITY TROY FIRE TRAINING CENTER:</p> <ul style="list-style-type: none"> - INSTALL (8) TWO CHANNEL ENCODER TO TRANSMIT EXISTING ANALOG CAMERAS. - INSTALL (1) CARD CAGE AND POWER SUPPLY. - INSTALL (1) NETWORK STORAGE MANAGER 6TB. - MAKE NECESSARY TERMINATIONS AND CONNECTIONS TO TO CAMERAS AND NETWORK SWITCHES. - PROVIDE SYSTEM PROGRAMMING AND START-UP. <p>MATERIALS AND SERVICES:</p>		
2	8	NET5402T	PELCO ENCODER H.264 COMPRESSION, 2 CHANNEL ENCODER	\$712.00	\$5,696.00
3	1	RK5200PS-5U-US	PELCO RACK MOUNT CARD CAGE W/ DUAL POWER SUPPLY.	\$2,376.00	\$2,376.00
4	1	NSM5200-06-US	PELCO NETWORK STORAGE MANGER, 6TB US POWER CORD	\$12,225.00	\$12,225.00
5	2	HOUR	SYSTEM ENGINEERING AND DESIGN	\$166.00	\$332.00
6	8	HOUR	SYSTEM PROGRAMMING	\$115.00	\$920.00
7	4	HOUR	SYSTEM TEST, CHECK-OUT AND START-UP	\$115.00	\$460.00
TOTAL:					\$22,009.00

NOTES & CLARIFICATION TO OUR BID:

- 1) SIMPLEXGRINNELL STANDARD TERMS AND CONDITIONS APPLY.
- 2) WARRANTY IS FOR ONE YEARS.
- 3) ALL WORK QUOTED BASED ON NORMAL WORKING HOURS
MONDAY - FRIDAY, 7:30AM - 4:30PM.
- 4) OWNER TO FURNISH NETWORK CONNECTION.

SIMPLEXGRINNELL offers to furnish the above, subject to the terms and conditions appearing on the face and on the reverse side hereof, for the sum of

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SIMPLEXGRINNELL	TITLE	J.KEITH
By:		SALES
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
Purchaser	Date	U:\TROY\FIRE\CAMERA ENCODERS.XL
		P.O. No.

By: _____ Title _____

SimplexGrinnell

A Division of TYCO International

QUOTATION

Issuing Office 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

TO: **City Of Troy Police Dept.**
500 West Big Beaver Road
Troy, MI. 48084

Attn: Ryan Wolf

Date	Quotation No.
	18-Sep-13 520415-0911-13-01
Vendor Code No.	

Job Name and Address
City Of Troy Police Department
PELCO Professional Service
and Network Hardware
Phase II - Network Implementation

Shipping Terms F.O.B. Shipping Point

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	Project/Reference No.	Page of	
				UNIT PRICE	EXTENSION	1
*** CITY OF TROY / ENTERPRISE VIDEO SURVEILLANCE SYSTEM & NETWORK ***						
PHASE II - NETWORK IMPLEMENTATION:						
Provide PELCO Professional services, SimplexGrinnell technical support and Network Hardware to implement the topology of the new network switches and reconfiguration of the ENDURA enterprise video surveillance system as required.						
MATERIALS & SERVICES:						
1	4	EC4800E88-E6	AVAYA VSP 4850GTS-PWR+ with 48 10/100/1000 802.3at PoE+ & 2 S	\$4,228.90		\$16,915.58
2	4	EC4810015	AVAYA VSP4000 PREMIER LICENSE - 1 UNIT	\$2,820.05		\$11,280.19
3	8	AL4800E89-E6	AVAYA ERS 4826GTS-PWR+ with 24 10/100/1000 802.3at PoE+ & 2 S	\$2,678.93		\$21,431.42
4	1	AL4800E88-E6	AVAYA ERS 4850GTS-PWR+ with 48 10/100/1000 802.3at PoE+ & 2 S	\$3,290.45		\$3,290.45
5	12	AA1419048-E6	AVAYA 1-port 1000BASE-SX Small Form Factor Pluggable (SFP) Giga	\$190.51		\$2,286.14
6	8	AA1419049-E6	AVAYA 1-port 1000BASE-LX Small Form Factor Pluggable (SFP) Giga	\$476.04		\$3,808.36
7	1	AA1403019-E6	AVAYA SFP+ Direct Attach Cabis. 3m	\$169.34		\$169.34
8	3	AL2011022-E6	AVAYA RJ-45/DB-9 INTEGRATED CONSOLE CABLE Note: 1.5m cab	\$9.41		\$28.22
9	2	PAN-PA-200	PALO ALTO Networks VPN / Firewall Plateform	\$1,904.00		\$3,808.00
Sub-total:						\$63,017.72
10	1	AV-IPC-INSTALL	AVAYA Integration Partners (installation & config. of above hardware)			\$4,312.00
11	16	PROSRV-NET-IMP	PELCO Professional on-site services (ENDURE config. & Testing)			\$9,016.00
		Hours	SIMPLEXGRINNELL Software Based Systems technical services			\$1,840.00
Sub-total:						\$15,168.00
NOTES & CLARIFICATION TO OUR BID:						
1) SimplexGrinnell Standard Terms and conditions apply.						
2) Sales tax is not included, Owner to furnish tax exempt certificate.						
3) System design is based on a closed network topology.						
4) All new materials have a one-year warranty.						
5) All installation to be performed during normal working hours Monday - Friday 7:30am - 4:30pm.						
6) Owner to provide network cabling.						
7) Owner to make available 120VAC power.						
Sub-total:						\$78,185.72
6% Sales Tax:						Exempt
Base Bid Network Switch Deduct:						-\$2,701.00
TOTAL:						\$75,484.72

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SIMPLEXGRINNELL		TITLE		J.KEITH SALES	
By:		The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.		U:\TROY\POLICE\PROSRV NET DEGN.;	
ACCEPTANCE OF QUOTATION		Date		P.O. No.	
Purchaser		Date		P.O. No.	
By:		Title			

SimplexGrinnell

A Division of TYCO International

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

Date	Quotation No.
	18-Sep-13 520415-1018-12-02
Vendor Code No.	

TO: **City Of Troy Police Dept.**
500 West Big Beaver Road
Troy, MI. 48084

Attn: Ryan Wolf

Job Name and Address City Of Troy
Police Department
Property Room
Camera Addition

Shipping Terms F.O.B. Shipping Point

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	Page of	
					1	2
				Project/Reference No.	EXTENSION	
1	1	LOT	<p>*** CITY OF TROY / POLICE DEPT. / PROPERTY ROOM / CAMERA ADDITION ***</p> <p>PROVIDE MATERIALS AND LABOR SERVICES TO INSTALL (15) SURVEILLANCE CAMERA TO MONITOR AND RECORD THE PROPERTY ROOM AND OFFICE AREA OF THE CITY OF TROY POLICE DEPARTMENT. THIS WORK WILL CONSIST OF THE FOLLOWING SCOPE OF WORK:</p> <p>PROPERTY ROOM SCOPE OF WORK:</p> <ul style="list-style-type: none"> - INSTALL (1) CAMERA IN THE PROPERTY ROOM OFFICE AREA. - INSTALL (1) CAMERA IN THE PROPERTY ROOM BULK STORAGE AREA. - INSTALL (1) CAMERA IN THE PROPERTY ROOM TAPE BIN AREA. - INSTALL (1) CAMERA IN THE PROPERTY ROOM VAULT. - INSTALL (1) CAMERA IN THE PROPERTY ROOM WEAPONS ROOM. - INSTALL (1) CAMERA IN THE PROPERTY ROOM WEAPONS DESTRUCTION ROOM. - INSTALL (1) CAMERAS IN THE PROPERTY ROOM DRUG ROOM. - INSTALL (8) CAMERAS IN THE PROPERTY ROOM RACK ISLES. - MAKE NECESSARY TERMINATIONS AND CONNECTIONS TO TO CAMERAS AND NETWORK SWITCHES. - INSTALL NEW CABLING AND SUPPORTS TO FACILITATE INSTALLATION. - PROVIDE AND INSTALL SYSTEM STORAGE 24TB FOR VIDEO RECORDING. - PROVIDE SYSTEM PROGRAMMING AND START-UP. <p>MATERIALS AND SERVICES:</p>			
2	15	IMSOC10-1	SARIX™ IM NETWORK FIXED INDOOR MINI DOME CAMERA STANDARD DEFINITION COLOR VARI-FOCAL LENS 2.8-10MM WHITE CLEAR DOME W/ LINER	\$365.00		\$5,475.00
3	15	IE-P	PENDANT MOUNT LIGHT GREY SARIX™ IE SERIES	\$54.00		\$810.00
4	15	MRCA	CEILING ADAPTER FOR DOMES AND MR3000, MR3050, MR4000	\$25.00		\$375.00
5	1	NSM5200-24-US	PELCO NETWORK STORAGE MANAGER, FC 24TB US POWER COR	\$20,002.00		\$20,002.00
6	1	HOUR	SYSTEM ENGINEERING AND DESIGN	\$166.00		\$166.00
7	1	HOUR	PROJECT MANAGEMENT	\$90.00		\$90.00
8	16	HOUR	SYSTEM COMMISIONING / PROGRAMMING / TEST &CHECK-OUT	\$115.00		\$1,840.00
9	1	LOT	ELECTRICAL INSTALLATION & MATERIALS	\$5,067.00		\$5,067.00
TOTAL:						\$33,825.00

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By: SIMPLEXGRINNELL	TITLE	J.KEITH SALES
ACCEPTANCE OF QUOTATION	The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.	
Purchaser	Date	u:\city of troy\property room.xls
By:	Title	P.O. No.

tyco
Fire &
Security

SimplexGrinnell

A Division of TYCO International

QUOTATION

Issuing Office: 24747 HALSTED ROAD, FARMINGTON HILLS, MI. 48335

Date	Quotation No.
18-Sep-13	520415-1018-12-02
Vendor Code No.	

TO: **City Of Troy Police Dept.**
500 West Big Beaver Road
Troy, MI. 48084

Attn: Ryan Wolf

Job Name and Address City Of Troy
Police Department
Property Room
Camera Addition

Shipping Terms F.O.B. Shipping Point

ITEM	QUANTITY	MODEL NO.	DESCRIPTION	UNIT PRICE	Page of	
					2	2
				Project/Reference No.	EXTENSION	
			NOTES & CLARIFICATION TO OUR BID: 1) SIMPLEXGRINNELL STANDARD TERMS AND CONDITIONS APPLY. 2) WARRANTY IS FOR ONE YEARS. 3) ALL WORK QUOTED BASED ON NORMAL WORKING HOURS MONDAY - FRIDAY, 7:30AM - 4:30PM. 4) OWNER TO FURNISH NETWORK CONNECTION. 5) OWNER TO FURNISH POE NETWORK SWITCH. *** OPTIONAL PRICING *** PROVIDE MATERIALS AND LABOR SERVICES TO INSTALL (2) SURVEILLANCE CAMERA TO MONITOR AND RECORD THE OUTSIDE ENTRANCE TO THE PROPERTY ROOM AND OFFICE AREA OF THE CITY OF TROY POLICE DEPARTMENT			
10	1	LOT				
11	2	IMSOC10-1	MATERIALS AND SERVICES: SARIX™ IM NETWORK FIXED INDOOR MINI DOME CAMERA STANDARD DEFINITION COLOR VARI-FOCAL LENS 2.8-10MM WHITE CLEAR DOME W/ LINER	\$365.00		\$730.00
12	1	HOUR	PROJECT MANAGEMENT	\$90.00		\$90.00
13	4	HOUR	SYSTEM COMMISIONING / PROGRAMMING / TEST & CHECK-OUT	\$115.00		\$460.00
14	1	LOT	ELECTRICAL INSTALLATION & MATERIALS	\$696.00		\$696.00
TOTAL:						\$1,976.00

SIMPLEXGRINNELL offers to furnish the above, subject to the terms and conditions appearing on the face and on the reverse side hereof, for the sum of _____

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SIMPLEXGRINNELL

By: _____ TITLE _____

ACCEPTANCE OF QUOTATION Purchaser _____ The prices, specifications, terms and conditions contained herein, including the reverse side hereof, are hereby accepted.

By: _____ Date _____ P.O. No. _____

By: _____ Title _____