



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Solicitation

NUMBER
631400006

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CRYSTAL RINK 304-558-2306

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF HIGHWAYS  
 CHIEF OF INFORMATION SYSTEMS  
 BUILDING 5  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0430      304-558-0408

DATE PRINTED
12/12/2013

BID OPENING DATE: 12/18/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 02						
THIS ADDENDUM HAS BEEN ISSUED TO MODIFY THE ORIGINAL SOLICITATION PER THE ATTACHED DOCUMENTATION.						
0001	1	EA		725-84		
CABLE TELECOMMUNICATIONS DISTRIBUTION SYSTEM						
***** THIS IS THE END OF RFQ 631400006 ***** TOTAL:						

SIGNATURE		TELEPHONE		DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**SOLICITATION NUMBER:** 631400006  
**Addendum Number:** 2

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The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- | Modify bid opening date and time
- | Modify specifications of product or service being sought
- | Attachment of vendor questions and responses
- | Attachment of pre-bid sign-in sheet
- | Correction of error
- | Other

**Description of Modification to Solicitation:**

To provide answers to vendor technical questions

To provide the pre-bid meeting sign-in sheet

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

# ATTACHMENT A

**RFQ# 631400006:**  
**DOT answers to the submitted questions**

**Questions for Bid #'s 631400006**

1.) **3.1.3 Are You currently utilizing the software in ImVision?**

**3.1.3** The Structured Infrastructure Cable Telecommunications Distribution System must be compatible with the existing DOT CommScope iPatch / ImVision system.

**DOT has purchased the ImVision (iPatch) software; it is currently installed on a DOT server and is in an implementation period.**

2.) **3.1.4 The specification consists of Chatsworth, CommScope, SPI, Geist, Hager, Tripp-Lite and so on. This would not be a single manufacturer.**

**Can you please explain in further detail what you mean by this statement?**

**3.1.4 All copper cable and fiber as well as all termination and installation material used must be from a single manufacture and provide a 15 year warranty.**

**This requirement refers to the copper and fiber materials only. This would include (not limited to) cable, patch panels, outlets, faceplate, surface mount boxes, fiber jumpers, copper patch cables, and other material as required by the manufacture to meet their requirements to issue the 15 year warranty.**

3.) **Can the bid opening be delayed one week?**

**No. At this point DOT does not see a reason to delay the bid opening.**

**Technical Questions for State of WV RFQ# 631400006 (District 4 and 5 Cabling)**

- 1) Page 28, Section 3.2 indicates that there are two DMV locations (Morgantown and Fairmont). Section 3.2.1 states, "Installation of 96 Cat-6A Jacks as required"; does this mean there are 96 Cat-6A jacks in each of the two locations for a total of 192 jacks?  
**Yes. The bid would be for 96 Cat-6A jacks in each of the locations.**
- 2) Page 20, Section 1 indicates that there are 12 DOH County HQ locations in District 4 and 5. Section 3.4.1 states, "Installation of up to 36 Cat-6 Jacks as required"; does this mean there are up to 36 Cat-6 jacks in each of the twelve locations for a total of 432 jacks?  
**Yes. The bid would be for 36 Cat-6A jacks in each of the locations.**
- 3) Page 20, Section 1 indicates that there are 16 DOH Substation locations. Section 3.5.1 states, "Installation of up to 24 Cat-6 Jacks as required"; does this mean there are up to 24 Cat-6 jacks in each of the sixteen locations for a total of 384 jacks?  
**Yes. The bid would be for 24 Cat-6A jacks in each of the locations.**
- 4) It is my understanding that this project is a Prevailing Wage (Davis-Bacon Act) project. Is this correct?  
**Yes. It is a WV State construction project and by law requires prevailing wages to be paid.**
- 5) It was discussed in the Pre-bid meeting on 12/3/13 that the State desires that the Vendor have an RCDD on staff as well as current SYSTIMAX Certification. Is this a requirement of the RFQ?

The Vendor must have a **BICSI RCDD®** (*Registered Communications Distribution Designer*) with **OSP** (Outside Plant Specialty) on staff that will be ultimately responsible for this project. The RCDD must have experience in the installation of **outside plant and structured cabling telecommunications distribution systems** the size and scope as the one specified in this project. A list of the **structured cabling telecommunications distribution systems** that includes at minimum fiber connectivity between four buildings in a campus environment with 100 horizontal cabling runs in two separate buildings must be provided to display the ability of the RCDD to oversee this project. Should the RCDD assigned to this project change during the installation, the new RCDD assigned must meet all requirements of the RFQ.

The Vendor must have **CommScope, Siemon and BICSI Registered Installers and Technicians or equal** on staff and assign them to this project. The project shall be staffed at all times by certified Installers and Technicians

The vendor must provide a telecommunications technician with experience cross connecting fiber cabling, analog, and digital systems in a multi-building campus environment. A list of previous projects shall be available upon request.

The vendor must also provide a project clerk for up to 10 hours weekly as deemed necessary by The State and /or The Vendor.

**RFQ# 631400006:**  
**DOT District 4 Information from Pre-Bid & Walk Thru**

Topics discussed during the pre-bid walk thru;

➤ **Demolition of abandoned cable:**

- The vendor is responsible for the removal of abandoned cable after migration to the new cable is complete. At a minimum;
  - Abandoned Cable Removal Language Source: 2005 NEC
    - 770.3(A) Spread of Fire or Products of Combustion. "The accessible portion of abandoned optical fiber cables shall be removed."
    - • 800.52(B) Spread of Fire or Products of Combustion. "The accessible portion of abandoned communications cables shall not be permitted to remain."
    - • 820.3 Spread of Fire or Products of Combustion. "The accessible portion of abandoned coaxial cables shall be removed."
    - • 830(A) Spread of Fire or Products of Combustion. "The accessible portion of abandoned network-powered broadband communication cables shall be removed."

➤ **The available work hours:**

- As discussed, final work hours will be set with the successful vendor during the kick off meeting.
- For the purpose of this bid the vendor should plan that 75% of the time will be outside standard business hours.
- During the installation of the new cable all telephones and data appliances and existing services must not experience extended downtime.

➤ **Fiber extension:**

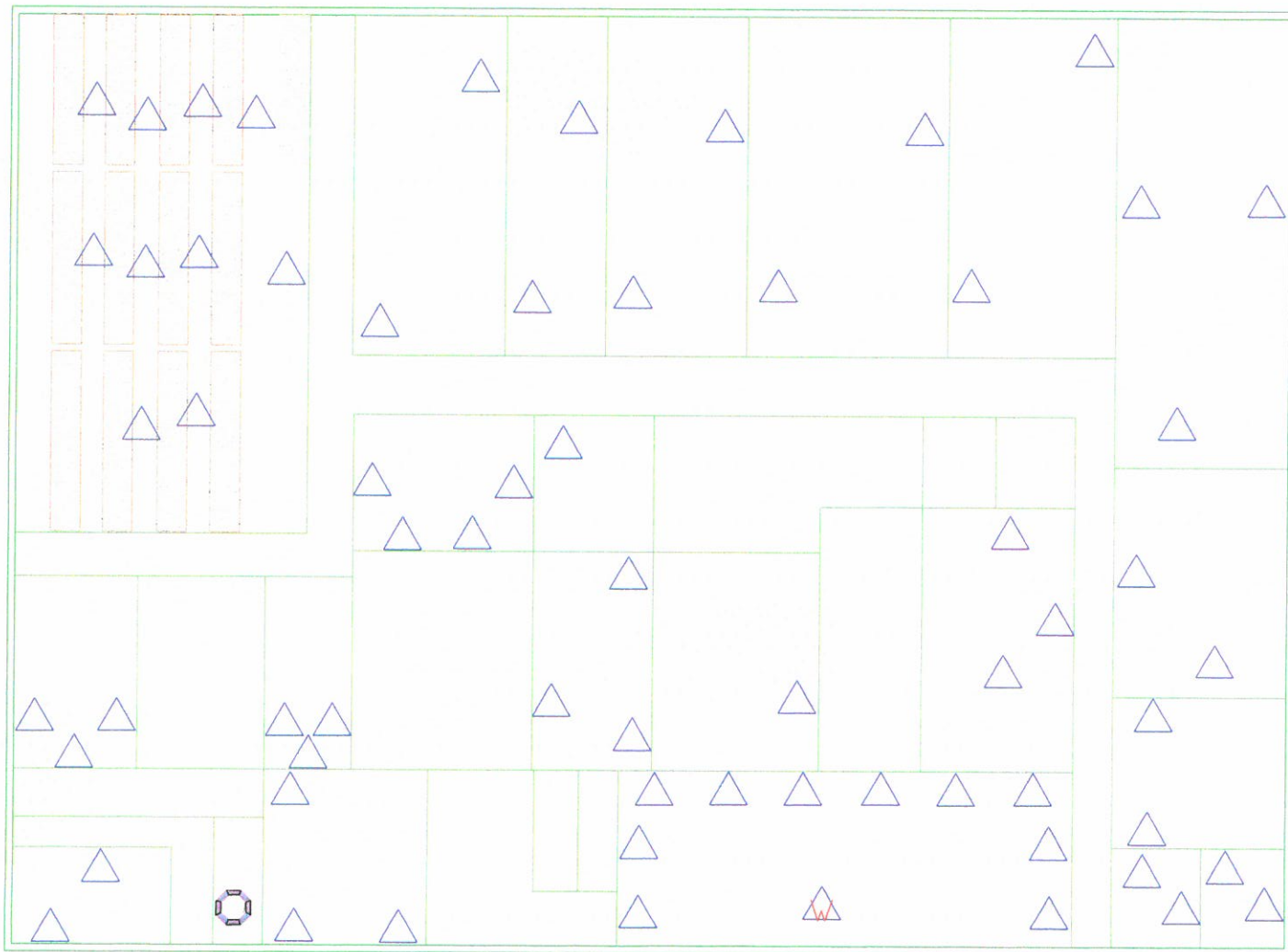
- As discussed additional fiber will be installed by the vendor connecting the Bridge Maintenance Building and the Shop.
- The vendor is responsible to provide all materials to perfect the building attachments to meet all applicable codes and standards.
- The vendor shall install the cable to allow for a minimum of 20 feet of vertical clearance between the drive area and the cable.

**RFQ 631400006 (Addendum 01)**

**BID PRICE SHEET**

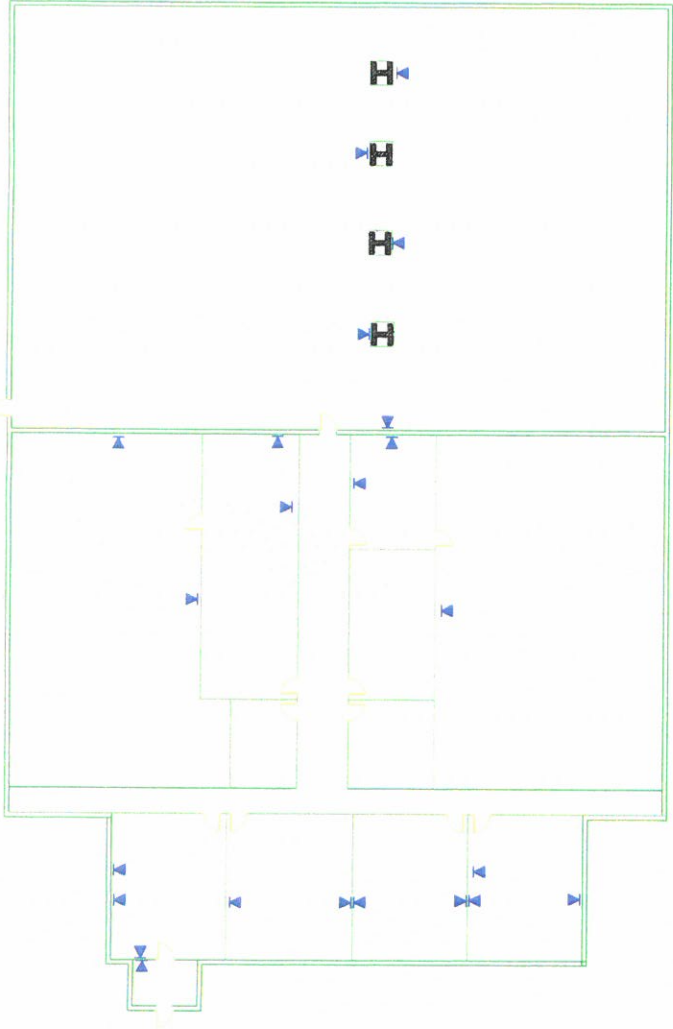
PART NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENDED PRICE
<b>WV State Department of Transportation District 4 HQ with Cty HQ's and Substations and District 5 Cty HQ's and Substations</b>					
X-30-422	BRADY IDXPRT Labels Size: 1.500" W x 0.750" H Print Area 250	Cart	20		\$0.00
XC-475-422	BRADY IDXPRT GLOSS POLYESTER 475IN X 30 CONT	Cart	20		\$0.00
XC-1000-595-YL-BK	BRADY IDXPRT OUTDOOR VINYL 1.0IN X 30 FT BK on YL	Cart	5		\$0.00
XC-1000-595-GN-WT	BRADY IDXPRT OUTDOOR VINYL 1.0IN X 30 FT WT on GN	Cart	4		\$0.00
XC-1000-595-BL-WT	BRADY IDXPRT OUTDOOR VINYL 1.0IN X 30 FT WT on BL	Cart	2		\$0.00
XSL-115-427	BRADY IDXPRT Labels 1.500" W x .500" H Print Area Self Lam 250	Cart	10		\$0.00
CF54/300EZ	Cablofil - 2" x 12" cable tray - 10' Section	Each	75		\$0.00
FASPC300PG	Cablofil - Hangers-Center Hung	Each	150		\$0.00
SWKEZ	Cablofil - Splice Connectors Pack of 50	Each	6		\$0.00
12419-736	Chatsworth - 36" Wall Mount Cabinet	Each	14		\$0.00
12804-701	Chatsworth - Fan Kit, 115 VAC, 100 CFM	Each	14		\$0.00
57014-703	Chatsworth Velocity Standard Pack	Pack	4		\$0.00
11521-704	Chatsworth Wall Mount Bracket 2RU	Each	16		\$0.00
40074-700	Chatsworth Shelf 3RU	Each	16		\$0.00
10250-718	Chatsworth Ladder Tray 18" Section 10'	Each	5		\$0.00
10595-718	Chatsworth Ladder Tray 18" Top Plate Kit	Each	5		\$0.00
11421-718	Chatsworth Ladder Tray 18" Wall Angle Support Kit	Each	10		\$0.00
13912-703	Chatsworth Vertical Wire Manager	Each	3		\$0.00
CPCSSX2-0ZF005	CommScope 360GS10E MODULAR PATCH CORD 5FT DK BL	Each	500		\$0.00
CPCSSX2-0ZF007	CommScope 360GS10E MODULAR PATCH CORD 7FT DK BL	Each	250		\$0.00
CPCSSX2-0ZF010	CommScope 360GS10E MODULAR PATCH CORD 10FT DK BL	Each	250		\$0.00
760092452	CommScope GigaSPEED XL MGS600 Series Cat 6A U/UTP Info Outlet, 318-blue	Each	550		\$0.00
760152595	CommScope iPatch 1100GS6 Evolve U/UTP Patch Panel, 48 port	Each	15		\$0.00
760152587	CommScope iPatch 1100GS6 Evolve U/UTP Patch Panel, 24 port	Each	5		\$0.00
UC1BBB2-0ZF005	CommScope Uniprise UNC-BL-3FT Modular Patch Cable 5FT Blue	Each	500		\$0.00
UC1BBB2-0ZF007	CommScope Uniprise UNC-BL-3FT Modular Patch Cable 7FT Blue	Each	250		\$0.00
UC1BBB2-0ZF010	CommScope Uniprise UNC-BL-3FT Modular Patch Cable 10FT Blue	Each	250		\$0.00
UNJ600-BL	CommScope Uniprise Cat6 Info Outlet, Blue	Each	900		\$0.00
UNP610-48P	CommScope Uniprise Cat6 Patch Panel, 48 Port	Each	15		\$0.00
UNP610-24P	CommScope Uniprise Cat6 Patch Panel, 24 Port	Each	20		\$0.00
107952442	CommScope M104 Type Surface Mount Box, four port ivory	Each	600		\$0.00
108216151	CommScope Faceplate 4-Hole w/blanks Modular Furniture	Each	200		\$0.00
876540410	CommScope 10G4 ETL Verified Category 6A U/UTP Cable Plenum	Each	100		\$0.00
4763214/10	CommScope Uniprise 7504 Category 6 U/UTP Cable, Plenum, 1000ft	Each	169		\$0.00
760008888	CommScope GigaSPEED® XL 1571 Category 6 U/UTP Cable, outdoor, black 1000ft	Each	5		\$0.00
760106880	CommScope 12 Strand Fiber Singlemode I/O Interlocking Plenum (12 SM)	Feet	5000		\$0.00
760109496	CommScope 360G2 Cartridge 12 LC TeraSPEED, Blue w/Pigtails	Each	5		\$0.00
760103085	CommScope 360 iPatch® G2 LC Fiber Shelf, sliding	Each	4		\$0.00
760039867	CommScope RS-2AF-16SF RoloSplice Kit E/W 2x Fusion Splice Tray 1U Shelf	Each	4		\$0.00
FDW LCLC42-MXF003	CommScope 3 FOOT - LC/LC Jumper Cable - SM	Each	12		\$0.00
FDW LCLC42-MXF007	CommScope 7 FOOT - LC/LC Jumper Cable - SM	Each	12		\$0.00
760072942	CommScope 1U SS Horizontal Trough Kit	Each	5		\$0.00
760072959	CommScope 2U SS Horizontal Trough Kit	Each	20		\$0.00
760103796	CommScope M61A-318 BLUE ICON - 100 \ bag	Each	13		\$0.00
RCURN082	GEIST - 102D20S5-OD Switched Ultra PDU	Each	5		\$0.00
RTAFHD3-12	GEIST - Remote Temperature, Humidity, Air Flow, and Dew Point Sensor, 12' cord	Each	5		\$0.00
GB114420TMGBKT	HAGER 1/4" X 4" X 20" TMGB KIT	Each	5		\$0.00
GB114212TGBKT	HAGER 1/4" X 2" X 12" TGB KIT	Each	12		\$0.00
RGBHKIT14119.25	HAGER 1/4" X 1" X 19" RACK MOUNT KIT	Each	17		\$0.00
IMSOC10-1	Pelco - Sarix MiniDome .5 Megapixel Fixed Camera	Each	6		\$0.00
EZDP44S	STI 44+Single Pathway Kit w/ 1 Pathway, Two (2) Mount Plates And Labels	Each	10		\$0.00
EZRCM44S	STI Radius Control Module - One Pair (2) For Use With Series 44+ Pathway	Each	5		\$0.00
2900	Wiremold One Piece Latching Raceway 6ft Length	Feet	1500		\$0.00
2911	Wiremold Flat Elbow for 2900 Raceway	Each	100		\$0.00
2906	Wiremold Cover Clip for 2900 Raceway	Each	100		\$0.00
2986	Wiremold Drop Ceiling Fitting for 2900 Raceway	Each	100		\$0.00
40N2B08V	Wiremold Two Compartment Raceway Base	Each	520		\$0.00
40N2C08V	Wiremold Two Compartment Raceway Cover	Each	520		\$0.00
40N2F05V	Wiremold Cover Clip for 40N2B08V Base	Each	50		\$0.00
40N2F06V	Wiremold Cover Clip for 40N2C08V Cover	Each	50		\$0.00
40N2F21V	Wiremold Entrance Fitting For 40N2B08V Base	Each	50		\$0.00
40N2F11V	Wiremold Flat Elbow for 40N2B08V Raceway	Each	50		\$0.00
40N2F17V	Wiremold Internal Elbow for 40N2B08V Raceway	Each	50		\$0.00
40N2F19V	Wiremold External Elbow for 40N2B08V Raceway	Each	50		\$0.00
40N2F20V	Wiremold Blank End Fitting for 40N2B08V Raceway	Each	50		\$0.00
SU1000RTXL2UA	SmartOnline 1kVA Dble-Conversion UPS, Rack/Tower, 100/110/120V NEMA outlets	Each	35		\$0.00
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or Telnet	Each	35		\$0.00
BP24V15RT2U	External Battery Pack for UPS System	Each	5		\$0.00
BP24V70-3U	External Battery Pack for UPS System	Each	6		\$0.00
2-9USTAND	Convert- UPS + BP- Rackmount to a Tower Mount	Each	25		\$0.00
				Materials Price	0.00
				Installation Price	0.00
	District 4 HQ, Cty HQ's, Substations, DMV Regional Offices Cty HQ's and Substations	and District 5	Total Bid Price		0.00
<i>Quoted price per hour for labor outside of original Purchase order. Used for award purpose only.</i>		Hour	40		\$0.00

# District 4 Bridge

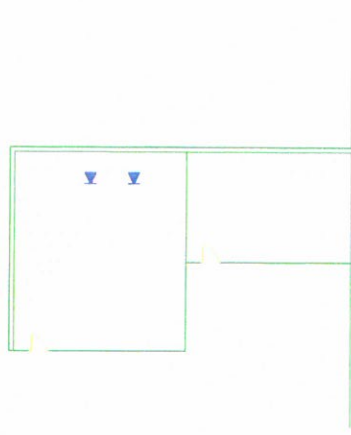




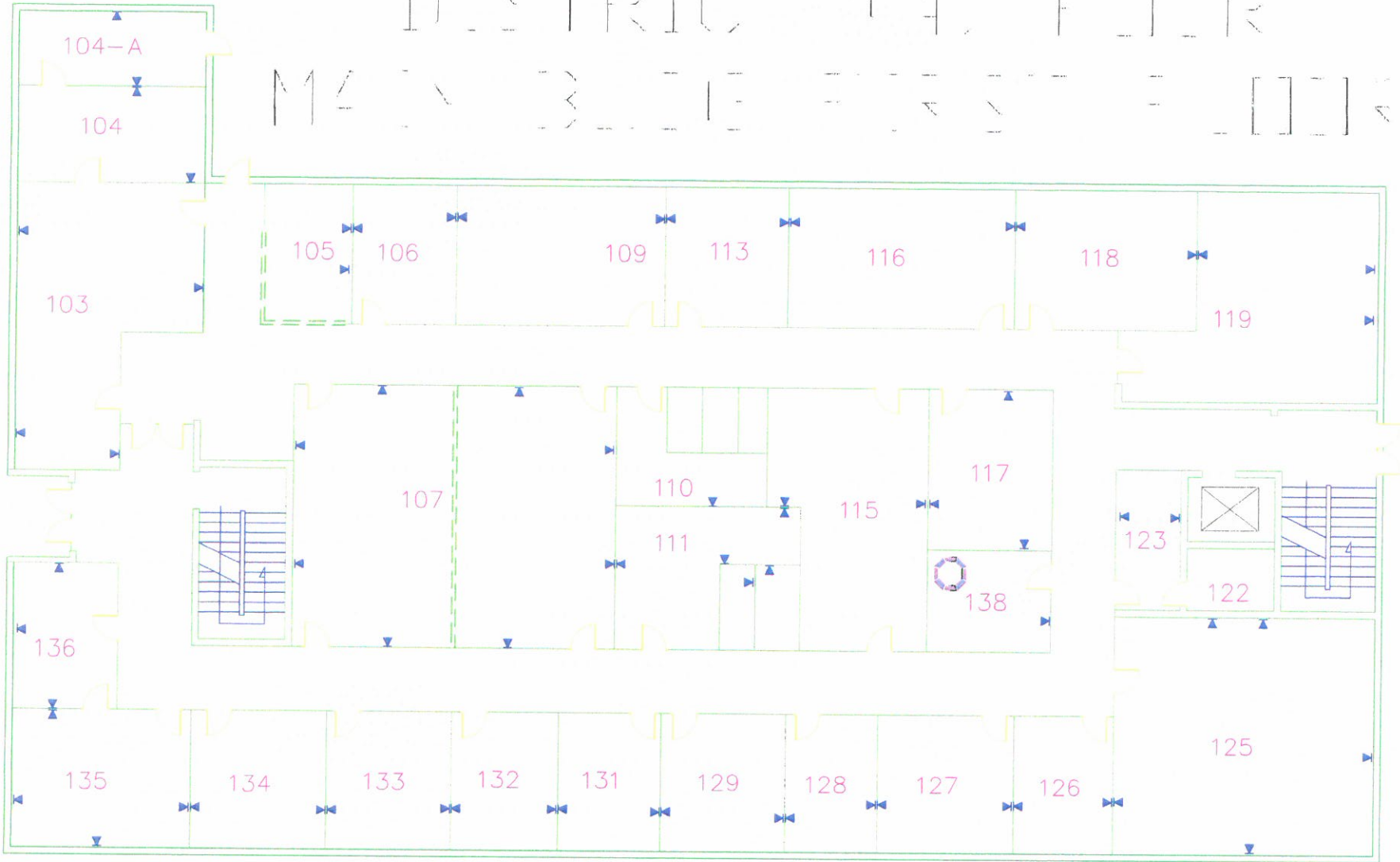
DISTRICT (4) FOUR  
SHOP BUILDING

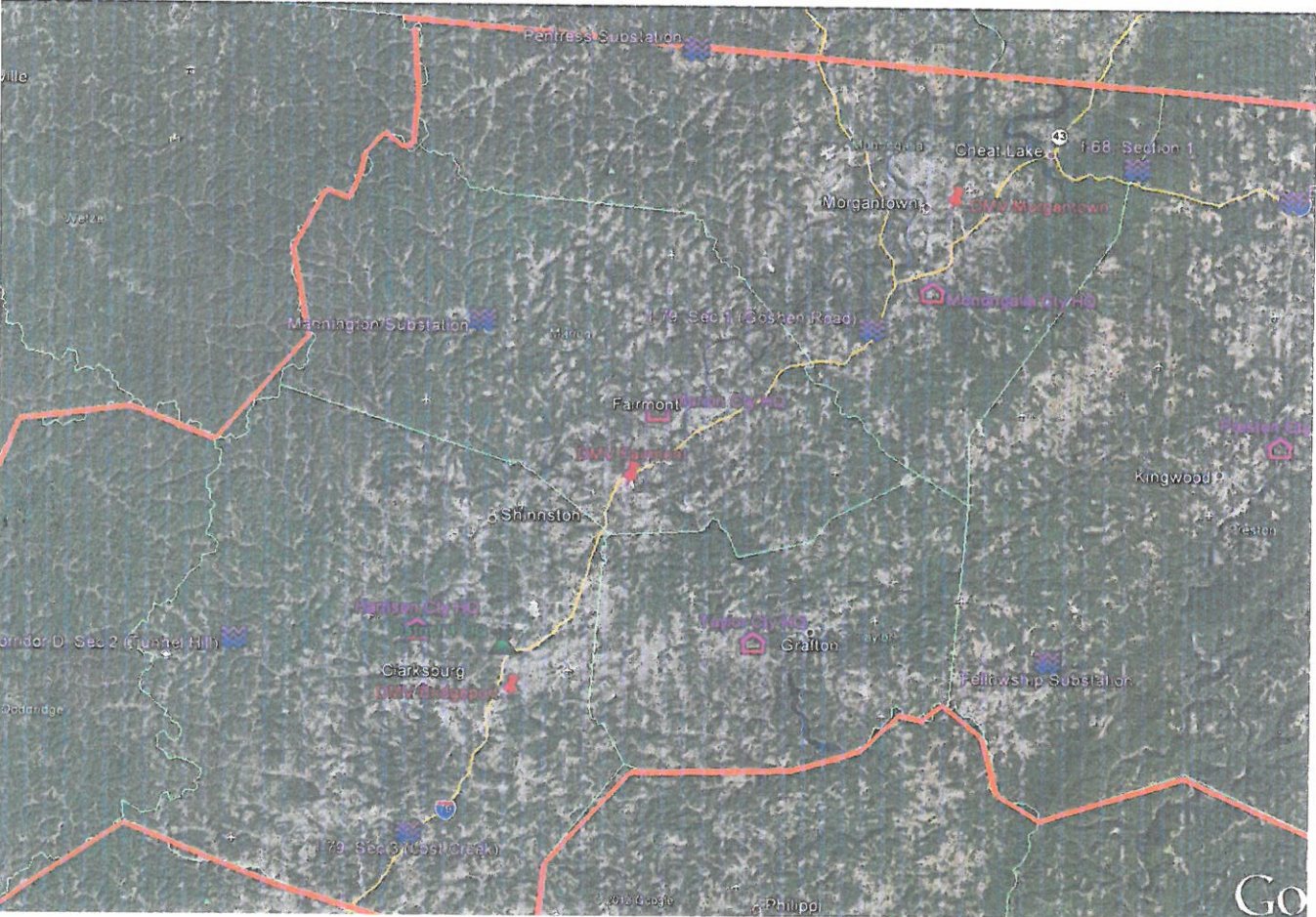


DISTRICT (4) FOUR

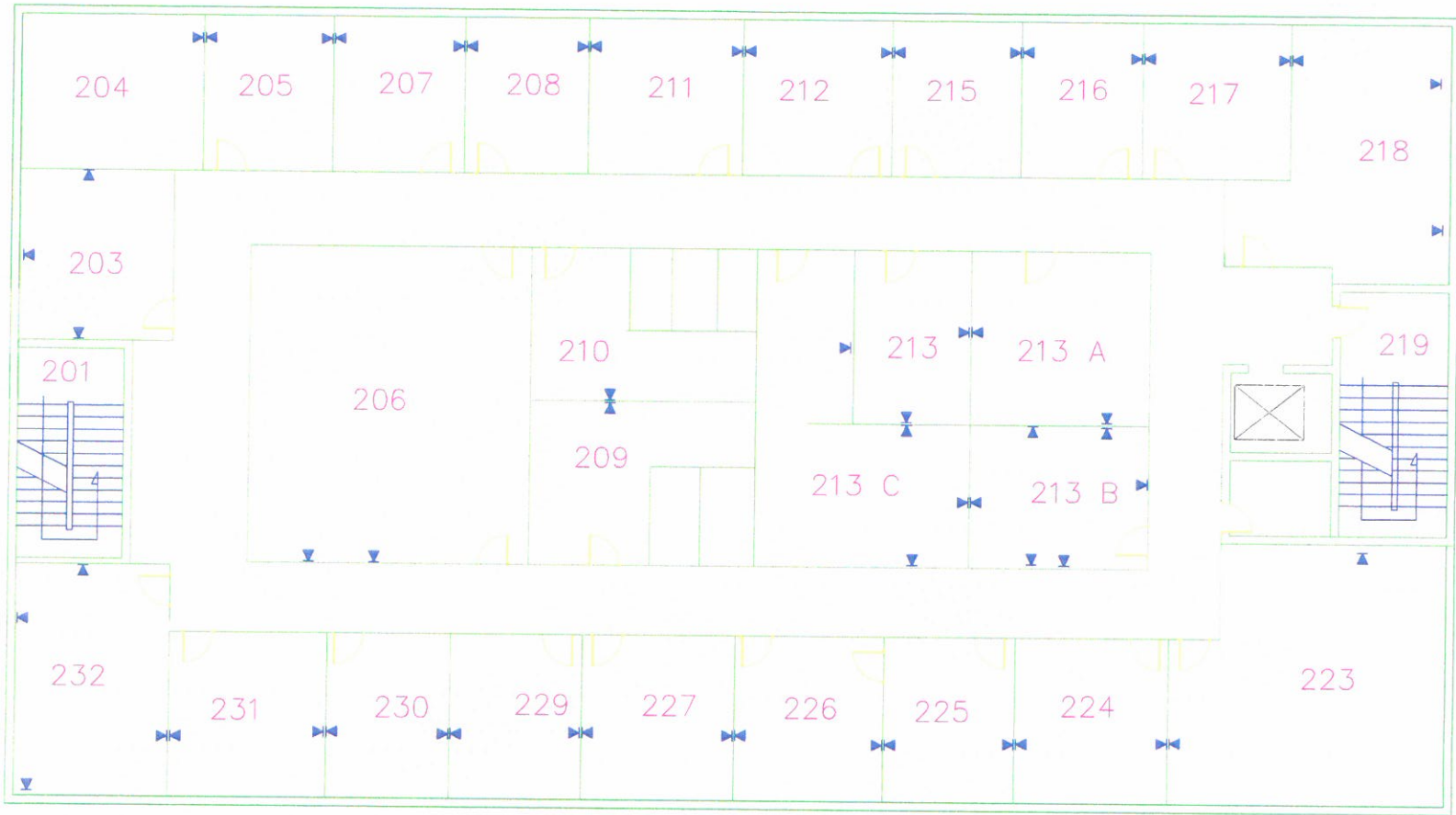


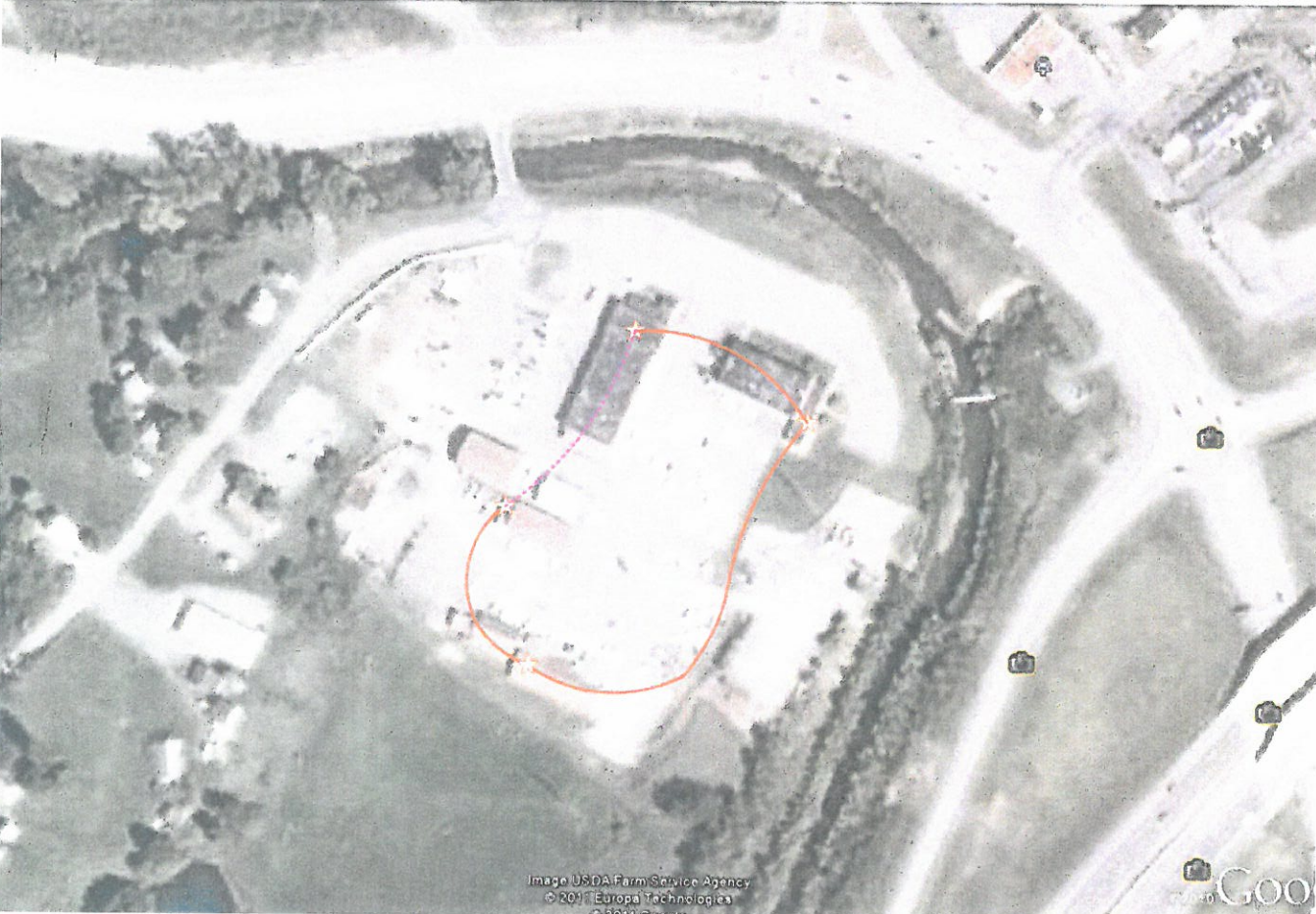
# DISTRICT 04: FULL MAIN BUILDING FIRST FLOOR





# DISTRICT (4) FOUR MAIN BLDG. SECOND FLOOR







	NAME	COMPANY	EMAIL	PHONE	FAX
<b>WVOT</b>	RICHARD WICKERT	WV OFFICE OF TECHNOLOGY	RICHARD.W.WICKERT@WVOT.GOV	304-558-8121	
-	Kevin Hynes	GRAYBAR	Kevin.hynes@graybar.com	304-374-0324	
<	Bryan Griffin	State Elec	bryan.griffin@stateelectric.com	304-563-6978	
	James Stewart	State Electric	james.stewart@stateelectric.com	304-839-5073	
-	Chris Miceli	Hubbell Premise Wiring	cmiceli@hubbell.com	724-622-9400	
-	MIKE SWANE	Pomeroy	Michael.Swane@pomeroy.com	304-746-4434 (P) 304-746-4437 (F)	
<	Tim Taylor	TLTEK, LLC	ttaylor@tltek.net	304-549-9243	
	Lewis Taylor	TLTEK, LLC	ltaylor@live.com	<del>304</del> -340-7070	
-	Bob Bishop	Mon Valley Technologies	rbishop@MUTECH-US	304-288-0746 P. 304-278-7404 F. (304) 284-0502	
<	Lawrence Host	Verizon	lawrence.host@verizon.com	(304) 284-0502	
	Joe Signorelli	Verizon	joseph.e.signorelli@verizon.com	304-296-2470	304-296-0502
<b>DOT</b>	GREG PHILLIPS	DISTRICT MANAGE	D-4	842-1550	
-	Bill Burns	TATE Communications	tburns@tatecom.com	304-622-8283 (PHONE) 304-624-8283 (FAX)	

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: 631400006**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |   |  |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

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Company

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Authorized Signature

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Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.  
 Revised 6/8/2012