



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 3, 2007

SUBJECT: FAP Route 317 (US 24/US 150)
Project ITS-0217 (101)
Section D4 ITS SYSTEM 2007
Peoria and Tazewell Counties
Contract No. 68694
Item No. 73, April 27, 2007 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised page 1 of the Schedule of Prices.
2. Revised page i of the Table of Contents to the Special Provisions.
3. Revised pages 5, 6, 41, 42 and 48 of the Special Provisions.
4. Added page 49 to the Special Provisions.
5. Revised sheets 4, 6, 9 – 14, 16 – 19, 21 and 23 – 24 of the Fold Up Plans.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Eric E. Harm
Interim Bureau Chief
Bureau of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger' with a small 'P.E.' to the right.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: J. E. Crowe, Region 3, District 4; Roger Driskell; Estimates; Design & Environment File

TBW:RS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 68694

State Job # - C-75-002-03
 PPS NBR - ITS
 County Name - PEORIA- TAZEWELL-
 Code - 143 - 179 -
 District - 4 - 4 -
 Section Number - D4 ITS SYSTEM 2007

Project Number
 ITS-021-7/101/

Route
 FAP 317

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price	
* XX003940	20 AMP 1P CIR BREAKER	EACH	4.000					
X0323524	REM EX SURVEIL CAM EQ	EACH	2.000					
X0323898	CCTV DOME CAMERA	EACH	7.000					
X0323904	IDOT COMM CENTER NODE	L SUM	1.000					
X0323906	CAMERA POLE 45 FT	EACH	1.000					
X0323912	E PEO PUB SF BLD NODE	L SUM	1.000					
X0323913	FIBER OPTIC LINK CCTV	EACH	7.000					
X0323921	POLE MT EQUIP CAB TC	EACH	3.000					
X0325717	PEO PUB WKS DR LN NOD	L SUM	1.000					
X0325718	FIB OPT CONN ST FU SP	EACH	20.000					
X0325719	FIB OPT LINK CCTV MM	EACH	1.000					
X0325720	POLE MT EQ CAB TC IO	EACH	1.000					
* X0325721	CCTV LOCAL CONT PANEL	EACH	4.000					
X8710020	FOCC62.5/125 MM12SM12	FOOT	382.500					
X8710028	FIB OPT CBL 6F SM	FOOT	1,904.000					
			* REVISED : APRIL 3, 2007					

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Revised 04/03/2007

The storage or staging of any materials or equipment on the public right of way outside of the project access control limits must be coordinated with the City of East Peoria. The Contractor shall contact Mr. Rick Jeremiah, Director of Public Works at (309) 698-4716, prior to the start of any work involving staging/storage of equipment and/or materials in these areas.

HANDHOLE, SPECIAL

This work shall consist of furnishing the materials and constructing a handhole in accordance with the applicable Articles of Section 814 and 1088 of the Standard Specifications with the following modifications:

The handhole shall be constructed over the intersection of the two existing conduits (IL 116 and US 24) as shown on the plan sheets. The Contractor shall remove the existing conduits from inside the proposed handhole without damaging the cables inside. The Contractor shall be responsible for locating the existing conduits. The handhole shall be constructed deep enough to allow for a six inch clearance from the bottom of the deepest conduit.

The lift ring for the cover shall consist of a solid closed ring of stainless steel at least 3/8 inch in diameter. The lift ring shall be attached to the cover by a loop of stainless steel at least 3/8 inch in diameter. The lift ring and loop shall be recessed in the cover.

The lid shall be marked with the legend "TRAFFIC SIGNALS".

Pre-cast handholes are not allowed.

All surplus materials shall be disposed of by the Contractor outside the job limits.

Basis of Payment: This work will be paid for at the contract unit price each for HANDHOLE, (SPECIAL), which price shall be payment in full for all labor, materials, and equipment required to provide the handhole described above as well as any necessary excavating, backfilling, disposal of unsuitable materials, and furnishing all materials within the limits of the handhole.

CCTV LOCAL CONTROL PANEL

The Contractor shall furnish and install a CCTV local control panel at the locations shown on the plan sheets.

The CCTV local control panel will enable the CCTV camera to be tested at the cabinet. The local control panel shall include user-selectable RS-422 and RS-232 camera control and a video output. The local control panel shall be configured to operate with the CCTV cameras.

The following models are approved for use: Treehaven Technologies (Models RVSFB120R, RVSFB120), Specialty Electronics Systems (Model 200 P/N 10016)

The CCTV Local Control Panel shall meet or exceed the following specifications:

Revised 04/03/2007

Electrical: AC Input Voltage: 120VAC 50/60 Hz, 1.8A
Dome Power Output: 24V, 50/60 Hz, 1.25 A

Heater Power Output: 24V, 24V, 50/60 Hz, 5A

Environmental: Operating Temperature: : -10°F (-23°C) to 140°F (60°C)
Humidity: 5% to 95%, non-condensing

Data: Joystick: RS-422, Rx+, Rx-, Tx+, Tx-
Laptop: RS-232, Tx, Rx, Gnd
Remote Control: RS-422, Rx+, Rx-, Tx+, Tx-

Video: Camera Input: BNC, 75 Ohms
Monitor Output: BNC, 75 Ohms

Mechanical: Dimensions: 19" W x 3.5" H x 12" D

Features:

- Surge suppression on data, video and power lines.
- Video output for test monitor connection.
- Plug-in connection for joystick controllers.
- Plug-in serial connection for a laptop computer providing PTZ control and camera test and configuration. Includes laptop camera control software.
- Manual switch to select either joystick, laptop or remote PTZ control.

Basis of Payment: This work will be paid for at the contract unit price each for CCTV LOCAL CONTROL PANEL which will be payment in full for all labor, equipment, and materials required to provide, install, and test the equipment, and as described above.

FIBER OPTIC CABLE, SINGLE MODE

Description. Under these items, the Contractor shall furnish and install loose-tube, single-mode, fiber optic cable of the number of fibers specified as shown in the plans and as directed by the Engineer.

Revised 04/03/2007

The Contractor shall terminate any inbound and outbound fiber optic, telephone, or wireless antenna leads in the equipment cabinet as shown in the Plans. The Contractor shall terminate any twisted pair communication cable on the termination panel in the equipment cabinet as shown in the Plans. Lugs shall be installed at the end of each conductor suitable for connection to the barrier terminal blocks.

Method of Measurement. This item shall be measured for payment by each pole mounted equipment cabinet type C in-place.

Basis of Payment. This work shall be paid for at the contract unit price each for POLE MOUNTED EQUIPMENT CABINET TYPE C, INSTALL ONLY and shall include all equipment, material and labor required for installation as detailed in the specifications and as shown on the Plans.

GROUNDING OF ITS STRUCTURES

This work shall be in accordance with the applicable articles of Sections 807, 817 and 1066 of the Standard Specifications with the following modifications:

This work shall consist of furnishing and installing a grounding wire to connect all proposed ITS cabinets and camera poles in accordance with NEC requirements.

The proposed ground wire shall be an insulated #8 #6 XLP green copper conductor. This wire shall be bonded to all items and their associated ground rods utilizing mechanical lugs and bolts. This wire may be made continuous by splicing in the adjacent handholes with compression lugs. Split bolts will not be allowed.

The grounding wire shall be bonded to the grounded conductor at the service disconnect per the NEC.

All clamps, hardware, and other materials required shall be included.

Basis of Payment: This work will not be paid for separately, but shall be included in the unit bid prices for their associated items.

Revised 04/03/2007

TRAFFIC CONTROL PLAN

Effective February 2, 2007

Traffic control shall be in accordance with the applicable sections of the "Standard Specifications for Road and Bridge Construction," the applicable guidelines contained in the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways," these Special Provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Section 701 and Articles 107.09 and 107.14 of the "Standard Specifications for Road and Bridge Construction" and the following Highway Standards relating to traffic control:

701001	701006	701101	701106
701421	701601	701701	702001

Traffic shall be maintained on the associated roadways at all times during the construction of the Intelligent Transportation System (ITS) elements and associated communications infrastructure. All lane closures shall be made during off-peak traffic hours, defined as time periods from 8:30 a.m. to 3:30 p.m. and 5:30 p.m. to 7:00 a.m. The Contractor shall notify the Engineer forty-eight (48) hours before the time of a planned closure. The exact time and duration of all lane closures, however, shall be as determined by the Engineer.

All traffic control devices shall be furnished, erected, maintained, and removed by the Contractor in accordance with the Standard Specifications. Where possible, all post-mounted signs shall be placed a minimum of two (2') feet (0.6m) beyond the curb or edge of shoulder. Proposed sign spacing may be modified as approved by the Engineer in order to meet existing field conditions or to prevent obstruction of the motorist's view of permanent signing.

ERRATA FOR THE 2007 STANDARD SPECIFICATIONS (BDE)

Effective: January 1, 2007

Revised: April 1, 2007

- Page 60 Article 109.07(a). In the second line of the first paragraph change "amount" to "quantity".
- Page 207 Article 406.14. In the second line of the second paragraph change "MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS, of the mixture composition specified;" to "MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS;".
- Page 345 Article 505.08(l). In the third line of the first paragraph change "1/8 mm" to "1/8 in.".
- Page 345 Article 505.08(l). In the nineteenth line of the first paragraph change "is" to "in".

Revised 04/03/2007

This mobilization payment shall be made at least 14 days prior to the subcontractor starting work. The amount paid shall be equal to 3 percent of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 25 working days.

FIBER OPTIC CABLE IN CONDUIT 62.5/125 MM12F SM12F

This work shall be in accordance with Section 871 and 1076 of the Standard Specifications except as modified herein.

The fiber optic cable shall be a 24-fiber cable that includes 12 multi-mode fibers and 12 single mode fibers.

Other ancillary components, required to complete the fiber optic cable plant, including but not limited to, moisture and water sealants, cable caps, fan-out kits, etc., shall be supplied under this pay item for fiber optic cable and will not be paid for separately.

Revise Section 871.00 of the Standard Specifications to read:

The Contractor will not be required to test each fiber separately with a power source and meter, but shall test all continuous CCTV fiber runs, including both proposed and existing fiber, (from the fiber optic video transmitter to the fiber optic video receiver) as shown on the plan sheets with an OTDR and power source and meter.

Multimode fiber runs in excess of 6561 feet will not be tested with the power source and meter as this length exceeds the limit of certification for multimode fiber.

This work shall consist of furnishing and installing fiber optic cable in conduit with all accessories and connectors according to Section 871 of the Standard Specifications. The cable shall be of the type, size, and the number of fiber specified.

The fiber optic cable shall provide the amount of fibers called for in the FIBER OPTIC CABLE pay item in the contract. Fibers from each cable shall be terminated with approved fusion spliced connectors at the termination points shown on the Plans. Fibers not being used shall be labeled "spare", and fibers not attached to a distribution enclosure shall be capped and sealed. A minimum of five feet (5') of slack cable shall be provided for the cabinet locations, and the cabinet slack cable shall be stored as directed by the Engineer.

Revised 04/03/2007

Article 815.03(d) calls for cable marking tape to be installed as part of “trench and backfill for electrical work”. This requirement is waived and the following section shall apply:

12 Ga., stranded THHN, insulated orange tracer cable is to be pulled into all conduits that contain fiber optic cable. This work shall be done at the same time the fiber optic cable is pulled. There will be no additional compensation for this work.

The amount of slack cable listed in Article 873.03 shall be revised as follows:

<u>Location</u>	<u>Length of Slack Cable (Ft.)</u>
Gulfbox	3.0
Junction Box	3.0
Handhole	13.0
Double Handhole	30.0
Controller Cabinet	5.0

The fiber optic cable shall be clearly marked in each handhole and cabinet with a brightly colored (orange or yellow) weather resistant marker securely attached to the cable.

Basis of Payment: This work will be paid for at the contract unit price per foot for FIBER OPTIC CABLE IN CONDUIT 62.5/125 12MMF 12SMF and shall be payment in full for all labor, equipment, and materials required to provide, test, and install the fiber optic cable described above, complete.

Added 04/03/2007

ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS	PEORIA	TOTAL
FAP 317 US 24	SYSTEM 2007	TAZEWELL	NO.
FAP 317 US 150			27
			4

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY	PEORIA COUNTY		TAZEWELL COUNTY	
				CONST. TYPE CODE ITS Y035 URBAN CITY OF PEORIA	CONST. TYPE CODE ITS Y035 URBAN CITY OF E. PEORIA		
X0323898	CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	7	5	2		
X0323904	ILLINOIS DEPARTMENT OF TRANSPORTATION COMMUNICATIONS NODE	L SUM	1	1			
X0323906	CAMERA POLE, 45 FT	EACH	1	1			
X0323912	EAST PEORIA PUBLIC SAFETY BUILDING NODE	L SUM	1			1	
X0323913	FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	7	5		2	
X0323921	POLE MOUNTED EQUIPMENT CABINET, TYPE C	EACH	3	2		1	
X8710020	FIBER OPTIC CABLE IN CONDUIT, 62.5/125, MM12F SM12F	FOOT	382.5			382.5	
X8710028	FIBER OPTIC CABLE 6 FIBER SINGLE MODE	FOOT	1904	1717		187	
X8710071	FIBER OPTIC FUSION SPLICE	EACH	41	25		16	
XX003940	20 AMP, 1-POLE CIRCUIT BREAKER	EACH	4	3		1	
X0325717	PEORIA PUBLIC WORKS DRIES LANE NODE	L SUM	1	1			
X0325718	FIBER OPTIC CONNECTOR, ST. FUSION SPLICED	EACH	20	10		10	
X0325719	FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION) MULTI-MODE	EACH	1			1	
X0325720	POLE MOUNTED EQUIPMENT CABINET, TYPE C, INSTALL ONLY	EACH	1			1	
X0325721	CCTV/LOCAL CONTROL PANEL	EACH	4	3		1	

REVISSED
4/2/07

SUMMARY OF QUANTITIES
(CONTINUED)

ROUTE		SECTION		COUNTY		SHEET	
MKD.	DESIG.	D4 ITS SYSTEM 2007		PEORIA TAZEWELL		TOTAL	NO.
FAP 317	US 24					27	6
FAP 317	US 150						

SCHEDULE OF QUANTITIES

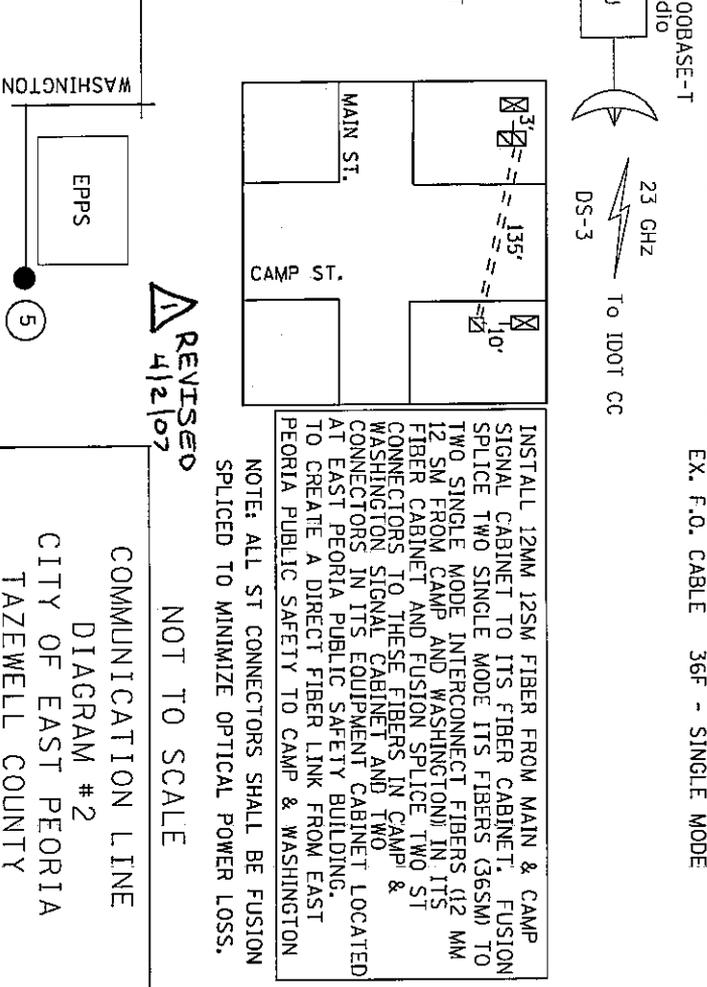
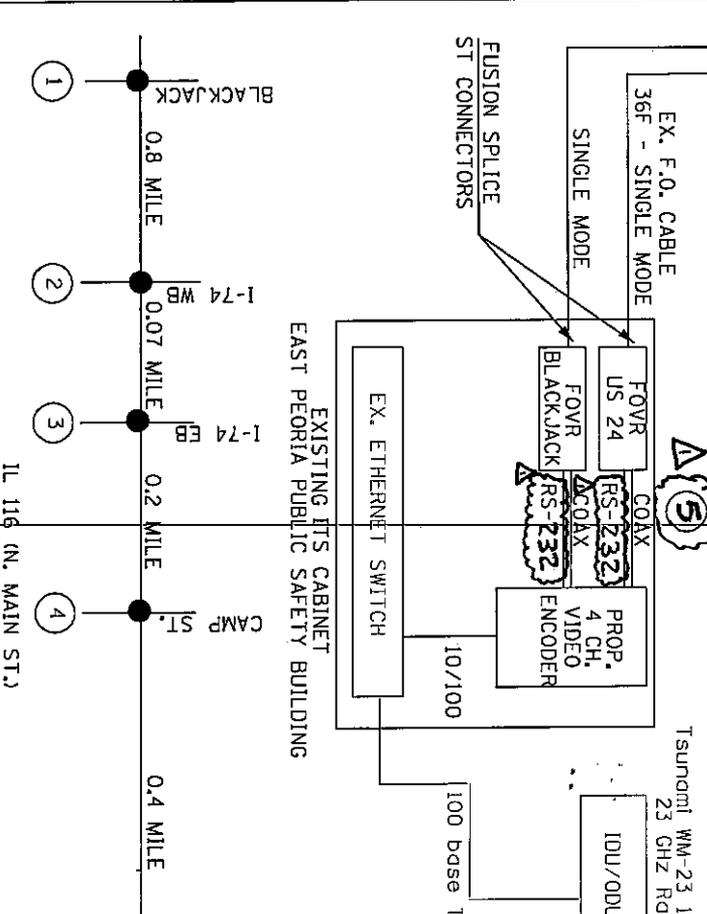
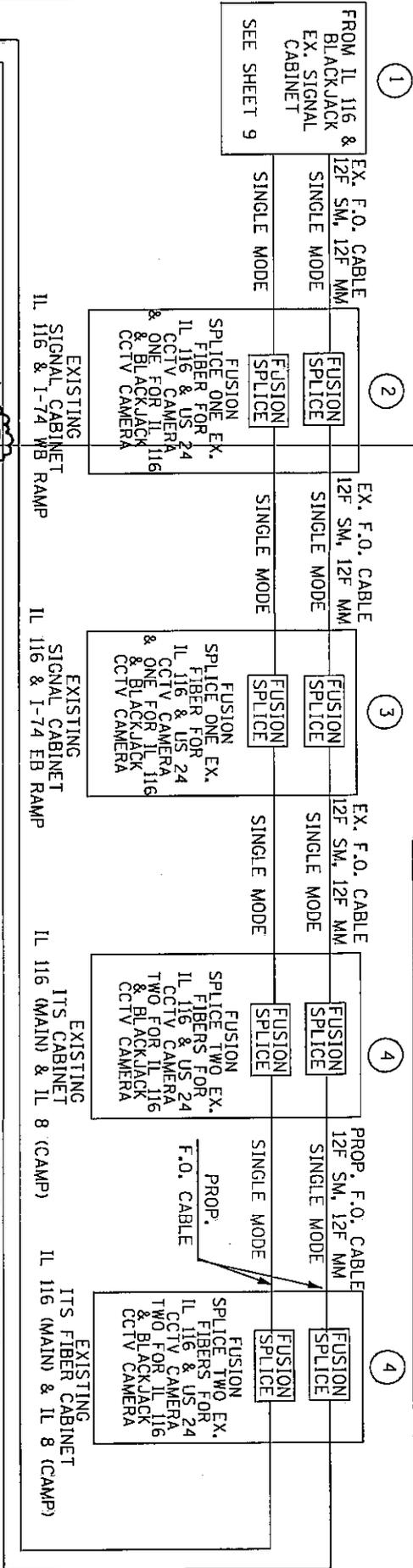
ITEM DESCRIPTION	UNIT	TOTAL QTY	PEORIA COUNTY						TAZEWELL COUNTY		
			US 150 & IL 6 PEORIA	US 150 & ALLEN PEORIA	US 150 & IL 40 PEORIA	US 150 & PROSP PEORIA	US 150 & IL 29 PEORIA	DRIES LN NODE PEORIA	IDOT NODE PEORIA	IL 116 & US 24 EAST PEORIA	IL 116 & BLKJAK EAST PEORIA
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	7	1	1	1	1	1		1	1	
ILLINOIS DEPARTMENT OF TRANS COMMUNICATIONS NODE	L SUM	1							1		
CAMERA POLE, 45 FT	EACH	1	1								
EAST PEORIA PUBLIC SAFETY BUILDING NODE	L SUM	1									1
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	7	0.5	0.5	0.5	0.5	0.5	2.5		1	1
POLE MOUNTED EQUIPMENT CABINET, TYPE C	EACH	3	1								1
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, MM12F SM12F ** (INSTALLED AT IL 116 (MAIN ST.) & IL 8 (CAMP ST.))	FOOT	178.5								178.5	204**
FIBER OPTIC CABLE 6 FIBER, SINGLE MODE	FOOT	1903.5	645.5		56	244	771				187
FIBER OPTIC FUSION SPLICE	EACH	41	8	3	2	3	4	5		9	5
20 AMP, 1-POLE CIRCUIT BREAKER	EACH	4	1	1	1	1					1
PEORIA PUBLIC WORKS DRIES LANE NODE	L SUM	1									1
FIBER OPTIC CONNECTOR, ST, FUSION SPLICED	EACH	20	2	2	2	2	2			4	2
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION), MM	EACH	1								0.5	0.5
POLE MOUNTED EQUIP CAB, TYPE C INSTALL ONLY	EACH	1									1
CCTV LOCAL CONTROL PANEL	EACH	4	1	1	1	1				1	

REVISED
4/2/07

SCHEDULE OF QUANTITIES
(CONTINUED)

ITEM DESCRIPTION	UNIT	QTY.
FIBER OPTIC FUSION SPLICE	EACH	10.0
FIBER OPTIC CONNECTOR, ST. FUSION SPLICED	EACH	6.0
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, MM12F SM12F	FOOT	204.0

ROUTE	SECTION	COUNTY	SHEET
MKD.	DESIG.		
FAP 317 US 24	D4 ITS	PEORIA	TOTAL NO.
FAP 317 US 150	SYSTEM 2007	TAZEWELL	27
			10



INSTALL 12MM 12SM FIBER FROM MAIN & CAMP SIGNAL CABINET TO ITS FIBER CABINET. FUSION SPLICE TWO SINGLE MODE ITS FIBERS (36SM) TO TWO SINGLE MODE INTERCONNECT FIBERS (12 MM 12 SM FROM CAMP AND WASHINGTON) IN ITS FIBER CABINET AND FUSION SPLICE TWO ST CONNECTORS TO THESE FIBERS IN CAMP & WASHINGTON SIGNAL CABINET AND TWO CONNECTORS IN ITS EQUIPMENT CABINET LOCATED AT EAST PEORIA PUBLIC SAFETY BUILDING. TO CREATE A DIRECT FIBER LINK FROM EAST PEORIA PUBLIC SAFETY TO CAMP & WASHINGTON

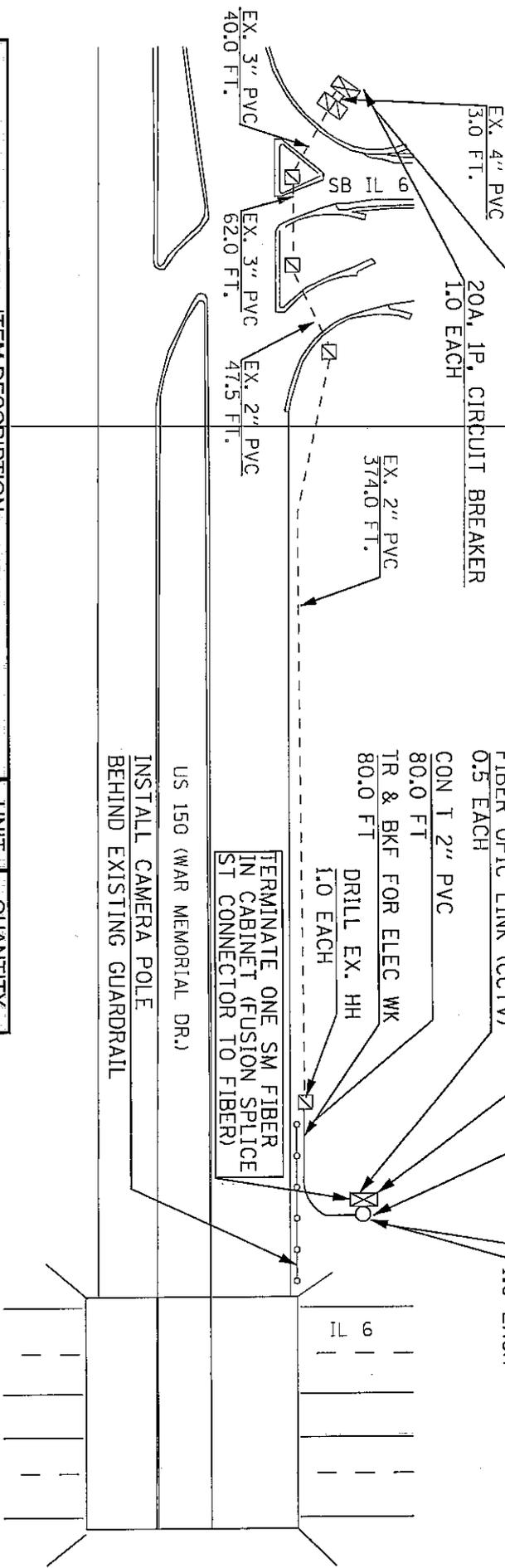
REVISED
4/12/07

NOT TO SCALE
COMMUNICATION LINE
DIAGRAM #2
CITY OF EAST PEORIA
TAZEWELL COUNTY

NOTE: ALL ST CONNECTORS SHALL BE FUSION SPLICED TO MINIMIZE OPTICAL POWER LOSS.

THE ENGINEER SHALL APPROVE CAMERA POLE AND FOUNDATION LOCATION AS WELL AS CAMERA ORIENTATION PRIOR TO INSTALLATION.

FUSION SPLICE ONE PROPOSED SINGLE MODE FIBER TO ONE EXISTING SINGLE MODE FIBER IN EXISTING TRAFFIC SIGNAL CABINET



ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS SYSTEM 2007	PEORIA	TOTAL NO.
FAP 317 US 24		TAZEWELL	27
FAP 317 US 150			11

ITEM DESCRIPTION	UNIT	QUANTITY
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1.0
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	0.5
DRILL EXISTING HANDHOLE	EACH	1.0
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	80.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	80.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1963.5
FIBER OPTIC CABLE IN CONDUIT, 6 FIBER, SINGLE MODE	FOOT	654.5
20 AMP, 1-POLE CIRCUIT BREAKER	EACH	1.0
CONCRETE FOUNDATION, TYPE E36 3/4 INCH DIAMETER	FOOT	15.0
CCTV CAMERA POLE, 45 FT.	EACH	1.0
POLE MOUNTED EQUIPMENT CABINET, TYPE C	EACH	1.0

REVISED 4/2/07

- LEGEND
- ☒ EX. CONCRETE HANDHOLE
 - EX. CONDUIT
 - ☒ PROP. CCTV CABINET
 - PROP. CCTV POLE (45')
 - PROP. PVC CONDUIT
 - △ NOT TO SCALE

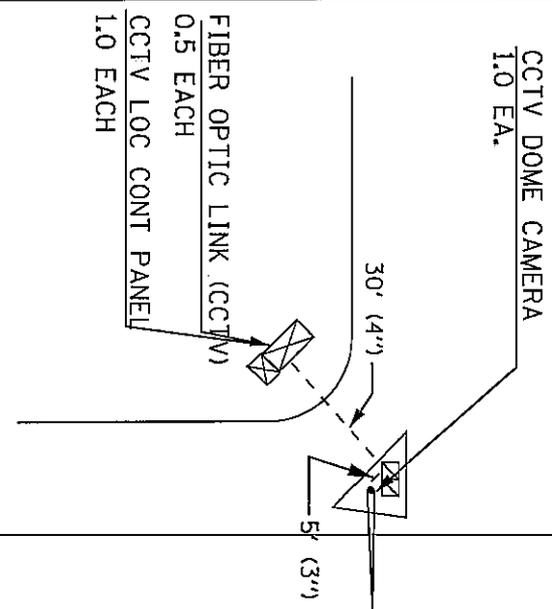
CCTV DETAILS
US 150 & IL 6
PEORIA
PEORIA COUNTY

ROUTE		SECTION	COUNTY	SHEET	
MKD.	DESIG.			TOTAL	NO.
FAP 317	US 24	D4 ITS	PEORIA	27	12
FAP 317	US 150	SYSTEM 2007	TAZEWELL		

ALLEN RD.



US 150 (WAR MEMORIAL DR.)



THE ENGINEER SHALL APPROVE CAMERA ORIENTATION PRIOR TO INSTALLATION.

CCTV CAMERA SHALL BE MOUNTED ON A 2-3 FT. ARM. THE COST OF THE MOUNTING BRACKET AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE CAMERA.

CCTV CAMERA AND EQUIPMENT CABINET TO BE MOUNTED ON EXISTING MAST ARM STRAIN POLE. CCTV FIBER OPTIC LINK MODEM AND LOCAL CONTROL PANEL WILL BE INSTALLED INSIDE EXISTING TYRE 5 TRAFFIC SIGNAL CABINET

ITEM DESCRIPTION	UNIT	QUANTITY
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1.0
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	0.5
CCTV LOCAL CONTROL PANEL	EACH	1.0

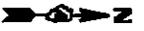
REVISSED 4/2/07

CCTV DETAILS
US 150 & ALLEN RD.
PEORIA
PEORIA COUNTY

NOT TO SCALE

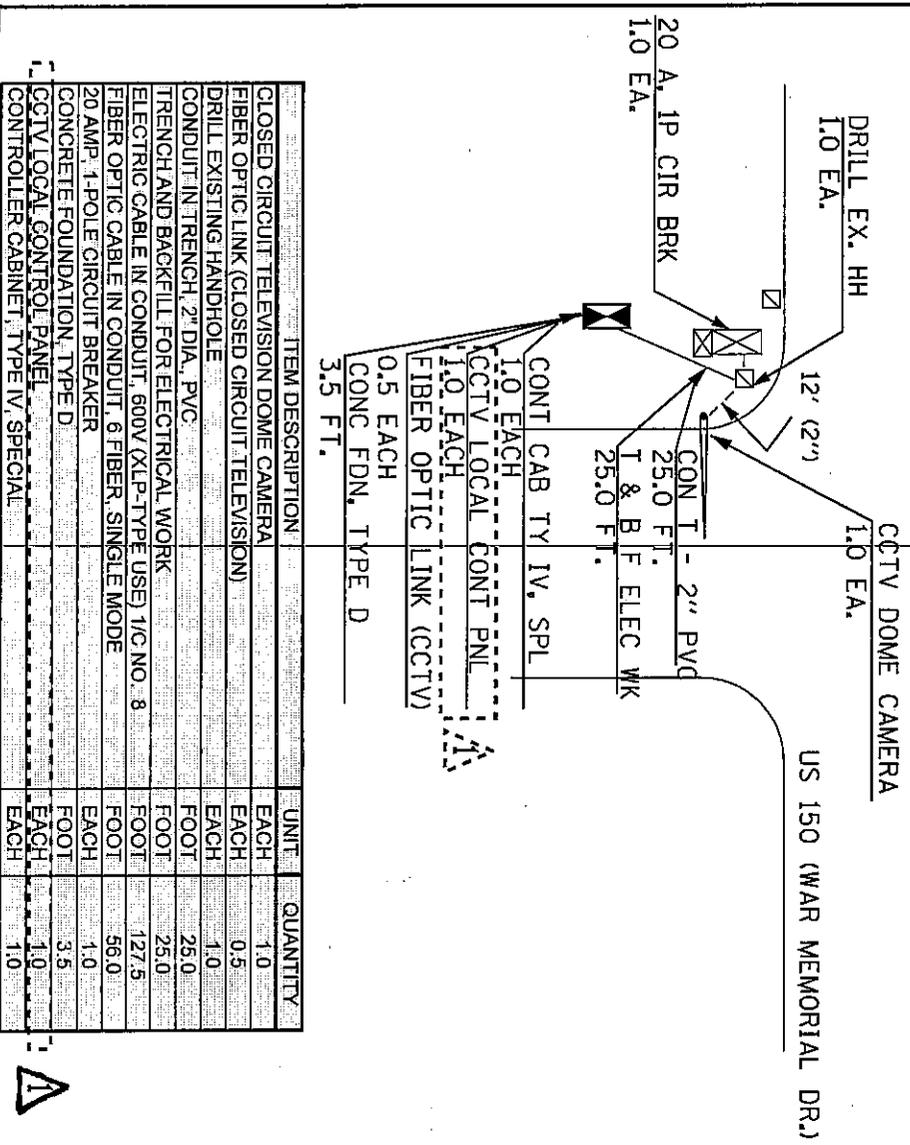
ROUTE		SECTION	COUNTY	SHEET	
MKD.	DESIG.			TOTAL	NO.
FAP 317	US 24	D4 ITS	PEORIA	27	13
FAP 317	US 150	SYSTEM 2007	TAZEWELL		

IL 40 (KNOXVILLE)



US 150 (WAR MEMORIAL DR.)

THE ENGINEER SHALL APPROVE CAMERA ORIENTATION AND CONTROLLER CABINET LOCATION PRIOR TO INSTALLATION.



ITEM DESCRIPTION	UNIT	QUANTITY
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1.0
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	0.5
DRILL EXISTING HANDHOLE	EACH	1.0
CONDUIT IN TRENCH 2" DIA. PVC	FOOT	25.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	25.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	127.5
FIBER OPTIC CABLE IN CONDUIT, 6 FIBER, SINGLE MODE	FOOT	56.0
20 AMP, 1-POLE CIRCUIT BREAKER	EACH	1.0
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CCTV LOCAL CONTROL PANEL	EACH	1.0
CONTROLLER CABINET, TYPE IV, SPECIAL	EACH	1.0

CCTV CAMERA SHALL BE MOUNTED ON A 2-3 FT. ARM. THE COST OF THE MOUNTING BRACKET AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE CAMERA.

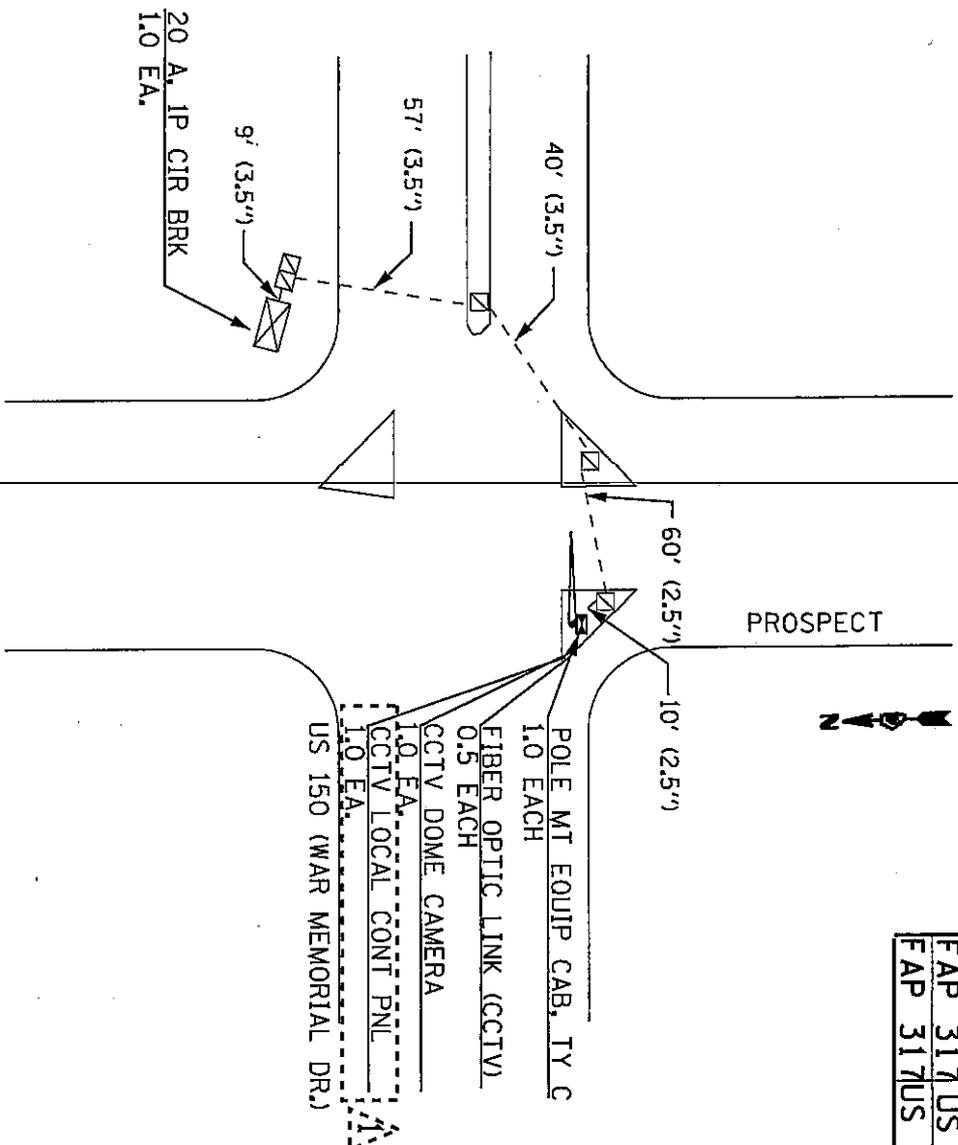
CCTV CAMERA AND EQUIPMENT CABINET TO BE MOUNTED ON EXISTING MAST ARM STRAIN POLE.

THREE 1/C #8 CABLES TO BE INSTALLED FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO PROPOSED ITS CABINET.

REVISIED
4/2/07
NOT TO SCALE

CCTV DETAILS
US 150 & IL 40
PEORIA
PEORIA COUNTY

ROUTE		SECTION	COUNTY	SHEET	
MKD.	DESIG.			TOTAL	NO.
FAP 317	US 24	D4 ITS SYSTEM 2007	PEORIA TAEZEWELL	27	14
FAP 317	US 150				



ITEM DESCRIPTION	UNIT	QUANTITY
CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1.0
FIBER OPTIC LINK (CLOSED CIRCUIT TELEVISION)	EACH	0.5
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	673.5
FIBER OPTIC CABLE IN CONDUIT, 6 FIBER, SINGLE MODE	FOOT	244.0
20 AMP 1-POLE CIRCUIT BREAKER	EACH	1.0
CCTV LOCAL CONTROL PANEL	EACH	1.0
POLE MOUNTED EQUIPMENT CABINET, TYPE C	EACH	1.0

THE ENGINEER SHALL APPROVE CAMERA ORIENTATION PRIOR TO INSTALLATION.

CCTV CAMERA SHALL BE MOUNTED ON A 2-3 FT. ARM. THE COST OF THE MOUNTING BRACKET AND HARDWARE SHALL BE INCLUDED IN THE COST OF THE CAMERA.

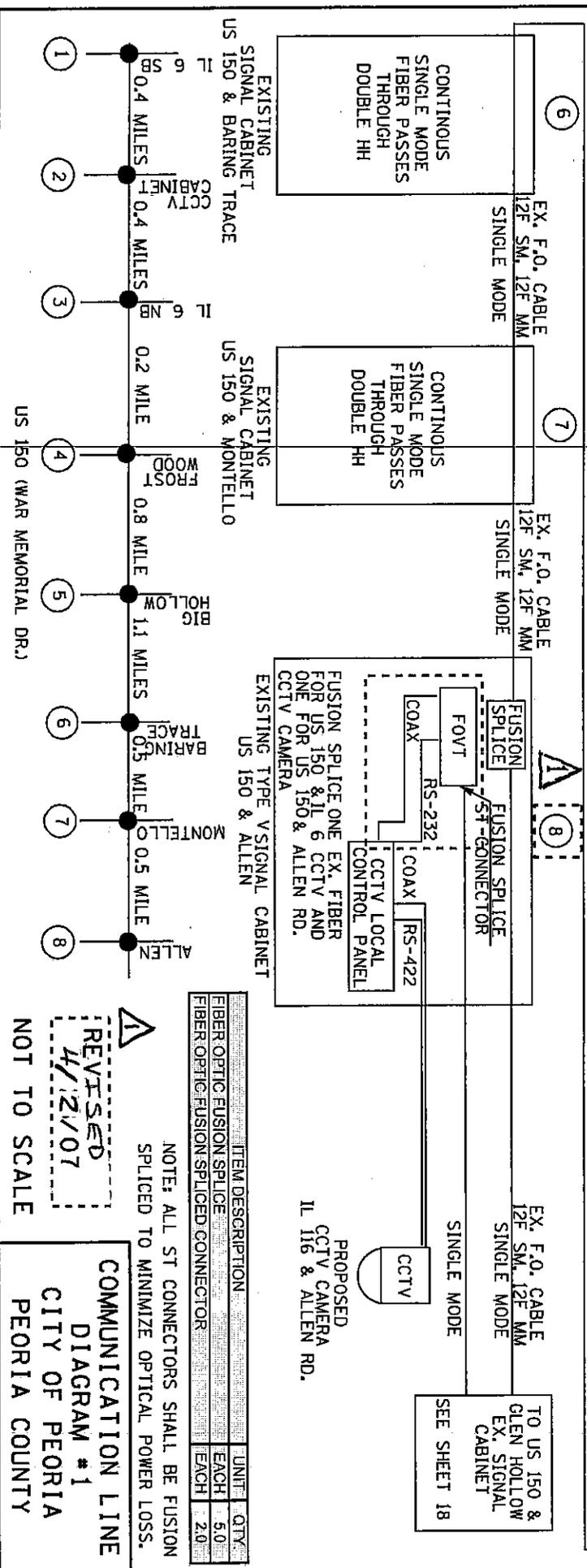
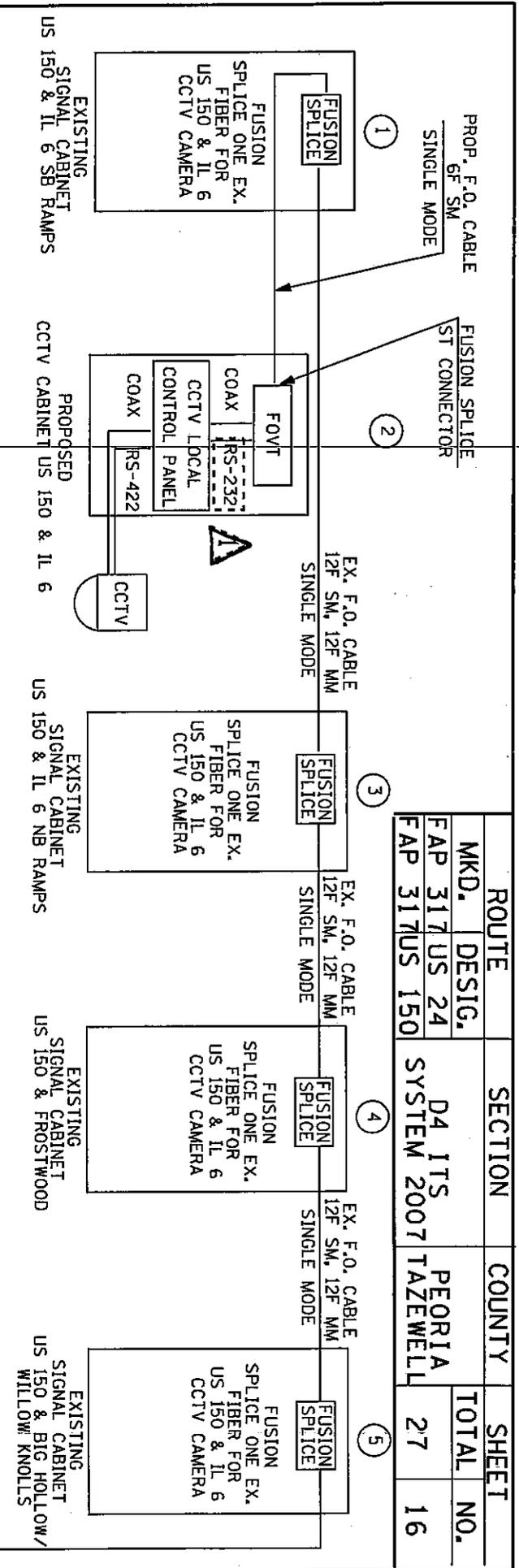
CCTV CAMERA AND EQUIPMENT CABINET TO BE MOUNTED ON EXISTING MAST ARM STRAIN POLE. THREE 1/C #8 CABLES TO BE INSTALLED FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO PROPOSED ITS CABINET.

REVISED
4/2/07

CCTV DETAILS
US 150 & PROSPECT
PEORIA
PEORIA COUNTY

NOT TO SCALE

ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS	PEORIA	TOTAL
FAP 317 US 24	SYSTEM 2007	TAZEWELL	NO.
FAP 317 US 150			27
			16



ITEM DESCRIPTION	UNIT	QTY.
FIBER OPTIC FUSION SPLICE	EACH	5.0
FIBER OPTIC FUSION SPLICED CONNECTOR	EACH	2.0

NOTE: ALL ST CONNECTORS SHALL BE FUSION SPLICED TO MINIMIZE OPTICAL POWER LOSS.

COMMUNICATION LINE

REVISED 4/2/07
NOT TO SCALE
CITY OF PEORIA
PEORIA COUNTY

US 150 (WAR MEMORIAL DR.)

EXISTING SIGNAL CABINET US 150 & BARING TRAC
EXISTING SIGNAL CABINET US 150 & MONTELLO
EXISTING TYPE V SIGNAL CABINET US 150 & ALLEN
EXISTING SIGNAL CABINET US 150 & IL 6 NB RAMP
EXISTING SIGNAL CABINET US 150 & IL 6 SB RAMP

PROPOSED CCTV CABINET US 150 & IL 6 NB RAMP

PROPOSED CCTV CAMERA IL 116 & ALLEN RD.

TO US 150 & GLEN HOLLOW EX. SIGNAL CABINET SEE SHEET 18

STATIONS: 1 (0.4 MILES SB), 2 (0.4 MILES NB), 3 (0.2 MILE NB), 4 (0.8 MILE FROSTWOOD), 5 (1.1 MILES BIG HOLLOW), 6 (0.5 MILES BARING TRAC), 7 (0.5 MILES MONTELLO), 8 (0.5 MILES ALLEN)

ITEM DESCRIPTION	UNIT	QTY.
FIBER OPTIC FUSION SPLICE	EACH	8.0
FIBER OPTIC CONNECTOR, ST. FUSION SPLICED	EACH	2.0

ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS	PEORIA	TOTAL
FAP 317 US 24	SYSTEM 2007	TAZEWELL	NO.
FAP 317 US 150			27
			17

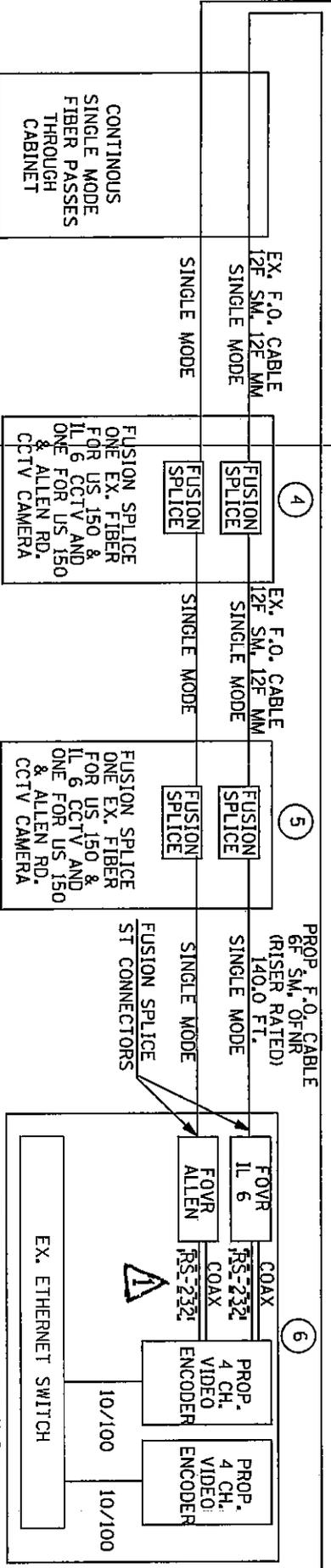
FROM US 150 & ALLEN RD, EX. SIGNAL CABINET	EX. F.O. CABLE 12F SM, 12F MM SINGLE MODE	CONTINUOUS SINGLE MODE FIBER PASSES THROUGH CABINET	EXISTING SIGNAL CABINET GLEN HOLLOW	EX. F.O. CABLE 12F SM, 12F MM SINGLE MODE	CONTINUOUS SINGLE MODE FIBER PASSES THROUGH CABINET	EXISTING SIGNAL CABINET US 150 & NORTHLAND	EX. F.O. CABLE 12F SM, 12F MM SINGLE MODE	FUSION SPLICE	EXISTING SIGNAL CABINET US 150 & GLEN/STERLING	EX. F.O. CABLE 12F SM, 12F MM SINGLE MODE	FUSION SPLICE	EXISTING SIGNAL CABINET US 150 & SCENIC	FUSION SPLICE
SEE SHEET 17	SINGLE MODE			SINGLE MODE			SINGLE MODE		SINGLE MODE			SINGLE MODE	

EXISTING SIGNAL CABINET GLEN HOLLOW

EXISTING SIGNAL CABINET US 150 & NORTHLAND

EXISTING SIGNAL CABINET US 150 & GLEN/STERLING

EXISTING SIGNAL CABINET US 150 & SCENIC

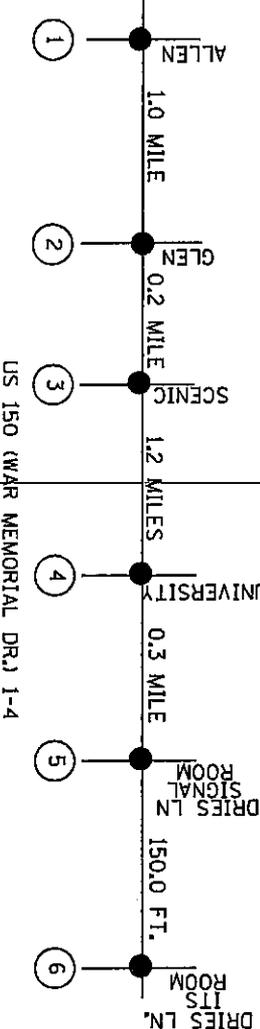


EXISTING SIGNAL CABINET US 150 & BRANDYWINE

EXISTING SIGNAL CABINET US 150 & UNIVERSITY

TRAFFIC SIGNAL COMPUTER ROOM PEORIA PUBLIC WORKS DRIES LANE

ITS/TELECOM EQUIPMENT ROOM PEORIA PUBLIC WORKS DRIES LANE



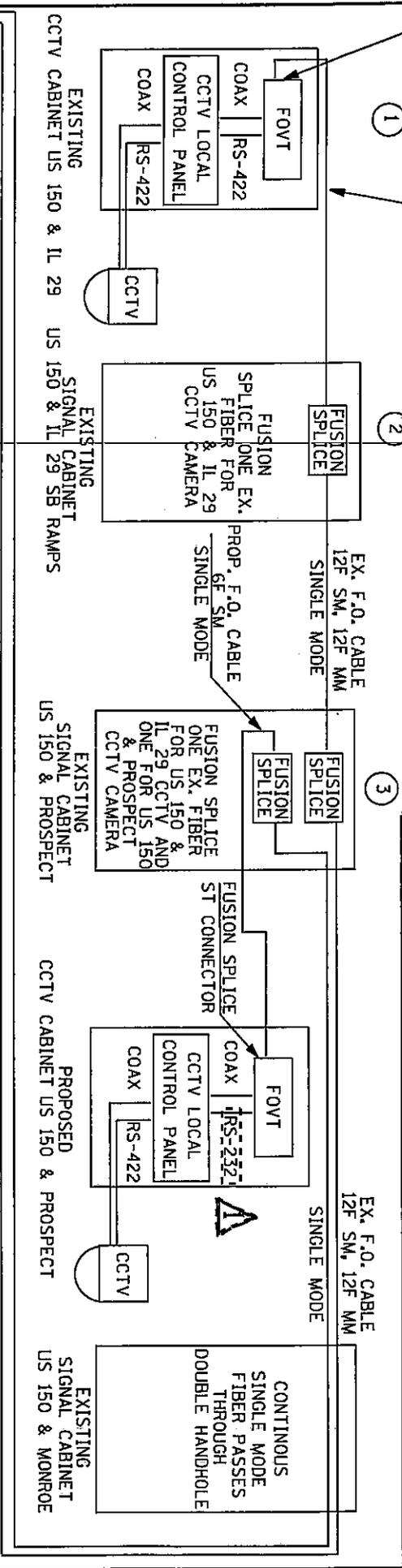
NOTE: ALL ST CONNECTORS SHALL BE FUSION SPLICED TO MINIMIZE OPTICAL POWER LOSS.

NOT TO SCALE

REVISED 4/2/07

COMMUNICATION LINE
DIAGRAM #2
CITY OF PEORIA
PEORIA COUNTY

ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS	PEORIA	TOTAL
FAP 317 US 24	SYSTEM 2007	TAZEWELL	NO.
FAP 317 US 150			27
			18

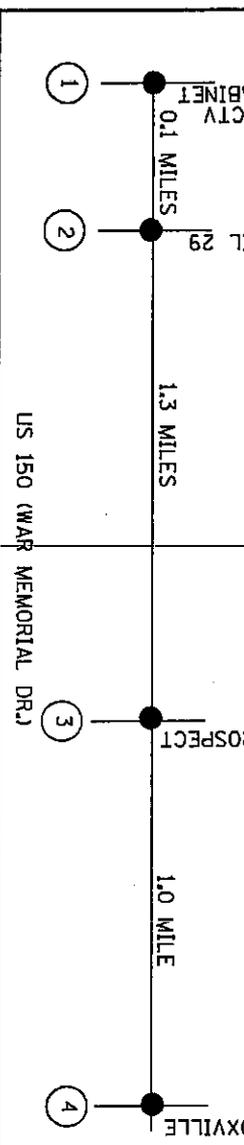


ITEM DESCRIPTION	UNIT	QTY
FIBER OPTIC FUSION SPLICE	EACH	6.0
FIBER OPTIC FUSION SPLICED CONNECTOR	EACH	3.0

NOTE: ALL ST CONNECTORS SHALL BE FUSION SPLICED TO MINIMIZE OPTICAL POWER LOSS.

REVISED
4/2/07

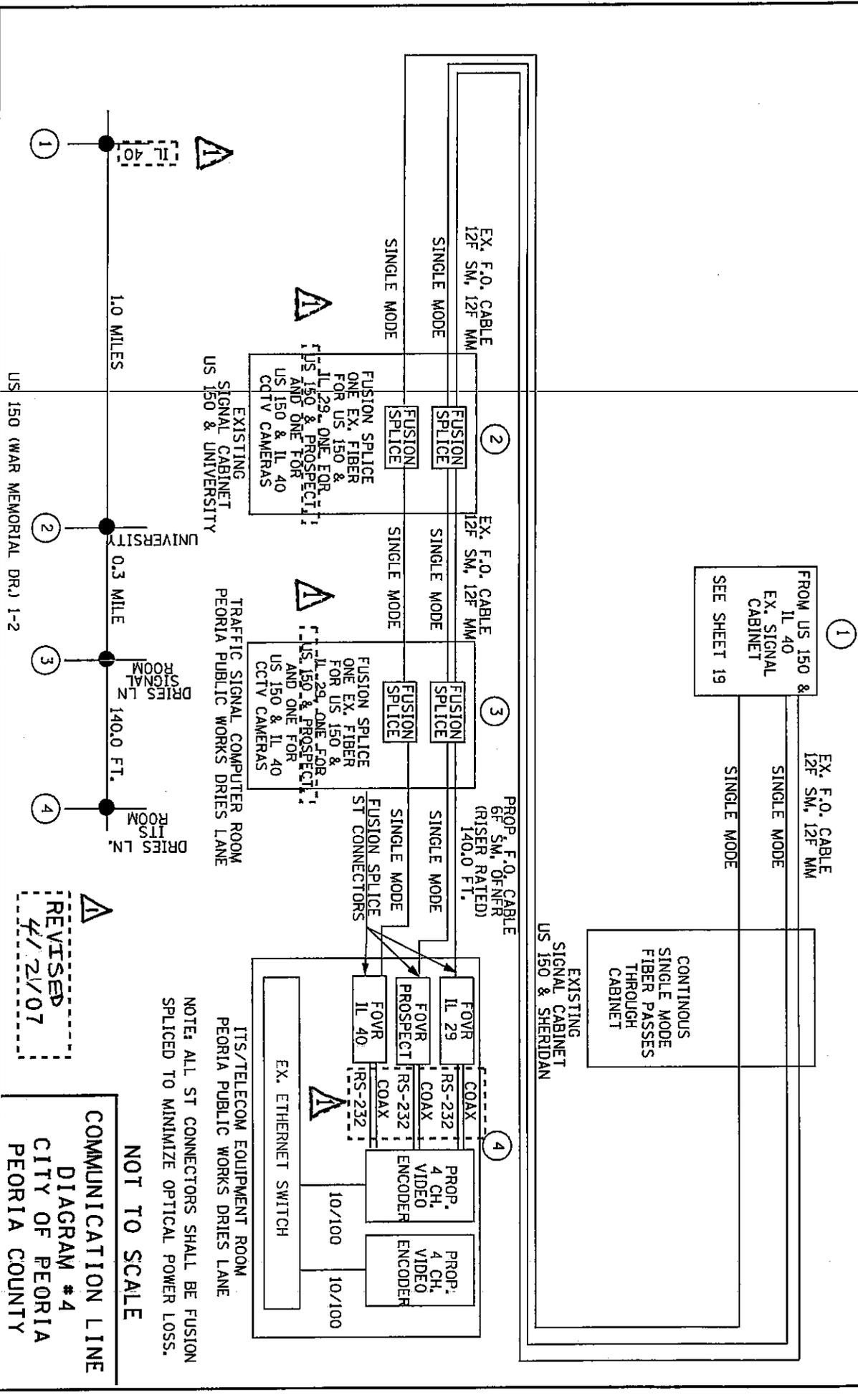
COMMUNICATION LINE
DIAGRAM # 3
CITY OF PEORIA
PEORIA COUNTY



NOT TO SCALE

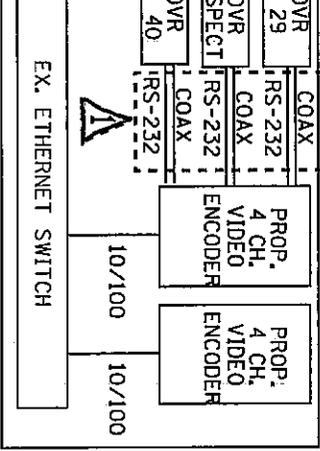
ITEM DESCRIPTION	UNIT	QTY
FIBER OPTIC FUSION SPLICE	EACH	6.0
FIBER OPTIC FUSION SPLICED CONNECTOR	EACH	3.0

ROUTE	SECTION	COUNTY	SHEET
MKD. DESIG.	D4 ITS	PEORIA	TOTAL
FAP 317 US 24	SYSTEM 2007	TAZEWELL	NO.
FAP 317 US 150			27
			19



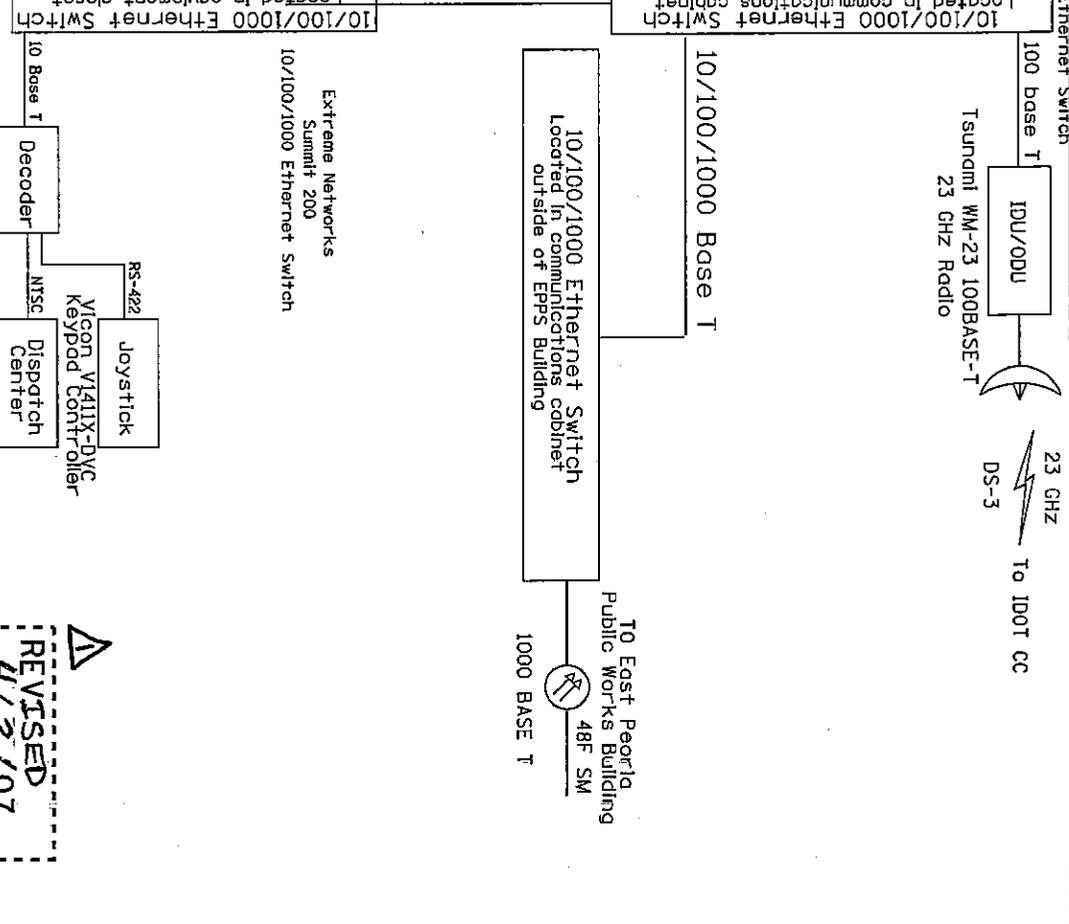
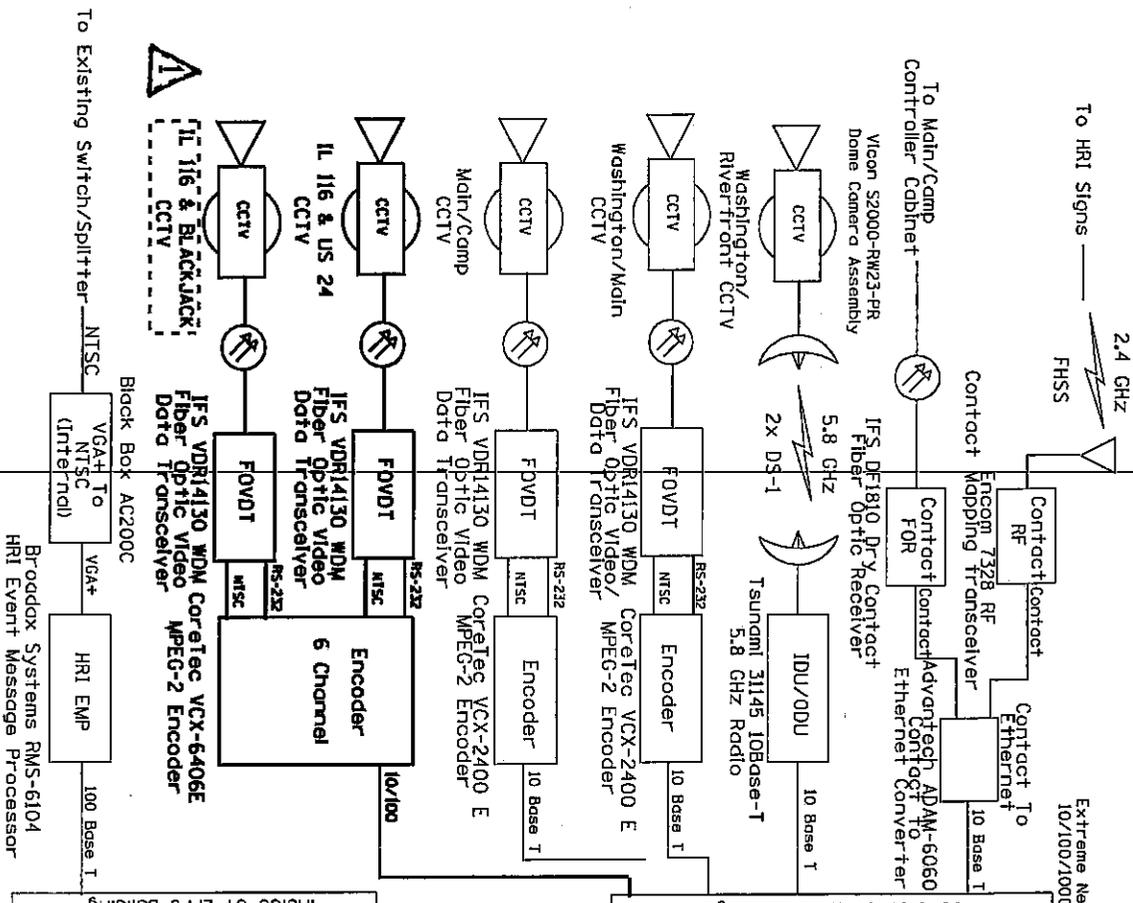
REVISIONS
 4/21/07

NOT TO SCALE
 COMMUNICATION LINE
 DIAGRAM #4
 CITY OF PEORIA
 PEORIA COUNTY



ITS/TELECOM EQUIPMENT ROOM
 PEORIA PUBLIC WORKS DRIES LANE
 NOTE: ALL ST CONNECTORS SHALL BE FUSION
 SPLICED TO MINIMIZE OPTICAL POWER LOSS.

ROUTE	SECTION	COUNTY	SHEET	
MKD. DESIG.	D4 JTS	PEORIA	TOTAL	NO.
FAP 317 US 24	SYSTEM 2007	TAZEWELL	27	21
FAP 317 US 150				



NOT TO SCALE

ITS NODE DETAIL
EAST PEORIA PUBLIC SAFETY BUILDING

REVISED
4/2/07

ROUTE	SECTION	COUNTY	SHEET	
MKD.	DESIG.		TOTAL	NO.
FAP 317 US 24	D4 ITS SYSTEM 2007	PEORIA	27	24
FAP 317 US 150		TAZEWELL		

ILLINOIS DEPARTMENT OF TRANSPORTATION COMMUNICATIONS CENTER NODE

ITEMS TO BE INSTALLED (REFER TO PROJECT SPECIAL PROVISIONS FOR COMPLETE DETAILS AND SPECIFICATIONS)

- INSTALL ONE ADDITIONAL VIDEO DECODER CARD CAGE AND POWER SUPPLY IN EXISTING EQUIPMENT RACK IN ITS EQUIPMENT ROOM.
- INSTALL ADDITIONAL VICON LINE DISTRIBUTION UNIT IN EXISTING EQUIPMENT RACK IN ITS EQUIPMENT ROOM.
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT US 150 & IL 6)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT US 150 & ALLEN)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CAMERA AT US 150 & PROSPECT)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT US 150 & IL 40)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT US 150 & IL 29)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT US 24 & IL 116)
- INSTALL ONE CHANNEL RACK MOUNTED VIDEO DECODER (FOR PROPOSED CCTV CAMERA AT IL 116 & BLKJACK)
- INSTALL ALL OTHER ITEMS REQUIRED FOR THE IMPROVEMENT (CABLES, ACCESSORIES, ETC.)



ITEM DESCRIPTION	UNIT	QUANTITY
ILLINOIS DEPT OF TRANSPORTATION COMMUNICATIONS NODE	LSUM	1.0



REVISED
4/2/07

NOT TO SCALE

ITS NODE DETAIL
IDOT DISTRICT 4
COMMUNICATION CENTER