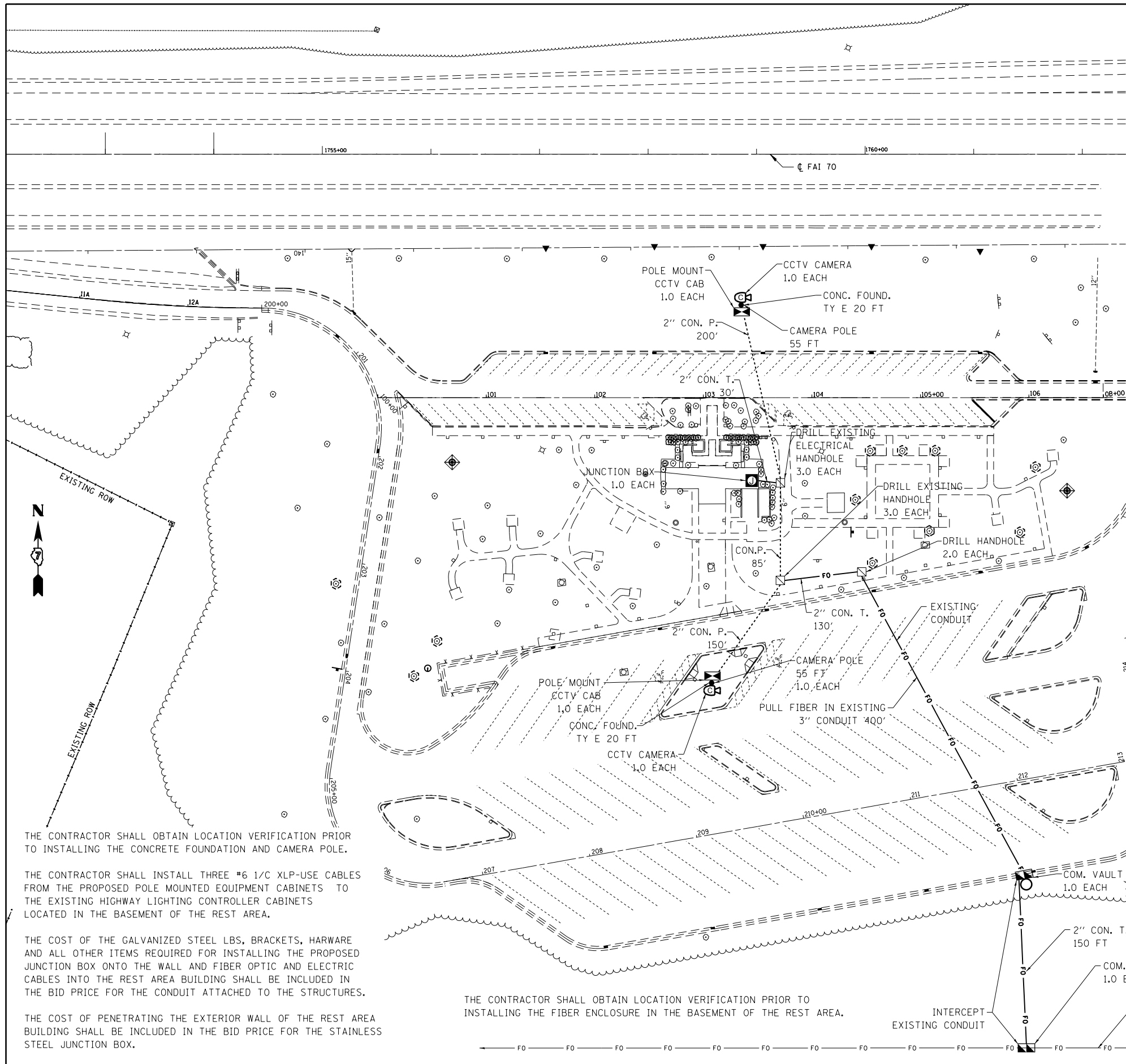


Location No.:	CCTV #7	LOC. DESCRIPTION	NATIONAL TRAIL REST AREA, EB					
County:	EFFINGHAM	Route:	I-70	M.P.:		Direction:	EB	
Description of Work							Unit	Quantity
UNDERGROUND CONDUIT, PVC, 2" DIA.							FOOT	750.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL							FOOT	5.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"							EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6							FOOT	1800.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER							FOOT	40.0
DRILL EXISTING HANDHOLE							EACH	8.0
CLOSED CIRCUIT TELEVISION CABINET							EACH	2.0
CAT 5 ETHERNET CABLE							FOOT	115.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED							EACH	2.0
CAMERA POLE, 55 FT							EACH	2.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE							FOOT	1600.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH							EACH	3.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET							EACH	2.0
COMMUNICATIONS VAULT							EACH	2.0



THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE CONCRETE FOUNDATION AND CAMERA POLE.

THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE PROPOSED POLE MOUNTED EQUIPMENT CABINETS TO THE EXISTING HIGHWAY LIGHTING CONTROLLER CABINETS LOCATED IN THE BASEMENT OF THE REST AREA.

THE COST OF THE GALVANIZED STEEL LBS, BRACKETS, HARWARE AND ALL OTHER ITEMS REQUIRED FOR INSTALLING THE PROPOSED JUNCTION BOX ONTO THE WALL AND FIBER OPTIC AND ELECTRIC CABLES INTO THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO THE STRUCTURES.

THE COST OF PENETRATING THE EXTERIOR WALL OF THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE STAINLESS STEEL JUNCTION BOX.

THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE FIBER ENCLOSURE IN THE BASEMENT OF THE REST AREA.

THE CONTRACTOR SHALL INSTALL THE PROPOSED COMMUNICATIONS VAULTS OVER THE EXISTING CONDUIT. THE COST OF INTERCEPTING THE EXISTING CONDUIT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

WORK PERFORMED BY OTHERS:
FIBER OPTIC CABLE SHALL BE SPLICED BY A CONTRACTOR DESIGNATED BY CENTRAL MANAGEMENT SERVICES. LATERALLY FUSION SPlice SIX SINGLEMODE FIBERS FROM THE EXISTING CMS FIBER OPTIC CABLE TO CREATE A LINK TO THE PROPOSED CCTV CAMERA. THIS WORK SHALL BE PAID FOR UNDER ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.

TWELVE FIBERS SHALL BE TERMINATED WITH ST CONNECTORS INSIDE THE PROPOSED POLE MOUNTED EQUIPMENT CABINET AT THE SOUTH CCTV CAMERA POLE, TWELVE FIBERS SHALL BE TERMINATED IN THE BASEMENT OF THE REST AREA AND SIX FIBERS SHALL BE TERMINATED AT THE NORTH CCTV CAMERA POLE. THE COST OF DRILL EXISTING COMMUNICATION VAULT SHALL BE AID FOR AS DRILL EXISTING HAND HOLE. THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO THE INSTALLING THE FIBER ENCLOSURE IN THE BASEMENT OF THE REST AREA.

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -
ei:\pw\work\p\idot\teasleyck\d0360593\074643-shr-plan.dgn	4643-shr-plan.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/26/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EB NATIONAL TRAIL REST AREA
(CCTV Location #7)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2014	VARIOUS	72	36
CONTRACT NO. 74643			ILLINOIS FED. AID PROJECT	