

INDEX OF SHEETS

SEE SHEET 2 FOR INDEX OF SHEETS

HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION

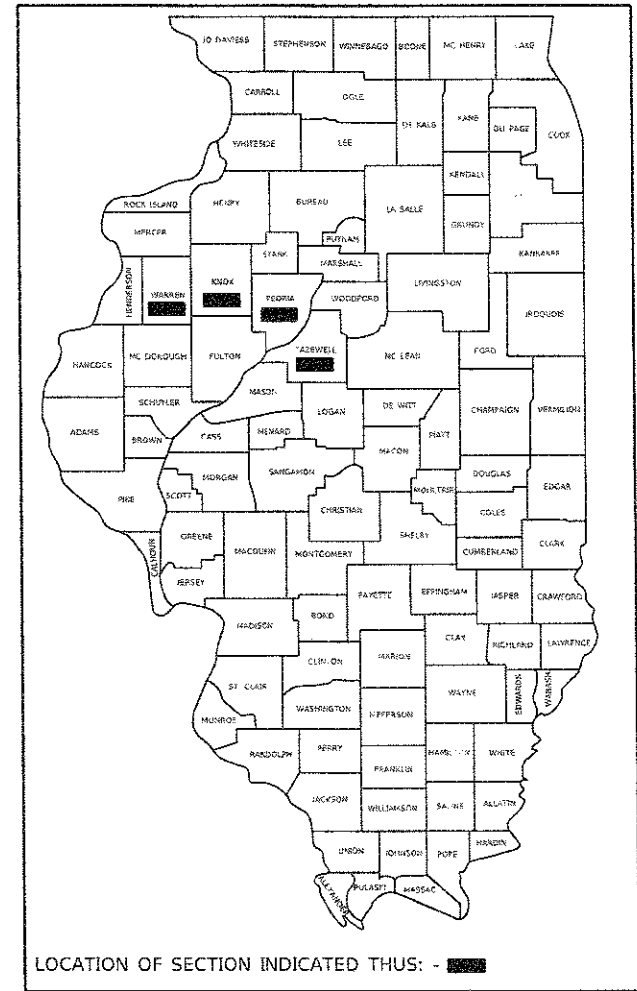
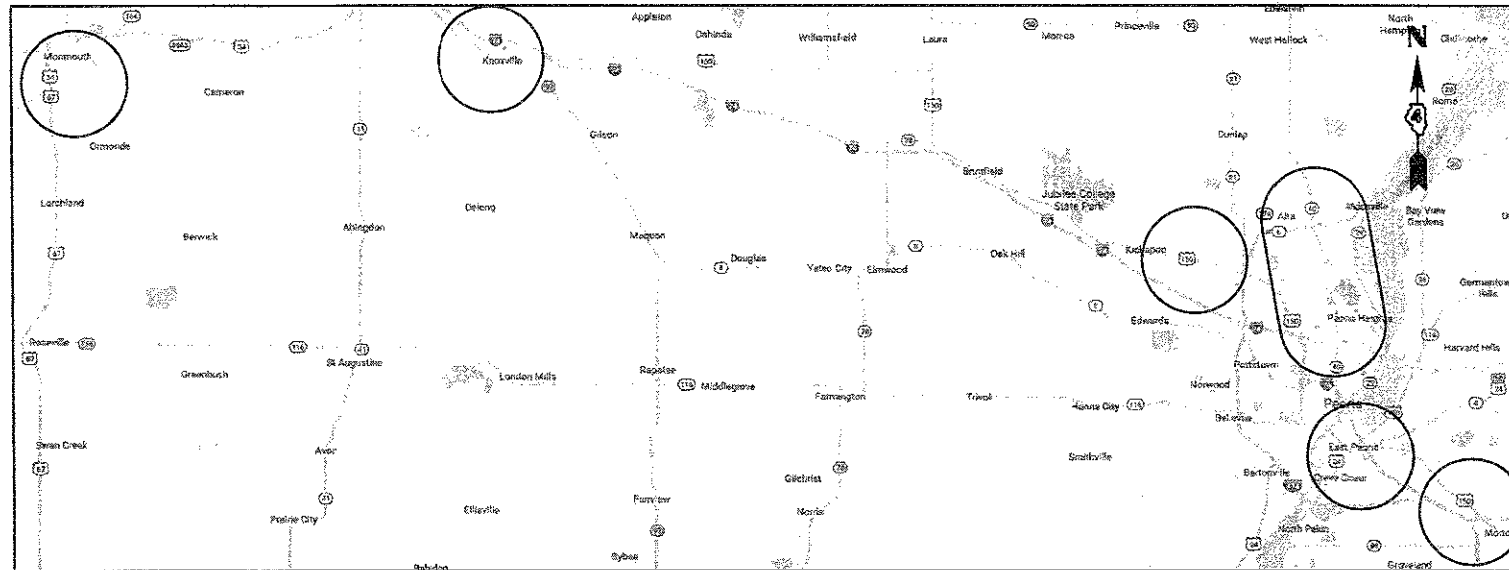
INSTALLATION OF FIBER OPTIC CABLE, DUCT AND COMMUNICATION VAULTS AT VARIOUS LOCATIONS IN DISTRICT 4

J.U.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: ERIC HOWALD (309) 671-4481 PROJECT MANAGER: BEN TELLEFSON (309) 671-4477 CATALOG NO. 35652-00D CONTRACT NO. 68E59

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROPOSED HIGHWAY PLANS VARIOUS ROUTES SECTION D4 FIBER OPTIC 2019 VARIOUS COUNTIES

C-94-097-18



LOCATION OF SECTION INDICATED THIS: - [Symbol]

Table with columns: ROUTE, SECTION, COUNTY, TOTAL SHEET NO. Values: VARIOUS, D4 FIBER OPTIC 2019, VARIOUS, 26 + 1 = 27 TOTAL SHEETS

D-94-072-18 *26 + 1 = 27 TOTAL SHEETS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED May 18 2018 Kensele A. Garnett (KSD) REGION THREE ENGINEER June 29 2018 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT June 29 2018 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				VARIOUS COUNTIES CONST. TYPE CODE 0021 (100% STATE BROADBAND FIBER PROGRAM FUNDS) URBAN
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	
67100100	MOBILIZATION	L SUM	1.0	1.0
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	23940.0	23940.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	210.0	210.0
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	8.0	8.0
87900200	DRILL EXISTING HANDHOLE	EACH	10.0	10.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	1.0
X8110456	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	FOOT	40.0	40.0
X8130110	JUNCTION BOX (SPECIAL)	EACH	7.0	7.0
X8130115	DRILL EXISTING JUNCTION BOX	EACH	1.0	1.0
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	75102.0	75102.0
Z0033052	COMMUNICATIONS VAULT	EACH	24.0	24.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	4
CONTRACT NO. 60E59				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES				PEORIA COUNTY			KNOX COUNTY	TAZEWELL COUNTY		WARREN COUNTY
				IL 40 (KNOXVILLE AVE.)	IDOT PEORIA WEST OPERATIONS YARD	IDOT TRAFFIC BUILDING & SIGN SHOP	IDOT KNOXVILLE OPERATIONS YARD	IDOT MORTON OPERATIONS YARD	IDOT BRIDGE OPERATIONS YARD	IDOT MONMOUTH OPERATIONS YARD
CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.							
67100100	MOBILIZATION	L SUM	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	23940.0		7170.0	3530.0	5280.0	765.0	160.0	7035.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	210.0	210.0						
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	8.0		3.0	1.0	1.0	1.0	1.0	1.0
87900200	DRILL EXISTING HANDHOLE	EACH	10.0	4.0	1.0	1.0		1.0	2.0	1.0
X7010600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406, SPECIAL	L SUM	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1
X8110456	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	FOOT	40.0		15.0	5.0	5.0	5.0	5.0	5.0
X8130110	JUNCTION BOX (SPECIAL)	EACH	7.0		4.0		2.0			1.0
X8130115	DRILL EXISTING JUNCTION BOX	EACH	1.0				1.0			
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	75102.0	55774.0	5360.0	2190.0	3620.0	2599.0	1769.0	3790.0
Z0033052	COMMUNICATIONS VAULT	EACH	24.0	8.0	4.0	2.0	3.0	1.0	2.0	4.0

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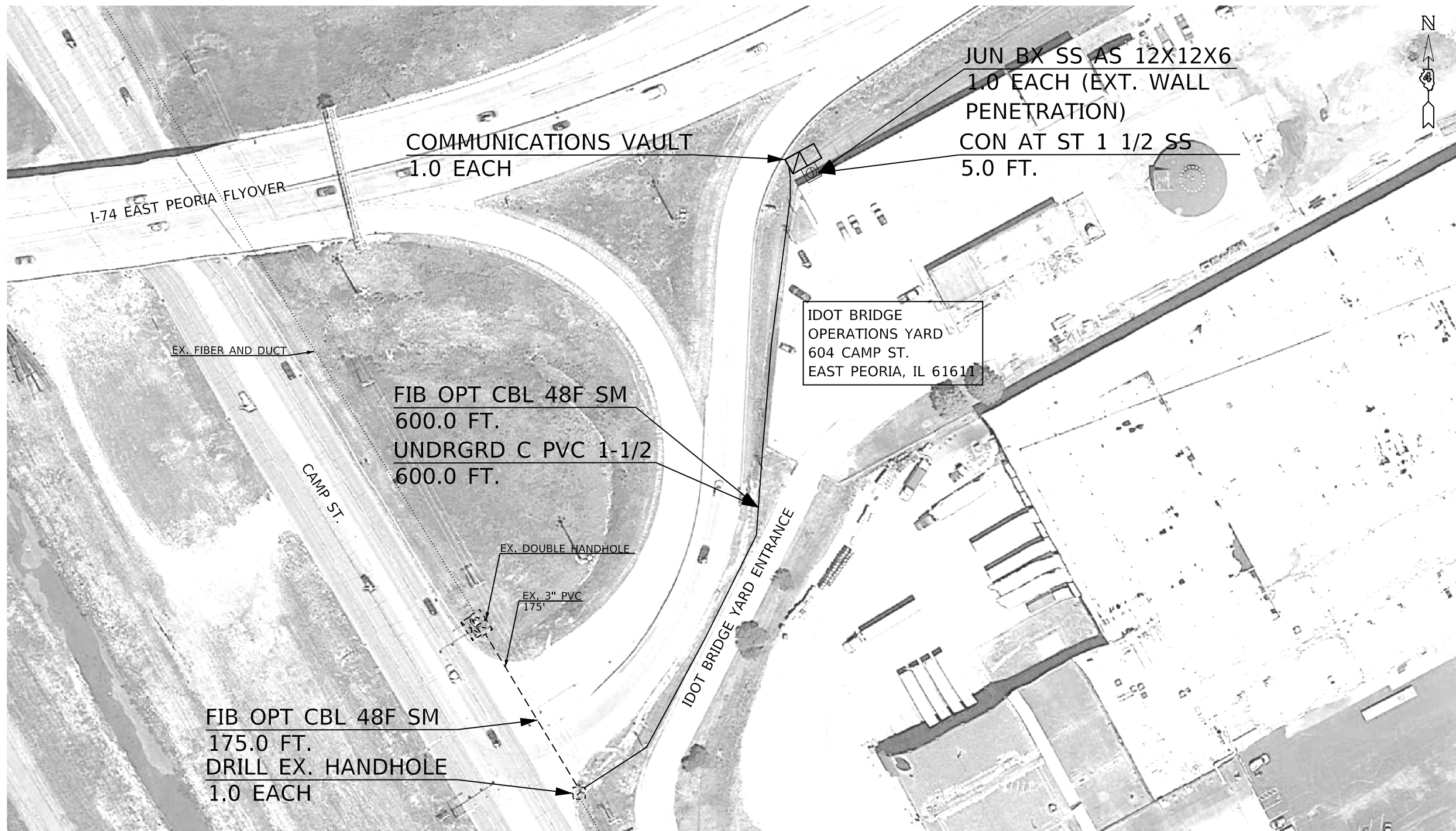
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	5
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				

REV. 7/25/18



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	1769.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	160.0
COMMUNICATIONS VAULT	EACH	2.0
DRILL EXISTING HANDHOLE	EACH	2.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	EACH	5.0

- LEGEND
- EX. HANDHOLE
 - EX. DOUBLE HANDHOLE
 - EX. TRAFFIC SIGNAL CONTROLLER CABINET
 - EX. FIBER AND DUCT
 - PROP. JUNCTION BOX (WALL-MOUNTED)
 - PROP. COMMUNICATIONS VAULT
 - PROP. FIBER OPTIC CABLE IN 1 1/2" PVC CONDUIT
 - PROP. FIBER OPTIC CABLE IN EX. CONDUIT

THE CONTRACTOR SHALL COIL 100 FT. OF SLACK FIBER OPTIC CABLE INSIDE PROPOSED COMMUNICATIONS VAULT.

THE PROPOSED FIBER SHALL BE LATERALLY SPLICED INTO THE EXISTING FIBER AT THE INTERSECTION OF CAMP ST. & RIVERSIDE DRIVE. THE CONTRACTOR SHALL INSTALL A COMMUNICATIONS VAULT IN CLOSE PROXIMITY TO THE EXISTING HANDHOLE LOCATED IN THE NORTHEAST QUADRANT BY THE TRAFFIC SIGNAL CONTROLLER CABINET. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE AND INSTALL A 1 1/2" DIA. PVC CONDUIT BETWEEN THE HANDHOLE AND THE PROPOSED COMMUNICATION VAULT.

NOT TO SCALE

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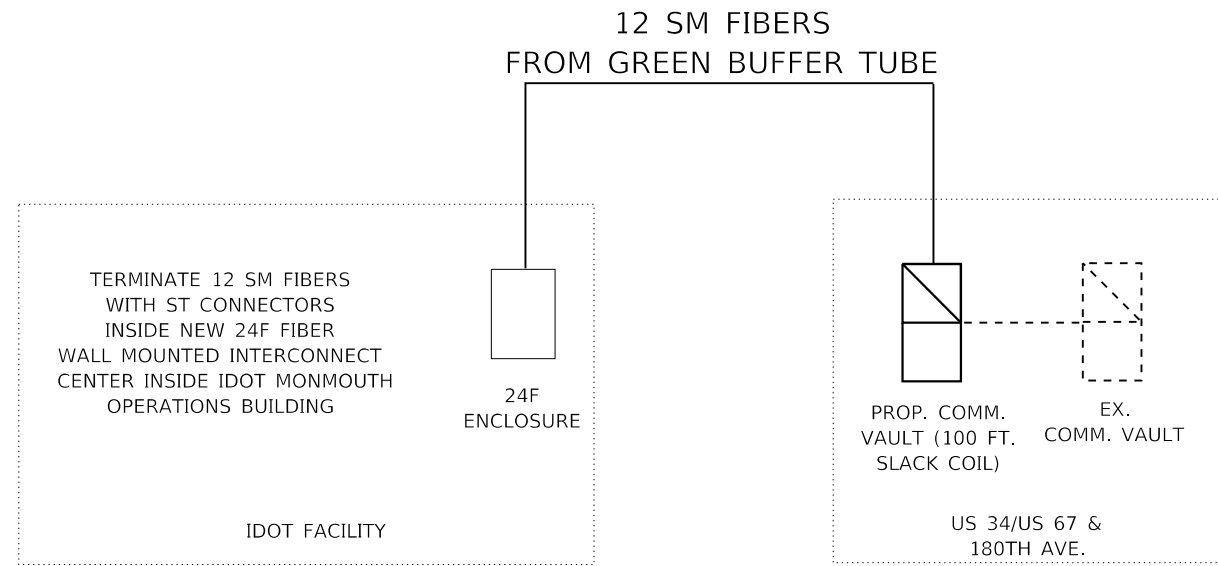
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CABLE AND CONDUIT PLANS
IDOT D4 BRIDGE OPERATIONS YARD**

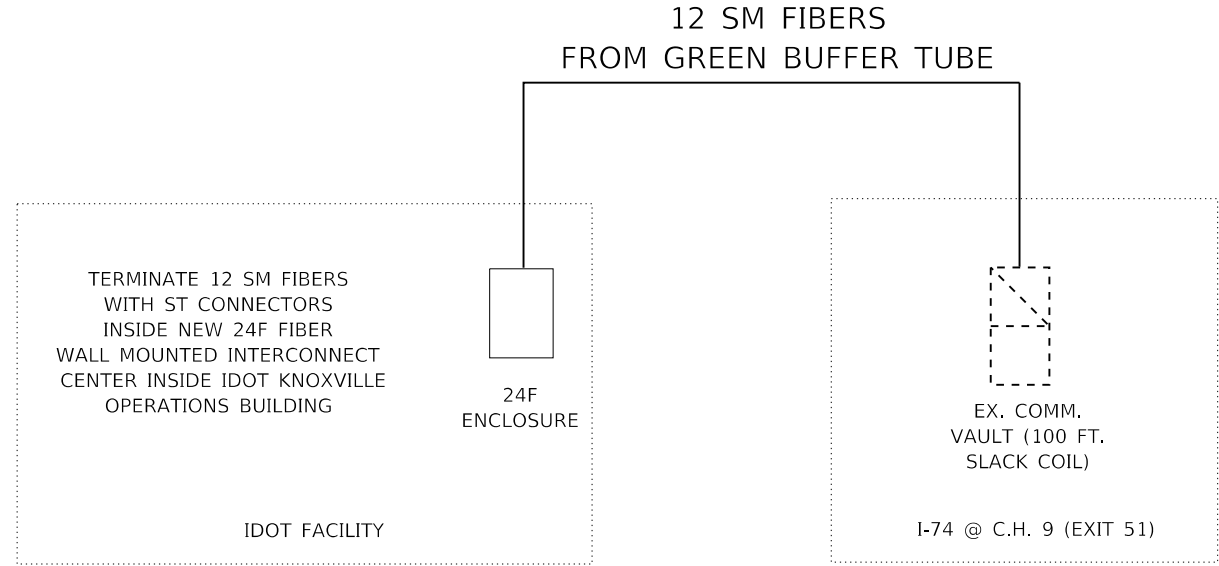
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	21
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				

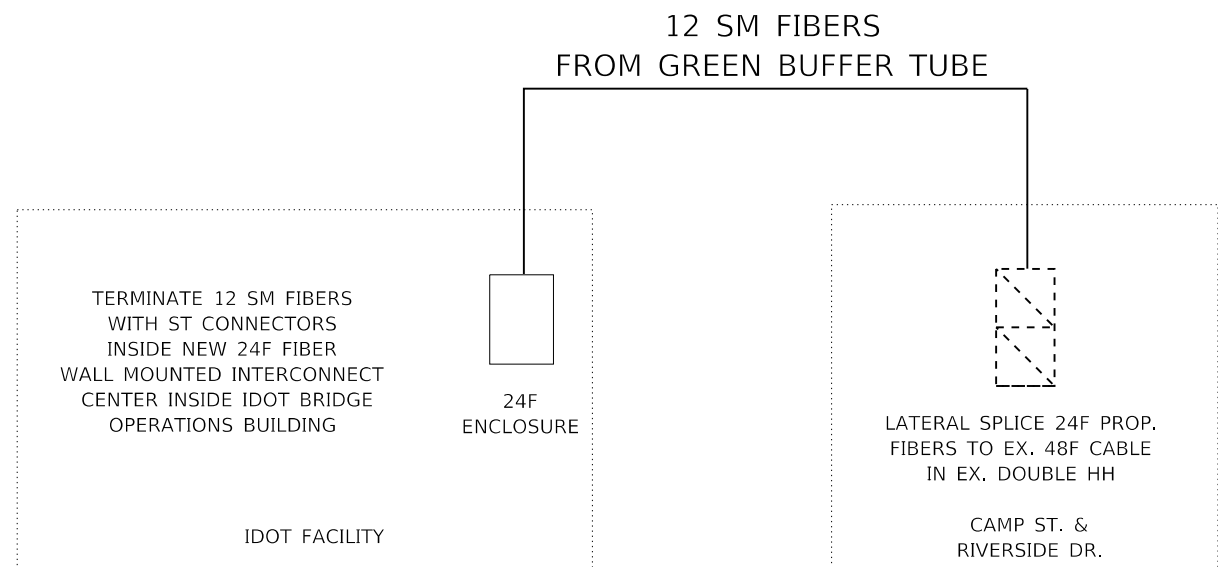
12 SINGLE MODE FIBERS (GREEN BUFFER TUBE)
FROM US 34/US 67 & 180TH ST INTERCHANGE TO IDOT MONMOUTH OPERATIONS YARD



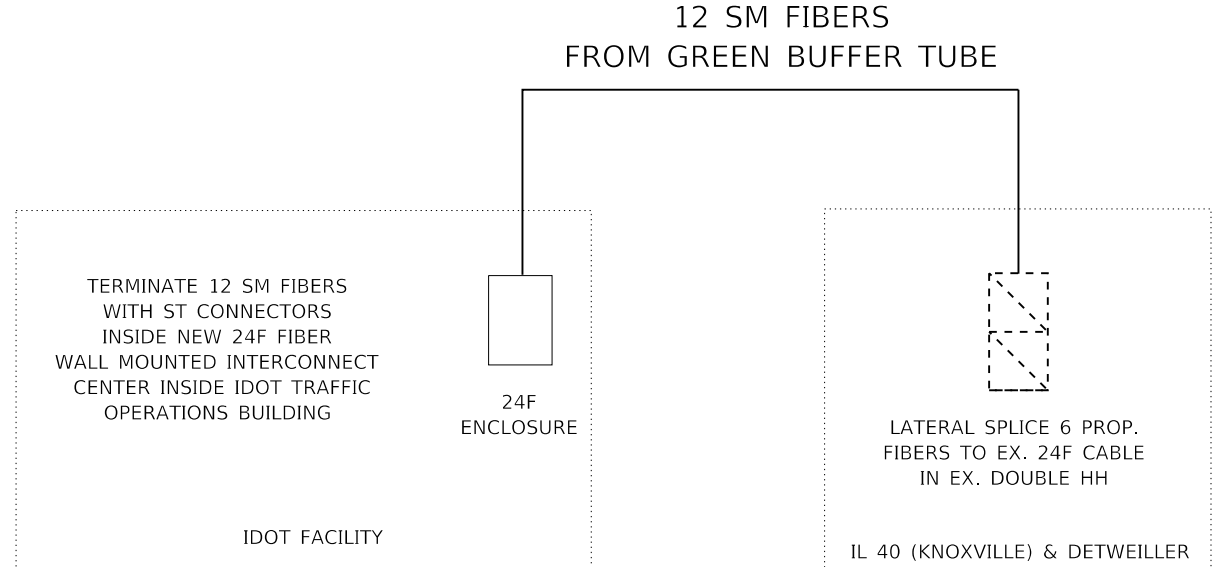
12 SINGLE MODE FIBERS (GREEN BUFFER TUBE)
FROM I-74 & C.H. 9 (EXIST 51) INTERCHANGE TO IDOT KNOXVILLE OPERATIONS YARD



12 SINGLE MODE FIBERS (GREEN BUFFER TUBE)
FROM CAMP ST. & RIVERSIDE DRIVE TO IDOT BRIDGE YARD



12 SINGLE MODE FIBERS (GREEN AND BROWN BUFFER TUBES)
FROM IL 40 (KNOXVILLE) & DETWEILLER TO IDOT TRAFFIC FACILITY



NOT TO SCALE

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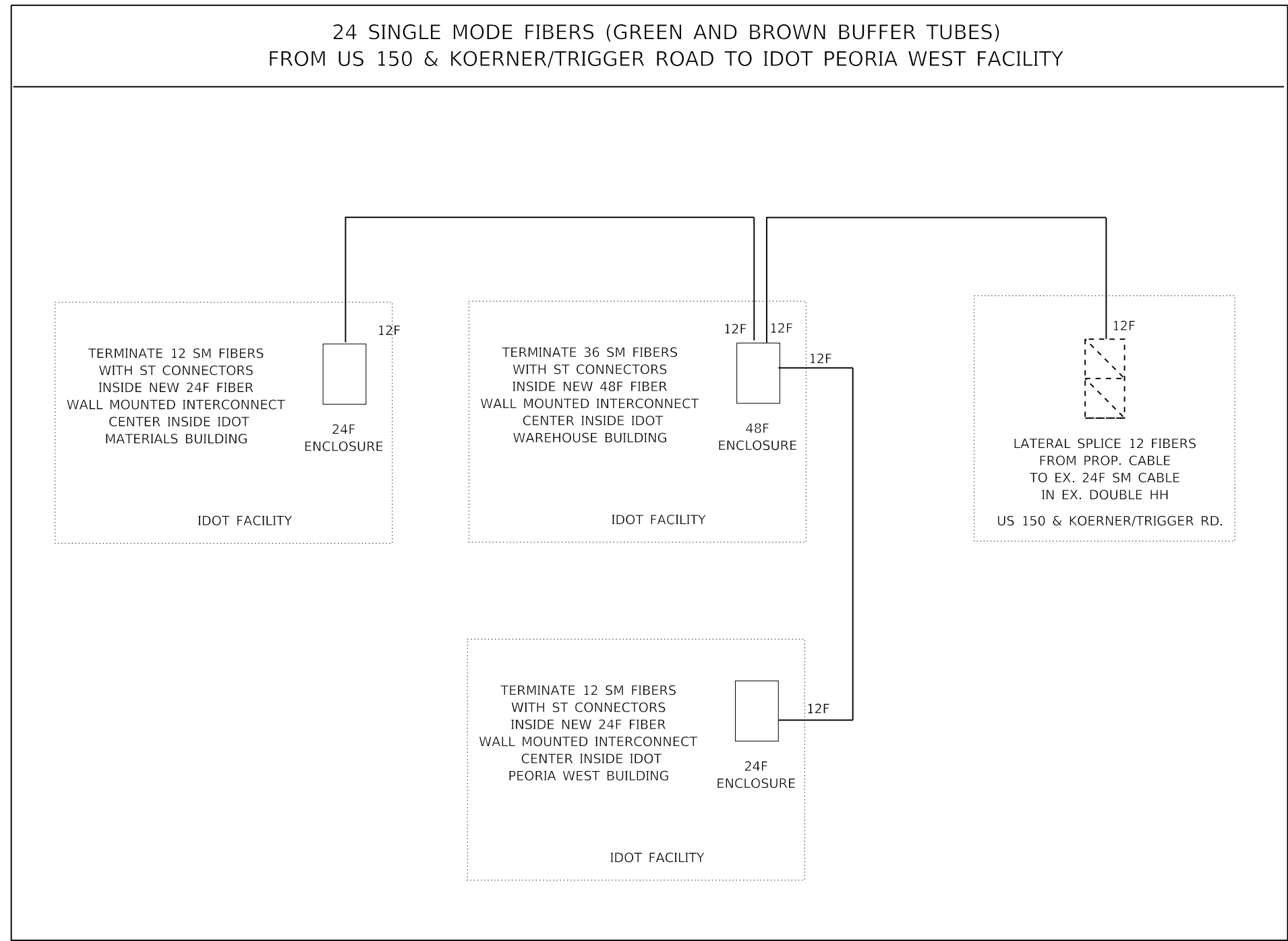
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC TERMINATION DIAGRAM (EAST PEORIA, KNOXVILLE, MONMOUTH, PEORIA)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	25
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				



24 SINGLE MODE FIBERS (GREEN AND BROWN BUFFER TUBES)
FROM US 150 & KOERNER/TRIGGER ROAD TO IDOT PEORIA WEST FACILITY



FIBER COLOR ABBREVIATIONS	
BLUE:	BL
ORANGE:	OR
GREEN:	GR
BROWN:	BR
SLATE:	SL
WHITE:	WH
RED:	RD
BLACK:	BK
YELLOW:	YL
VIOLET:	VL
ROSE:	RS
AQUA:	AQ

NOT TO SCALE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FIBER OPTIC TERMINATION DIAGRAM
PEORIA - IDOT PEORIA WEST OPERATIONS FACILITY**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	25A
			CONTRACT NO. 68E59	
		ILLINOIS FED. AID PROJECT		