

INDEX OF SHEETS

08-03-2018 LETTING ITEM 033

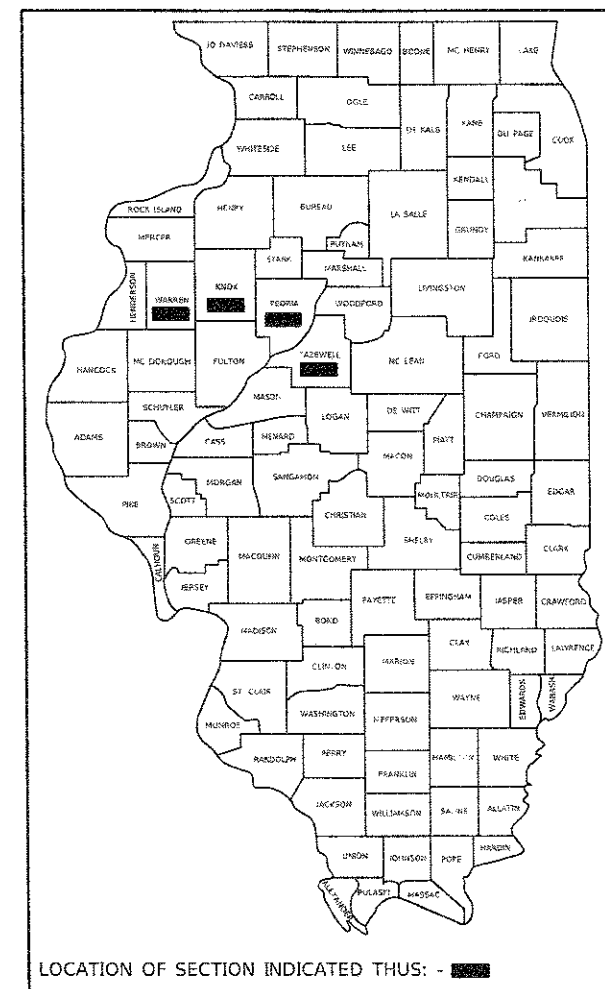
SEE SHEET 2 FOR INDEX OF SHEETS

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

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D4 FIBER OPTIC 2019	VARIOUS	26	1
ILLINOIS CONTRACT NO. 68E59				

D-94-072-18

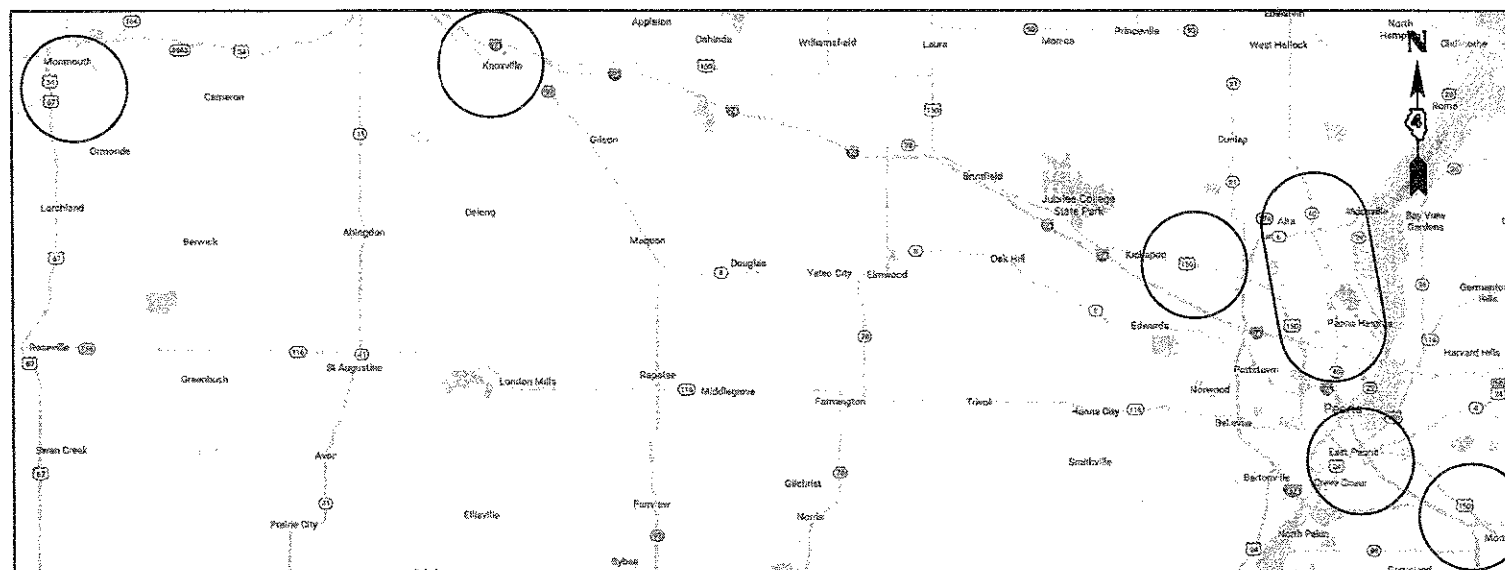


HIGHWAY STANDARDS

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

SUBMITTED May 18, 2018
Kensel A. Garnett (KSD)
 REGION THREE ENGINEER

June 29, 2018
Eric A. Etkin
 ENGINEER OF DESIGN AND ENVIRONMENT

June 29, 2018
Paul P. [Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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 OF THE STATE OF ILLINOIS

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20	PROPOSED FIBER OPTIC CABLE AND CONDUIT - IDOT D4 MORTON OPERATIONS YARD
21	PROPOSED FIBER OPTIC CABLE AND CONDUIT - IDOT D4 BRIDGE OPERATIONS YARD
22	PROPOSED FIBER OPTIC CABLE AND CONDUIT - IDOT D4 MONMOUTH OPERATIONS YARD
23 - 26	PROPOSED FIBER OPTIC TERMINATION DIAGRAMS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

HIGHWAY STANDARDS	
STANDARD	APPLICATION
001006	DECIMAL OF AN INCH AND OF A FOOT
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES

FIBER OPTIC CABLE SLACK
HANDHOLE: 10.0 FT.
DOUBLE HANDHOLE: 30.0 FT.
COMMUNICATIONS VAULT: 100.0 FT.
JUNCTION BOX: 10.0 FT.
ITS OR SIGNAL CABINET: 10.0 FT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	2
			CONTRACT NO. 68E59	
			ILLINOIS FED. AID PROJECT	

CONSTRUCTION NOTES

1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4. THE LOCATIONS FOR HANDHOLES, COMMUNICATION VAULTS, AND JUNCTION BOXES ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
5. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED CONDUIT AND FIBER OPTIC CABLE.
6. THE CONTRACTOR SHALL PROVIDE FIBER OPTIC CABLE SLACK IN ACCORDANCE WITH THE TABLE PROVIDED IN THE PLANS.
7. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 871.05 & 871.06.
8. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
9. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
10. THERE SHALL BE NO ADDITIONAL SPLICES IN THE FIBER OPTIC CABLE EXCEPT WHERE NOTED IN THE PLANS, OR UPON APPROVAL OF THE TRAFFIC ENGINEER.
11. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
12. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
13. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
14. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
15. THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
16. FIBER OPTIC CABLE SHALL BE SPLICED TO CREATE A CONTINUOUS LINK ALONG IL 40 (KNOXVILLE AVE.) AND AT EACH IDOT FACILITY. ALL FIBERS WITHIN THE CABLE SHALL BE FUSION SPLICED AND ALL SPLICES SHALL BE PROTECTED BY A WEATHERPROOF SPLICE ENCLOSURE. SPLICES SHALL BE MADE ONLY IN COMMUNICATION VAULTS.
17. THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE OR THHN) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE COMMUNICATION VAULTS. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PAY ITEM "FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE." AT THE CONTRACTOR'S OPTION, THE CONTRACTOR MAY ELECT TO UTILIZE COMMUNICATION DUCT THAT CONTAINS AN INTEGRATED WIRE THAT CAN BE USED FOR UNDERGROUND LOCATING PURPOSES.
18. ALL COMMUNICATION DUCT SHALL BE INSTALLED IN AND WILL BE PAID FOR IN ACCORDANCE WITH SECTION 810 "UNDERGROUND RACEWAYS" OF THE STANDARD SPECIFICATIONS.
19. THE LOCATION OF THE PROPOSED CONDUIT AS SHOWN ON THE PLAN SHEETS IS APPROXIMATE AND NOT DRAWN TO SCALE. CONDUIT INSTALLED ALONG THE INTERSTATE AND ROADWAYS SHALL BE LOCATED A MAXIMUM OF 10 FT. FROM THE EDGE OF THE R.O.W. UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER. THE CONDUIT SHALL BE INSTALLED AT A 36" MINIMUM DEPTH EXCEPT WHEN CROSSING WATERWAYS AND DRAINAGE FLOW LINES WHERE IT SHALL BE INSTALLED AT A 60" DEPTH.
20. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURES, INCLUDING, BUT NOT LIMITED TO UNISTRUT, BRACKETS, SEAL-TITE, LBS, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID UNIT PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
21. ALL CONDUIT ATTACHMENT BRACKETS HARDWARE SHALL BE STAINLESS STEEL.
22. THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING FIELD TILE, UNDERDRAIN, AND DRAINAGE STRUCTURE LOCATIONS. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE DAMAGE TO THESE FACILITIES DURING THE INSTALLATION OF CONDUIT AND COMMUNICATION VAULTS. IN THE EVENT THAT THESE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO THESE ITEMS AND RESTORE FUNCTIONALITY TO THE SATISFACTION OF THE ENGINEER.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING, BRUSH AND SHRUB REMOVAL, AND SMALL TREE (10" DIAMETER OR LESS) REMOVAL REQUIRED TO INSTALL THE PROPOSED CONDUIT AND COMMUNICATION VAULTS. THE CONTRACTOR SHALL DISPOSE OF ALL REMOVED ITEMS OFF OF THE JOB SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICES FOR THE COMMUNICATION DUCT PAY ITEM.
25. THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF INTERSTATE AND ROAD LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC.
26. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR INSTALLING COMMUNICATIONS DUCT AND COMMUNICATION VAULTS UNDER AND ALONG STATE, COUNTY AND TOWNSHIP ROADWAYS.
27. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION NOTES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	3
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				

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	9.0	9.0
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	74270.0	74270.0
Z0033052	COMMUNICATIONS VAULT	EACH	23.0	23.0

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PLOT DATE = 5/17/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. VAR.	SECTION D4 FIBER OPTIC 2019	COUNTY VAR	TOTAL SHEETS 26	SHEET NO. 4
			CONTRACT NO. 68E59	
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	9.0	4.0	1.0	1.0	1.0	1.0	1.0	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	74270.0	55774.0	5360.0	2190.0	3620.0	2599.0	937.0	3790.0
Z0033052	COMMUNICATIONS VAULT	EACH	23.0	8.0	4.0	2.0	3.0	1.0	1.0	4.0

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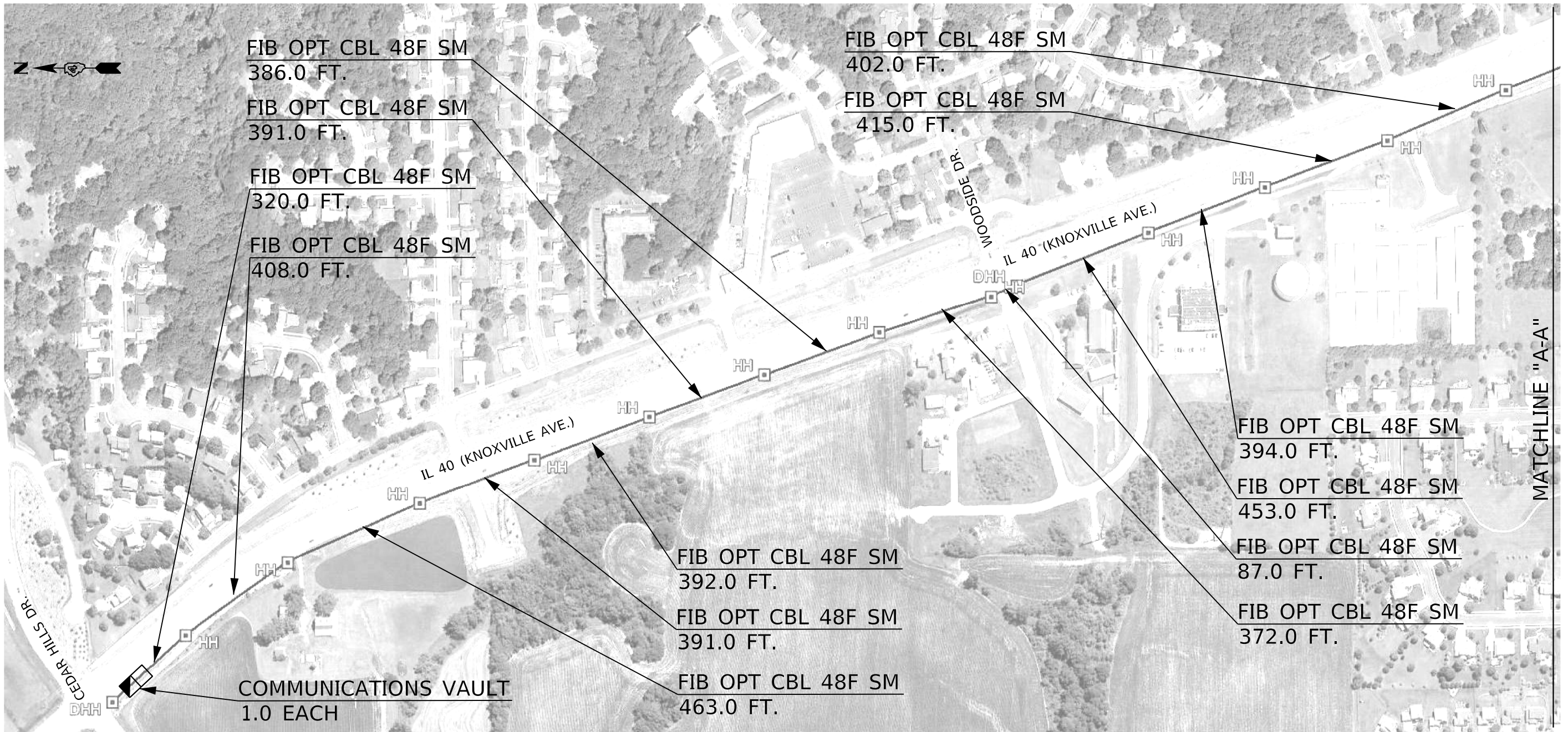
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5154.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

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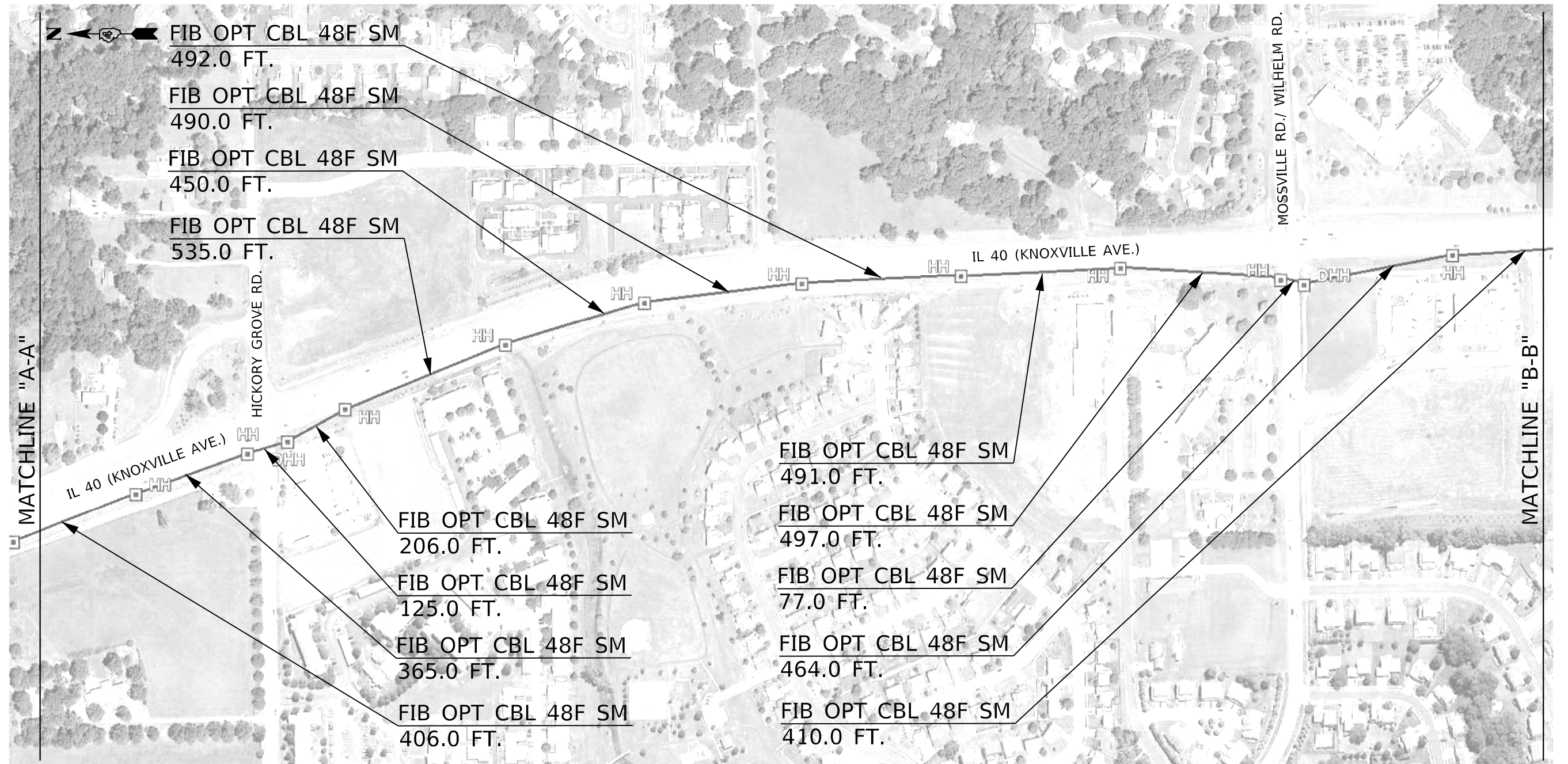
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) - CEDAR HILLS DR. TO WOODSIDE DR.

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E59	



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5168.0

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
- -	PROP. CONDUIT 2" PVC

NOT TO SCALE

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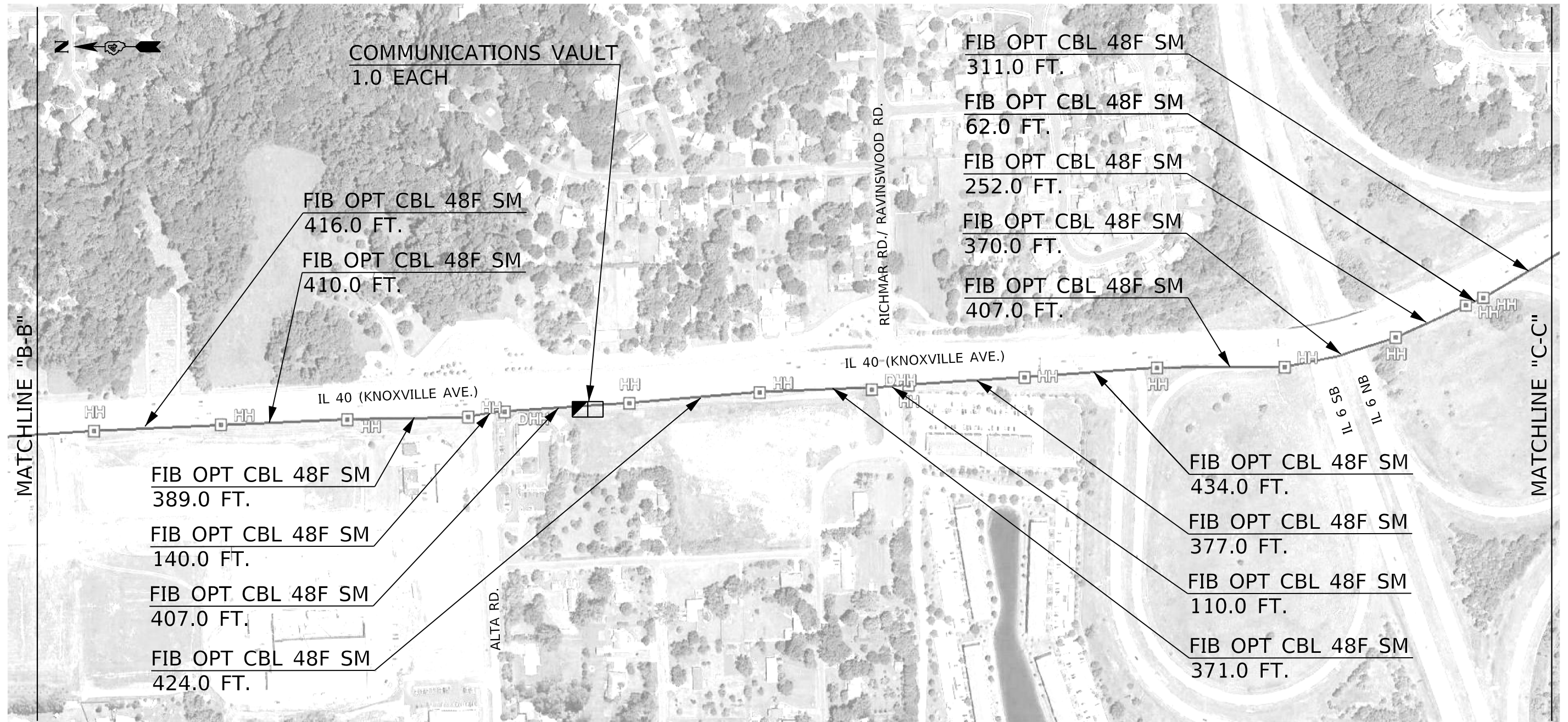
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) – HICKORY GROVE RD. TO MOSSVILLE/WILHELM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	7
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5170.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
VB	EX. COMMUNICATIONS VAULT
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
- -	PROP. CONDUIT 2" PVC

NOT TO SCALE

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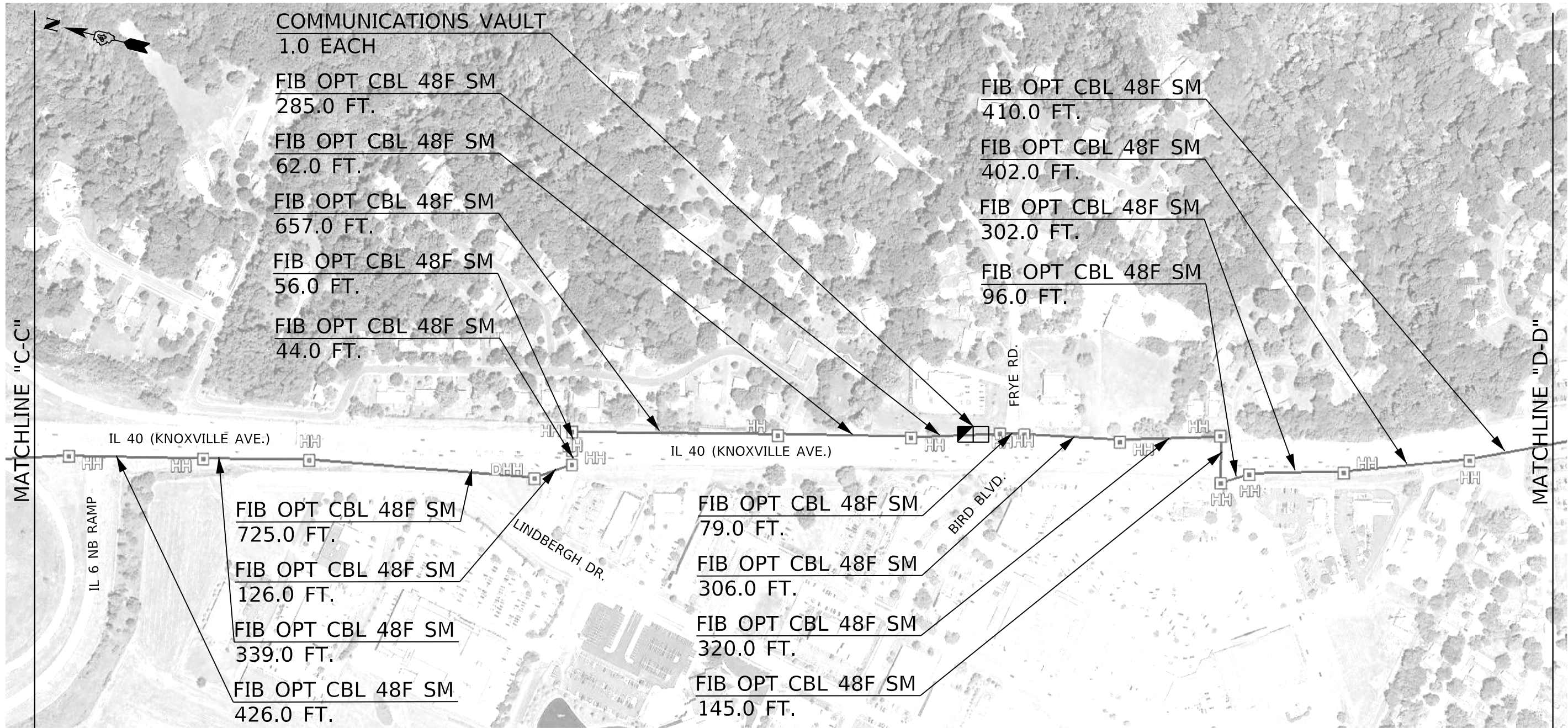
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) - ALTA RD. TO IL 6 SB RAMPS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	8
CONTRACT NO. 68E59			ILLINOIS FED. AID PROJECT	



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5070.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
	PROP. F.O. CABLE IN EX. CONDUIT
	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

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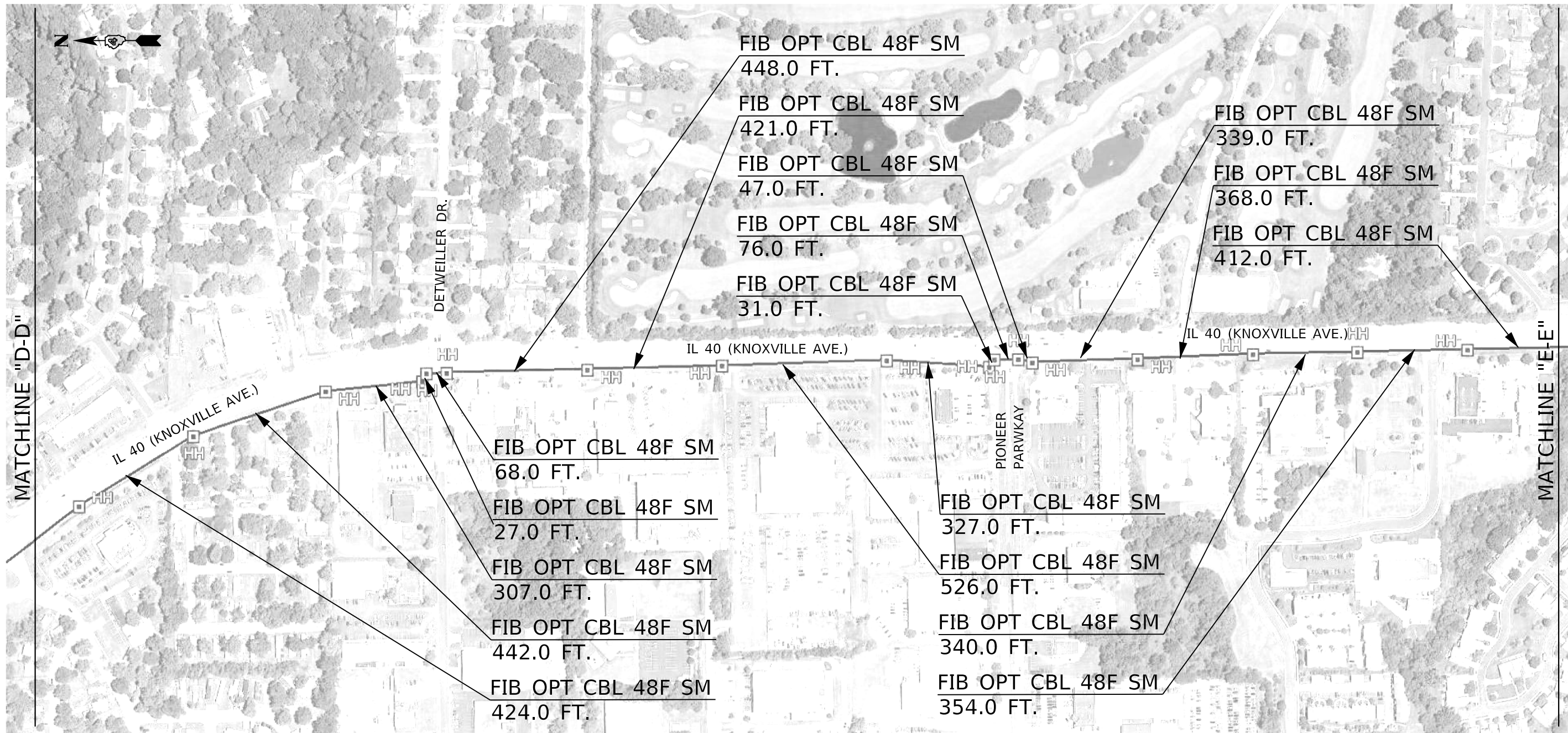
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) – IL 6 NB RAMPS TO NORTHPOINT ENTRANCE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	9
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5127.0

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

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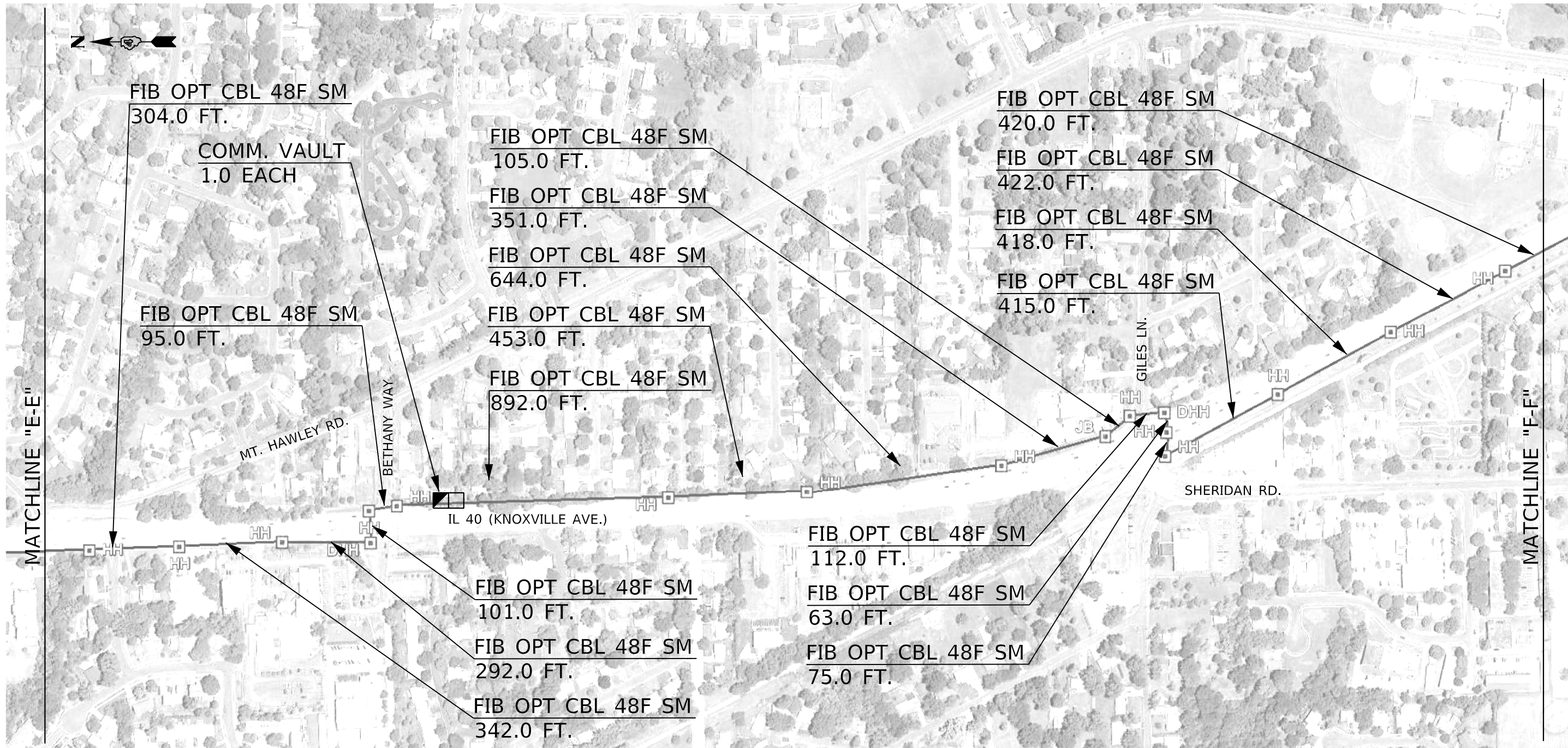
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PLOT DATE = 5/17/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) – DETWEILLER DR. TO PIONEER PARKWAY

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E59	



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5814.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
- -	PROP. CONDUIT 2" PVC

NOT TO SCALE

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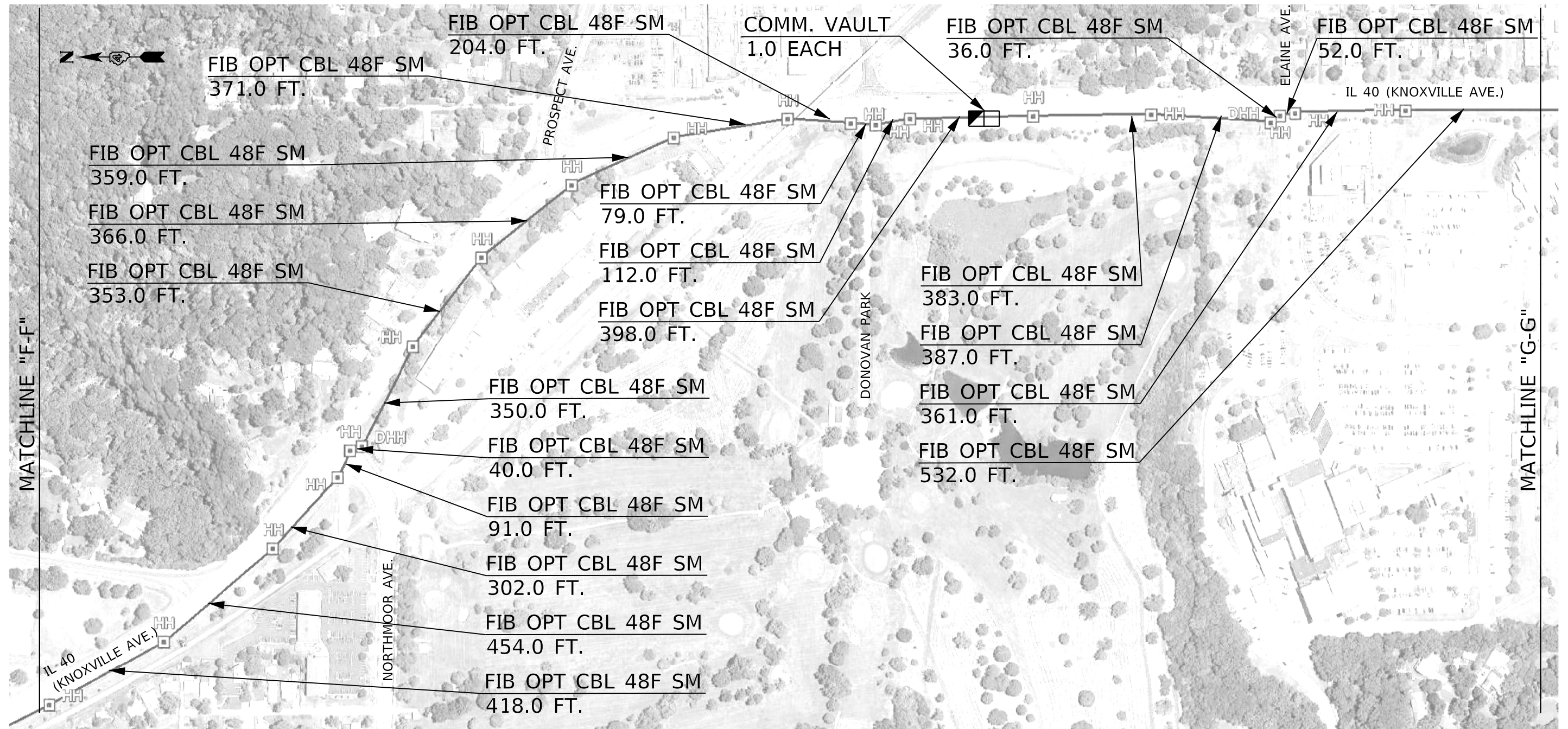
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PLOT DATE = 5/17/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) – BETHANY/MT. HAWLEY TO GILES/SHERIDAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	11
			CONTRACT NO. 68E59	
		ILLINOIS FED. AID PROJECT		



MATCHLINE "F-F"

MATCHLINE "G-G"

ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5988.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
	PROP. F.O. CABLE IN EX. CONDUIT
	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

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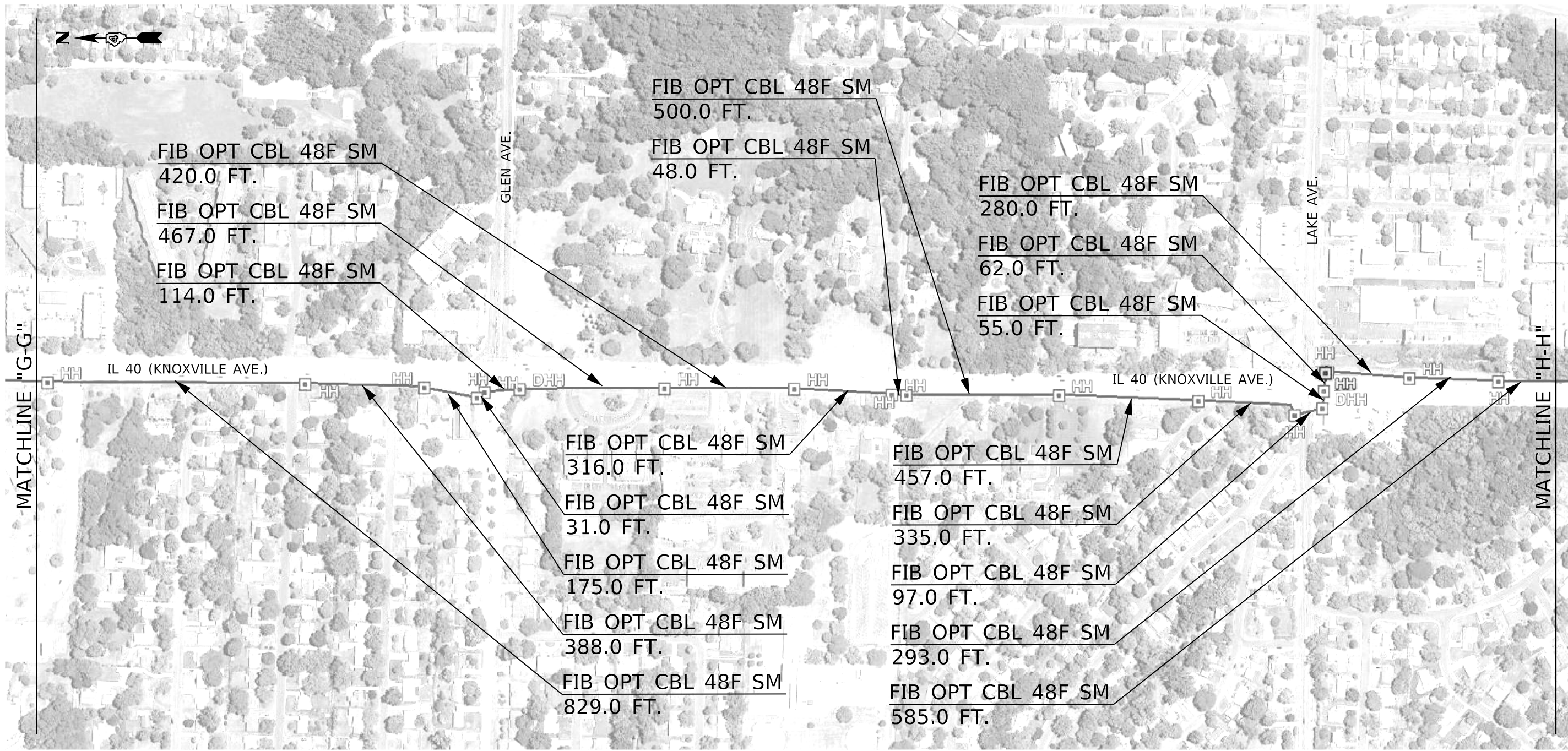
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) - NORTHMOOR AVE. TO ELAINE AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	12
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5672.0

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

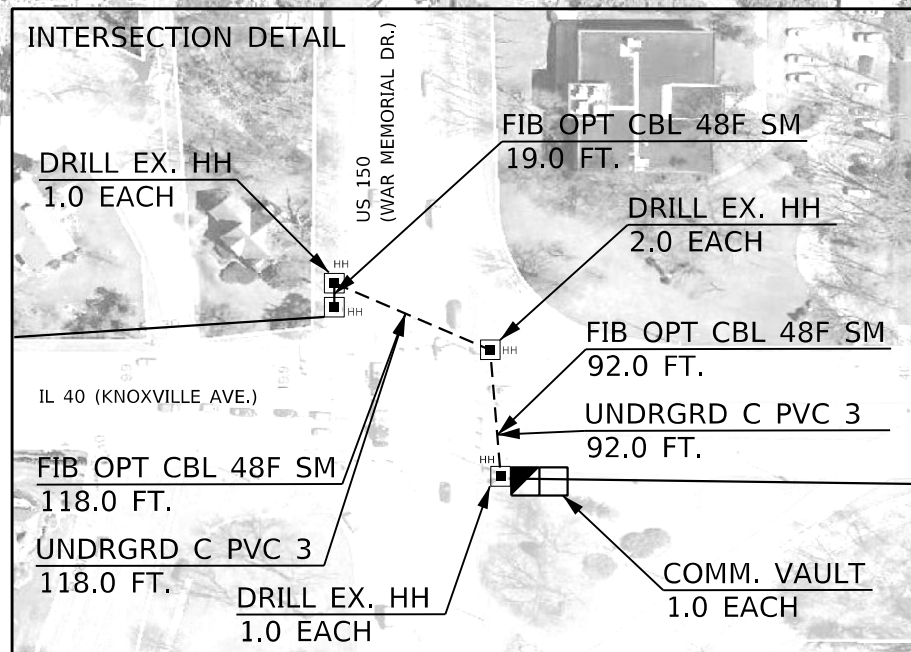
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PLOT DATE = 5/17/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC CABLE INSTALLATION			
IL 40 (KNOXVILLE AVE.) - GLEN AVE. TO LAKE AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	13
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3116.0
COMMUNICATIONS VAULT	EACH	1.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	210.0
DRILL EXISTING HANDHOLE	EACH	4.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
- -	PROP. CONDUIT 2" PVC

NOT TO SCALE

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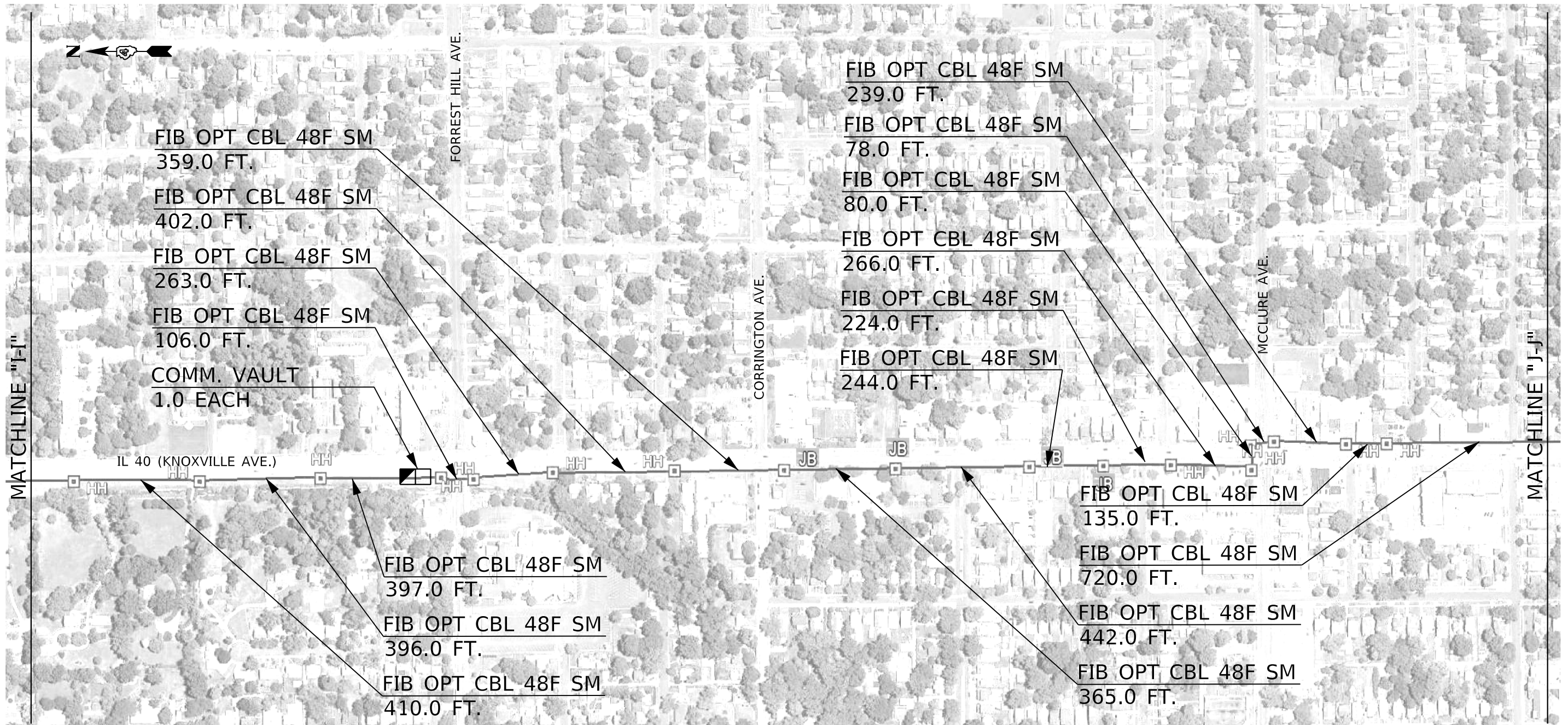
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PLOT DATE = 5/17/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE & CONDUIT INSTALLATION
IL 40 (KNOXVILLE AVE.) - US 150 (WAR MEMORIAL DR.)

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	14
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5396.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

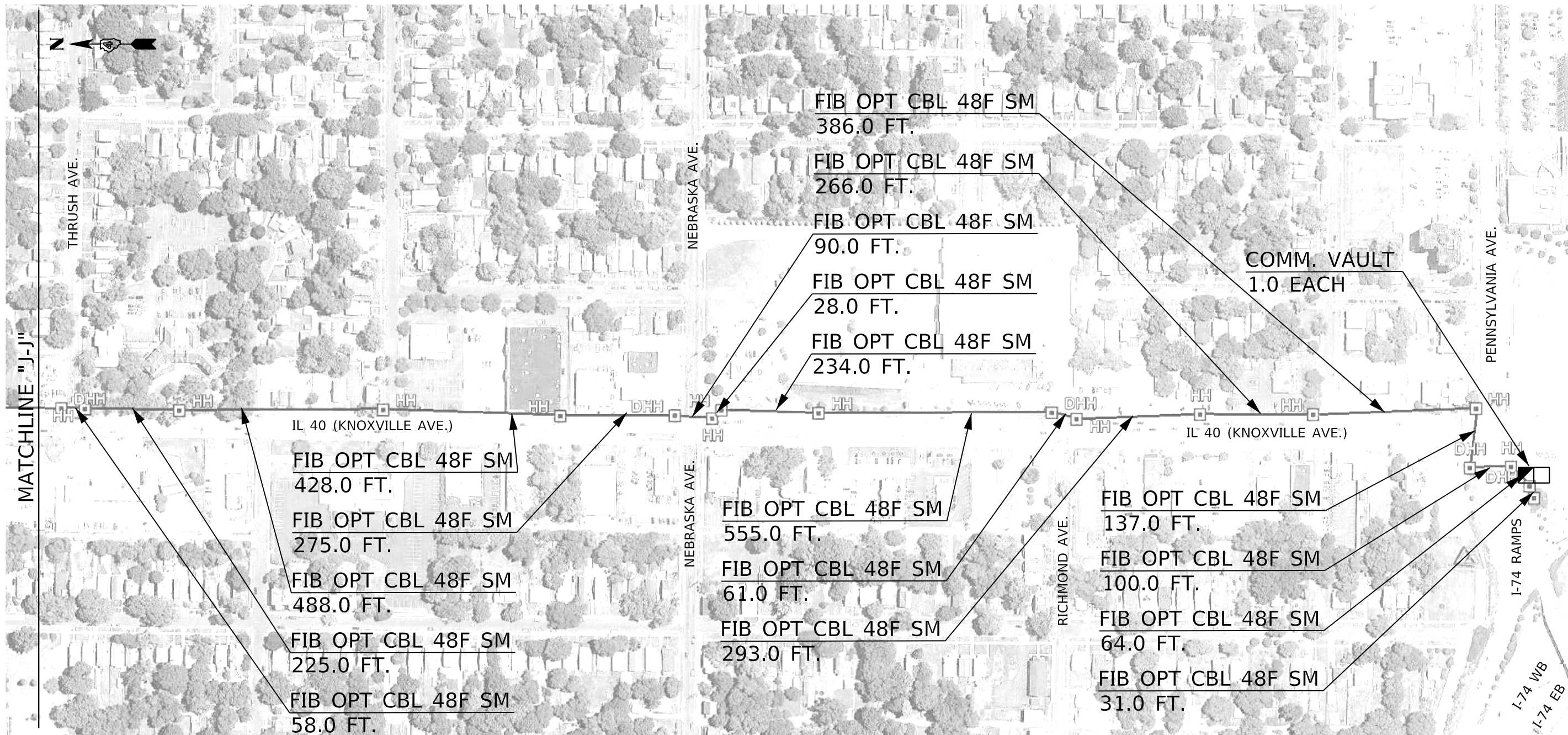
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PLOT DATE = 5/17/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION			
IL 40 (KNOXVILLE AVE.) - FORREST HILL AVE. TO MCCLURE AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	15
			CONTRACT NO. 68E59	
ILLINOIS FED. AID PROJECT				



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	4099.0
COMMUNICATIONS VAULT	EACH	1.0

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

LEGEND

HH	EX. HANDHOLE
DHH	EX. DOUBLE HANDHOLE
JB	EX. JUNCTION BOX
—	PROP. F.O. CABLE IN EX. CONDUIT
▣	PROP. COMMUNICATIONS VAULT
--	PROP. CONDUIT 2" PVC

NOT TO SCALE

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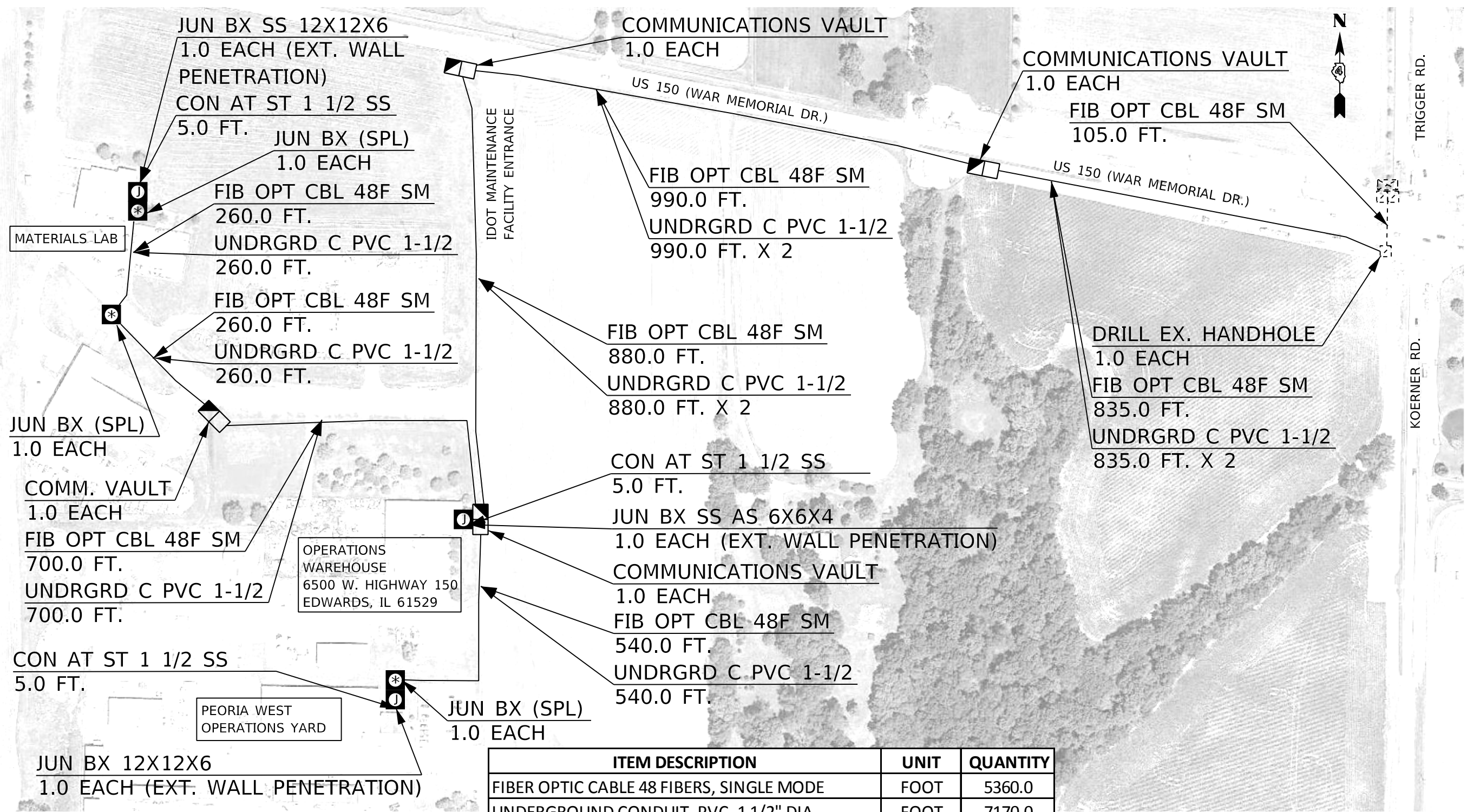
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PLOT DATE = 5/17/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION
IL 40 (KNOXVILLE AVE.) – THRUSH AVE. TO PENNSYLVANIA /I-74 RAMP

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	16
CONTRACT NO. 68E59			ILLINOIS FED. AID PROJECT	



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

ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	5360.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	7170.0
COMMUNICATIONS VAULT	EACH	4.0
DRILL EXISTING HANDHOLE	EACH	1.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	3.0
JUNCTION BOX (SPECIAL)	EACH	4.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	EACH	15.0

LEGEND

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

NOT TO SCALE

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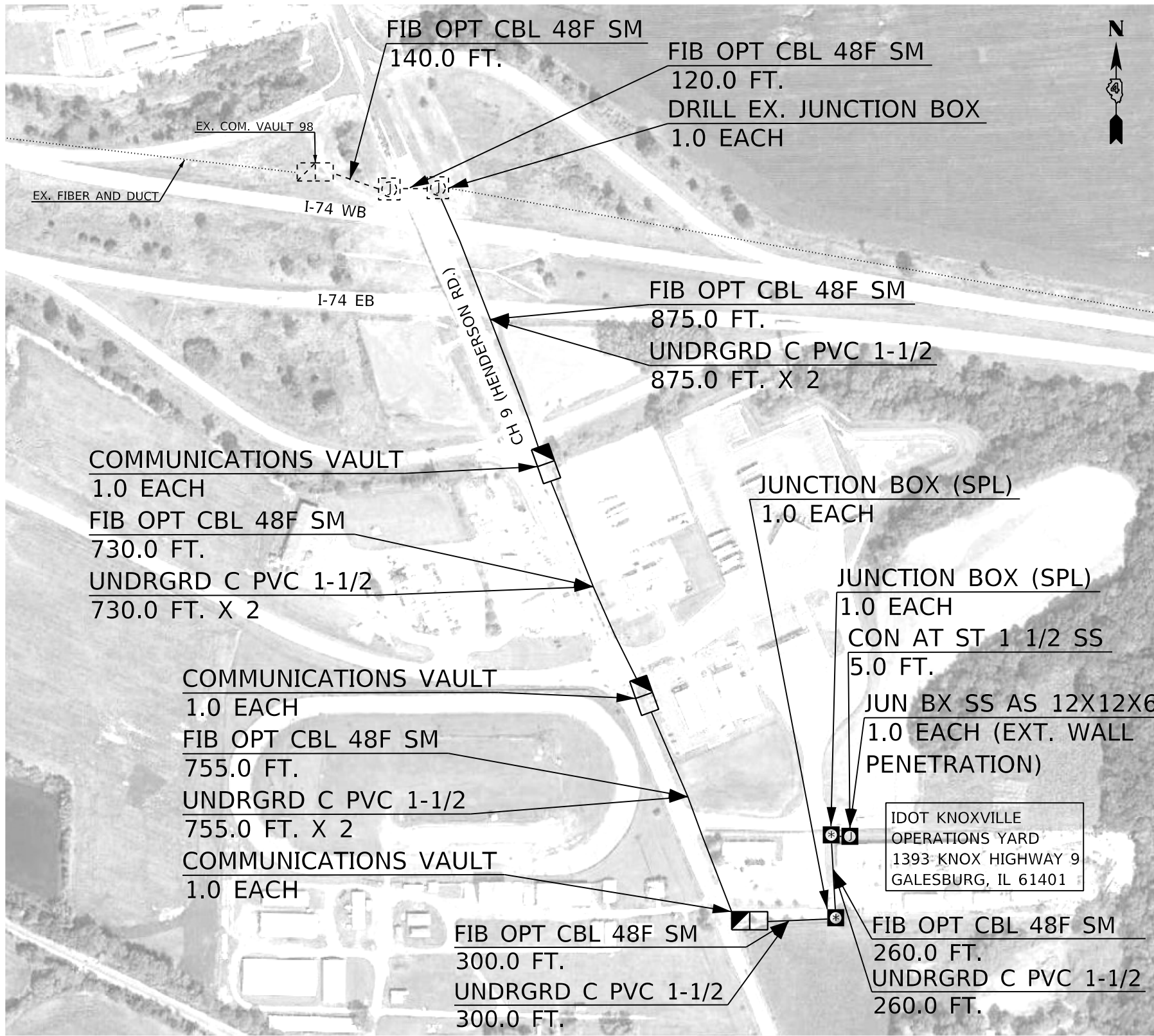
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE AND CONDUIT PLANS
IDOT D4 PEORIA WEST 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	17
			CONTRACT NO. 68E59	
		ILLINOIS FED. AID PROJECT		



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

ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3620.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	5280.0
COMMUNICATIONS VAULT	EACH	3.0
DRILL EXISTING JUNCTION BOX	EACH	1.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1.0
JUNCTION BOX (SPECIAL)	EACH	2.0
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	EACH	5.0

LEGEND

	EX. COMMUNICATIONS VAULT
	EX. JUNCTION BOX
	EX. FIBER AND DUCT
	PROP. JUNCTION BOX (SPECIAL)
	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

NOT TO SCALE

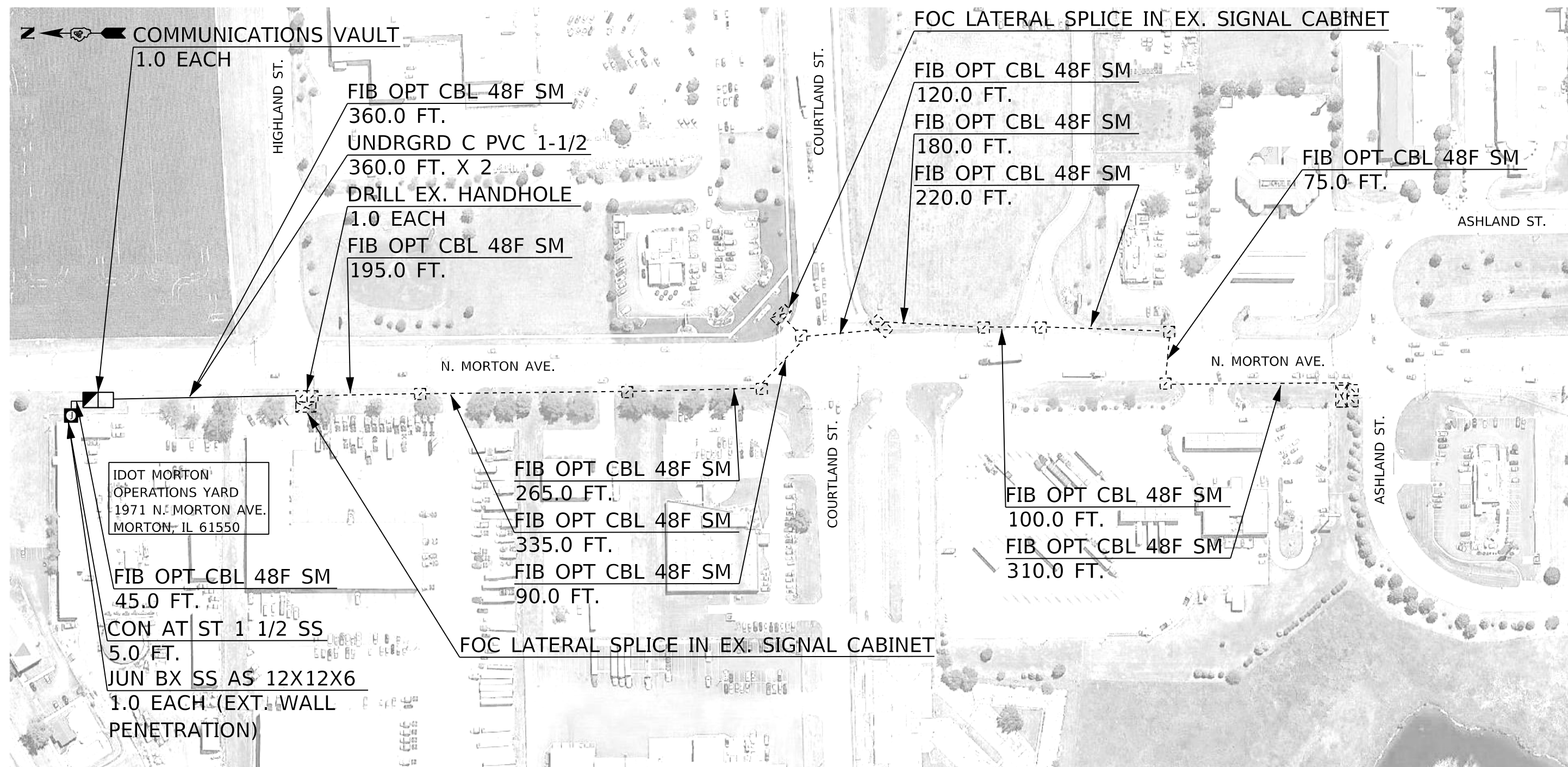
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PLOT DATE = 5/17/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC CABLE AND CONDUIT PLANS	
IDOT D4 KNOXVILLE 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	19
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				



IDOT MORTON
OPERATIONS YARD
1971 N. MORTON AVE.
MORTON, IL 61550

ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	2599.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	765.0
COMMUNICATIONS VAULT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
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
	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.

NOT TO SCALE

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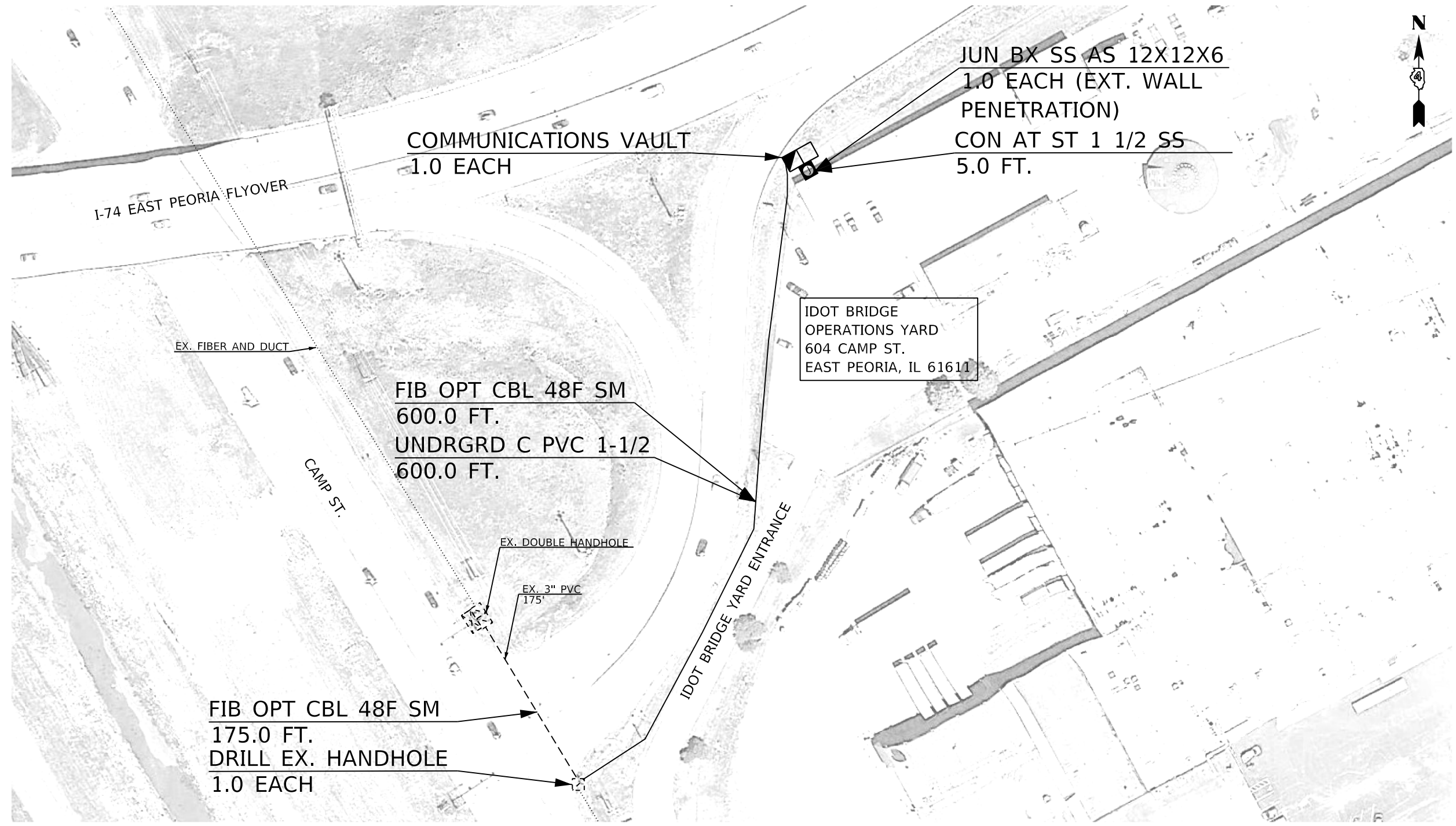
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE AND CONDUIT PLANS
IDOT D4 MORTON 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	20
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				



IDOT BRIDGE OPERATIONS YARD
604 CAMP ST.
EAST PEORIA, IL 61611

ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	937.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	160.0
COMMUNICATIONS VAULT	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
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.

NOT TO SCALE

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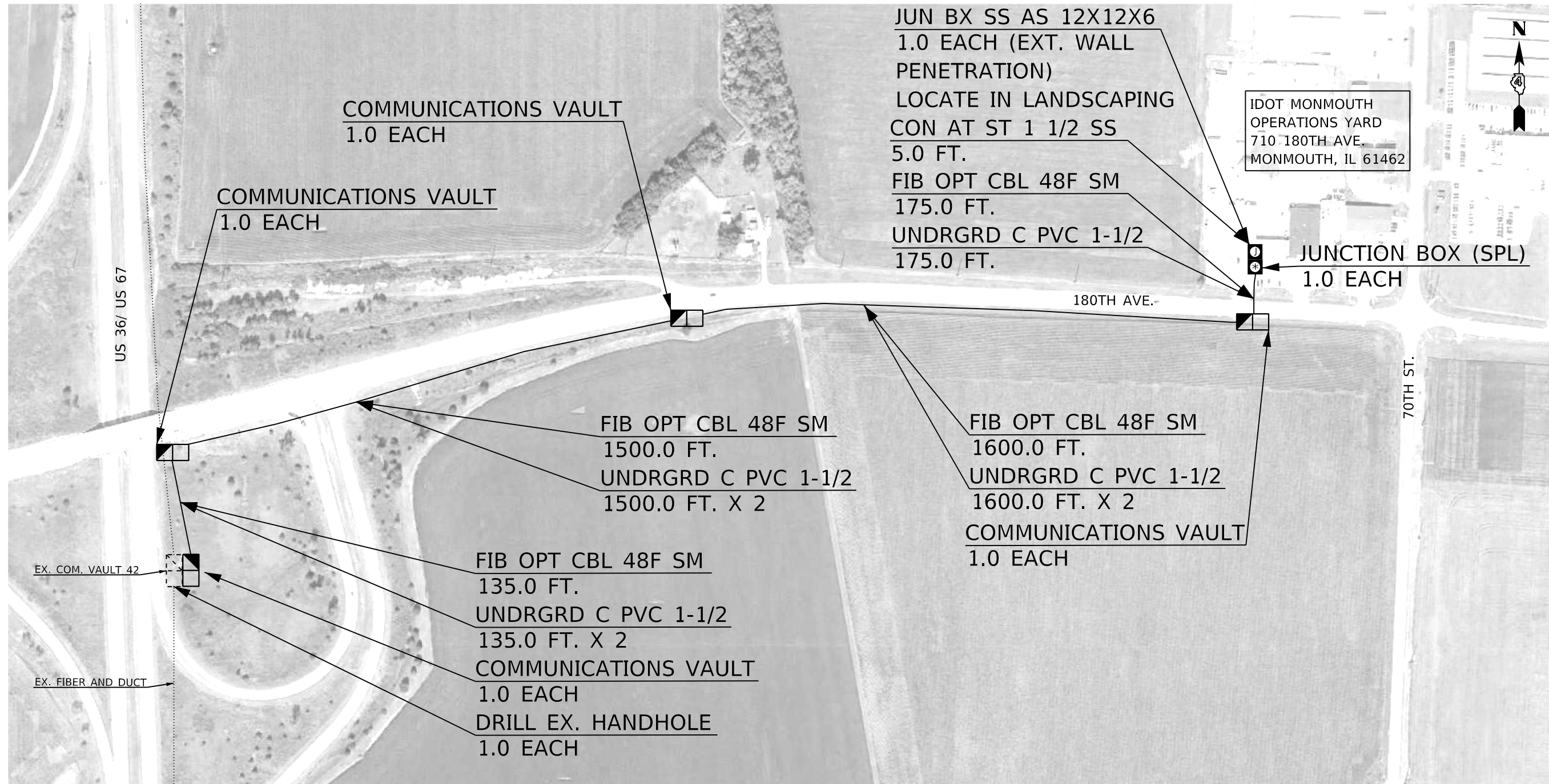
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	DATE -	REVISED -

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		



IDOT MONMOUTH
OPERATIONS YARD
710 180TH AVE.
MONMOUTH, IL 61462



ITEM DESCRIPTION	UNIT	QUANTITY
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	3790.0
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	7035.0
COMMUNICATIONS VAULT	EACH	4.0
DRILL EXISTING HANDHOLE	EACH	1.0
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
JUNCTION BOX (SPECIAL)	EACH	1.0

LEGEND

	EX. COMMUNICATIONS VAULT
	EX. FIBER AND DUCT
	PROP. JUNCTION BOX (SPECIAL)
	PROP. JUNCTION BOX (WALL-MOUNTED)
	PROP. COMMUNICATIONS VAULT
	PROP. FIBER OPTIC CABLE IN 1 1/2" PVC CONDUIT

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

NOT TO SCALE

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE AND CONDUIT PLANS
IDOT D4 MONMOUTH OPERATIONS YARD

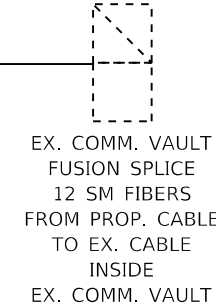
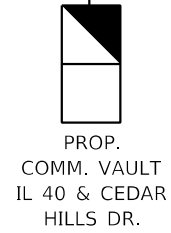
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VAR.	D4 FIBER OPTIC 2019	VAR	26	22
CONTRACT NO. 68E59				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

24 SINGLE MODE FIBERS (GREEN & BROWN BUFFER TUBES)
FROM PENNSYLVANIA AVE./I-74 RAMP TO CEDAR HILLS DR.

24 SINGLE MODE FIBERS (GREEN & BROWN BUFFER TUBES)

THERE WILL BE A MAXIMUM OF THREE MAINLINE SPLICES ALONG
IL 40 FROM PENNSYLVANIA AVE./I-74 RAMP TO CEDAR HILLS DR.



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

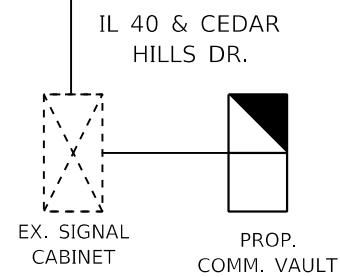
LEGEND

- EX. COMMUNICATIONS VAULT
- EX. TRAFFIC SIGNAL CABINET/ ITS CABINET
- EX. FIBER AND DUCT
- PROP. COMMUNICATIONS VAULT
- PROP. FIBER OPTIC CABLE

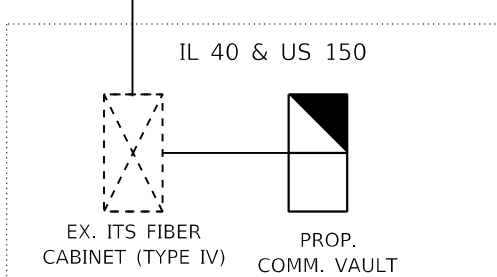
12 SINGLE MODE FIBERS (BLUE BUFFER TUBE)
FROM PENNSYLVANIA AVE./I-74 RAMP TO CEDAR HILLS DR.

2 SINGLE MODE FIBERS (RS & AQ) FROM BLUE BUFFER TUBE

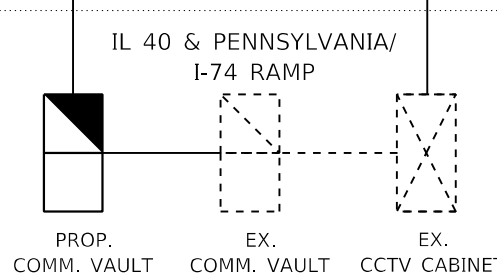
10 SINGLE MODE FIBERS (BL, OR, GR, BR, SL,
WH, RD, BK, YL, & VL) FROM BLUE BUFFER TUBE



TERMINATE 2 SM FIBERS INSIDE
EX. FIBER ENCLOSURE WITH ST
CONNECTORS



TERMINATE 10 SM FIBERS INSIDE NEW
24F FIBER INTERCONNECT CENTER INSIDE
EX. ITS FIBER CABINET WITH ST CONNECTORS



TERMINATE 12 SM FIBERS INSIDE NEW
24F FIBER INTERCONNECT CENTER INSIDE
EX. CCTV CABINET WITH ST CONNECTORS

NOT TO SCALE

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER OPTIC TERMINATION DIAGRAM
IL 40 (KNOXVILLE AVE.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	23
			CONTRACT NO. 68E59	
		ILLINOIS FED. AID PROJECT		

12 SINGLE MODE FIBERS (ORANGE BUFFER TUBE)
FROM PENNSYLVANIA AVE./I-74 RAMP TO ALTA RD.

2 SM FIBERS (RS & AQ) FROM ORANGE BUFFER TUBE

2 SM FIBERS (YW & VL) FROM ORANGE BUFFER TUBE

2 SM FIBERS (RD & BK) FROM ORANGE BUFFER TUBE

2 SM FIBERS (SL & WH) FROM ORANGE BUFFER TUBE






2 SM FIBERS (GR & BR) FROM ORANGE BUFFER TUBE

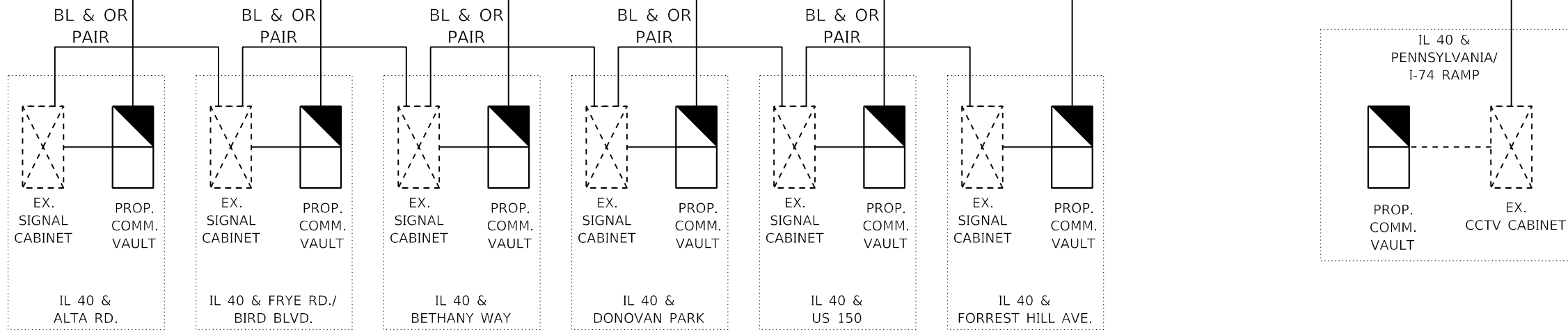
2 SM FIBERS (BL & OR) FROM
ORANGE BUFFER TUBE

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

LEGEND

-  EX. COMMUNICATIONS VAULT
-  EX. TRAFFIC SIGNAL CABINET/ ITS CABINET
-  EX. FIBER AND DUCT
-  PROP. COMMUNICATIONS VAULT
-  PROP. FIBER OPTIC CABLE



THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE FROM THE COMMUNICATION VAULTS INTO EACH TRAFFIC SIGNAL CABINET.
THE CONTRACTOR SHALL LATERALLY SPLICE FIBERS FROM THE MAINLINE FIBER INSIDE THE COMMUNICATION VAULT AND
TERMINATE THE FIBERS INSIDE EACH TRAFFIC SIGNAL CABINET AS SHOWN IN THE DIAGRAM.

NOT TO SCALE

MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 5/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

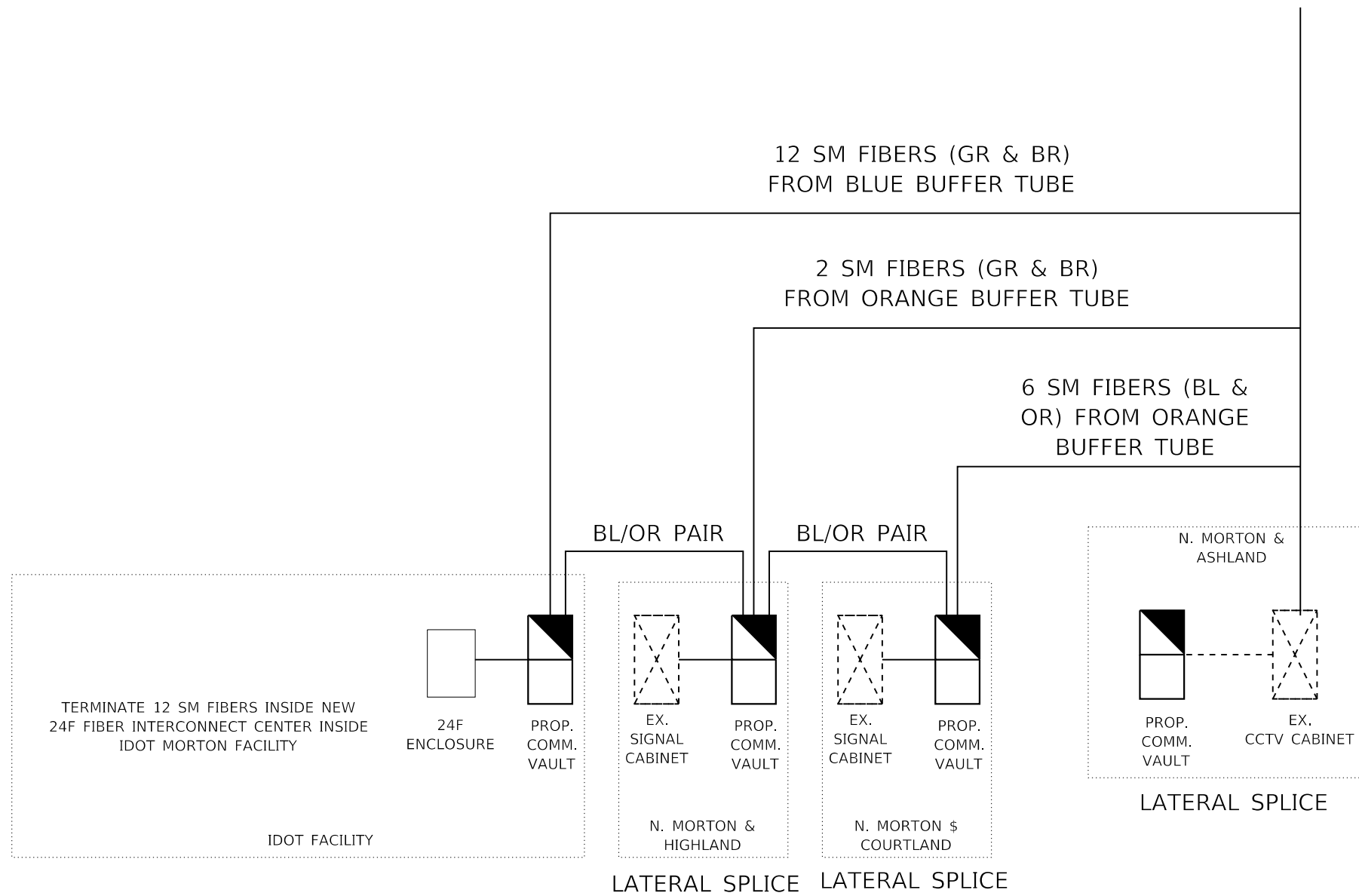
**FIBER OPTIC TERMINATION DIAGRAM
IL 40 (KNOXVILLE AVE.) (CONTINUED)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 FIBER OPTIC 2019	VAR	26	24
			CONTRACT NO. 68E59	
		ILLINOIS	FED. AID PROJECT	

12 SINGLE MODE FIBERS (BROWN BUFFER TUBE)
FROM N. MORTON & ASHLAND TO IDOT 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
N. MORTON AVE.

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				

FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN ON THE FIBER OPTIC LINE/TERMINATION DIAGRAM WITH ST CONNECTORS.
2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, INTERCONNECT CENTERS, ETC.
4. ALL ST CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS THAT ARE FUSION SPLICED TO THE PROPOSED FIBER.
5. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

NOT TO SCALE

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USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER OPTIC TERMINATION NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE -	REVISED -					ILLINOIS	FED. AID PROJECT			