

096

01-18-2019 LETTING ITEM 096

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
FAI 55 FAI 80 FAI 290	2018-024-I	ILLINOIS	*177 1
			CONTRACT NO. 62G66
			* DUPAGE & WILL COUNTIES
			*177 + 2 = 179 TOTAL PAGES
			D-91-327-18

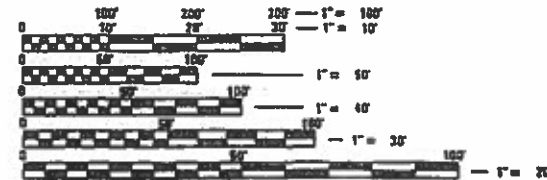
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN
THE CITY OF JOLIET AND
VILLAGES OF CHANNAHON, SHOREWOOD,
MINOOKA, & ADDISON

DESIGN DESIGNATION: INTERSTATE
(I-80)
2017 ADT=60,100-69,500
DESIGN SPEED=55-65 MPH
POSTED SPEED=55-65 MPH

DESIGN DESIGNATION: INTERSTATE
(I-55)
2017 ADT=63,900-86,600
DESIGN SPEED=65 MPH
POSTED SPEED=65 MPH

DESIGN DESIGNATION: INTERSTATE
(I-290)
2017 ADT=151,500
DESIGN SPEED=55 MPH
POSTED SPEED=55 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DAN WILGREEN, PE, (847)705-4240
PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE, (847)705-4247

CONTRACT NO. 62G66

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
(FAI 55 (I-55), FAI 80 (I-80) & FAI 290 (I-290))
SECTION: 2018-024-I
AT VARIOUS LOCATIONS
PROJECT: NHPP-PHWE(465)
DYNAMIC MESSAGE SIGN (DMS)
INSTALLATION & SURVEILLANCE DUPAGE
& WILL COUNTIES
C-91-250-18

FOR LOCATION MAP SEE SHEET NO. 3

Accurate
GROUP, INC.

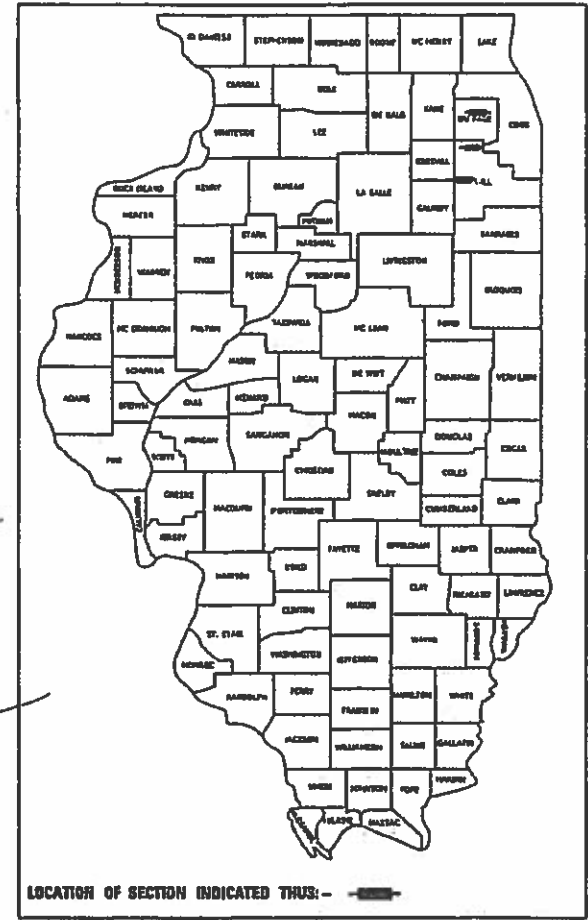
WWW.ACCGI.COM
101 SHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 913-1100 F (847) 913-1110
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.0010 3

DATE SIGNED: 10-11-2018
EXP. DATE: 11-30-2019
SHEET NUMBERS: 44-138

DATE SIGNED: 10-11-2018
EXP. DATE: 11-30-2019
SHEET NUMBERS: 1-43 & 168-177

DATE SIGNED: 10/12/2018
EXP. DATE: 11/30/2019
SHEET NUMBERS: 154-167

Signed: Mousa A. Issa
Dr. Mousa A. Issa, S.E. Ill. Lic. No. 081-005738
Expires 11-30-2020
Date: 10/11/2018
SHEET NUMBERS: 139-153



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 2018
Submitted by: [Signature]
Regional Engineer
[Signature]
Engineer of Design and Environment
[Signature]
Director of Highways Project Implementation

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
3	DMS LOCATION MAP
4-11	SUMMARY OF QUANTITIES
12-18	PROPOSED ROADSIDE RESTORATION
19	MAINTENANCE OF TRAFFIC GENERAL NOTES
20-22	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
23-31	MAINTENANCE OF TRAFFIC
32	EROSION AND SEDIMENT CONTROL NOTES
33-49	EROSION AND SEDIMENT CONTROL PLAN
40-41	EROSION AND SEDIMENT CONTROL DETAILS
42-43	PAVEMENT MARKINGS
44	ITS GENERAL NOTES, LEGENDS AND ABBREVIATIONS
45	SUMMARY OF ITS QUANTITIES
46	DYNAMIC MESSAGE SITE PLAN, I-80 EB, MP 123.5 WEST OF SHEPLEY ROAD
47	DYNAMIC MESSAGE SITE PLAN, I-80 EB, MP 129, WEST OF LARKIN AVE
48	DYNAMIC MESSAGE SITE PLAN, I-80 WB, MP 131.2, EAST OF LARKIN AVE
49	DYNAMIC MESSAGE SITE PLAN, I-55 SB, MP 247.5 AT WEST SUMMIT ROAD
50	DYNAMIC MESSAGE SITE PLAN, I-55 SB, MP 255.2 AT HARRIS DRIVE
51	DYNAMIC MESSAGE SITE PLAN, I-290 EB, MP 8.0 AT MILL ROAD (1 OF 2)
52	DYNAMIC MESSAGE SITE PLAN, I-290 EB, MP 8.0 AT MILL ROAD (2 OF 2)
53	DYNAMIC MESSAGE SITE PLAN, I-80 WB, MP 136 AT CHERRY HILL ROAD
54	CAMERA SITE PLAN, I-80 EB, AT CHERRY HILL ROAD
55-75	PROPOSED ITS PLAN-FIBER OPTIC BACKBONE
76-77	PROPOSED ITS PLAN FIBER OPTIC BACKBONE FOR CHERRY HILL DMS
78	DYNAMIC MESSAGE SIGN SINGLE LINE DIAGRAM
79-81	I-80 (FROM SHEPLEY RD TO MIDLAND AVE) FIBER OPTIC SINGLE LINE DIAGRAM
82	I-80 (FROM CHERRY HILL RD TO US 30) FIBER OPTIC SINGLE LINE DIAGRAM
83	DMS COMMUNICATION CABINET DETAILS
84	DYNAMIC MESSAGE SIGN GROUNDING DETAILS
85	DMS SIGN POWER CABINET DETAILS
86	ELECTRIC SERVICE INSTALLATION, AERIAL, REMOTE DISCONNECT
87	ELECTRICAL SERVICE PEDESTAL MOUNT DETAILS
88	CCTV CAMERA STRUCTURE, 50' MOUNTING HEIGHT (BE-1000)
89	CCTV CAMERA STRUCTURE FOUNDATION 50' MOUNTING HEIGHT (BE-1001)
90	COMMUNICATIONS VAULT, COMPOSITE CONCRETE
91	CONDUIT TRANSITION DETAIL
92	CABINET, MODEL 334 AND FOUNDATION DETAIL
93	PCC-HEAVY DUTY HANDHOLE
94-121	PROPOSED BLUETOOTH DETECTOR PLAN
122-126	BLUETOOTH DETECTOR REMOVAL PLAN
127	PROPOSED ITS PLAN FIBER OPTIC BACKBONE
128-134	BLUETOOTH DETECTOR REMOVAL PLAN
135	DISTRICT 1 DMS & BLUE TOOTH DETECTORS BLOCK DIAGRAM
136	BLUETOOTH DETECTOR LOCATION DETAIL AND SCHEDULES
137	LIGHT POLE FOUNDATION METAL (BE-305)
138	SOLAR POWERED BLUE TOOTH POLE DETAIL
139-167	DMS STRUCTURAL PLANS
168-171	BM-21 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL
171A	TC-08 ENTRANCE AND EXIT RAMP CLOSURE DETAILS
172	TC-09 TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
173	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
174-175	TC-12 MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
176	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
176A	TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
177	TC-22 ARTERIAL ROAD INFORMATION SIGN

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542601-03	REINFORCED CONCRETE PIPE ELBOW 24", 30" OR 36"
601001-05	PIPE UNDERDRAINS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL MOUNTING DETAILS
862001-01	UNINTERRUPTABLE POWER SUPPLY
878001-10	CONCRETE FOUNDATION DETAILS

GENERAL NOTES

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. (JOINT UTILITY LOCATION INFO FOR EXCAVATION) AT (800) 892-0123 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.
- UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE SHOWN IN THE PLANS.
- EXISTING UNDERGROUND AND ABOVE-GROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST OR THE EXISTENCE OF WHICH WAS NOT KNOWN AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES DURING CONSTRUCTION.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR GRADING AND SHAPING FORESLOPES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED CONSTRUCTION LIMITS, RIGHT-OF-WAY, OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING FIELD DIMENSIONS AND CONDITIONS PRIOR TO ORDERING MATERIALS AND THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR WILL CONTACT DISTRICTS 1 AND 3 FOR LOCATING UTILITIES ADJACENT TO DISTRICT 3 IN DUPAGE AND WILL COUNTIES TO ENSURE SYSTEM CONTINUITY BETWEEN BOTH DISTRICTS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT 1 TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S DISTRICT ONE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTILCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANES, RAMPS, AND SHOULDER CLOSURES. PLEASE REGISTER AN ACCOUNT AT WWW.IDOTILCS.COM TO ENTER LANE CLOSURE REQUESTS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- MEADE ELECTRIC COMPANY, THE IDOT DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR, LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL 773-287-7672.
- THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND/OR CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER. ALL NECESSARY ADDITIONAL PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE STORM SEWER OF THE SIZE REQUIRED.
- ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF THE PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN ITEM.
- TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MATTHEW DAEDA, EXPRESSWAYS AREA TRAFFIC FIELD ENGINEER, AT MATTHEW.DAEDA@ILLINOIS.GOV

COMMITMENTS

NONE.

• I-55, I-80 & I-290

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS,
GENERAL NOTES AND COMMITMENTS
I-55, I-80 AND I-290 DMS INSTALLATION

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	2
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

USER NAME = lchrzasc	DESIGNED - JMT	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/18/2018	DATE - 10/17/2018	REVISED -

ADDISON TOWNSHIP

3rd PM



EASTBOUND I-290 AT MILL RD
STA. 25+00, MM 8.0
STR. NO. 150221290R131.2

40N

11E

JOLIET, CHANNAHON, & JACKSON TOWNSHIPS

3rd PM



SOUTHBOUND I-55 AT W SUMMIT RD
STA. NO. 40+50, MM 247.5
STR. NO. 150991055L247.5

EASTBOUND I-80 AT SHEPLEY RD
STA. 139+40, MM 123.5
STR. NO. 150991080R123.5

SOUTHBOUND I-55 AT HARRIS DR
STA. 38+00, MM 255.2
STR. NO. 150991055L255.2

EASTBOUND I-80 WEST OF LARKIN AVE
STA. 430+54, MM 129
STR. NO. 150991080R129.0

WESTBOUND I-80 EAST OF LARKIN AVE
STA. 548+20, MM 131.2
STR. NO. 150991080L131.2

WESTBOUND I-80 AT CHERRY HILL RD
STA. 799+25, MM 136.0
STR. NO. 150991080L136.0

34N & 35N

9E & 10E

GROSS LENGTH = 106,100 FT. = 20.1 MILE
NET LENGTH = 106,100 FT. = 20.1 MILE

NOTE
LOCATION MAPS NOT TO SCALE

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\130238 IDOT DUR\Work Order\16-62666\CADD\CADD Sheets\Civil\162666-akt-DMS Location Map.dgn



USER NAME = lchrzesc	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 2.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 10/18/2018	DATE - 10/17/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DMS LOCATION MAP
I-55, I-80 AND I-290 DMS INSTALLATION

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	3
CONTRACT NO. 62666			ILLINOIS FED. AID PROJECT	

FILE NAME = G:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sh-500.dgn

URBAN				CONSTRUCTION CODE									90% FED 10% STATE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE		
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES		
20200100	EARTH EXCAVATION	CU YD	603	41	159.9	30.4	32.4	32.4	32.4	39.5	235				
20800150	TRENCH BACKFILL	CU YD	122		122										
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	27768	4678	1927	3836	2786	2923	3742	7876					
21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	27768	4678	1927	3836	2786	2923	3742	7876					
25000210	SEEDING, CLASS 2A	ACRE	5.75	0.85	0.5	0.8	0.6	0.6	0.8	1.6					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	517	78	63	73	53	55	70	125					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	517	78	63	73	53	55	70	125					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	517	78	63	73	53	55	70	125					
25100630	EROSION CONTROL BLANKET	SQ YD	27768	4678	1927	3836	2786	2923	3742	7876					
28000305	TEMPORARY DITCH CHECKS	FOOT	688	120	116	138	20	110	64	120					
28000400	PERIMETER EROSION BARRIER	FOOT	1151		534		617								
28000500	INLET AND PIPE PROTECTION	EACH	34	3	5	3	6	9	3	5					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	29		29										
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1331		1331										

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY WITH THE EXCEPTION OF EB I-290 AT MILL ROAD WHICH IS LOCATED IN DUPAGE COUNTY.



USER NAME = johnn	DESIGNED - LC	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - JMT	REVISIONS -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	4
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order *16-62066\CADD\CADD Sheets\Civil\162066-ant-SDD.dgn

URBAN

CONSTRUCTION CODE

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES
44001980	CONCRETE BARRIER REMOVAL	FOOT	160		100					60			
54215979	REINFORCED CONCRETE PIPE ELBOW 24"	EACH	4		4								
54248510	CONCRETE COLLAR	CU YD	4		4								
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	56		56								
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	56		56								
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	562.5	100	100	225			137.5				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	1	1	1							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	1	1	3			1				
63200310	GUARDRAIL REMOVAL	FOOT	38			25.5			12.5				
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	150	100						50			
63700180	CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT	FOOT	60							60			
63700280	CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT	FOOT	100		100								
63700900	CONCRETE BARRIER BASE	FOOT	160		100					60			
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	3314		3314								

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY
WITH THE EXCEPTION OF EB I-290 AT MILL ROAD
WHICH IS LOCATED IN DUPAGE COUNTY.

• I-55, I-80 & I-290



USER NAME = johnn	DESIGNED - LC	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 2.0000' / 1in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	5
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\LiveProjects\13038 IDOT DMR\Work Order #16-62666\CAADD\CAADD Sheets\Civil\162666-ht-500.dgn

URBAN				CONSTRUCTION CODE									
				90% FED 10% STATE									
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	602	75	75	75	75	75	75	75	77		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
* 66901002	ON-SITEMONITORING OF REGULATED SUBSTANCES	CAL DA	30	4	5	4	4	4	4	4	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	1	1	1	1	1	1	1	1	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	1.8	1.7	1.7	1.7	1.7	1.7	1.7			
67100100	MOBILIZATION	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14			
* 70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	80	10	20	10	10	10	10	10			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	840	112	168	112	112	112	112	112			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4371	659	1237	500	524	346	530	575			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	13264	550	10415	550	400	439	310	600			
70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	12992		12992								
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2043	275	424	275	200	214	355	300			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1825	275	275	275	200	225	275	300			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	23	3	5	3	3	3	3	3			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	1	1	3			1				
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	7	1	1	1	1	1	1	1			

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY
WITH THE EXCEPTION OF EB I-290 AT MILL ROAD
WHICH IS IN DUPAGE COUNTY

• I-55, I-80 & I-290



USER NAME = johnn	DESIGNED - LC	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / 1in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	6
			CONTRACT NO.	62666
ILLINOIS/FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order *16-62066\CADD\CADD Sheets\Civil\162066-ah-t-S00.dgn

URBAN

CONSTRUCTION CODE

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE	
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES	
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")	FOOT	516	55	70	60	73	89	73	96				
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	143	23	38	28	12	12	12	18				
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	174.4	27.6	32.4	22	21	21	29.4	21				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9726		9726									
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	202		202									
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	1680		1680									
* 78100300	REPLACEMENT REFLECTOR	EACH	176		176									
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	7	1	1	3			2					
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	470	60	112	66	48	44	70	70				
80400100	ELECTRIC SERVICE INSTALLATION	EACH	6	1	1	1	1	1	1					
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0.17	0.17	0.17	0.17	0.16	0.16					
81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	8521	300	279	280	285	215	277	310		6575		
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	6635	172	216	265	118	4531	170	1163				

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY WITH THE EXCEPTION OF EB I-290 AT MILL ROAD WHICH IS IN DUPAGE COUNTY.

• I-55, I-80 & I-290



USER NAME = johnn	DESIGNED - LC	REVISED -
DRAWN - JN	REVISOR -	
PLOT SCALE = 2,0000' / 1" =	CHECKED - JMT	REVISOR -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-55, I-80 AND I-290 DMS INSTALLATION

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	7
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DUR Work Order 16-62066\CADD\CADD Sheets\Civil\162066-ant-500.dgn

URBAN

CONSTRUCTION CODE

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	4380	485	355	355	348	280	344	1431		782	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1583	29	29					230	903	392	
81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	1090								1090		
81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	15	2	2	2	2	2	2	2		1	
81300960	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 42" X 36" X 12"	EACH	14								14		
81400200	HEAVY-DUTY HANDHOLE	EACH	29	1	1	1	1	8	1	2		14	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	26344	936	861	860	870	660	845	957		20355	
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	358	46	58	64	36	71	51	32			
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3283	310	434	433	216	243	301	1346			
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	9834	513	597	725	372	4706	447	2474			
81702190	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	9328					9328					
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	28										28
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	28										28
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	9										9

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY
WITH THE EXCEPTION OF EB I-290 AT MILL ROAD
WHICH IS LOCATED IN DUPAGE COUNTY.

• I-55, I-80 & I-290



USER NAME = johnn	DESIGNED - LC	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
I-55, I-80 AND I-290 DMS INSTALLATION

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	8
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\13028 IDOT DUR\Work 0-der 16-62666\CADD\CADD Sheets\Civil\162666-ht-500.dgn

URBAN

CONSTRUCTION CODE

90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	MINOR STRUCTURES	NONE	NONE	NONE
				0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES
84200804	REMOVAL OF POLE FOUNDATION	EACH	9										9
89500510	CABINET HOUSING EQUIPMENT REMOVAL	EACH	4										4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4										4
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	11	1	1	1	1	1	1	1		4	
X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	7	1	1	1	1	1	1	1			
X0323917	CABINET, MODEL 334	EACH	7	1	1	1	1	1	1	1			
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	11	1	1	1	1	1	1	1		4	
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	4433	485	355	358	398	280	344	1431		782	
X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	1444		1444								
X0326465	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM	L SUM	1									0.5	0.5
X0326806	WASHOUT BASIN	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14			
X0326944	ATMS INTEGRATION	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14			
X0326945	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	11	1	1	1	1	1	1	1		4	
X0326949	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE FOUNDATION, 30" DIAMETER	FOOT	99	9	9	9	9	9	9	9		36	

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY WITH THE EXCEPTION OF EB I-290 AT MILL ROAD WHICH IS LOCATED IN DUPAGE COUNTY.

• I-55, I-80 & I-290



USER NAME = lchrzasc	DESIGNED - LC	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/18/2018	DATE - 10/17/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	9
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DUR\Work Order\16-62066\CADD\CADD Sheets\Civil\162066-ah-t-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									NONE 0044	NONE 0044	NONE 0044
				90% FED 10% STATE											
				MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044			
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS	BLUETOOTH DEVICES		
X0326952	STEP-DOWN TRANSFORMER	EACH	1				1								
X0327604	CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	EACH	11	1	1	1	1	1	1	1			4		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5945		5945										
X0328502	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 50 FT. MOUNTING HEIGHT	EACH	11	1	1	1	1	1	1	1			4		
X1400217	TERMINATE FIBER IN CABINET	EACH	14	2	2	2	2	2	2	2					
X1400219	SPLICE FIBER IN CABINET	EACH	14	2	2	2	2	2	2	2					
X1400301	FIBER OPTIC CABLE, MICRO, 96 FIBERS, SINGLE MODE	FOOT	9818								9818				
X1400302	FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	95634								95306		328		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14					
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	4420	183	3472	183	133	146	103	200					
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1110	144	267	156	108	93	168	174					
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	176		176										
*X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	1680		1680										
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	49989								49825	164			

* SPECIALTY ITEM

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY WITH THE EXCEPTION OF EB I-290 AT MILL ROAD WHICH IS LOCATED IN DUPAGE COUNTY.



USER NAME = johnn	DESIGNED - LC	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 2.0000' / 1in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-1	WILL/DUPAGE	177	10
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

* I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURS\Work Order\16-62066\CADD\CADD Sheets\Civil\162066-ah-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									NONE 0044	NONE 0044	NONE 0044
				MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044	MINOR STRUCTURES 0044			
				SB: I-55 AT W. SUMMIT RD.	SB: I-55 AT HARRIS DR.	EB: I-80 AT W. SHEPLEY	WB: I-80 AT CHERRY HILL	EB: I-80 W. OF LARKIN	EB: I-80 E. OF LARKIN	EB: I-290 AT MILL ROAD	FIBER BACKBONE	ADDITIONAL CAMERAS			
X8300001	LIGHT POLE, SPECIAL	EACH	28												28
X8570100	DISCONNECT SWITCH	EACH	2						1			1			
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	5120	585	455	454	439	380	394		1631		782		
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	2				1							1	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	490	70	70	70	70	70	70	70	70				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.14	0.16	0.14	0.14	0.14	0.14	0.14	0.14				
Z0033052	COMMUNICATIONS VAULT	EACH	69	1	1	1	1	1	1	1	1	60	2		
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	50		50										
** Z0076600	TRAINEES	HOUR	500	500											
X1700085	CLASS D PATCHES, TYPE IV, 14 INCH (SPECIAL)	SQ YD	29		29										
X2600028	DMS WI NTCIP 1203	EACH	7	1	1	1	1	1	1	1	1				
** Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500											
X0327206	DATA SERVER	L SUM	1									1			
X0327566	ROADSIDE DETECTOR	EACH	28												28

* SPECIALTY ITEM
** =0042

NOTE:
ALL MINOR STRUCTURES ARE LOCATED IN WILL COUNTY
WITH THE EXCEPTION OF EB I-290 AT MILL ROAD
WHICH IS LOCATED IN DUPAGE COUNTY.



USER NAME = john	DESIGNED - LC	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 2.0000' / 1" =	CHECKED - JMT	REVISIONS -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISIONS -

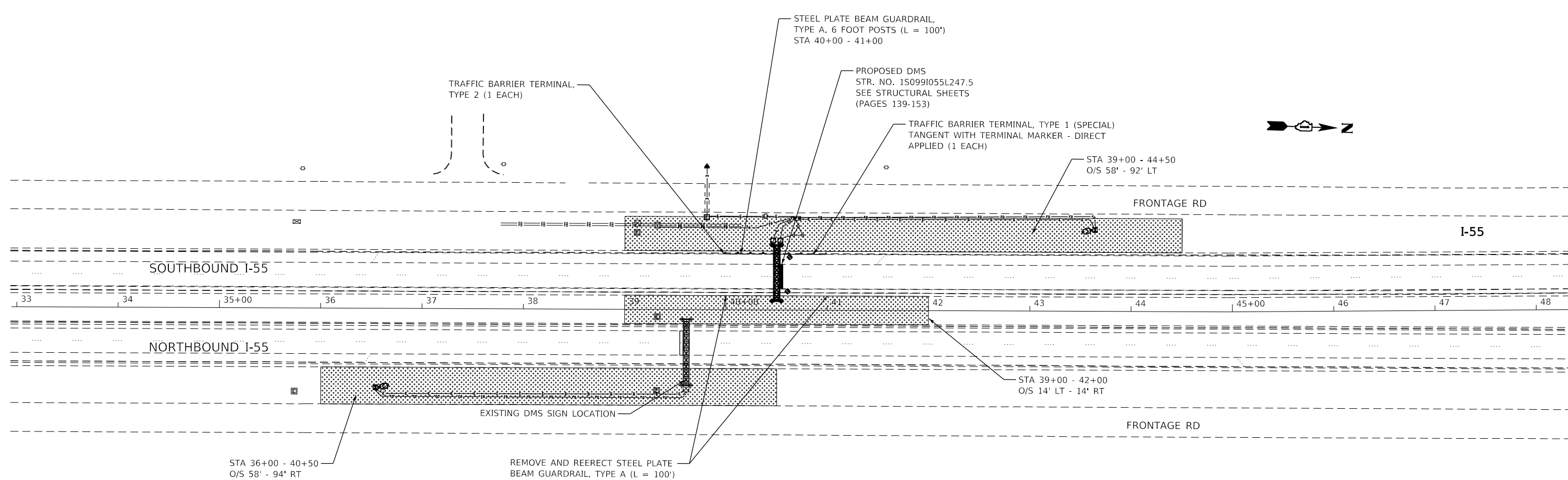
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	11
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sht-plan 155-Summit Rd.dgn



LEGEND

-  SEEDING, CLASS 2A
-  STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

• I-55, I-80 & I-290

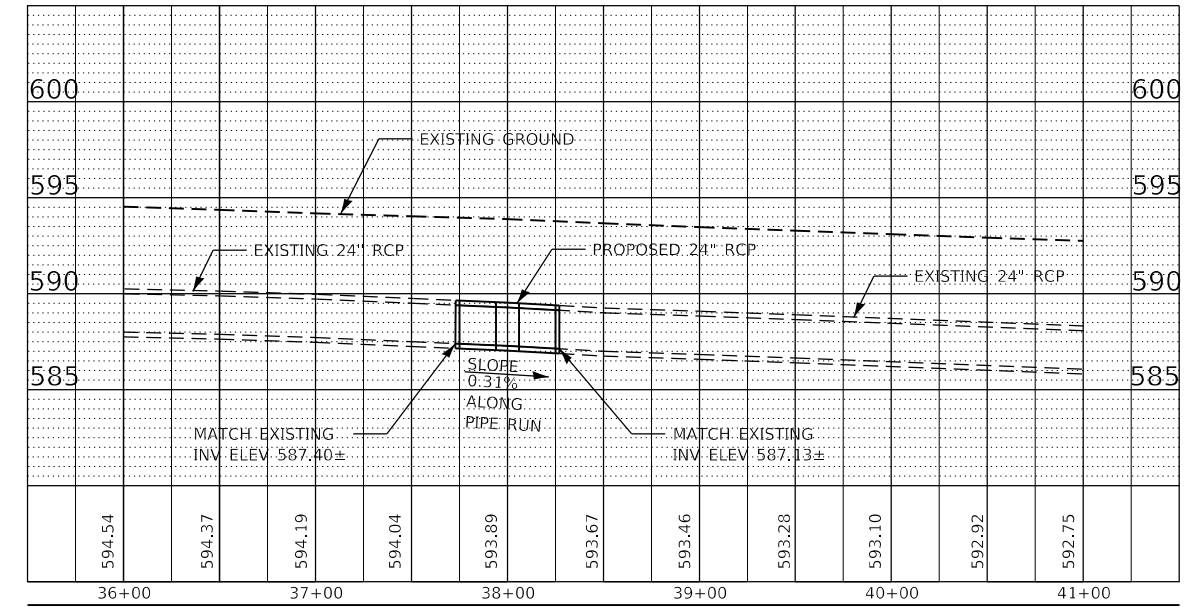
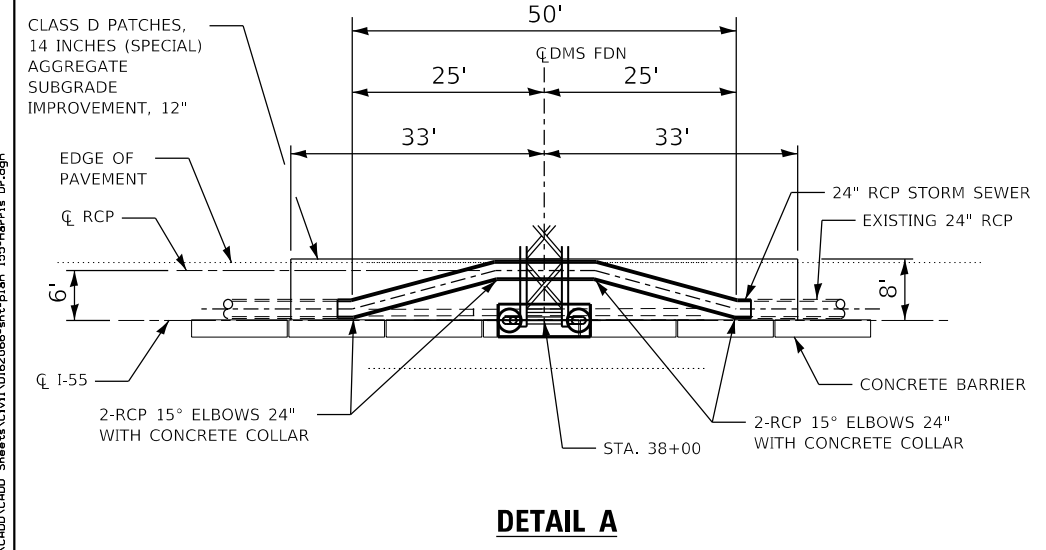
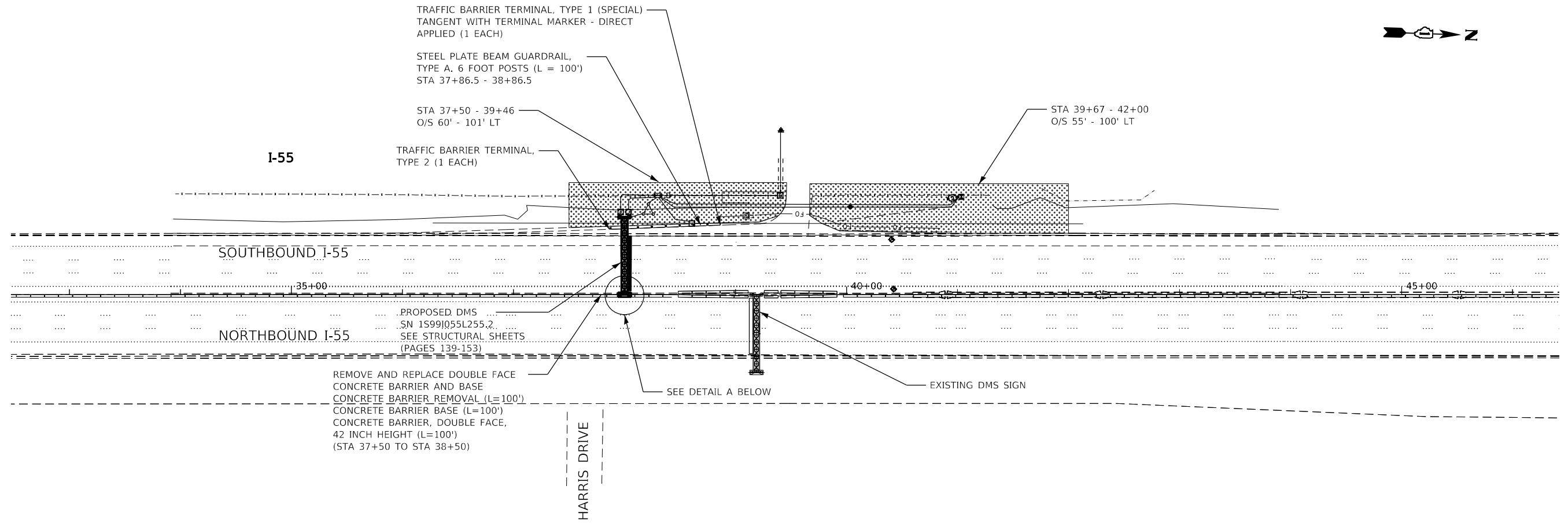
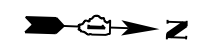


USER NAME = johnn	DESIGNED - LC	REVISED -
	DRAWN - IH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED ROADSIDE RESTORATION SOUTHBOUND I-55 AT W. SUMMIT RD. I-55, I-80 AND I-290 DMS INSTALLATION	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	12
CONTRACT NO. 62066			ILLINOIS FED. AID PROJECT	



LEGEND

- SEEDING, CLASS 2A
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

NOTES

- SHOULDER RUMBLE STRIP REMOVAL AND SHOULDER RUMBLE STRIPS, 16 INCH ON OUTSIDE SHOULDERS BETWEEN STA 30+00 TO STA 46+24 SOUTHBOUND AND BETWEEN STA 30+00 TO STA 46+24 NORTHBOUND. RE-ESTABLISH RUMBLE STRIP ALONG SOUTHBOUND INSIDE SHOULDER ALONG LENGTH OF CLASS D PATCHES (SPECIAL) IN DETAIL A.
- RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL AND REPLACEMENT REFLECTORS BETWEEN STA 26+00 TO STA 56+00 SOUTHBOUND AND BETWEEN STA 18+50 TO STA 49+50 NORTHBOUND.

HMA MIXTURE REQUIREMENTS CHART

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
CLASS D PATCHES, 14 INCHES (SPECIAL)	HMA SURFACE COURSE, MIX "D", N70, (IL-9.5), 2" HMA BINDER COURSE, (IL-19.0), N90, 1 1/2" HMA BASE COURSE, (HMA BINDER IL-19.0, N90), 10 1/2"	4% @ 50 GYR. 4% @ 90 GYR. 4% @ 90 GYR.	QC/QA QC/QA QC/QA

NOTES:

- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22"; AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- 3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- 4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE. QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA).

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62666\CADD\CADD Sheets\Civil\162666-shr-plan 155-Harris Dr.dgn



USER NAME = johnn	DESIGNED - LC	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - IH	REVISED -
PLOT DATE = 10/17/2018	CHECKED - JMT	REVISED -
	DATE - 10/17/2018	REVISED -

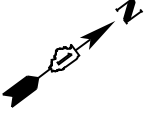
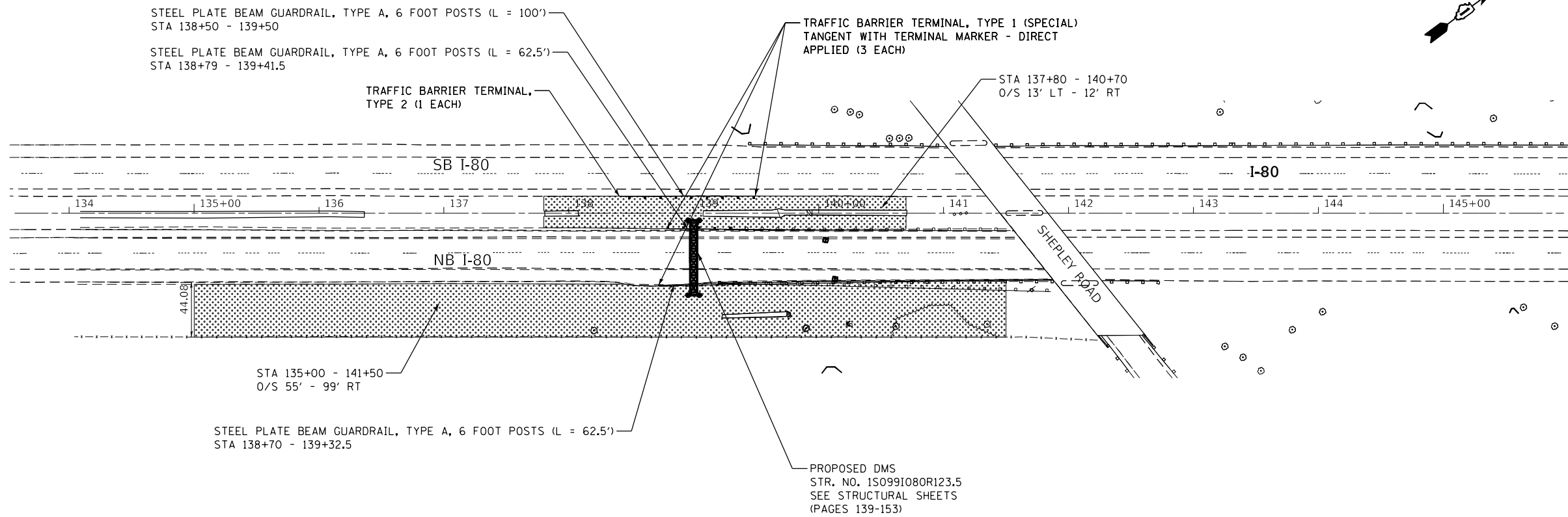
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADSIDE RESTORATION
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62666	

• I-55, I-80 & I-290



NOTES

REMOVE EXISTING TYPE 1 SPECIAL AND TYPE 2 TANGENT END SECTIONS AND ATTACH PROPOSED GUARDRAIL TO EXISTING. COST INCLUDED IN GUARDRAIL REMOVAL.

LEGEND

- SEEDING, CLASS 2A
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

• I-55, I-80 & I-290

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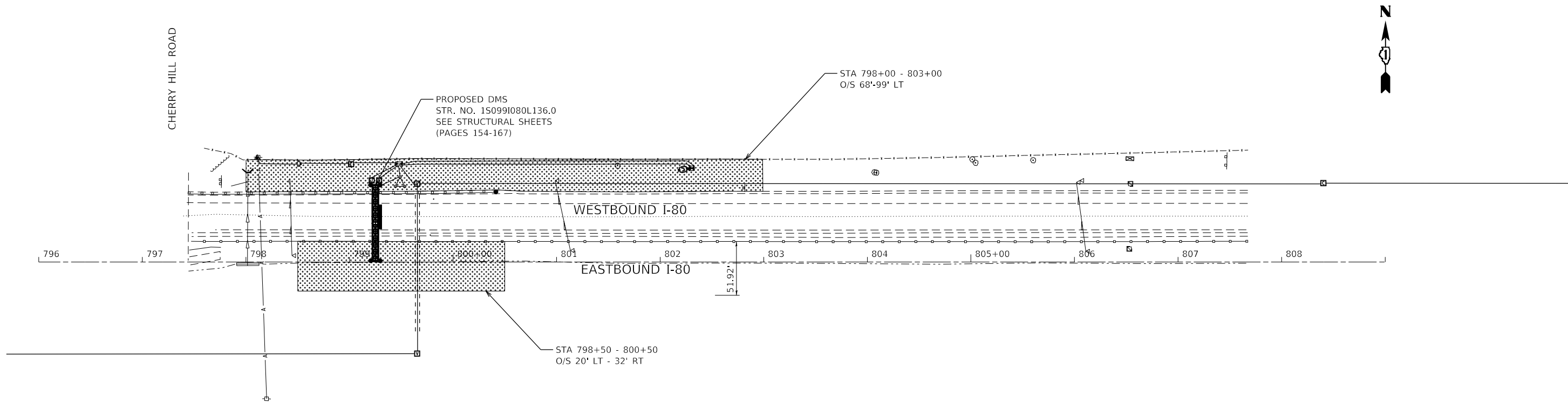
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADSIDE RESTORATION
EASTBOUND I-80 AT WEST OF SHEPLEY RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	14
			CONTRACT NO. 62666	
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sht-plan 100-Cherry Hill.dgn



NOTE

ACCESS PROPOSED SOUTHSIDE FOUNDATION FROM EASTBOUND LANES TO AVOID GUARDRAIL REMOVAL.

LEGEND

 SEEDING, CLASS 2A

• I-55, I-80 & I-290



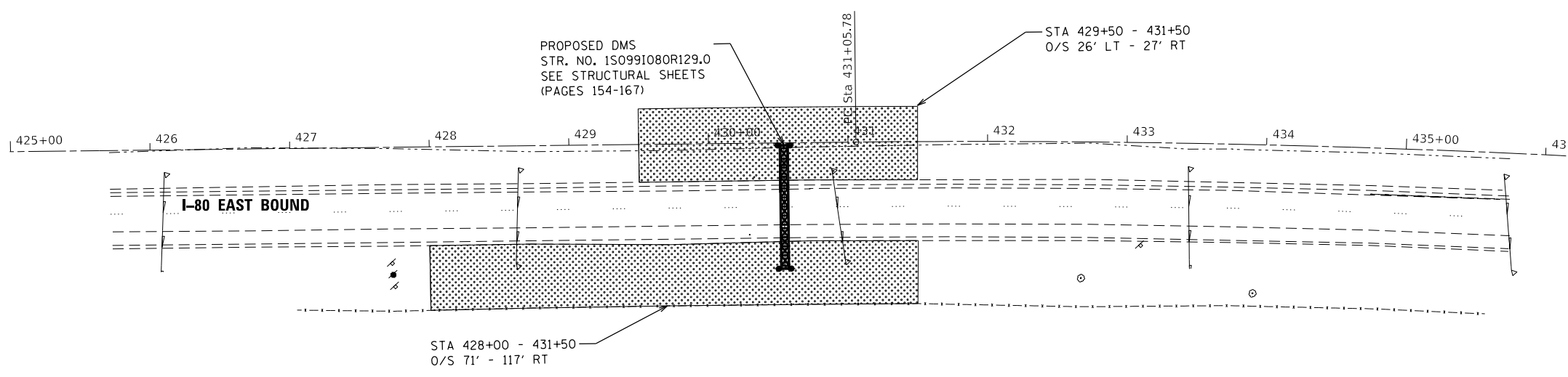
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADSIDE RESTORATION
WESTBOUND I-80 AT CHERRY HILL
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	15
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



LEGEND

SEEDING, CLASS 2A

• I-55, I-80 & I-290

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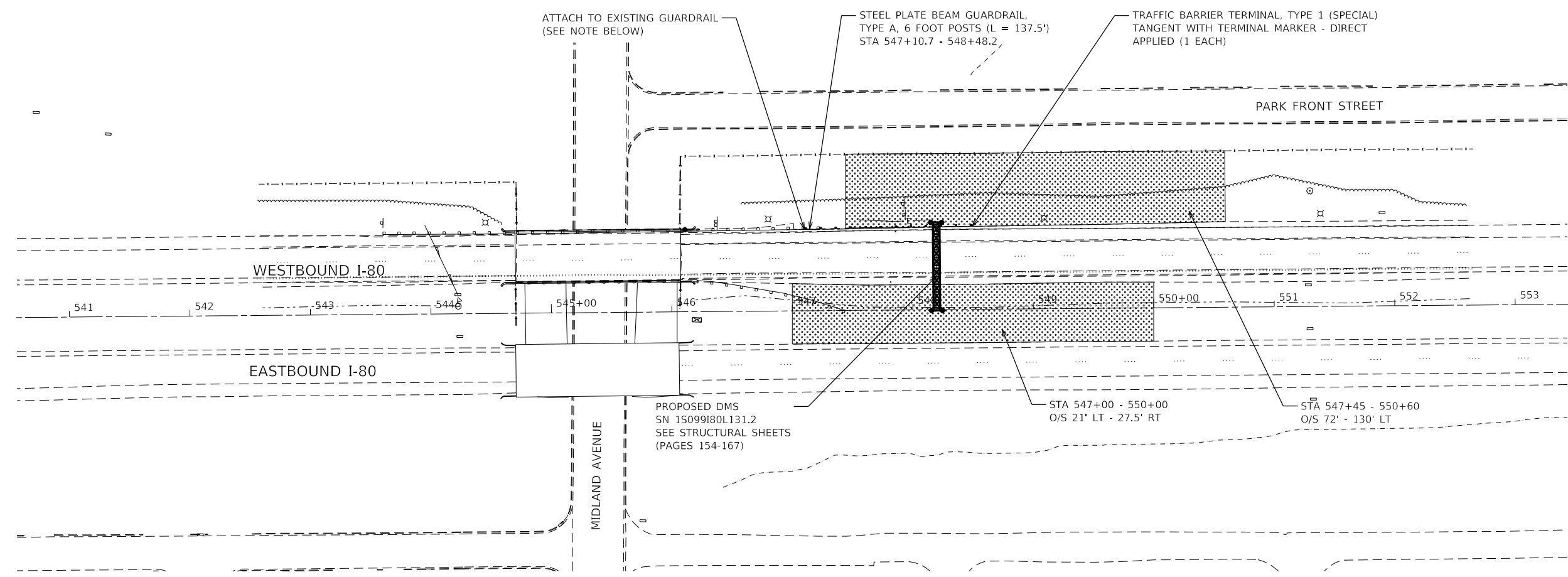
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PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADSIDE RESTORATION
EASTBOUND I-80 WEST OF LARKIN
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	16
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



NOTES

REMOVE EXISTING 12.5' TYPE 1 SPECIAL TANGENT END SECTION AND ATTACH PROPOSED GUARDRAIL TO EXISTING GUARDRAIL. GUARDRAIL REMOVAL PAID FOR AS GUARDRAIL REMOVAL. PROPOSED GUARDRAIL PAID FOR AS STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS.

LEGEND

- SEEDING, CLASS 2A
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-ah-1-plan 100-Larkin-East.dgn

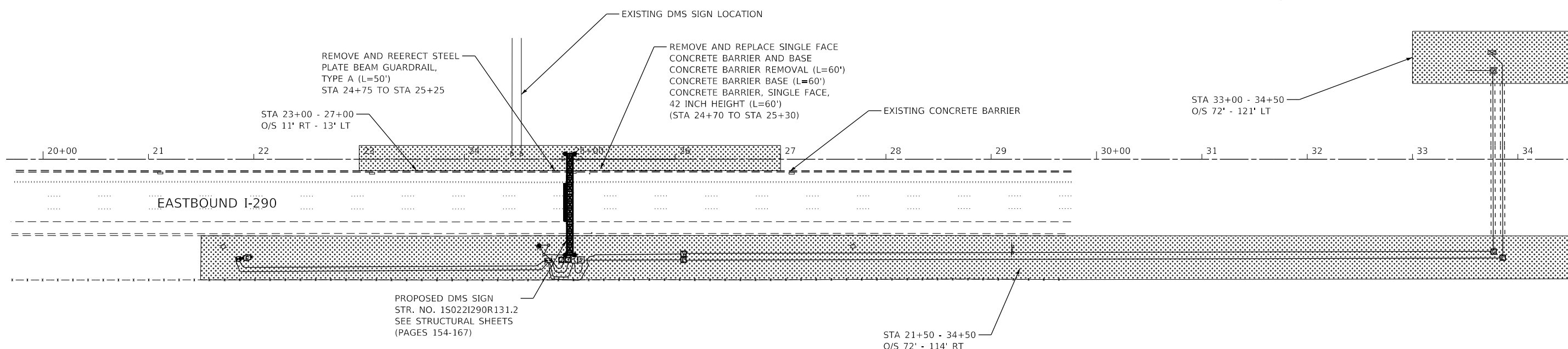
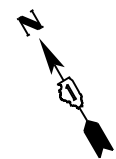


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PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED ROADSIDE RESTORATION EASTBOUND I-80 EAST OF LARKIN I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62066	



LEGEND

SEEDING, CLASS 2A

• I-55, I-80 & I-290

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PLOT DATE = 10/17/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADSIDE RESTORATION
EASTBOUND I-290 AT MILL RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	18
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				

MOT GENERAL NOTES

1. THE PERMANENT TRAFFIC CONTROL DEPICTED HERE IN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
3. DRUMS OR TYPE II BARRICADES SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FEET CENTER TO CENTER IN TANGENTS, 25 FEET CENTER TO CENTER IN TAPERS, AND 10 FEET CENTER TO CENTER IN RADII IN THE CONSTRUCTION WORK ZONE.
4. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
6. ALL "ROAD CONSTRUCTION AHEAD", "SHOULDER CLOSED AHEAD", AND "SPEED LIMIT AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
7. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847)-705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" x 6" DELINEATOR INSTALLED. COST OF THE DELINEATOR IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS).
10. LANES MAY ONLY BE CLOSED DURING THE ALLOWABLE HOURS LISTED IN THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION.
11. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
12. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
14. THE CONTRACTOR SHALL PLACE ONE (1) CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH APPROPRIATE INFORMATION SHALL BE PLACED TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY, "CHANGEABLE MESSAGE SIGN". TWO (2) CHANGEABLE MESSAGE SIGNS WILL BE PLACED AT LOCATIONS WITH CLOSURES ON BOTH SIDES OF THE EXPRESSWAY.
15. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL WORKWEEKS OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
16. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF STAGE CHANGES, LANE CLOSURES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT LIMITED TO LANE CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS
17. TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS INDICATED IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
18. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION. THE COST TO REPAIR ANY DAMAGES WITH BE BORNE BY THE CONTRACTOR AND NOT THE RESPONSIBILITY OF THE DEPARTMENT.
19. TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WHERE A 3.5 FOOT CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL.
20. WORK CAN ONLY BE PERFORMED ON ONE SIDE OF I-55, I-80, OR I-290 AT A TIME.

SEQUENCE OF CONSTRUCTION

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT ALL SEVEN (7) LOCATIONS. ALL IMPROVEMENTS, WITH THE EXCEPTION OF I-55 SOUTHBOUND AT HARRIS DRIVE, WILL BE CONSTRUCTED USING SHOULDER CLOSURES, PER TC-17 AND HIGHWAY STANDARDS 701400, 701401, 701428, AND 701446. I-55 SOUTHBOUND AT HARRIS DRIVE WILL BE CONSTRUCTED USING DISTRICT STANDARD TC-09 AND HIGHWAY STANDARDS 701400, 701401, 701428, 701446.

PRE-STAGE: ALL SEVEN (7) LOCATIONS

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER.
2. INSTALL EROSION CONTROL DEVICES AS PER THE EROSION CONTROL PLANS.

STAGE I: I-55 SOUTHBOUND AT HARRIS DRIVE

1. INSTALL AND MAINTAIN TRAFFIC CONTROL AND PROTECTION AS PER MAINTENANCE OF TRAFFIC PLANS AND DISTRICT STANDARD TC-17 FOR OUTSIDE SHOULDER CLOSURE FOR 24 HOURS PER DAY DURING THE DURATION OF CONSTRUCTION.
2. CONSTRUCT PROPOSED DMS SIGN AND SURVEILLANCE FOUNDATIONS.
3. COMPLETE ROADSIDE RESTORATION AS PER PLANS.

STAGE I: I-55 SOUTHBOUND AT SUMMIT ROAD, ALL LOCATIONS AT I-80 (AT EASTBOUND WEST OF SHEPLEY, AT CHEERY HILL WESTBOUND, AT EASTBOUND WEST OF LARKIN, AND AT WESTBOUND EAST OF LARKIN) AND I-290 EASTBOUND AT MILL ROAD

1. INSTALL AND MAINTAIN TRAFFIC CONTROL AND PROTECTION PER DISTRICT STANDARD TC-17 AND HIGHWAY STANDARD 701400 FOR 24 HOURS PER DAY SHOULDER CLOSURE AT SIX (6) PROPOSED LOCATIONS SHOWN IN THE PLANS DURING CONSTRUCTION.
2. REMOVE GUARDRAIL AND BARRIER MEDIAN (IF PRESENT) AS PER PLANS FOR STAGE I.
3. CONSTRUCT PROPOSED DMS SIGNAGE AND SURVEILLANCE FOUNDATIONS.
4. REINSTALL GUARDRAIL AND BARRIER MEDIAN AS PER PLANS.
5. COMPLETE ROADSIDE RESTORATION AS PER PLANS.

STAGE II: I-55 SOUTHBOUND AT HARRIS DRIVE

1. INSTALL AND MAINTAIN TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH MAINTENANCE OF TRAFFIC PLANS, DISTRICT STANDARD TC-09, AND HIGHWAY STANDARD 701400 FOR A 24 HOUR LEFT SHOULDER CLOSURE DURING THE DURATION OF CONSTRUCTION. REMOVE RUMBLE STRIPS.
2. LANES WILL BE SHIFTED RIGHT, MAINTAINING 3 - 11' LANES PER THE MAINTENANCE OF TRAFFIC PLANS. REMOVE CONFLICTING PAVEMENT MARKINGS AND INSTALL TEMPORARY PAVEMENT MARKINGS PER DISTRICT STANDARD TC-12.
3. REMOVE THE MEDIAN CONCRETE BARRIER TO PROVIDE ADEQUATE SPACE FOR NEW FOUNDATIONS.
4. CONSTRUCT PROPOSED DMS SIGN AND SURVEILLANCE FOUNDATIONS.
5. RESTORE THE MEDIAN CONCRETE BARRIER.
6. INSTALL PROPOSED DMS SIGNAGE AND SURVEILLANCE.

STAGE II: I-55 SOUTHBOUND AT SUMMIT ROAD, ALL LOCATIONS AT I-80 (AT EASTBOUND WEST OF SHEPLEY, AT CHEERY HILL WESTBOUND, AT EASTBOUND WEST OF LARKIN, AND AT WESTBOUND EAST OF LARKIN) AND I-290 EASTBOUND AT MILL ROAD

1. INSTALL AND MAINTAIN TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH MAINTENANCE OF TRAFFIC PLANS, DISTRICT STANDARD TC-17, AND HIGHWAY STANDARD 701400 FOR A 24 HOUR LEFT SHOULDER CLOSURE DURING THE DURATION OF CONSTRUCTION.
2. REMOVE CENTER CONCRETE BARRIER MEDIAN TO PROVIDE ADEQUATE SPACE FOR NEW FOUNDATIONS (IF PRESENT).
3. CONSTRUCT PROPOSED DMS SIGN AND SURVEILLANCE FOUNDATIONS AS SHOWN IN THE PLANS. RESTORE THE REMOVED CENTER CONCRETE BARRIER MEDIAN.
4. INSTALL PROPOSED DMS SIGNAGE AND SURVEILLANCE.

STAGE III: ALL LOCATIONS

1. REOPEN THE SHOULDERS TO TRAFFIC AND REMOVE TEMPORARY EROSION CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES. UTILIZE IDOT TRAFFIC CONTROL STANDARDS TO MAINTAIN TRAFFIC.
2. COMPLETE ROADSIDE RESTORATION AS PER PLANS. INSTALL NEW SHOULDER RUMBLE STRIPS PER HIGHWAY STANDARD 642001 FOR I-55 AT HARRIS DRIVE AS INDICATED IN THE MOT TYPICAL SECTIONS.

• I-55, I-80 & I-290

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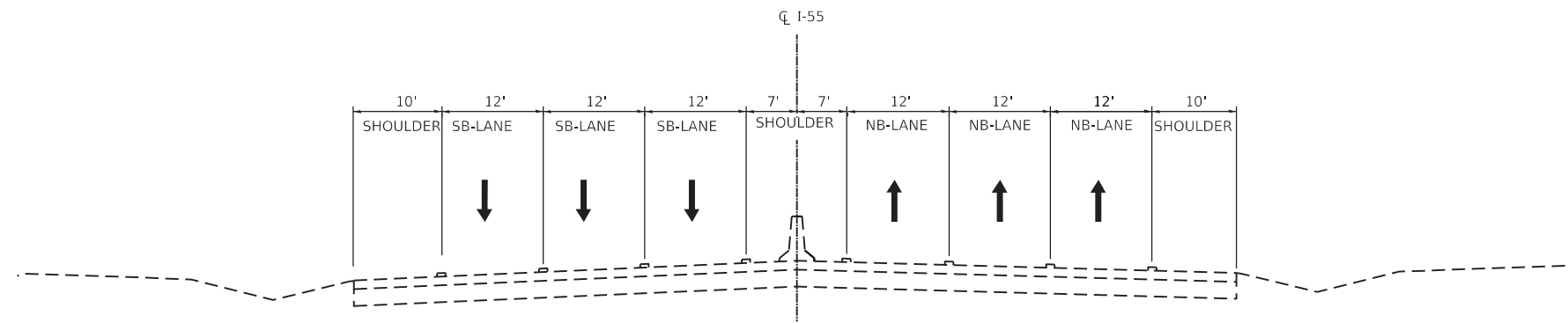
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PLOT DATE = 11/13/2018	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

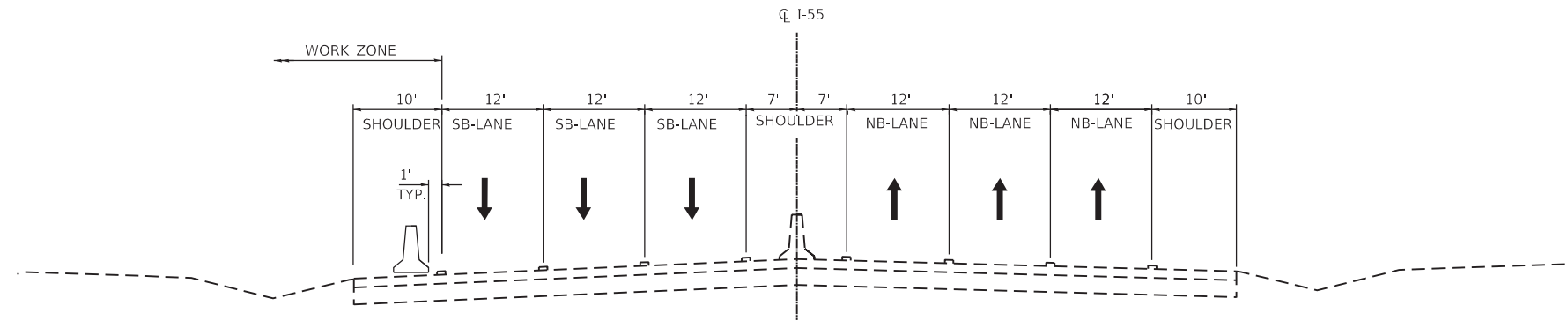
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	19
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



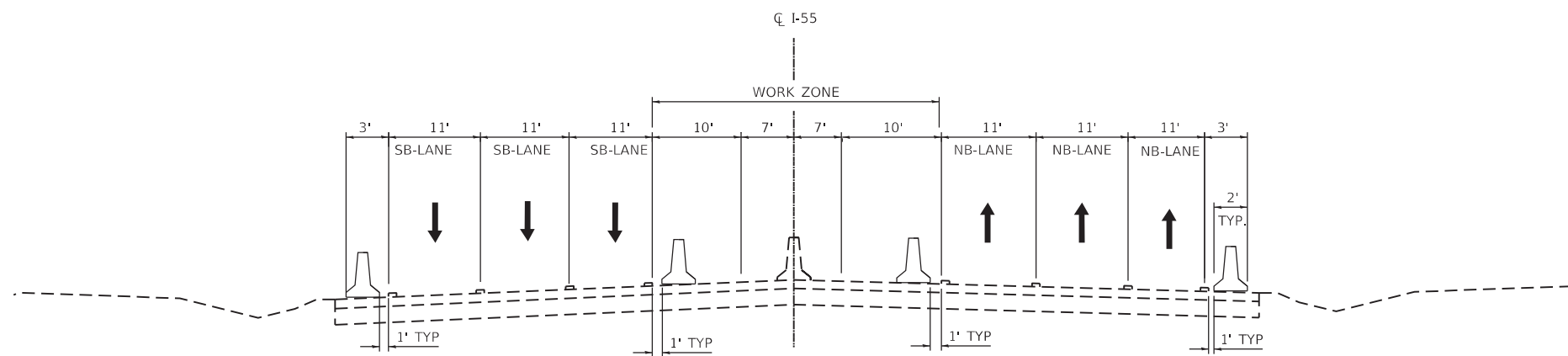
**EXISTING TYPICAL SECTION
I-55 AT HARRIS DR**

STATION 19+00 TO STATION 56+00



**SUGGESTED MOT STAGE - I
I-55 AT HARRIS DR**

STATION 37+00 TO STATION 42+00
TEMPORARY CONCRETE BARRIER
STATION 37+25 TO STATION 38+87.5



**SUGGESTED MOT STAGE - II
I-55 AT HARRIS DR**

STATION 19+00 TO STATION 56+50
TEMPORARY CONCRETE BARRIER
SB OUTSIDE SHOULDER STA 37+00 TO STA 38+87.5
SB INSIDE LANE STA 37+50 TO STA 40+25
NB INSIDE LANE STA 36+00 TO STA 38+50
NB OUTSIDE SHOULDER STA 36+87.5 TO STA 38+75

NOTE: REMOVE RUMBLE STRIP ON SHOULDERS
SB OUTSIDE SHOULDER STA 26+00 TO STA 56+00
NB OUTSIDE SHOULDER STA 18+50 TO STA 49+50

LEGEND

- EXISTING PAVEMENT MARKING
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC

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USER NAME = lchrzesc	DESIGNED - AB	REVISED - AB 11/29/2018
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

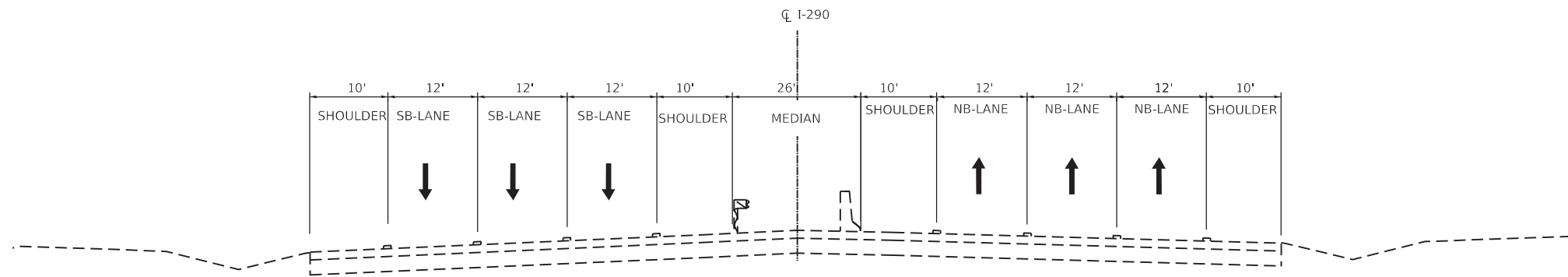
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SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	20
			CONTRACT NO. 62666	
ILLINOIS FED. AID PROJECT				

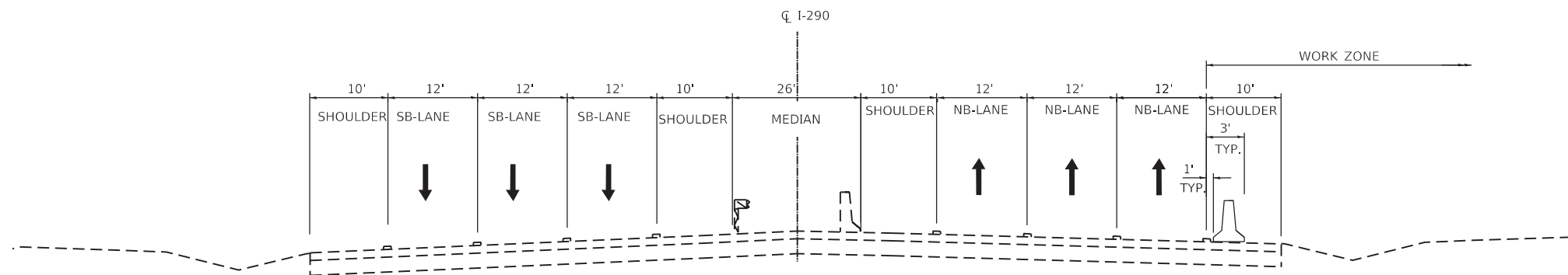
• I-55, I-80 & I-290

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**EXISTING TYPICAL SECTION
I-290 AT MILL ROAD**

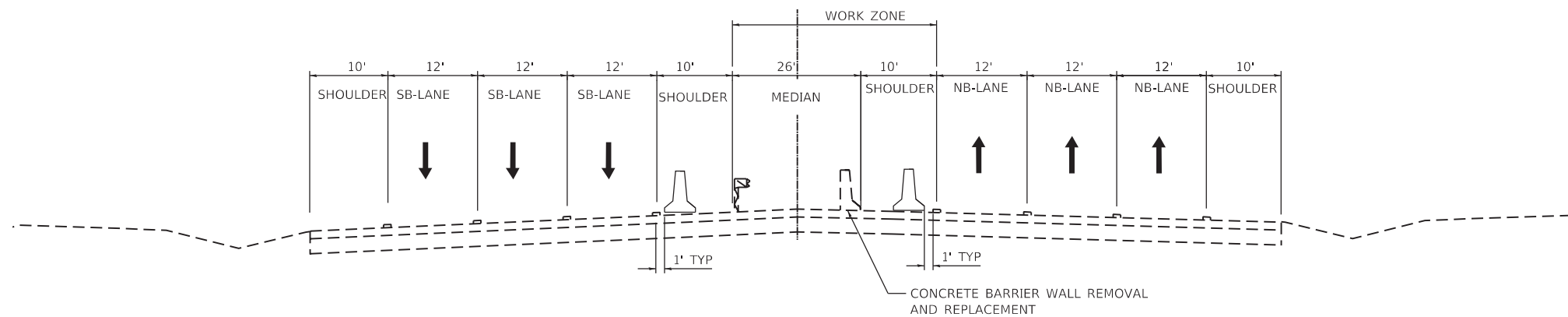
STATION 19+75 TO STATION 25+75



**SUGGESTED MOT STAGE - I
I-290 AT MILL ROAD**

STATION 19+75 TO STATION 25+75

TEMPORARY CONCRETE BARRIER
STATION 22+25 TO STATION 25+75



**SUGGESTED MOT STAGE - II
I-290 AT MILL ROAD**

STATION 19+75 TO STATION 25+75

TEMPORARY CONCRETE BARRIER
STATION 23+00 TO STATION 25+75 EAST BOUND
STATION 24+50 TO STATION 27+00 WEST BOUND

- LEGEND**
- EXISTING PAVEMENT MARKING
 - DRUM WITH 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
 - TEMPORARY CONCRETE BARRIER
 - DIRECTION OF TRAFFIC



USER NAME = lchrzesc	DESIGNED - AB	REVISED - AB 11/29/2018
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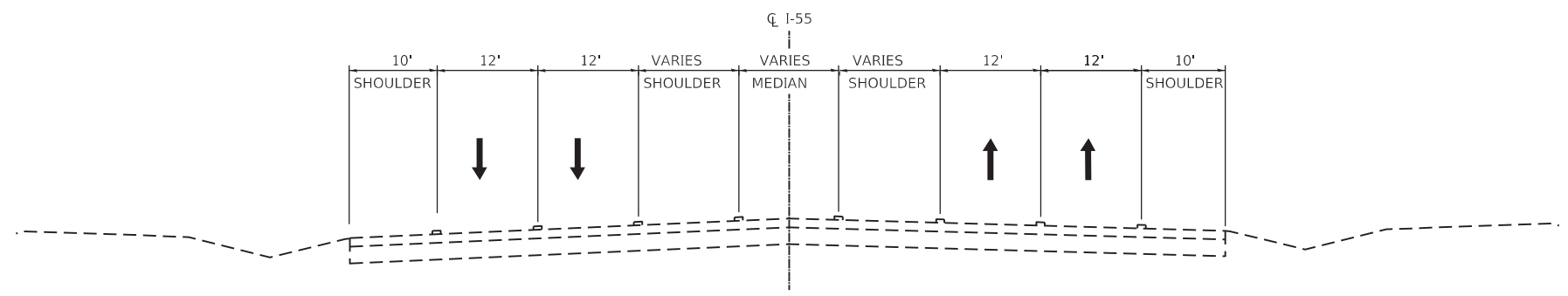
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTINENCE OF TRAFFIC TYPICAL SECTION - I
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF 177 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	21
CONTRACT NO. 62666			ILLINOIS FED. AID PROJECT	

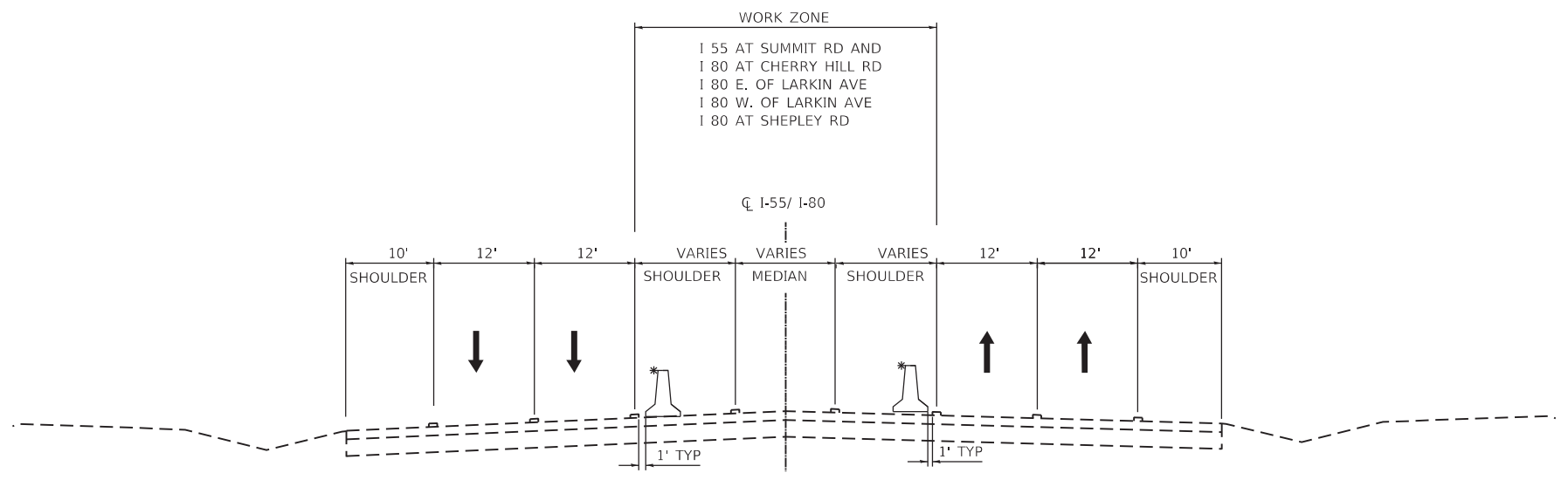
• I-55, I-80 & I-290



**EXISTING TYPICAL SECTION
I-55 AT SUMMIT ROAD**

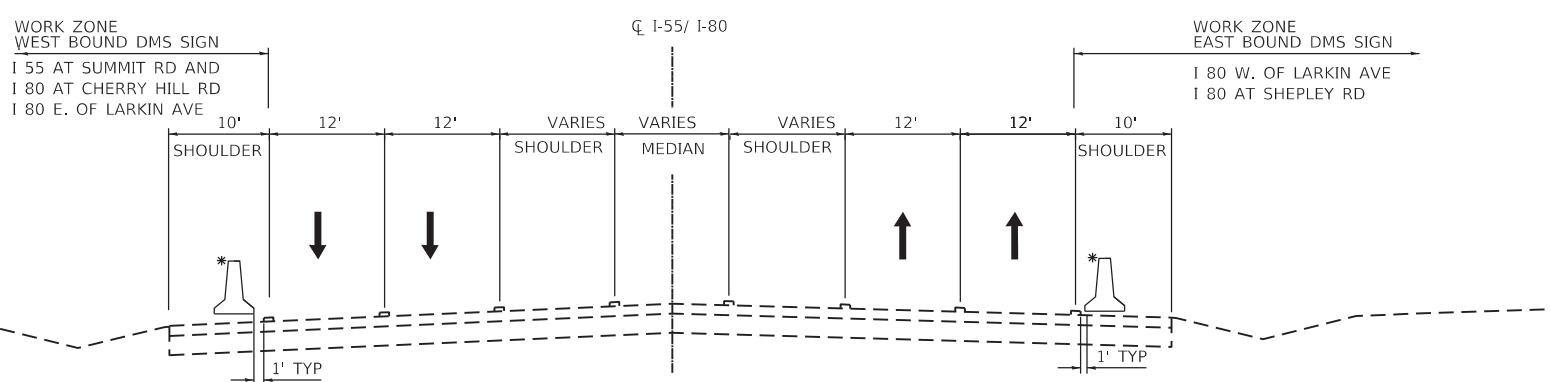
I-80 E OF LARKIN AVE, E OF CHERRY HILL, SHEPLEY RD, W OF LARKIN AVE

I-55 AT SUMMIT ROAD - STA 37+00 TO STA 46+00
 I-80 AT SHEPLEY ROAD - STA 134+00 TO STA 144+00
 I-80 AT CHERRY HILL RD - STA 796+00 TO STA 803+00
 I-80 AT E OF LARKIN AVE - STA 547+00 TO STA 553+00
 I-80 AT W OF LARKIN AVE - STA 425+80 TO STA 433+00



**SUGGESTED MOT STAGE I
I-55 AT SUMMIT ROAD**

I-80 E OF LARKIN AVE, E OF CHERRY HILL, SHEPLEY RD, W OF LARKIN AVE



**SUGGESTED MOT STAGE II
I-55 AT SUMMIT ROAD**

I-80 E OF LARKIN AVE, E OF CHERRY HILL, SHEPLEY RD, W OF LARKIN AVE

* NOTE: FOR LIMITS OF TEMPORARY CONCRETE BARRIERS SEE MOT PLAN SHEETS

- LEGEND**
- EXISTING PAVEMENT MARKING
 - DRUM WITH 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
 - TEMPORARY CONCRETE BARRIER
 - DIRECTION OF TRAFFIC

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-shr-MOT Typical Sec II.dgn



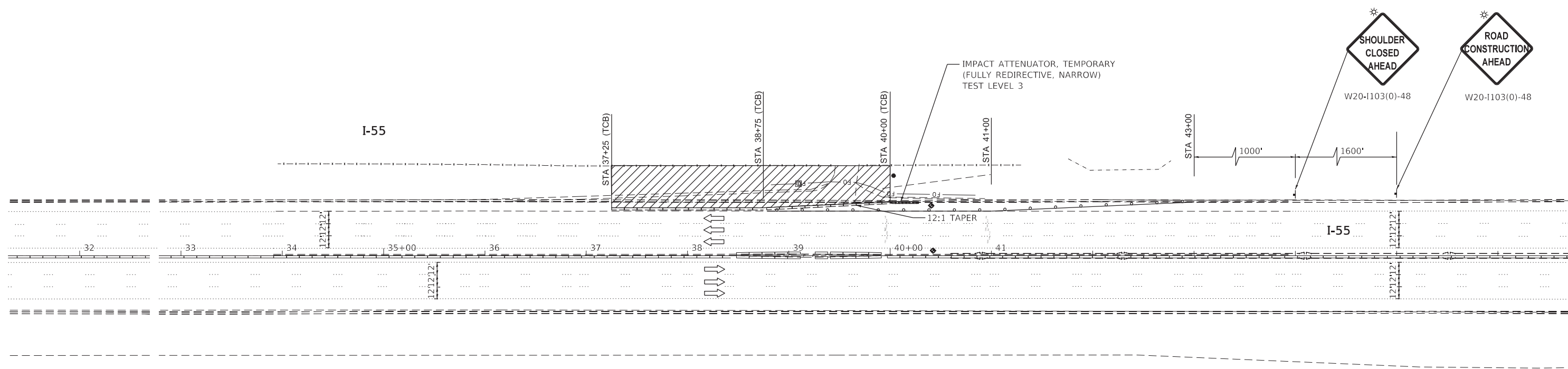
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	DATE - 10/17/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTION - II
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF 177 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	22
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				



NOTE:

NOTIFY THE SHOREWOOD AND JOLIET FIRE DEPARTMENTS AND THE I-55 IDOT MAINTENANCE YARD THAT THE EMERGENCY ACCESS FROM THE FRONTAGE ROAD TO SB I-55 WILL BE CLOSED FOR THE DURATION OF STAGE I AND STAGE II CONSTRUCTION.

LEGEND	
	DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
	SIGN ON PERMANENT OR PORTABLE SUPPORT
	TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	WORK ZONE

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sh1-MOT I55-Harris Dr - stage 1.dgn



USER NAME = lchrzesc	DESIGNED - AB	REVISED - AB 11/29/2018
DRAWN - AB	REVISIONS -	
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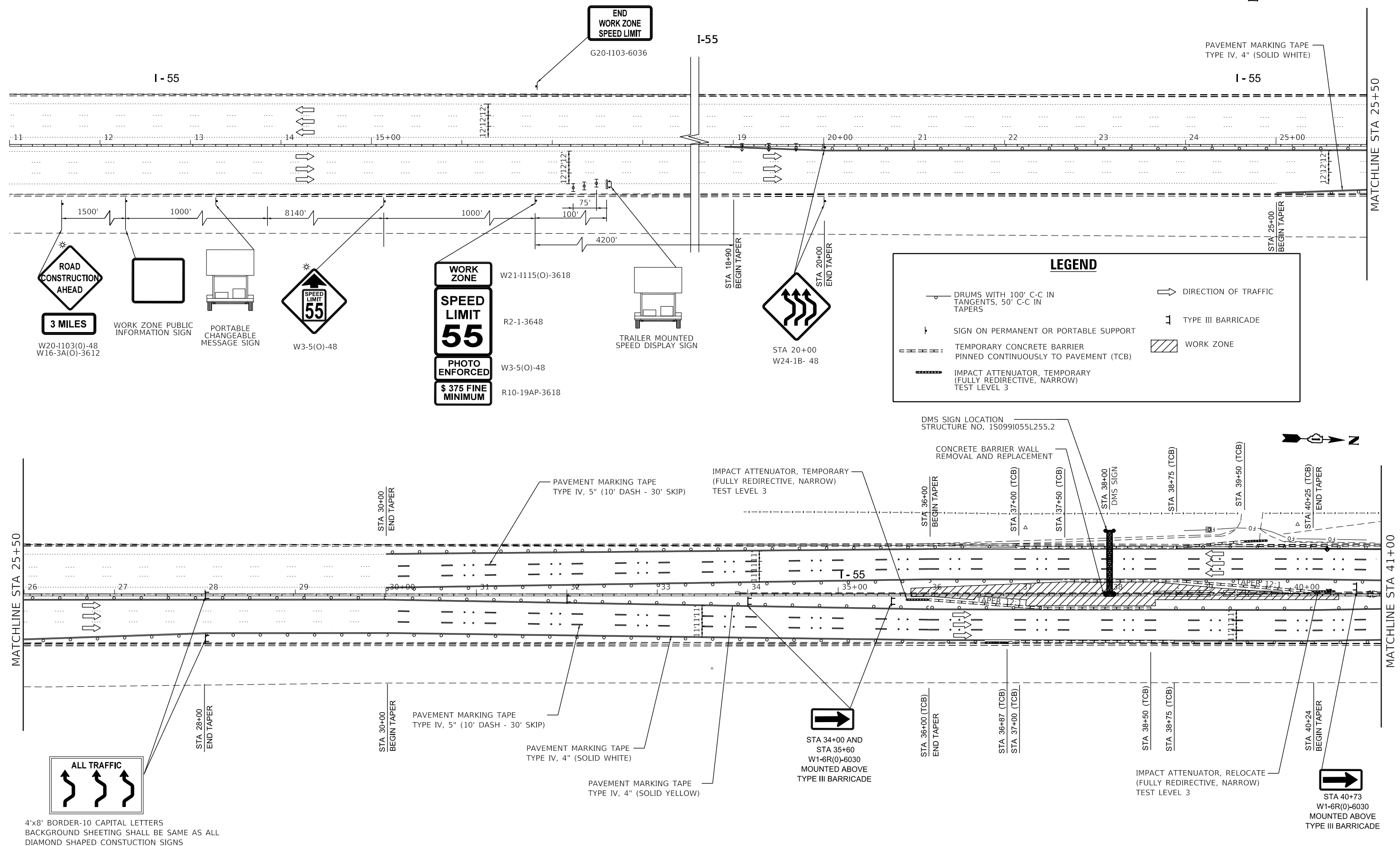
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC STAGE I
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	23
CONTRACT NO. 62666			ILLINOIS FED. AID PROJECT	

NOTE: REMOVE ALL CONFLICTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER-REFLECTOR REMOVAL



LEGEND

- DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
- DIRECTION OF TRAFFIC
- ⊥ TYPE III BARRICADE
- ⊥ SIGN ON PERMANENT OR PORTABLE SUPPORT
- ▨ WORK ZONE
- TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3

DMS SIGN LOCATION
STRUCTURE NO. 150991055L255.2

CONCRETE BARRIER WALL
REMOVAL AND REPLACEMENT

IMPACT ATTENUATOR, TEMPORARY
(FULLY REDIRECTIVE, NARROW)
TEST LEVEL 3

IMPACT ATTENUATOR, RELOCATE
(FULLY REDIRECTIVE, NARROW)
TEST LEVEL 3

4'x8' BORDER-10 CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE SAME AS ALL
DIAMOND SHAPED CONSTRUCTION SIGNS

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\130238 IDOT DURWork 0-der *16-62666\CADD\CADD Sheets\Civil\162666-sh1-MOT I55-Harris Dr-STAGE 2-1.dgn



USER NAME = lchrzesc	DESIGNED - AB	REVISED - AB 11/29/2018
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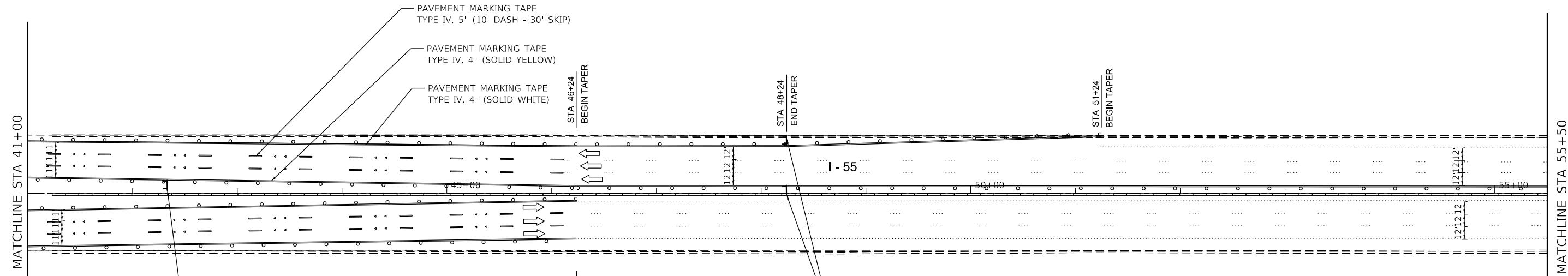
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE II-1
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

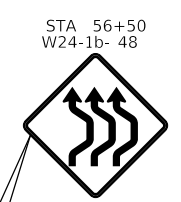
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	24
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

NOTE: REMOVE ALL CONFLICTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER-REFLECTOR REMOVAL



STA 42+33
W1-6R(O)-6030
MOUNTED ABOVE
TYPE III BARRICADE

ALL TRAFFIC
4'x8' BORDER-10 CAPITAL LETTERS
BACKGROUND SHEETING SHALL BE SAME AS ALL
DIAMOND SHAPED CONSTRUCTION SIGNS



STA 56+50
W24-1b-48



TRAILER MOUNTED
SPEED DISPLAY SIGN
W21-1115(O)-3618

WORK ZONE
SPEED LIMIT
55
PHOTO ENFORCED
\$ 375 FINE MINIMUM

W21-1115(O)-3618
R2-1-3648
W3-5(O)-48
R10-19AP-3618



W3-5(O)-48



PORTABLE
CHANGEABLE
MESSAGE SIGN



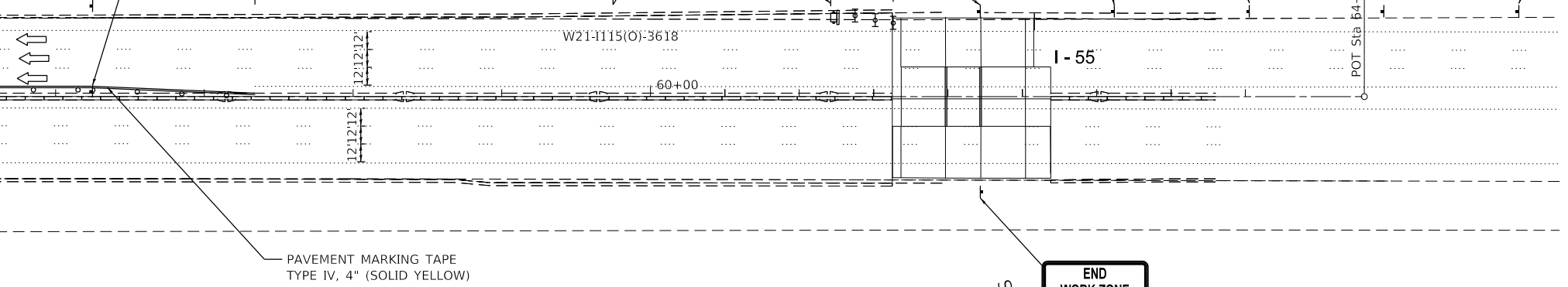
WORK ZONE PUBLIC
INFORMATION SIGN



3 MILES

W20-1103(O)-48
W16-3A(O)-3612

MATCHLINE STA 55+50



PAVEMENT MARKING TAPE
TYPE IV, 4" (SOLID YELLOW)

LEGEND	
	DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	WORK ZONE
	SIGN ON PERMANENT OR PORTABLE SUPPORT
	TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3

FILE NAME = Q:\Engineering\LiveProjects\130238 IDOT DUR\Work 0-dwr\16-62666\CADD\CADD Sheets\Civil\162666-shr-MOT 155 Harris Dr-STAGE 2-2.dgn



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	DATE - 10/17/2018	REVISED -

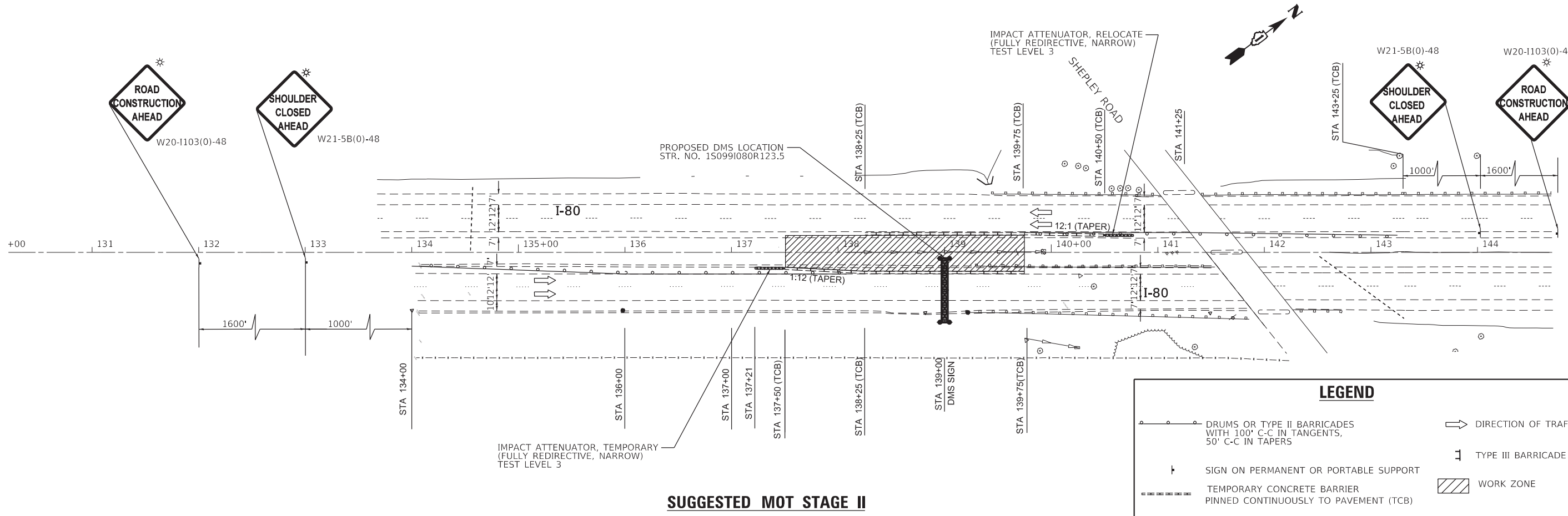
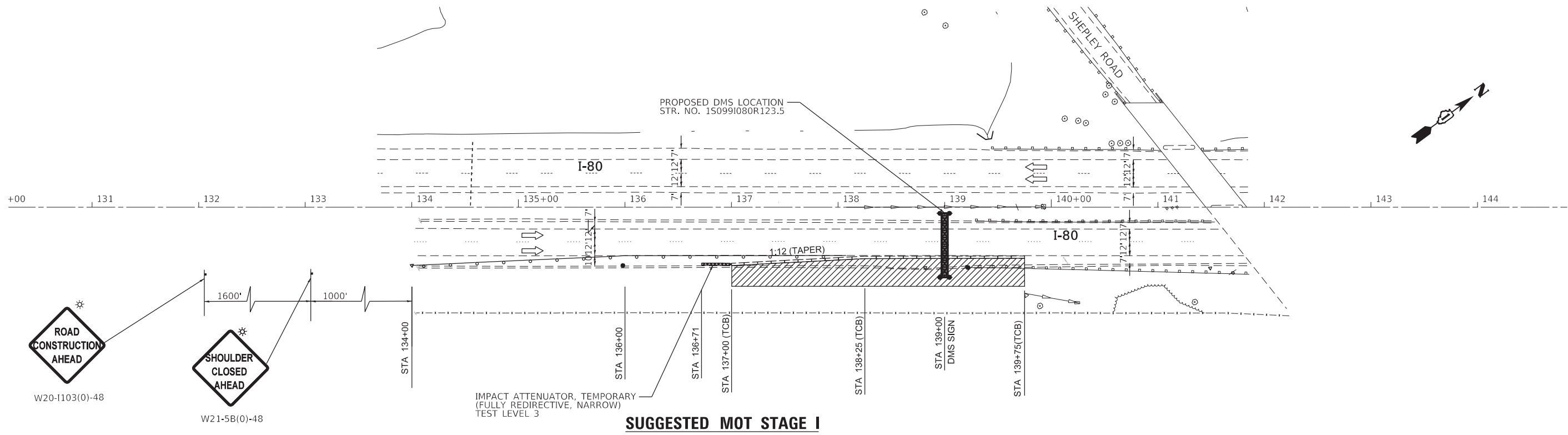
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE II-2
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	25
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290



LEGEND

	DRUMS OR TYPE II BARRICADES WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS		DIRECTION OF TRAFFIC
	SIGN ON PERMANENT OR PORTABLE SUPPORT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)		WORK ZONE
	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3		

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\62066-sh1-MOT 180-Shepley Rd.dgn



USER NAME = lchrzsc	DESIGNED - AB	REVISED - AB 11/29/2018
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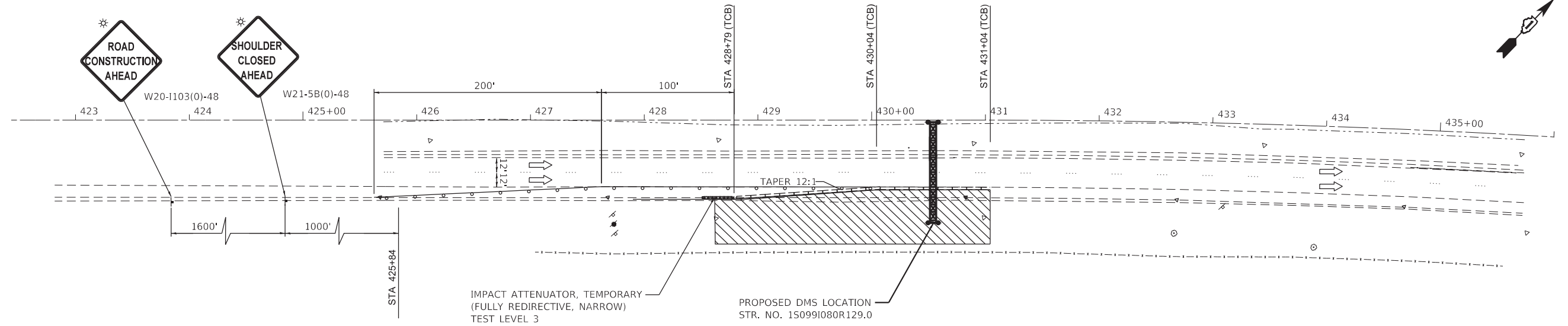
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
EASTBOUND I-80 AT WEST OF SHEPLEY RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

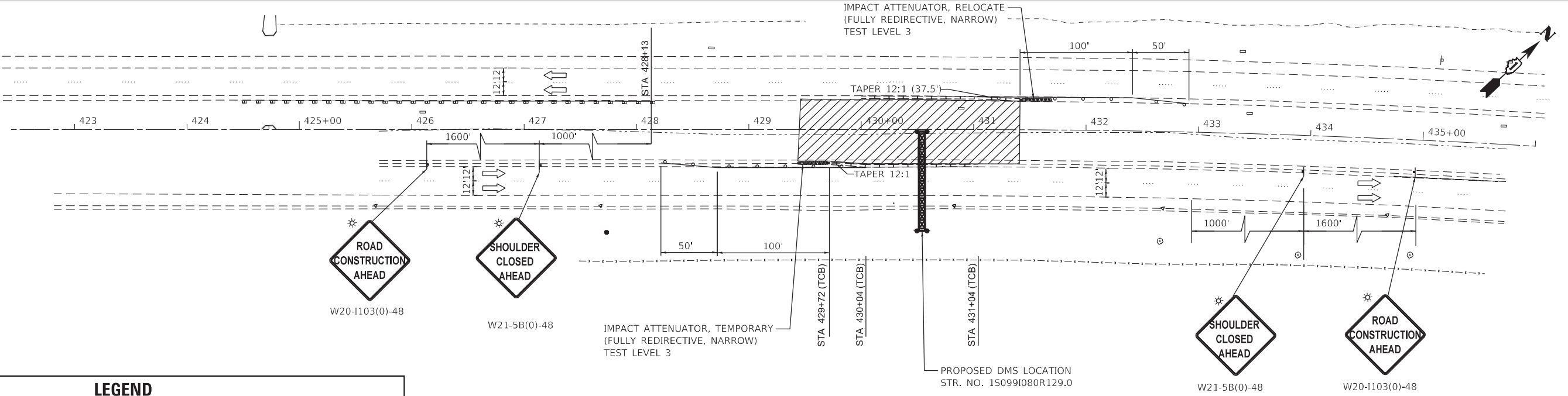
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	26
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290



MOT STAGE 2



MOT STAGE 1

LEGEND

- DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sh1-MOT 180 W of LARKIN.dgn



USER NAME = lchrzesc	DESIGNED - AB	REVISED - AB 11/29/2018
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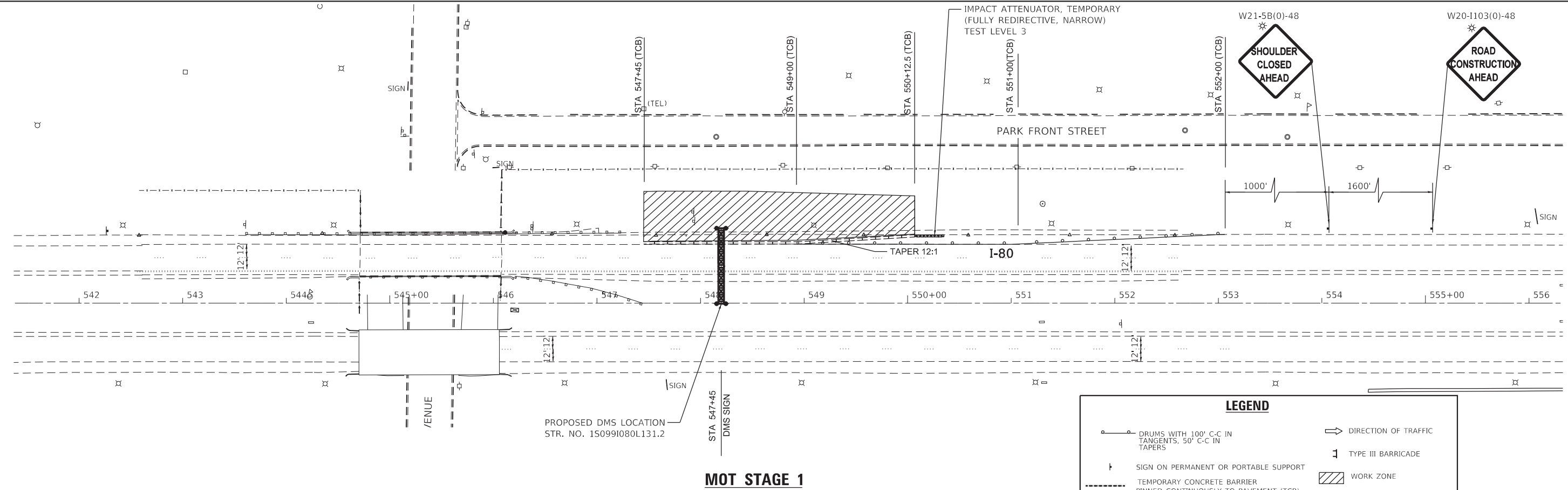
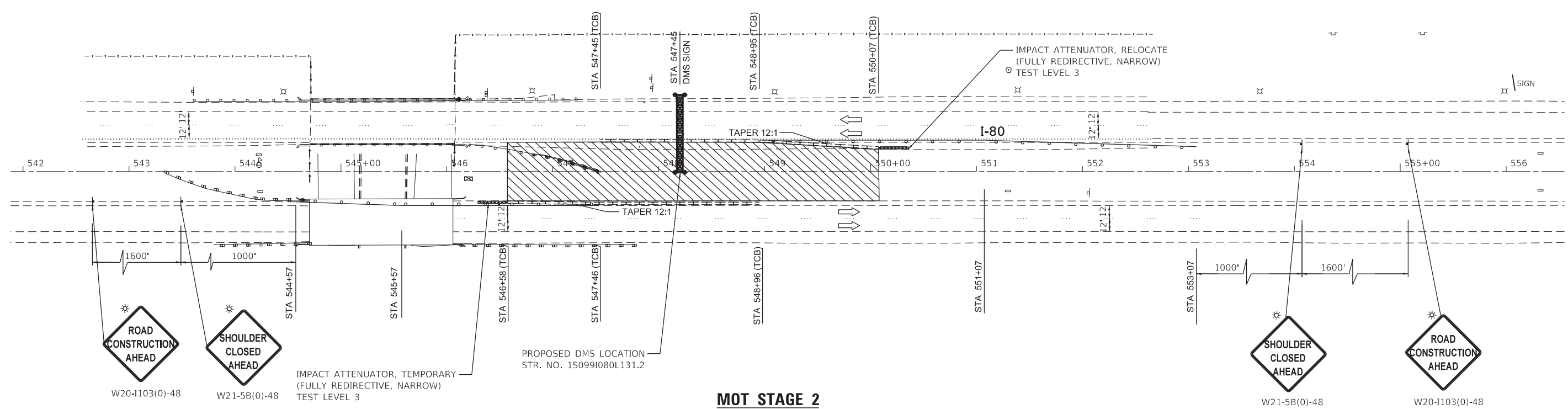
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
EASTBOUND I-80 WEST OF LARKIN
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	27
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290



LEGEND

	DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS		DIRECTION OF TRAFFIC
	SIGN ON PERMANENT OR PORTABLE SUPPORT		TYPE III BARRICADE
	TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)		WORK ZONE
	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3		

• I-55, I-80 & I-290

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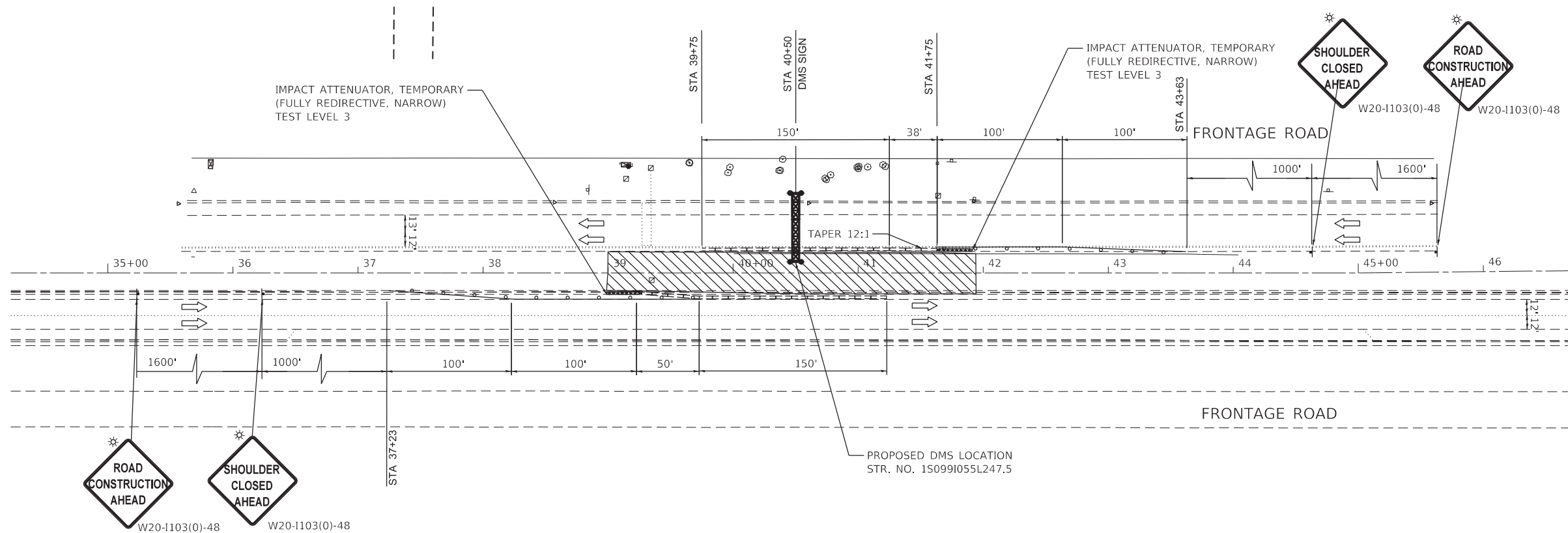
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PLOT DATE = 11/13/2018	DATE - 10/17/2018	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

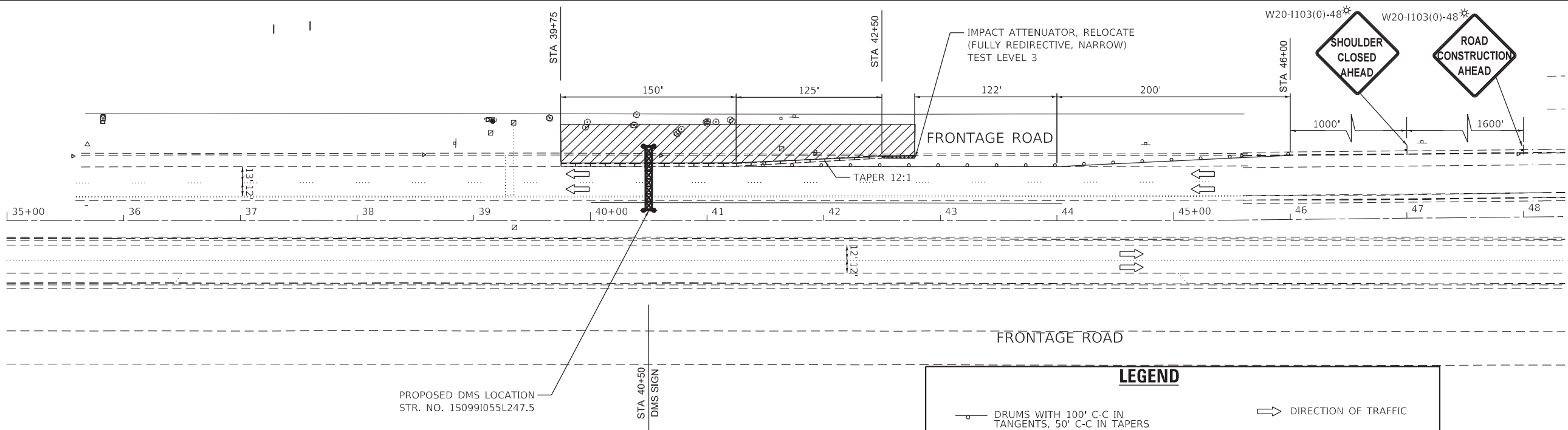
**MAINTENANCE OF TRAFFIC
WESTBOUND I-80 EAST OF LARKIN
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-1	WILL/DUPAGE	177	28
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				



MOT STAGE 1



MOT STAGE 2

LEGEND

- DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- WORK ZONE

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork\0-der\16-62666\CADD\CADD Sheets\C.v1\162666-sh1-MOT-155-SUMMIT RD.dgn



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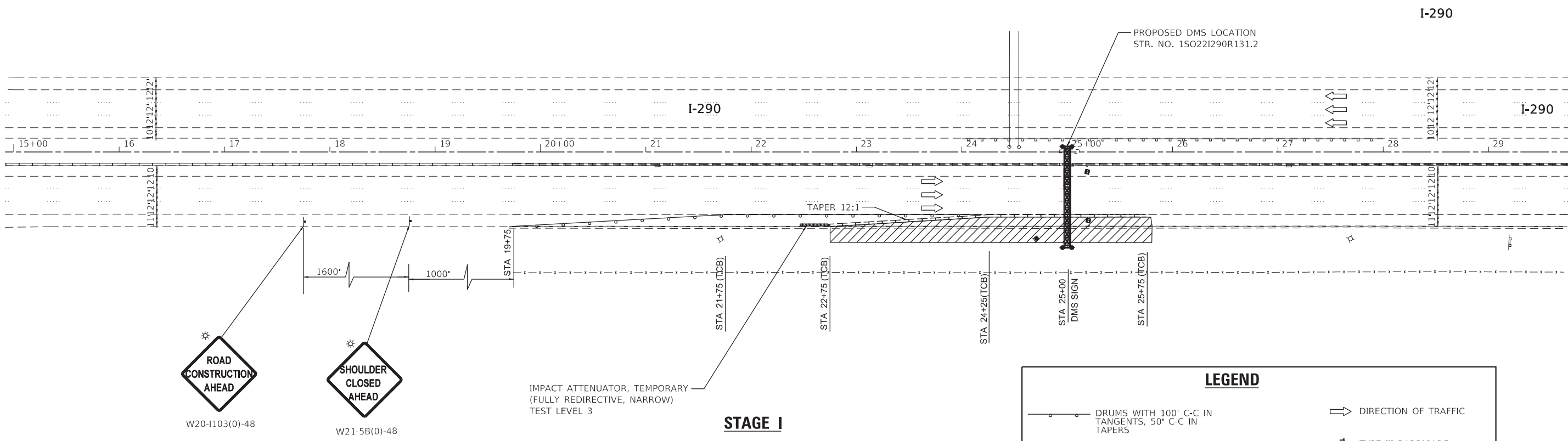
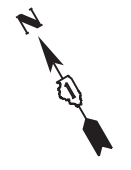
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
SOUTHBOUND I-55 AT W. SUMMIT RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	29
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

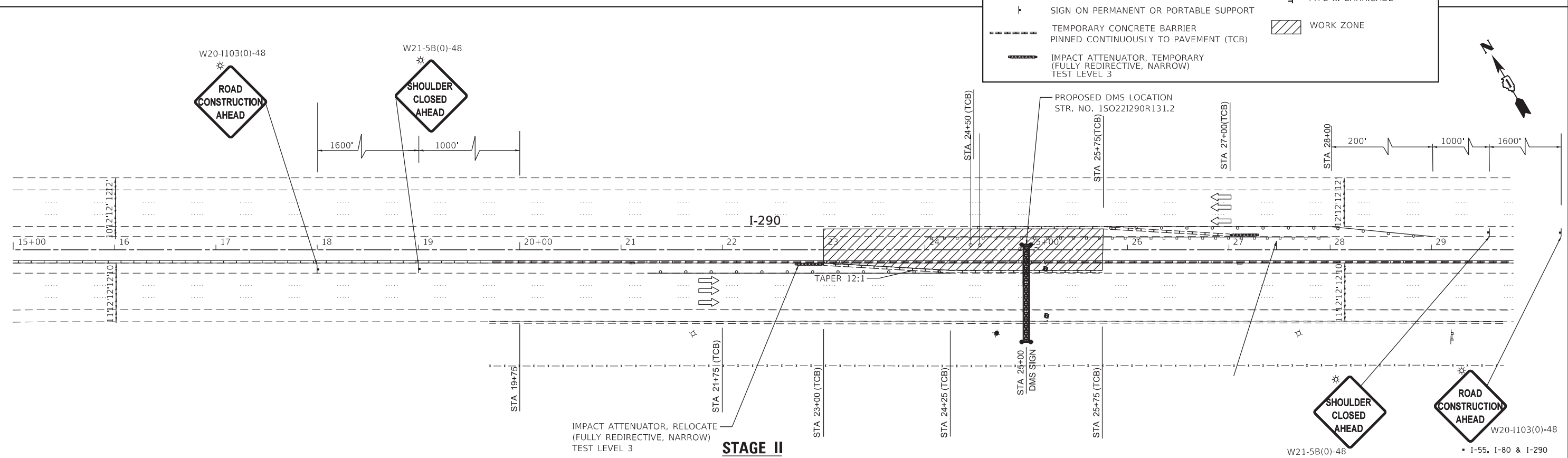
• I-55, I-80 & I-290



STAGE I

LEGEND

- DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- WORK ZONE



STAGE II

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

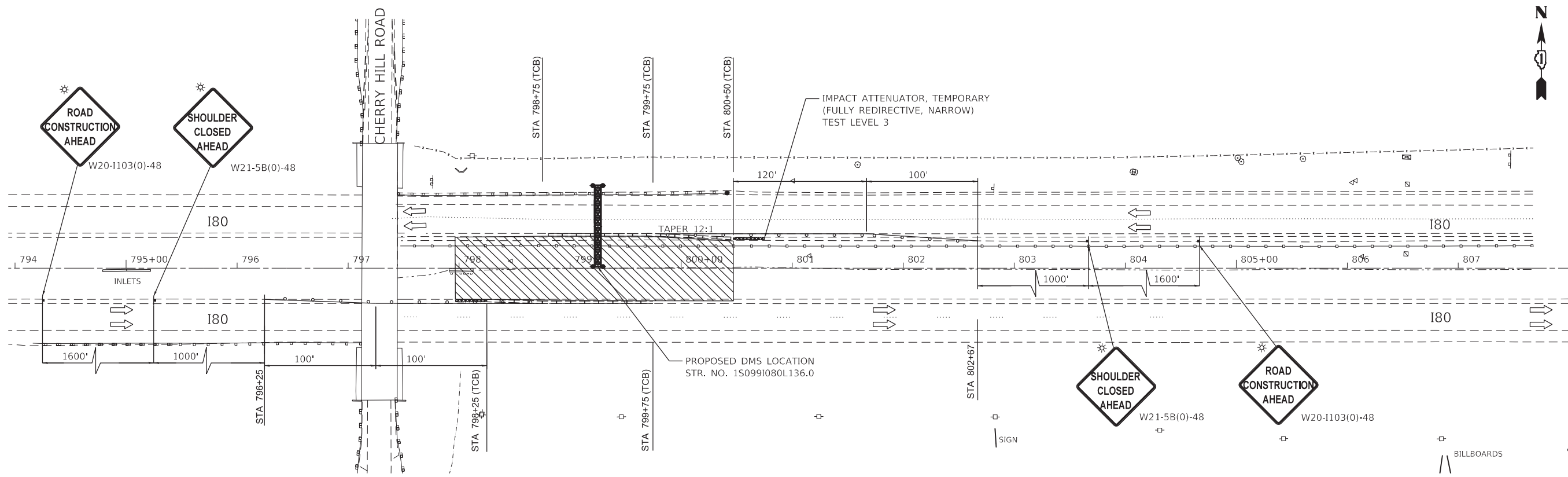
MAINTENANCE OF TRAFFIC
EASTBOUND I-290 AT MILL RD.
I-55, I-80 AND I-290 DMS INSTALLATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	30
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

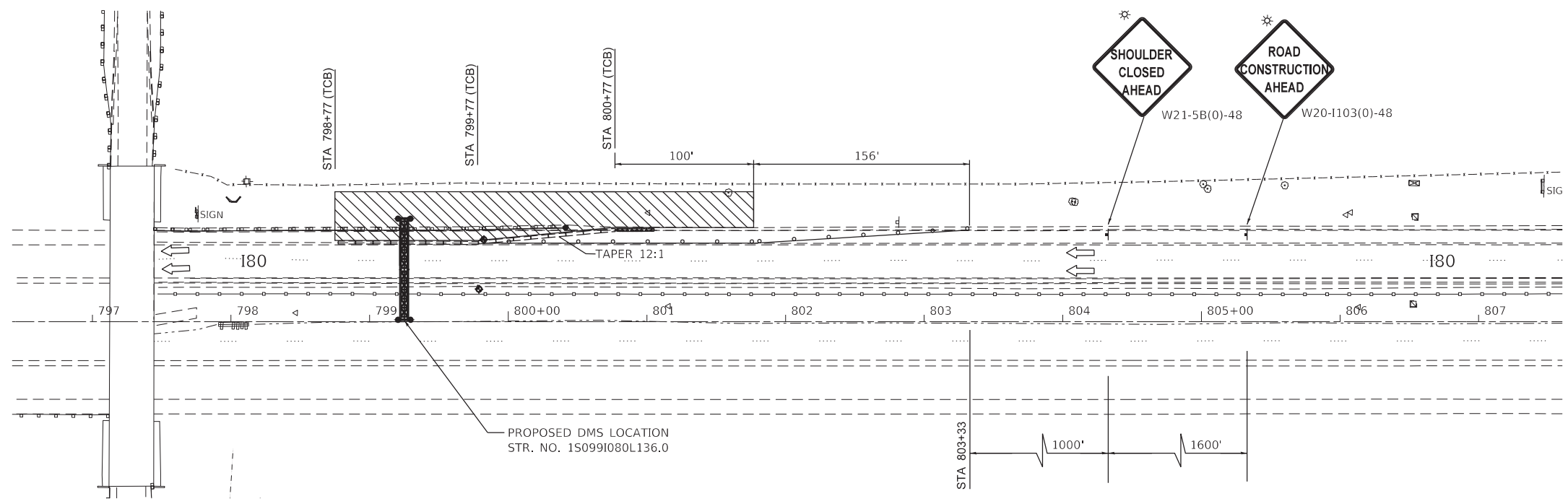
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FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork D-der\16-62666\CADD\CADD Sheets\Civil\162666-shr-MOT 1290-M11 Rd.dgn



MOT STAGE 1



MOT STAGE 2

LEGEND

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- WORK ZONE
- DRUMS WITH 100' C-C IN TANGENTS, 50' C-C IN TAPERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TEMPORARY CONCRETE BARRIER PINNED CONTINUOUSLY TO PAVEMENT (TCB)
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sht-MOT 180 - Cherry Hill.dgn



USER NAME = lchrzsc	DESIGNED - AB	REVISED - AB 11/29/2018
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PLOT DATE = 11/13/2018	DATE - 10/17/2018	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
WESTBOUND I-80 AT CHERRY HILL
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	31
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290

EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER AND WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
- THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
- SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

- EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
- IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 3.
 - ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
- TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
- THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
- NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
- SEEDING USAGE
CLASS 2A:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.
- THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
- THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→							→		→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

SOIL EROSION AND SEDIMENT CONTROL STRATEGY:

- INSTALL TRAFFIC CONTROL DEVICES.
- ERECT PERIMETER EROSION BARRIERS AS SHOWN ON THE PLANS.
- INSTALL INLET AND PIPE PROTECTION AS SHOWN IN THE PLANS.
- CONSTRUCT PROJECT IMPROVEMENTS AS SHOWN ON THE PLANS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
- STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET AS SHOWN ON THE PLANS FOR PERMANENT STABILIZATION.
- WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

HIGHWAY STANDARD

STD. NO. TITLE
280001 TEMPORARY EROSION CONTROL SYSTEMS

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\Live\Projects\13038 IDOT DUR\Work Order #16-62066\CADD\CADD Sheets\Civil\162066-shr-Eros Control Notes.dgn



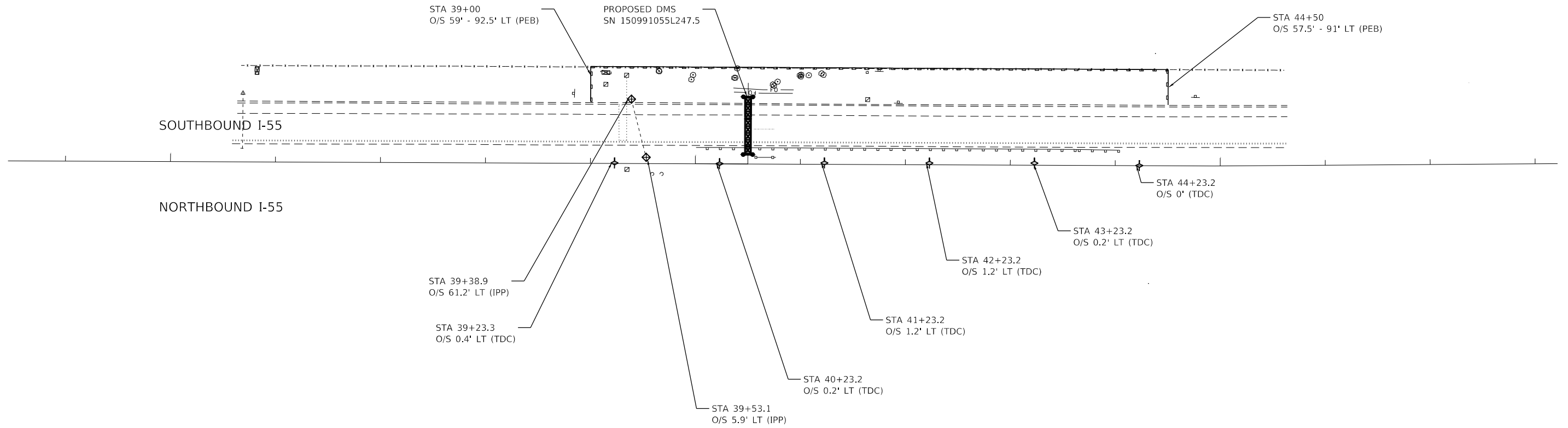
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL NOTES
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	32
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ◇ TEMPORARY DITCH CHECKS (TDC)
- PERIMETER EROSION BARRIER (PEB)

• I-55, I-80 & I-290

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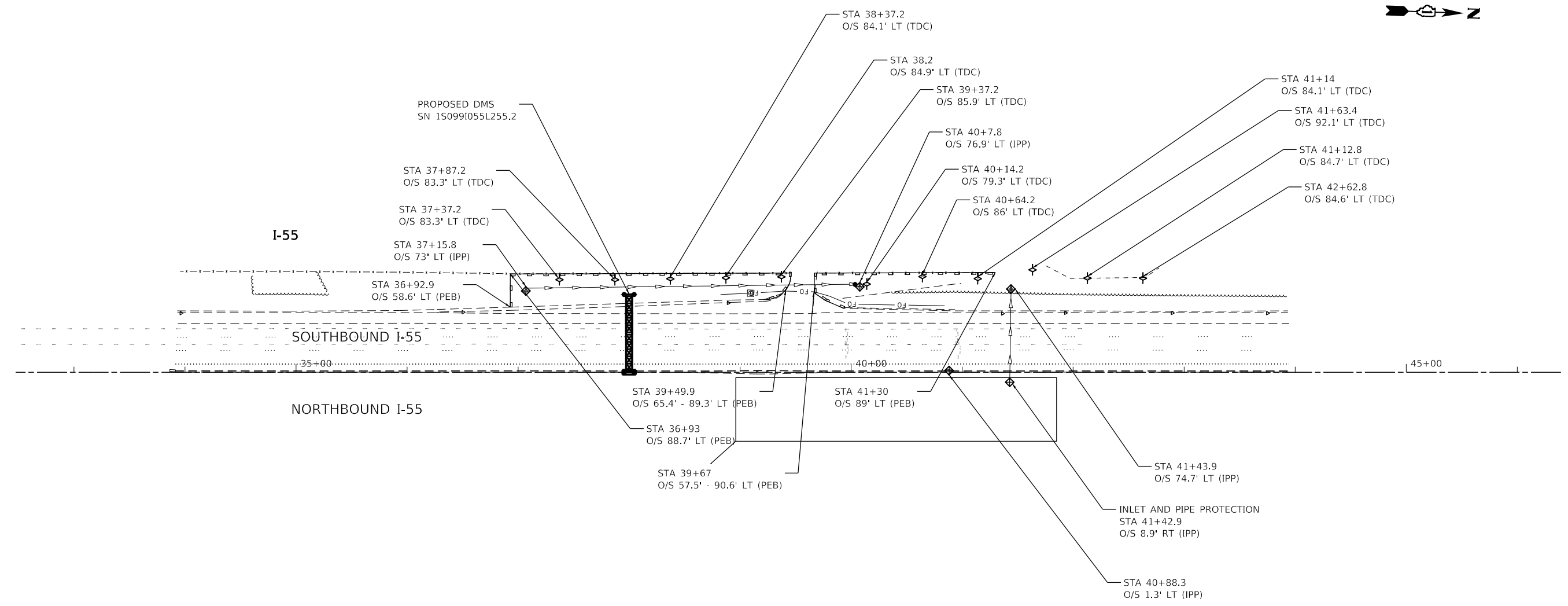
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
SOUTHBOUND I-55 AT W. SUMMIT RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	33
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ◆ TEMPORARY DITCH CHECKS (TDC)
- PERIMETER EROSION BARRIER (PEB)

• I-55, I-80 & I-290

FILE NAME = Q:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-shr-EROS 155-Harris Dr.dgn



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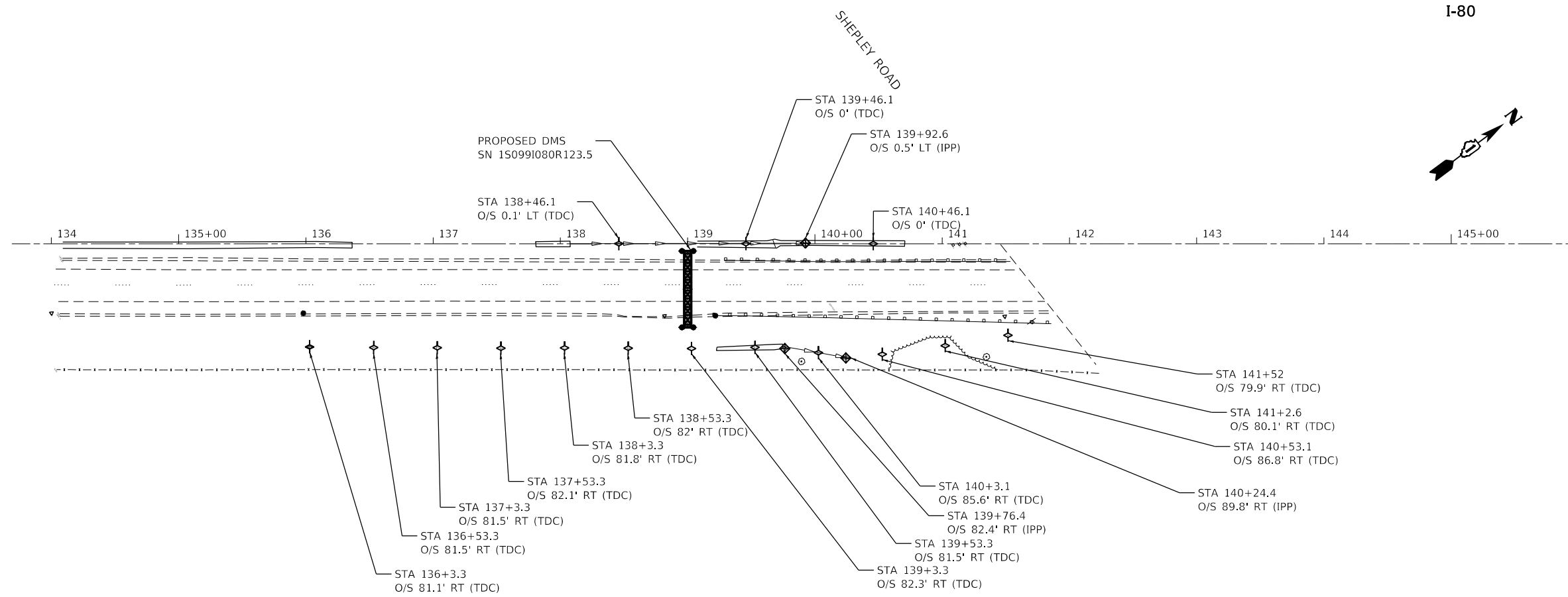
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
SOUTHBOUND I-55 AT HARRIS DR.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62066			ILLINOIS FED. AID PROJECT	

FILE NAME = G:\Engineering\LiveProjects\13038 IDOT DURWork Order 16-62066\CADD\CADD Sheets\Civil\162066-sh-EROS 180-Shepley Rd.dgn



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ◇ TEMPORARY DITCH CHECKS (TDC)

• I-55, I-80 & I-290



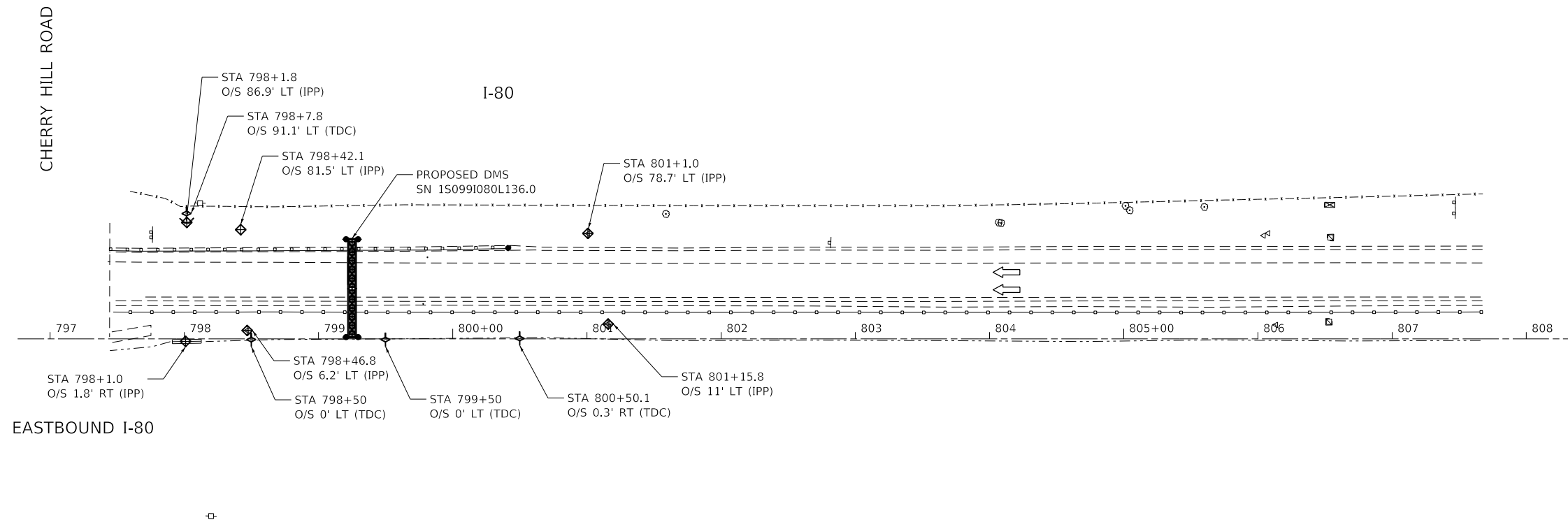
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
EASTBOUND I-80 AT WEST OF SHEPLEY RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	35
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ⚡ TEMPORARY DITCH CHECKS (TDC)

• I-55, I-80 & I-290

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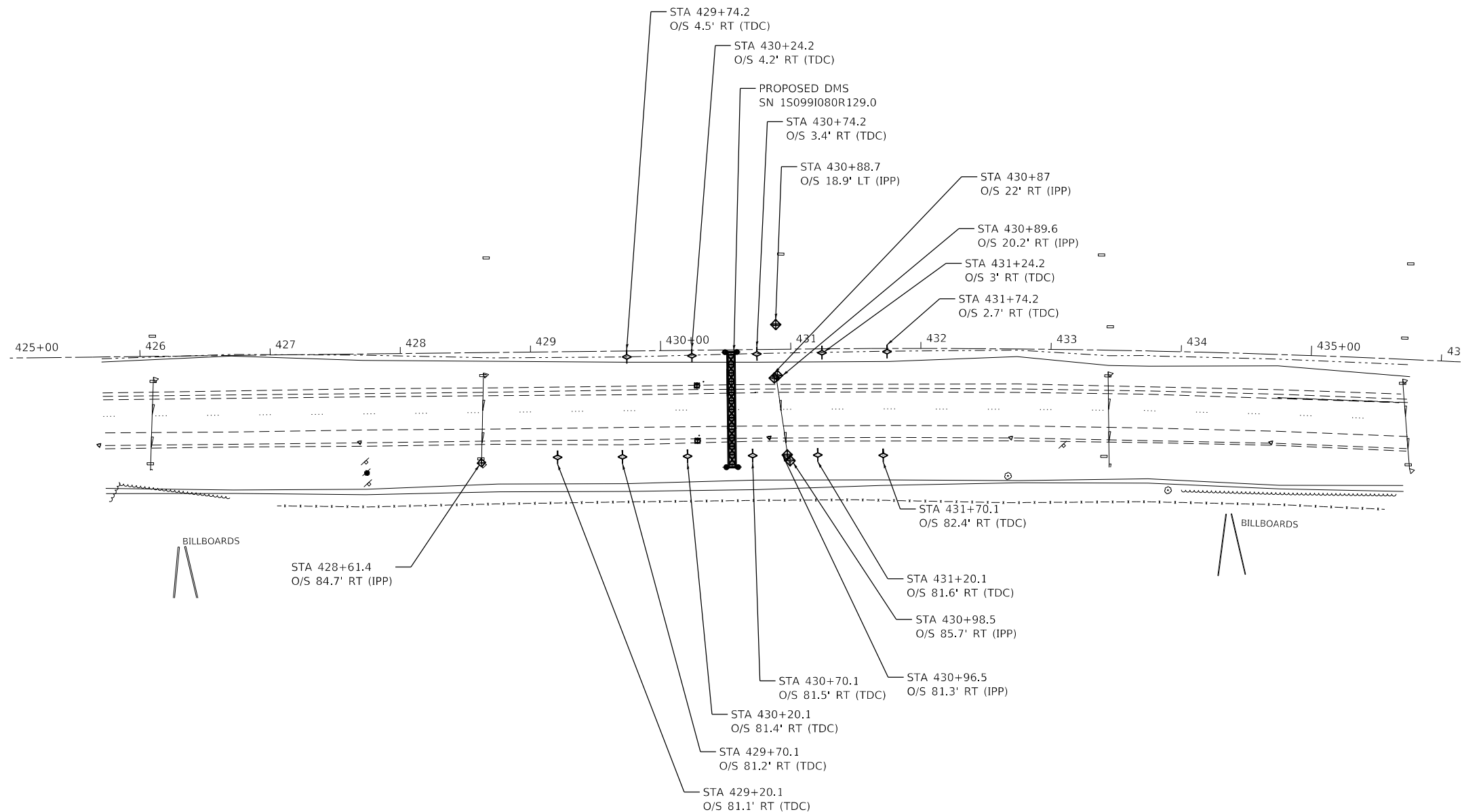
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
WESTBOUND I-80 AT CHERRY HILL
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	36
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ⊕ TEMPORARY DITCH CHECKS (TDC)

• I-55, I-80 & I-290

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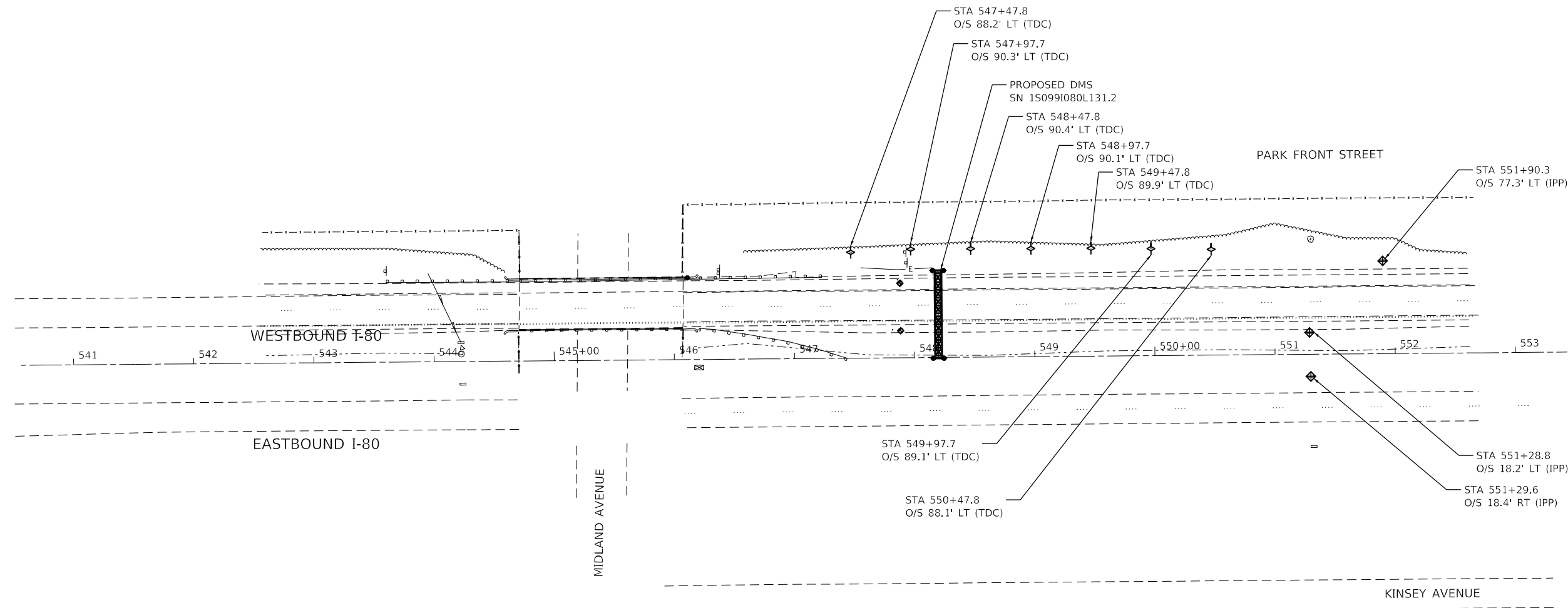
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
EASTBOUND I-80 WEST OF LARKIN
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	37
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\13038 IDOT DUR\Work Order 16-62066\CADD\CADD Sheets\Civil\162066-shr-EROS 180-Larkin-East.dgn



LEGEND

- PERIMETER EROSION BARRIER (PEB)
- INLET & PIPE PROTECTION (IPP)
- TEMPORARY DITCH CHECKS (TDC)

• I-55, I-80 & I-290



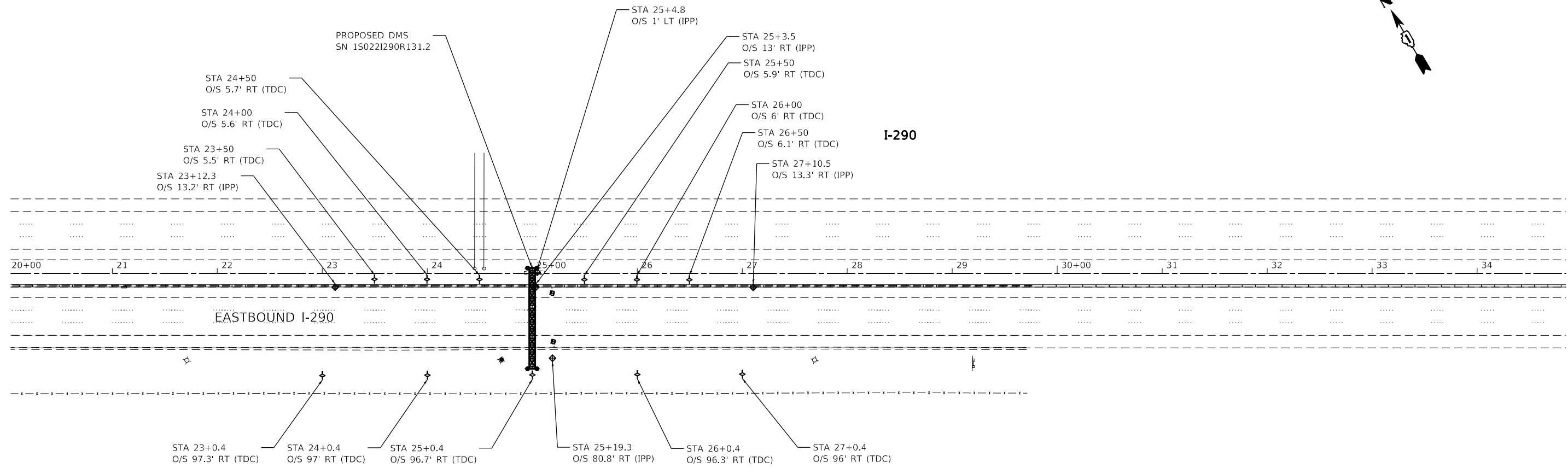
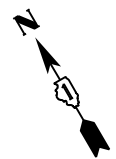
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
EASTBOUND I-80 EAST OF LARKIN
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	38
			CONTRACT NO. 62066	
ILLINOIS FED. AID PROJECT				



LEGEND

- ◆ INLET AND PIPE PROTECTION (IPP)
- ⚡ TEMPORARY DITCH CHECKS (TDC)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

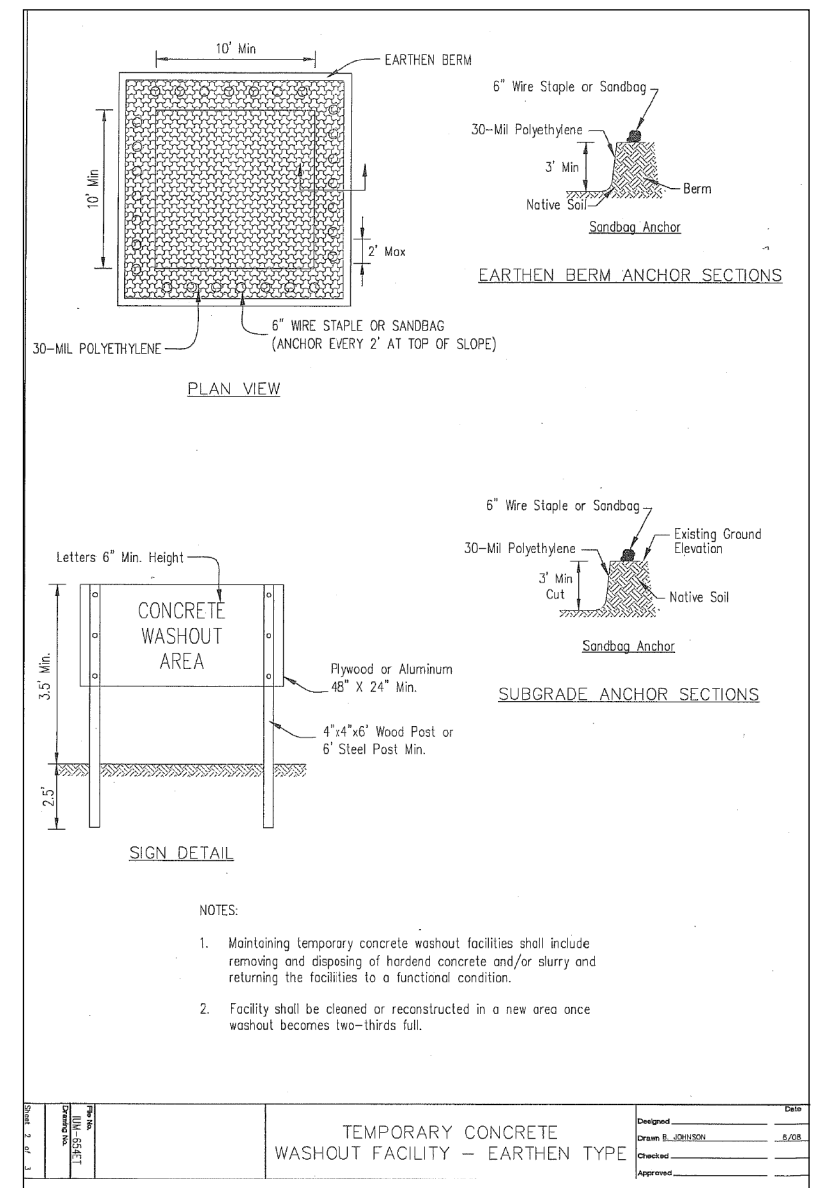
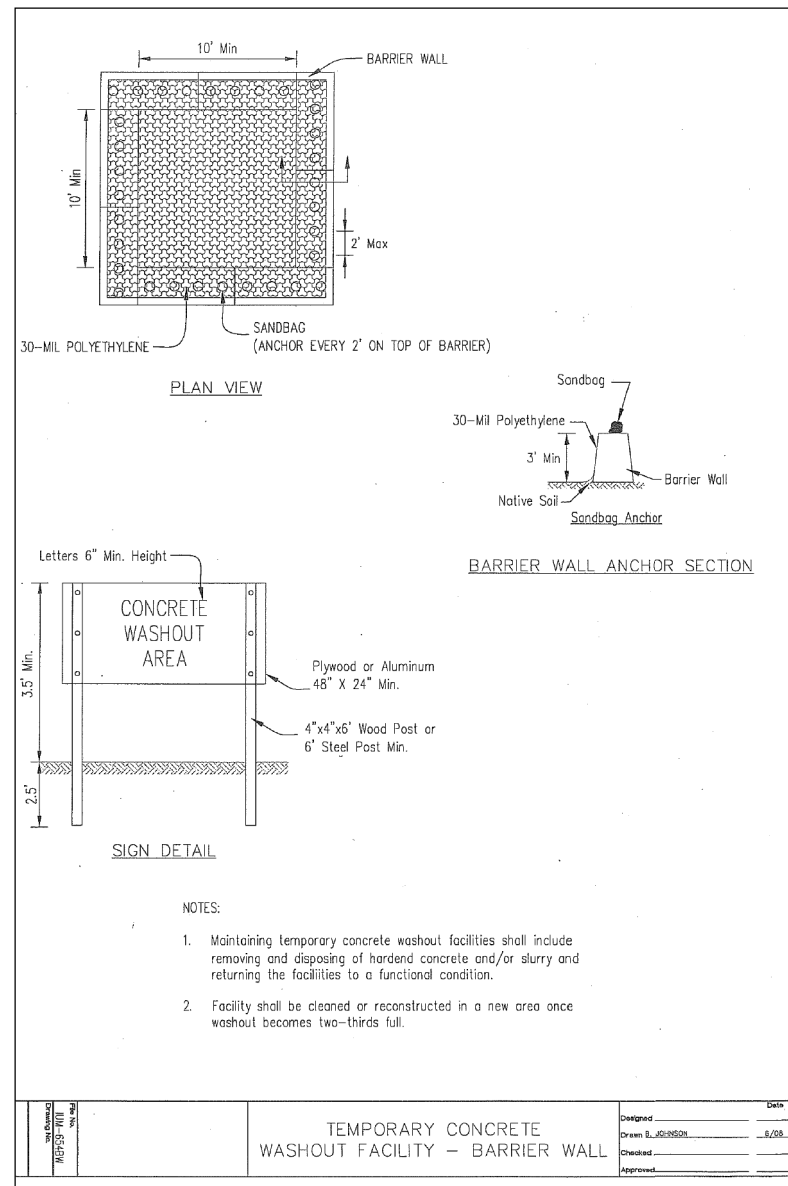
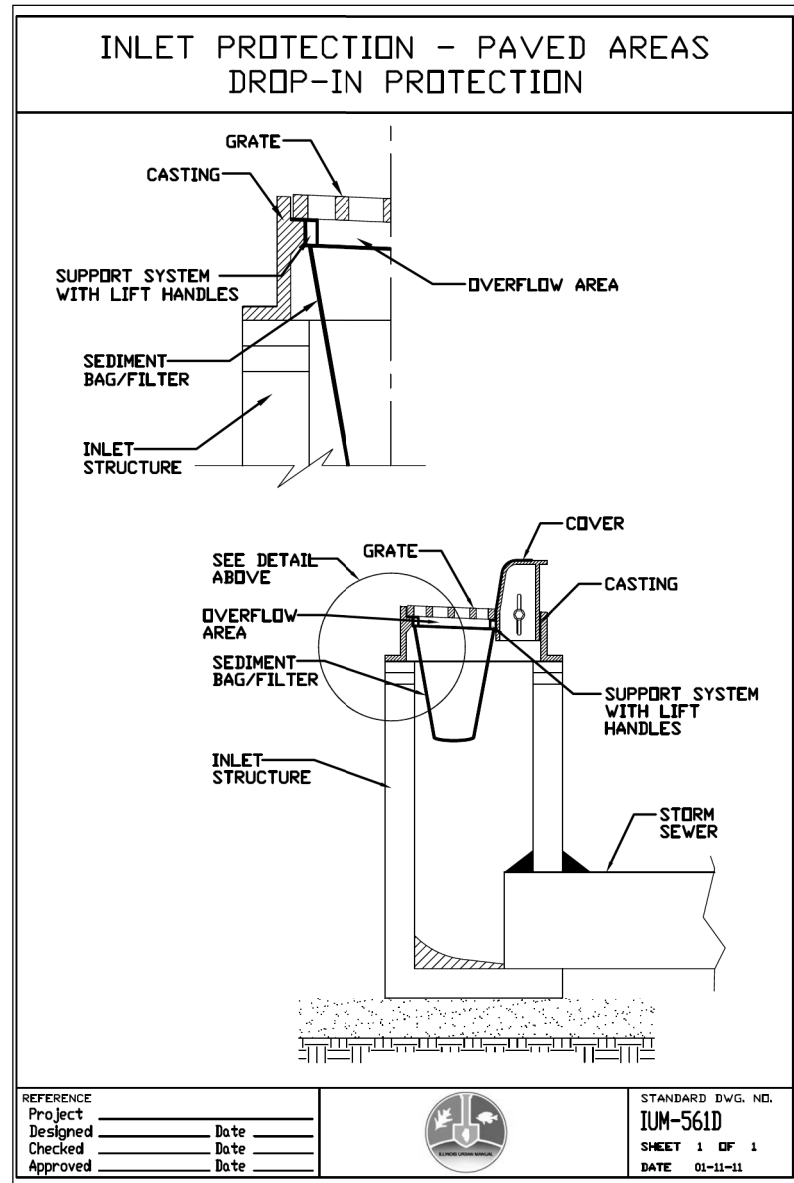
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EASTBOUND I-290 AT MILL RD.
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	39
			CONTRACT NO. 62666	
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

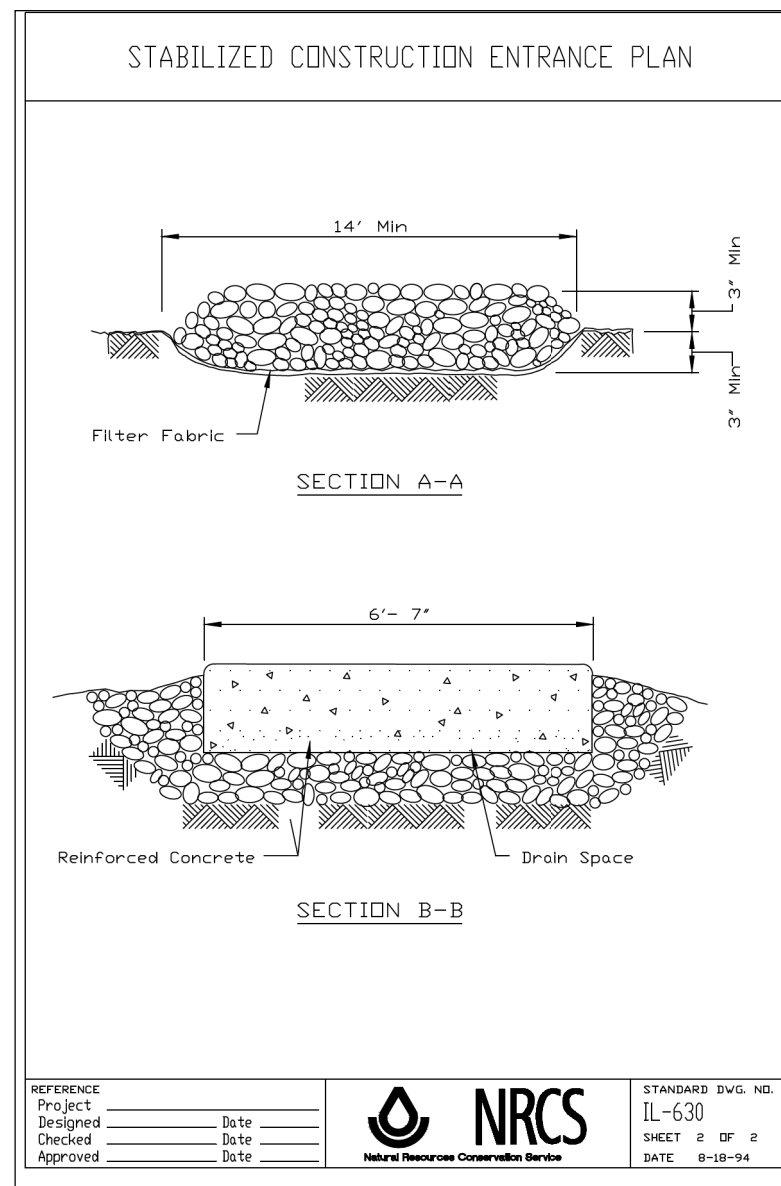
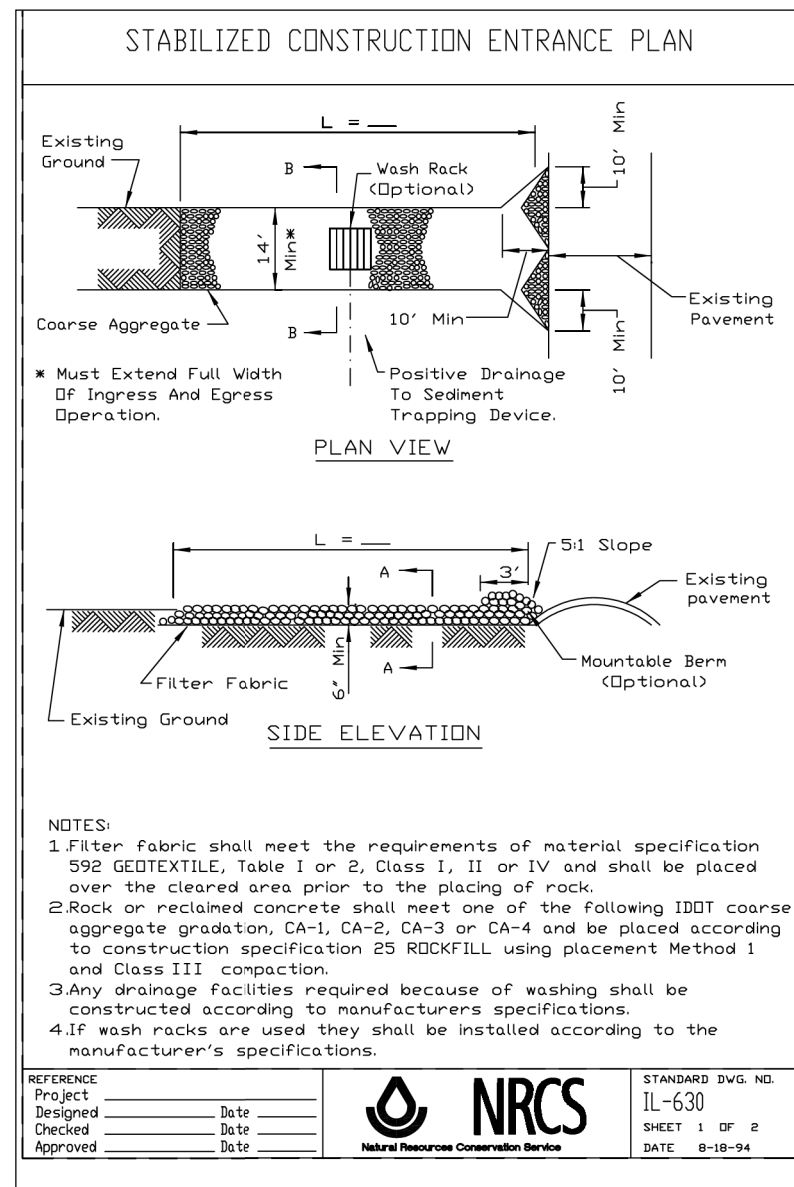
**EROSION AND SEDIMENT CONTROL DETAILS
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290

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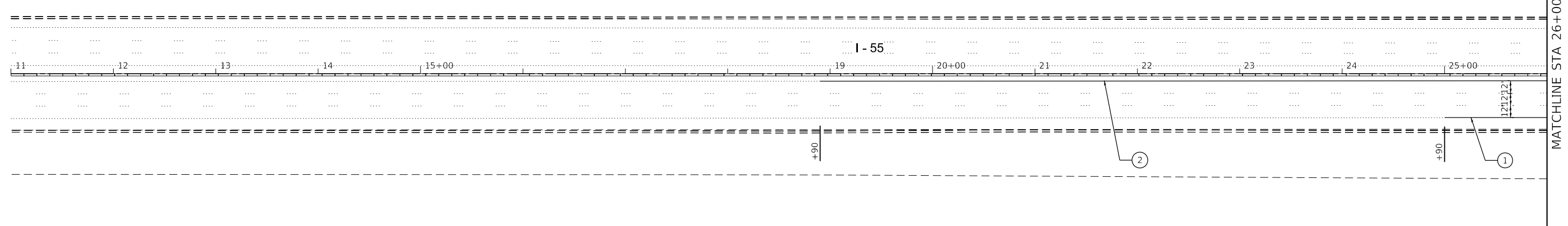
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS II
I-55, I-80 AND I-290 DMS INSTALLATION**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

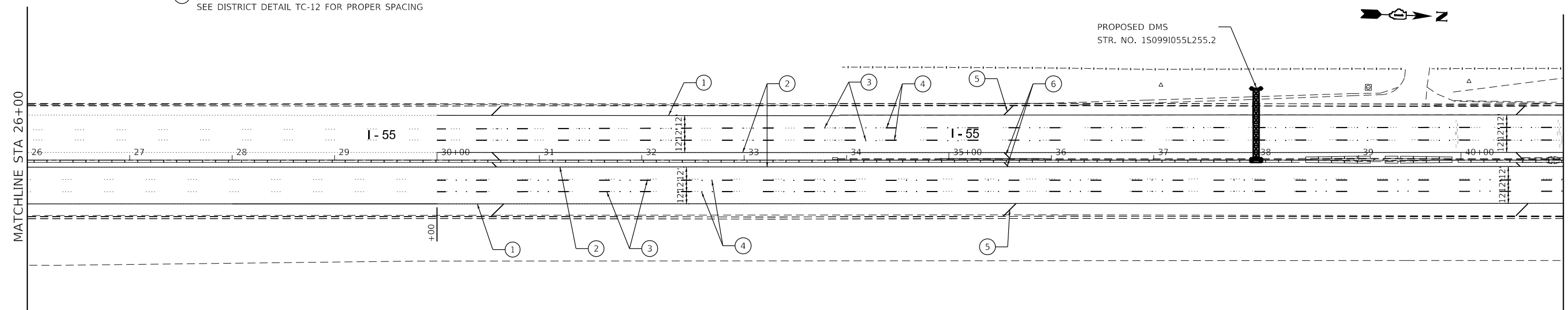
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*	2018-024-I	WILL/DUPAGE	177	41
CONTRACT NO. 62666				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290



PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5" (WHITE SKIP DASH, 10' LINE 30' SPACE)
- ④ PROP. RAISED REFLECTIVE PAVEMENT MARKER REPLACEMENT REFLECTOR
- ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS), SEE DISTRICT DETAIL TC-12 FOR PROPER SPACING
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS), SEE DISTRICT DETAIL TC-12 FOR PROPER SPACING



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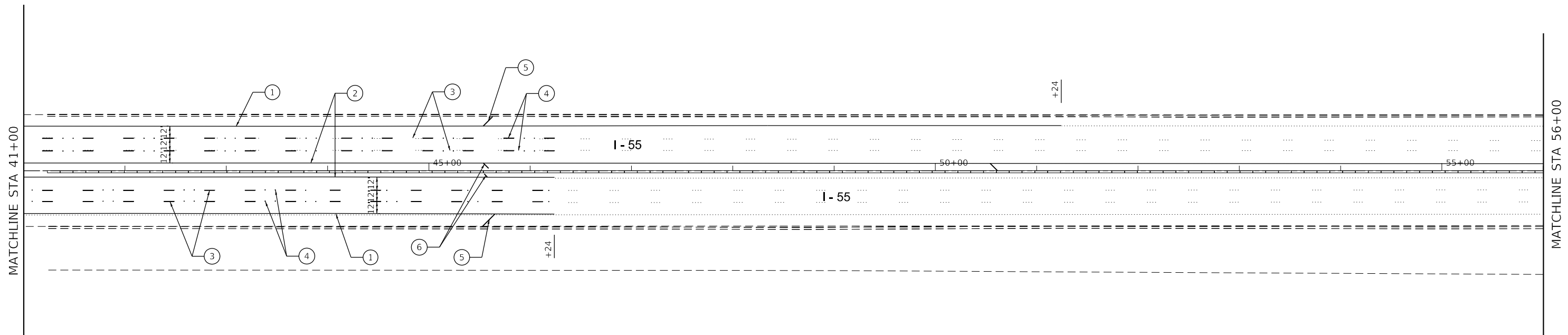
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS SOUTHBOUND I-55 AT HARRIS DR. I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

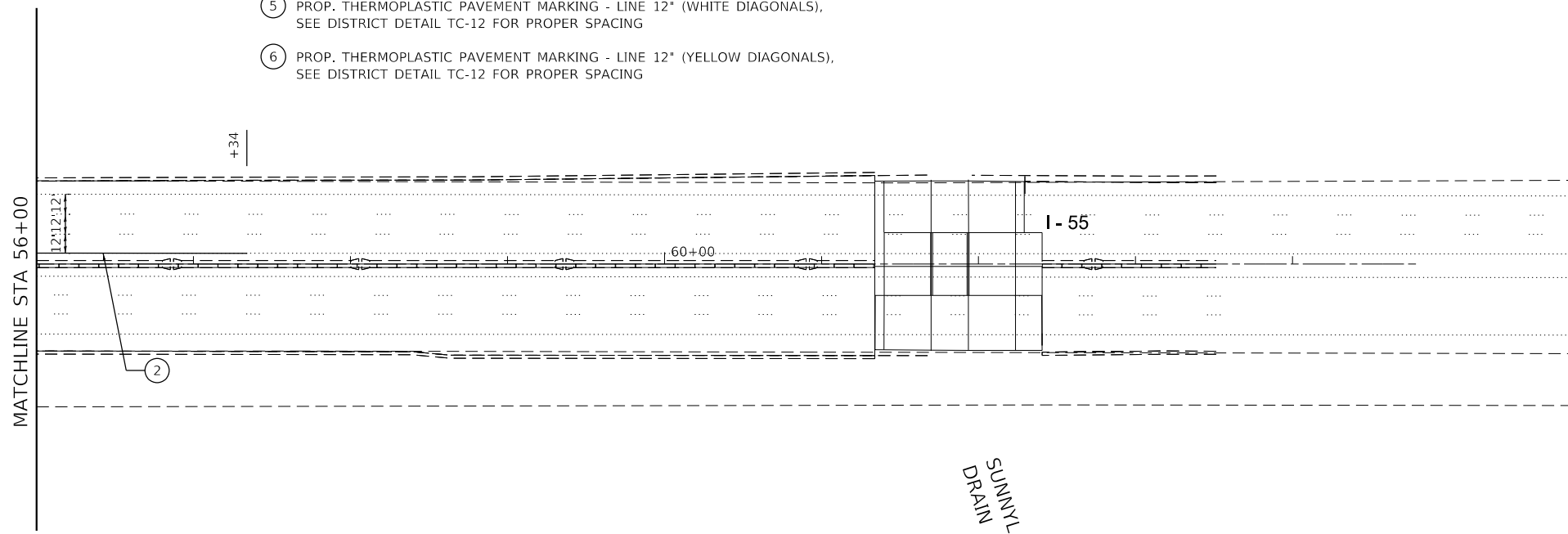
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*	2018-024-1	WILL/DUPAGE	177	42
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				

• I-55, I-80 & I-290



PAVEMENT MARKING LEGEND

- ① PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ② PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ③ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5" (WHITE SKIP DASH, 10' LINE 30' SPACE)
- ④ PROP. RAISED REFLECTIVE PAVEMENT MARKER REPLACEMENT REFLECTOR
- ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS), SEE DISTRICT DETAIL TC-12 FOR PROPER SPACING
- ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONALS), SEE DISTRICT DETAIL TC-12 FOR PROPER SPACING



SUNNYLAND
DRAIN

• I-55, I-80 & I-290

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS-II SOUTHBOUND I-55 AT HARRIS DR. I-55, I-80 AND I-290 DMS INSTALLATION			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	43
CONTRACT NO. 62066				
ILLINOIS FED. AID PROJECT				



























GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.
2. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3. 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.
4. THE CONTRACTOR WILL CONTACT THE DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATING UTILITIES IN WILL COUNTY AND DUPAGE COUNTY.
5. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
6. THE CONTRACTOR SHALL PROVIDE THE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03 UNLESS SPECIFIED OTHERWISE. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.05.
7. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
8. 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.
9. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
10. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 30 INCHES MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES AND STRUCTURES.
11. 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.
12. REINFORCEMENT BARS SHALL BE EPOXY COATED.
13. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
14. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FROM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
15. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF CABINETS AND FIBER OPTIC CABLE PRIOR TO BIDDING THE JOB.
16. THE CONTRACTOR SHALL EXERCISE CARE WITH THE INSTALLATION OF UNDERGROUND EQUIPMENT AS THERE MAY BE EXISTING PRIVATELY OWNED FACILITIES WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY UTILITIES IN THE WORK ZONE AND REQUEST UTILITY LOCATES.
17. THE ELECTRICAL MAINTENANCE CONTRACTOR (EMC) SHALL BE CONTACTED FOR EXISTING STATE OWNED FACILITIES LOCATES.
18. ALL UNDERGROUND RACEWAYS SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-INCHES.
19. THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER EXISTING FACILITIES BEFORE INSTALLING DUCTS, CONDUIT AND CABLES.

ABBREVIATIONS AND ACRONYMS

NOTATION	DESCRIPTION
(A)	ABANDON
ALUM	ALUMINUM
ATS	ATTACHED TO STRUCTURE
CAT-6	CATEGORY 6
CCH	CONNECTOR CLOSET HOUSING
CCTV	CLOSED CIRCUIT TELEVISION
CHH	COMMUNICATIONS HANDHOLE
CMS	CHANGEABLE MESSAGE SIGN (REVLAC)
CMV	COMMUNICATIONS VAULT
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATIONS
DCF	DISTRIBUTION CABLE FIBER (ASSET IDENTIFICATION TAG)
DIA.	DIAMETER
DMS	DYNAMIC MESSAGE SIGN
EB	EASTBOUND
ECC	ELECTRICAL CABLE IN CONDUIT
EHH	ELECTRICAL HANDHOLE
ELEC	ELECTRICAL
EMC	ELECTRICAL MAINTENANCE CONTRACTOR
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
EOT	EDGE OF TRAVEL WAY
(E)	EXISTING
FO	FIBER OPTIC
FOC	FIBER OPTIC CABLE
FT.	FEET
GND	GROUND
(GRN)	GREEN
GS	GALVANIZED STEEL
HD	HEAVY-DUTY
HDHH	HEAVY-DUTY HANDHOLE
HH	HANDHOLE
(I)	INSTALL
IN.	INCHES
IP	INTERNET PROTOCOL
ITS	INTELLIGENT TRANSPORTATION SYSTEMS
LCF	LATER CABLE FIBER (ASSET IDENTIFICATION TAG)
LED	LIGHT-EMITTING DIODE
LT	LEFT
MM	MULTIMODE
MOT	MANITENANCE OF TRAFFIC
NEC	NATIONAL ELECTRICAL CODE
NB	NORTHBOUND
PGSC	PVC COATED GALVANIZED STEEL CONDUIT
PTZ	PAN TILT ZOOM CAMERA
(R)	REMOVE
RGSC	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT-OF-WAY
SFP	SMALL FORM-FACTOR PLUGGABLE (FIBER OPTIC TRANSCEIVER)
SM	SINGLE MODE
SB	SOUTHBOUND
S.P.	SPECIAL PROVISION
SS	STAINLESS STEEL
SSC	STAINLESS STEEL CONDUIT
STA.	STATION
TCF	TRUNK CABLE FIBER (ASSET IDENTIFICATION TAG)
TEMP	TEMPORARY
WB	WESTBOUND

LEGEND

-  HEAVY DUTY HANDHOLE (ELECTRICAL)
-  EXISTING HEAVY DUTY HANDHOLE (ELECTRICAL)
-  PROPOSED JUNCTION BOX ATTACHED TO STRUCTURE
-  EXISTING HEAVY DUTY HANDHOLE (COMMUNICATIONS)
-  HEAVY DUTY HANDHOLE (COMMUNICATIONS)
-  COMMUNICATIONS VAULT
-  EXISTING COMMUNICATIONS VAULT
-  EXISTING LIGHTING CONTROLLER
-  PROPOSED DMS CONTROL CABINET
-  PROPOSED CCTV CABINET
-  EXISTING CABINET
-  PROPOSED BLUETOOTH DETECTOR
-  REMOVE EXISTING BLUETOOTH DETECTOR
-  TRANSFORMER
-  DISCONNECT SWITCH
-  GROUND GRID
-  PROPOSED FIBER OPTIC CABLE AS NOTED ON PLANS
-  EXISTING AERIAL FIBER OPTIC CABLE
-  ELECTRIC CABLE IN CONDUIT, SIZE AND TYPE AS NOTED
-  CONDUIT ATTACHED TO STRUCTURE, SIZE AND TYPE AS NOTED
-  UNDERGROUND CONDUIT
-  PROPOSED CCTV CAMERA
-  PROPOSED DMS SIGN ON PROPOSED STRUCTURE
-  50' CCTV CAMERA POLE
-  PROPOSED ELECTRIC UTILITY SERVICE POLE
-  PROPOSED ELECTRICAL SERVICE PEDESTAL WITH METER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS GENERAL NOTES, LEGENDS, AND
ABBREVIATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	44
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-01

*I-55, I-80, & I-290

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QTY	DMS I-80 EB, MP 123.5 WEST OF SHEPLEY ROAD	DMS I-80 EB, MP 129 WEST OF LARKIN AVE	DMS I-80 EB, MP 131.2 EAST OF LARKIN AVE	DMS I-80 EB, MP 247.5 AT WEST SUMMIT RD	DMS I-55 SB, MP 255.2 AT HARRIS DR	DMS I-290 EB, MP 8.0 AT MILL ROAD	DMS I-80 WB, MP 136 AT CHERRY HILL ROAD	FIBER BACKBONE	BLUETOOTH DEVICES	CAMERAS
80400100	ELECTRIC SERVICE INSTALLATION	EACH	6	1	1	1	1	1	-	1	-	-	-
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0.17	0.17	0.17	0.17	0.17	-	0.17	-	-	-
81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	8521	280	215	277	300	279	310	285	-	-	6575
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	6635	265	4531	170	172	216	1163	118	-	-	-
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	4380	355	280	344	485	355	1431	348	-	-	782
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1583	-	-	-	29	29	230	-	903	-	392
81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	1090	-	-	-	-	-	-	-	1090	-	-
81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	15	2	2	2	2	2	2	2	-	-	1
81300960	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 42" X 36" X 12"	EACH	14	-	-	-	-	-	-	-	14	-	-
81400200	HEAVY-DUTY HANDHOLE	EACH	29	1	8	1	1	1	2	1	-	-	14
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	26344	860	660	845	936	861	957	870	-	-	20355
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	358	64	71	51	46	58	32	36	-	-	-
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3283	433	243	301	310	434	1346	216	-	-	-
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	9834	725	4706	447	513	597	2474	372	-	-	-
81702190	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	9328	-	9328	-	-	-	-	-	-	-	-
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	28	-	-	-	-	-	-	-	-	28	-
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	28	-	-	-	-	-	-	-	-	28	-
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	9	-	-	-	-	-	-	-	-	9	-
84200804	REMOVAL OF POLE FOUNDATION	EACH	9	-	-	-	-	-	-	-	-	9	-
89500510	CABINET HOUSING EQUIPMENT REMOVAL	EACH	4	-	-	-	-	-	-	-	-	4	-
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	-	-	-	-	-	-	-	-	4	-
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	11	1	1	1	1	1	1	1	-	-	4
X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	7	1	1	1	1	1	1	1	-	-	-
X0323917	CABINET, MODEL 334	EACH	7	1	1	1	1	1	1	1	-	-	-
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	11	1	1	1	1	1	1	1	-	-	4
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	4433	358	280	344	485	355	1431	398	-	-	782
X0326465	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM	L SUM	1	-	-	-	-	-	-	-	-	1	1
X0326944	ATMS INTEGRATION	L SUM	1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-	-	-
X0326945	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	11	1	1	1	1	1	1	1	-	-	4
X0326949	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE FOUNDATION, 30" DIAMETER	FOOT	99	9	9	9	9	9	9	9	-	-	36
X0326952	STEP-DOWN TRANSFORMER	EACH	1	-	-	-	-	-	-	1	-	-	-
X0327206	DATA SERVER	L SUM	1	-	-	-	-	-	-	-	-	1	-
X0327566	ROADSIDE DETECTOR	EACH	28	-	-	-	-	-	-	-	-	28	-
X0327604	CONCRETE FOUNDATION, SURVEILLANCE CABINET MODEL 334	EACH	11	1	1	1	1	1	1	1	-	-	4
X0328502	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 50 FT. MOUNTING HEIGHT	EACH	11	1	1	1	1	1	1	1	-	-	4
X1011311	DMS WI NTCIP 1203	EACH	7	1	1	1	1	1	1	1	-	-	-
X1400217	TERMINATE FIBER IN CABINET	EACH	14	2	2	2	2	2	2	2	-	-	-
X1400219	SPLICE FIBER IN CABINET	EACH	14	2	2	2	2	2	2	2	-	-	-
X1400301	FIBER OPTIC CABLE, MICRO, 96 FIBERS, SINGLE MODE	FOOT	9818	-	-	-	-	-	-	-	9818	-	-
X1400302	FIBER OPTIC CABLE, MICRO, 144 FIBERS, SINGLE MODE	FOOT	95634	-	-	-	-	-	-	-	95306	-	328
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	49989	-	-	-	-	-	-	-	49825	-	164
X8300001	LIGHT POLE, SPECIAL	EACH	28	-	-	-	-	-	-	-	-	28	-
X8570100	DISCONNECT SWITCH	EACH	2	-	1	-	-	-	1	-	-	-	-
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	5120	454	380	394	585	455	1631	439	-	-	782
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	2	-	-	-	-	-	-	1	-	-	1
Z0033052	COMMUNICATIONS VAULT	EACH	69	1	1	1	1	1	1	1	60	-	2

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ITS-02

*I-55, I-80, & I-290



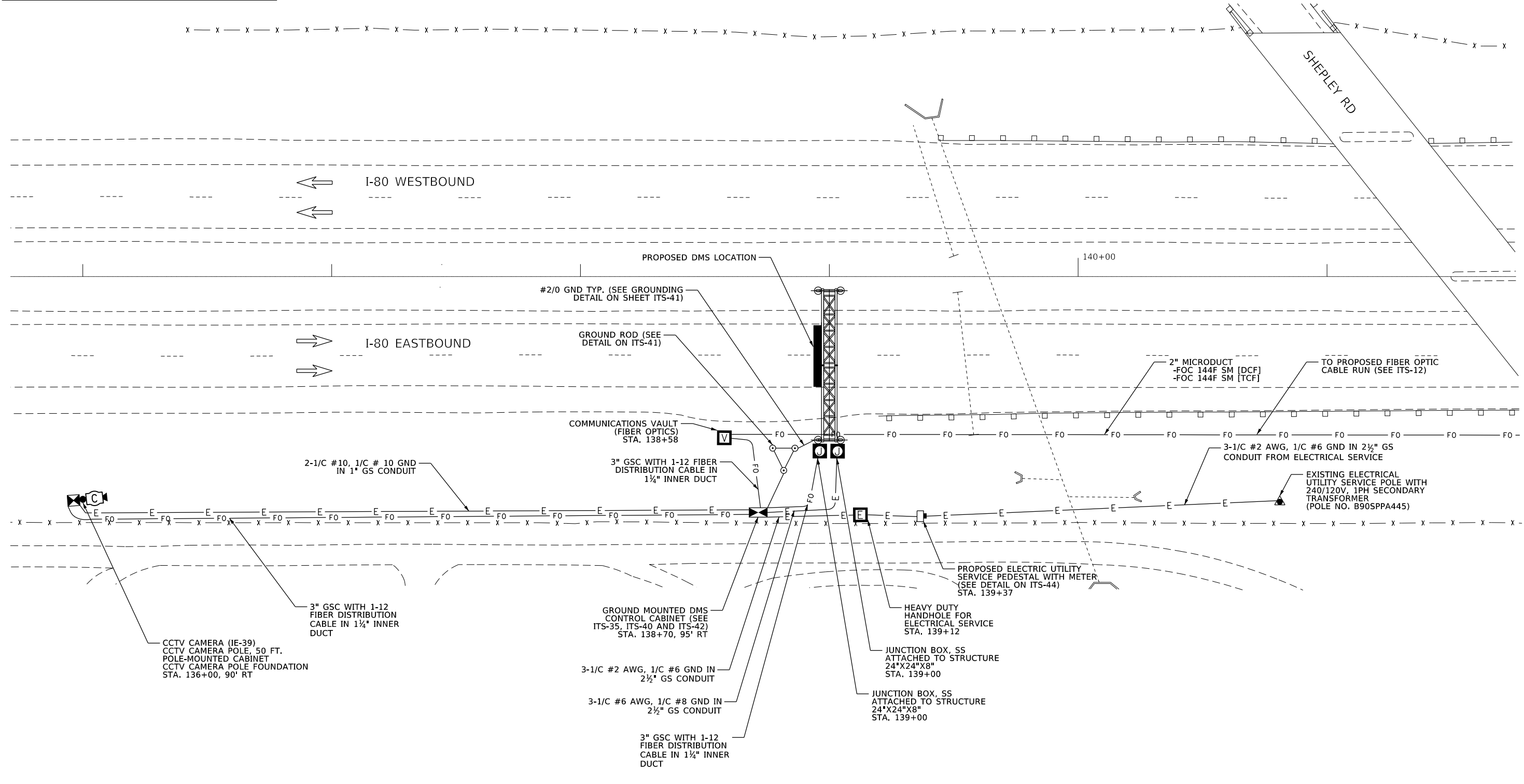
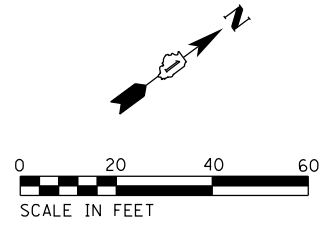
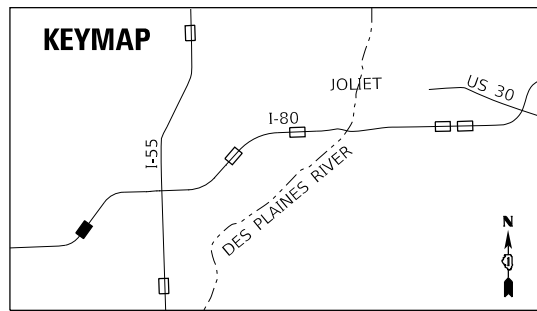
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF ITS QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	45
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	



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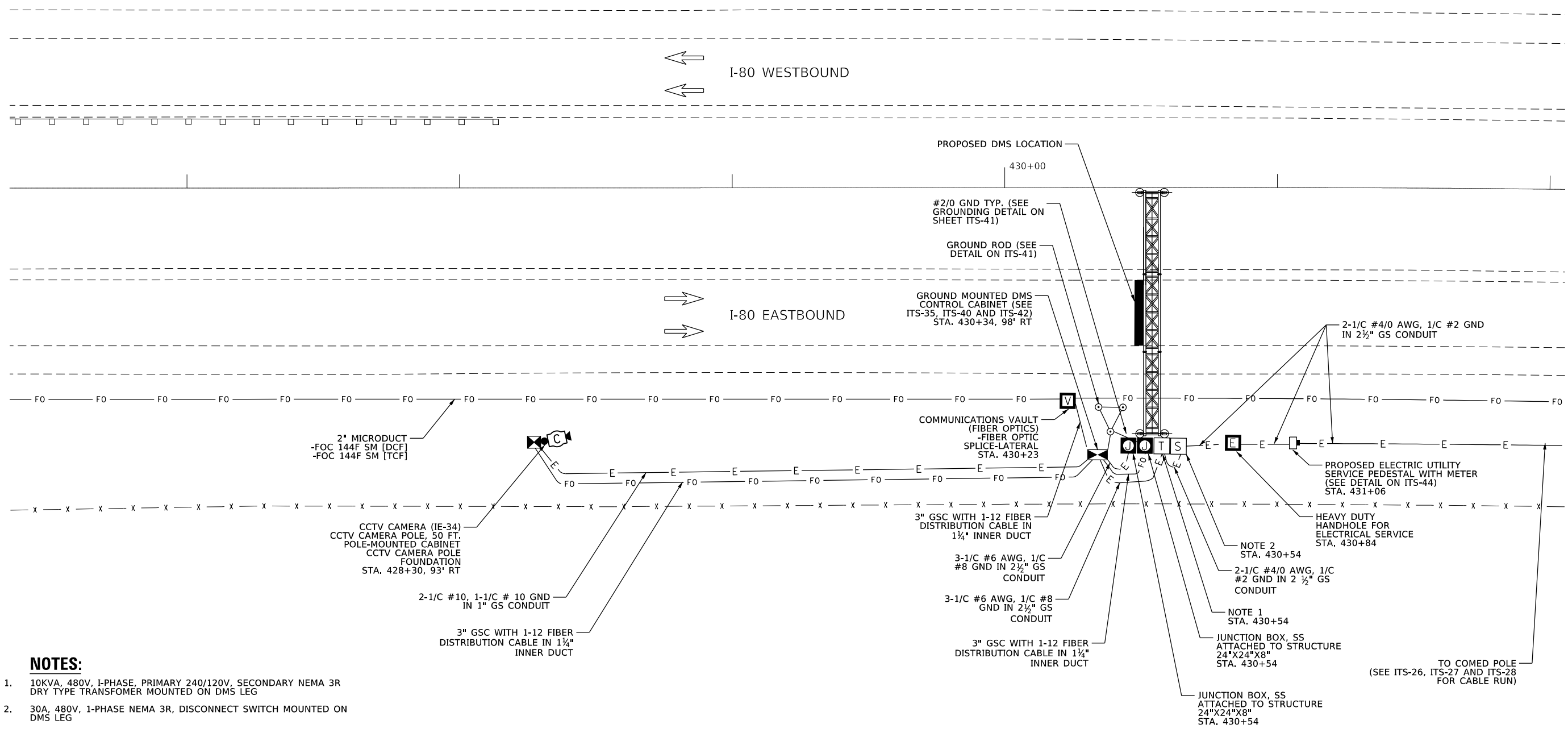
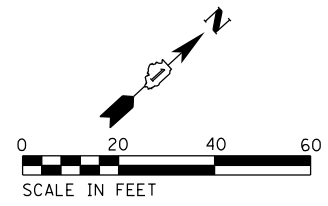
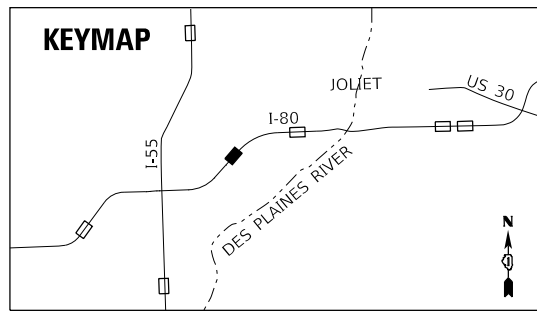
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DYNAMIC MESSAGE SIGN SITE PLAN,
I-80 EB, MP 123.5 WEST OF SHEPLEY ROAD**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	46
WILL/DUPAGE			CONTRACT NO. 62G66	
ILLINOIS		FED. AID PROJECT		

ITS-03
*I-55, I-80, & I-290



NOTES:

- 10KVA, 480V, 1-PHASE, PRIMARY 240/120V, SECONDARY NEMA 3R DRY TYPE TRANSFORMER MOUNTED ON DMS LEG
- 30A, 480V, 1-PHASE NEMA 3R, DISCONNECT SWITCH MOUNTED ON DMS LEG

2" MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]

CCTV CAMERA (IE-34)
CCTV CAMERA POLE, 50 FT.
POLE-MOUNTED CABINET
CCTV CAMERA POLE
FOUNDATION
STA. 428+30, 93' RT

2-1/C #10, 1-1/C # 10 GND
IN 1" GS CONDUIT

3" GSC WITH 1-12 FIBER
DISTRIBUTION CABLE IN 1 1/4"
INNER DUCT

PROPOSED DMS LOCATION
430+00

#2/0 GND TYP. (SEE
GROUNDING DETAIL ON
SHEET ITS-41)

GROUND ROD (SEE
DETAIL ON ITS-41)

GROUND MOUNTED DMS
CONTROL CABINET (SEE
ITS-35, ITS-40 AND ITS-42)
STA. 430+34, 98' RT

COMMUNICATIONS VAULT
(FIBER OPTICS)
-FIBER OPTIC
SPLICE-LATERAL
STA. 430+23

3" GSC WITH 1-12 FIBER
DISTRIBUTION CABLE IN
1 1/4" INNER DUCT

3-1/C #6 AWG, 1/C
#8 GND IN 2 1/2" GS
CONDUIT

3-1/C #6 AWG, 1/C #8
GND IN 2 1/2" GS
CONDUIT

3" GSC WITH 1-12 FIBER
DISTRIBUTION CABLE IN 1 1/4"
INNER DUCT

JUNCTION BOX, SS
ATTACHED TO STRUCTURE
24"X24"X8"
STA. 430+54

JUNCTION BOX, SS
ATTACHED TO STRUCTURE
24"X24"X8"
STA. 430+54

2-1/C #4/0 AWG, 1/C
#2 GND IN 2 1/2" GS
CONDUIT

NOTE 1
STA. 430+54

NOTE 2
STA. 430+54

PROPOSED ELECTRIC UTILITY
SERVICE PEDESTAL WITH METER
(SEE DETAIL ON ITS-44)
STA. 431+06

HEAVY DUTY
HANDHOLE FOR
ELECTRICAL SERVICE
STA. 430+84

2-1/C #4/0 AWG, 1/C #2 GND
IN 2 1/2" GS CONDUIT

TO COMED POLE
(SEE ITS-26, ITS-27 AND ITS-28
FOR CABLE RUN)

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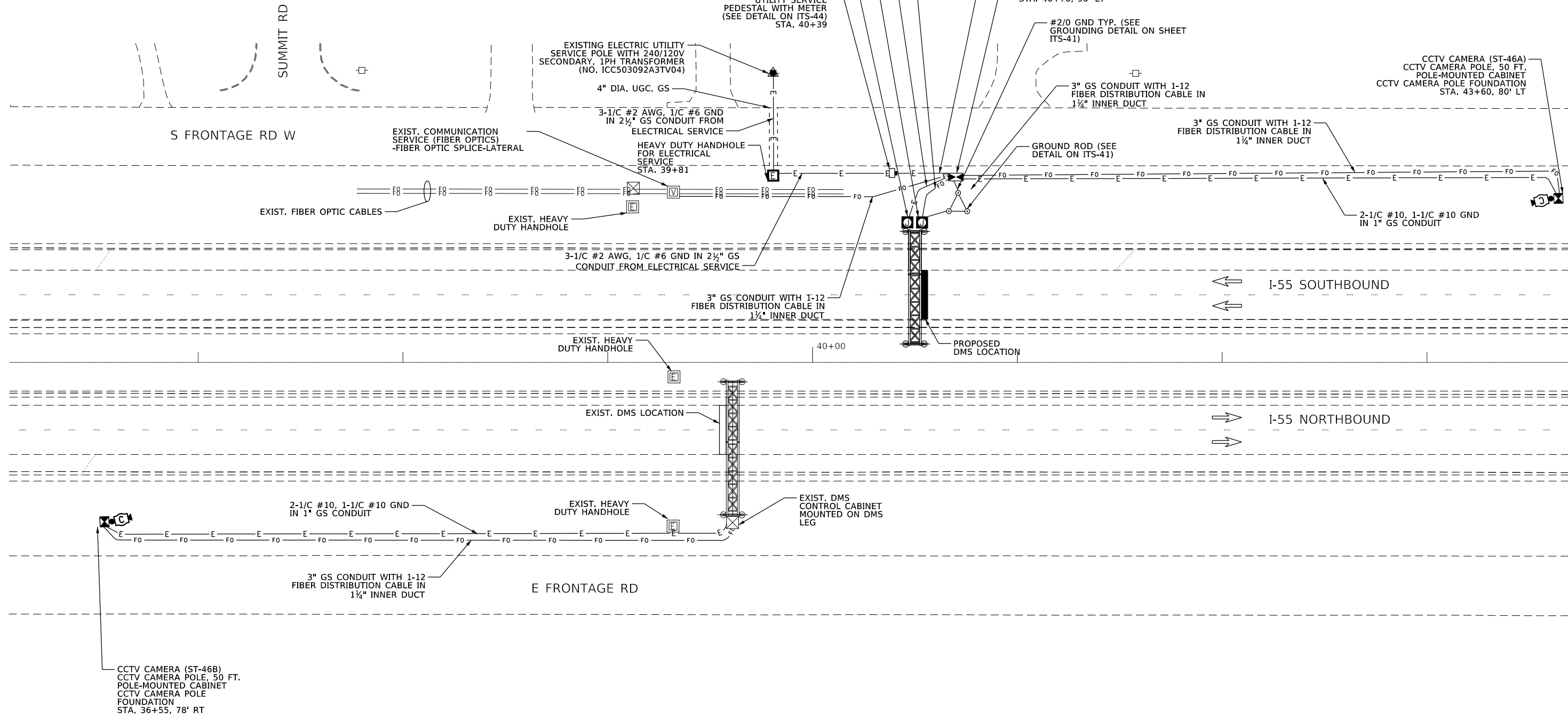
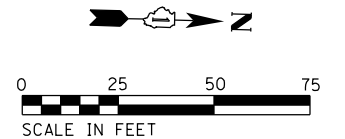
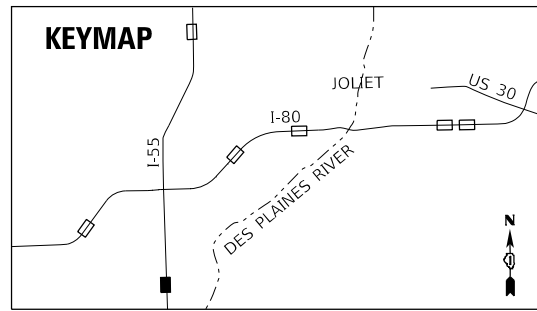
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DYNAMIC MESSAGE SIGN SITE PLAN,
I-80 EB, MP 129, WEST OF LARKIN AVE**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	47
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-04
*I-55, I-80, & I-290



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

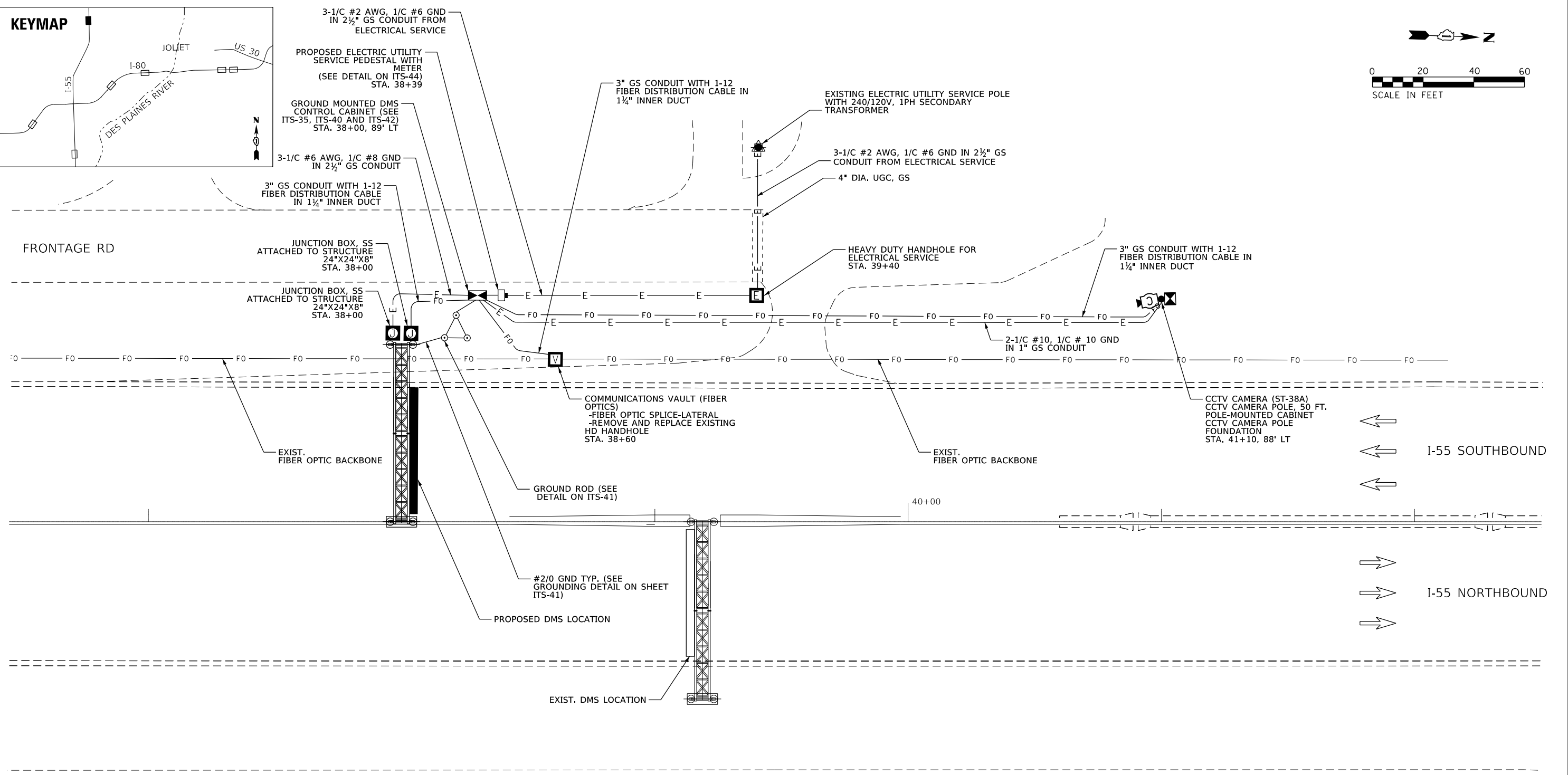
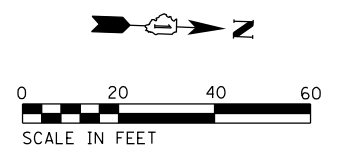
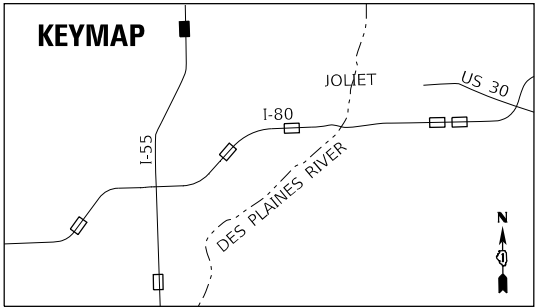
**DYNAMIC MESSAGE SIGN SITE PLAN,
I-55 SB, MP 247.5 AT WEST SUMMIT RD**

SCALE: 1"=25' SHEET ___ OF ___ SHEETS STA. ___ TO STA. ___

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-06
*I-55, I-80, & I-290

KEYMAP



3-1/C #2 AWG, 1/C #6 GND
IN 2 1/2" GS CONDUIT FROM
ELECTRICAL SERVICE

PROPOSED ELECTRIC UTILITY
SERVICE PEDESTAL WITH
METER
(SEE DETAIL ON ITS-44)
STA. 38+39

GROUND MOUNTED DMS
CONTROL CABINET (SEE
ITS-35, ITS-40 AND ITS-42)
STA. 38+00, 89' LT

3-1/C #6 AWG, 1/C #8 GND
IN 2 1/2" GS CONDUIT

3" GS CONDUIT WITH 1-12
FIBER DISTRIBUTION CABLE IN
1 1/4" INNER DUCT

3" GS CONDUIT WITH 1-12
FIBER DISTRIBUTION CABLE IN
1 1/4" INNER DUCT

EXISTING ELECTRIC UTILITY SERVICE POLE
WITH 240/120V, 1PH SECONDARY
TRANSFORMER

3-1/C #2 AWG, 1/C #6 GND IN 2 1/2" GS
CONDUIT FROM ELECTRICAL SERVICE

4" DIA. UGC, GS

JUNCTION BOX, SS
ATTACHED TO STRUCTURE
24"X24"X8"
STA. 38+00

JUNCTION BOX, SS
ATTACHED TO STRUCTURE
24"X24"X8"
STA. 38+00

HEAVY DUTY HANDHOLE FOR
ELECTRICAL SERVICE
STA. 39+40

3" GS CONDUIT WITH 1-12
FIBER DISTRIBUTION CABLE IN
1 1/4" INNER DUCT

2-1/C #10, 1/C # 10 GND
IN 1" GS CONDUIT

COMMUNICATIONS VAULT (FIBER
OPTICS)
-FIBER OPTIC SPLICE-LATERAL
-REMOVE AND REPLACE EXISTING
HD HANDHOLE
STA. 38+60

CCTV CAMERA (ST-38A)
CCTV CAMERA POLE, 50 FT.
POLE-MOUNTED CABINET
CCTV CAMERA POLE
FOUNDATION
STA. 41+10, 88' LT

EXIST.
FIBER OPTIC BACKBONE

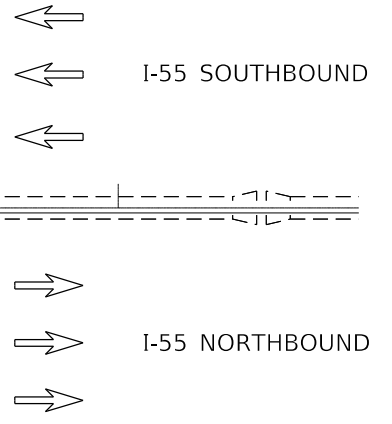
EXIST.
FIBER OPTIC BACKBONE

GROUND ROD (SEE
DETAIL ON ITS-41)

#2/0 GND TYP. (SEE
GROUNDING DETAIL ON SHEET
ITS-41)

PROPOSED DMS LOCATION

EXIST. DMS LOCATION



MODEL: Default
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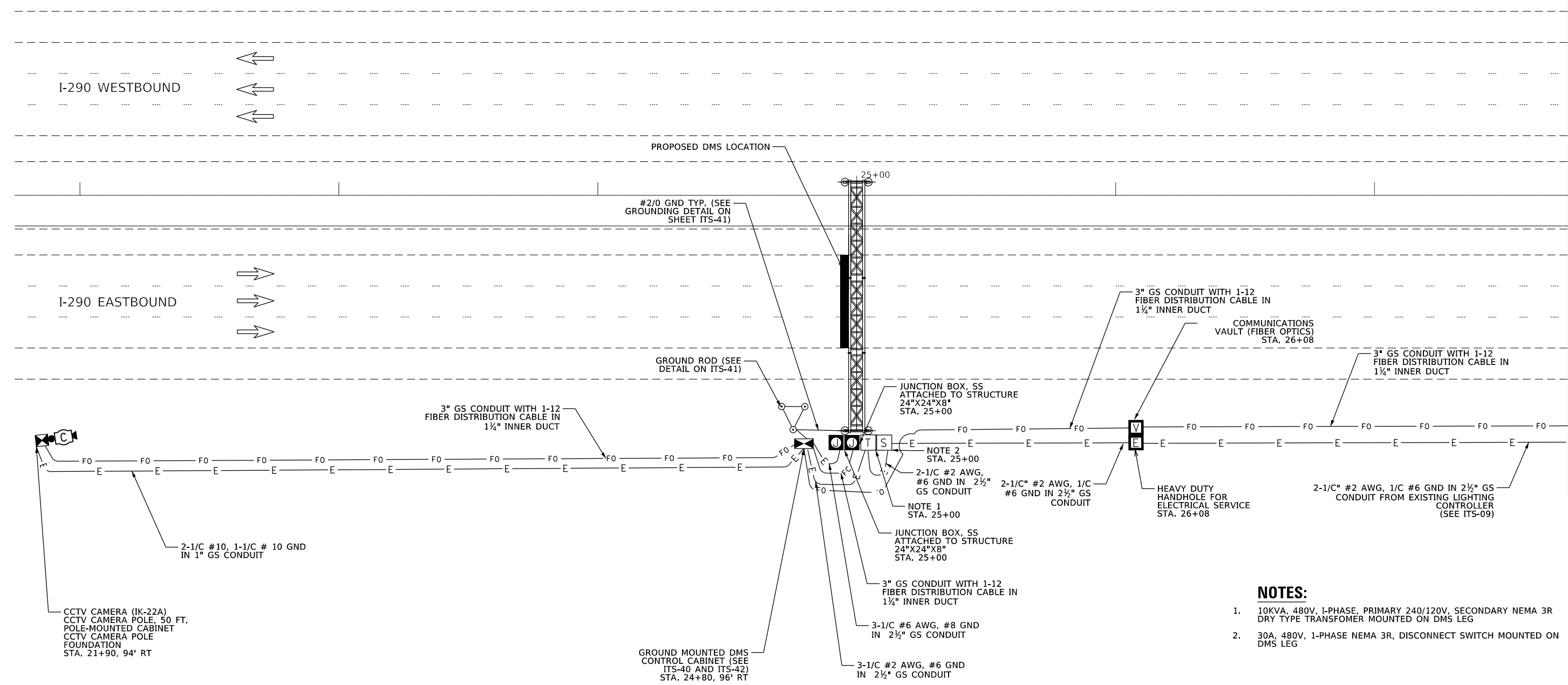
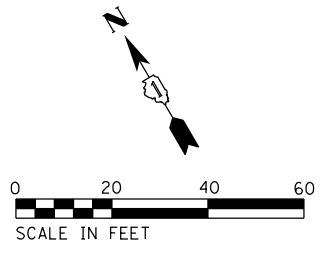
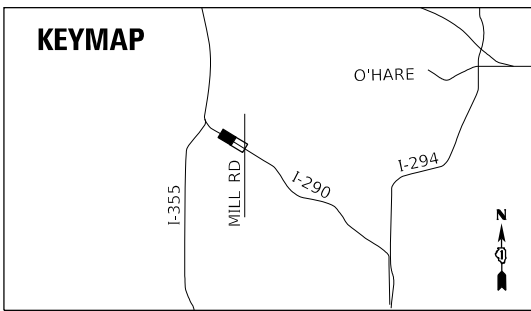
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DYNAMIC MESSAGE SIGN SITE PLAN,
I-55 SB, MP 255.2 AT HARRIS DRIVE**

SCALE: 1"=20' SHEET ___ OF ___ SHEETS STA. ___ TO STA. ___

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	50
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-07
*I-55, I-80, & I-290



- NOTES:**
- 10KVA, 480V, 1-PHASE, PRIMARY 240/120V, SECONDARY NEMA 3R DRY TYPE TRANSFORMER MOUNTED ON DMS LEG
 - 30A, 480V, 1-PHASE NEMA 3R, DISCONNECT SWITCH MOUNTED ON DMS LEG

MATCH LINE STA 27+75

MODEL: Default
FILE NAME: ILL1060Task_Order_604_CADD\CADD_Sheet\1D151666-shr-1-2018-dms.dgn



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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

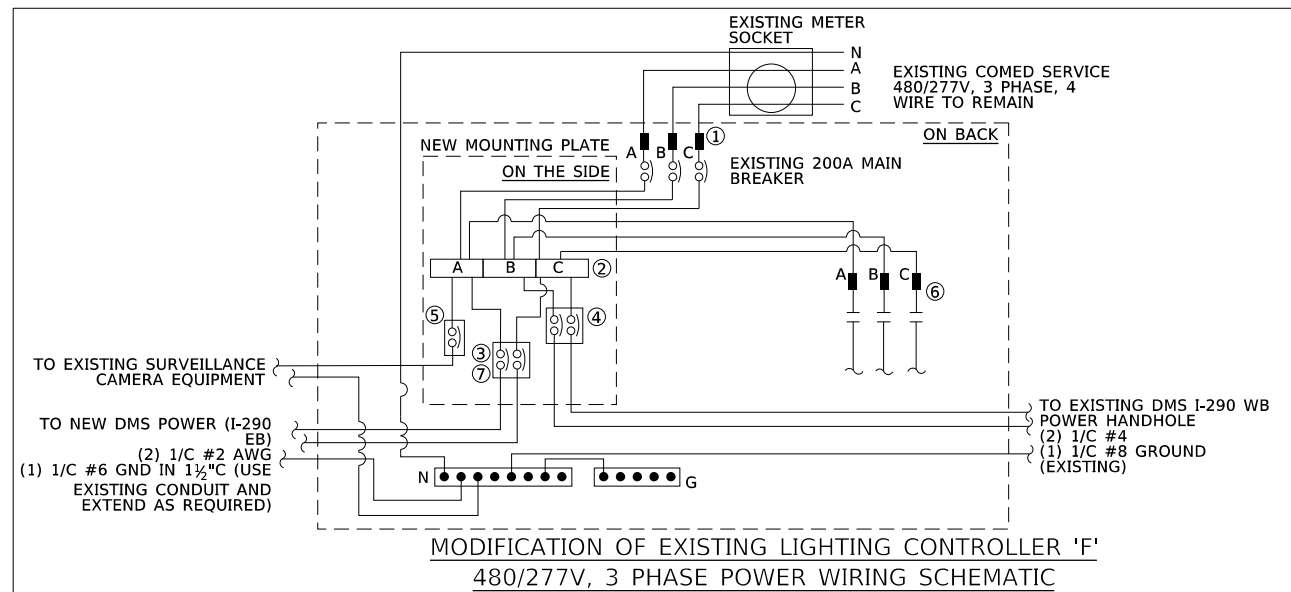
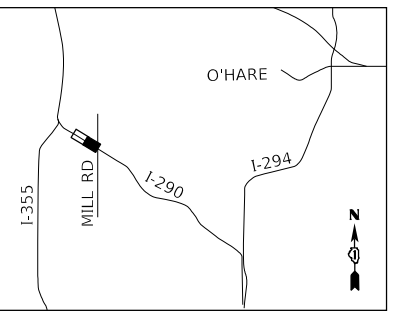
**DYNAMIC MESSAGE SIGN SITE PLAN,
I-290 EB, MP 8.0 AT MILL ROAD (1 OF 2)**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

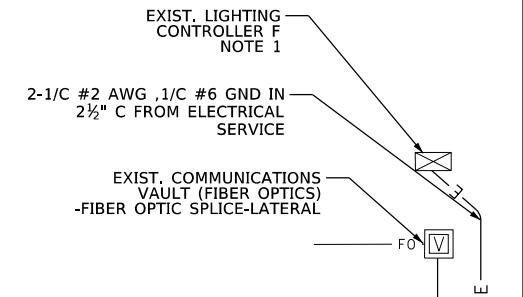
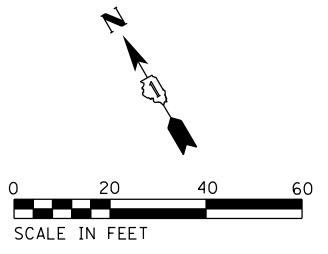
ITS-08
*I-55, I-80, & I-290

KEYMAP

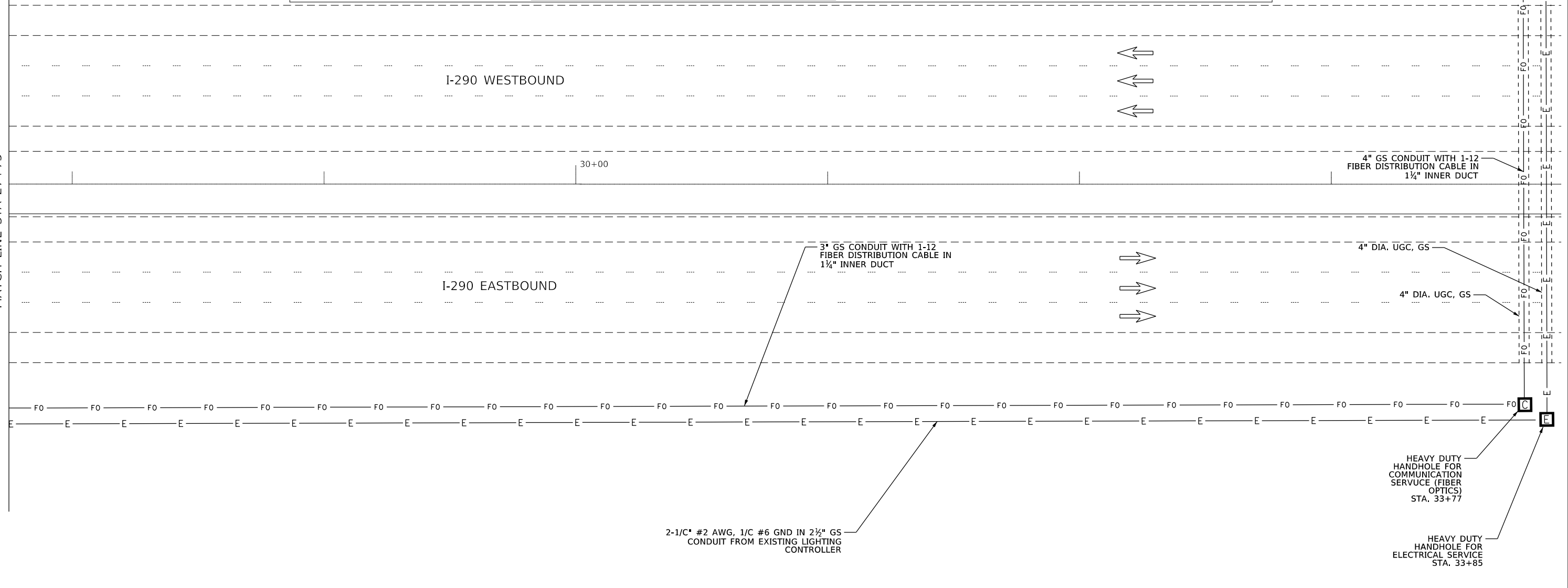


NOTES:

- ① EXISTING INCOMING LUGS AND MAIN CIRCUIT BREAKER TO REMAIN
- ② NEW POWER BLOCKS (SPLICER/DISTRIBUTION 255A, 600V, AS MANUFACTURED BY MARATHON CAT #143X124 OR EQUAL.
- ③ NEW 30A, 2P, 480V, CIRCUIT BREAKER FOR NEW DMS (I-290 EB)
- ④ EXISTING 30A, 2P, 480V CIRCUIT BREAKER FOR EXISTING DMS (I-290 WB) TO BE RECONNECTED TO THE NEW POWER BLOCK AS SHOWN
- ⑤ EXISTING 20A, 1P CIRCUIT BREAKER FOR EXISTING SURVEILLANCE TO BE RECONNECTED TO THE NEW POWER BLOCK AS SHOWN
- ⑥ EXISTING LIGHTING CONTACTOR TO BE RECONNECTED TO THE POWER BLOCK
- ⑦ MOUNT THE NEW 30A/2P CIRCUIT BREAKER NEXT TO THE EXISTING CIRCUIT BREAKER USING 1/4" THICK PLATE REPLACE THE EXISTING BOLTS WITH LONGER BOLTS TO HOLD THE NEW MOUNTING PLATE IN PLACE



MATCH LINE STA 27+75



NOTES:

1. INSTALL 30A/2P 480V CKT BREAKER AHEAD OF LIGHTING CONTACTOR TO FEED THE DMS TRANSFORMER

MODEL: Default
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	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

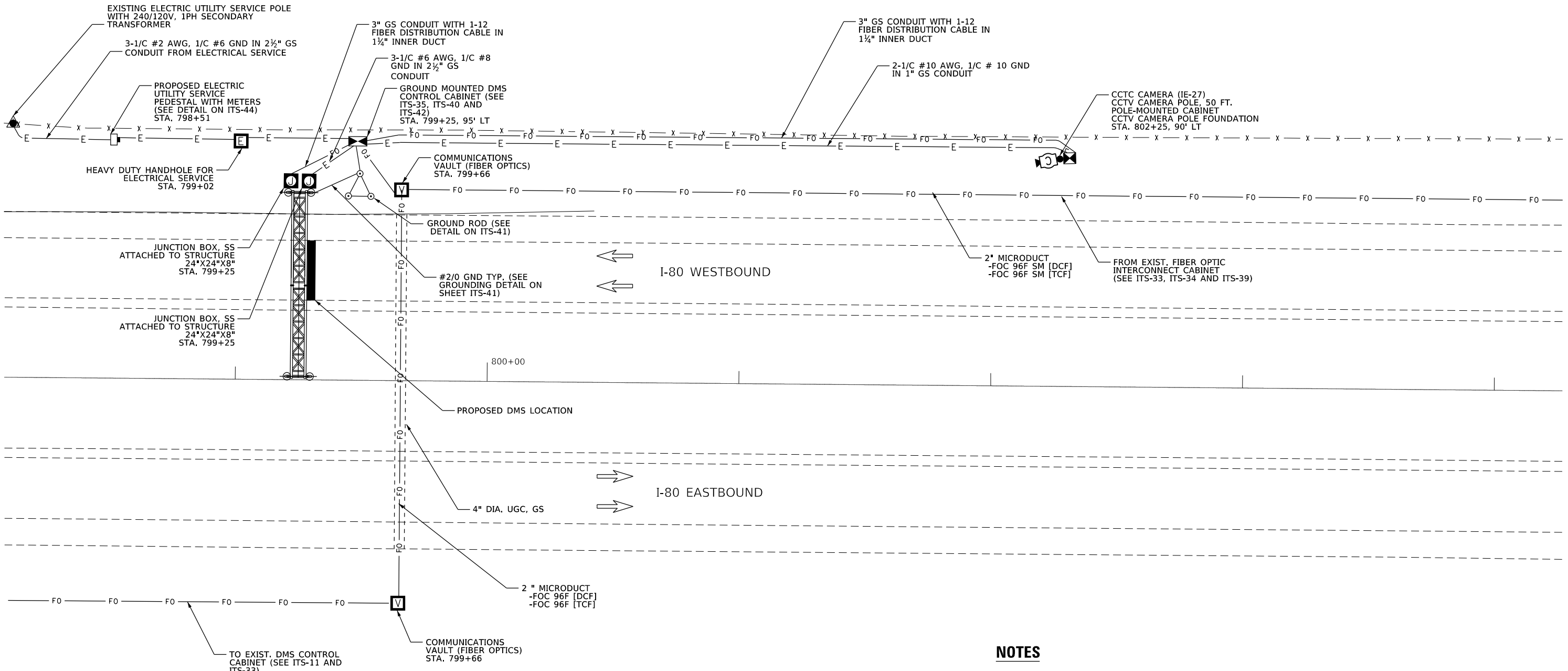
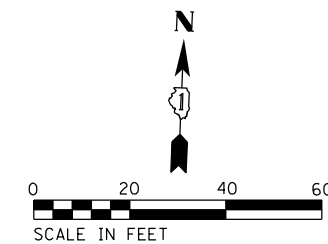
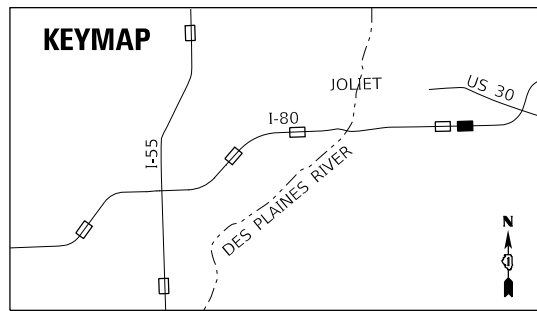
**DYNAMIC MESSAGE SIGN SITE PLAN,
I-290 EB, MP 8.0 AT MILL ROAD (2 OF 2)**

SCALE: 1"=20' SHEET ___ OF ___ SHEETS STA. ___ TO STA. ___

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	52
CONTRACT NO. 62G66				

ITS-09
*I-55, I-80, & I-290

ILLINOIS FED. AID PROJECT



NOTES

1. REFER TO ITS-11 FOR CAMERA SITE PLAN FOR I-80 EB DMS AT CHERRY HILL RD

MODEL: Default; FILE NAME: ILL10601Task_Order_6004_CADD\CADD_Sheet\1D151666-shr-hz-2018-dms.dgn



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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

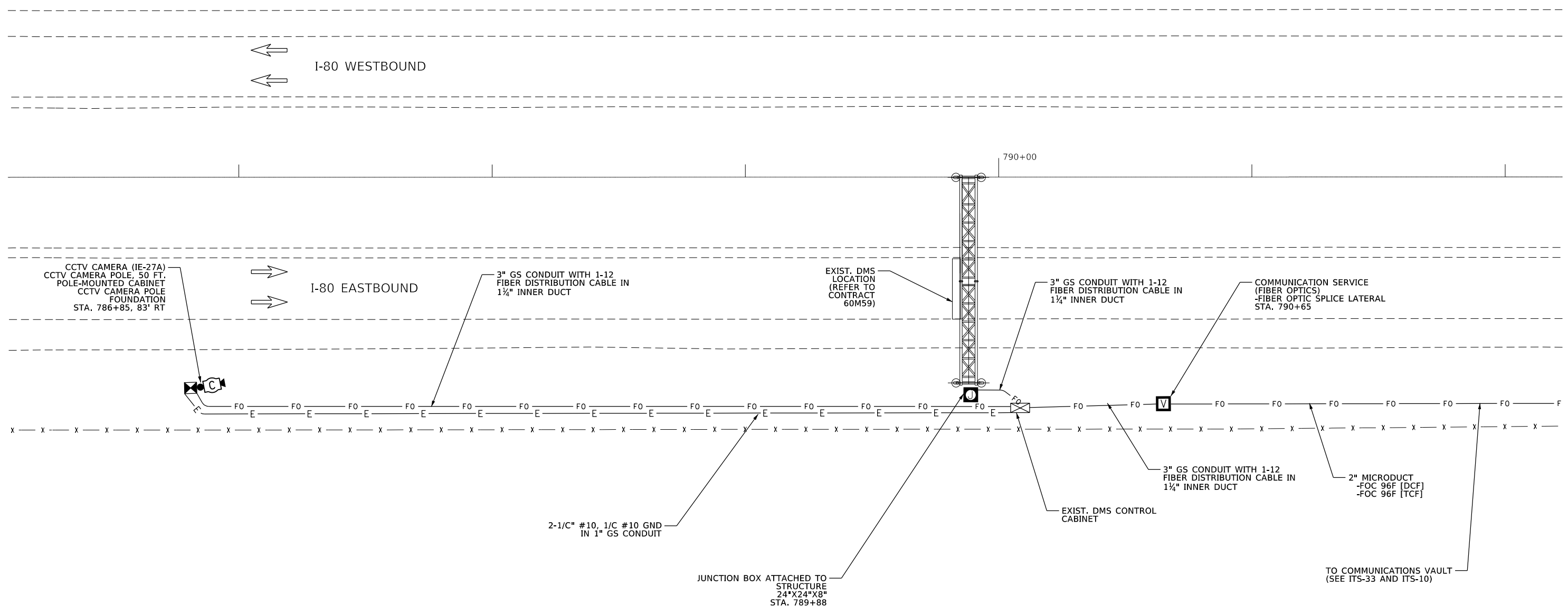
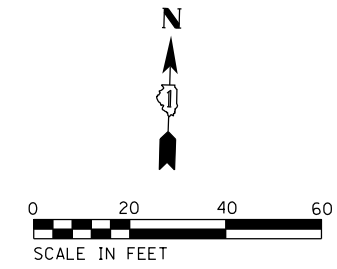
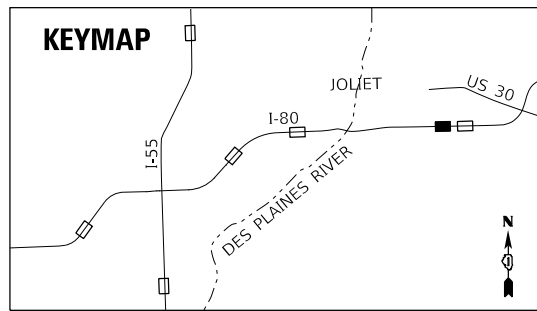
**DYNAMIC MESSAGE SIGN SITE PLAN,
I-80 WB, MP 136 AT CHERRY HILL ROAD**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	53
			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-10

*I-55, I-80, & I-290



MODEL: Default
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DRAWN - NG _____	CHECKED - KP _____	REVISED - _____
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PLOT DATE = 10/10/2018		

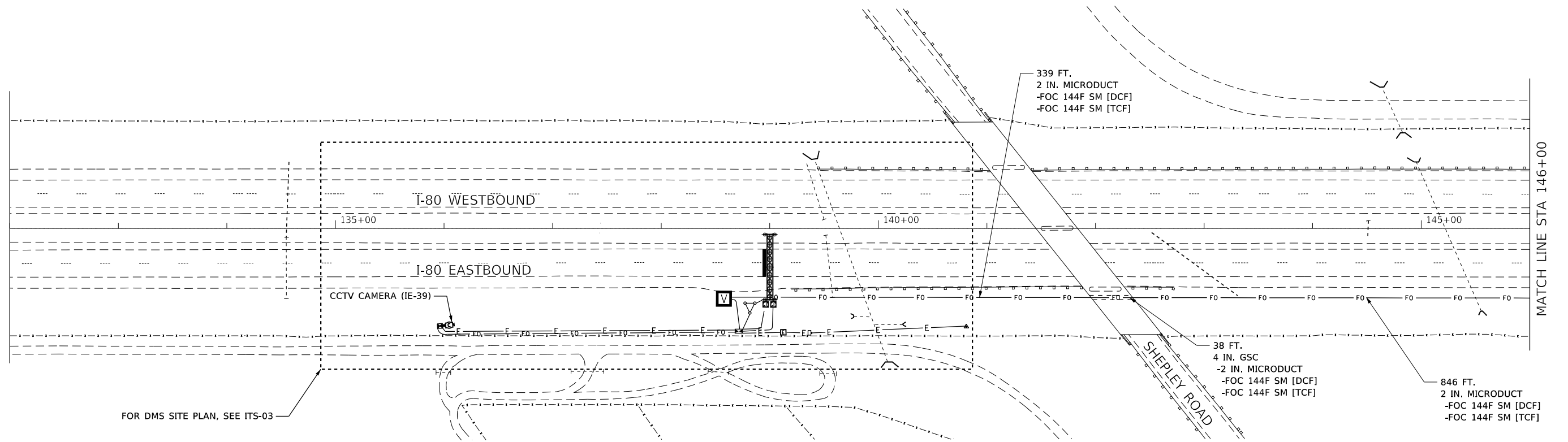
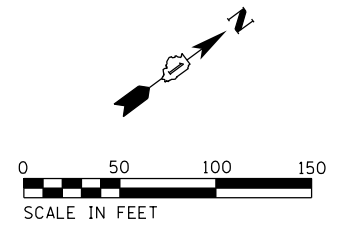
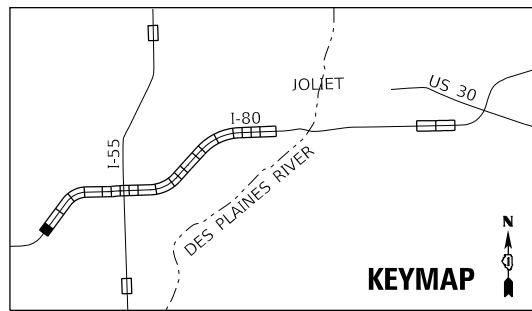
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CAMERA SITE PLAN,
I-80 EB AT CHERRY HILL ROAD**

SCALE: 1"=20' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	54
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-11
*I-55, I-80, & I-290



MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

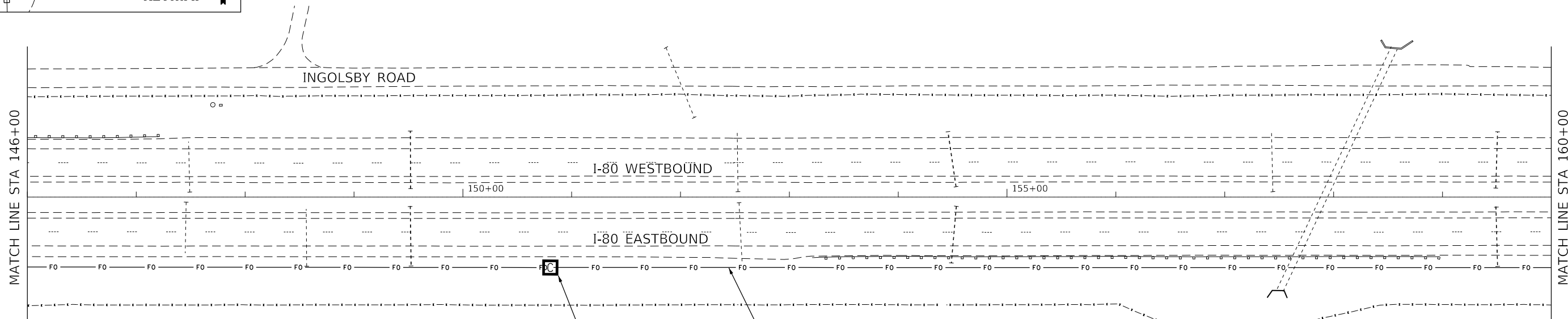
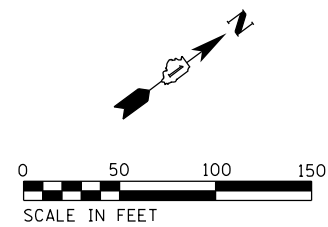
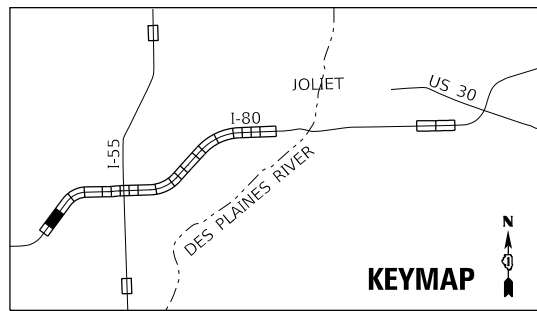
PROPOSED ITS PLAN
FIBER OPTIC BACKBONE

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

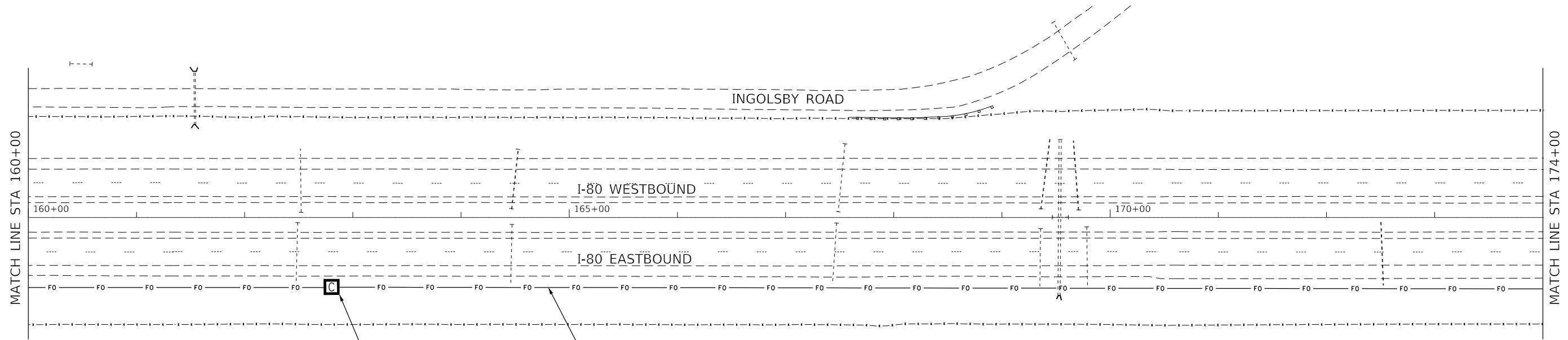
ITS-12

*I-55, I-80, & I-290



HD HANDHOLE (FIBER OPTICS)
STA. 150+80

1200 FT.
2 IN. MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]



HD HANDHOLE (FIBER OPTICS)
STA. 162+80

1200 FT.
2 IN. MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]

MODEL: Default
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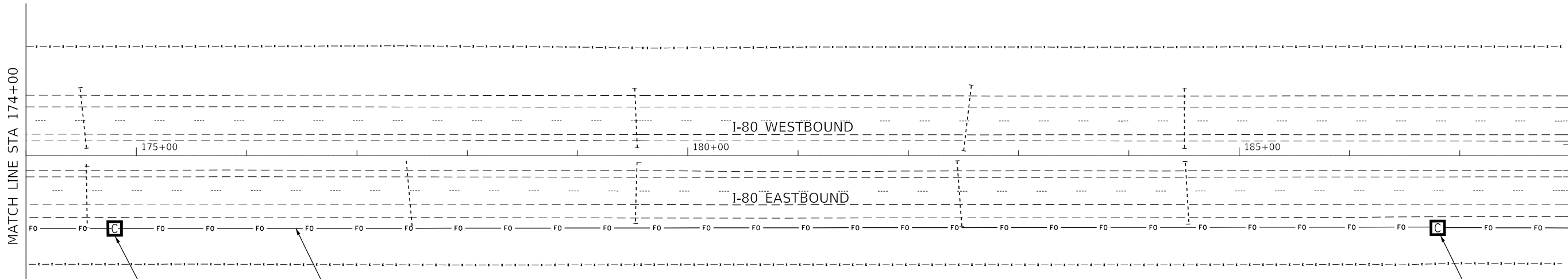
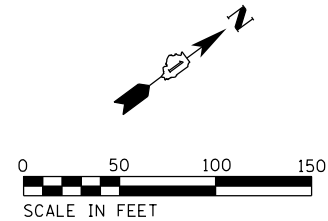
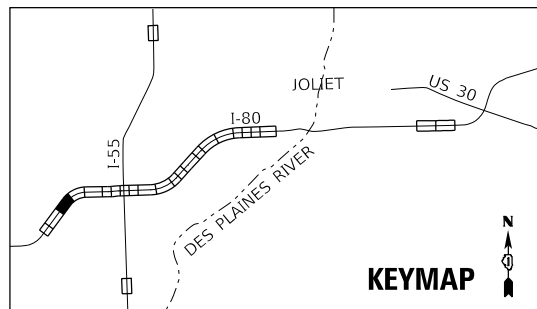
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

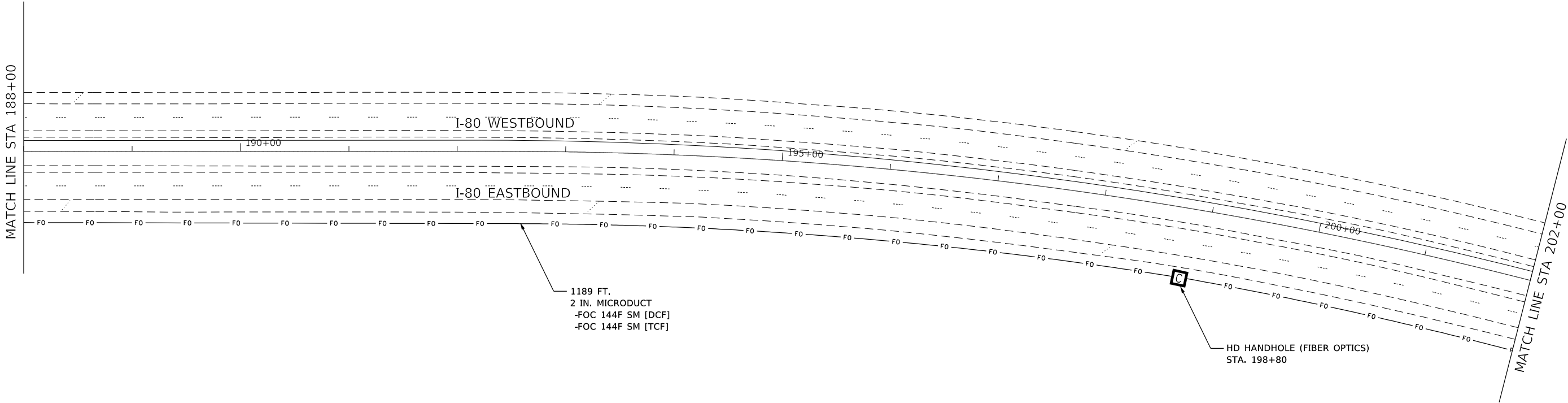
ITS-13
*I-55, I-80, & I-290



HD HANDHOLE (FIBER OPTICS)
STA. 174+80

1200 FT.
2 IN. MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]

HD HANDHOLE (FIBER OPTICS)
STA. 186+80



1189 FT.
2 IN. MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]

HD HANDHOLE (FIBER OPTICS)
STA. 198+80

MODEL: Default
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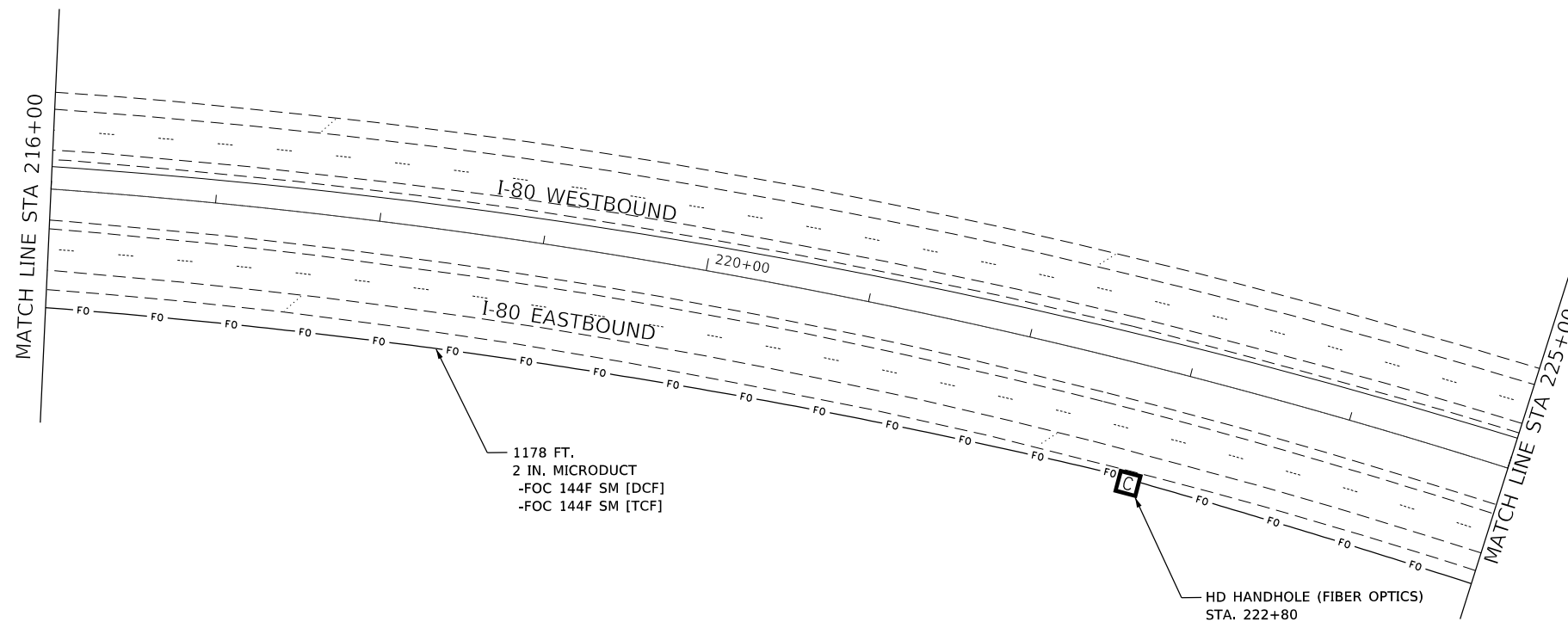
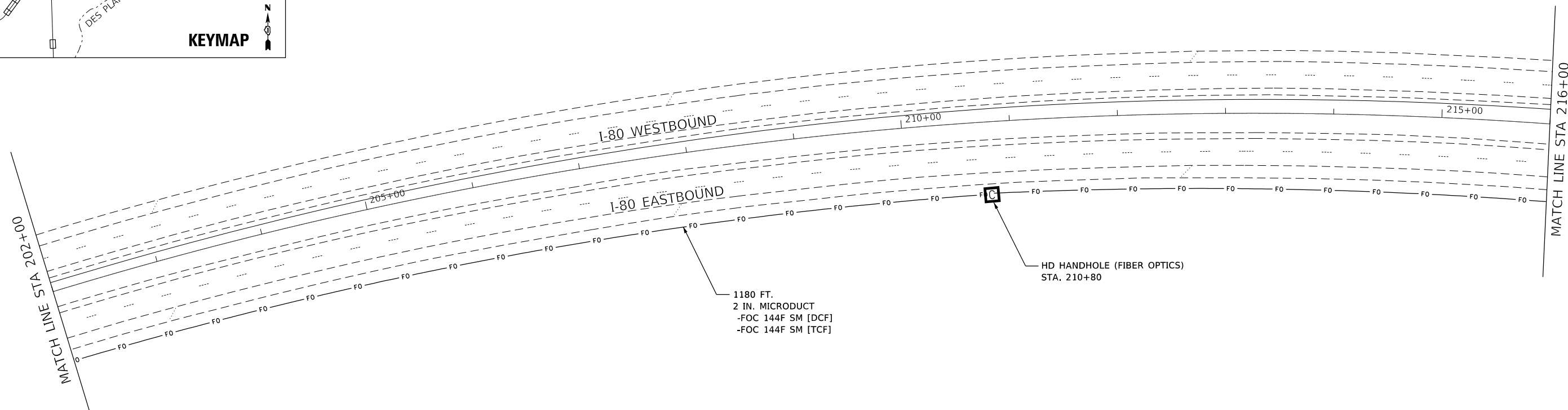
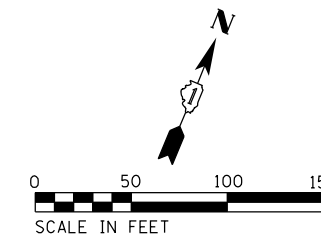
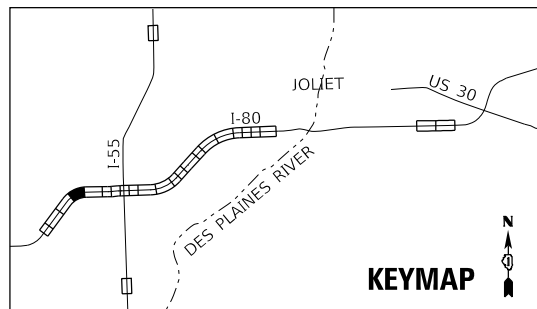
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	57
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-14
*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

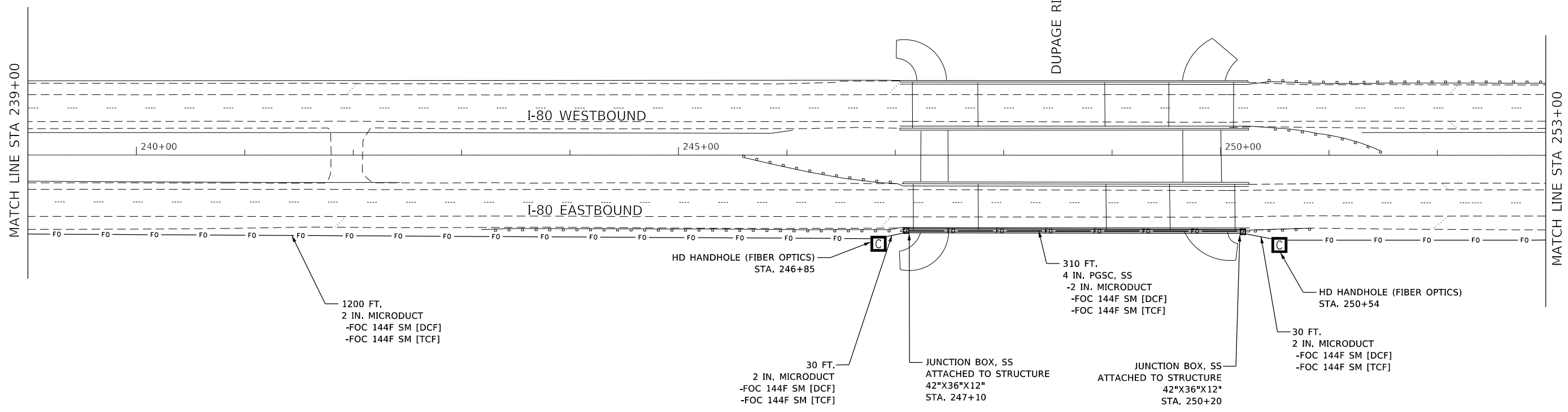
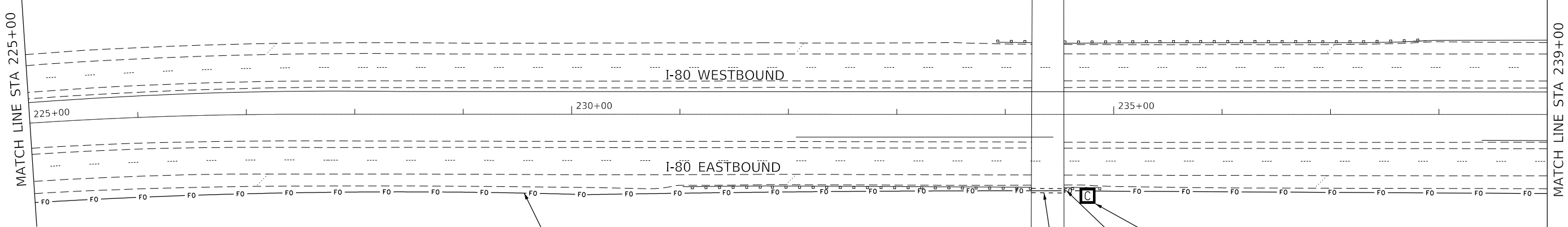
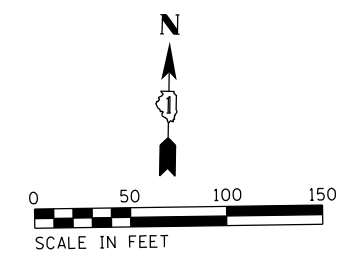
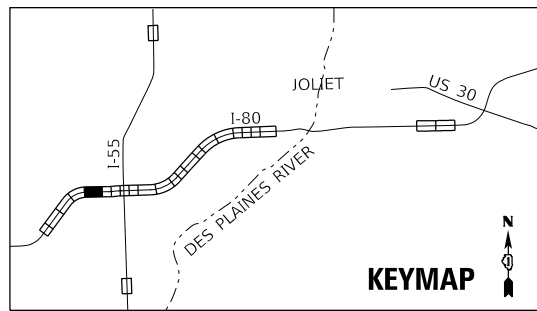
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	58
			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-15

*I-55, I-80, & I-290



MODEL: Default
FILE NAME: I:\1060\Task_Order_6004_CADD\CADD_Sheet\10121666-shr-ht-305-conduit_plan.dgn



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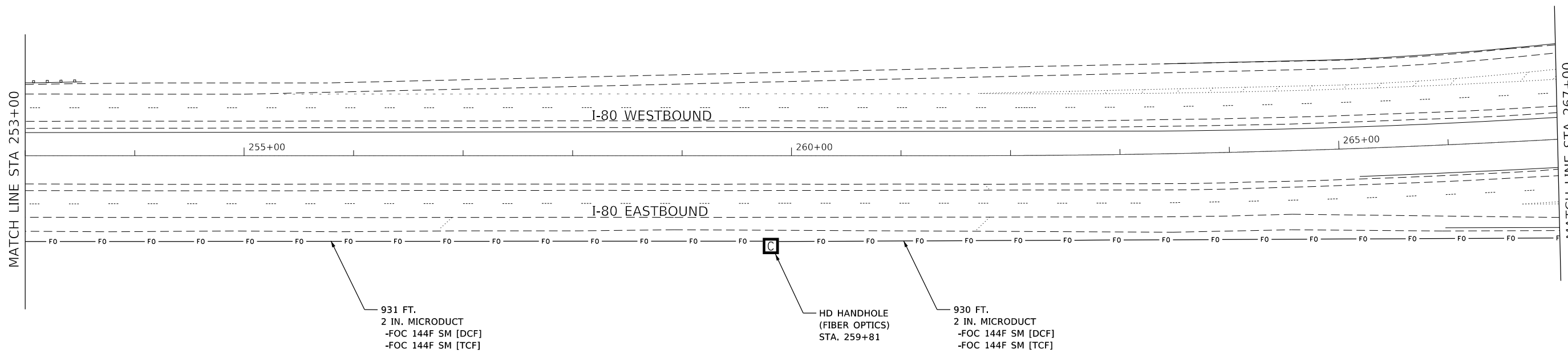
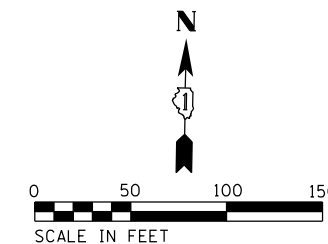
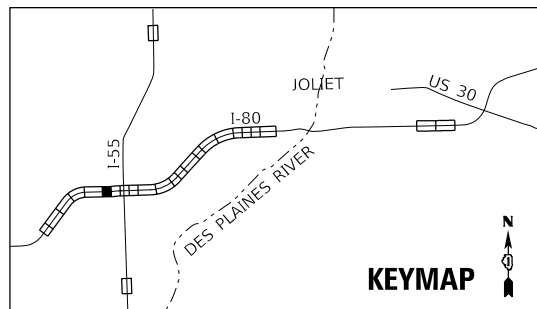
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	59
			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-16
*I-55, I-80, & I-290



MODEL: Default
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PLOT DATE = 10/10/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

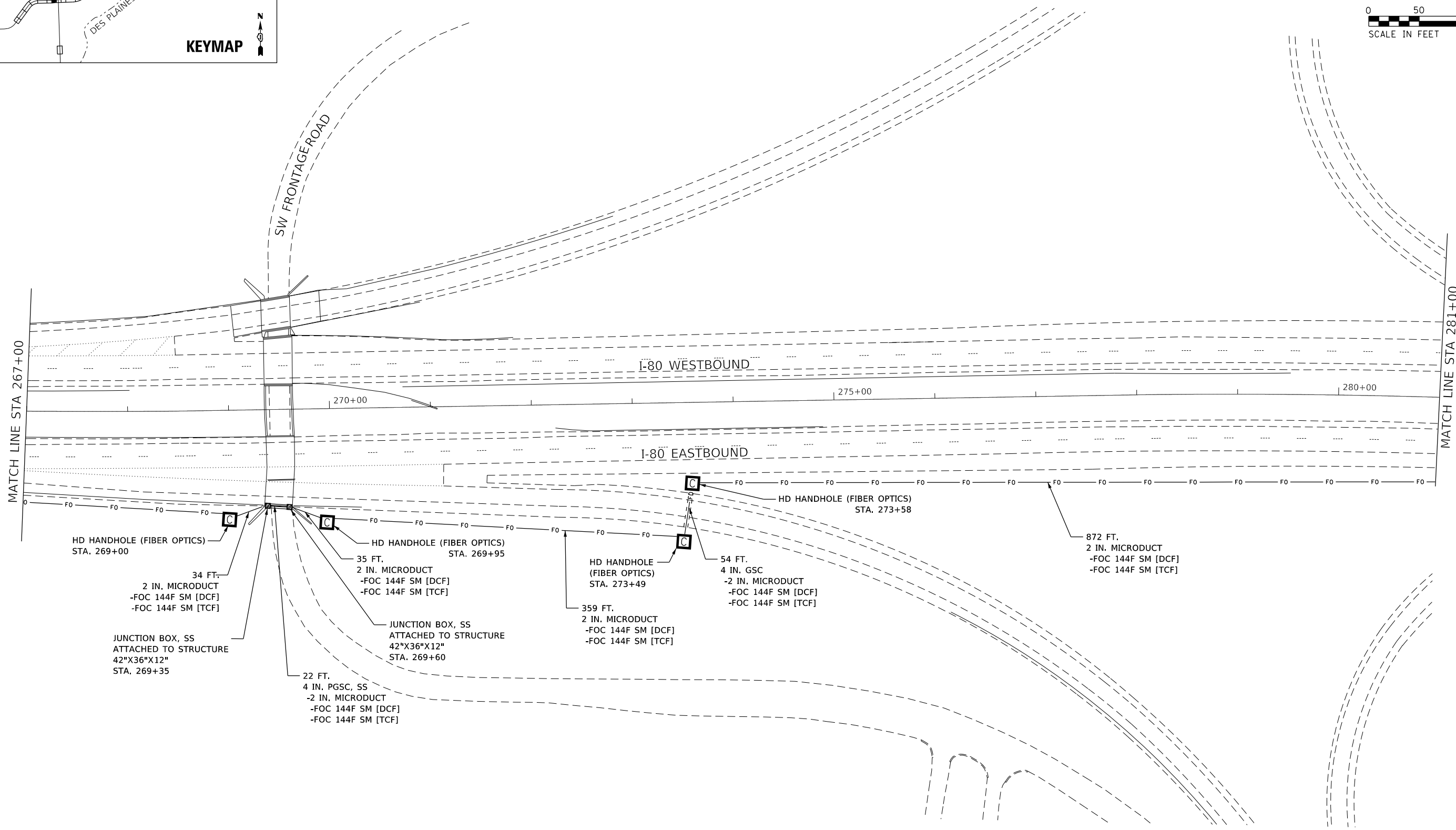
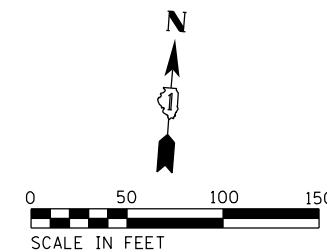
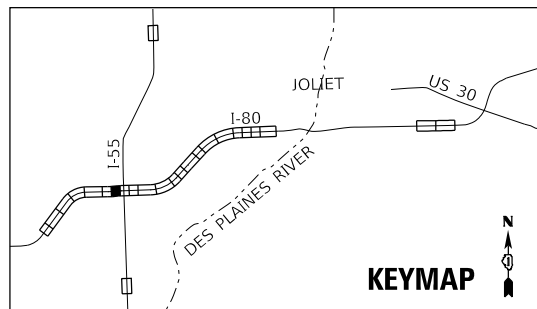
PROPOSED ITS PLAN
FIBER OPTIC BACKBONE

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	60
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-17

*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

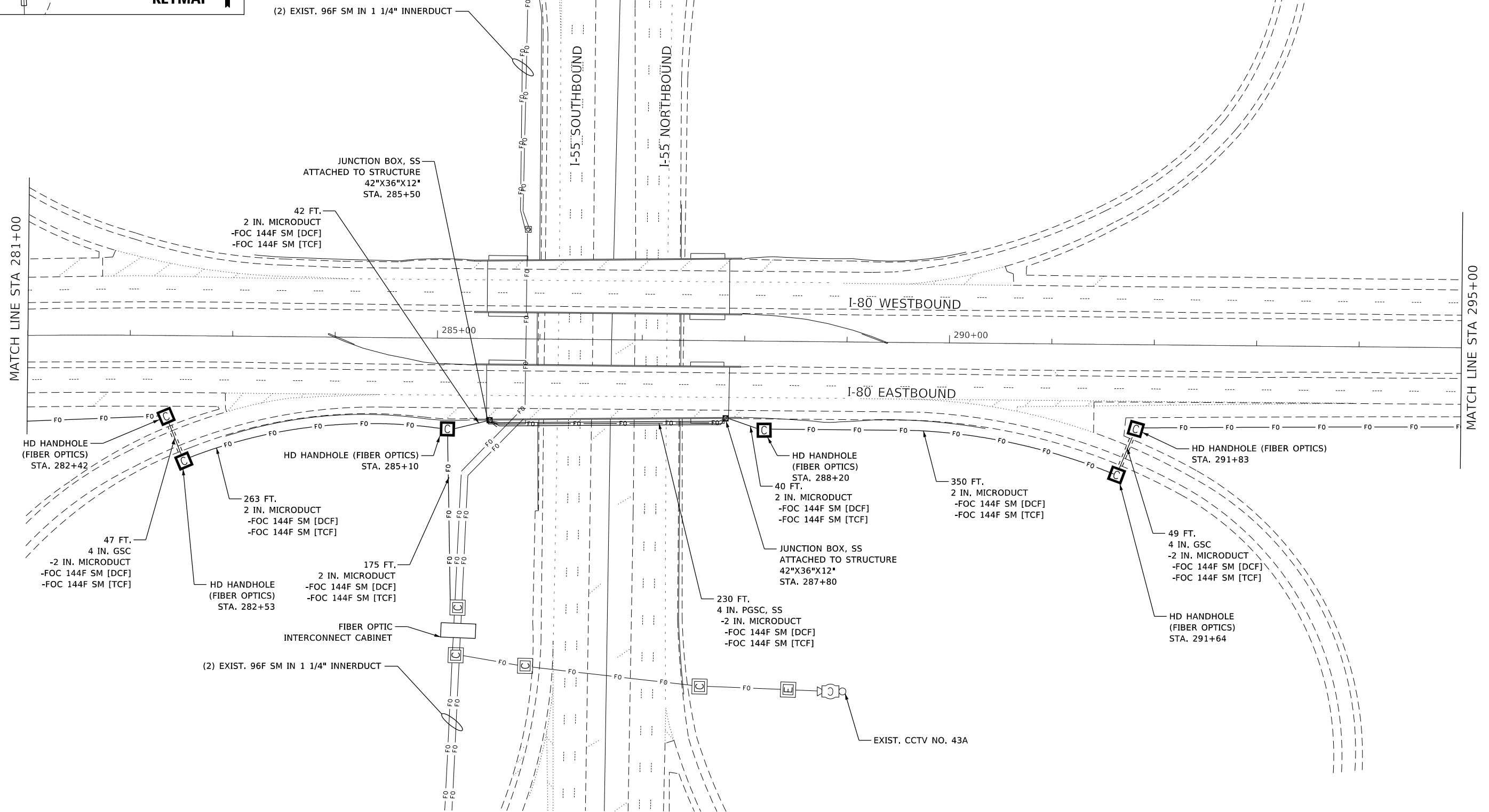
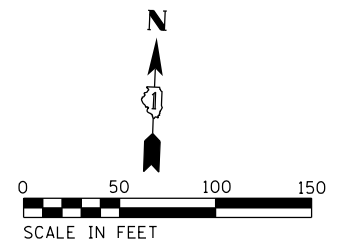
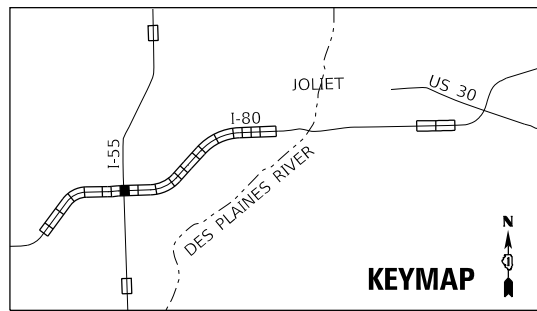
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	61
			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-18
*I-55, I-80, & I-290



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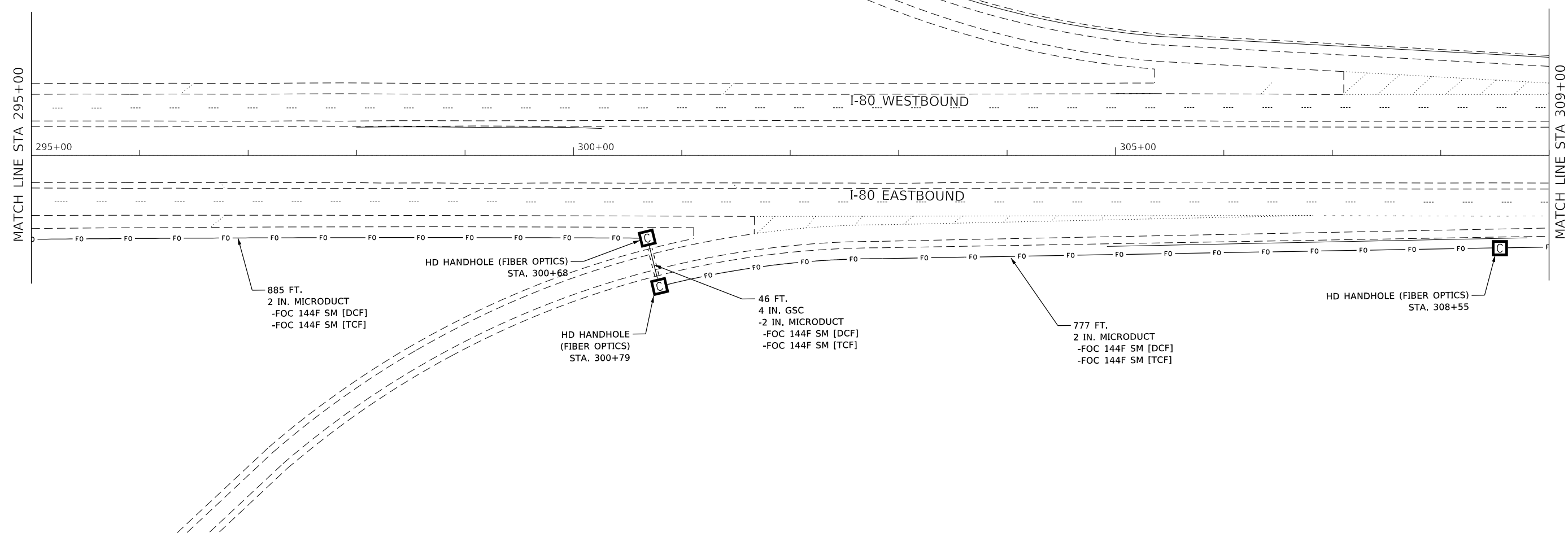
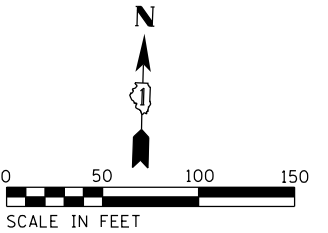
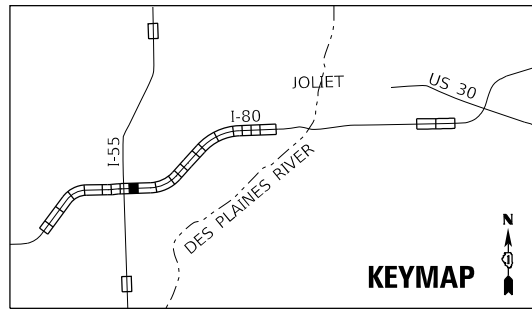
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PLOT SCALE = 99.9998 ' / in.	DRAWN - NG	REVISED -
PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED ITS PLAN FIBER OPTIC BACKBONE	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-19
*I-55, I-80, & I-290



MODEL: D:\default
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DRAWN - NG	REVISIONS -	
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PLOT DATE = 10/10/2018	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

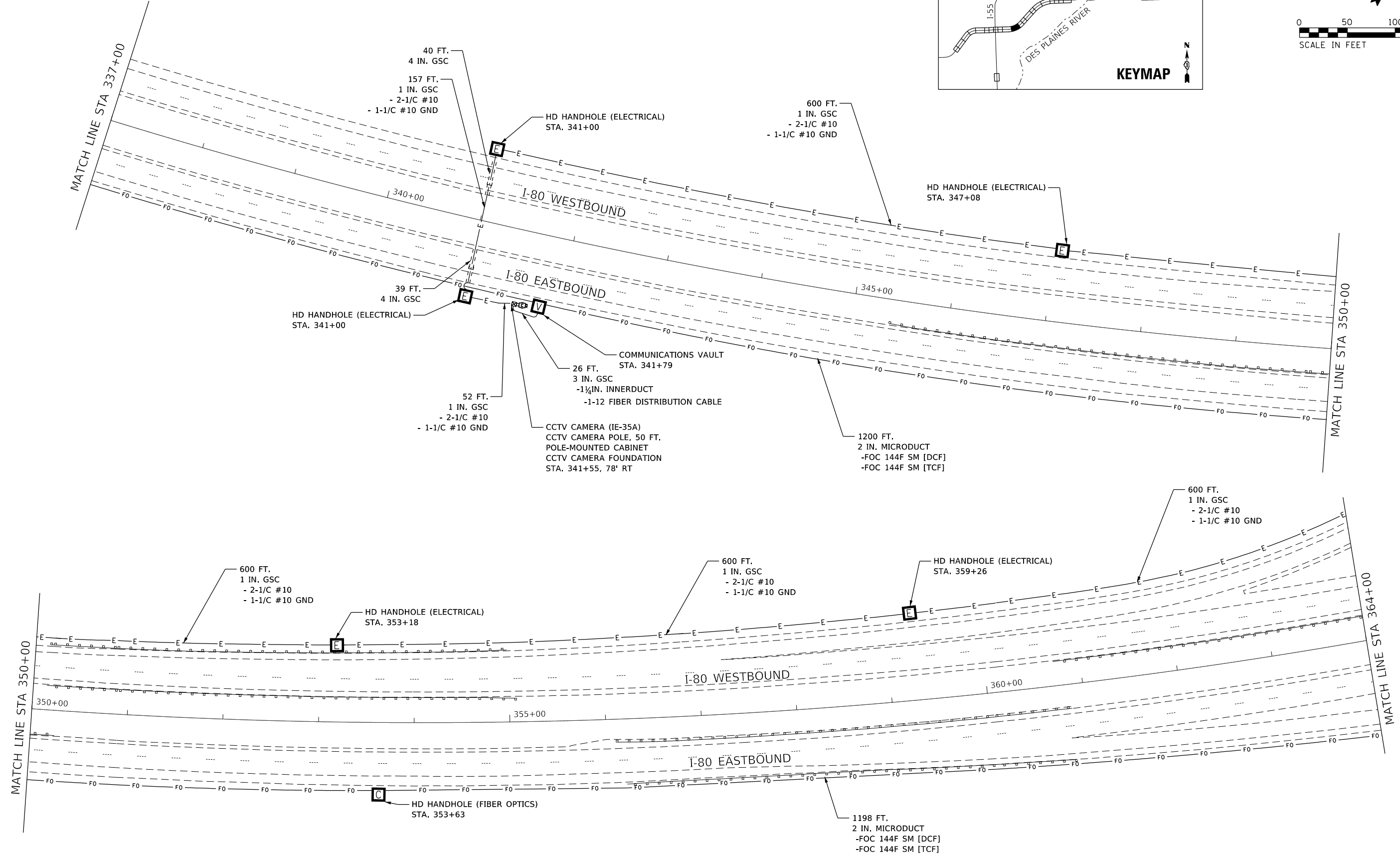
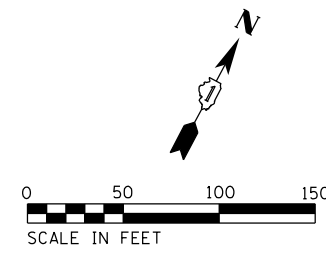
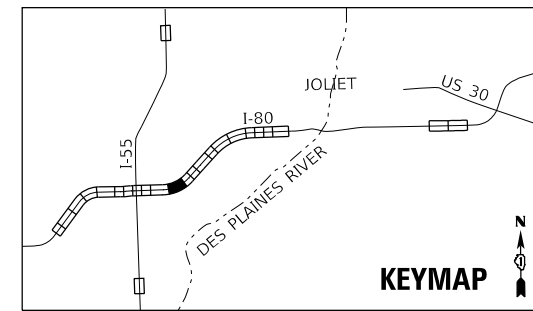
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	63
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-20

*I-55, I-80, & I-290



MODEL: D:\default
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

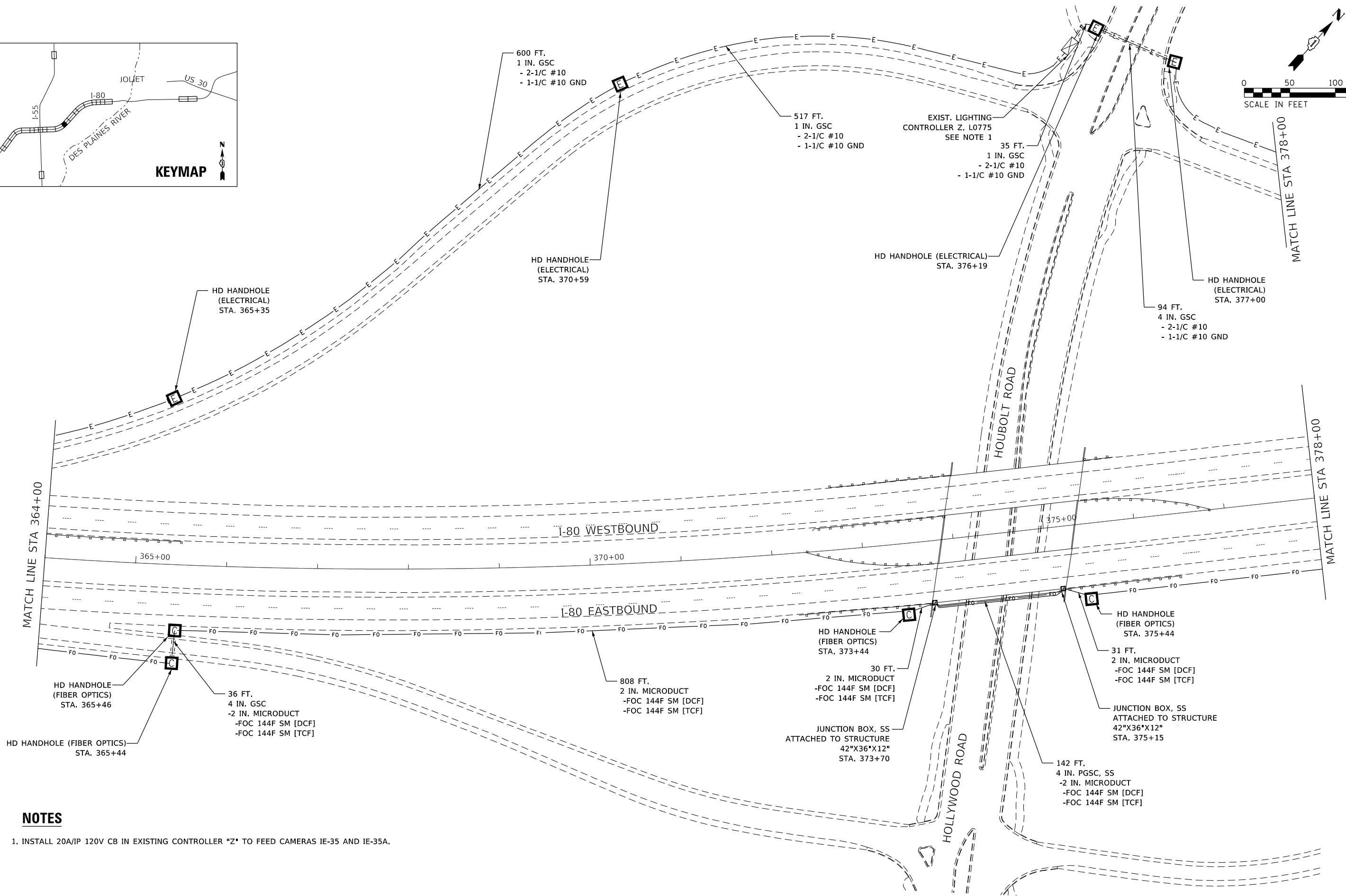
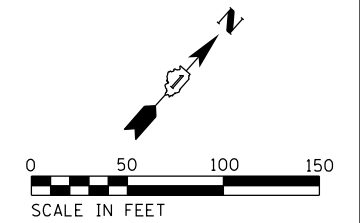
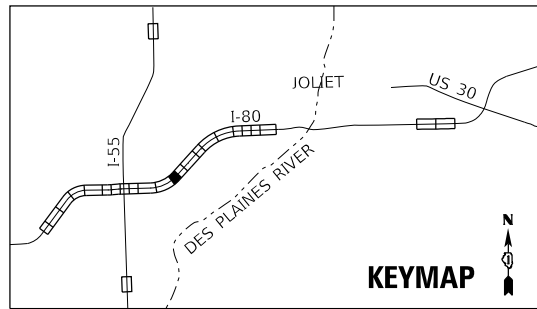
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	65
WILL/DUPAGE			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-22
*I-55, I-80, & I-290



NOTES

- INSTALL 20A/IP 120V CB IN EXISTING CONTROLLER "Z" TO FEED CAMERAS IE-35 AND IE-35A.

MODEL: Default
FILE NAME: ILL1060Task_Order_604_CADD\CADD_Sheet\1012\62G66\htr312-conduit_plan.dwg



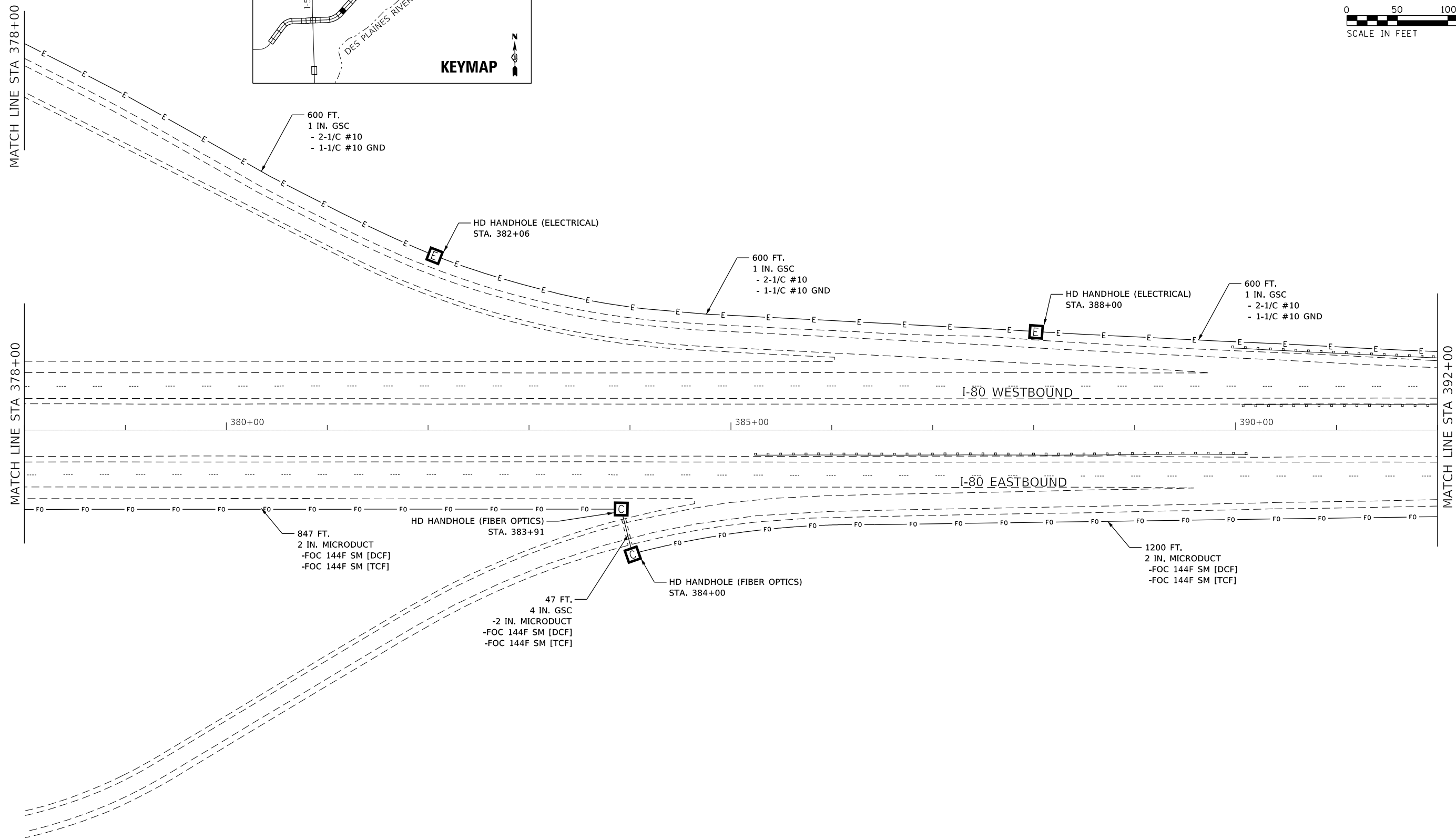
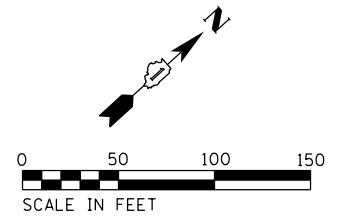
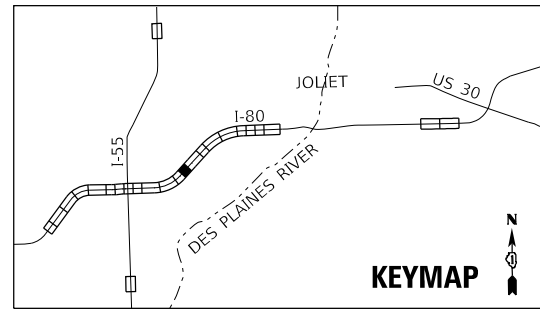
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	66
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	



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PLOT SCALE = 99.9998 ' / in.	DRAWN - NG	REVISED -
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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

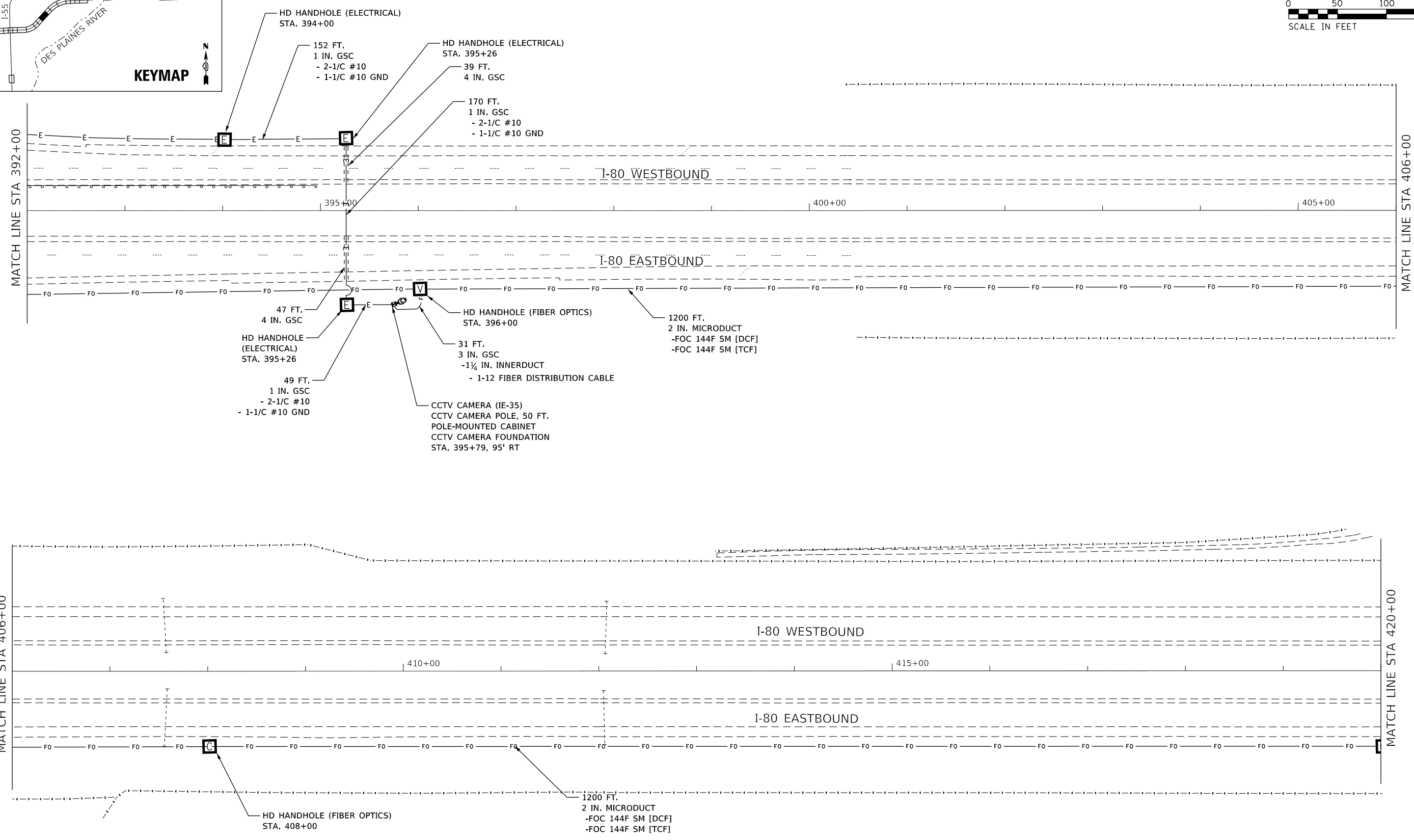
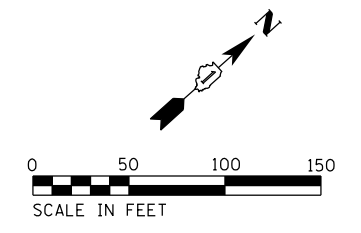
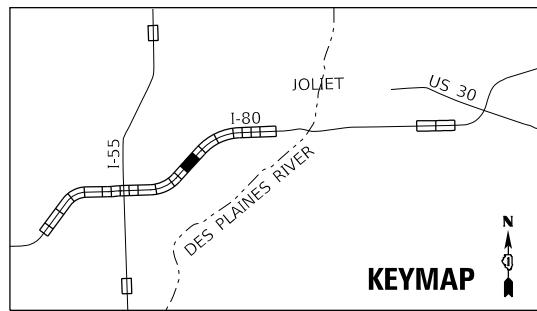
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-24

*I-55, I-80, & I-290



MODEL: Default
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

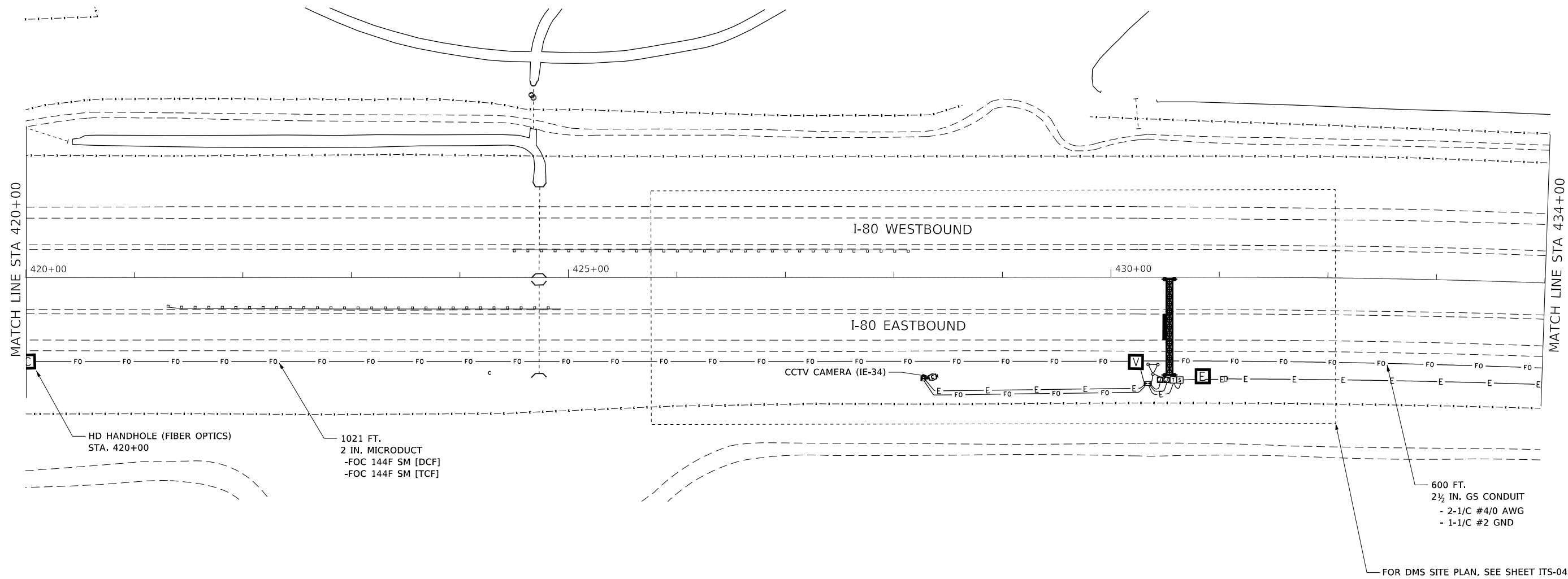
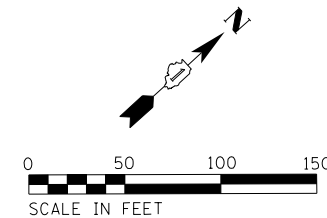
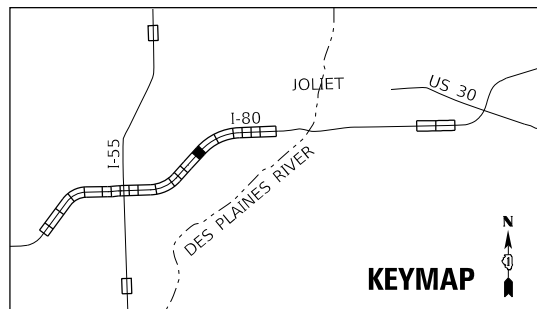
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ITS PLAN
FIBER OPTIC BACKBONE

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	68
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-25
 *I-55, I-80, & I-290



HD HANDHOLE (FIBER OPTICS)
STA. 420+00

1021 FT.
2 IN. MICRODUCT
-FOC 144F SM [DCF]
-FOC 144F SM [TCF]

CCTV CAMERA (IE-34)

600 FT.
2½ IN. GS CONDUIT
- 2-1/C #4/0 AWG
- 1-1/C #2 GND

FOR DMS SITE PLAN, SEE SHEET ITS-04

MODEL: Default
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DRAWN - NG	REVISIONS	
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PLOT DATE = 10/10/2018	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

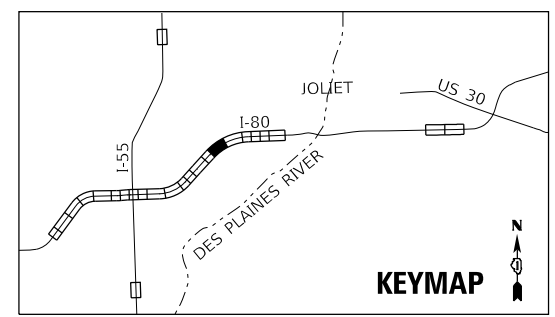
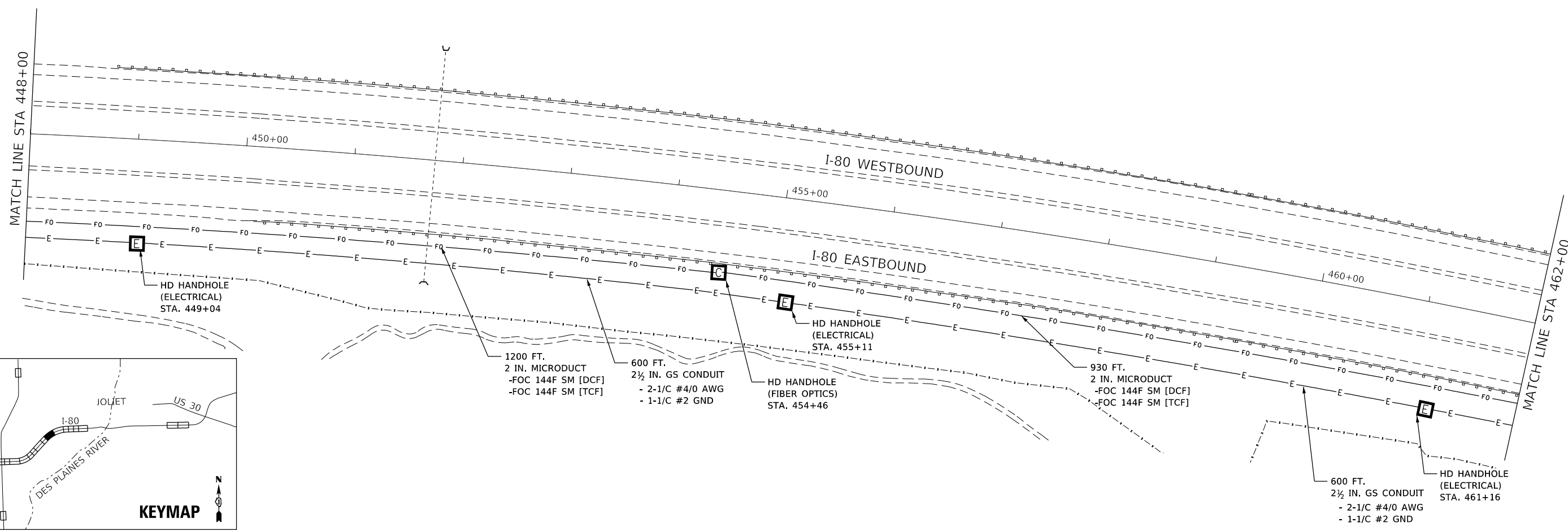
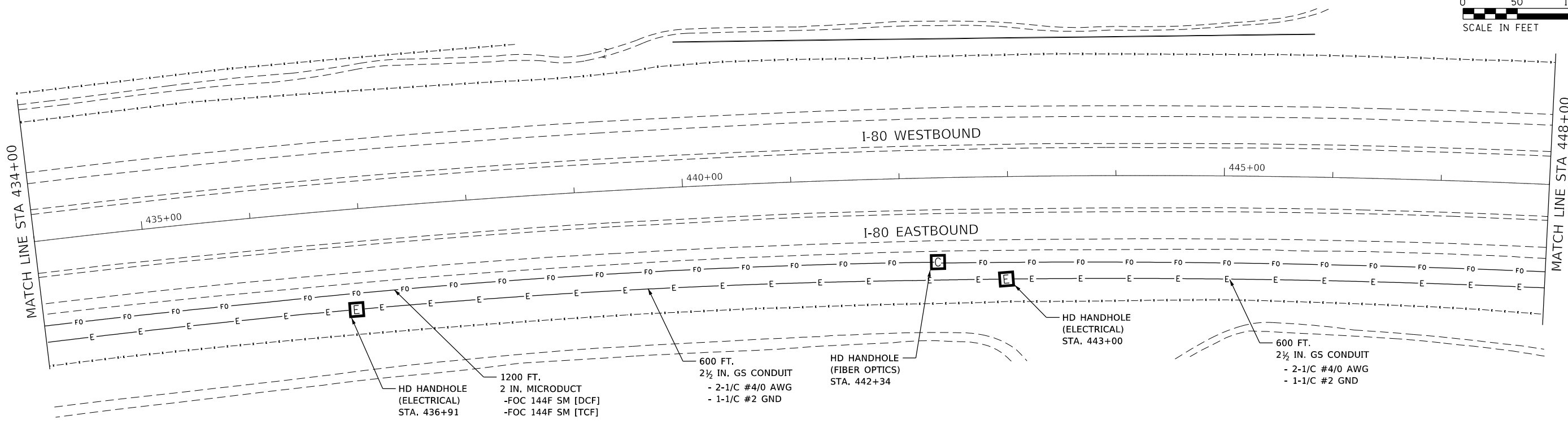
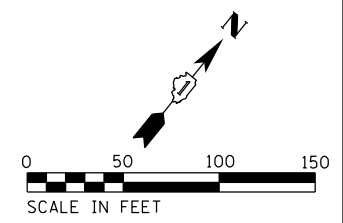
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	69
			CONTRACT NO. 62G66	
		ILLINOIS FED. AID PROJECT		

ITS-26

*I-55, I-80, & I-290



MODEL: Default
 FILE NAME: I:\1060\Task_Order_604_CADD\CADD_Sheet\106066-sh-1-1-15-conduit_plan.dgn

ITS-27

*I-55, I-80, & I-290



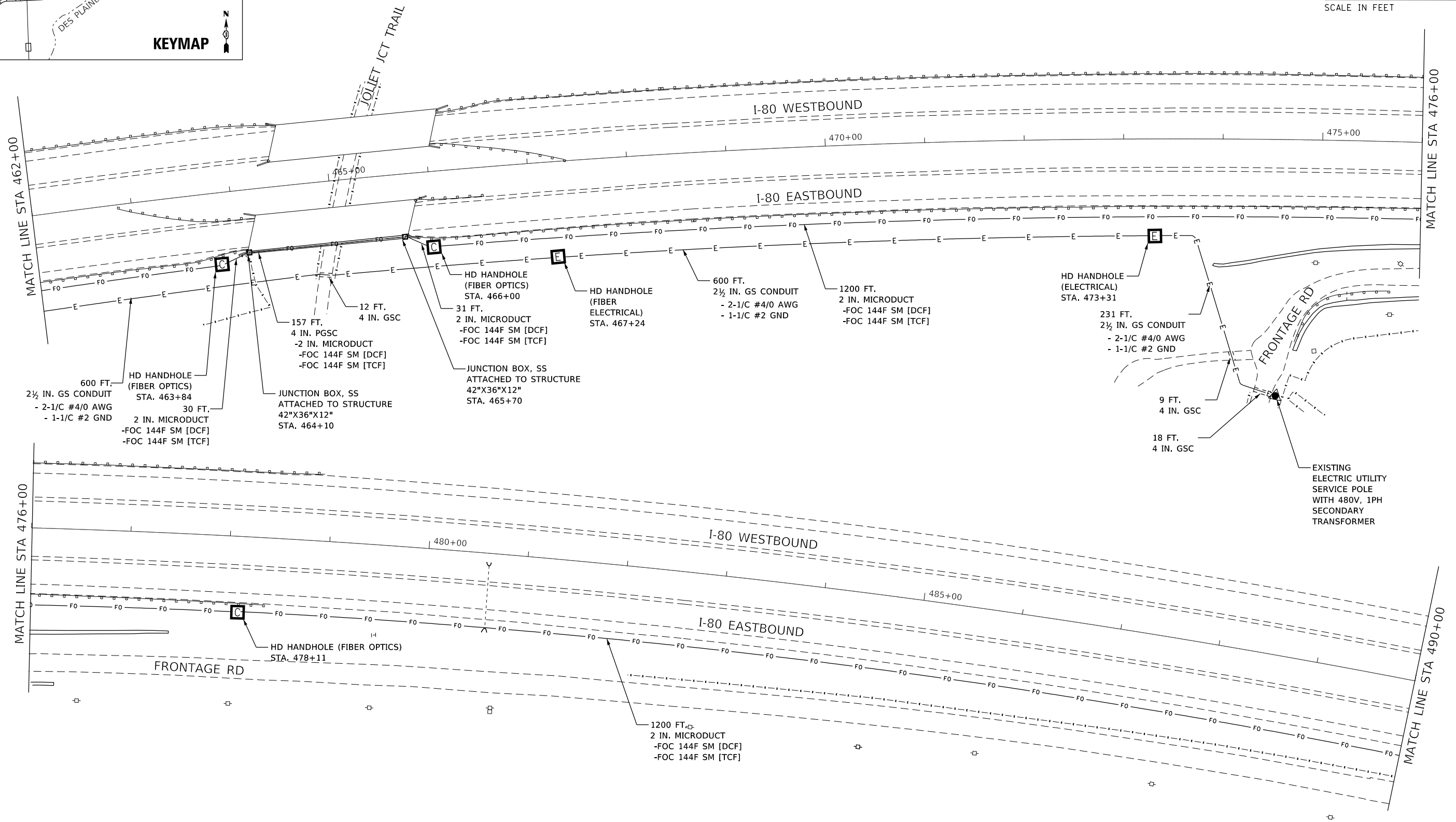
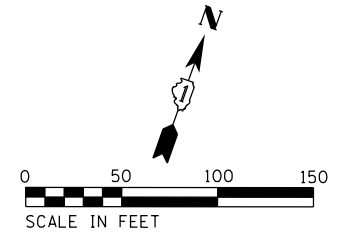
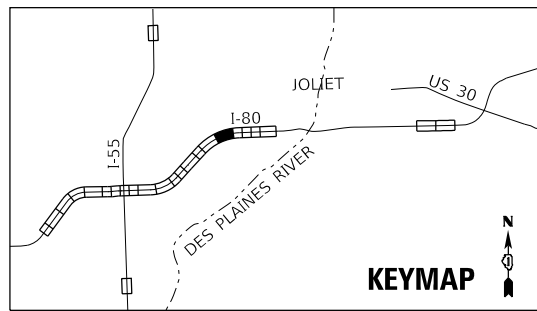
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	70
WILL/DUPAGE			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				



MODEL: Default
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	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

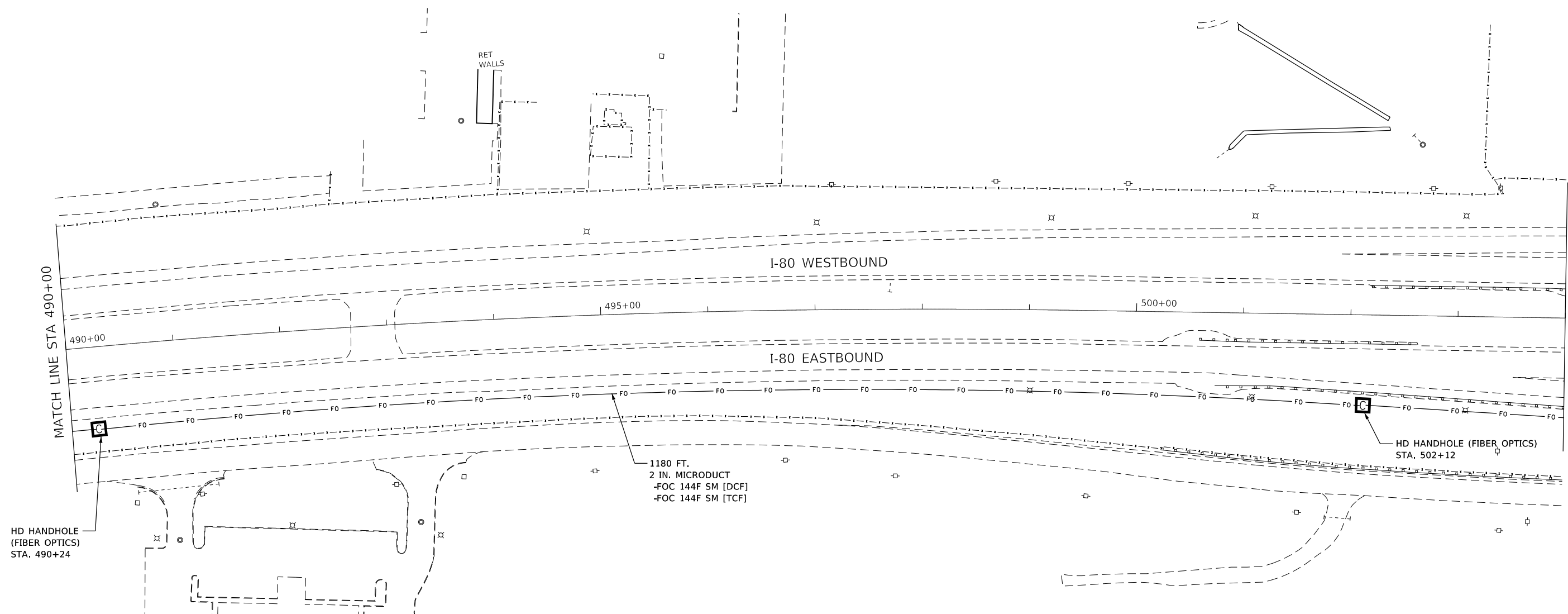
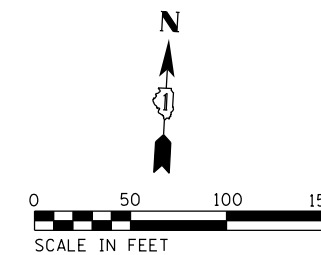
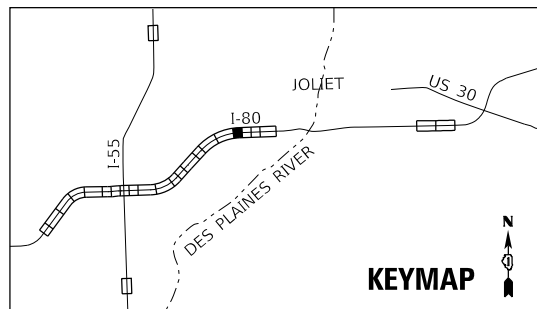
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	71
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-28

*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

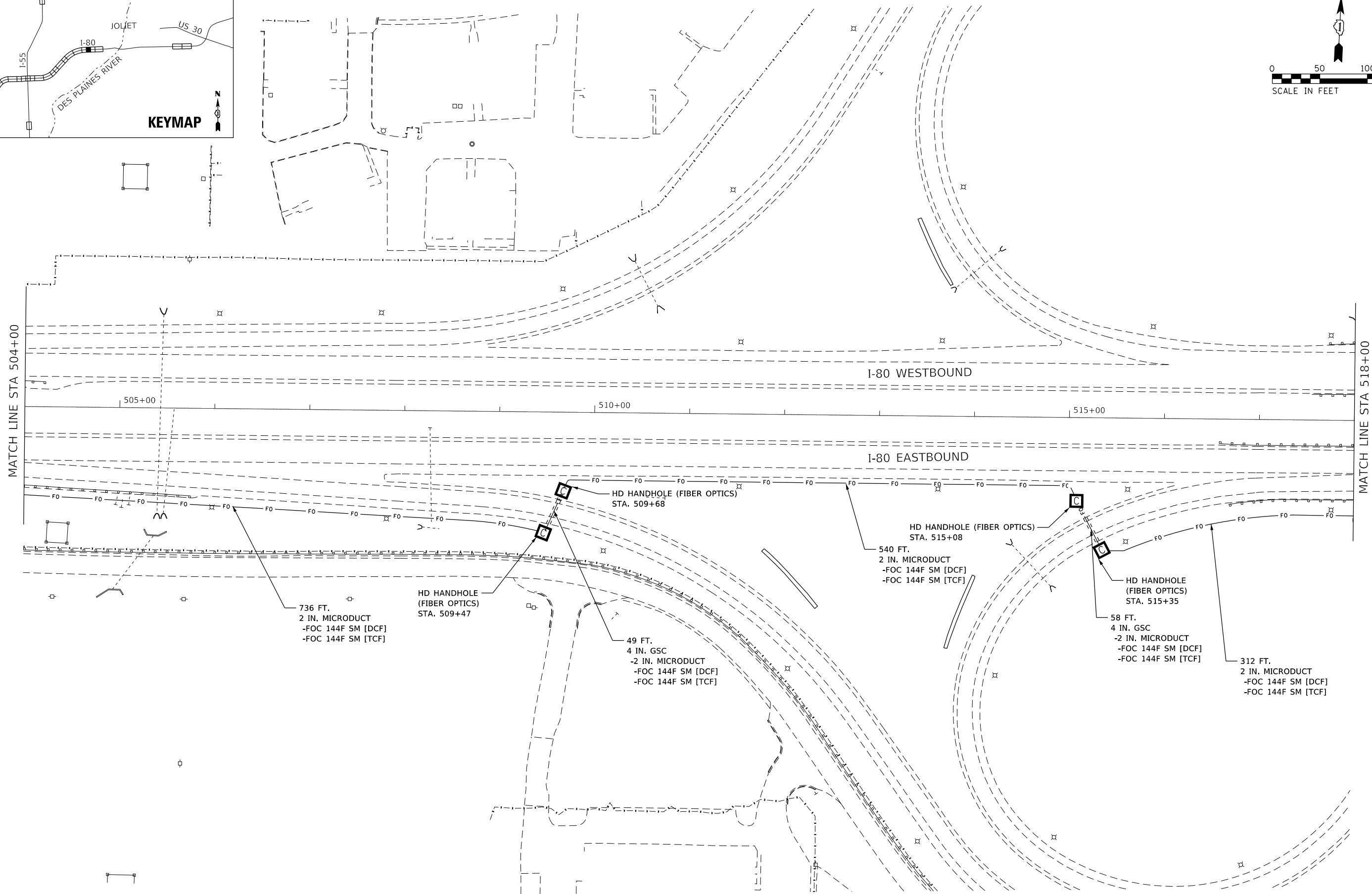
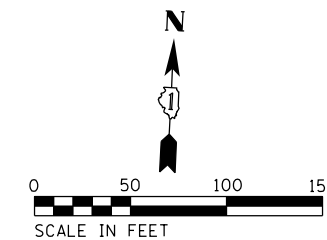
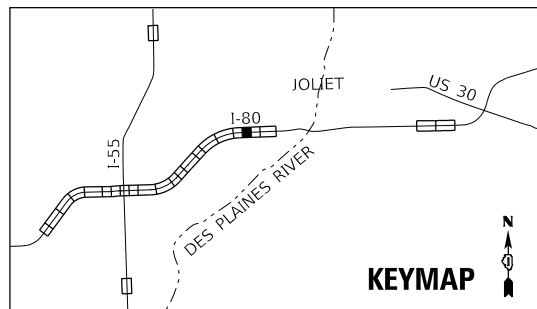
PROPOSED ITS PLAN
FIBER OPTIC BACKBONE

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	72
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-29

*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

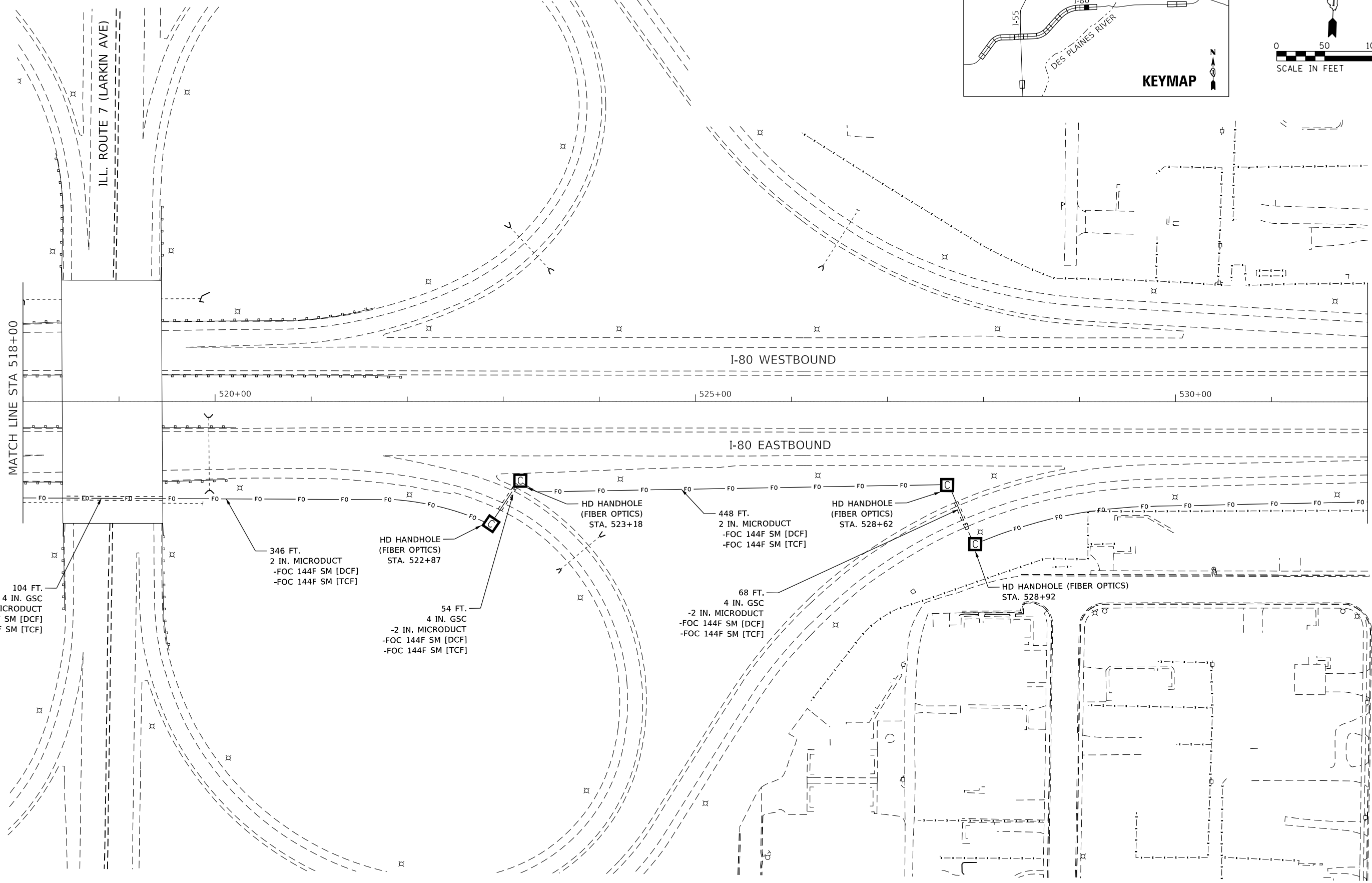
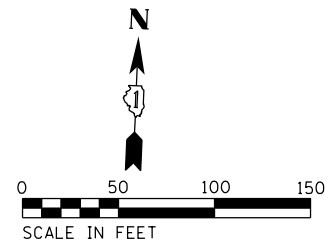
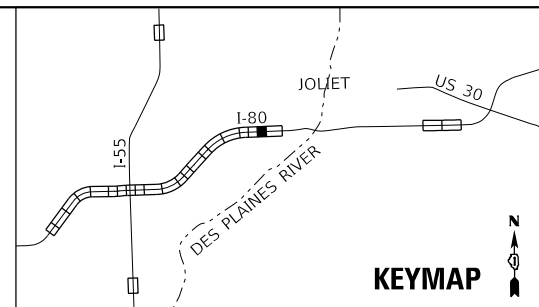
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	73
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-30

*I-55, I-80, & I-290



MODEL: Default
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

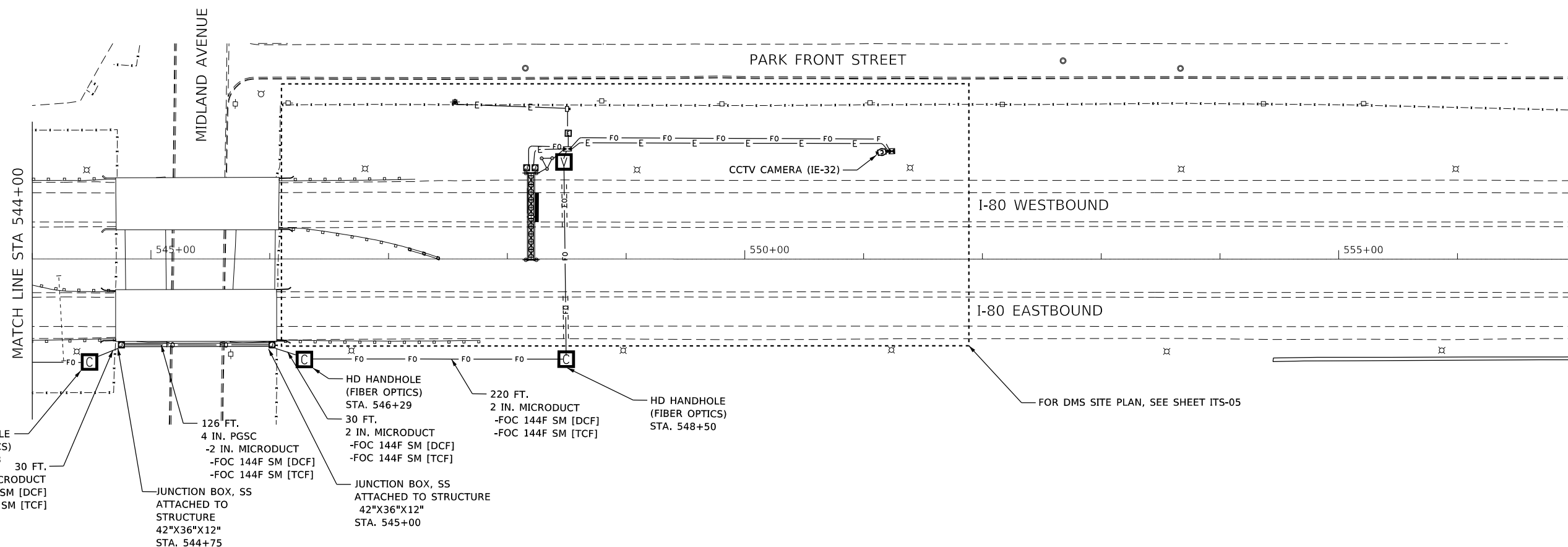
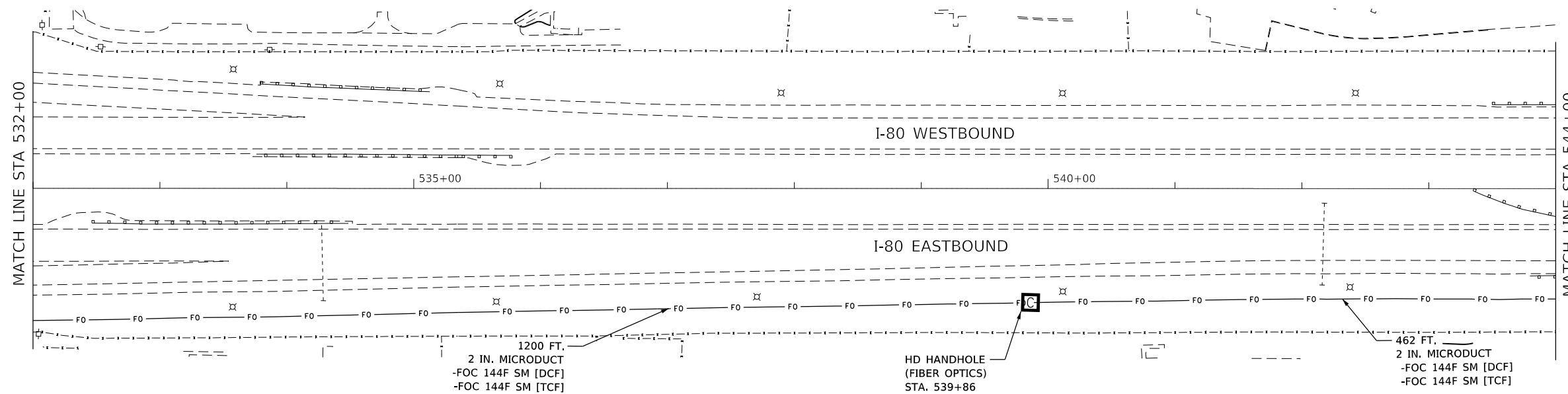
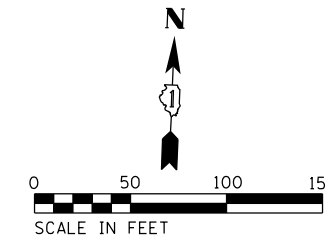
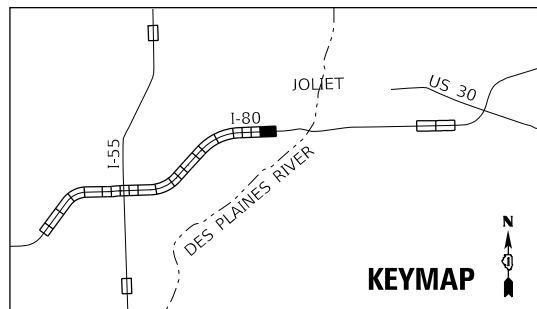
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	74
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-31
*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

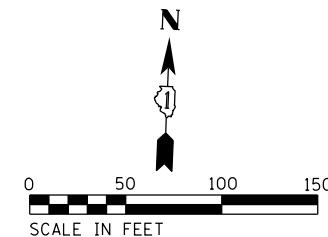
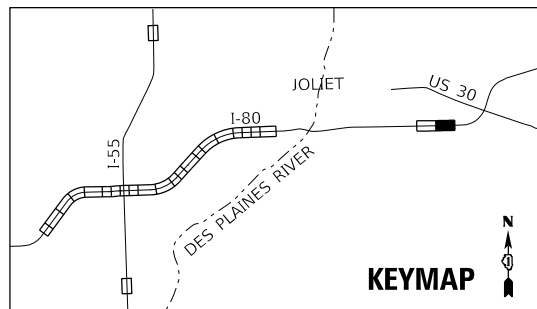
**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

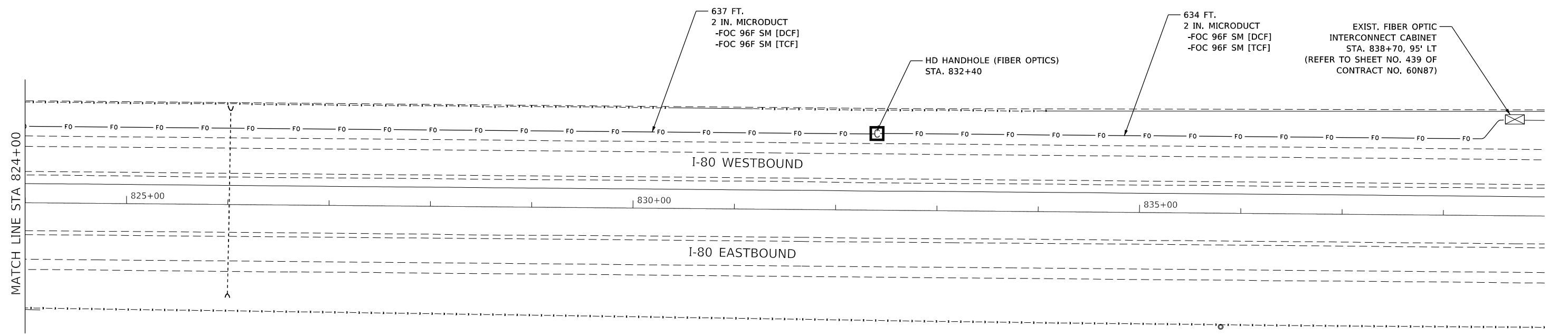
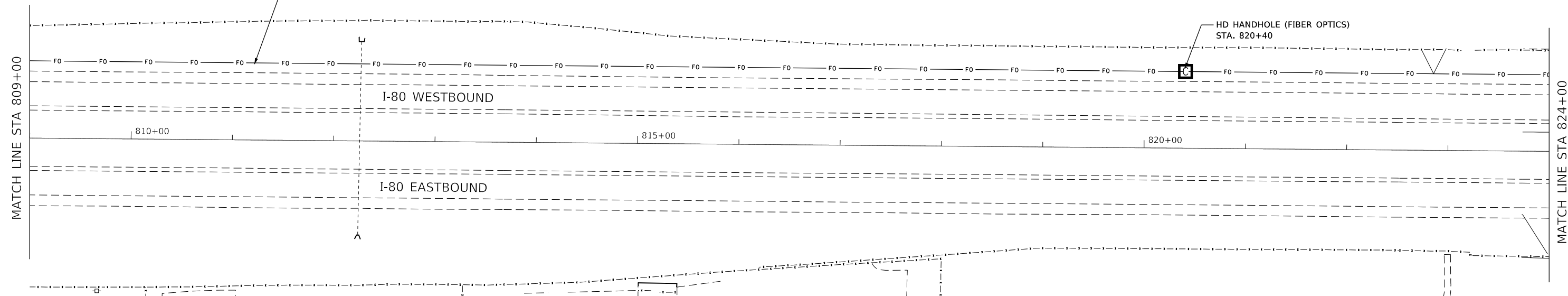
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	75
			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-32

*I-55, I-80, & I-290



1200 FT.
2 IN. MICRODUCT
-FOC 96F SM [DCF]
-FOC 96F SM [TCF]



MODEL: D:\default... FILE NAME: ILL10601Task_Order_6004_CADD\CADD_Sheet\1D161666-shr-ht-3232-conduit_plan.dgn



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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED ITS PLAN
FIBER OPTIC BACKBONE FOR CHERRY HILL DMS**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

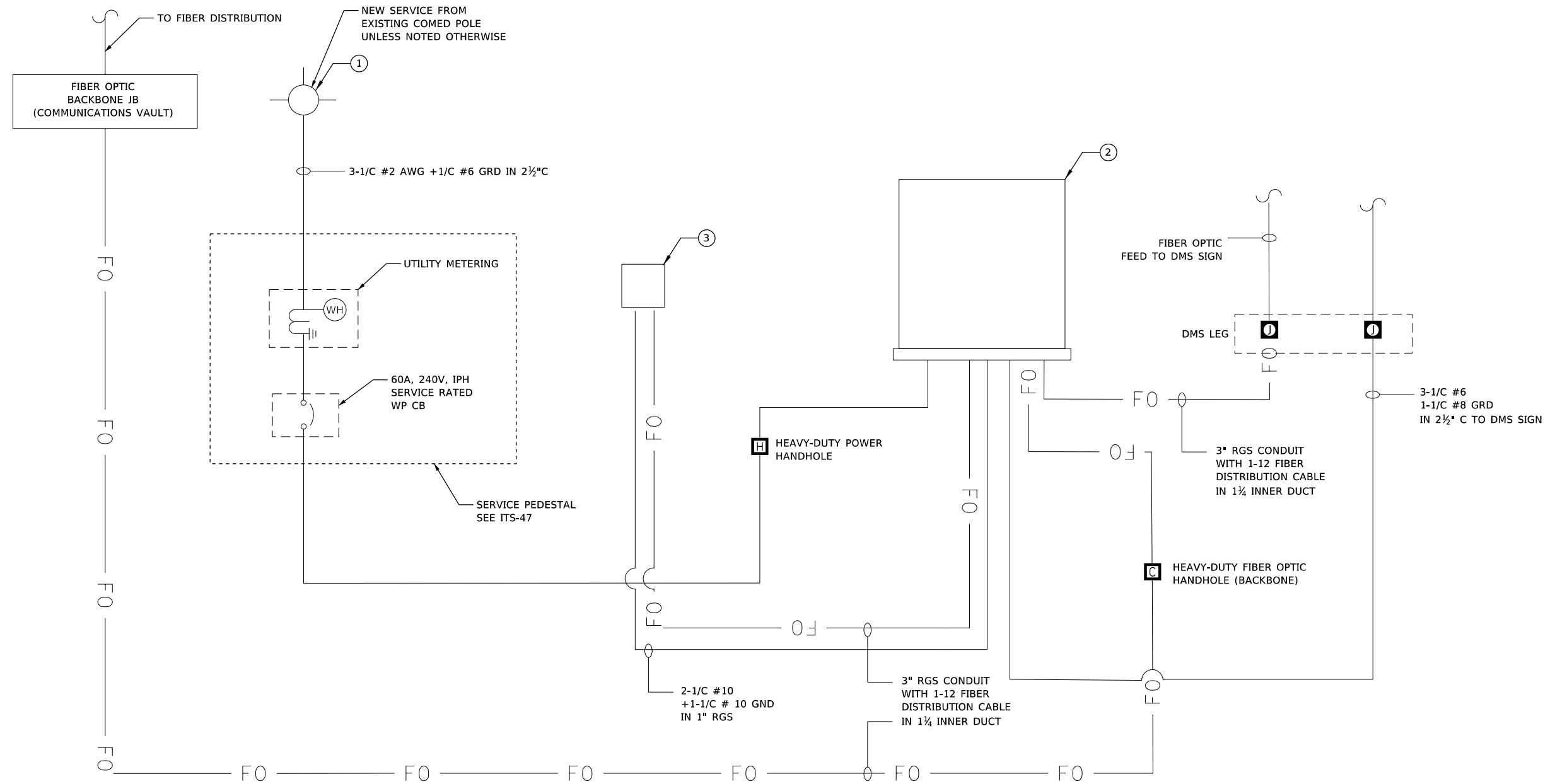
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	77
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-34

*I-55, I-80, & I-290

KEYED NOTES

- ① REFER TO SHEET ITS-03, ITS-04, ITS-05, ITS-06, ITS-07 & ITS-10 FOR POWER POLE LOCATION
- ② DMS CONTROL CABINET
- ③ ITS ELEMENT CABINET ON CAMERA POLE



DYNAMIC MESSAGE SIGN SINGLE LINE DIAGRAM

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DATE: 10/10/2018



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	DATE - 10/12/2018	REVISED -

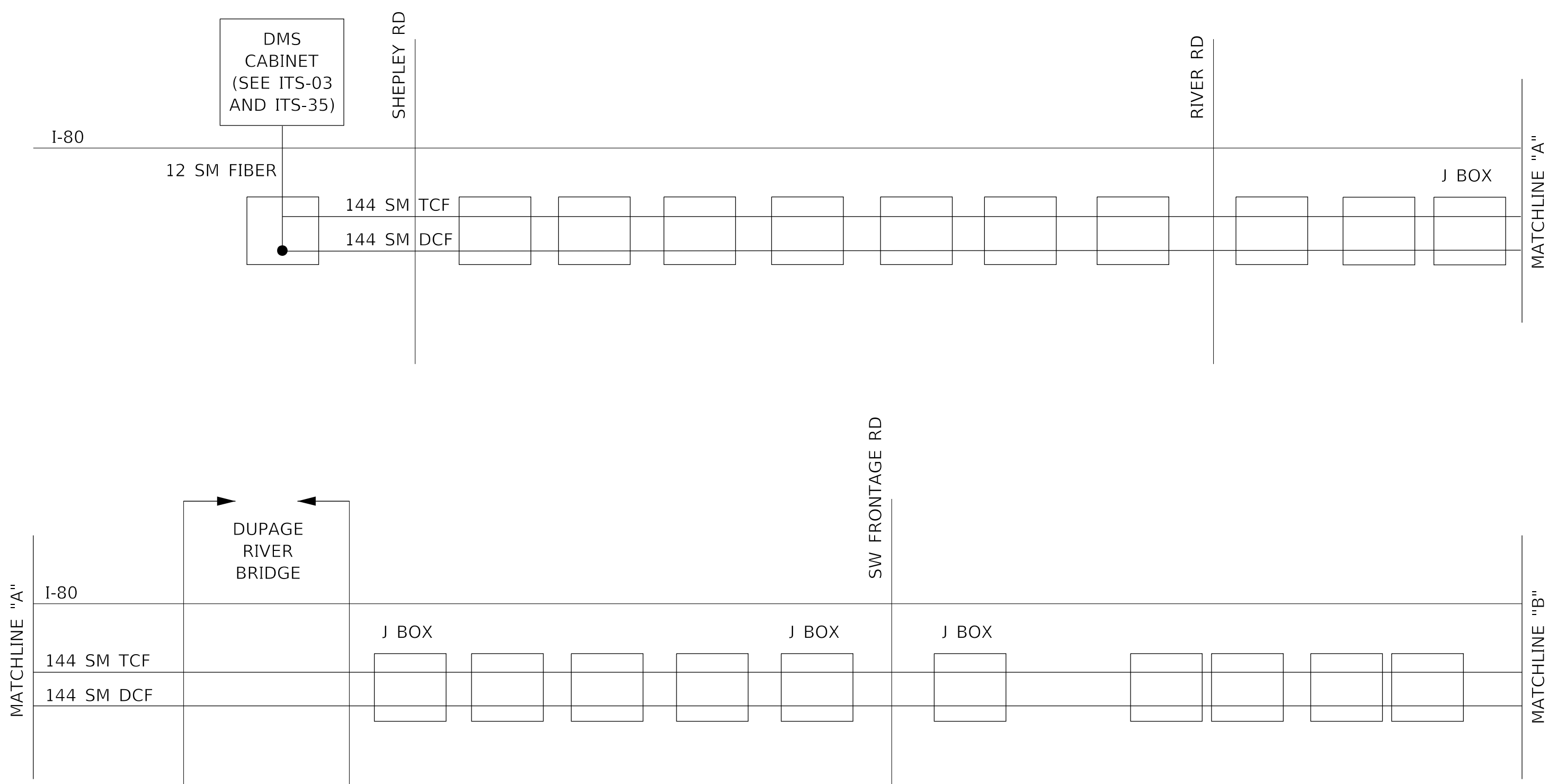
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DYNAMIC MESSAGE SIGN SINGLE LINE DIAGRAM

SCALE: NTS SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	78
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

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- LEGEND**
- PROPOSED COMMUNICATION VAULT
 - J BOX
 - FIBER OPTIC SPLICE-LATERAL



USER NAME = nguo	DESIGNED - KV_____	REVISED - _____
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

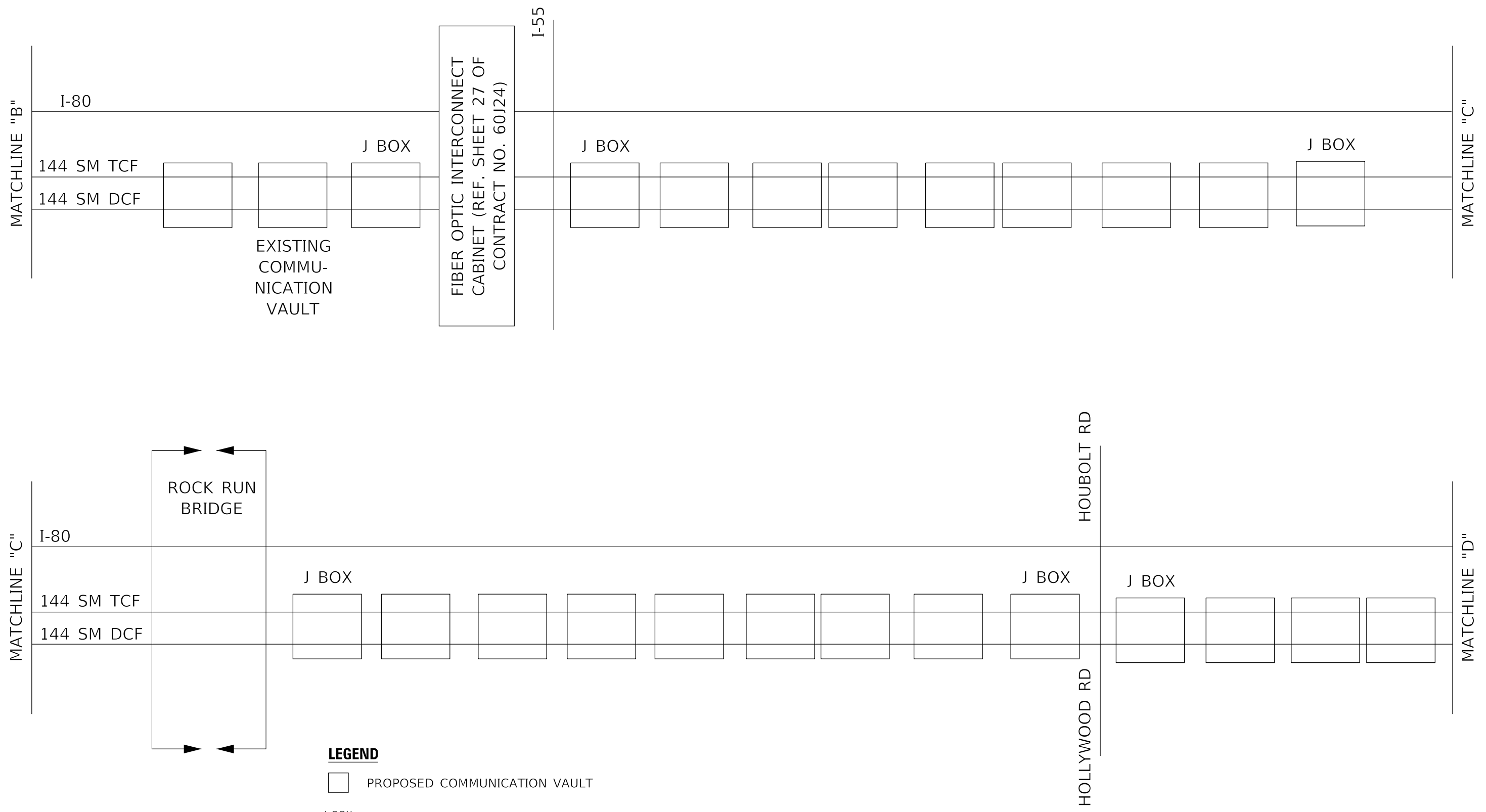
**I-80 (FROM SHEPLEY RD TO MIDLAND AVE)
 FIBER OPTIC SINGLE LINE DIAGRAM (1 OF 3)**

SCALE: SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	79
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-36
 *I-55, I-80, & I-290

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- LEGEND**
- PROPOSED COMMUNICATION VAULT
 - J BOX
 - PROPOSED JUNCTION BOX
 - FIBER OPTIC SPLICE-LATERAL



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PLOT DATE = 10/10/2018	DATE - 10/12/2018	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

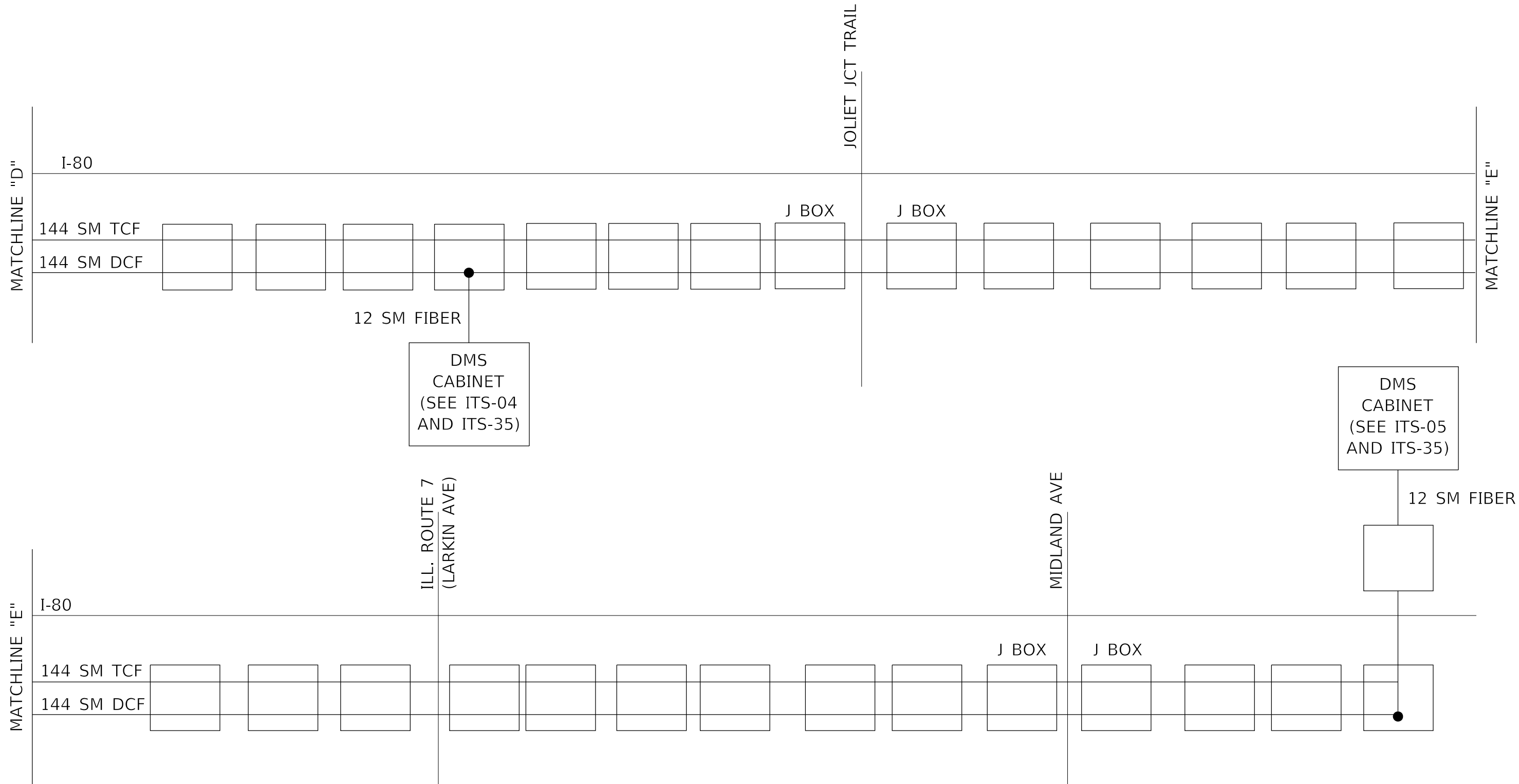
**I-80 (FROM SHEPLEY ROAD TO MIDLAND AVE)
 FIBER OPTIC SINGLE LINE DIAGRAM (2 OF 3)**

SCALE: SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	80
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-37
 *I-55, I-80, & I-290

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- LEGEND**
- PROPOSED COMMUNICATION VAULT
 - J BOX
 - PROPOSED JUNCTION BOX
 - FIBER OPTIC SPLICE-LATERAL



USER NAME = nguo	DESIGNED - KV_____	REVISED - _____
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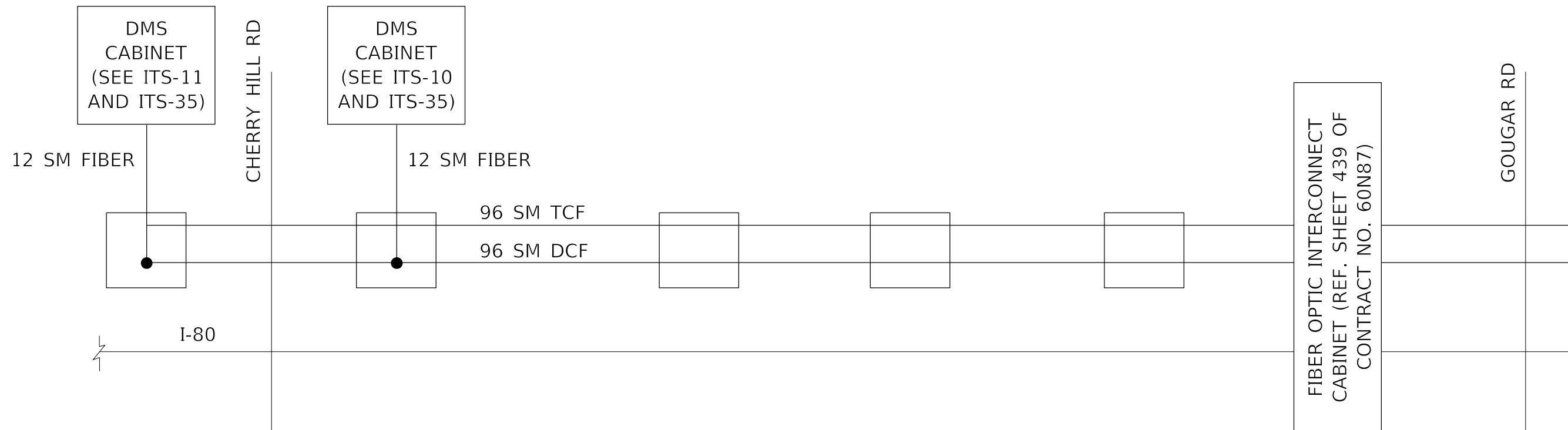
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-80 (FROM SHEPLEY RD TO MIDLAND AVE)
FIBER OPTIC SINGLE LINE DIAGRAM (3 OF 3)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	81
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-38

*I-55, I-80, & I-290



LEGEND

- PROPOSED COMMUNICATION VAULT
- J BOX
- PROPOSED JUNCTION BOX
- FIBER OPTIC SPLICE-LATERAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

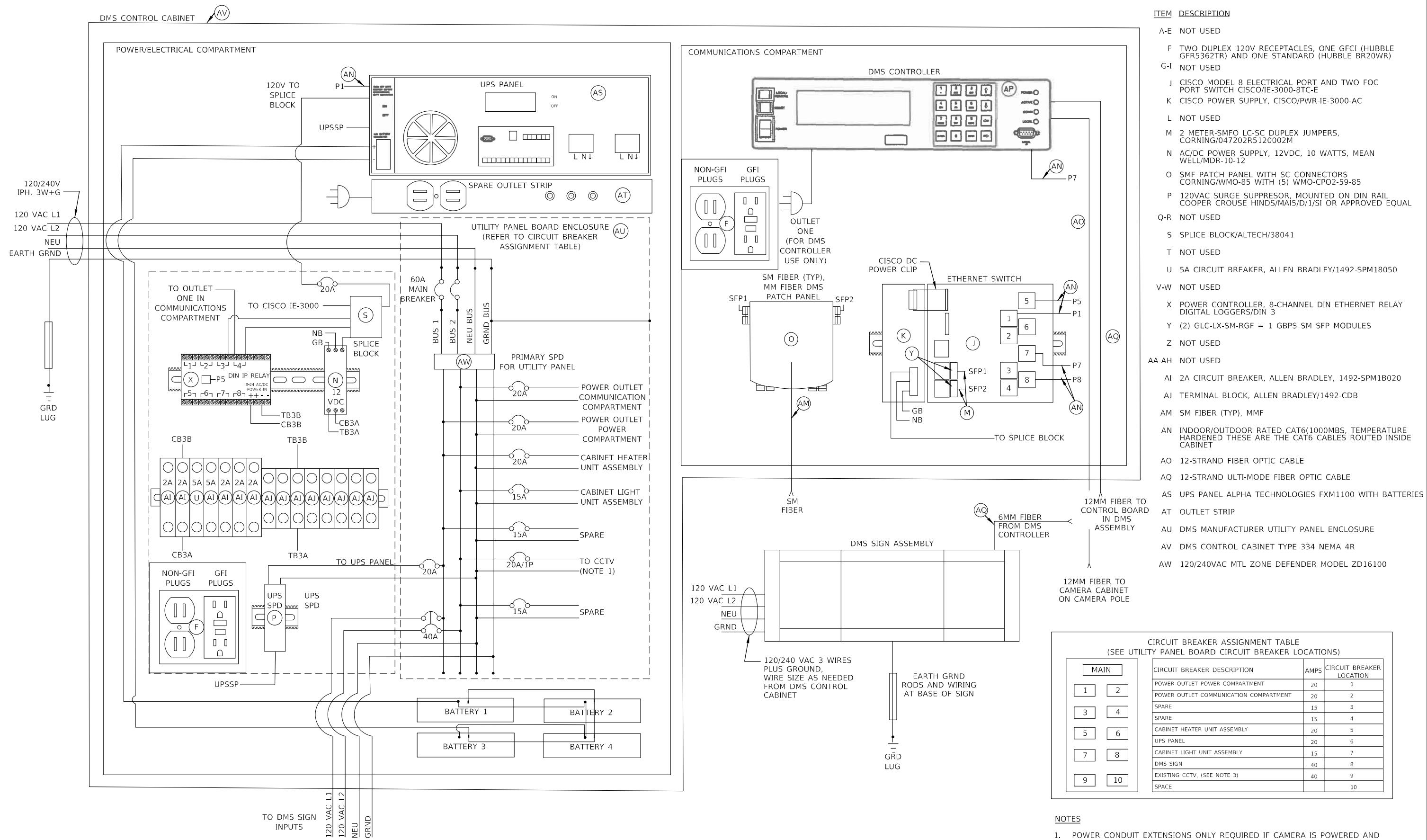
I-80 (FROM CHERRY HILL RD TO US 30)
FIBER OPTIC SINGLE LINE DIAGRAM

SCALE: SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	82
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-39

*I-55, I-80, & I-290



NOTE: FABRICATOR TO PROVIDE CABINET DRAWINGS SUBMITTAL FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

NOTES
 1. POWER CONDUIT EXTENSIONS ONLY REQUIRED IF CAMERA IS POWERED AND CONTROLLED FROM DMS CONTROLLER

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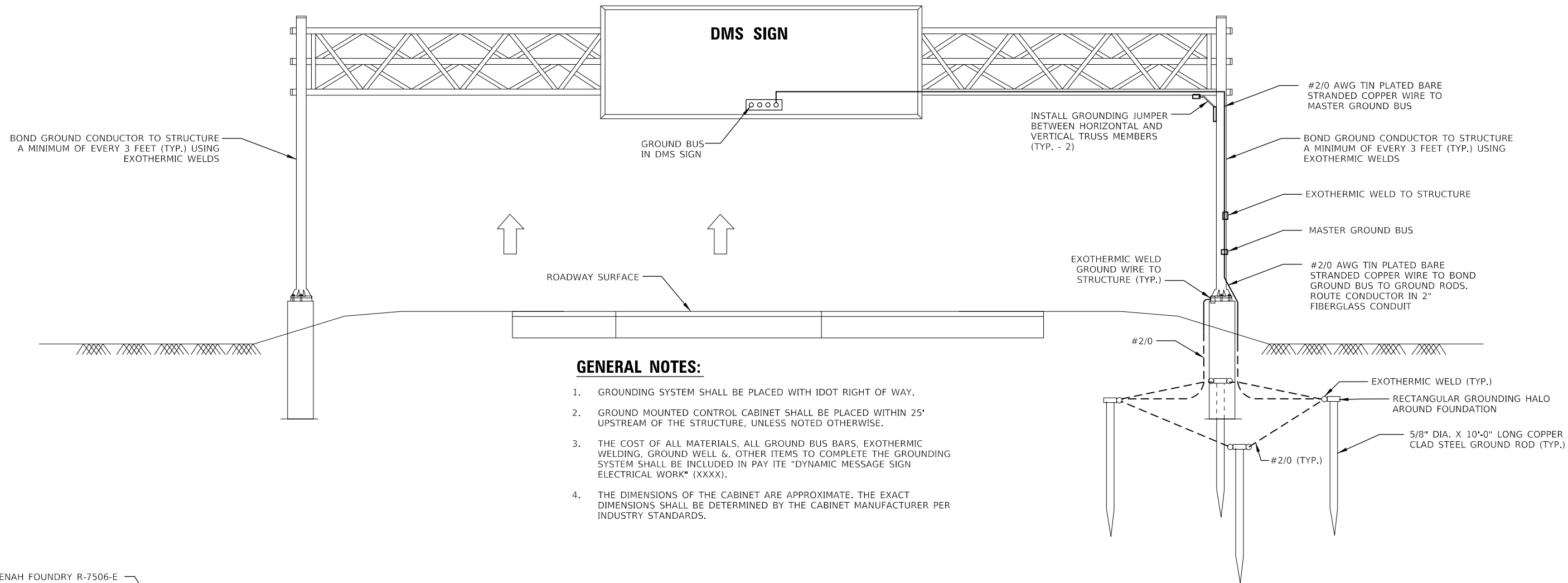
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DMS COMMUNICATION CABINET DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

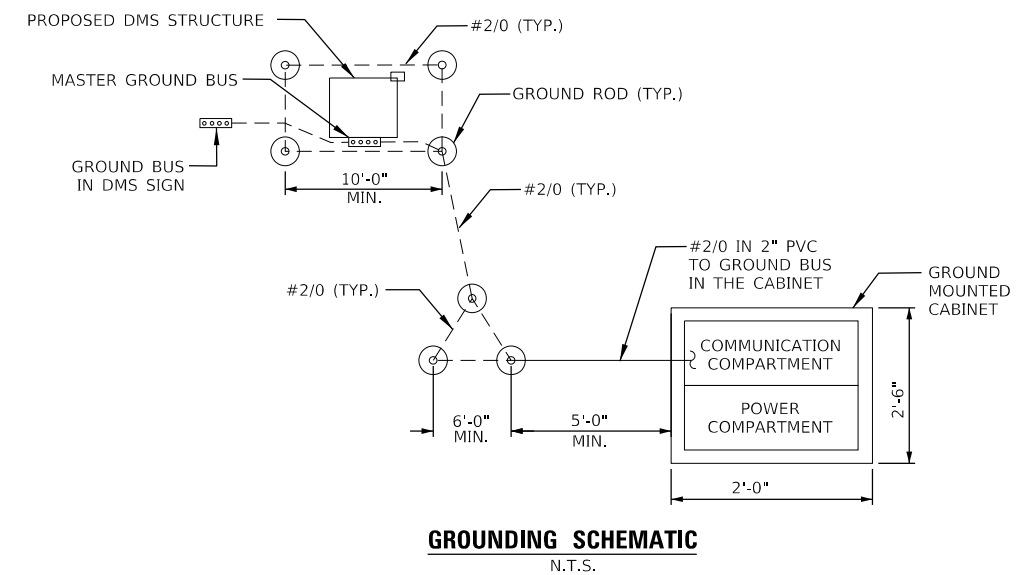
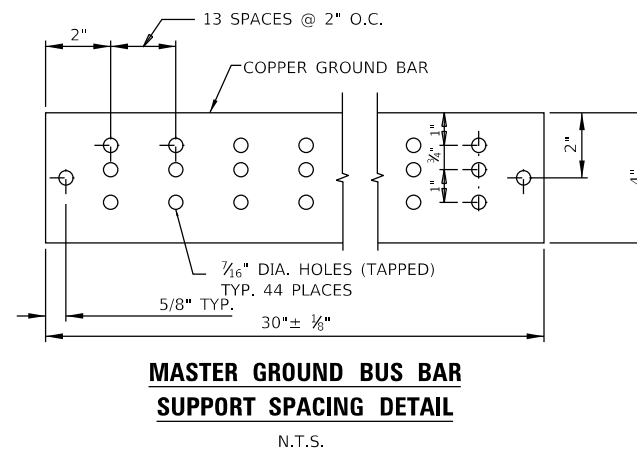
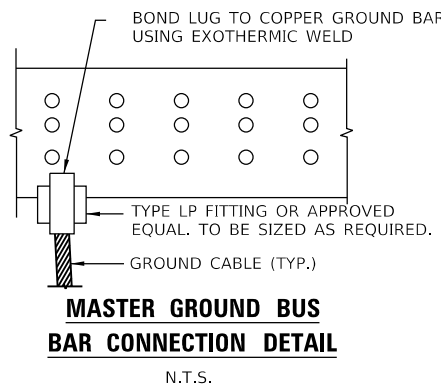
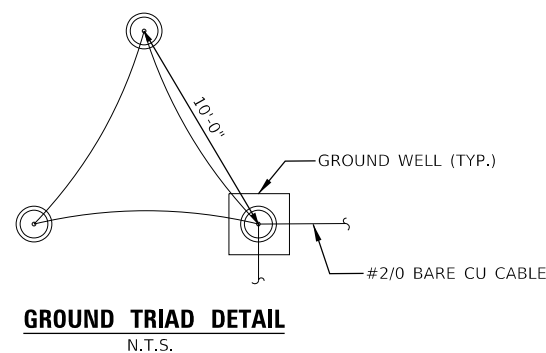
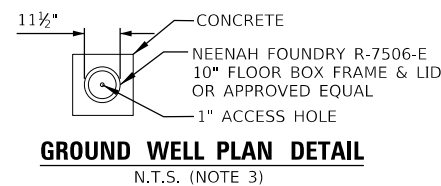
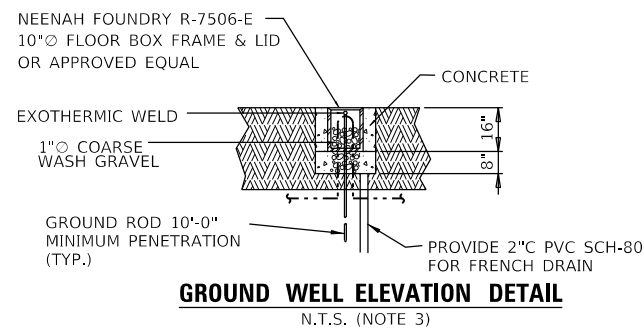
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	83
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-40
 *1-55, I-80, & I-290



GENERAL NOTES:

1. GROUNDING SYSTEM SHALL BE PLACED WITH IDOT RIGHT OF WAY.
2. GROUND MOUNTED CONTROL CABINET SHALL BE PLACED WITHIN 25' UPSTREAM OF THE STRUCTURE, UNLESS NOTED OTHERWISE.
3. THE COST OF ALL MATERIALS, ALL GROUND BUS BARS, EXOTHERMIC WELDING, GROUND WELL &, OTHER ITEMS TO COMPLETE THE GROUNDING SYSTEM SHALL BE INCLUDED IN PAY ITE "DYNAMIC MESSAGE SIGN ELECTRICAL WORK" (XXXX).
4. THE DIMENSIONS OF THE CABINET ARE APPROXIMATE. THE EXACT DIMENSIONS SHALL BE DETERMINED BY THE CABINET MANUFACTURER PER INDUSTRY STANDARDS.



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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DYNAMIC MESSAGE SIGN
GROUNDING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

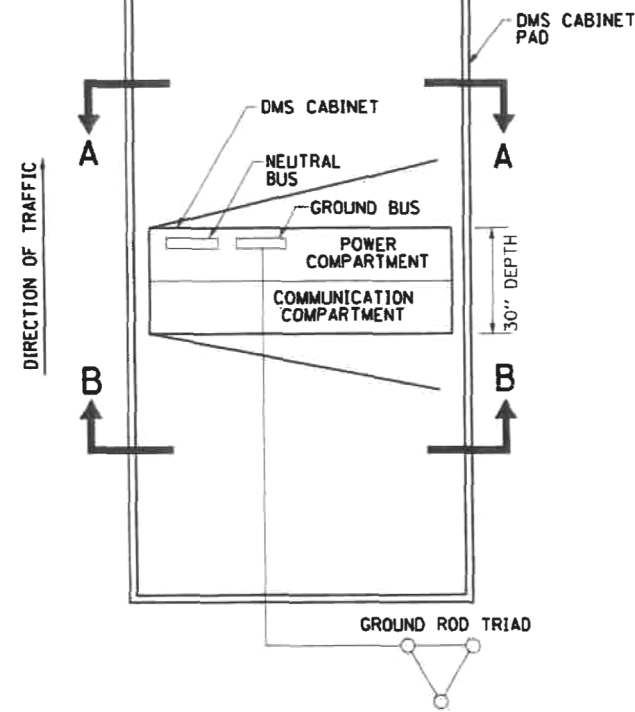
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	84
WILL/DUPAGE			CONTRACT NO. 62G66	
ILLINOIS FED. AID PROJECT				

ITS-41

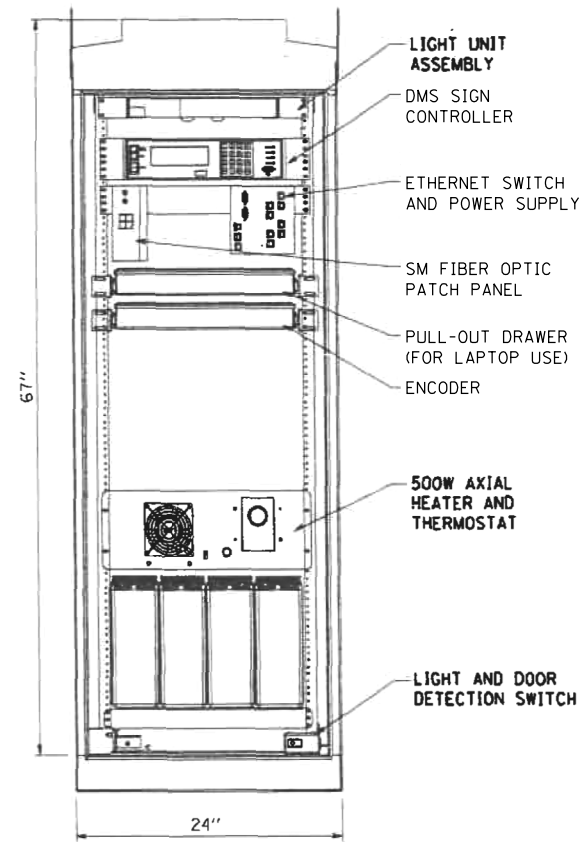
*I-55, I-80, & I-290

DMS CABINET NOTES:

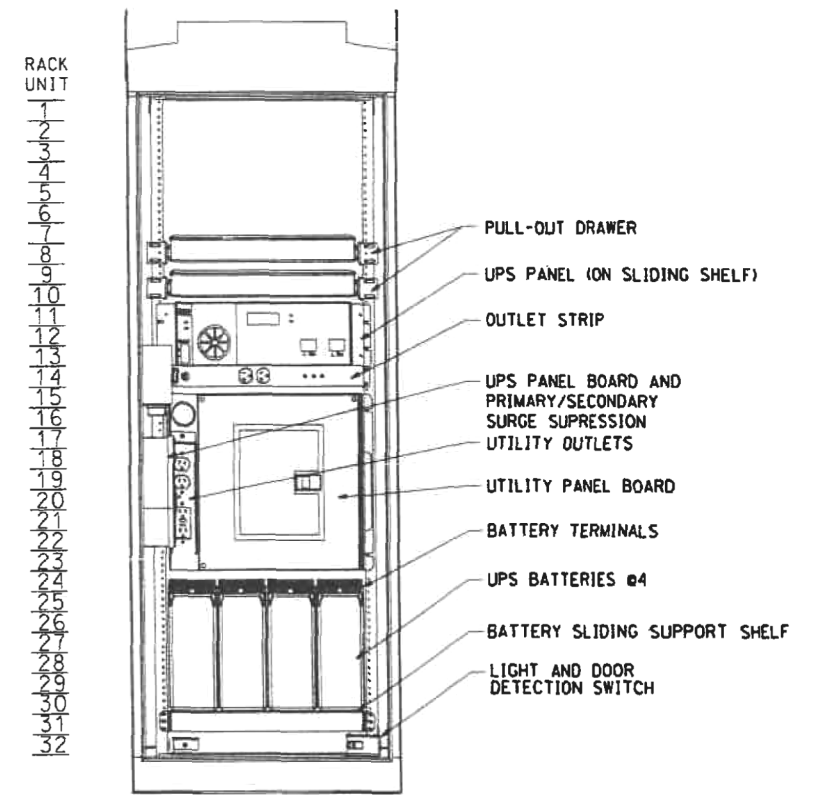
- PAD MOUNT CONFIGURATION
- 0.125" ALUMINUM 5052-H34 CONSTRUCTION WITH CONTINUOUSLY WELDED EXTERNAL SEAMS
- THREE POINT LATCH WITH SST HANDLE
- DOUBLE FLANGED DOOR SEAL WITH 1/2" X 2" CLOSED CELL NEOPRENE GASKET
- FULL LENGTH EIA GAGE FOR 19" EQUIPMENT
- ADJUSTABLE PULL OUT DRAWER
- DOOR OPENING: 21.50" X 54.75"
- FULL LENGTH STAINLESS STEEL HINGE
- ALL STAINLESS STEEL HARDWARE
- CORBIN #2 LOCK
- NEMA 4R ENCLOSURE
- SHIPPED ON WOOD PALLET
- MOUNT EXISTING LAYER 2 ETHERNET SWITCH (DIN-RAIL MOUNT) USING DIN-RAIL MOUNT
- BATTERIES AND UPS SHALL BE PLACED ON A SLIDING SHELF
- CABINET DIMENSIONS 24" X 30" X 67"



DMS CABINET
SCALE: NTS



SECTION B-B FRONT VIEW
(NO DOOR SHOWN)



SECTION A-A REAR VIEW
(NO DOOR SHOWN)

NOTE: SPLICE BLOCK, CONTROL POWER TRANSFORMER & DIN IP RELAY MOUNTED ON SIDE WALL ADJACENT UTILITY PANEL BOARD

DMS CABINET LAYOUT DETAILS
SCALE: NTS

NOTES:

- THE ENCLOSURE SHALL BE WEATHER PROOF NEMA 4R FOR ROADSIDE CABINET. CABINET SHALL BE AS PER THE REQUIREMENT OF SECTION 1074 OF IDOT.
- THE CABINET SHALL UTILIZE EIA STANDARD 19" RACK AND DESIGNED WITH FRONT AND REAR LOCKABLE DOORS.
- THIS IS SCHEMATIC LAYOUT, FINAL DESIGN OF CABINET INCLUDING SIZING AND EQUIPMENT LAYOUT SHALL BE DONE BY THE CONTRACTOR OR CABINET MANUFACTURER PER INDUSTRY STANDARDS.
- ALL EQUIPMENT, COMPONENT, WIRE PATCH CORDS, CABLES, RACKS AND SHELVES INSTALLED SHALL BE LABELLED PER ANSI/EIA/TIA-606-B AND IDOT LABELING GUIDE.
- FRONT DOOR IS HINGED ON THE LEFT (AS VIEWED FROM THE FRONT). REAR DOOR IS HINGED ON THE RIGHT (AS VIEWED FROM THE REAR). THERE SHALL BE MINIMUM OF 36" FRONT AND REAR DOOR WORKING CLEARANCES TO ALLOW FOR EQUIPMENT TO BE EASILY REPLACED IN THE FIELD.
- BOTH DOORS HAVE LOUVERS WITH 12" X 16" METAL AIR FILTERS AND LOUVERED FILTER COVERS, THREE POINT LATCHING, (2) TWO POSITION DOOR STOPS (90 AND 120 DEGREES), A 3/4" DIA., STAINLESS STEEL PAD-LOCKABLE HANDLE, #2 MAIN DOOR LOCKS, DOCUMENT POUCH BRACKETS WITH ONE DOCUMENT POUCH AND NEOPRENE GASKET ALL AROUND.
- CABINET SHALL HAVE 14 GA. STAINLESS STEEL HINGES PER DOOR, HINGES MUST BE CONCEALED TO PREVENT REMOVAL WHILE DOOR IS CLOSED.
- CABINET SHALL HAVE A FULL SET OF SUNSHIELDS (FRONT AND REAR DOORS, RIGHT AND LEFT SIDES AND TOP). SIDE AND DOOR SUNSHIELDS SHALL BE ATTACHED WITH BOLTS AND 1" SPACER INTO PRESS-IN INSERTS. TOP SUNSHIELD SHALL BE ATTACHED TO Z-BRACKETS (Z-BRACKETS WELDED TO CABINET TOP).
- ALL BOLTS ARE TAMPER PROOF, STAINLESS STEEL.
- CABINET SHALL HAVE FAN PLENUM PLATE FOR DUAL FANS.
- ALL HARDWARE SHALL BE STAINLESS STEEL.
- CABINET SHALL HAVE REMOTE MONITORING SYSTEM FOR CABINET TEMPERATURE, DOOR ALARM STATUS, MAIN POWER SURGE ARRESTER STATUS, CONTROLLER UPS FUNCTIONING STATUS, AND REGULATED POWER SUPPLY MODULE STATUS.
- CONDUIT PENETRATIONS SHALL BE CAULKED AROUND THE BOTTOM TO MAKE THE INSTALLATION OF THE CABINET TO THE CONCRETE PAD WATERTIGHT. THE EQUIPMENT PAD SHALL BE LEVEL AND PROVIDE FOR A MINIMUM HEIGHT ABOVE THE SURROUNDINGS LANDSCAPING OF 3 INCHES ON ALL SIDES REGARDLESS OF A SLOPE CONDITION.
- ALL WORK SHOWN ON THIS DRAWING WILL BE PAID FOR UNDER PAY ITEM "DYNAMIC MESSAGE SIGN CONTROL CABINET ASSEMBLY: (ITEM #X0323917)

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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DMS SIGN POWER CABINET DETAILS

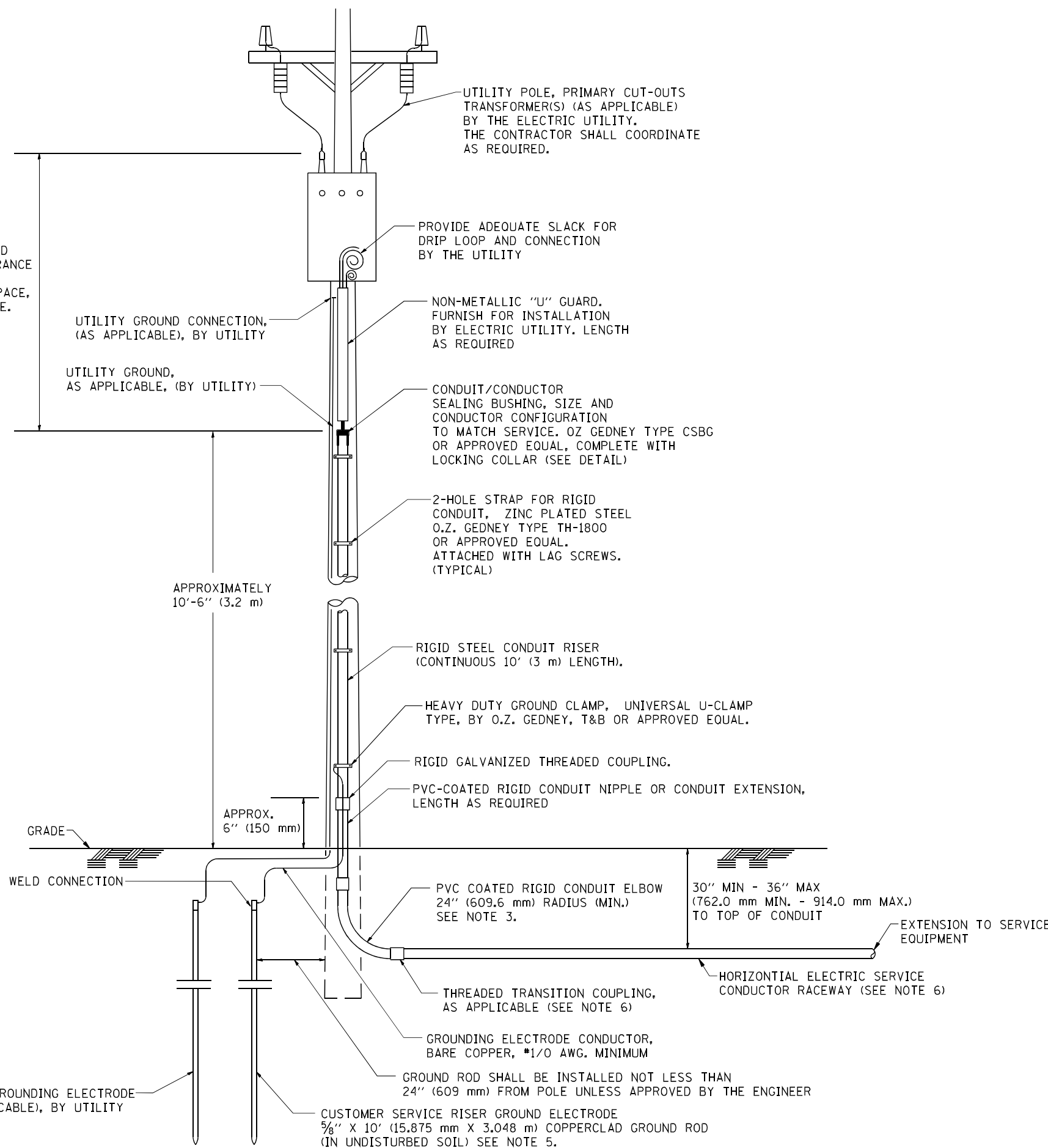
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	85
CONTRACT NO. 62G66				
ILLINOIS FED. AID PROJECT				

ITS-42

*I-55, I-80, & I-290

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

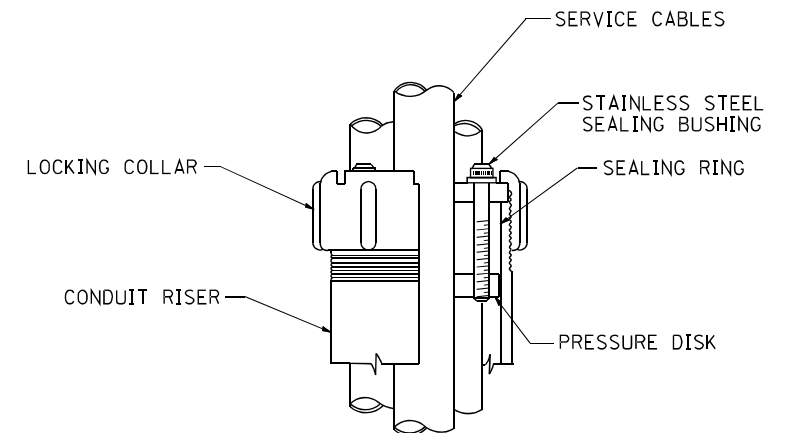


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

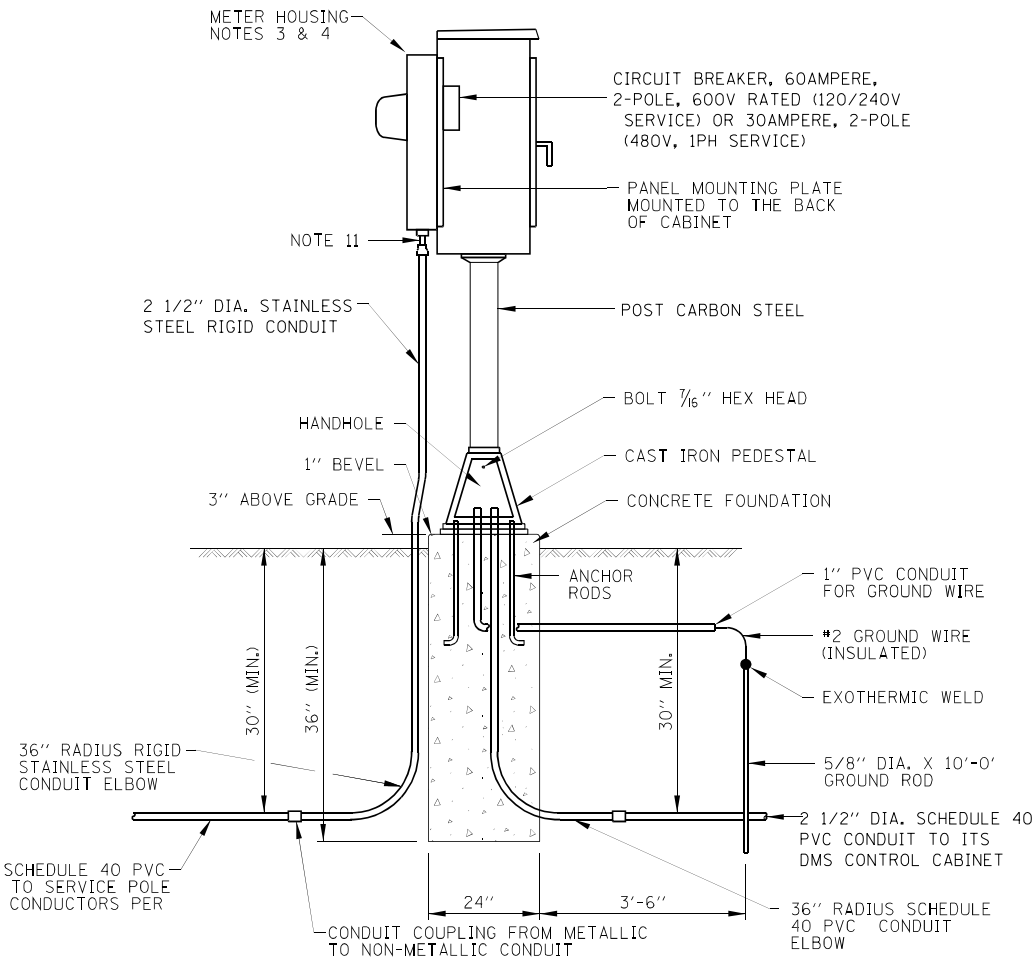
**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	86
BE-220			CONTRACT NO. 62G66	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

ITS-43

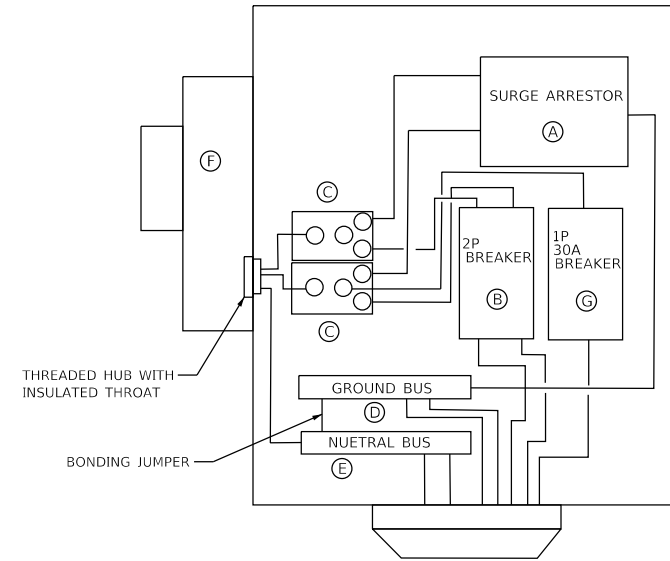
*I-55, I-80, & I-290



SERVICE PEDESTAL WITH METER DETAIL

(NOTE 9)

- NOTES:**
- CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED. THE EXTERIOR SHALL HAVE TWO EPOXY FINISH COATS OF ANSI-61 GRAY. THE INTERIOR SHALL BE PAINTED WHITE.
 - METER HOUSING SHALL BE MOUNTED TO BACK WALL OF CABINET. PROVIDE A GATE IN ROW FENCE TO ALLOW UTILITY ACCESS TO READ THE METER.
 - CABLES FROM METER HOUSING SHALL PASS THROUGH BACK WALL OF CABINET.
 - METER HOUSING SHALL BE MILBANK CATALOG NUMBER U8949.
 - THE CABINET SHALL BE 36"H x 20"W x 15"D, FABRICATED FROM ALUMINUM WITH A MINIMUM THICKNESS OF .125", RATED NEMA TYPE 3R AND HAVE A MOUNTING BACK PLATE.
 - THE CABINET DOOR SHALL HAVE A CONTINUOUS HINGE THAT IS BOLTED TO THE CABINET AND DOOR WITH 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGE SHALL BE INSTALLED ON THE RIGHT SIDE WHEN FACING THE CABINET AND BE MADE OF STAINLESS STEEL WITH A 0.25 INCH DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER-PROOF. THE CABINET SHALL HAVE A GASKET THAT FORMS A WEATHER-TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE DOOR LATCHING MECHANISM SHALL BE THE 3-POINT DRAW ROLLER TYPE. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL BE FABRICATED FROM A 0.75" STAINLESS STEEL ROUND BAR AND SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION.
 - THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
 - CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS.
 - THE CABINET, POST, PEDESTAL BASE, METER HOUSING, FOUNDATION, GROUND ROD, GROUND WIRE AND GROUND CONNECTIONS SHALL BE INCLUDED IN THE COST OF EACH ELECTRIC SERVICE INSTALLATION.
 - CONTRACTOR MUST COORDINATE WITH PEDESTAL BASE SUPPLIER AND FURNISH THE NECESSARY ANCHOR RODS.
 - PROVIDE A 2 1/2" CONDUIT HUB, 2 1/2" NIPPLE AND 2 1/2" TO 3" CONDUIT REDUCER FITTING.
 - ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.

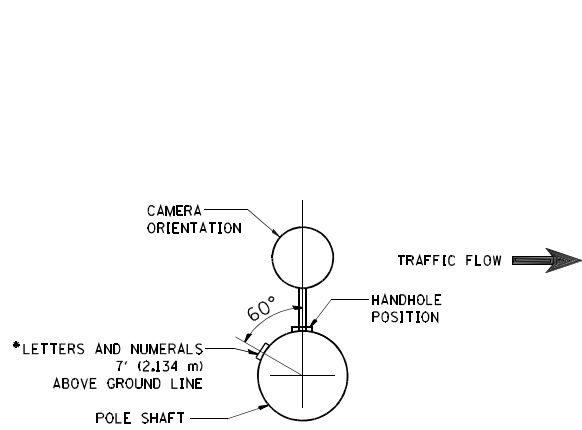


MATERIAL LAYOUT

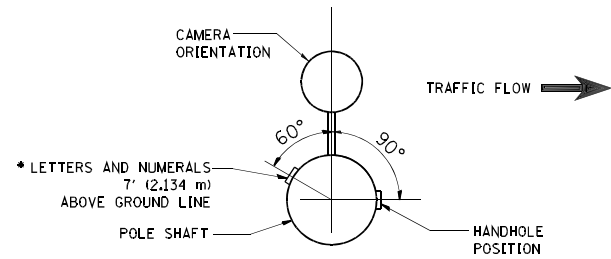
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
A	1	SURGE PROTECTOR
B	1	2P, MAIN CIRCUIT BREAKER
C	2	SPLICE BLOCK
D	1	GROUND BUS
E	1	NEUTRAL BUS
F	1	MILBANK U-8949 METER FITTING
G	1	1P, 30A BREAKER

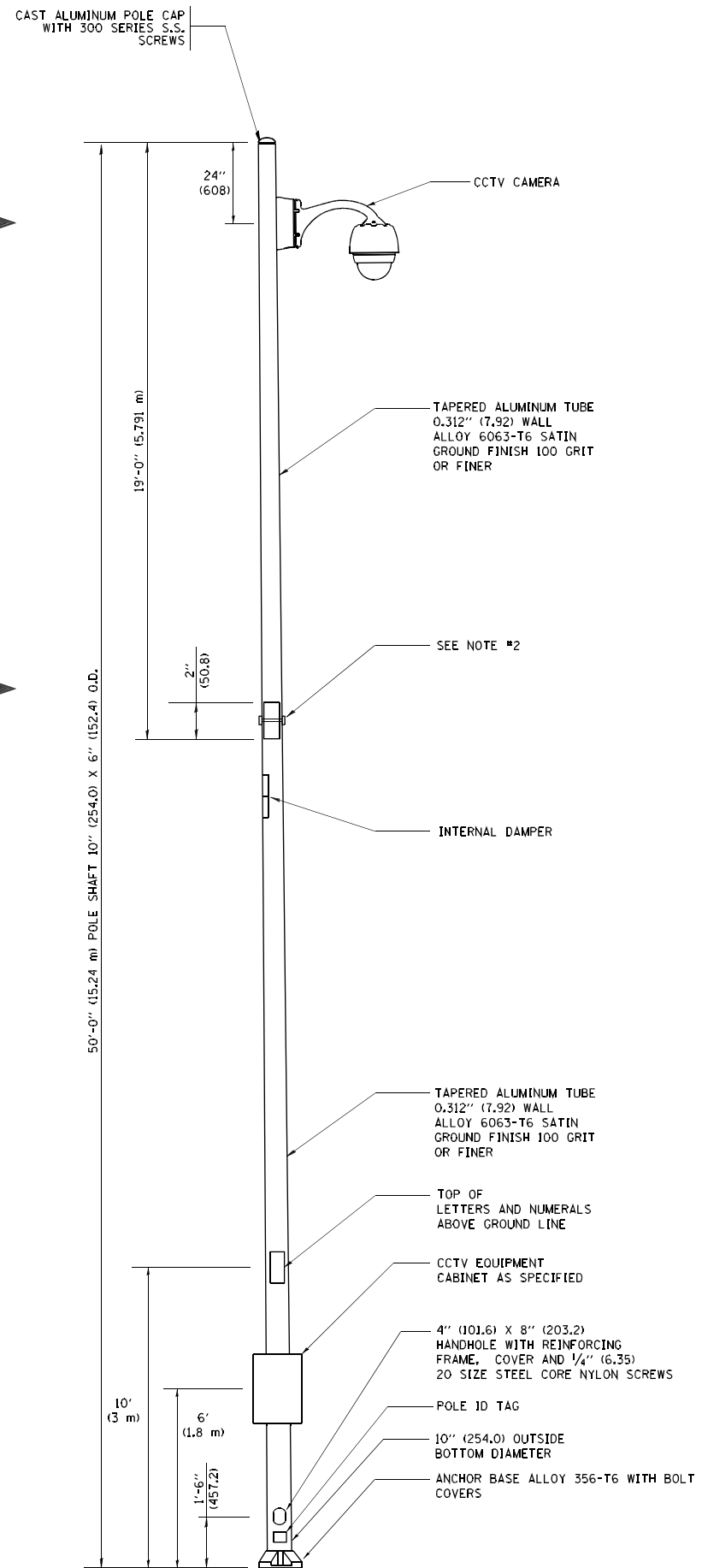
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POSITION OF HANDHOLE AND CAMERA NUMBER FOR POLE MOUNTED ON BRIDGE PARAPET OR BARRIER WALL

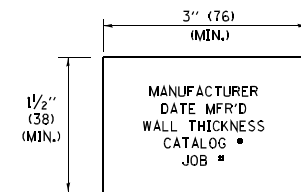


POSITION OF HANDHOLE AND CAMERA NUMBER

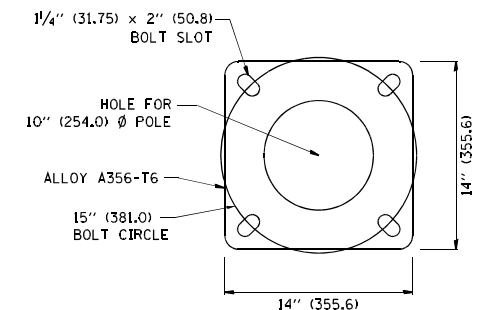


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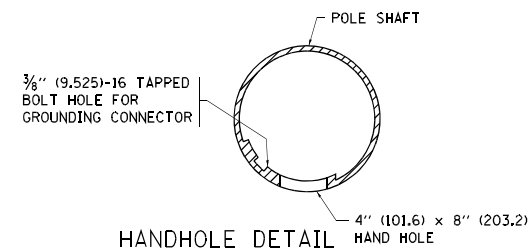
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
3. THE POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. POLES WILL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
6. POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



POLE ID TAG
NTS



POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL
(N.T.S.)

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

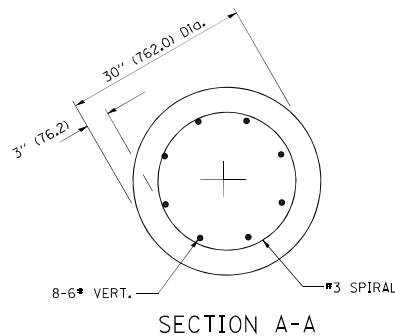
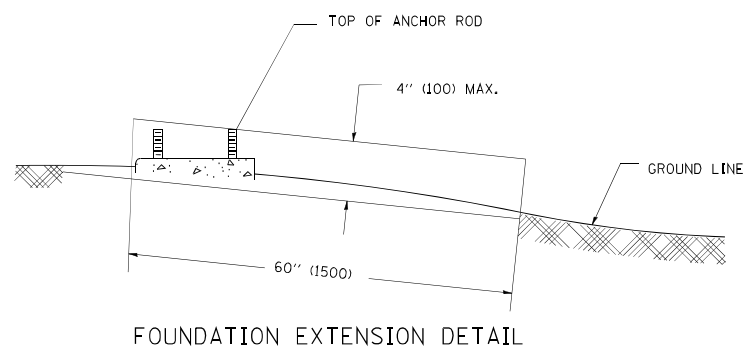
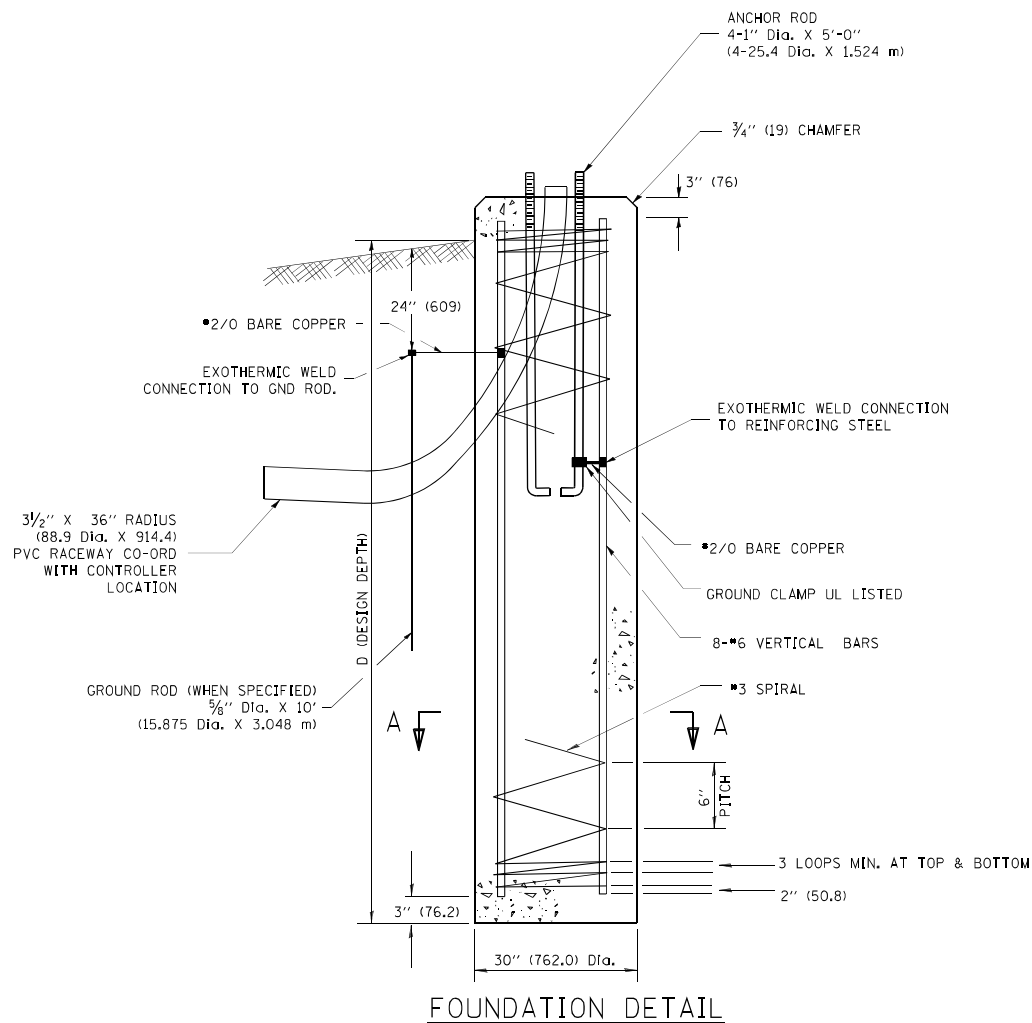
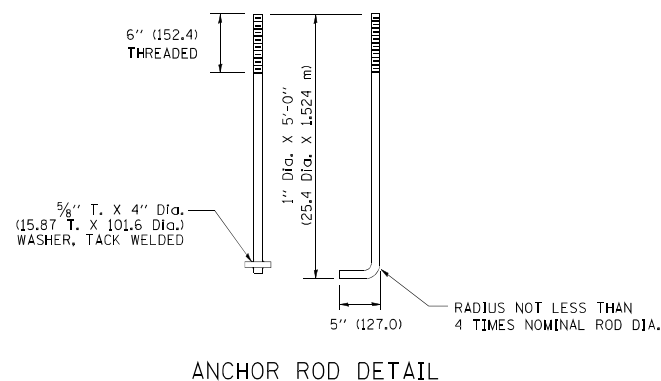
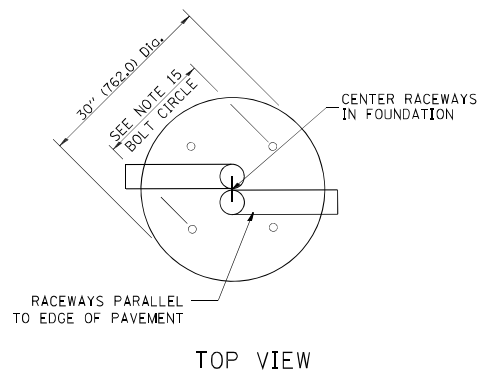
CCTV CAMERA STRUCTURE			
50' (15.24 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	88
BE-1000			CONTRACT NO. 62G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ITS-45
*I-55, I-80, & I-290

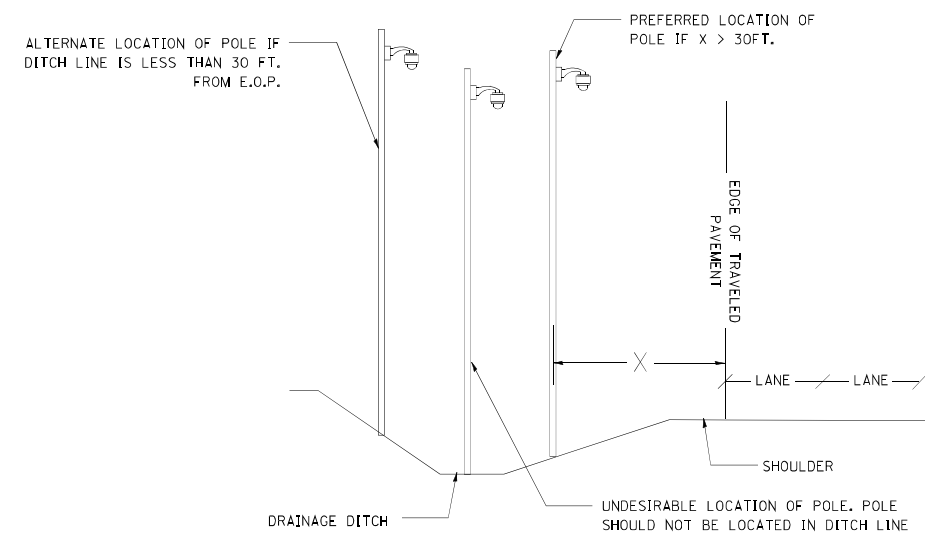
CCTV CAMERA POLE FOUNDATION DEPTH TABLE

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)
MEDIUM CLAY Qu = 0.75 TON/SQ. FT.	9'-6" (2.93 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)



NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 4H, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG (MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- ANCHOR ROD BOLT CIRCLE TO BE COORDINATED WITH CAMERA STRUCTURE



CAMERA POLE PLACEMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

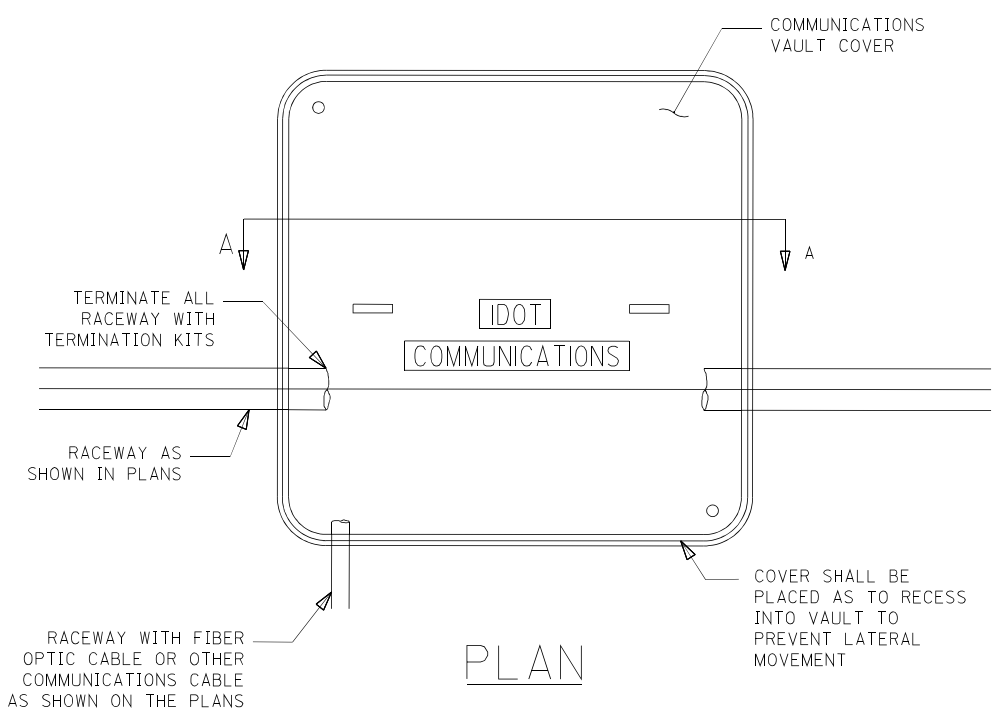
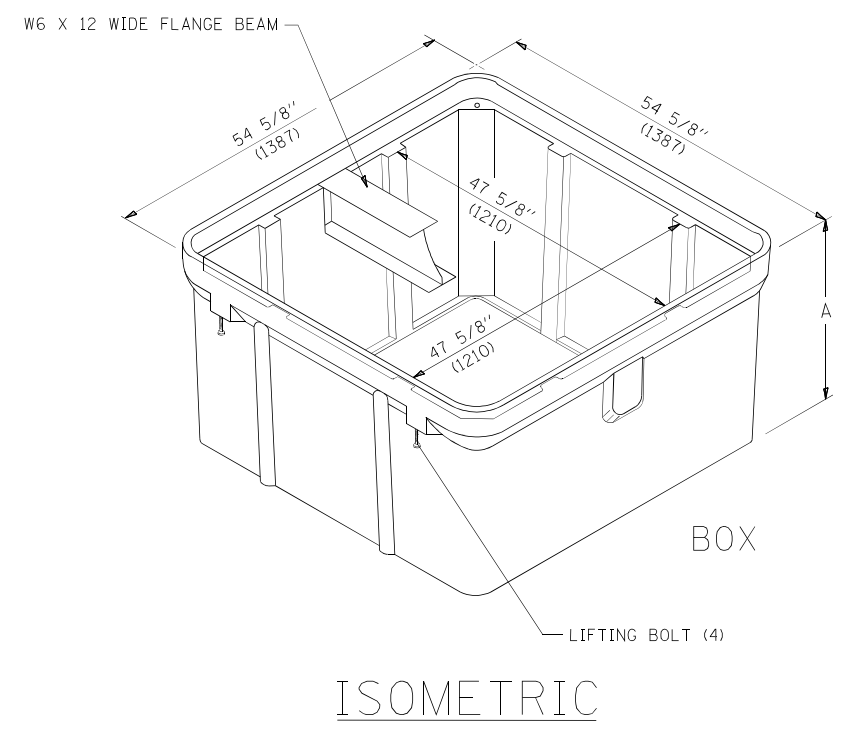
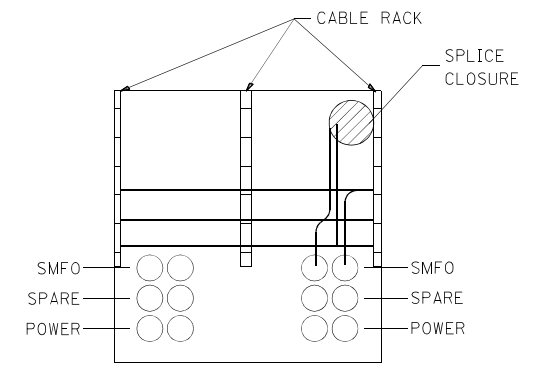
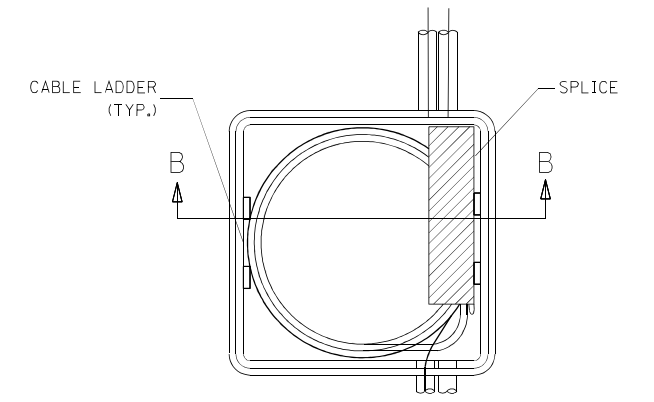
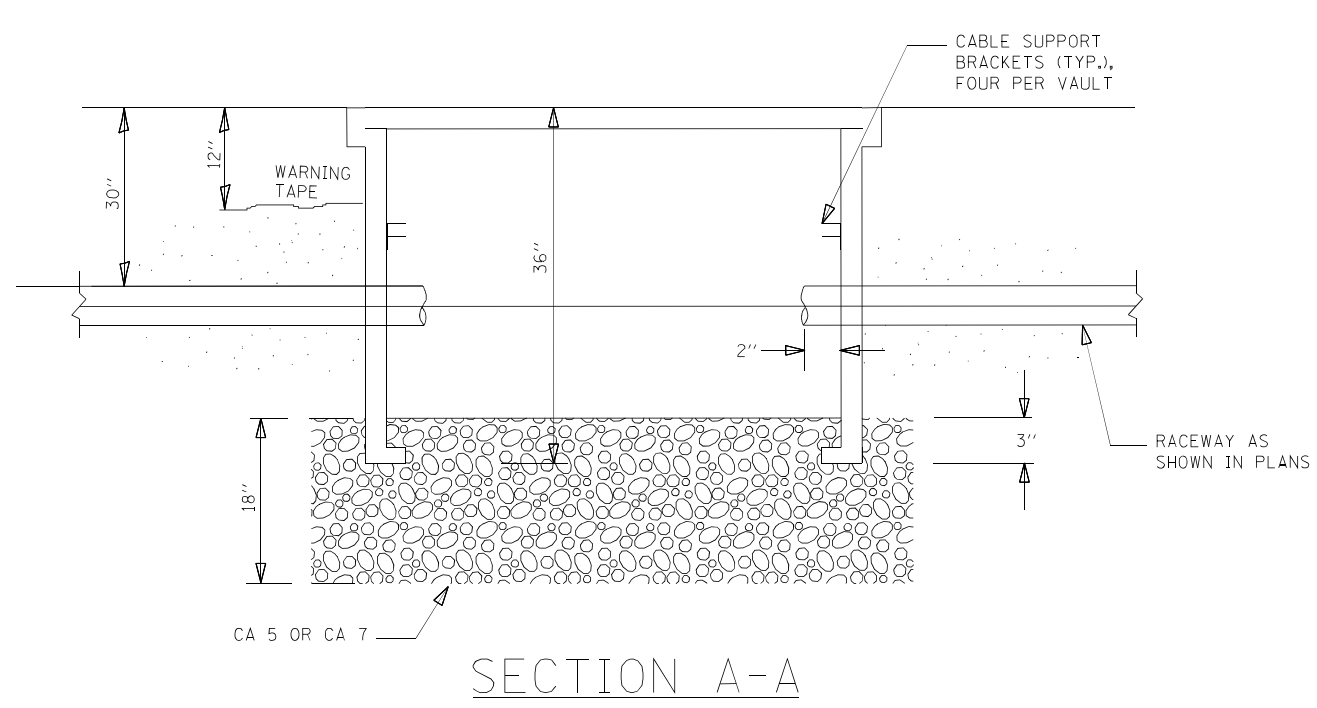
CCTV CAMERA STRUCTURE FOUNDATION
50' (15 - 24m) MOUNTING HEIGHT

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I		177	89
BE-1001			CONTRACT NO. 62G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ITS-46

*I-55, I-80, & I-290



NOTES:

1. BOX SHALL HAVE AN OPEN BASE.
2. COVER SHALL WITHSTAND A 22,500/33,750 DESIGN/TEST LOADING AND SHALL LOCK.
3. ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION OR PUNCH DRIVEN AT TIME OF PLACEMENT. IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. FIELD PLACEMENT OF COMMUNICATIONS VAULT SHALL BE AS DIRECTED BY THE ENGINEER.
5. ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE HANDHOLE MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.

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MODEL: Default
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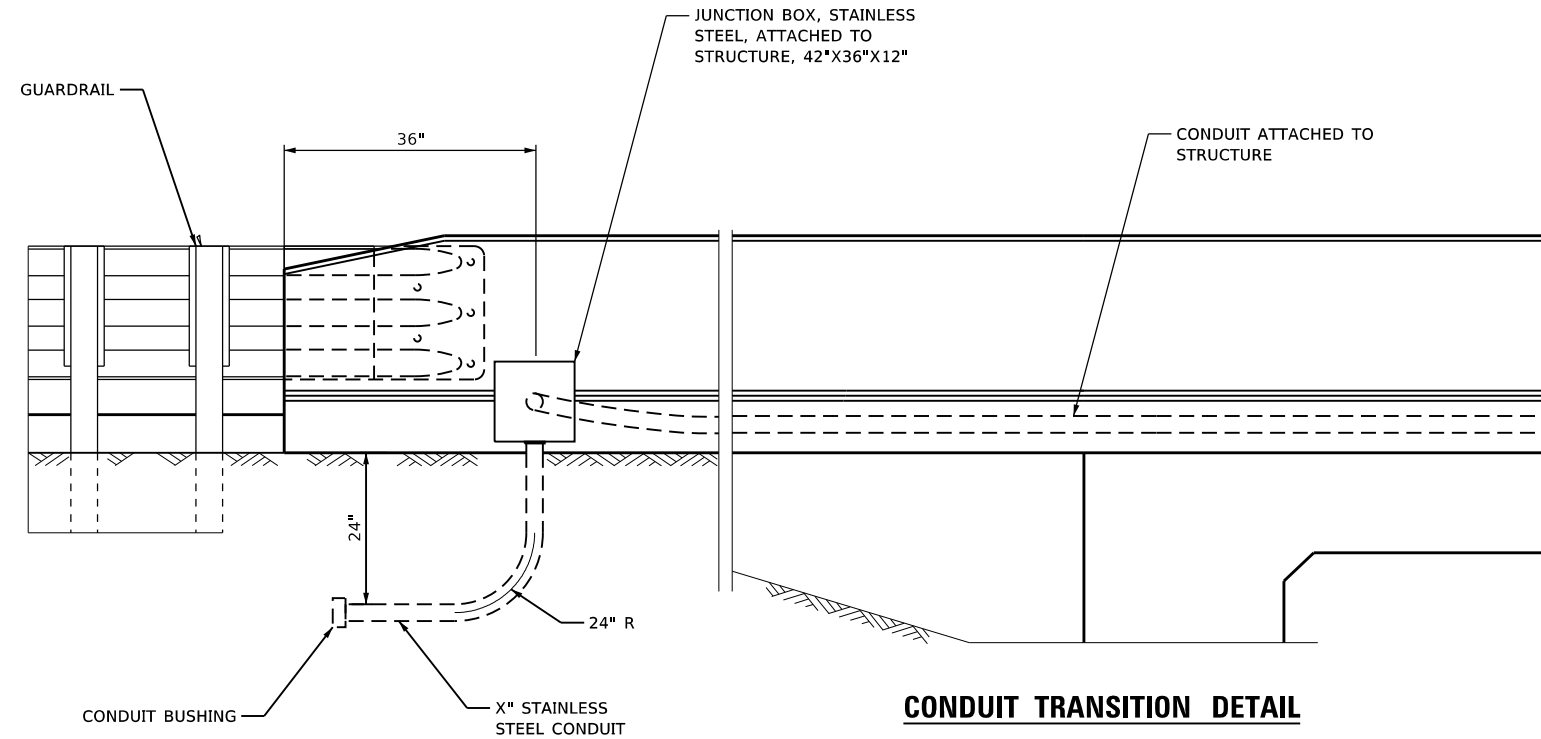
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMUNICATIONS VAULT, COMPOSITE CONCRETE

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	90
BE-705			CONTRACT NO. 62G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ITS-47
*I-55, I-80, & I-290



CONDUIT TRANSITION DETAIL

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

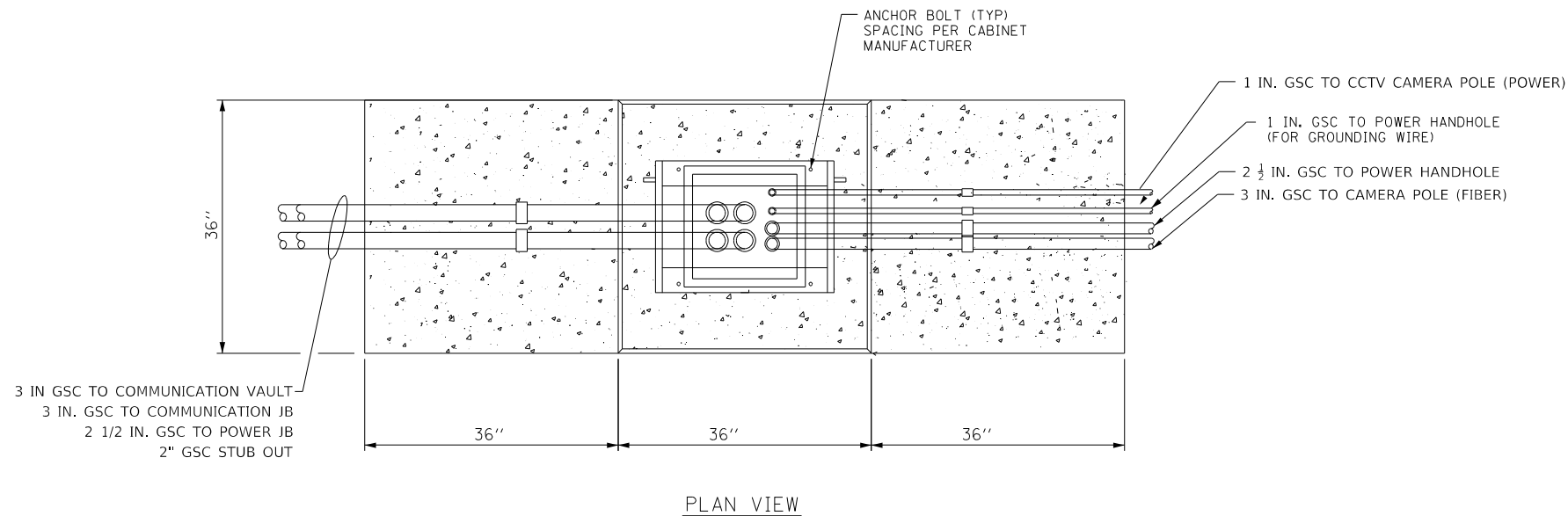
CONDUIT TRANSITION DETAIL

SCALE: SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

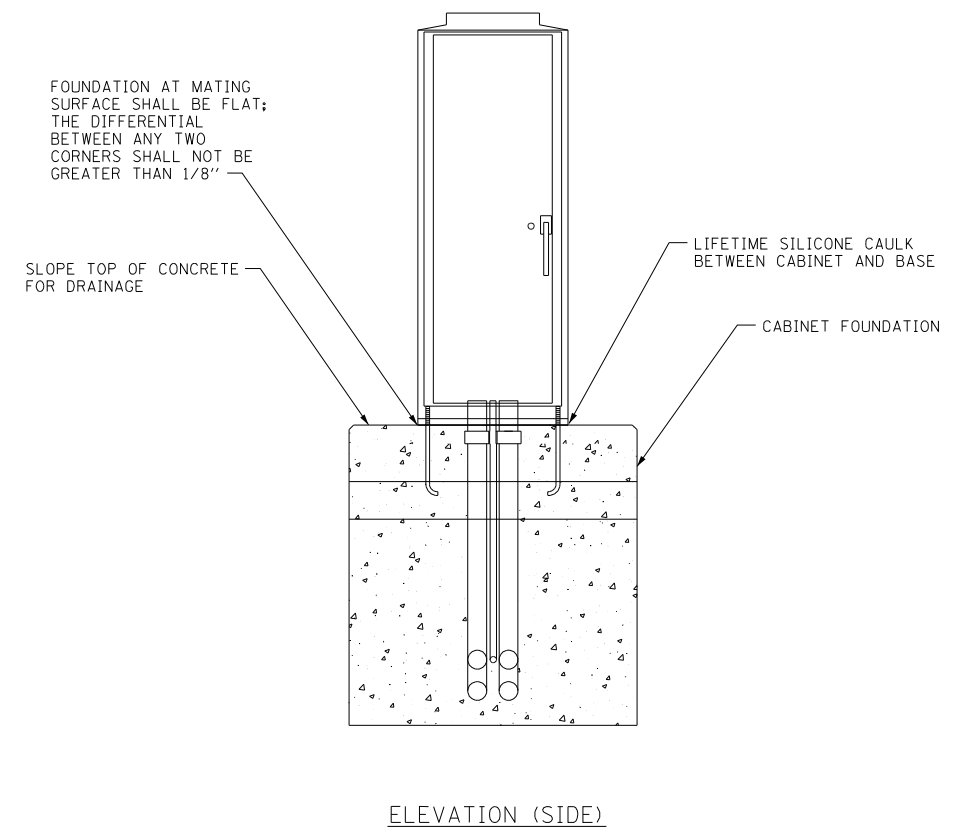
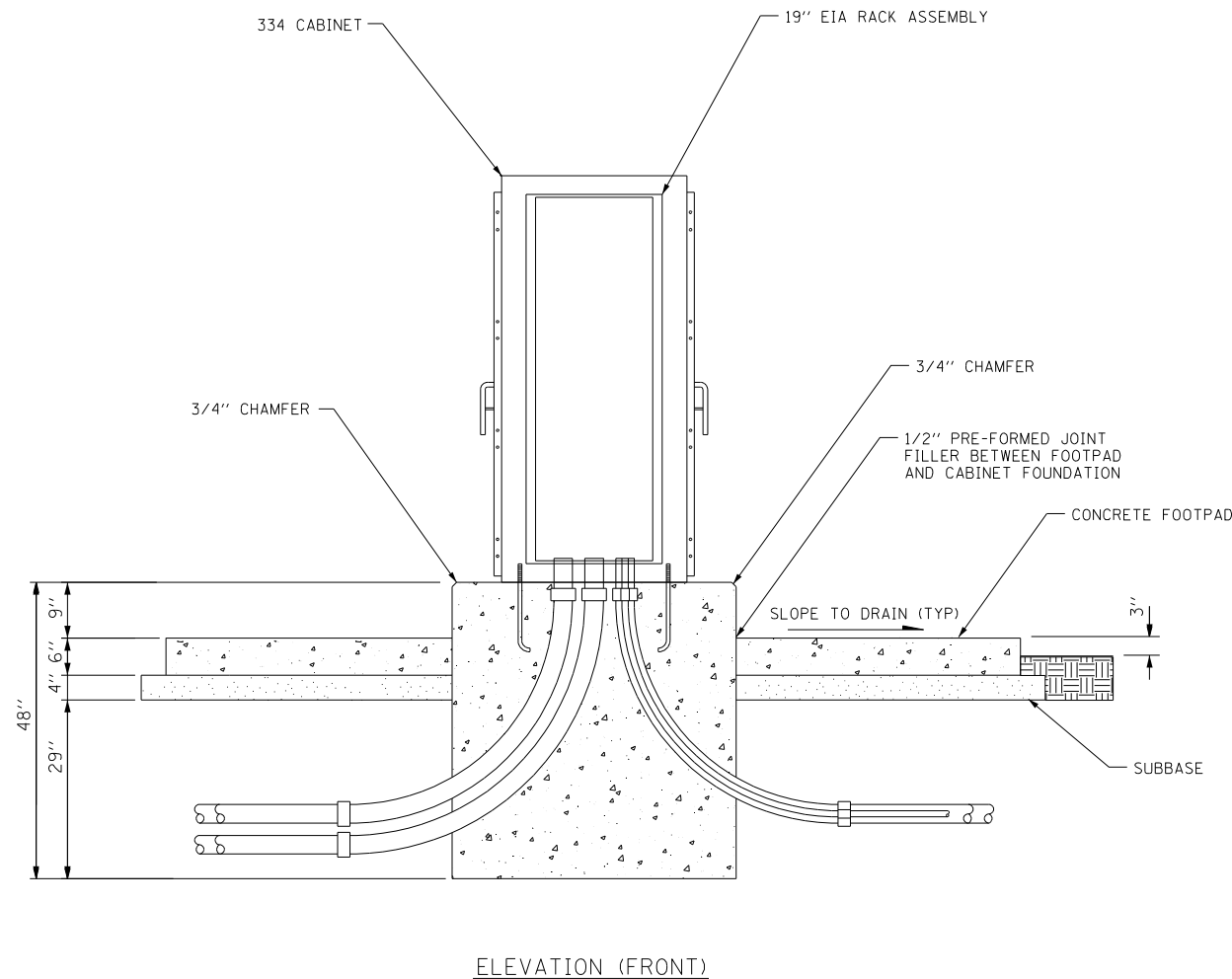
ITS-48

*I-55, I-80, & I-290



NOTES:

1. ADJUST THE ELEVATIONS OF CONCRETE FOOTPADS TO MEET THE SITE CONDITIONS.
2. COMPACT THE SOIL BENEATH THE CONCRETE FOOTPAD AND AGGREGATE IN PLACE WITH A PLATE COMPACTOR OR OTHER COMPACTION METHOD APPROVED BY THE ENGINEER, PRIOR TO PLACING THE AGGREGATE.
3. INSTALL THE NUMBER, SIZE, AND TYPE OF CONDUIT(S) FOR COMMUNICATIONS AND POWER AS SHOWN IN THE PLANS. DETERMINE THE APPROACH/ENTRY ANGLE TO FOUNDATION BASED ON SITE CONDITIONS. THE NUMBER AND LOCATION OF CONDUIT SWEEPS SHOWN IN THIS DRAWING ARE DIAGRAMMATIC.
4. INSTALL A 3/4" X 10 FT. GROUNDING ROD IN POWER HANDHOLE NEAREST TO THE CABINET. INSTALL AN INSULATED #2 GROUND WIRE FROM THE CABINET TO THE GROUNDING ROD AND EXOTHERMICALLY BOND TO THE GROUND ROD.



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	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

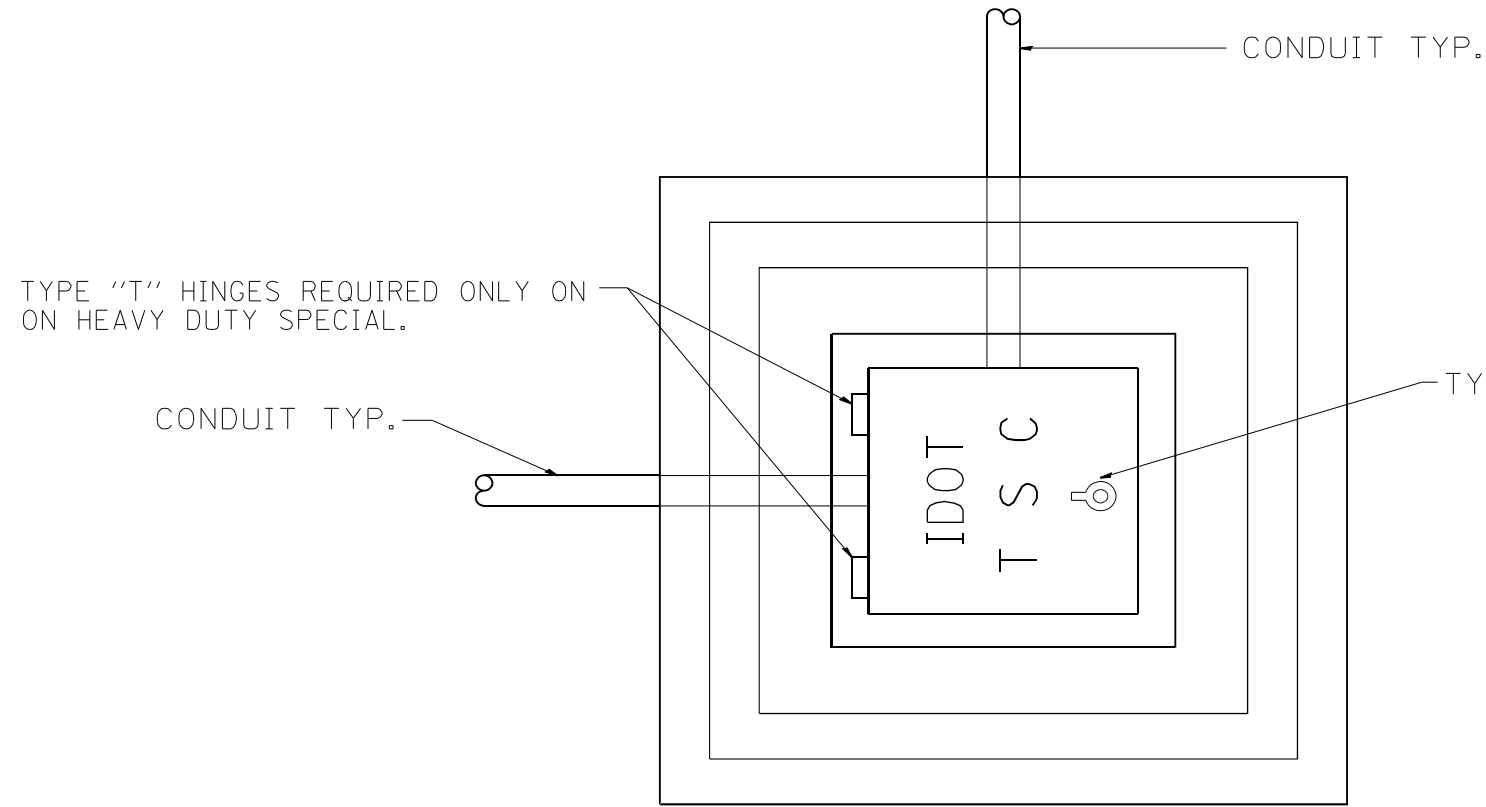
CABINET, MODEL 334 AND FOUNDATION DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

ITS-49

*1-55, I-80, & I-290

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G66				
ILLINOIS FED. AID PROJECT				

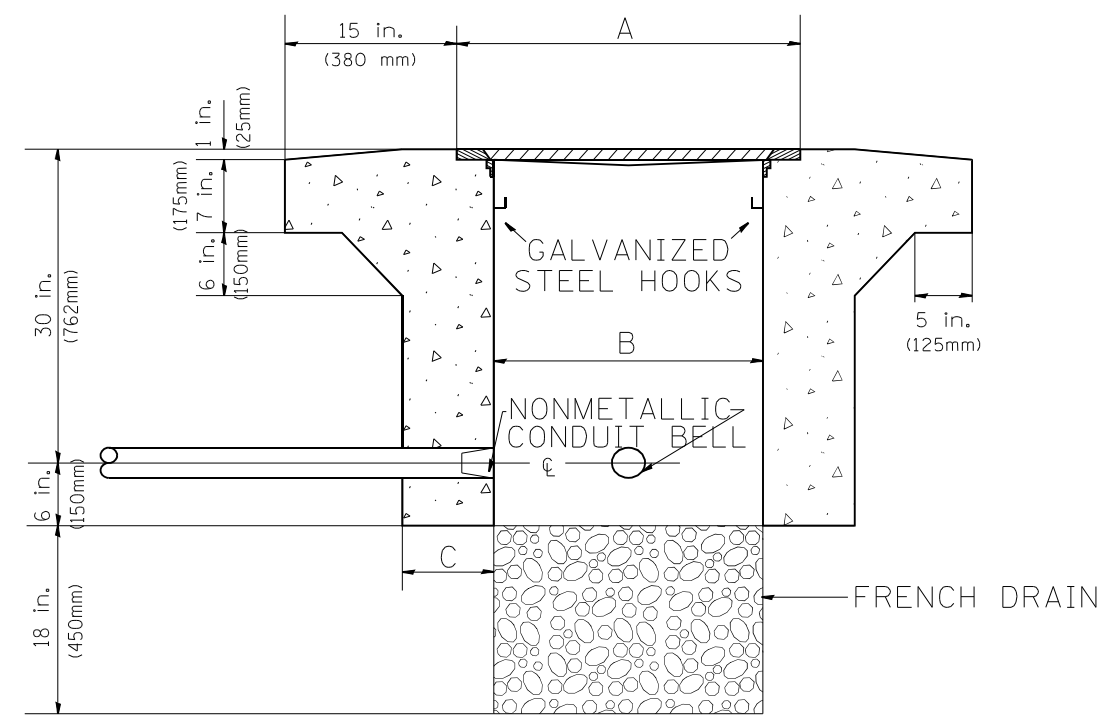


PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)



ELEVATION

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30.0" (762 mm)
C	10.0" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

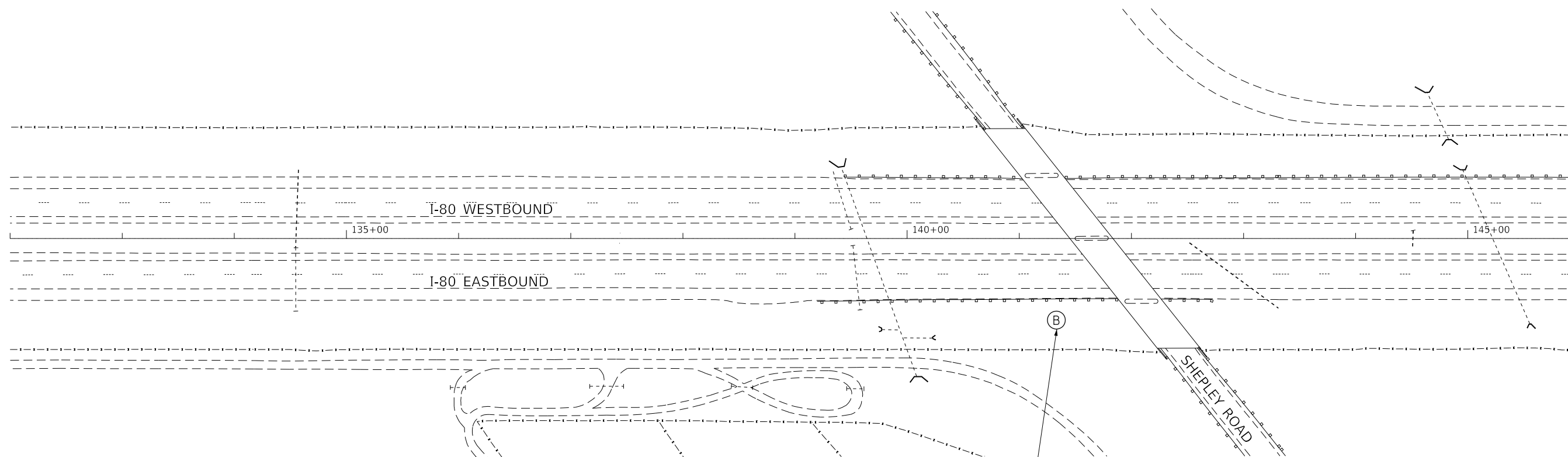
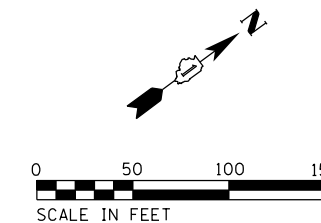
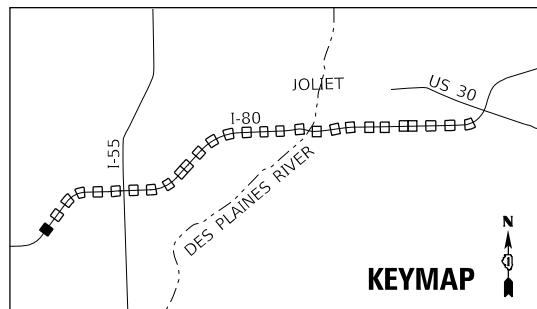
SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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PCC - HEAVY DUTY HANDHOLE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	93
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-50

*I-55, I-80, & I-290



PROPOSED BLUETOOTH
DETECTOR
MM 123.5
(SEE ITS-92, ITS-93,
ITS-94, ITS-95 FOR
BLUETOOTH DETAILS)
STA. 141+33

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

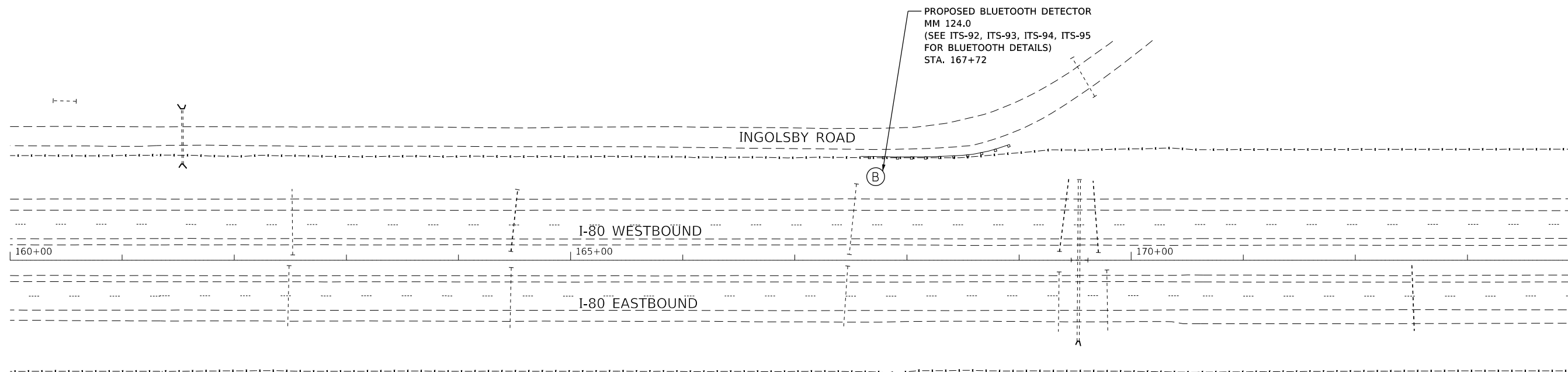
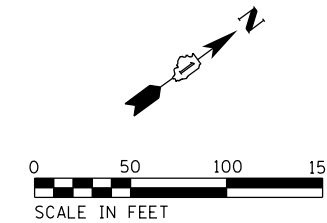
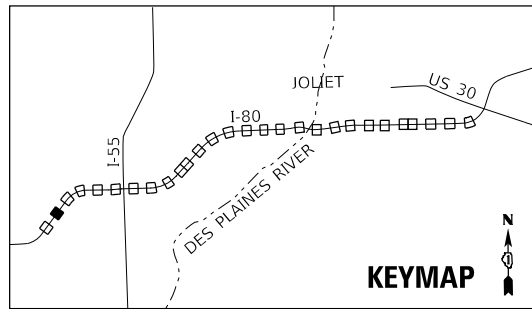
**PROPOSED BLUETOOTH
DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	94
			CONTRACT NO. 62G66	
			ILLINOIS FED. AID PROJECT	

ITS-51

*I-55, I-80, & I-290



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

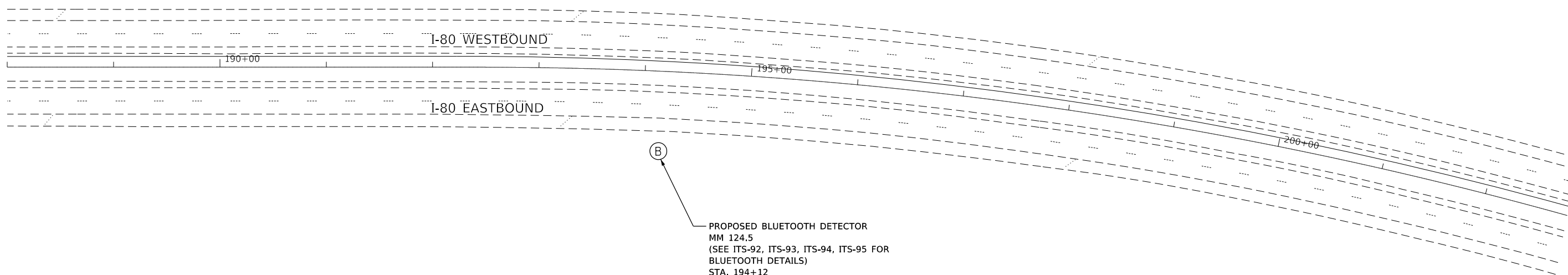
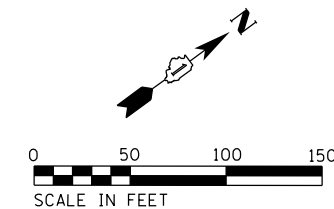
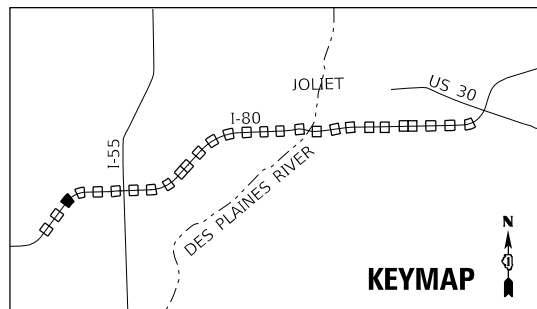
**PROPOSED BLUETOOTH
DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	95
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-52

*I-55, I-80, & I-290



(B)
 PROPOSED BLUETOOTH DETECTOR
 MM 124.5
 (SEE ITS-92, ITS-93, ITS-94, ITS-95 FOR
 BLUETOOTH DETAILS)
 STA. 194+12

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

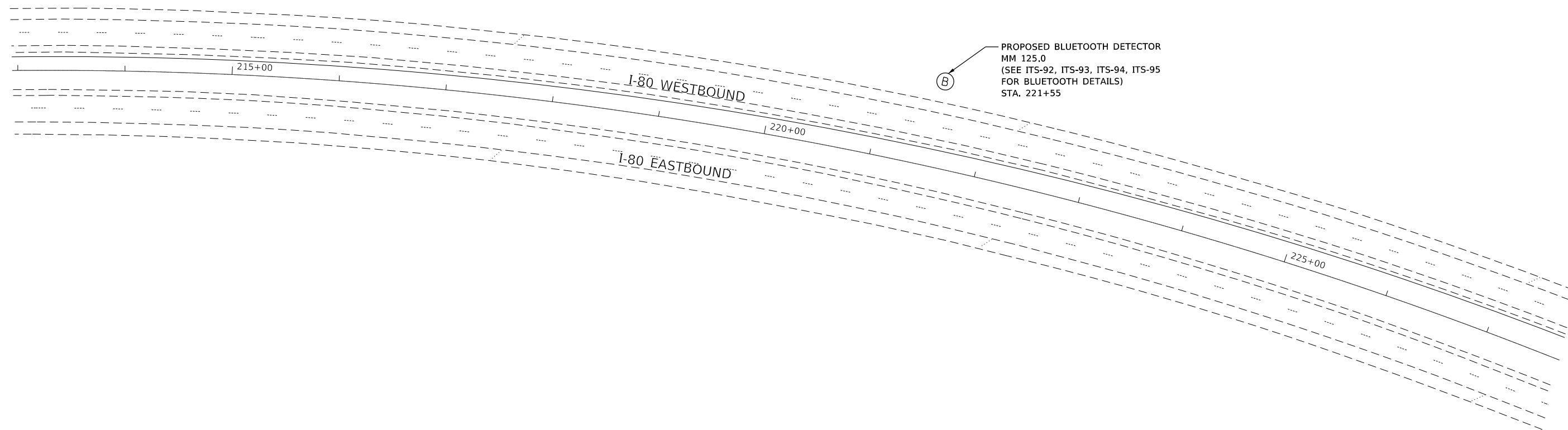
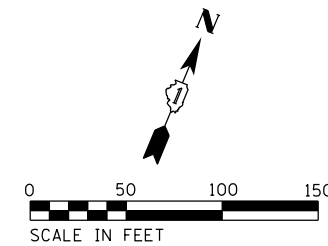
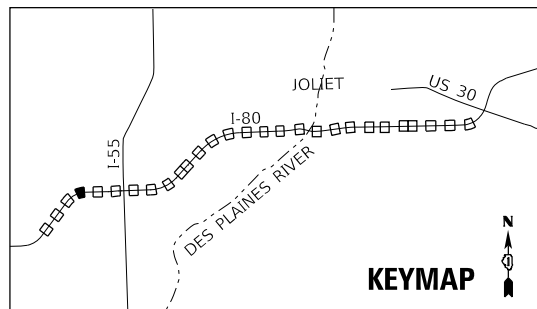
**PROPOSED BLUETOOTH
 DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	96
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-53

*I-55, I-80, & I-290



PROPOSED BLUETOOTH DETECTOR
 MM 125.0
 (SEE ITS-92, ITS-93, ITS-94, ITS-95
 FOR BLUETOOTH DETAILS)
 STA. 221+55

MODEL: Default
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

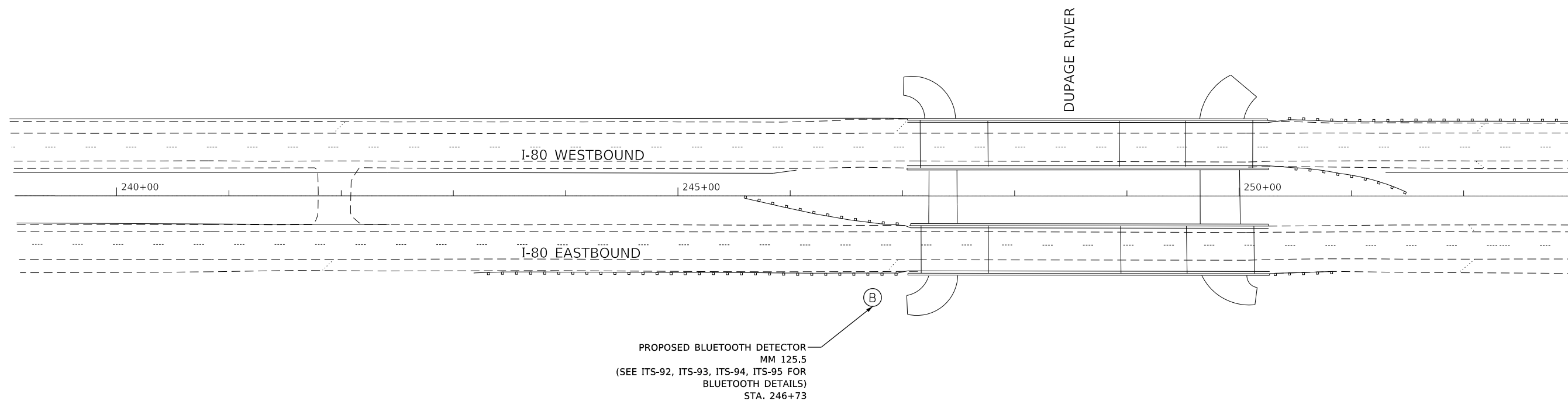
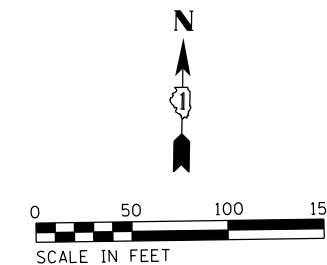
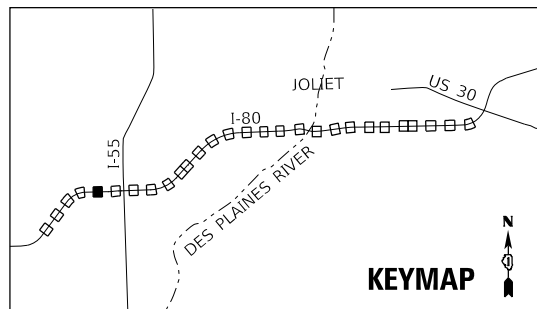
PROPOSED BLUETOOTH
 DETECTOR PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-024-I	WILL/DUPAGE	177	97
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G66	

ITS-54

*I-55, I-80, & I-290



MODEL: D:\default
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USER NAME = nguo	DESIGNED - KV	REVISED -
DRAWN - NG	REVISIONS -	
PLOT SCALE = 99.9998 ' / in.	CHECKED - KP	REVISED -
PLOT DATE = 10/10/2018	DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

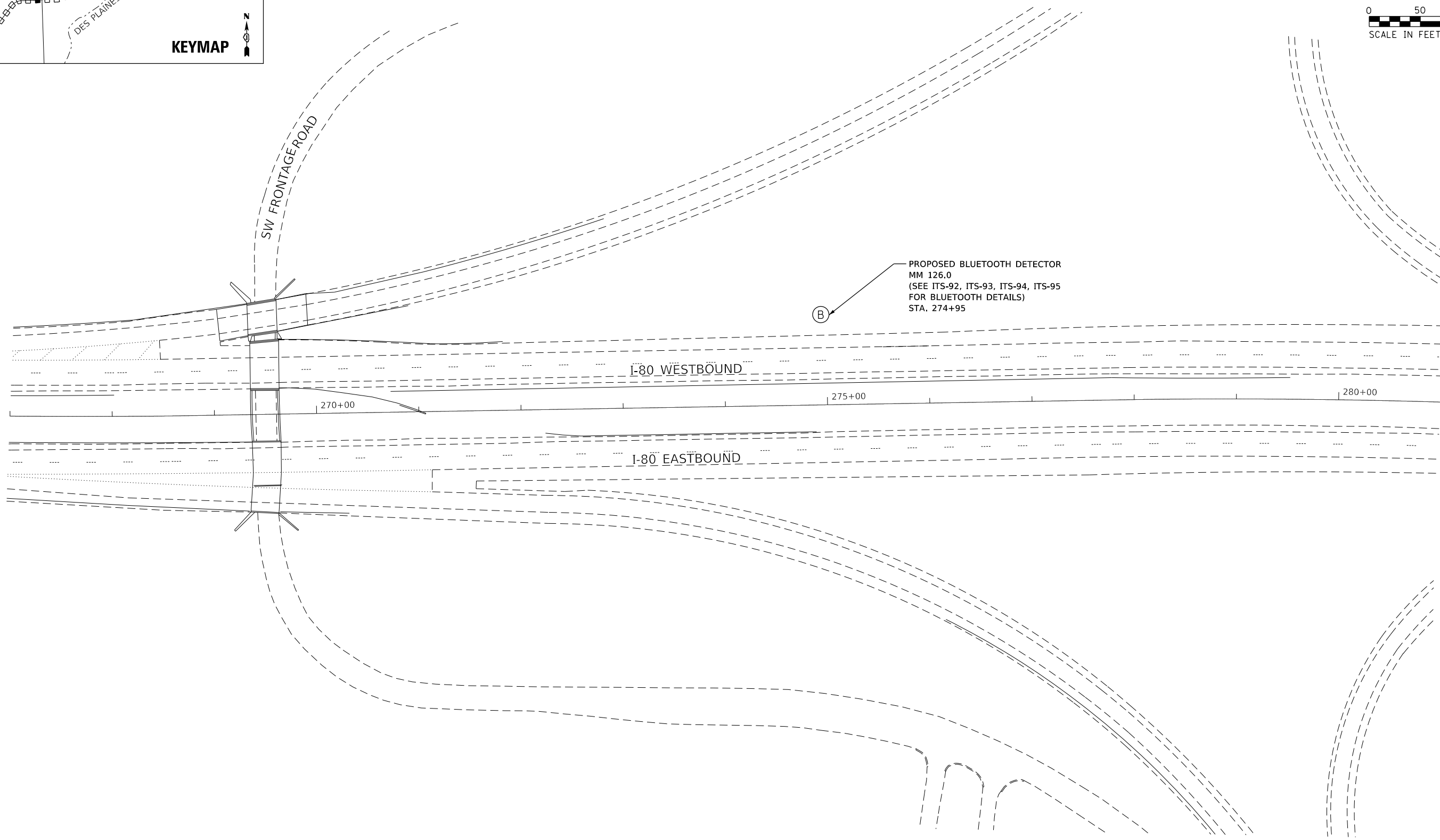
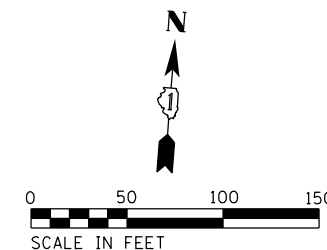
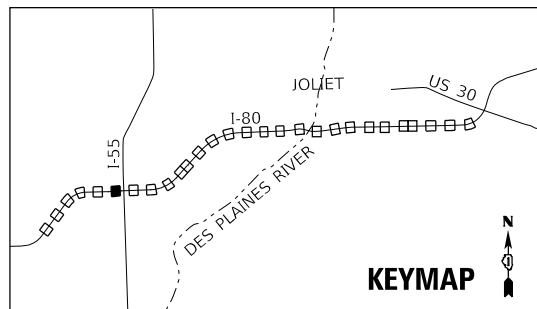
**PROPOSED BLUETOOTH
DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	98
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-55

*I-55, I-80, & I-290



MODEL: Default
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	DATE - 10/12/2018	REVISED -

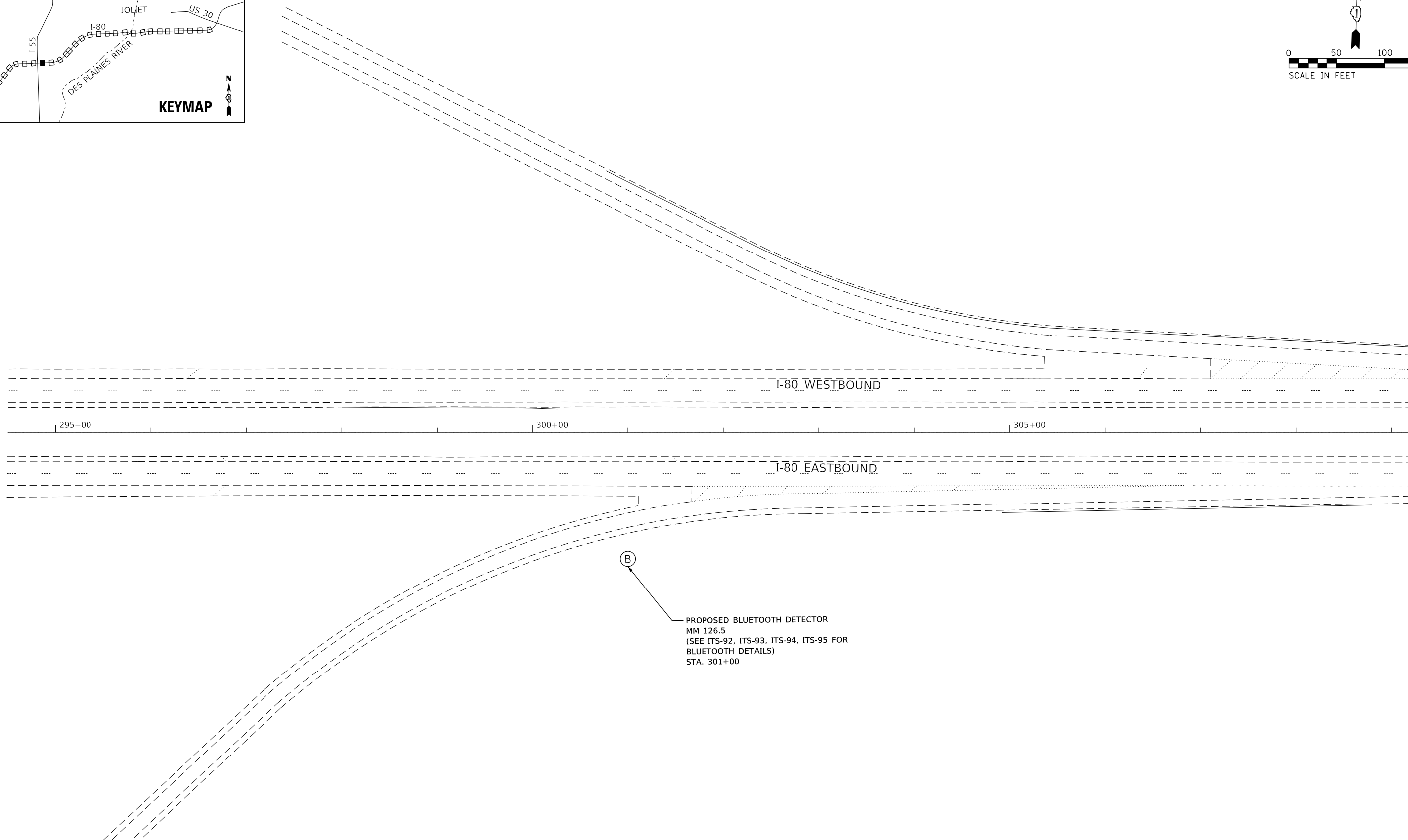
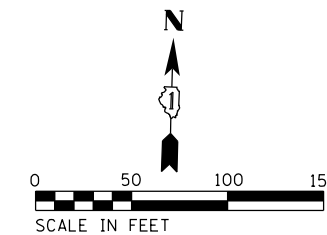
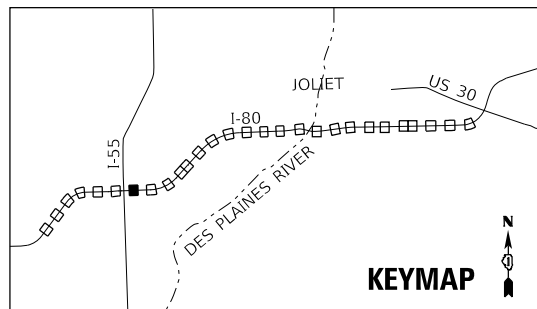
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED BLUETOOTH
DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	99
CONTRACT NO. 62G66			ILLINOIS FED. AID PROJECT	

ITS-56
*I-55, I-80, & I-290



(B)
 PROPOSED BLUETOOTH DETECTOR
 MM 126.5
 (SEE ITS-92, ITS-93, ITS-94, ITS-95 FOR
 BLUETOOTH DETAILS)
 STA. 301+00

MODEL: Default
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PLOT DATE = 10/10/2018	CHECKED - KP	REVISED -
	DATE - 10/12/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED BLUETOOTH
 DETECTOR PLAN**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2018-024-I	WILL/DUPAGE	177	100
			CONTRACT NO. 62G66	
		ILLINOIS	FED. AID PROJECT	

ITS-57

*I-55, I-80, & I-290