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NOTICE TO UTILITY COMPANIES

THE DESIGN INTENT OF THIS PROJECT IS NOT TO REQUIRE ANY UTILITY RELOCATIONS. DETAILS ON DEPTH OF FOUNDATIONS AND CONDUIT INSTALLATION CAN BE FOUND IN THE FOLLOWING LOCATIONS;

SHEET		DESCRIPTION	MAX DEPTH
185	DET-02	50 FT. CCTV CAMERA FOUNDATION	13 FT
186	DET-03	80 FT. CCTV CAMERA FOUNDATION	14 FT 6 IN
190	DET-07	CABINET MODEL 334 FOUNDATION	3 FT
191	DET-08	NODE CABINET FOUNDATION DETAIL	4 FT
197	DET-14	COMMUNICATIONS VAULT, CONDUIT	4 FT
198	DET-15	HEAVY DUTY HANDHOLE, CONDUIT	4 FT
217	STR-11	DMS FOUNDATION - CANTILEVER	32 FT
227 - 231	STR-21 - STR-25	DMS FOUNDATION - TRUSS	18 FT

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USER NAME = BREITEMF	DESIGNED - JJZ	REVISED -
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PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 6/30/2021	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	2
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 AND DIGGER (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD. THE CONTRACTOR SHALL CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
- A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUBSURFACE UTILITY ENGINEERING (SUE) SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PREFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL HORIZONATL DATUM ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD 83). ALL VERTICAL DATUM ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AIR TRAFFIC, AND ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- TEMPORARY PAVEMENT MARKING SHALL CONSIST OF EPOXY OR POLYUREA PAVEMENT MARKING, AT THE OPTION OF THE CONTRACTOR. EPOXY OR POLYEUREA PAVEMENT MARKING MATERIALS SHALL BE ACCORDING TO ARTICLES 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATIONS.
- WET REFLECTIVE TEMPORARY TAPE TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE. TEMPORARY PAVEMENT MARKING CONSISTING OF EPOXY OR POLYUREA PAVEMENT MARKING SHALL NOT BE APPLIED TO THE FINAL WEARING SURFACE UNLESS AUTHORIZED BY THE ENGINEER FOR THE LATE SEASON APPLICATION WHERE TAPE ADHESION WOULD BE A PROBLEM.
- 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 PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
- THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREAS, ROADSIDE DITCHES, AND RETENTION PONDS.

COMMITMENTS

- PACE BUS OPERATES ON THE RIGHT SHOULDER BETWEEN DEMPSTER AVENUE AND WILLOW ROAD. CONTRACTOR MUST ALWAYS PLACE PROPER TRAFFIC CONTROL DEVICES WHEN WORKING IN LANES AND SHOULDERS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDES @ NDES	THICKNESS	OMP
CLASS D PATCHES (HMA BINDER IL-19mm), TYPE IV	4% @ 70 GYR	12"	QC/OA
HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL (HMA BINDER IL-19mm)	4% @ 70 GYR	6"	QC/OA

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD/INCH THICKNESS.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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USER NAME = BREITEMF	DESIGNED - JJZ	REVISED -
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PLOT DATE = 7/16/2021	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	3
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				A 005 ROADWAY	B 005 ROADWAY	C 044 ITS	D 044 ITS		
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	14	14					
25000210	SEEDING, CLASS 2A	ACRE	1	0.7	0.3				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1					
25100115	MULCH, METHOD 2	ACRE	1.0	1.0					
28000510	INLET FILTERS	EACH	16	16					
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	7.2	5.7	1.5				
42001300	PROTECTIVE COAT	SQ YD	97	97					
44001980	CONCRETE BARRIER REMOVAL	FOOT	157	157					
44004250	PAVED SHOULDER REMOVAL	SQ YD	196	155	41				
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	41		41				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	155	155					
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	7.0	7.0					
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,313	675	638				
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	3	2				

* SPECIALTY ITEM A - COOK COUNTY ROADWAY B - LAKE COUNTY ROADWAY
 C - COOK COUNTY ITS D - LAKE COUNTY ITS

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CHECKED: CRH	REVISIONS:	
DATE: 02/28/2020	REVISIONS:	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	4
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				A 005 ROADWAY	B 005 ROADWAY	C 044 ITS	D 044 ITS		
81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/O	FOOT	100			100			
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1,170			1,170			
87900100	DRILL EXISTING FOUNDATION	EACH	2			2			
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	31			31			
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	5			5			
X1400460	LAYER III (NETWORK) SWITCH	EACH	39			36	3		
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	805	535	270				
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5			5			
Z0033052	COMMUNICATIONS VAULT	EACH	180			147	33		
Z0077700	WOOD FENCE TO BE REMOVED AND RE-ERECTED	FOOT	24	24					
X0100003	CLEARING AND GRUBBING	SQ YD	4,185	4,185					
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	40			35	5		
X0320990	DISTRICT ONE - ELECTRICAL MAINTENANCE	L SUM	1			0.7	0.3		
X0323904	ILLINOIS DEPARTMENT OF TRANSPORTATION COMMUNICATIONS NODE	L SUM	1			1			
X0323914	FIBER OPTIC SPLICE - LATERAL	EACH	44			40	4		

* SPECIALTY ITEM A - COOK COUNTY ROADWAY B - LAKE COUNTY ROADWAY
 C - COOK COUNTY ITS D - LAKE COUNTY ITS

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PLOT DATE: 6/30/2021		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	8
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				A 005 ROADWAY	B 005 ROADWAY	C 044 ITS	D 044 ITS		
X0327764	COMMUNICATIONS HUT ELECTRICAL WORK	L SUM	1			1			
X0328502	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 50 FT. MOUNTING HEIGHT	EACH	12			12			
X1400013	REMOVAL OF CABLE IN CONDUIT	FOOT	14,553			14,553			
X1400178	REPLACE EXISTING CCTV CAMERA LOWERING DEVICE	EACH	1			1			
X1400217	TERMINATE FIBER IN CABINET	EACH	456			408	48		
X1400340	AERIAL CABLE REMOVAL	FOOT	1,170			1,170			
X2600028	DYNAMIC MESSAGE SIGN, WALK-IN ACCESS, FULL MATRIX, COLOR, NTCIP 1203	EACH	4			4			
X6370700	CONCRETE BARRIER TRANSITION (SPECIAL)	FOOT	111	111					
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	10	7	3				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	25,021	25,021					
X7030035	WET REFLECTIVE TEMPORARY TAPE TYPE III, 5 INCH	FOOT	6,236	6,236					
X8100863	INTERCEPT EXISTING CONDUIT	EACH	8			8			
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	93,041			75,938	17,103		

* SPECIALTY ITEM A - COOK COUNTY ROADWAY B - LAKE COUNTY ROADWAY
 C - COOK COUNTY ITS D - LAKE COUNTY ITS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06B1	COOK/LAKE	388	10
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE		
				A 005 ROADWAY	B 005 ROADWAY	C 044 ITS	D 044 ITS		
X8130115	DRILL EXISTING JUNCTION BOX	EACH	12			12			
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	12,013			11,729	284		
X8710039	FIBER OPTIC CABLE 144 FIBERS, SINGLE MODE	FOOT	227,616			213,702	13,914		
X8710054	FIBER OPTIC TERMINATION PANEL, 12F OR 24F	EACH	44			40	4		
X8730401	ELECTRIC CABLE IN CONDUIT, COMMUNICATION	FOOT	13,036			13,036			
X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1			1			
X1400456	DYNAMIC MESSAGE SIGN REMOVAL - IDOT	EACH	2			2			
X1400457	DYNAMIC MESSAGE SIGN REMOVAL - ILLINOIS TOLLWAY	EACH	1			1			
X1400458	DMS SIGN CONTROL EQUIPMENT	EACH	7			5	2		
X1400459	FIBER OPTIC CONNECTIVITY TO PUMP STATION	L SUM	1			0.7	0.3		
∅ Z0076600	TRAINEES	HOURS	1000	1000					
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1000	1000					

* SPECIALTY ITEM A - COOK COUNTY ROADWAY B - LAKE COUNTY ROADWAY
 C - COOK COUNTY ITS D - LAKE COUNTY ITS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

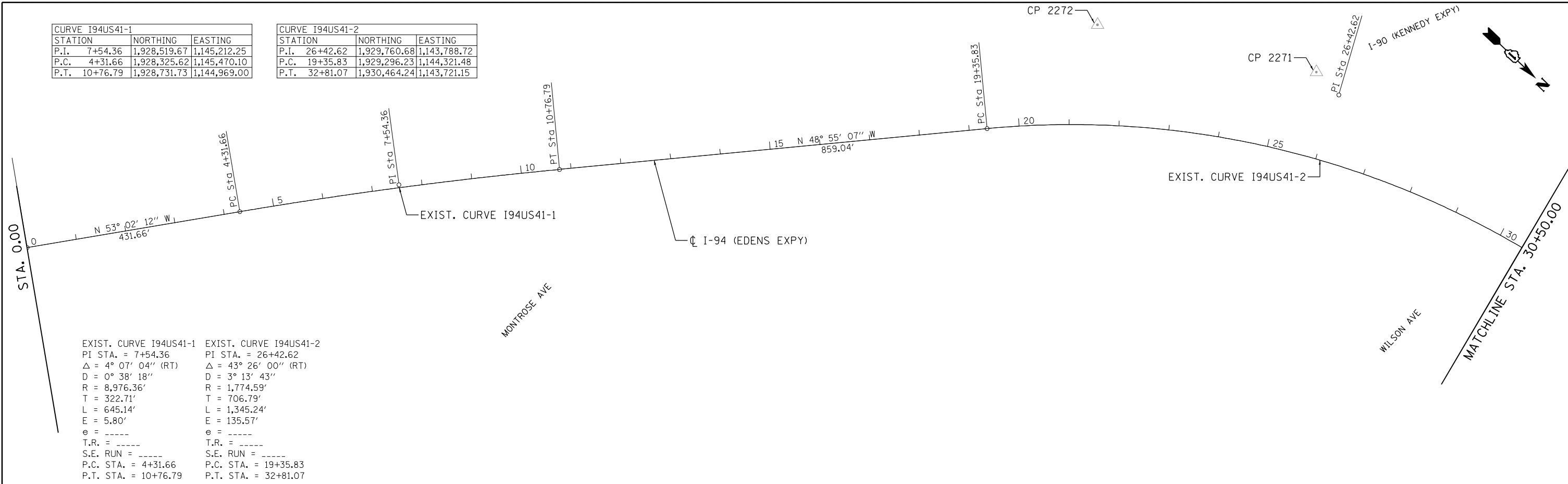
SUMMARY OF QUANTITIES

SCALE: NTS SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	11
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

CURVE I94US41-1		
STATION	NORTHING	EASTING
P.I.	7+54.36	1,928,519.67
P.C.	4+31.66	1,928,325.62
P.T.	10+76.79	1,928,731.73

CURVE I94US41-2		
STATION	NORTHING	EASTING
P.I.	26+42.62	1,929,760.68
P.C.	19+35.83	1,929,296.23
P.T.	32+81.07	1,930,464.24

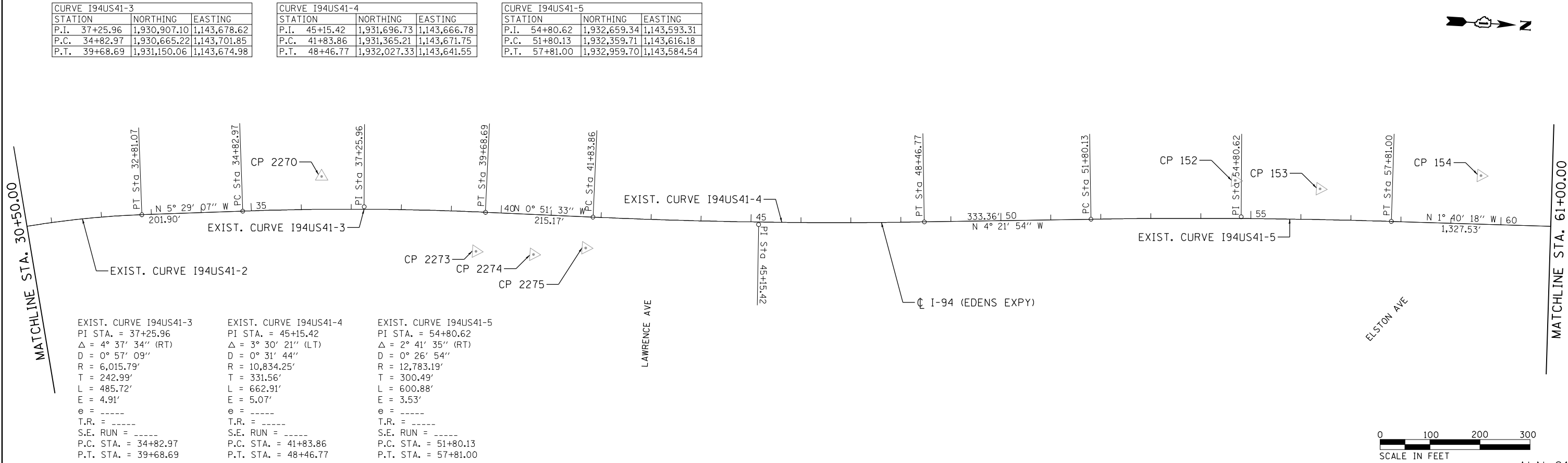


<p>EXIST. CURVE I94US41-1</p> <p>PI STA. = 7+54.36</p> <p>$\Delta = 4^\circ 07' 04''$ (RT)</p> <p>D = 0° 38' 18"</p> <p>R = 8,976.36'</p> <p>T = 322.71'</p> <p>L = 645.14'</p> <p>E = 5.80'</p> <p>e = -----</p> <p>T.R. = -----</p> <p>S.E. RUN = -----</p> <p>P.C. STA. = 4+31.66</p> <p>P.T. STA. = 10+76.79</p>	<p>EXIST. CURVE I94US41-2</p> <p>PI STA. = 26+42.62</p> <p>$\Delta = 43^\circ 26' 00''$ (RT)</p> <p>D = 3° 13' 43"</p> <p>R = 1,774.59'</p> <p>T = 706.79'</p> <p>L = 1,345.24'</p> <p>E = 135.57'</p> <p>e = -----</p> <p>T.R. = -----</p> <p>S.E. RUN = -----</p> <p>P.C. STA. = 19+35.83</p> <p>P.T. STA. = 32+81.07</p>
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CURVE I94US41-3		
STATION	NORTHING	EASTING
P.I.	37+25.96	1,930,907.10
P.C.	34+82.97	1,930,665.22
P.T.	39+68.69	1,931,150.06

CURVE I94US41-4		
STATION	NORTHING	EASTING
P.I.	45+15.42	1,931,696.73
P.C.	41+83.86	1,931,365.21
P.T.	48+46.77	1,932,027.33

CURVE I94US41-5		
STATION	NORTHING	EASTING
P.I.	54+80.62	1,932,659.34
P.C.	51+80.13	1,932,359.71
P.T.	57+81.00	1,932,959.70



<p>EXIST. CURVE I94US41-3</p> <p>PI STA. = 37+25.96</p> <p>$\Delta = 4^\circ 37' 34''$ (RT)</p> <p>D = 0° 57' 09"</p> <p>R = 6,015.79'</p> <p>T = 242.99'</p> <p>L = 485.72'</p> <p>E = 4.91'</p> <p>e = -----</p> <p>T.R. = -----</p> <p>S.E. RUN = -----</p> <p>P.C. STA. = 34+82.97</p> <p>P.T. STA. = 39+68.69</p>	<p>EXIST. CURVE I94US41-4</p> <p>PI STA. = 45+15.42</p> <p>$\Delta = 3^\circ 30' 21''$ (LT)</p> <p>D = 0° 31' 44"</p> <p>R = 10,834.25'</p> <p>T = 331.56'</p> <p>L = 662.91'</p> <p>E = 5.07'</p> <p>e = -----</p> <p>T.R. = -----</p> <p>S.E. RUN = -----</p> <p>P.C. STA. = 41+83.86</p> <p>P.T. STA. = 48+46.77</p>	<p>EXIST. CURVE I94US41-5</p> <p>PI STA. = 54+80.62</p> <p>$\Delta = 2^\circ 41' 35''$ (RT)</p> <p>D = 0° 26' 54"</p> <p>R = 12,783.19'</p> <p>T = 300.49'</p> <p>L = 600.88'</p> <p>E = 3.53'</p> <p>e = -----</p> <p>T.R. = -----</p> <p>S.E. RUN = -----</p> <p>P.C. STA. = 51+80.13</p> <p>P.T. STA. = 57+81.00</p>
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USER NAME = zvolanjj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 1 OF 18 SHEETS STA. 00+00.00 TO STA. 61+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06B1	COOK/LAKE	388	12
CONTRACT NO. 62D79				
ILLINOIS FED. AID PROJECT				

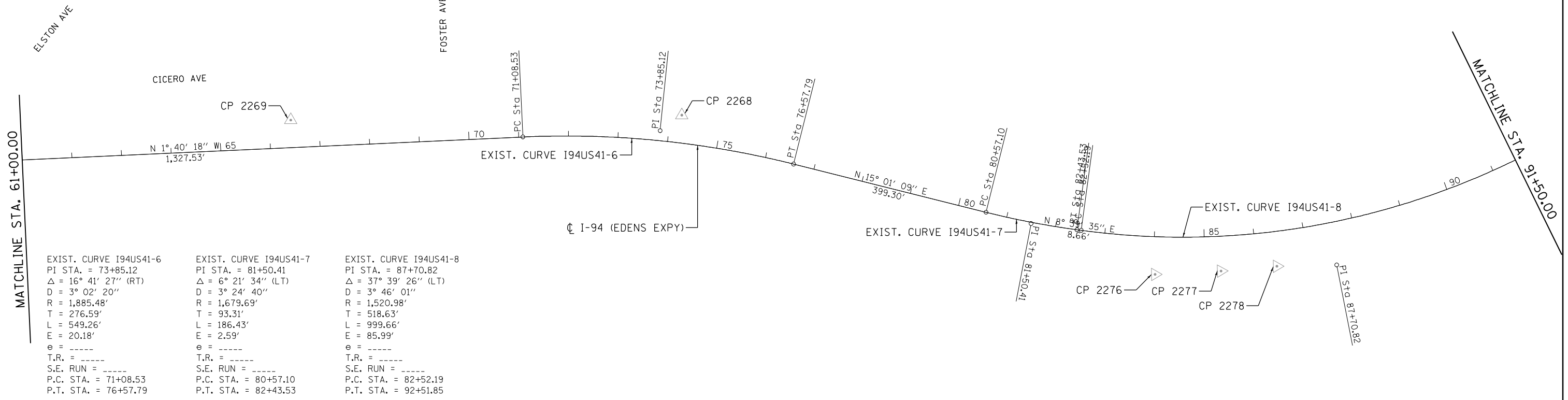
ALN-01



STATION	NORTHING	EASTING
P.I. 73+85.12	1,934,563.14	1,143,537.74
P.C. 71+08.53	1,934,286.66	1,143,545.81
P.T. 76+57.79	1,934,830.28	1,143,609.42

STATION	NORTHING	EASTING
P.I. 81+50.41	1,935,306.07	1,143,737.08
P.C. 80+57.10	1,935,215.94	1,143,712.89
P.T. 82+43.53	1,935,398.32	1,143,751.13

STATION	NORTHING	EASTING
P.I. 87+70.82	1,935,919.60	1,143,830.52
P.C. 82+52.19	1,935,406.88	1,143,752.43
P.T. 92+51.85	1,936,373.22	1,143,579.10

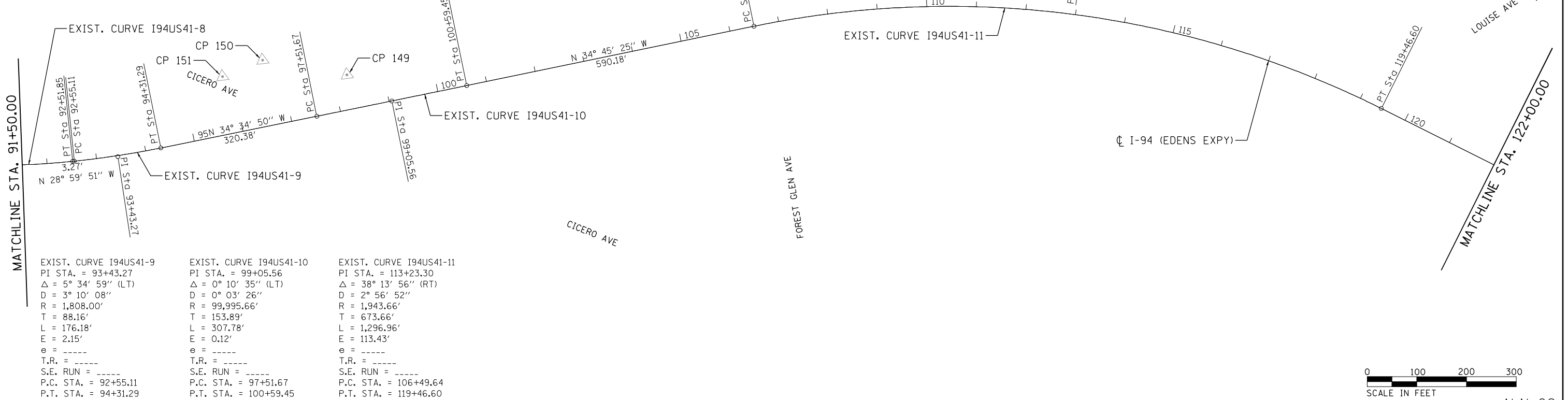


EXIST. CURVE I94US41-6 PI STA. = 73+85.12 $\Delta = 16^\circ 41' 27''$ (RT) $D = 3^\circ 02' 20''$ $R = 1,885.48'$ $T = 276.59'$ $L = 549.26'$ $E = 20.18'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 71+08.53 P.T. STA. = 76+57.79	EXIST. CURVE I94US41-7 PI STA. = 81+50.41 $\Delta = 6^\circ 21' 34''$ (LT) $D = 3^\circ 24' 40''$ $R = 1,679.69'$ $T = 93.31'$ $L = 186.43'$ $E = 2.59'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 80+57.10 P.T. STA. = 82+43.53	EXIST. CURVE I94US41-8 PI STA. = 87+70.82 $\Delta = 37^\circ 39' 26''$ (LT) $D = 3^\circ 46' 01''$ $R = 1,520.98'$ $T = 518.63'$ $L = 999.66'$ $E = 85.99'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 82+52.19 P.T. STA. = 92+51.85
--	---	--

STATION	NORTHING	EASTING
P.I. 93+43.27	1,936,453.18	1,143,534.78
P.C. 92+55.11	1,936,376.07	1,143,577.52
P.T. 94+31.29	1,936,525.76	1,143,484.74

STATION	NORTHING	EASTING
P.I. 99+05.56	1,936,916.25	1,143,215.56
P.C. 97+51.67	1,936,789.54	1,143,302.91
P.T. 100+59.45	1,937,042.68	1,143,127.83

STATION	NORTHING	EASTING
P.I. 113+23.30	1,938,081.03	1,142,407.32
P.C. 106+49.64	1,937,527.56	1,142,791.37
P.T. 119+46.60	1,938,753.45	1,142,448.15



EXIST. CURVE I94US41-9 PI STA. = 93+43.27 $\Delta = 5^\circ 34' 59''$ (LT) $D = 3^\circ 10' 08''$ $R = 1,808.00'$ $T = 88.16'$ $L = 176.18'$ $E = 2.15'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 92+55.11 P.T. STA. = 94+31.29	EXIST. CURVE I94US41-10 PI STA. = 99+05.56 $\Delta = 0^\circ 10' 35''$ (LT) $D = 0^\circ 03' 26''$ $R = 99,995.66'$ $T = 153.89'$ $L = 307.78'$ $E = 0.12'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 97+51.67 P.T. STA. = 100+59.45	EXIST. CURVE I94US41-11 PI STA. = 113+23.30 $\Delta = 38^\circ 13' 56''$ (RT) $D = 2^\circ 56' 52''$ $R = 1,943.66'$ $T = 673.66'$ $L = 1,296.96'$ $E = 113.43'$ $e = \text{-----}$ $T.R. = \text{-----}$ $S.E. RUN = \text{-----}$ P.C. STA. = 106+49.64 P.T. STA. = 119+46.60
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USER NAME = zvolanjj	DESIGNED - GL	REVISED -
DRAWN - GL	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 2 OF 18 SHEETS STA. 61+00.00 TO STA.122+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	13
				CONTRACT NO. 62079
ILLINOIS FED. AID PROJECT				

ALN-02

CURVE I94US41-12		
STATION	NORTHING	EASTING
P.I. 147+56.41	1,941,558.10	1,142,618.48
P.C. 142+50.02	1,941,052.64	1,142,587.78
P.T. 152+58.52	1,942,043.95	1,142,761.24

MATCHLINE STA. 122+00.00

EXIST. CURVE I94US41-12
 PI STA. = 147+56.41
 Δ = 12° 53' 59" (RT)
 D = 1° 16' 45"
 R = 4,479.35'
 T = 506.39'
 L = 1,008.50'
 E = 28.53'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 142+50.02
 P.T. STA. = 152+58.52

CURVE I94US41-13		
STATION	NORTHING	EASTING
P.I. 165+32.57	1,943,266.32	1,143,120.43
P.C. 160+38.47	1,942,792.26	1,142,981.13
P.T. 170+20.55	1,943,760.37	1,143,127.15

MATCHLINE STA. 152+50.00

EXIST. CURVE I94US41-13
 PI STA. = 165+32.57
 Δ = 15° 35' 45" (LT)
 D = 1° 35' 17"
 R = 3,607.94'
 T = 494.09'
 L = 982.08'
 E = 33.68'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 160+38.47
 P.T. STA. = 170+20.55

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ALN-03



USER NAME = zvolanj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 3 OF 18 SHEETS STA. 122+00.00 TO STA. 183+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	14
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

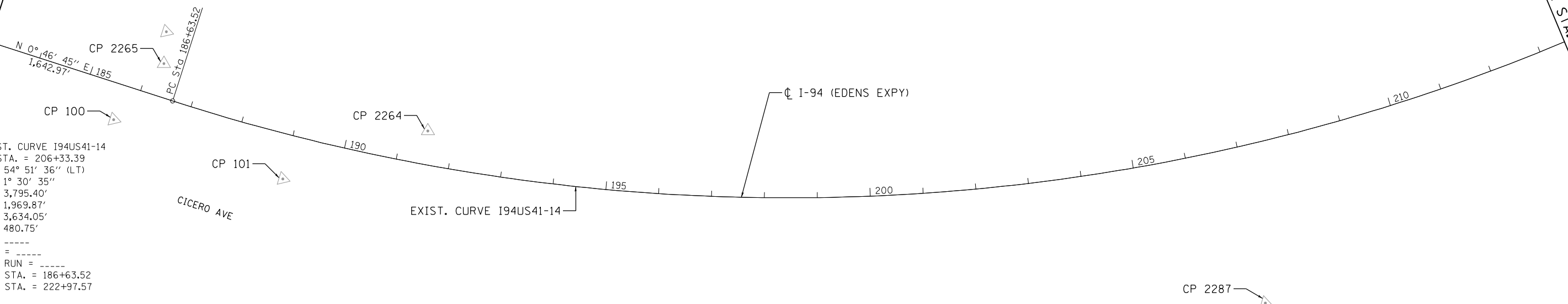
CURVE I94US41-14		
STATION	NORTHING	EASTING
P.I. 206+33.39	1,947,372.87	1,143,176.28
P.C. 186+63.52	1,945,403.18	1,143,149.49
P.T. 222+97.57	1,948,528.49	1,141,580.99

MATCHLINE STA. 183+00.00

MATCHLINE STA. 213+50.00

EXIST. CURVE I94US41-14
 PI STA. = 206+33.39
 $\Delta = 54^\circ 51' 36''$ (LT)
 $D = 1^\circ 30' 35''$
 $R = 3,795.40'$
 $T = 1,969.87'$
 $L = 3,634.05'$
 $E = 480.75'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 186+63.52
 P.T. STA. = 222+97.57

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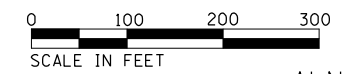
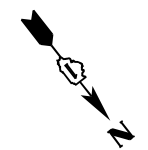
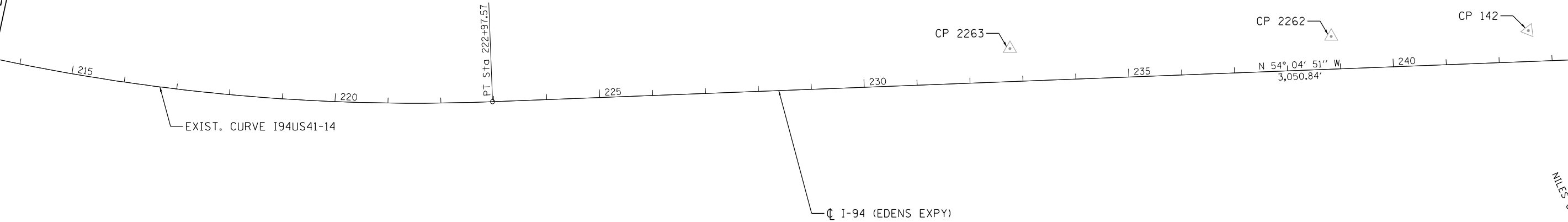
MATCHLINE STA. 213+50.00

MATCHLINE STA. 244+00.00

EXIST. CURVE I94US41-14

PT. Sta. 222+97.57

N 54° 04' 51'' W
3,050.84'



ALN-04



USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

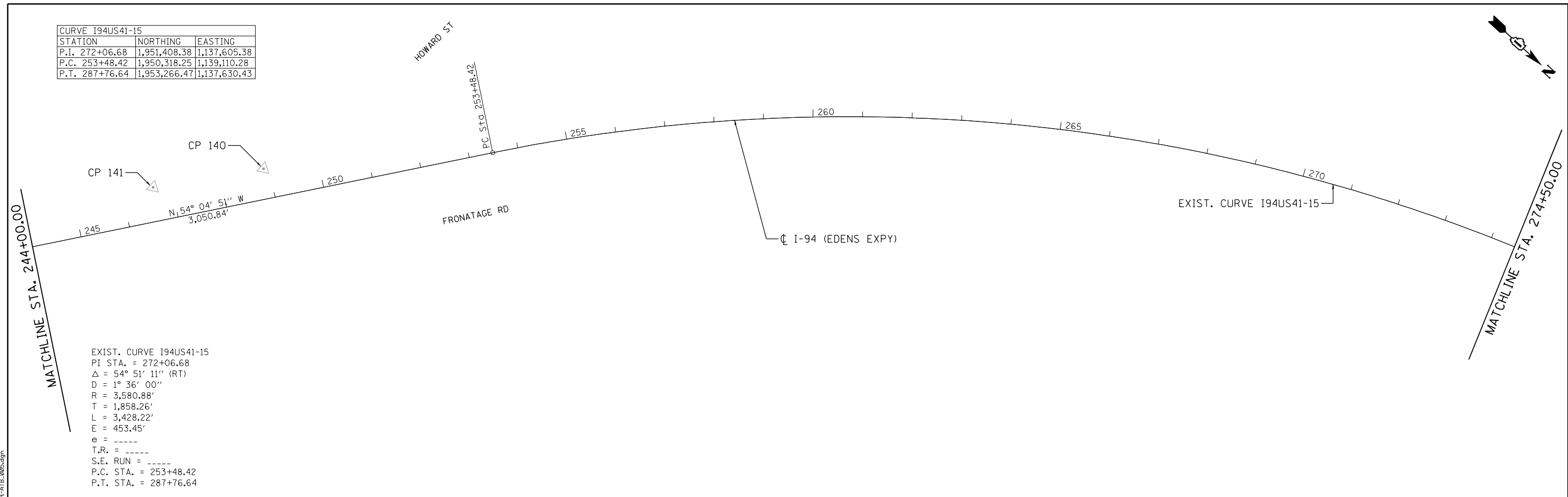
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

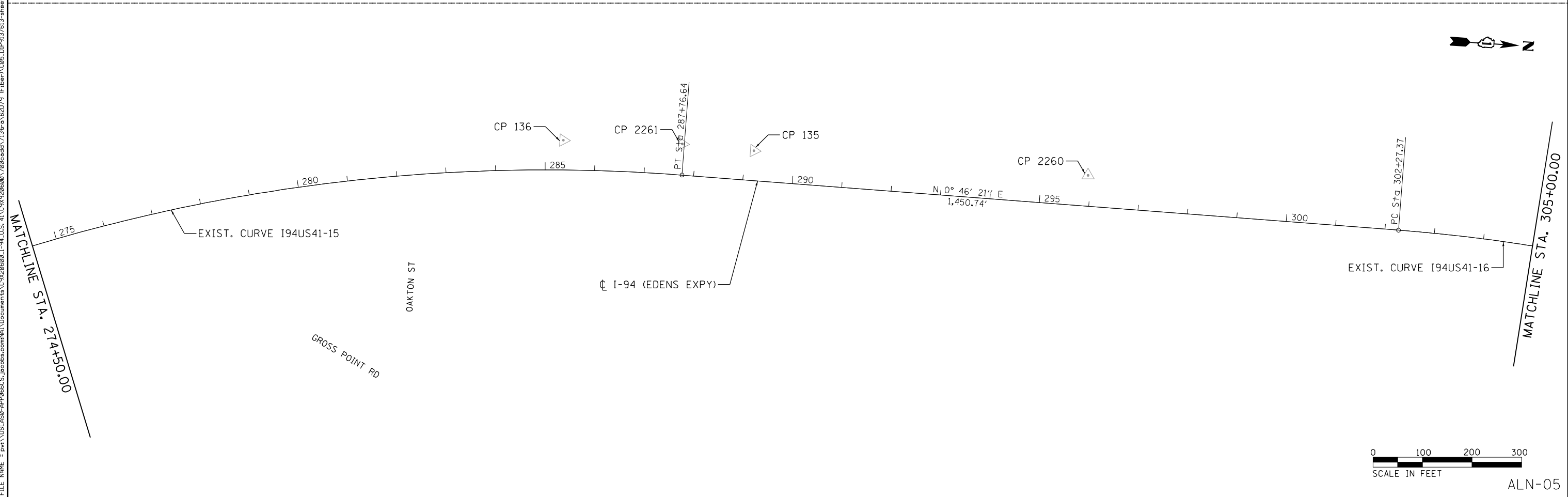
SCALE: 1"=100' SHEET 4 OF 18 SHEETS STA. 183+00.00 TO STA. 244+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	15
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CURVE I94US41-15		
STATION	NORTHING	EASTING
P.I. 272+06.68	1,951,408.38	1,137,605.38
P.C. 253+48.42	1,950,318.25	1,139,110.28
P.T. 287+76.64	1,953,266.47	1,137,630.43



EXIST. CURVE I94US41-15
 PI STA. = 272+06.68
 $\Delta = 54^\circ 51' 11''$ (RT)
 $D = 1^\circ 36' 00''$
 $R = 3,580.88'$
 $T = 1,858.26'$
 $L = 3,428.22'$
 $E = 453.45'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 253+48.42
 P.T. STA. = 287+76.64



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USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 5 OF 18 SHEETS STA. 244+00.00 TO STA. 305+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	16
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

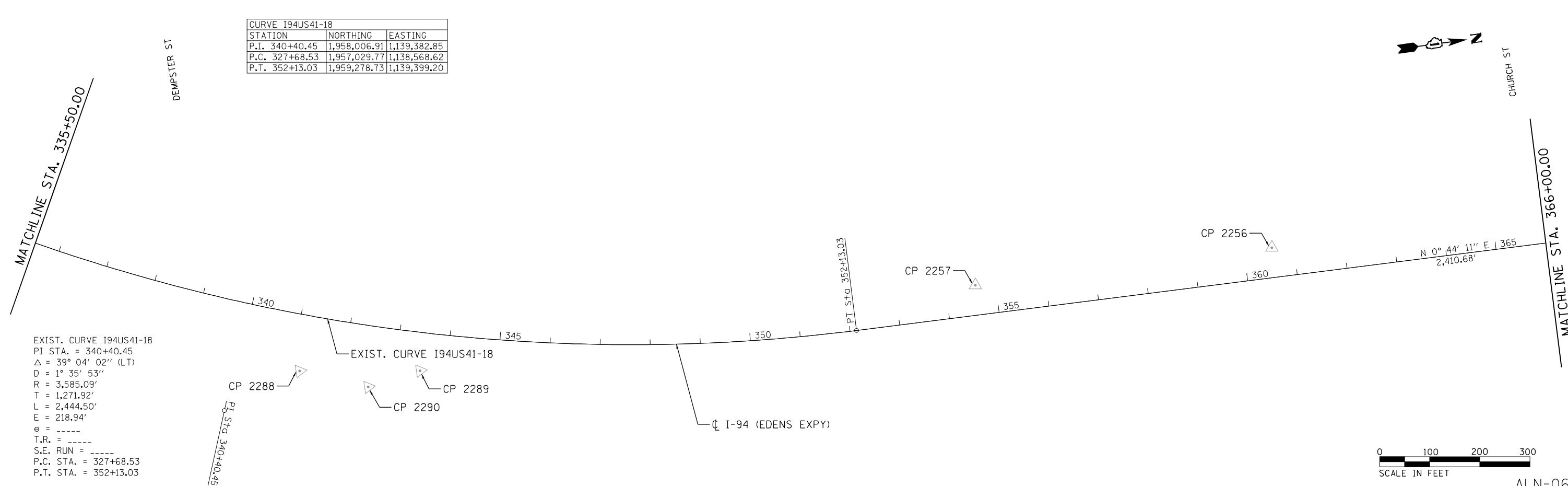
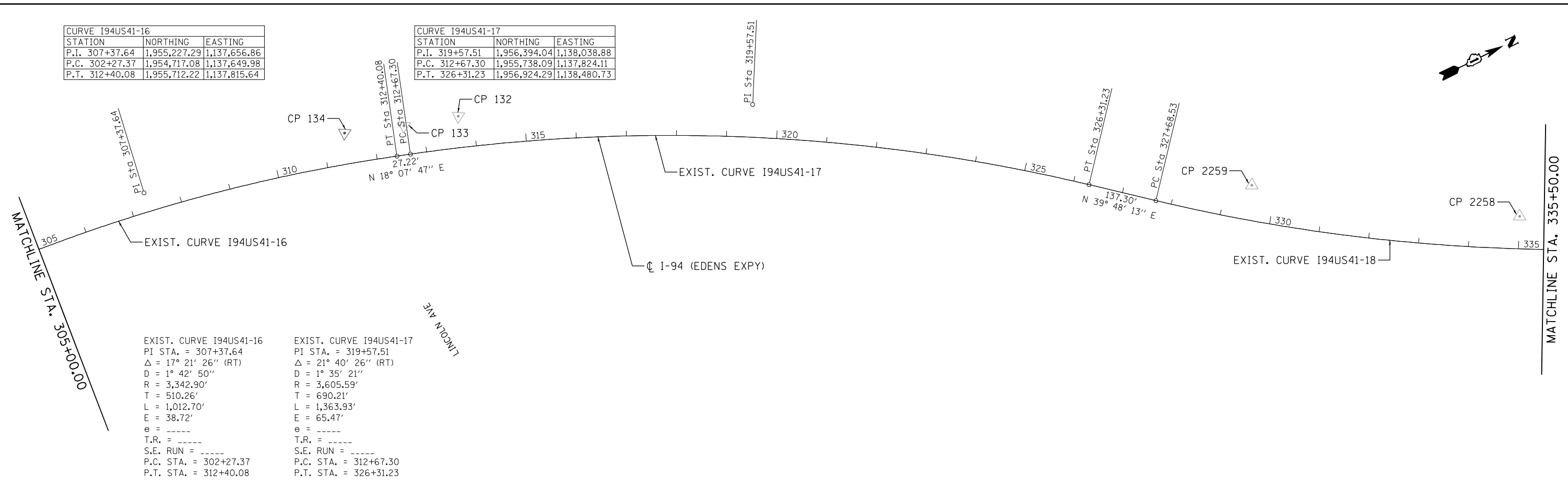
ALN-05

CURVE I94US41-16		
STATION	NORTHING	EASTING
P.I. 307+37.64	1,955,227.29	1,137,656.86
P.C. 302+27.37	1,954,717.08	1,137,649.98
P.T. 312+40.08	1,955,712.22	1,137,815.64

CURVE I94US41-17		
STATION	NORTHING	EASTING
P.I. 319+57.51	1,956,394.04	1,138,038.88
P.C. 312+67.30	1,955,738.09	1,137,824.11
P.T. 326+31.23	1,956,924.29	1,138,480.73

CURVE I94US41-18		
STATION	NORTHING	EASTING
P.I. 340+40.45	1,958,006.91	1,139,382.85
P.C. 327+68.53	1,957,029.77	1,138,568.62
P.T. 352+13.03	1,959,278.73	1,139,399.20

EXIST. CURVE I94US41-18
 PI STA. = 340+40.45
 $\Delta = 39^\circ 04' 02''$ (LT)
 D = $1^\circ 35' 53''$
 R = 3,585.09'
 T = 1,271.92'
 L = 2,444.50'
 E = 218.94'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 327+68.53
 P.T. STA. = 352+13.03



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Jacobs

USER NAME = zvolanjj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

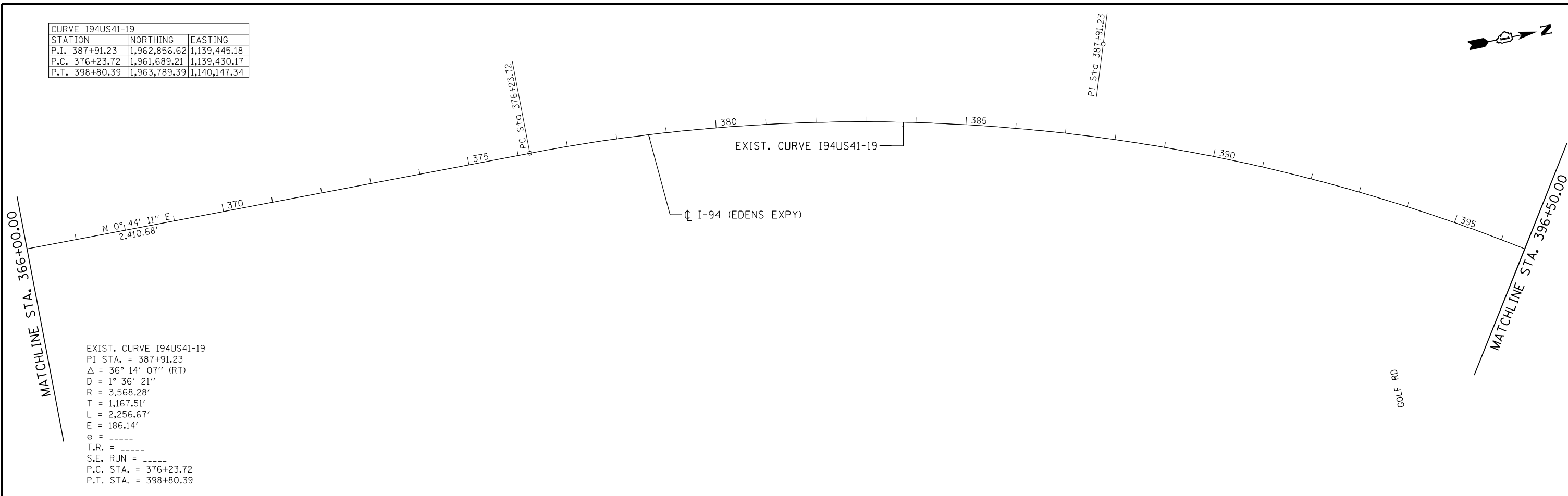
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 6 OF 18 SHEETS STA. 305+00.00 TO STA. 366+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	17
CONTRACT NO. 62D79				
ILLINOIS FED. AID PROJECT				

ALN-06

CURVE I94US41-19		
STATION	NORTHING	EASTING
P.I. 387+91.23	1,962,856.62	1,139,445.18
P.C. 376+23.72	1,961,689.21	1,139,430.17
P.T. 398+80.39	1,963,789.39	1,140,147.34

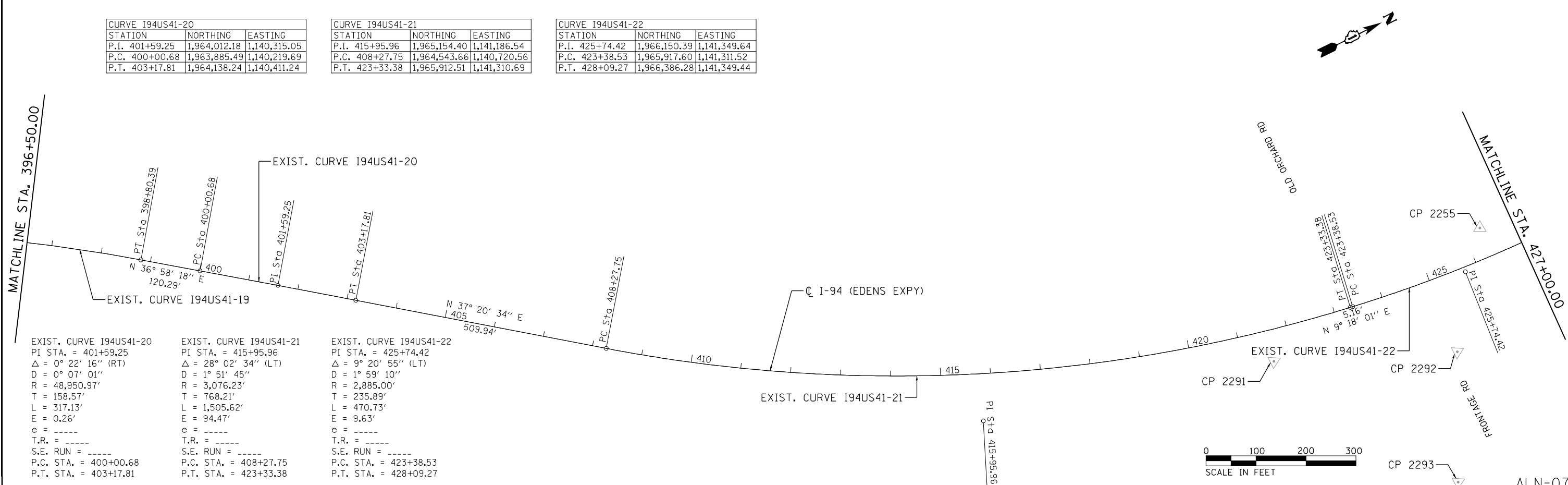


EXIST. CURVE I94US41-19
 PI STA. = 387+91.23
 $\Delta = 36^\circ 14' 07''$ (RT)
 $D = 1^\circ 36' 21''$
 $R = 3,568.28'$
 $T = 1,167.51'$
 $L = 2,256.67'$
 $E = 186.14'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 376+23.72
 P.T. STA. = 398+80.39

CURVE I94US41-20		
STATION	NORTHING	EASTING
P.I. 401+59.25	1,964,012.18	1,140,315.05
P.C. 400+00.68	1,963,885.49	1,140,219.69
P.T. 403+17.81	1,964,138.24	1,140,411.24

CURVE I94US41-21		
STATION	NORTHING	EASTING
P.I. 415+95.96	1,965,154.40	1,141,186.54
P.C. 408+27.75	1,964,543.66	1,140,720.56
P.T. 423+33.38	1,965,912.51	1,141,310.69

CURVE I94US41-22		
STATION	NORTHING	EASTING
P.I. 425+74.42	1,966,150.39	1,141,349.64
P.C. 423+38.53	1,965,917.60	1,141,311.52
P.T. 428+09.27	1,966,386.28	1,141,349.44



EXIST. CURVE I94US41-20
 PI STA. = 401+59.25
 $\Delta = 0^\circ 22' 16''$ (RT)
 $D = 0^\circ 07' 01''$
 $R = 48,950.97'$
 $T = 158.57'$
 $L = 317.13'$
 $E = 0.26'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 400+00.68
 P.T. STA. = 403+17.81

EXIST. CURVE I94US41-21
 PI STA. = 415+95.96
 $\Delta = 28^\circ 02' 34''$ (LT)
 $D = 1^\circ 51' 45''$
 $R = 3,076.23'$
 $T = 768.21'$
 $L = 1,505.62'$
 $E = 94.47'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 408+27.75
 P.T. STA. = 423+33.38

EXIST. CURVE I94US41-22
 PI STA. = 425+74.42
 $\Delta = 9^\circ 20' 55''$ (LT)
 $D = 1^\circ 59' 10''$
 $R = 2,885.00'$
 $T = 235.89'$
 $L = 470.73'$
 $E = 9.63'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 423+38.53
 P.T. STA. = 428+09.27

0 100 200 300
 SCALE IN FEET

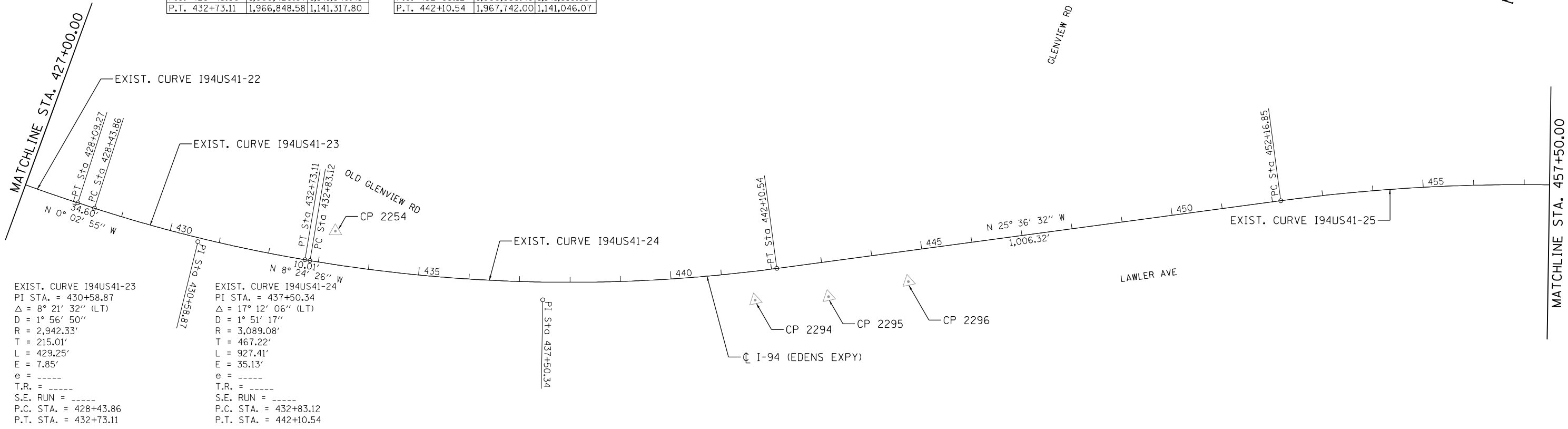
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Jacobs	USER NAME = zvolanjj	DESIGNED - GL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS			F.A.I. RTE. = 94	SECTION = 2016-068I	COUNTY = COOK/LAKE	TOTAL SHEETS = 388	SHEET NO. = 18			
	PLOT SCALE =	CHECKED - MMK	REVISED -					SCALE: 1"=100'	SHEET 7 OF 18 SHEETS	STA. 366+00.00 TO STA. 427+00.00	CONTRACT NO. 62079				
	PLOT DATE = 2/27/2020	DATE = 02/28/2020	REVISED -					ILLINOIS FED. AID PROJECT							

ALN-07

CURVE I94US41-23		
STATION	NORTHING	EASTING
P.I. 430+58.87	1,966,635.88	1,141,349.23
P.C. 428+43.86	1,966,420.87	1,141,349.41
P.T. 432+73.11	1,966,848.58	1,141,317.80

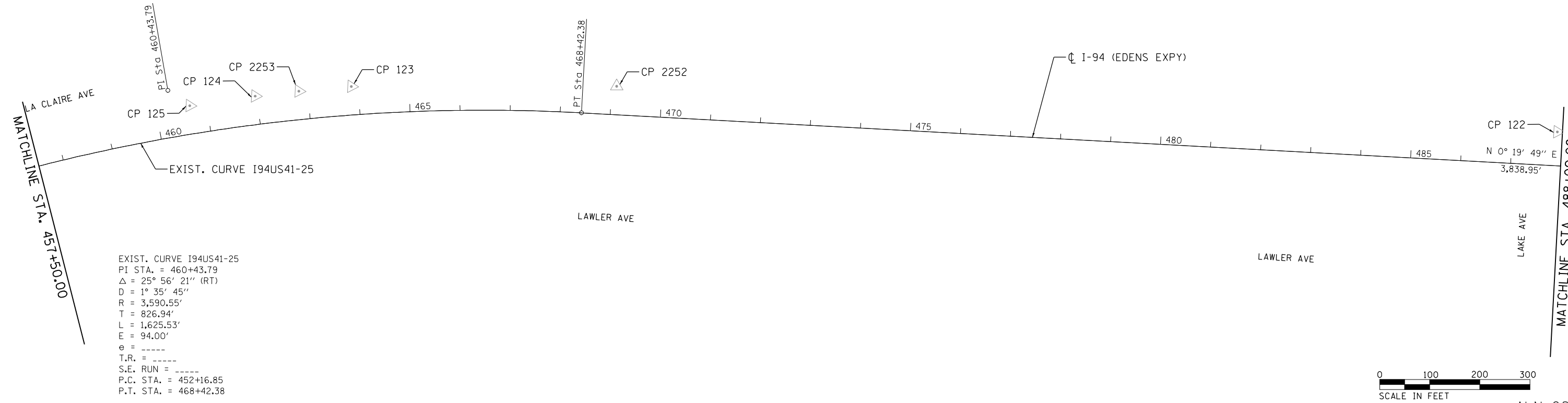
CURVE I94US41-24		
STATION	NORTHING	EASTING
P.I. 437+50.34	1,967,320.68	1,141,248.02
P.C. 432+83.12	1,966,858.48	1,141,316.33
P.T. 442+10.54	1,967,742.00	1,141,046.07



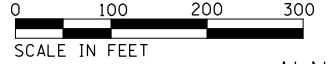
EXIST. CURVE I94US41-23
 PI STA. = 430+58.87
 Δ = 8° 21' 32" (LT)
 D = 1° 56' 50"
 R = 2,942.33'
 T = 215.01'
 L = 429.25'
 E = 7.85'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 428+43.86
 P.T. STA. = 432+73.11

EXIST. CURVE I94US41-24
 PI STA. = 437+50.34
 Δ = 17° 12' 06" (LT)
 D = 1° 51' 17"
 R = 3,089.08'
 T = 467.22'
 L = 927.41'
 E = 35.13'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 432+83.12
 P.T. STA. = 442+10.54

CURVE I94US41-25		
STATION	NORTHING	EASTING
P.I. 460+43.79	1,969,395.17	1,140,253.70
P.C. 452+16.85	1,968,649.46	1,140,611.12
P.T. 468+42.38	1,970,222.09	1,140,258.46



EXIST. CURVE I94US41-25
 PI STA. = 460+43.79
 Δ = 25° 56' 21" (RT)
 D = 1° 35' 45"
 R = 3,590.55'
 T = 826.94'
 L = 1,625.53'
 E = 94.00'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 452+16.85
 P.T. STA. = 468+42.38



FILE NAME = p:\u\slasb-APP066CS\jacobs.com\M1\Documents\C920600-1-94_ILL-41\C920600\700-cadd\713tr-a\62D79 (Fiber)\37613-sheet-ATEB_008.dgn



USER NAME = zvolanjj	DESIGNED - GL	REVISD -
DRAWN - GL	REVISD -	
PLOT SCALE =	CHECKED - MMK	REVISD -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISD -

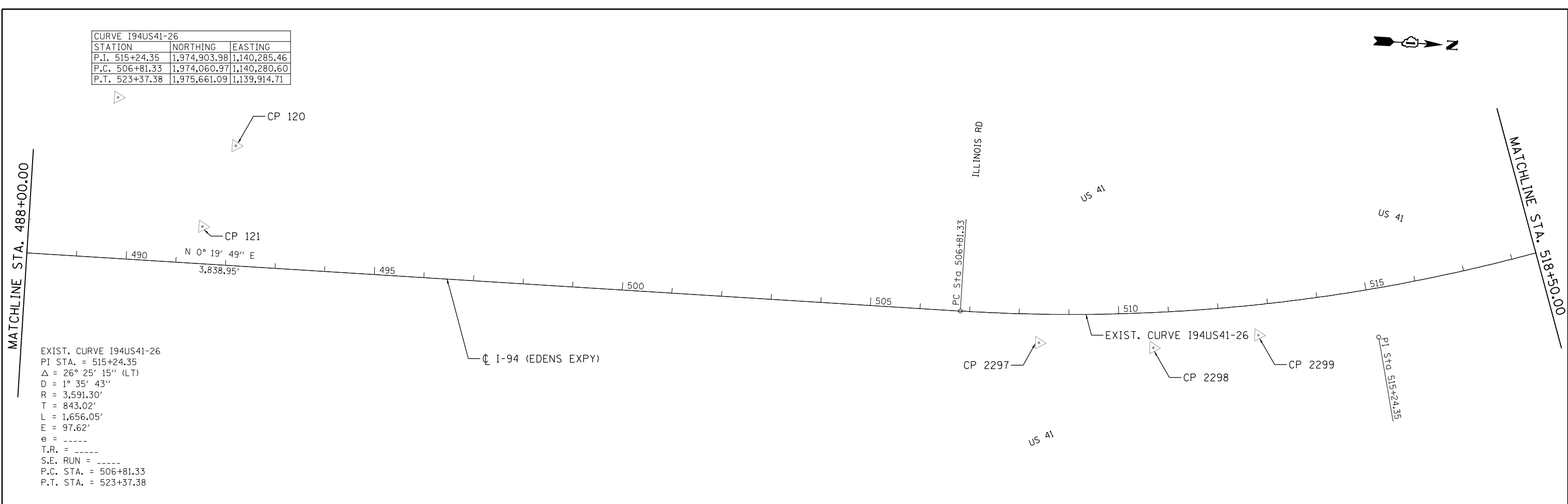
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS		
SCALE: 1"=100'	SHEET 8	OF 18 SHEETS
STA. 427+00.00	TO STA. 488+00.00	

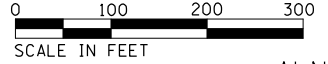
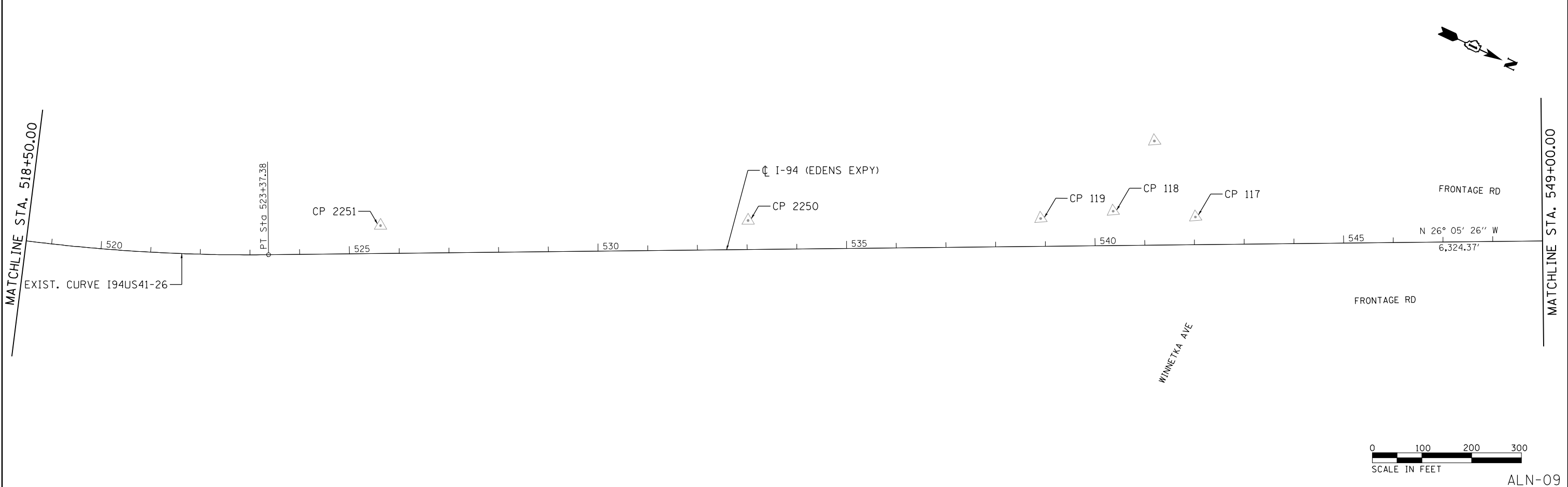
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	19
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ALN-08

CURVE I94US41-26		
STATION	NORTHING	EASTING
P.I. 515+24.35	1,974,903.98	1,140,285.46
P.C. 506+81.33	1,974,060.97	1,140,280.60
P.T. 523+37.38	1,975,661.09	1,139,914.71



EXIST. CURVE I94US41-26
 PI STA. = 515+24.35
 $\Delta = 26^\circ 25' 15''$ (LT)
 $D = 1^\circ 35' 43''$
 $R = 3,591.30'$
 $T = 843.02'$
 $L = 1,656.05'$
 $E = 97.62'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 506+81.33
 P.T. STA. = 523+37.38



FILE NAME = p:\a\us\las0-APP066CS\jacobson\Documents\C920600-1-94-ILS-41\C920600\700\add\13tr-a\62D79 (Fiber)\C09_DIP9137613-sheet-ATB_009.dgn

Jacobs	USER NAME = zvolanjj	DESIGNED - GL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MMK	REVISED -					94	2016-06BI	COOK/LAKE	388	20
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -					CONTRACT NO. 62D79				
					SCALE: 1"=100'	SHEET 9	OF 18	SHEETS	STA. 488+00.00	TO STA. 549+00.00	ILLINOIS FED. AID PROJECT	

ALN-09

FILE NAME = p:\u\slas0-APP066CS\jacobson\Documents\C9420600-1-94-ILS-41\C9420600-700\cadd\13tr-a\62D79 (Fiber)\C10.D\F9137613-sheets-A1B.010.dgn

MATCHLINE STA. 549+00.00

MATCHLINE STA. 579+50.00

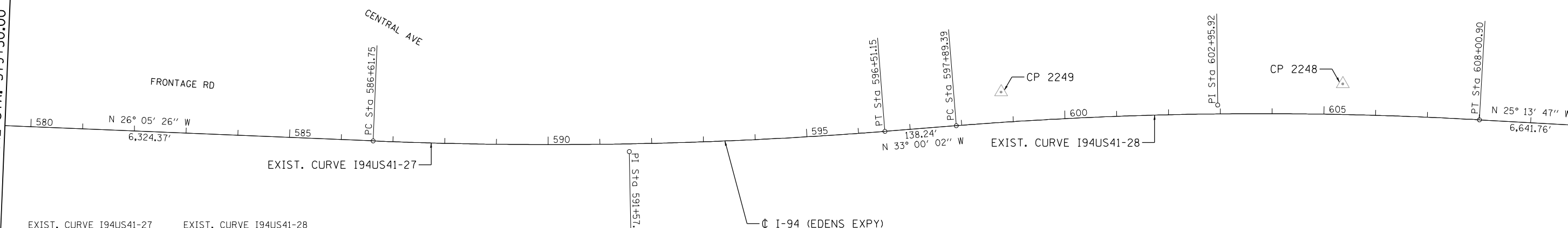


CURVE I94US41-27		
STATION	NORTHING	EASTING
P.I. 591+57.05	1,981,785.84	1,136,915.49
P.C. 586+61.75	1,981,341.01	1,137,133.32
P.T. 596+51.15	1,982,201.24	1,136,645.73

CURVE I94US41-28		
STATION	NORTHING	EASTING
P.I. 602+95.92	1,982,741.98	1,136,294.55
P.C. 597+89.39	1,982,317.17	1,136,570.43
P.T. 608+00.90	1,983,200.19	1,136,078.64

MATCHLINE STA. 579+50.00

MATCHLINE STA. 610+00.00



EXIST. CURVE I94US41-27	EXIST. CURVE I94US41-28
PI STA. = 591+57.05	PI STA. = 602+95.92
Δ = 6° 54' 36" (LT)	Δ = 7° 46' 15" (RT)
D = 0° 41' 54"	D = 0° 46' 06"
R = 8,203.72'	R = 7,458.13'
T = 495.30'	T = 506.53'
L = 989.40'	L = 1,011.51'
E = 14.94'	E = 17.18'
e = -----	e = -----
T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 586+61.75	P.C. STA. = 597+89.39
P.T. STA. = 596+51.15	P.T. STA. = 608+00.90



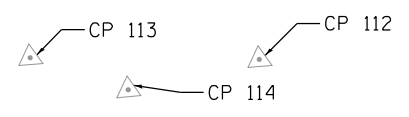
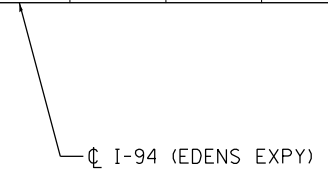
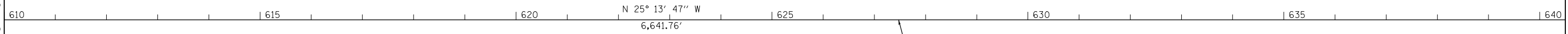
ALN-10

	USER NAME = zvolanjj	DESIGNED - GL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MMK	REVISED -					94	2016-068I	COOK/LAKE	388	21
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -					SCALE: 1"=100'		SHEET 10 OF 18 SHEETS	STA. 549+00.00 TO STA. 610+00.00	CONTRACT NO. 62079

FILE NAME = p:\a\us\slas0-APP066CS\jacobson\Documents\C9420600-1-94_ILS:41\C9420600\700cadd\13tr-a\62D79 (Fiber)\C11.D\1317613-shnee-ATB_01.dgn

MATCHLINE STA. 610+00.00

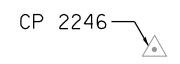
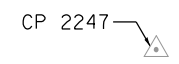
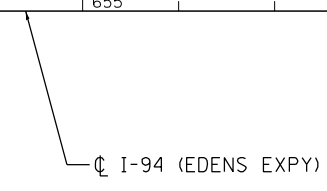
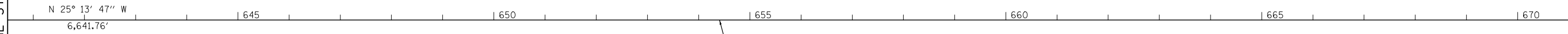
MATCHLINE STA. 640+50.00



TOWER RD

MATCHLINE STA. 640+50.00

MATCHLINE STA. 671+00.00



FRONTAGE RD

N BRANCH TRAIL



ALN-11



USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 11 OF 18 SHEETS STA. 610+00.00 TO STA. 671+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	22
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

CURVE I94US41-29		
STATION	NORTHING	EASTING
P.I. 681+41.77	1,989,840.78	1,132,949.60
P.C. 674+42.66	1,989,208.36	1,133,247.60
P.T. 688+23.31	1,990,538.93	1,132,912.88

MATCHLINE STA. 671+00.00

N 25° 13' 47" W
6,641.76'

EXIST. CURVE I94US41-29
 PI STA. = 681+41.77
 Δ = 22° 13' 06" (RT)
 D = 1° 36' 33"
 R = 3,560.35'
 T = 699.11'
 L = 1,380.65'
 E = 67.99'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 674+42.66
 P.T. STA. = 688+23.31

SKOKIE BLVD

CP 110

PI Sta 681+41.77

CP 111

CP 109

EXIST. CURVE I94US41-29

☉ I-94 (EDENS EXPY)

PT Sta 688+23.31

N 3° 00' 41" W
420.93'

N BRANCH TRAIL

PC Sta 692+44.24

EXIST. CURVE I94US41-30

CP 2303

CP 2305

PI Sta 699+19.97

CP 2304

MATCHLINE STA. 701+50.00

CURVE I94US41-30		
STATION	NORTHING	EASTING
P.I. 699+19.97	1,991,634.08	1,132,855.26
P.C. 692+44.24	1,990,959.28	1,132,890.76
P.T. 705+85.59	1,992,268.37	1,132,622.25

CURVE I94US41-31		
STATION	NORTHING	EASTING
P.I. 710+55.13	1,992,709.11	1,132,460.34
P.C. 706+27.45	1,992,307.66	1,132,607.82
P.T. 714+80.08	1,993,074.22	1,132,237.62

MATCHLINE STA. 701+50.00

PI Sta 705+85.59
 PC Sta 706+27.45

EXIST. CURVE I94US41-30
 PI STA. = 699+19.97
 Δ = 17° 09' 36" (LT)
 D = 1° 16' 46"
 R = 4,478.66'
 T = 675.74'
 L = 1,341.35'
 E = 50.69'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 692+44.24
 P.T. STA. = 705+85.59

EXIST. CURVE I94US41-31
 PI STA. = 710+55.13
 Δ = 11° 12' 41" (LT)
 D = 1° 18' 54"
 R = 4,357.32'
 T = 427.68'
 L = 852.63'
 E = 20.94'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 706+27.45
 P.T. STA. = 714+80.08

PI Sta 710+55.13

N BRANCH TRAIL

CP 108

CP 106

PI Sta 714+80.08

CP 107

EXIST. CURVE I94US41-31

DUNDEE RD

☉ I-94 (EDENS EXPY)

N 31° 22' 58" W
1,943.79'



MATCHLINE STA. 732+00.00

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Jacobs

USER NAME = zvolanj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

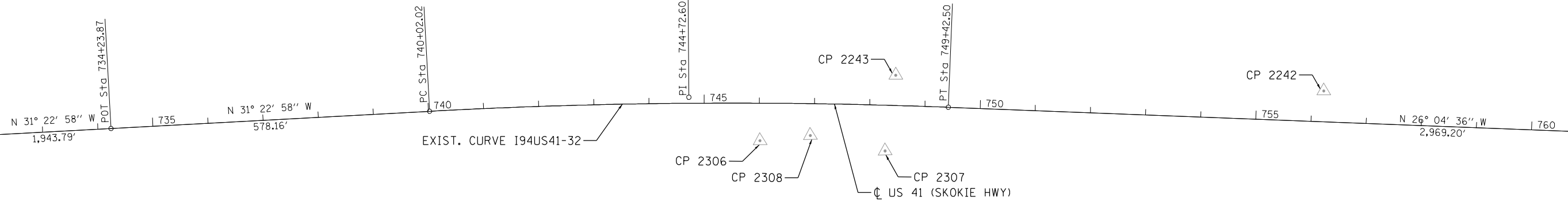
SCALE: 1"=100' SHEET 12 OF 18 SHEETS STA. 671+00.00 TO STA. 732+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	23
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ALN-12

CURVE I94US41-32		
STATION	NORTHING	EASTING
P.I. 744+72.60	1,995,628.95	1,130,679.26
P.C. 740+02.02	1,995,227.22	1,130,924.31
P.T. 749+42.50	1,996,051.62	1,130,472.41

MATCHLINE STA. 732+00.00

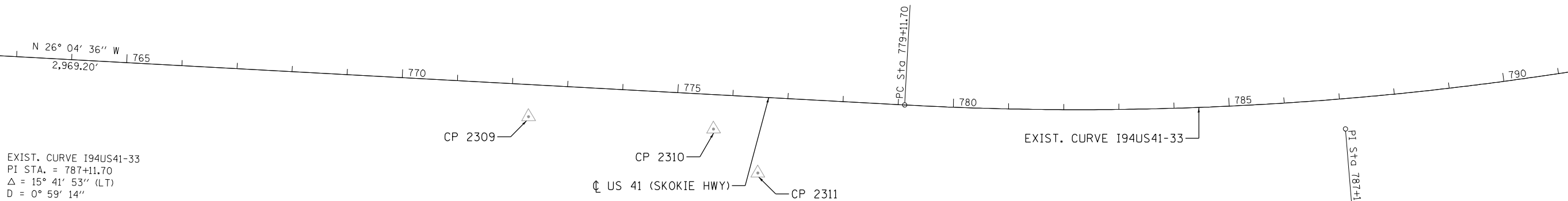


EXIST. CURVE I94US41-32
 PI STA. = 744+72.60
 Δ = 5° 18' 23" (RT)
 D = 0° 33' 51"
 R = 10,154.94'
 T = 470.57'
 L = 940.47'
 E = 10.90'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 740+02.02
 P.T. STA. = 749+42.50

MATCHLINE STA. 762+50.00

CURVE I94US41-33		
STATION	NORTHING	EASTING
P.I. 787+11.70	1,999,437.15	1,128,815.57
P.C. 779+11.70	1,998,718.58	1,129,167.23
P.T. 795+01.68	2,000,033.77	1,128,282.61

MATCHLINE STA. 762+50.00



EXIST. CURVE I94US41-33
 PI STA. = 787+11.70
 Δ = 15° 41' 53" (LT)
 D = 0° 59' 14"
 R = 5,803.26'
 T = 800.00'
 L = 1,589.98'
 E = 54.88'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 779+11.70
 P.T. STA. = 795+01.68

LAKE COOK RD



ALN-13

FILE NAME = p:\a\uslas08-APP066CS-jacobson\Documents\C9420600-1-94-ILS-41\C9420600\700-cadd\73tr-a\62D79 (F:\bar)\C13.D\F9137613-sheets-A1B.L013.dgn



USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 13 OF 18 SHEETS STA. 732+00.00 TO STA. 793+00.00

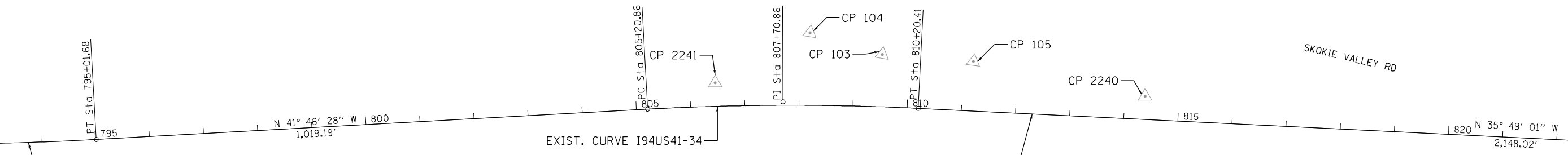
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	24
CONTRACT NO. 62079				

ILLINOIS FED. AID PROJECT

CURVE I94US41-34		
STATION	NORTHING	EASTING
P.I. 807+70.86	2,000,980.29	1,127,437.08
P.C. 805+20.86	2,000,793.85	1,127,603.63
P.T. 810+20.41	2,001,183.01	1,127,290.78

MATCHLINE STA. 793+00.00

MATCHLINE STA. 823+50.00

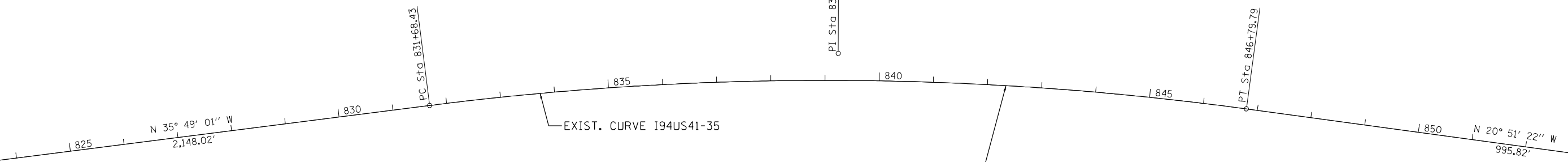


EXIST. CURVE I94US41-34
 PI STA. = 807+70.86
 Δ = 5° 57' 27" (RT)
 D = 1° 11' 33"
 R = 4,804.29'
 T = 250.00'
 L = 499.55'
 E = 6.50'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 805+20.86
 P.T. STA. = 810+20.41

CURVE I94US41-35		
STATION	NORTHING	EASTING
P.I. 839+28.43	2,003,541.10	1,125,589.02
P.C. 831+68.43	2,002,924.82	1,126,033.77
P.T. 846+79.79	2,004,251.31	1,125,318.44

MATCHLINE STA. 823+50.00

MATCHLINE STA. 854+00.00



EXIST. CURVE I94US41-35
 PI STA. = 839+28.43
 Δ = 14° 57' 39" (RT)
 D = 0° 59' 24"
 R = 5,788.05'
 T = 760.00'
 L = 1,511.35'
 E = 49.68'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 831+68.43
 P.T. STA. = 846+79.79



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USER NAME = zvolanjj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 14 OF 18 SHEETS STA. 793+00.00 TO STA. 854+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	25
CONTRACT NO. 62079				

ILLINOIS FED. AID PROJECT

CURVE I94US41-36		
STATION	NORTHING	EASTING
P.I. 862+31.73	2,005,701.56	1,124,765.92
P.C. 856+75.61	2,005,181.88	1,124,963.91
P.T. 867+86.69	2,006,240.11	1,124,627.22

MATCHLINE STA. 854+00.00

EXIST. CURVE I94US41-36
 PI STA. = 862+31.73
 $\Delta = 6^\circ 24' 52''$ (RT)
 $D = 0^\circ 34' 38''$
 $R = 9,924.57'$
 $T = 556.12'$
 $L = 1,111.08'$
 $E = 15.57'$
 $\phi = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 856+75.61
 P.T. STA. = 867+86.69

CURVE I94US41-37		
STATION	NORTHING	EASTING
P.I. 894+78.89	2,008,847.25	1,123,955.81
P.C. 882+97.26	2,007,702.96	1,124,250.50
P.T. 906+28.82	2,009,785.98	1,123,238.16

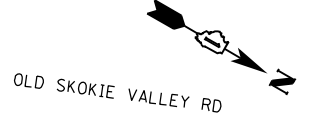
MATCHLINE STA. 884+50.00

EXIST. CURVE I94US41-37
 PI STA. = 894+78.89
 $\Delta = 22^\circ 57' 22''$ (LT)
 $D = 0^\circ 59' 04''$
 $R = 5,819.33'$
 $T = 1,181.63'$
 $L = 2,331.56'$
 $E = 118.75'$
 $\phi = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 882+97.26
 P.T. STA. = 906+28.82

FILE NAME = p:\a\us\las0-APP066CS_jacobson\Documents\C920600-1-94-ILS-41\C920600\700-cadd\713tr-a\62D79 (Fiber)\C15.D\F9137613-sheets-A1B.015.dgn



MATCHLINE STA. 884+50.00



MATCHLINE STA. 915+00.00



ALN-15

Jacobs	USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	PLOT SCALE =	DRAWN - GL	REVISED -
	PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
		DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
94	2016-06BI	COOK/LAKE	388
			SHEET NO. 26
CONTRACT NO. 62079			

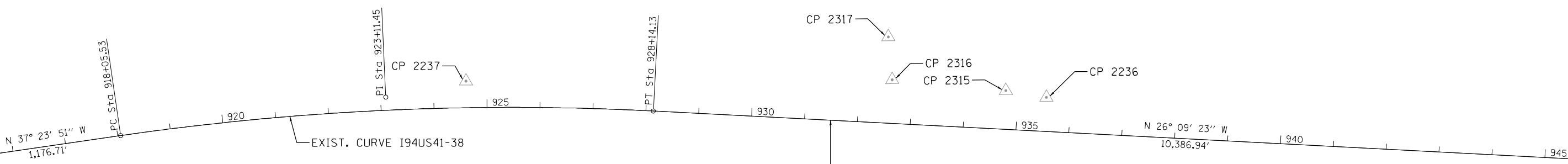
SCALE: 1"=100' SHEET 15 OF 18 SHEETS STA. 854+00.00 TO STA. 915+00.00

ILLINOIS FED. AID PROJECT			
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CURVE I94US41-38		
STATION	NORTHING	EASTING
P.I. 923+11.45	2,011,122.73	1,122,216.22
P.C. 918+05.53	2,010,720.80	1,122,523.49
P.T. 928+14.13	2,011,576.85	1,121,993.20

MATCHLINE STA. 915+00.00

MATCHLINE STA. 945+50.00



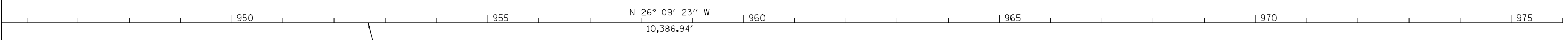
EXIST. CURVE I94US41-38
 PI STA. = 923+11.45
 $\Delta = 11^\circ 14' 29''$ (RT)
 $D = 1^\circ 06' 52''$
 $R = 5,140.77'$
 $T = 505.93'$
 $L = 1,008.60'$
 $E = 24.84'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 918+05.53
 P.T. STA. = 928+14.13

US 41 (SKOKIE HWY)

PARK AVE

SKOKIE VALLEY BIKE PATH

MATCHLINE STA. 945+50.00



US 41 (SKOKIE HWY)

HALF DAY RD



FILE NAME = p:\a\uslas08-APP066CS-jacobson\Documents\C9206600_1-94_ILS:4\1\CS\9206600\700\cadd\13tr-a\62D79 (F:\bar)\C16.D\F9137613-sheet-A1B.016.dgn

Jacobs

USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

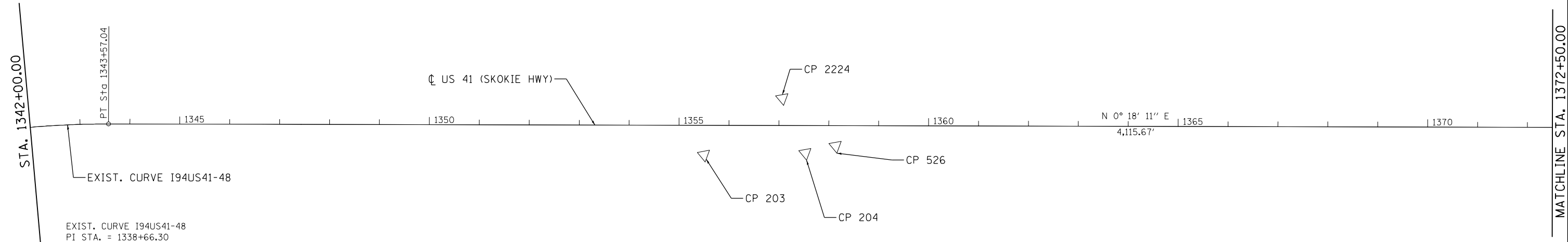
SCALE: 1"=100' SHEET 16 OF 18 SHEETS STA. 915+00.00 TO STA. 976+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	27
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ALN-16

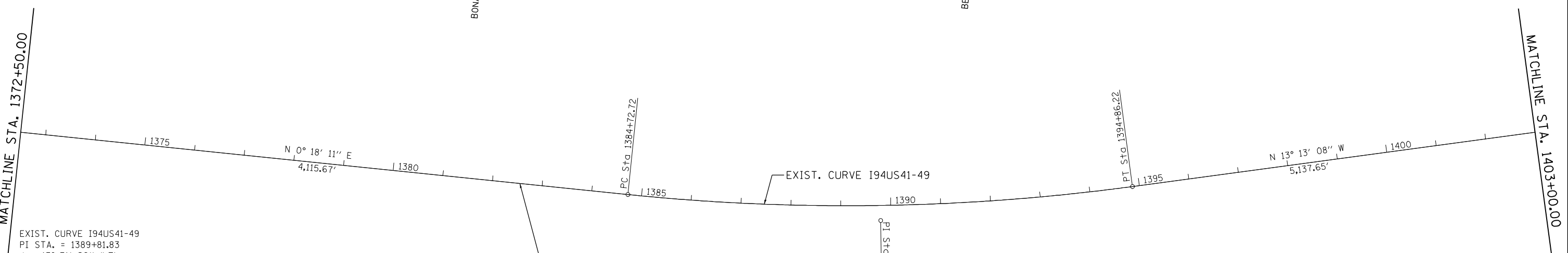


CURVE I94US41-48		
STATION	NORTHING	EASTING
P.I. 1338+66.30	2,048,818.26	1,108,028.54
P.C. 1333+45.63	2,048,382.81	1,108,313.99
P.T. 1343+57.04	2,049,338.92	1,108,031.29

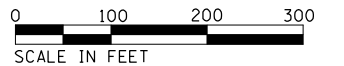


EXIST. CURVE I94US41-48
 PI STA. = 1338+66.30
 $\Delta = 33^\circ 32' 58''$ (RT)
 $D = 3^\circ 19' 02''$
 $R = 1,727.28'$
 $T = 520.67'$
 $L = 1,011.41'$
 $E = 76.77'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 1333+45.63
 P.T. STA. = 1343+57.04

CURVE I94US41-49		
STATION	NORTHING	EASTING
P.I. 1389+81.83	2,053,963.65	1,108,055.76
P.C. 1384+72.72	2,053,454.53	1,108,053.06
P.T. 1394+86.22	2,054,459.28	1,107,939.34



EXIST. CURVE I94US41-49
 PI STA. = 1389+81.83
 $\Delta = 13^\circ 31' 20''$ (LT)
 $D = 1^\circ 20' 03''$
 $R = 4,294.41'$
 $T = 509.12'$
 $L = 1,013.51'$
 $E = 30.07'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 1384+72.72
 P.T. STA. = 1394+86.22



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USER NAME = zvolanj	DESIGNED - GL	REVISED -
DRAWN - GL	REVISED -	
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

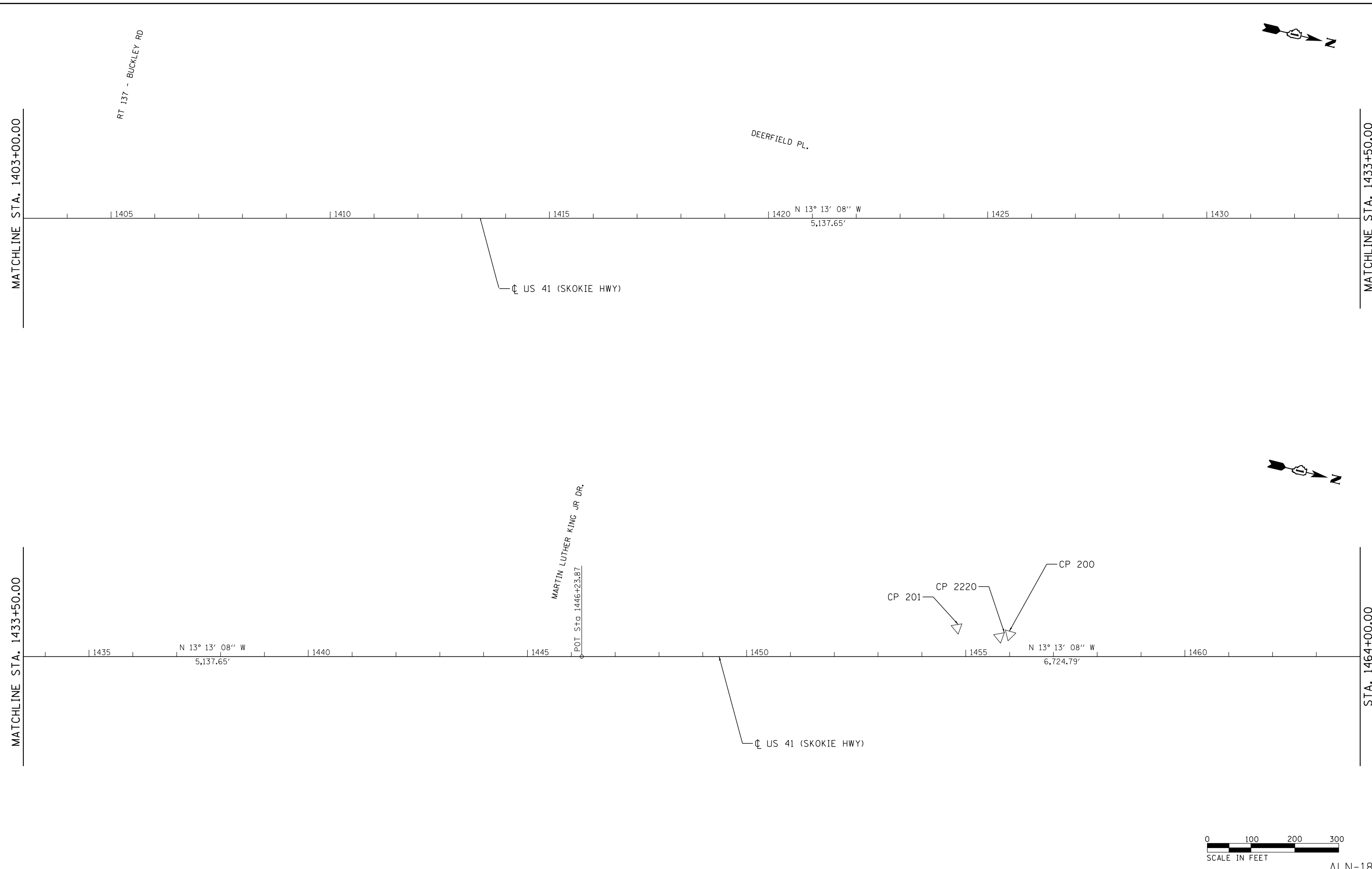
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 17 OF 18 SHEETS STA. 1342+00.00 TO STA. 1403+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	28
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ALN-17

FILE NAME = p:\u\slas0-APP066CS\jacobson\Documents\C9206600-1-94.U.S. 41\C9206600\700cadd\13tr\62D79 (Fiber)\C16a_DIP9137613-sheet-ATB_018.dgn



Jacobs

USER NAME = zvolanjj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

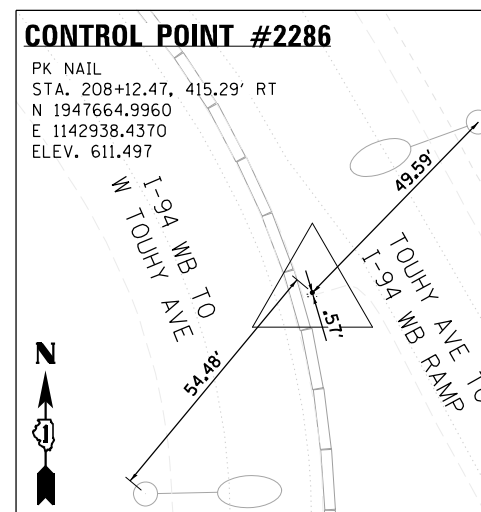
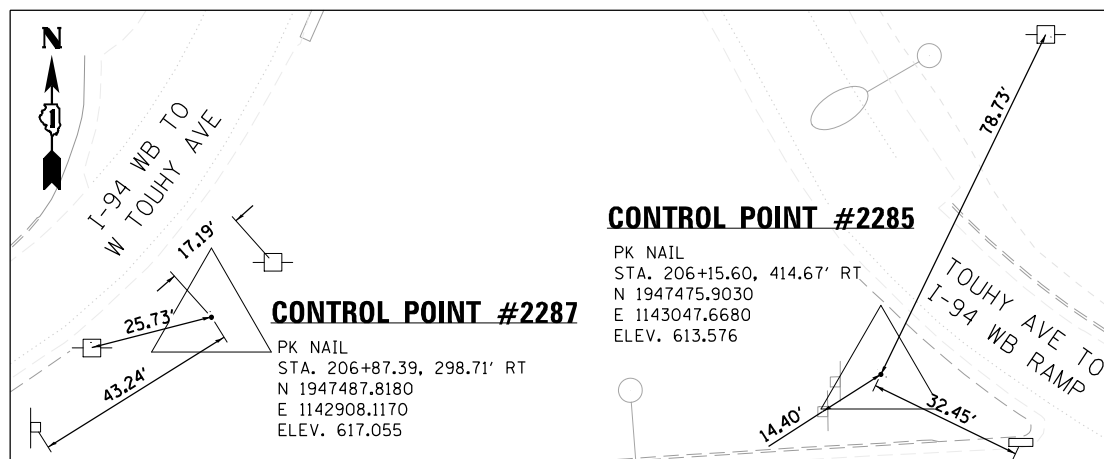
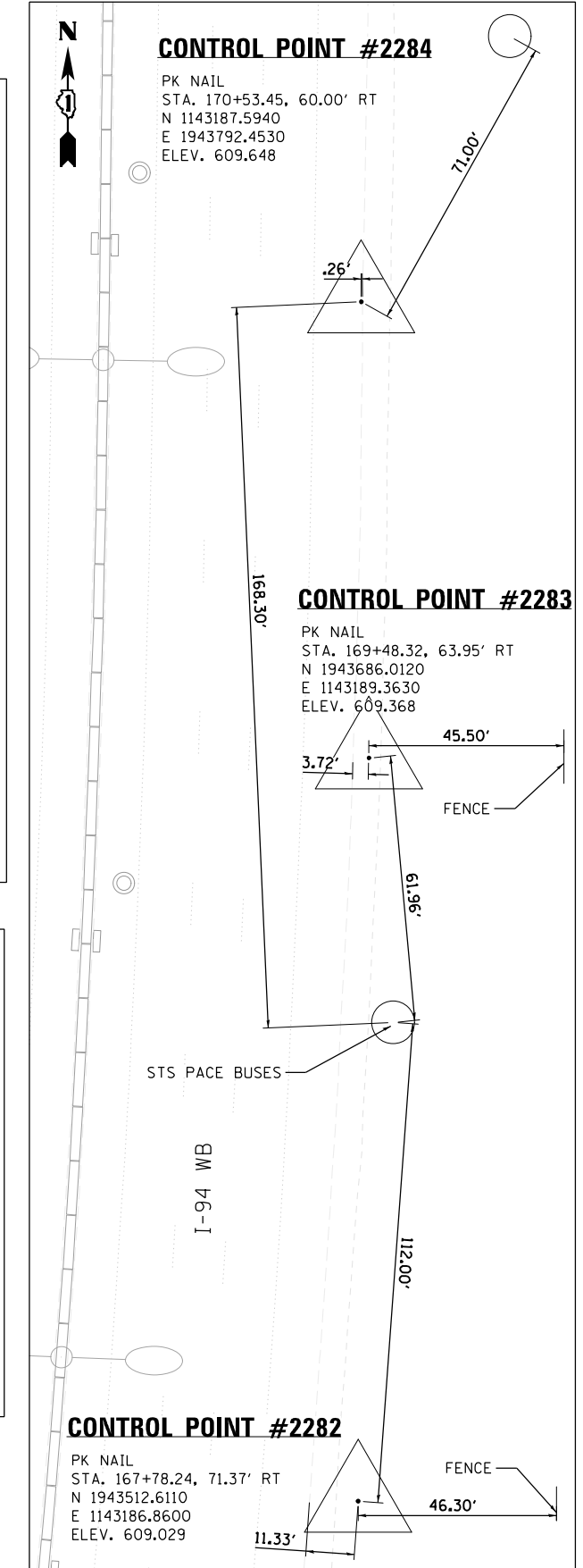
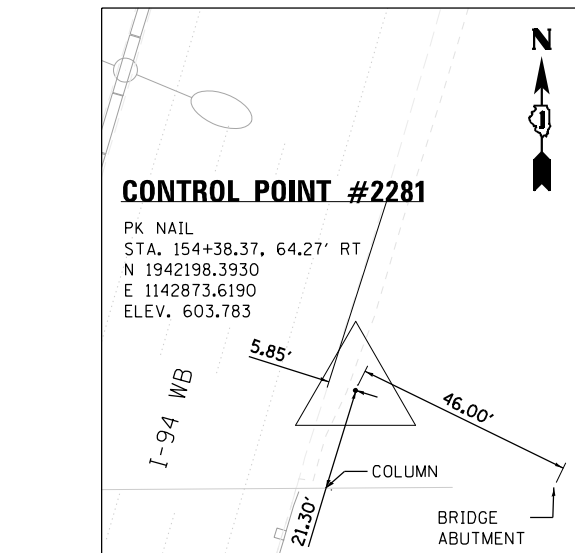
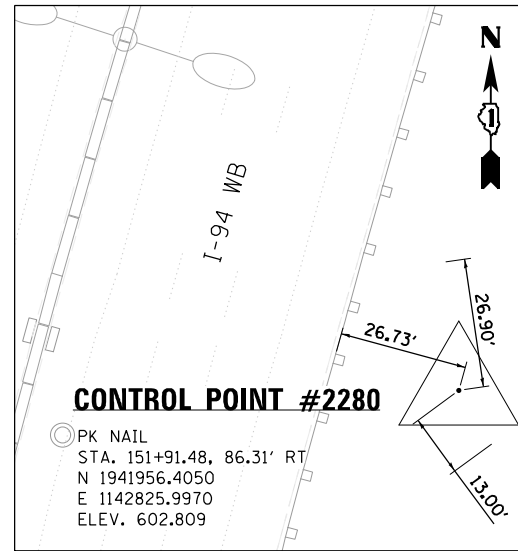
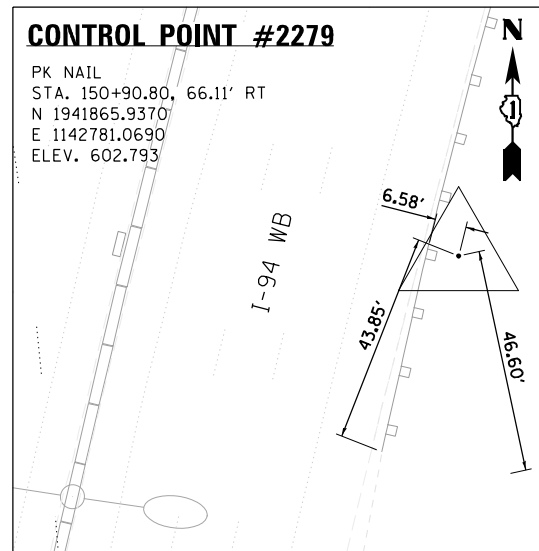
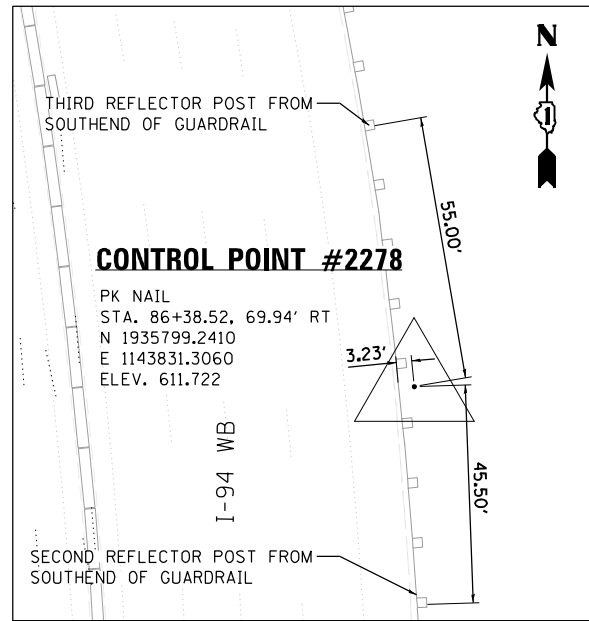
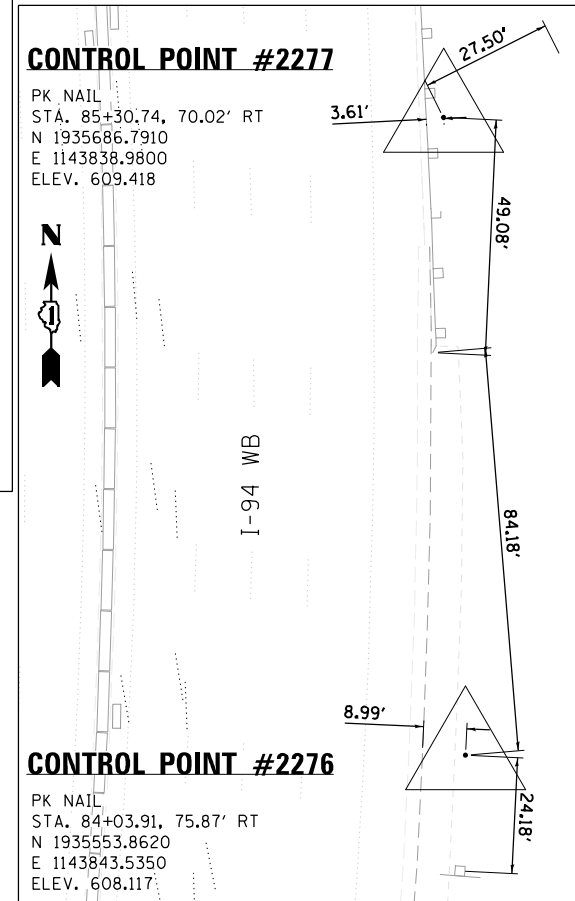
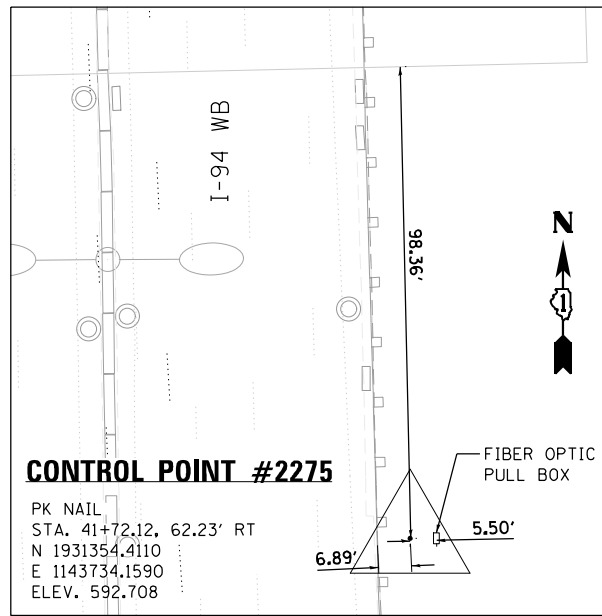
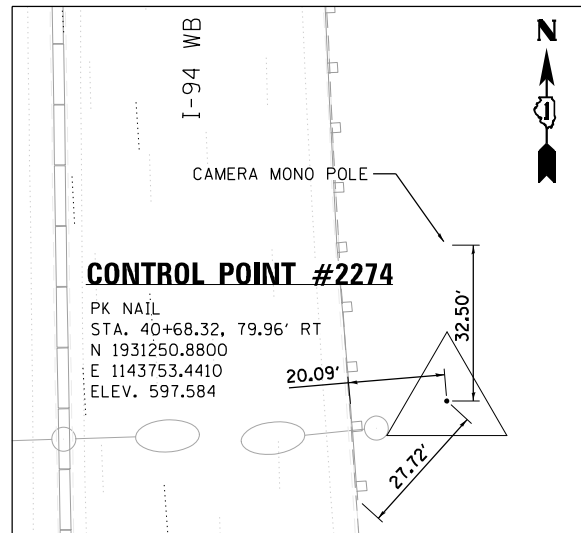
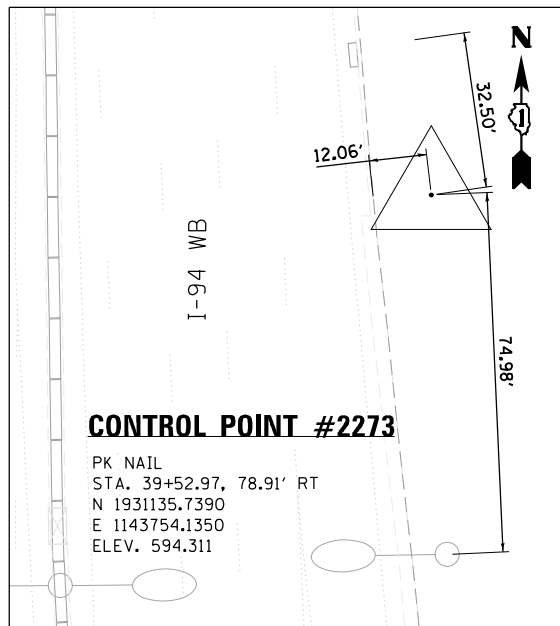
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 18 OF 18 SHEETS STA. 1403+00.00 TO STA. 1464+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	29
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ALN-18

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Jacobs

USER NAME = zvolanj	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

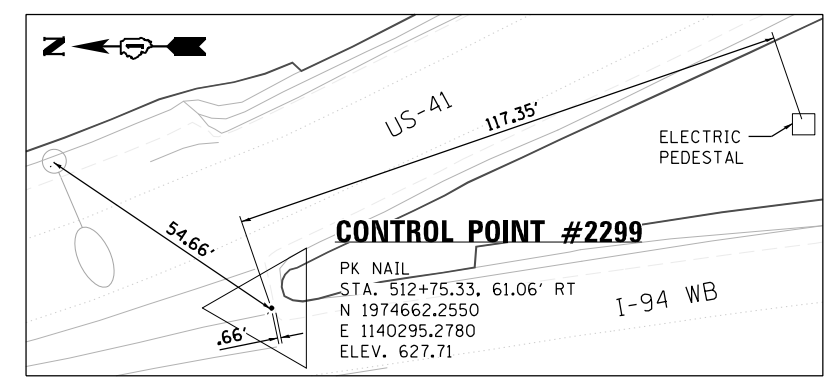
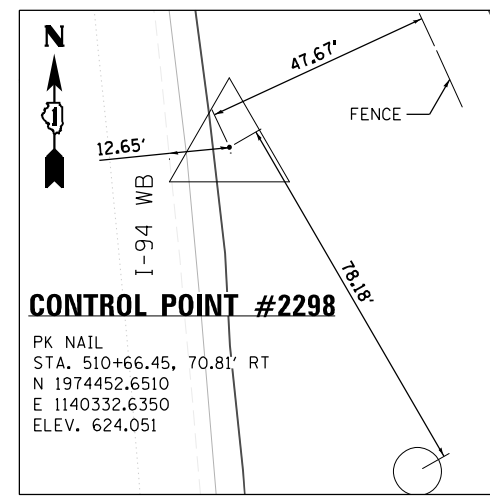
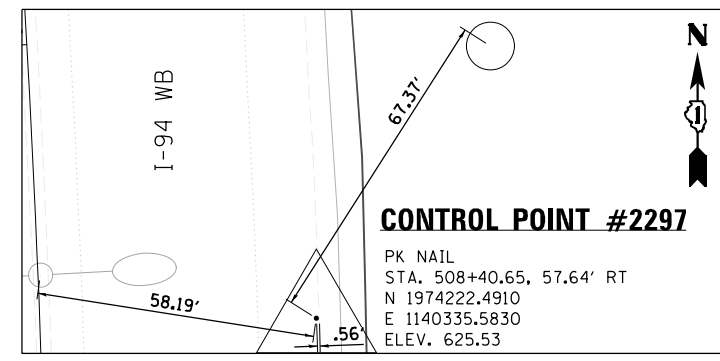
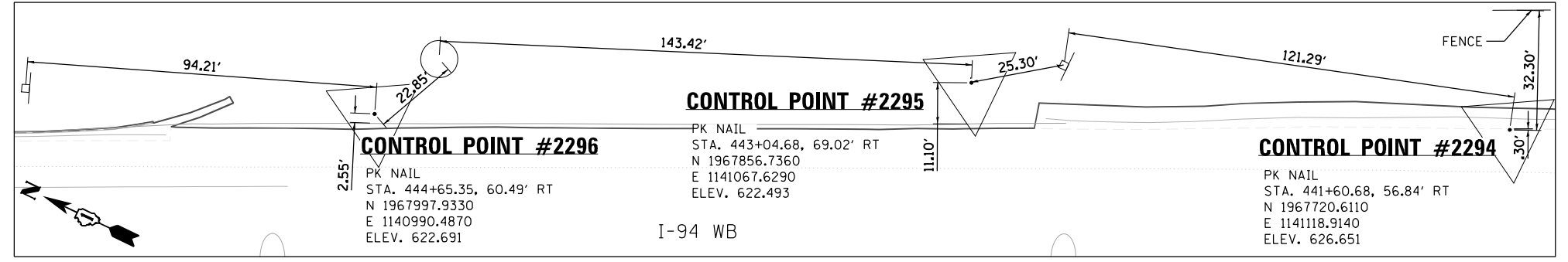
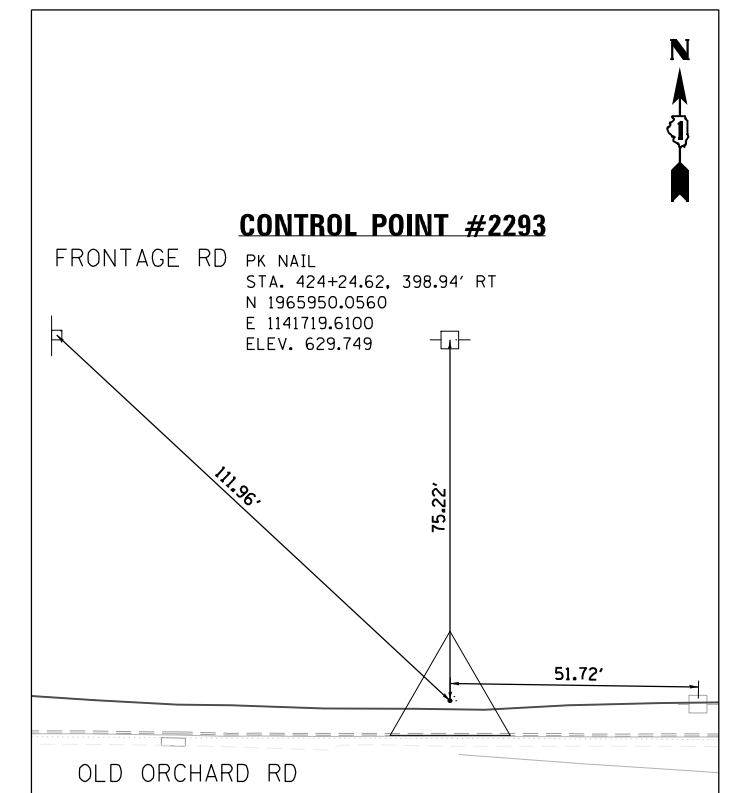
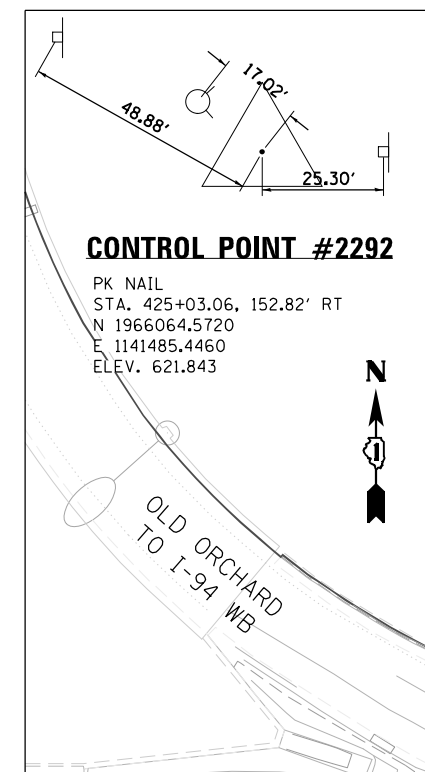
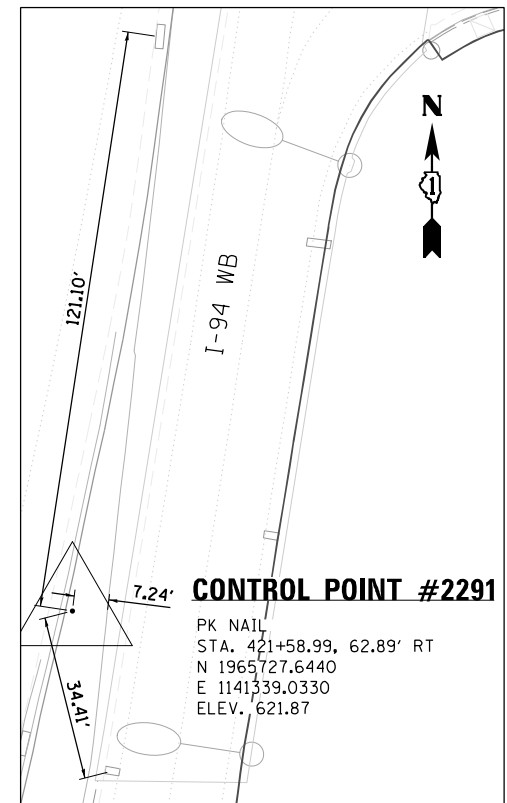
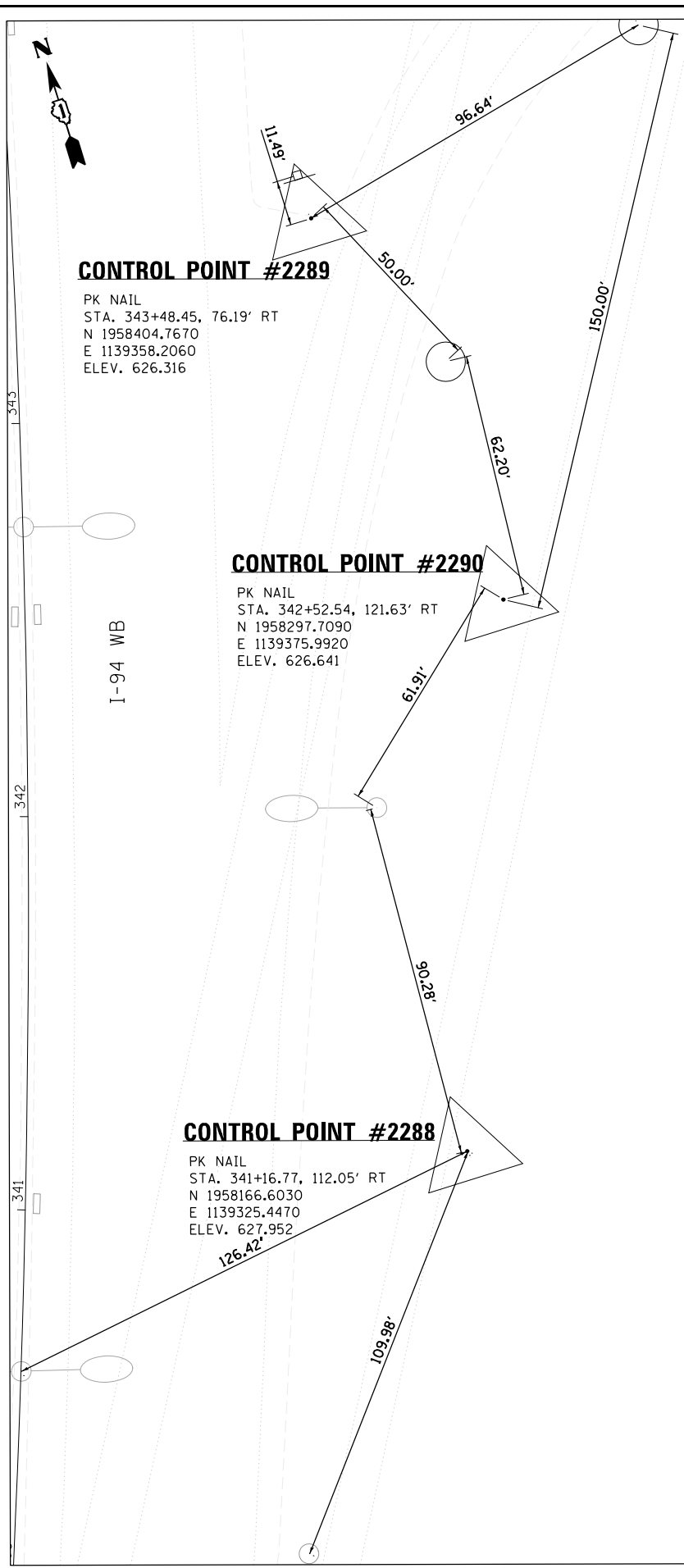
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONTROL POINTS			
SCALE: 1"=20'	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	30
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CTP-01

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Jacobs

USER NAME = zvolanj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

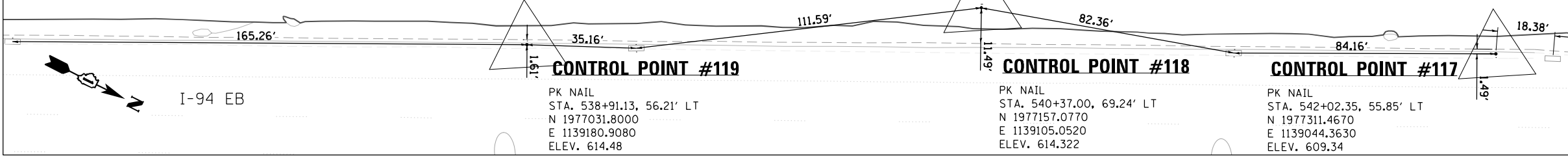
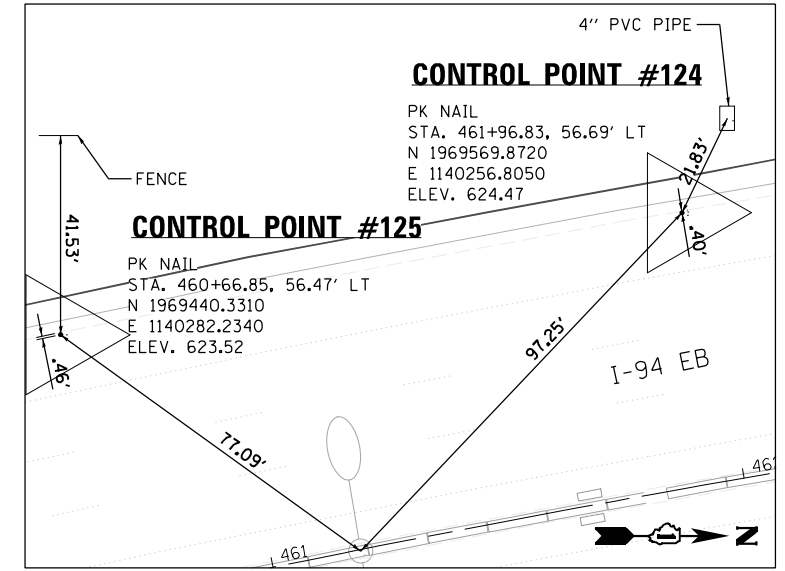
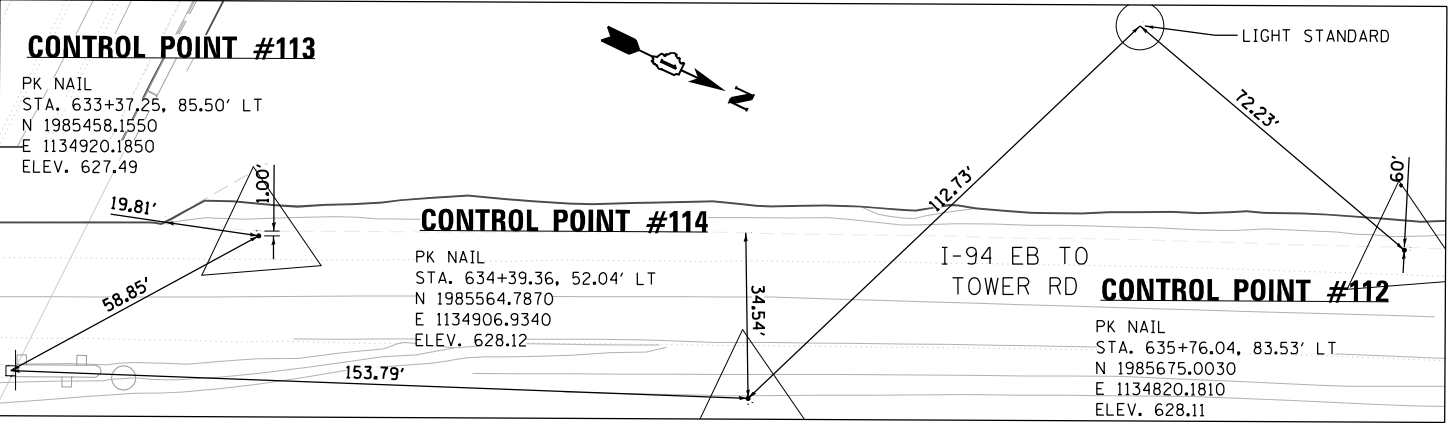
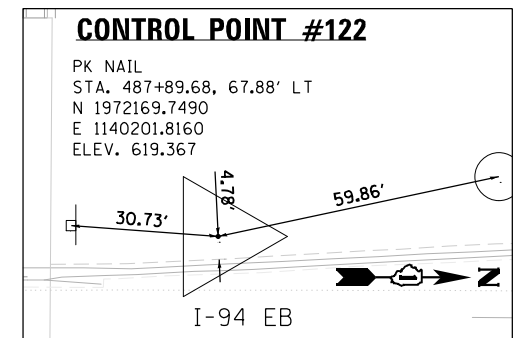
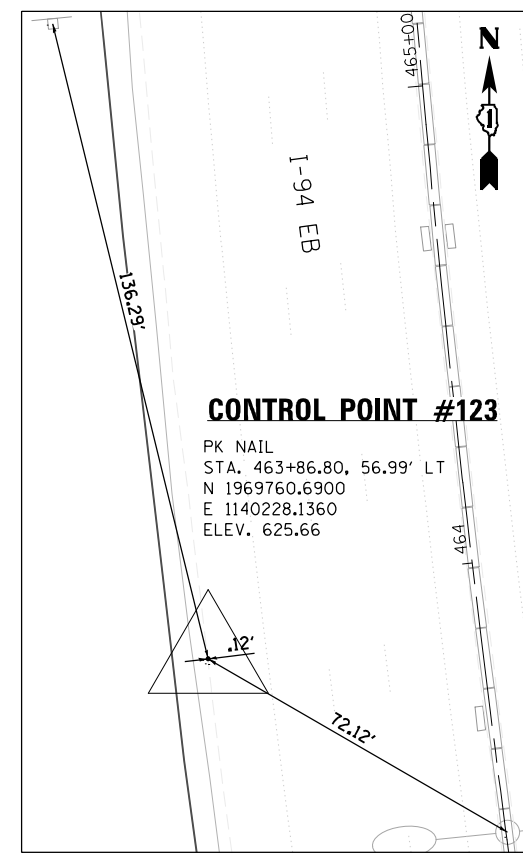
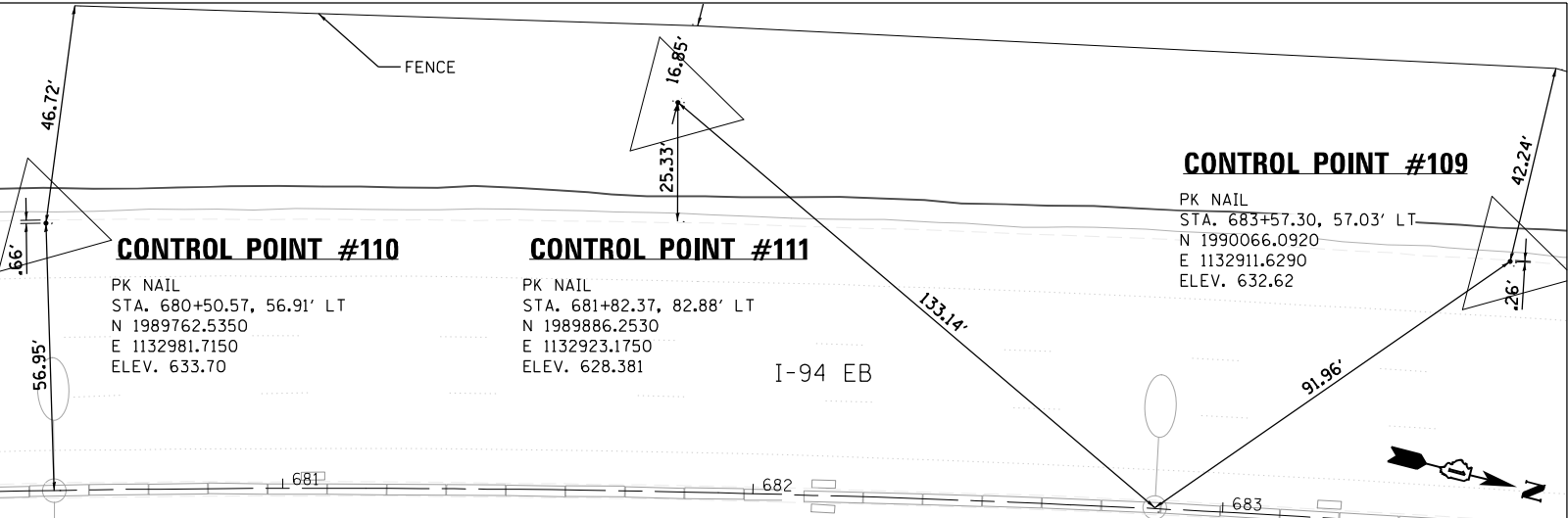
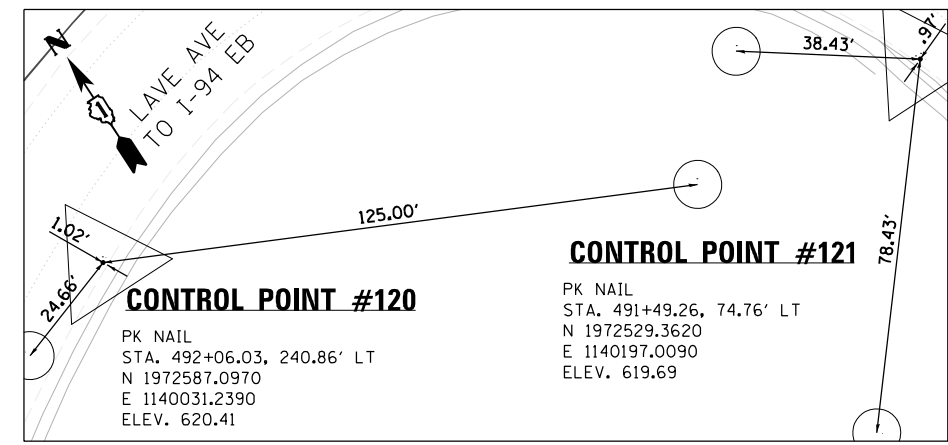
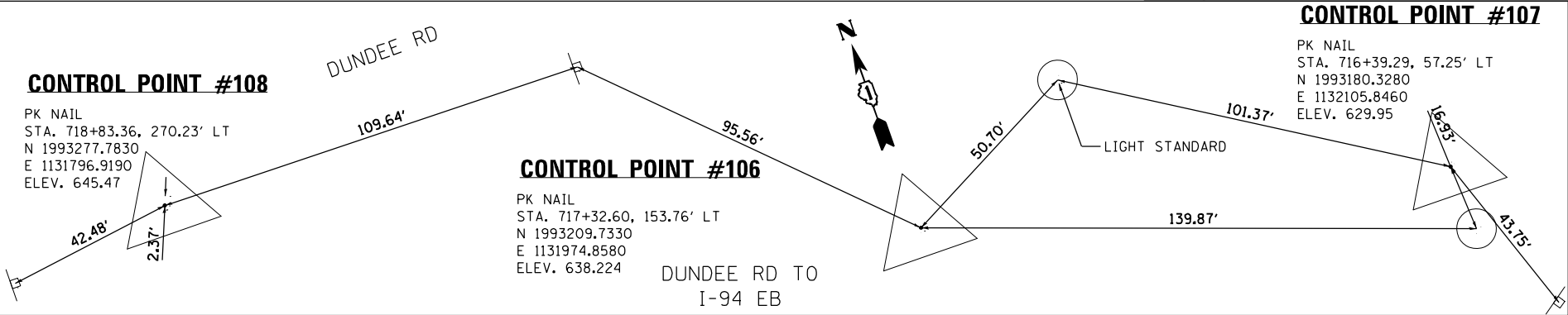
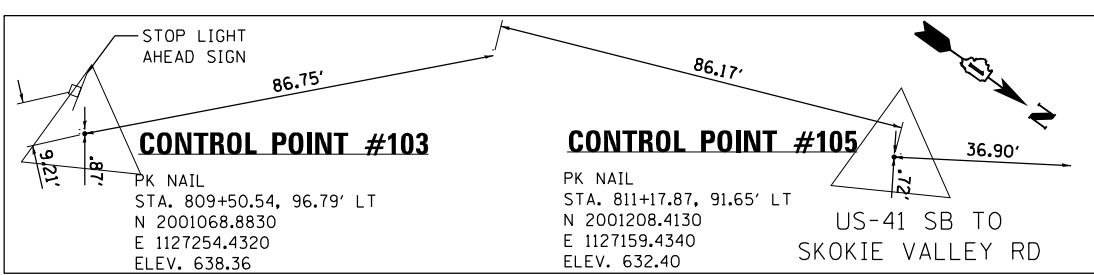
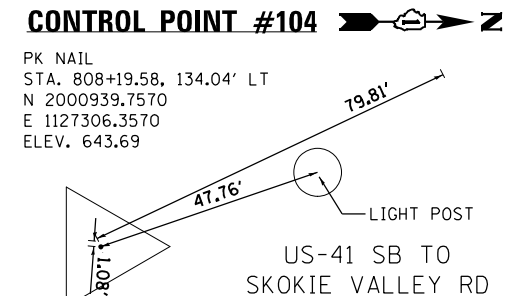
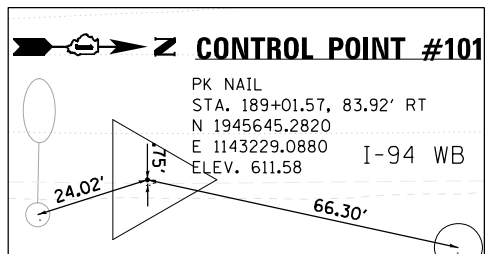
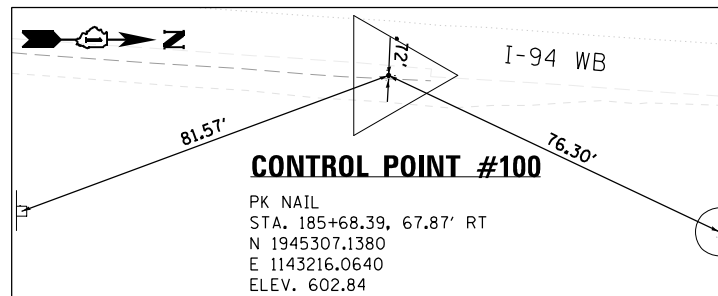
CONTROL POINTS

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	31
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CTP-02

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Jacobs

USER NAME = zvolanjj	DESIGNED - GL	REVISED -
PLOT SCALE =	DRAWN - GL	REVISED -
PLOT DATE = 2/27/2020	CHECKED - MMK	REVISED -
	DATE - 02/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

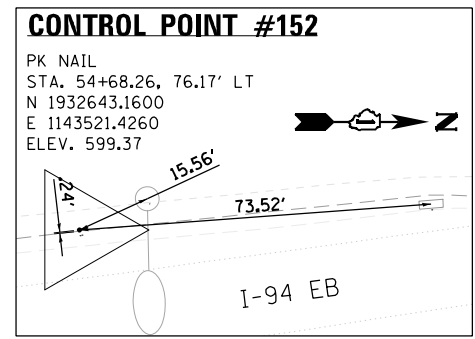
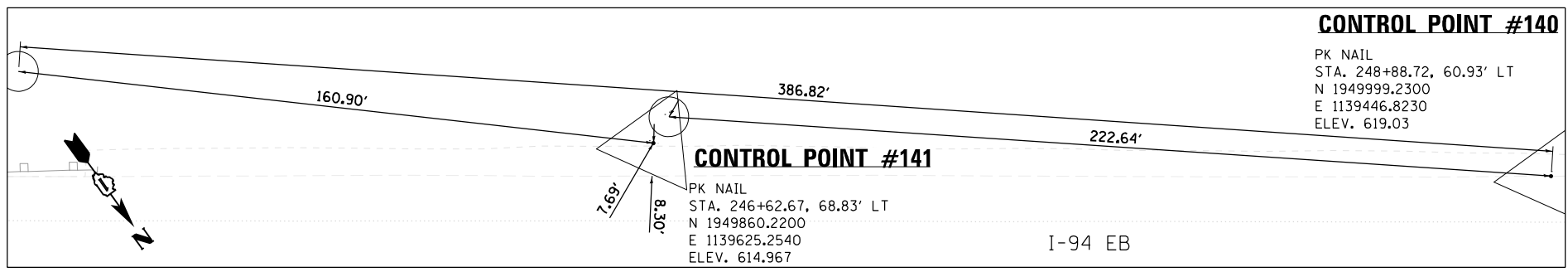
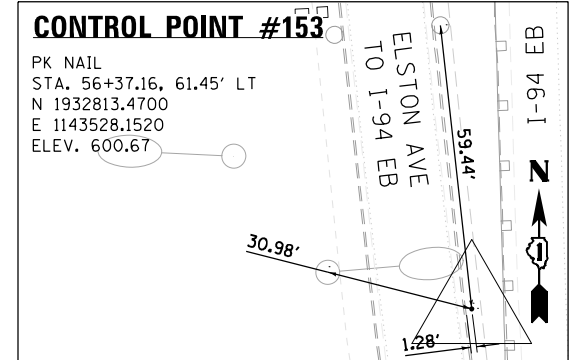
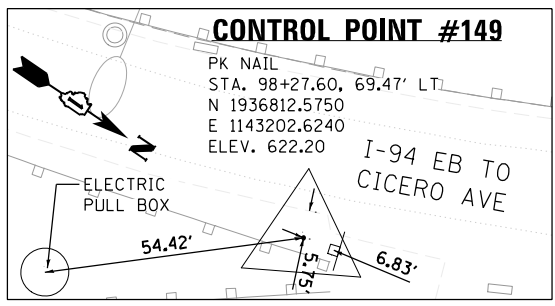
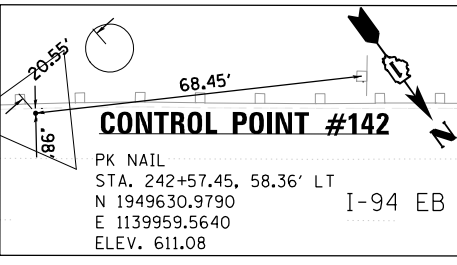
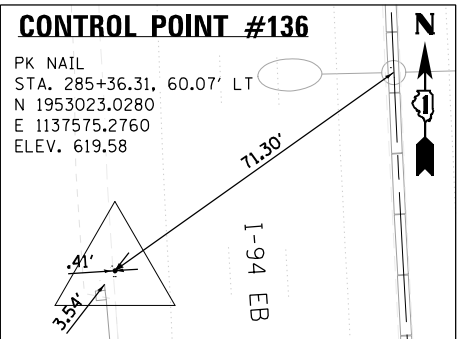
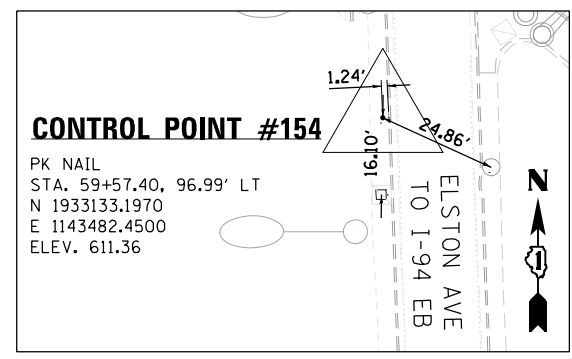
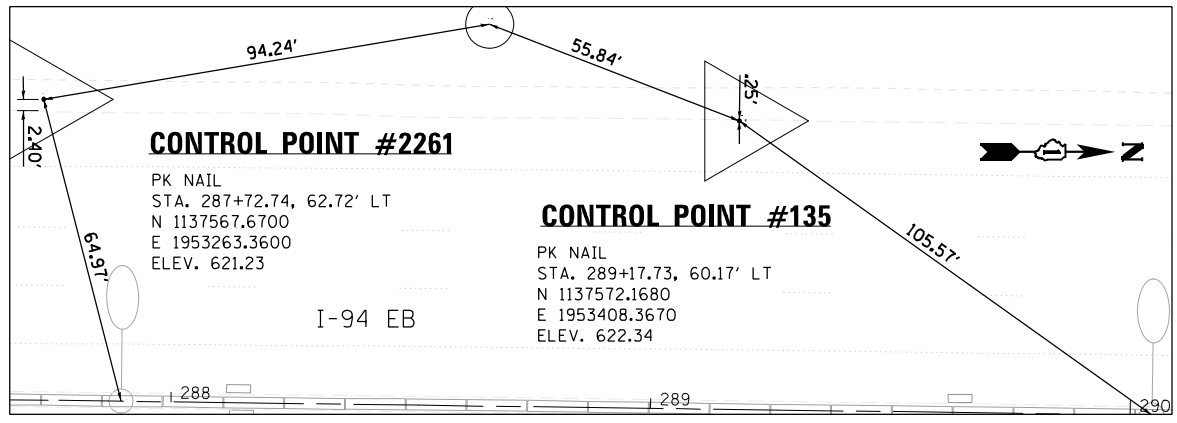
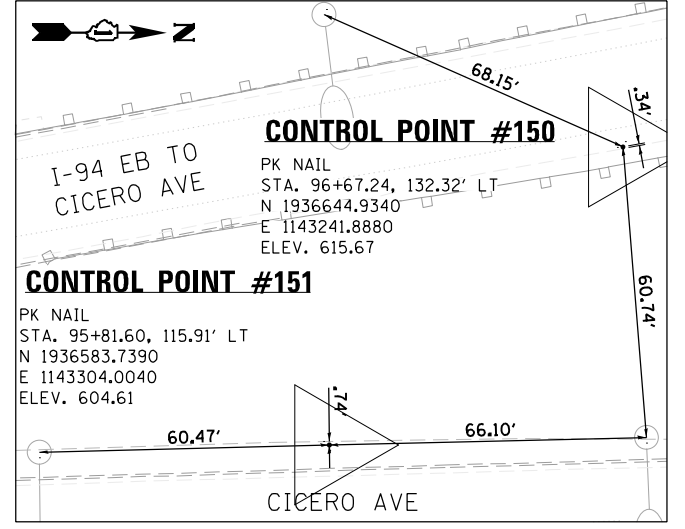
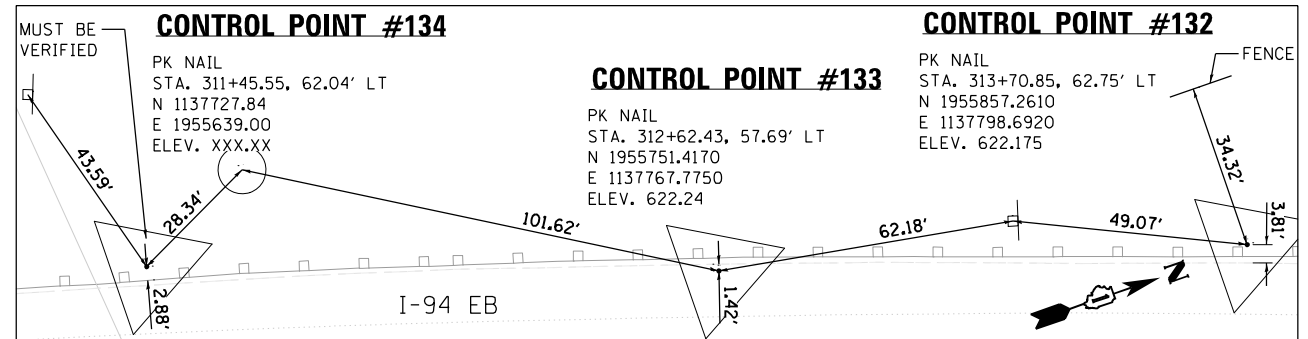
CONTROL POINTS

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	33
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CTP-04

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CTP-05

	USER NAME = zvolanjj	DESIGNED - GL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROL POINTS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MMK	REVISED -					94	2016-068I	COOK/LAKE	388	34
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -					SCALE: 1"=20'		SHEET 5 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 62079

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CONTROL POINT	NORTHING	EASTING	ELEVATION	MARKER	STATION	OFFSET
2234	2016799.57	1119377.09	649.23	CPS	986+55.25	45.92 LT
2235	2016121.84	1119717.17	646.79	CPS	978+97.01	39.43 LT
2236	2012212.76	1121609.21	639.24	TPR	935+54.19	64.35 LT
2237	2011240.37	1122116.27	640.12	CPS	924+61.02	50.11 LT
2238	2007216.77	1124306.53	639.45	TPR	878+12.46	66.99 LT
2239	2006516.45	1124502.23	639.50	TPR	870+85.46	52.13 LT
2240	2001496.05	1127011.99	629.79	TPR	814+37.40	42.89 LT
2241	2000860.66	1127487.84	637.97	TPR	806.46+70	43.51 LT
2242	1996636.70	1130124.04	636.94	CPS	756+21.15	55.73 LT
2243	1995940.21	1130466.59	635.40	CPS	748+45.50	54.67 LT
2244	1992484.28	1132470.27	629.99	TPR	708+43.88	62.92 LT
2245	1991972.80	1132661.24	629.18	CPS	702+90.83	55.73 LT
2246	1987493.67	1133990.19	628.16	TPR	655+75.00	59.14 LT
2247	1987003.20	1134221.53	629.36	TPR	650+32.71	58.93 LT
2248	1982935.05	1136143.47	627.48	TPR	605+35.46	59.14 LT
2249	1982362.29	1136471.94	629.36	TPR	598+80.16	58.59 LT
2250	1976502.29	1139437.70	624.59	TPR	533+02.64	58.46 LT
2251	1975839.19	1139764.94	629.05	CPS	525+63.19	56.19 LT
2252	1970289.77	1140202.08	626.04	CPS	469+09.73	56.78 LT
2253	1969656.47	1140242.69	624.96	CPS	462+83.20	56.66 LT
2254	1966888.31	1141245.34	620.31	TPR	433+23.88	65.61 LT
2255	1966215.16	1141284.08	617.27	CPS	426+34.44	60.33 LT
2256	1960122.72	1139350.51	623.84	CPS	360.56.33	59.53 LT
2257	1959526.17	1139342.71	626.09	CPS	354+59.73	59.67 LT
2258	1957666.20	1138919.42	623.90	TPR	335+00.23	64.85 LT
2259	1957214.95	1138626.23	627.00	CPS	329+51.29	69.72 LT
2260	1954084.69	1137579.17	626.40	TPR	295+94.08	62.29 LT
2261	1953263.36	1137567.67	621.31	TPR	287+72.74	62.72 LT
2262	1949409.50	1140259.24	611.53	TPR	238+84.83	61.92 LT
2263	1949053.03	1140750.56	614.13	TPR	232+77.81	62.38 LT
2264	1945880.37	1143062.10	611.04	TPR	191+48.88	63.40 LT
2265	1945366.79	1143087.10	603.36	TPR	186+26.28	61.89 LT
2266	1940454.18	1142494.35	608.76	TPR	136+46.99	56.99 LT
2267	1939937.03	1142437.12	607.10	TPR	131+27.32	82.77 LT
2268	1934607.15	1143507.34	597.91	TPR	74+22.18	55.91 LT
2269	1933820.21	1143504.13	592.29	TPR	66+43.49	55.28 LT
2270	1930818.52	1143623.24	589.46	CPS	36+41.37	65.71 LT
2271	1929696.66	1143786.40	604.45	TPX	25+57.38	167.71 LT
2272	1929313.95	1144018.97	604.13	TPK	21+51.76	200.04 LT
2220	2060383.86	1106497.80	697.20	TPR	1455+83.46	41.55 LT
2224	2050698.52	1107987.46	681.24	TPR	1357+16.39	51.03 LT
200	2060400.03	1106492.35	697.01	TPR	1456+00.46	50.15 LT
201	2060279.52	1106504.82	695.41	TPR	1454+80.29	65.57 LT
203	2050530.89	1108096.65	680.83	TPK	1355+50.10	59.09 RT
204	2050734.88	1108093.74	681.05	TPR	1357+53.31	55.06 RT
526	2050792.55	1108080.48	681.79	TPK	1358+13.86	40.71 RT

MARKER LEGEND:

- TPR- SET IRON ROD WITH CAP
- CPS- COTTON PICKER SPINDLE
- IRC- FOUND IRON ROD WITH CAP
- TPK- TRAVERSE POINT PK NAIL
- TPX- CUT CROSS

CTP-06

	USER NAME = zvolanjj	DESIGNED - GL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROL POINTS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - MMK	REVISED -					94	2016-068I	COOK/LAKE	388	35
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -		SCALE: NTS	SHEET 6	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

GUARDRAIL SCHEDULE OF QUANTITIES

		63000001	63100045	63100167	63301210	63301995	72501000	78200005	Z0005216
		STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1A	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A,	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL
		FOOT	EACH	EACH	FOOT	EACH	EACH	EACH	SO YD
I-94	CIV-01	275	1	1			1	3	120
	CIV-02	37.5			200	1			103
	CIV-03				200				67
	CIV-04	250	1	1			1	3	104
	CIV-05				200				67
	CIV-06	112.5	1	1			1	1	66
SUBTOTALS		675	3	3	600	1	3	7	535
US-41	CIV-09	312.5	1	1			1	3	133
	CIV-10	325	1	1			1	4	137
	SUBTOTALS		637.5	2	2	0	0	2	7
TOTALS		1312.5	5	5	600	1	5	14	805

ROADWAY SCHEDULE OF QUANTITIES

		28000510	31102000	44201329	44201796	64200116	78200011	X6370700
		INLET FILTERS	SUBBASE GRANULAR MATERIAL, TYPE C	CLASS C PATCHES, TYPE II, 8 INCH	CLASS D PATCHES, TYPE IV, 12 INCH	SHOULDER RUMBLE STRIPS, 16 INCH	BARRIER WALL REFLECTORS, TYPE C	CONCRETE BARRIER TRANSITION (SPECIAL)
		EACH	CU YD	SO YD	SO YD	FOOT	EACH	FOOT
I-94	CIV-01							
	CIV-02	4	1.3		36	2653	2	25
	CIV-03	4	1.4		38	3469	2	27
	CIV-04	4	1.5		40	2702	2	31
	CIV-05	4	1.5		41	3646	2	28
	CIV-06							
SUBTOTALS		16	5.7	0	155	12470	8	111
US-41	CIV-07		1.2	32				
	CIV-08		0.3	9				
	CIV-09							
SUBTOTALS		0	1.5	41	0	0	0	0
TOTALS		16	7.2	41	155	12470	8	111

REMOVAL SCHEDULE OF QUANTITIES

		44001980	44004250	X0325201
		CONCRETE BARRIER REMOVAL	PAVED SHOULDER REMOVAL	SHOULDER RUMBLE STRIP REMOVAL
		FOOT	SO YD	SO YD
I-94	CIV-02	37	36	394
	CIV-03	39	38	515
	CIV-04	42	40	401
	CIV-05	39	41	542
	SUBTOTALS		157	155
US-41	CIV-07		32	
	CIV-08		9	
SUBTOTALS		0	41	0
TOTALS		157	196	1852

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CIV-00



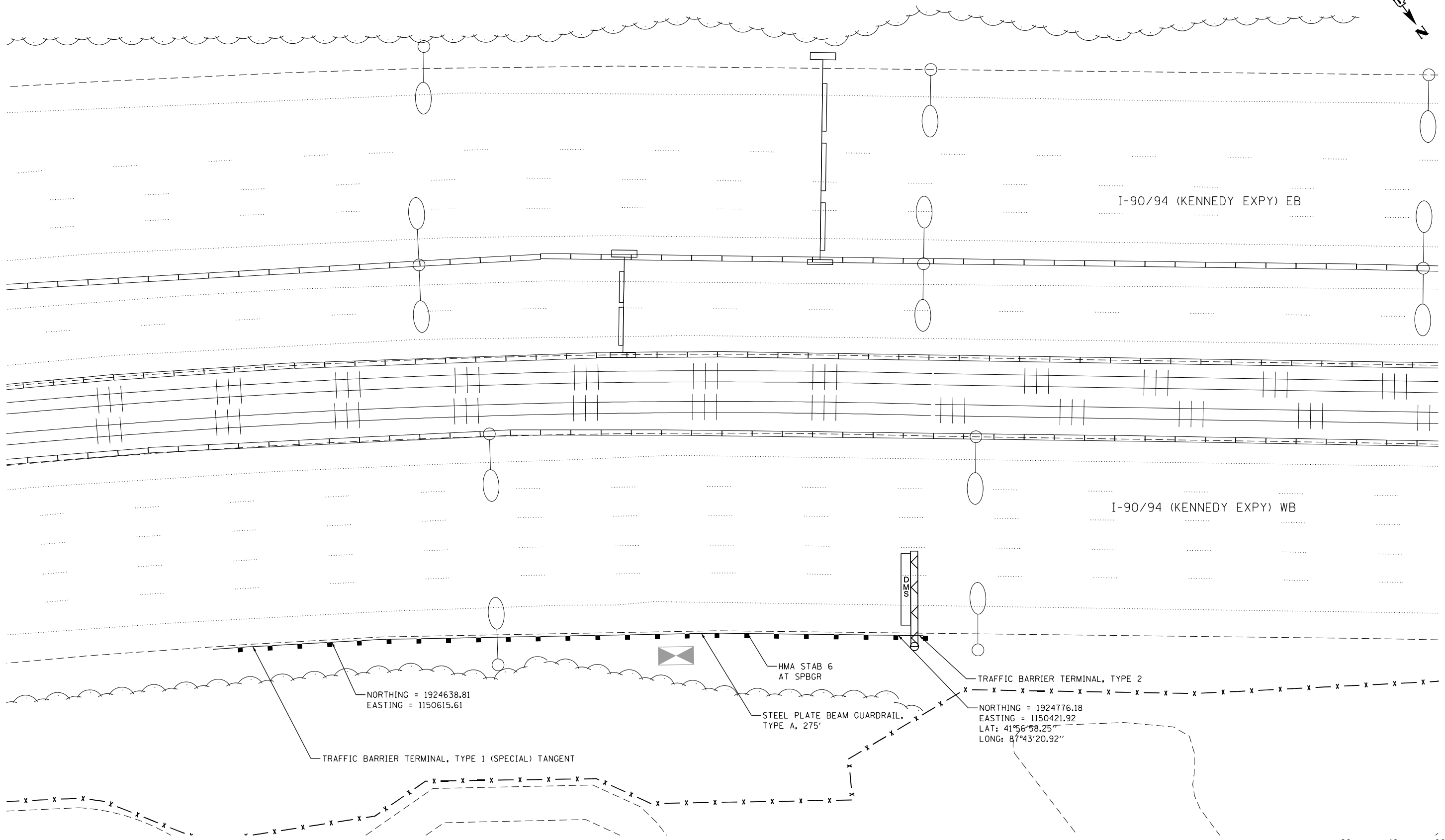
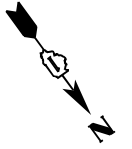
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	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 3/2/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CIVIL SITE PLAN
SCHEDULE OF QUANTITIES**

SCALE: NTS SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	36
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	



I-90/94 (KENNEDY EXPY) EB

I-90/94 (KENNEDY EXPY) WB

NORTHING = 1924638.81
EASTING = 1150615.61

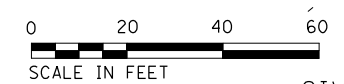
HMA STAB 6
AT SPBGR

STEEL PLATE BEAM GUARDRAIL,
TYPE A, 275'

TRAFFIC BARRIER TERMINAL, TYPE 2

NORTHING = 1924776.18
EASTING = 1150421.92
LAT: 41°56'58.25"
LONG: 87°43'20.92"

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



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Jacobs

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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

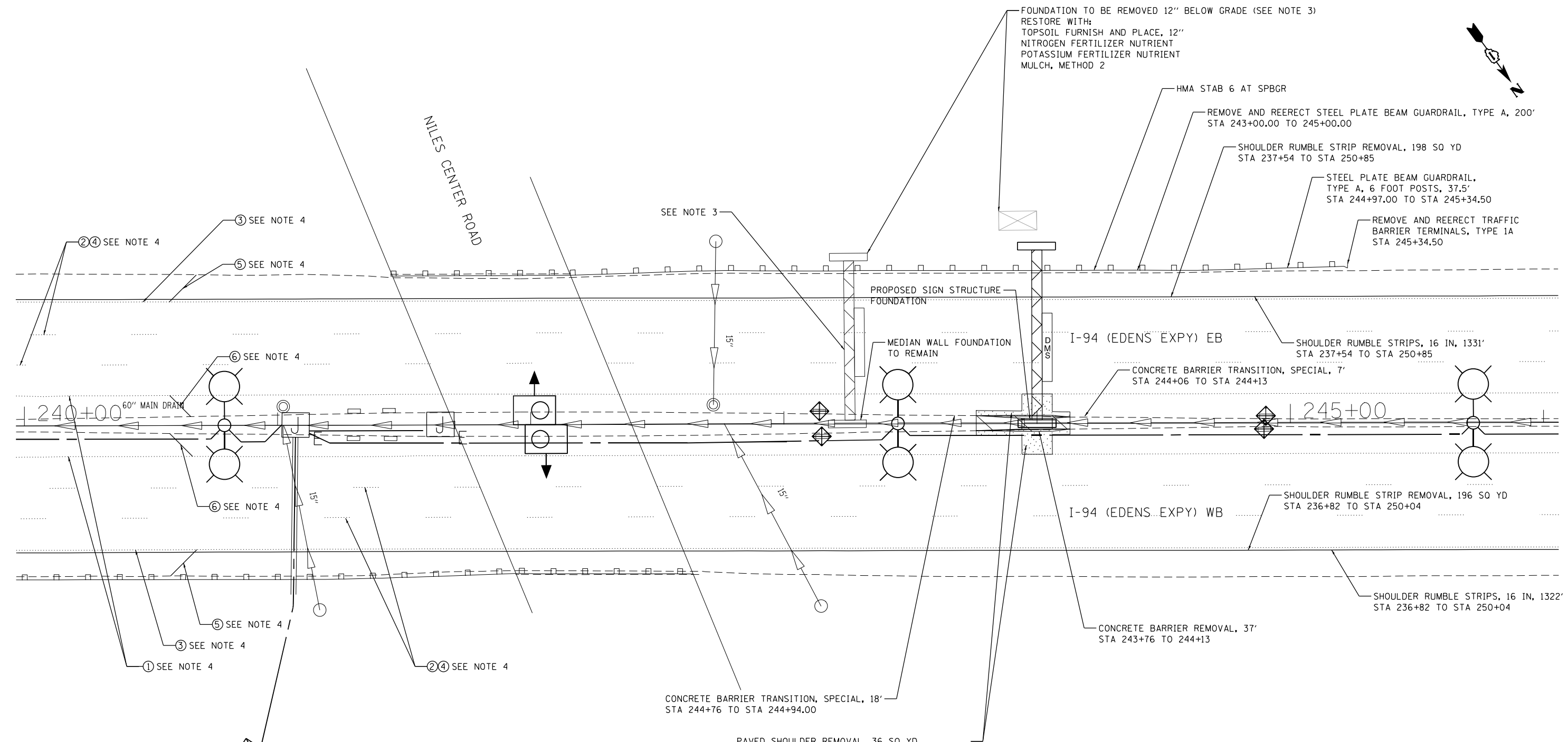
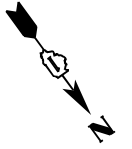
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CIVIL SITE PLAN AT DMS-ED-IPRD

SCALE: 1" = 20' SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	37
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CIV-01



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- NOTES:**
- FOR CONCRETE BARRIER TRANSITION DETAILS, SEE SHEET CIV-11
 - FOR SHOULDER PAVEMENT SECTION, SEE SHEET CIV-11
 - SEE ITS-06 FOR EXISTING DMS SIGN AND STRUCTURE REMOVAL
 - SEE ITS-78 AND STR 12-25 FOR PROPOSED DMS SIGN DESIGN AND STRUCTURAL DETAILS
 - PAVEMENT MARKINGS TO BE RESTORED TO ORIGINAL CONDITION

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ② PREFORMED PLASTIC, TYPE D GROOVE IN PAVEMENT MARKING - LINE 5" WHITE 10' DASH, 30' SKIP
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ④ RAISED REFLECTIVE PAVEMENT MARKER
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE @45 DEGREE @500' C-C
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW @45 DEGREE @500' C-C



USER NAME = kosirm	DESIGNED - GL	REVISED -
	DRAWN - GL	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

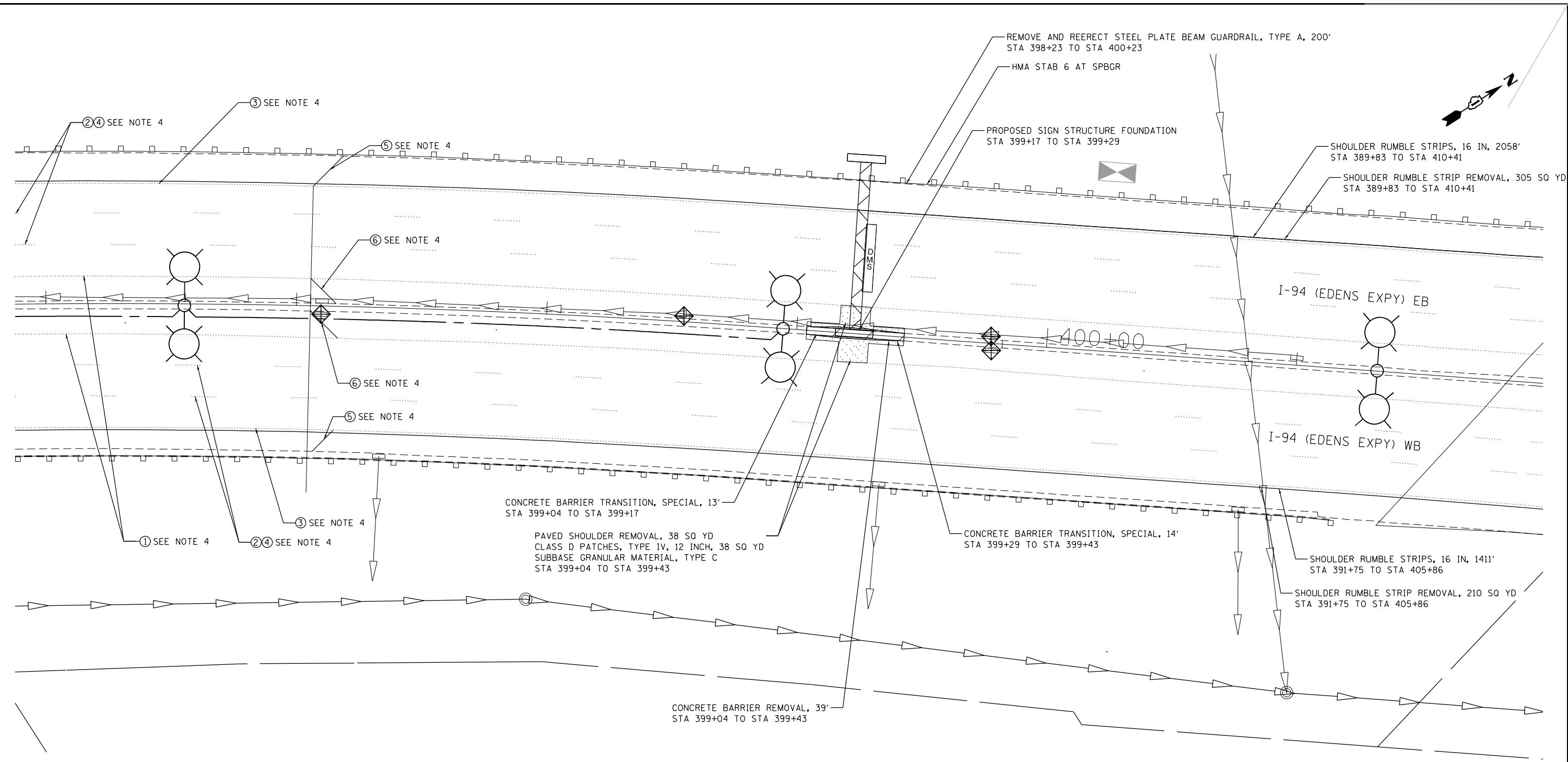
CIVIL SITE PLAN AT DMS-ED-004

SCALE: 1" = 20' SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	38
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CIV-02

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PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ② PREFORMED PLASTIC, TYPE D GROOVE IN PAVEMENT MARKING - LINE 5" WHITE 10' DASH, 30' SKIP
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ④ RAISED REFLECTIVE PAVEMENT MARKER
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE @45 DEGREE @500' C-C
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW @45 DEGREE @500' C-C

NOTES:
 1. FOR CONCRETE BARRIER TRANSITION DETAILS, SEE SHEET CIV-11
 2. FOR SHOULDER PAVEMENT SECTION, SEE SHEET CIV-11
 3. SEE ITS-07 FOR EXISTING DMS SIGN AND STRUCTURE REMOVAL
 4. SEE ITS-79 AND STR 12-25 FOR PROPOSED DMS SIGN DESIGN AND STRUCTURAL DETAILS
 5. PAVEMENT MARKINGS TO BE RESTORED TO ORIGINAL CONDITION



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PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

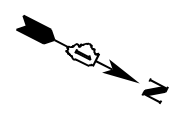
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CIVIL SITE PLAN AT DMS-ED-007

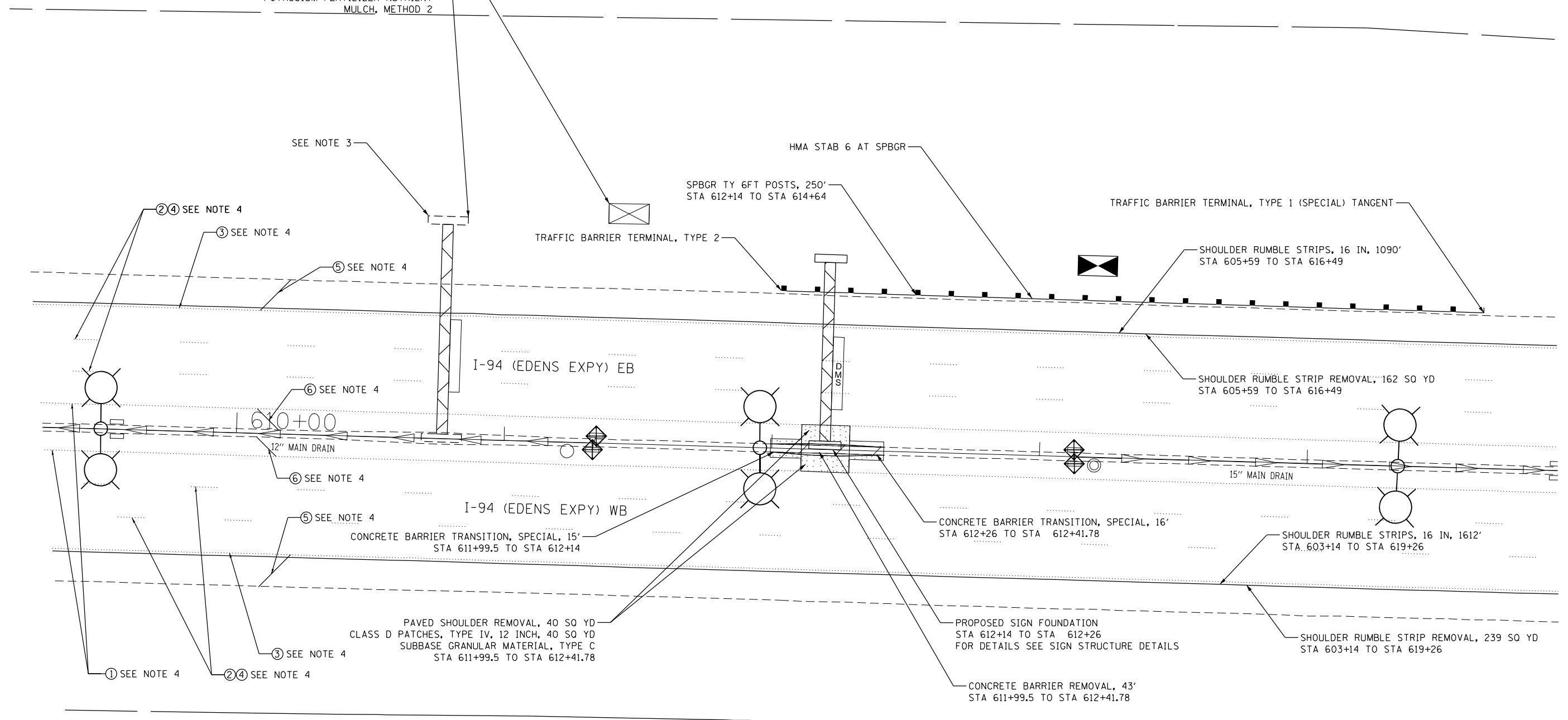
SCALE: 1" = 20' SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	39
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

CIV-03



FOUNDATION TO BE REMOVED
12" BELOW GRADE (SEE NOTE 3)
RESTORE WITH:
TOPSOIL FURNISH AND PLACE, 12"
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
MULCH, METHOD 2



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ② PREFORMED PLASTIC, TYPE D GROOVE IN PAVEMENT MARKING - LINE 5" WHITE 10' DASH, 30' SKIP
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ④ RAISED REFLECTIVE PAVEMENT MARKER
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE @45 DEGREE @500' C-C
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW @45 DEGREE @500' C-C

- NOTES:**
1. FOR CONCRETE BARRIER TRANSITION DETAILS, SEE SHEET CIV-11
 2. FOR SHOULDER PAVEMENT SECTION, SEE SHEET CIV-11
 3. SEE ITS-05 FOR EXISTING DMS SIGN AND STRUCTURE REMOVAL
 4. SEE ITS-80 AND STR 12-25 FOR PROPOSED DMS SIGN DESIGN AND STRUCTURAL DETAILS
 5. PAVEMENT MARKINGS TO BE RESTORED TO ORIGINAL CONDITION



CIV-04

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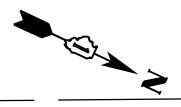
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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CIVIL SITE PLAN AT DMS-ED-011

SCALE: 1" = 20' SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	40
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				



FRONTAGE RD

SHOULDER RUMBLE STRIP REMOVAL, 274 SQ YD
STA 655+28 TO STA 673+71

SHOULDER RUMBLE STRIPS, 16 IN, 1843'
STA 655+28 TO STA 673+71

②④ SEE NOTE 4
③ SEE NOTE 4

CONCRETE BARRIER TRANSITION, 14'
STA 664+30 TO STA 664+44

⑤ SEE NOTE 4

STA 664+44 TO STA 664+68.0
PROPOSED SIGN STRUCTURE FOUNDATION,
FOR DETAILS SEE SIGN STRUCTURE DETAILS

I-94 (EDENS EXPY) EB

665+00

12" MAIN DRAIN

15" MAIN DRAIN

I-94 (EDENS EXPY) WB

②④ SEE NOTE 4

⑥ SEE NOTE 4

③ SEE NOTE 4

⑤ SEE NOTE 4

① SEE NOTE 4

SHOULDER RUMBLE STRIP REMOVAL, 268 SQ YD
STA 656+63 TO STA 674+66

SHOULDER RUMBLE STRIPS, 16 IN, 1803'
STA 656+63 TO STA 674+66

PAVED SHOULDER REMOVAL, 41 SQ YD
CLASS D PATCHES, TYPE IV, 12 INCH, 41 SQ YD
SUBBASE GRANULAR MATERIAL, TYPE C
STA 664+30.77 TO STA 664+70

CONCRETE BARRIER TRANSITION, 14'
STA 664+56 TO STA 664+70

FOUNDATION TO BE REMOVED
12" BELOW GRADE (SEE NOTE 3)
RESTORE WITH:
TOPSOIL FURNISH AND PLACE, 12"
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
MULCH, METHOD 2

REMOVE AND REERECT STEEL PLATE
BEAM GUARDRAIL, TYPE A, 200'
STA 663+00 TO STA 665+00
HMA STAB 6 AT SPBGR

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- ② PREFORMED PLASTIC, TYPE D GROOVE IN PAVEMENT MARKING - LINE 5" WHITE 10' DASH, 30' SKIP
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- ④ RAISED REFLECTIVE PAVEMENT MARKER
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE @45 DEGREE @500' C-C
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW @45 DEGREE @500' C-C

NOTES:

1. FOR CONCRETE BARRIER TRANSITION DETAILS, SEE SHEET CIV-11
2. FOR SHOULDER PAVEMENT SECTION, SEE SHEET CIV-11
3. SEE ITS-06 FOR EXISTING DMS SIGN AND STRUCTURE REMOVAL
4. SEE ITS-81 AND STR 12-25 FOR PROPOSED DMS SIGN DESIGN AND STRUCTURAL DETAILS
5. PAVEMENT MARKINGS TO BE RESTORED TO ORIGINAL CONDITION



CIV-05

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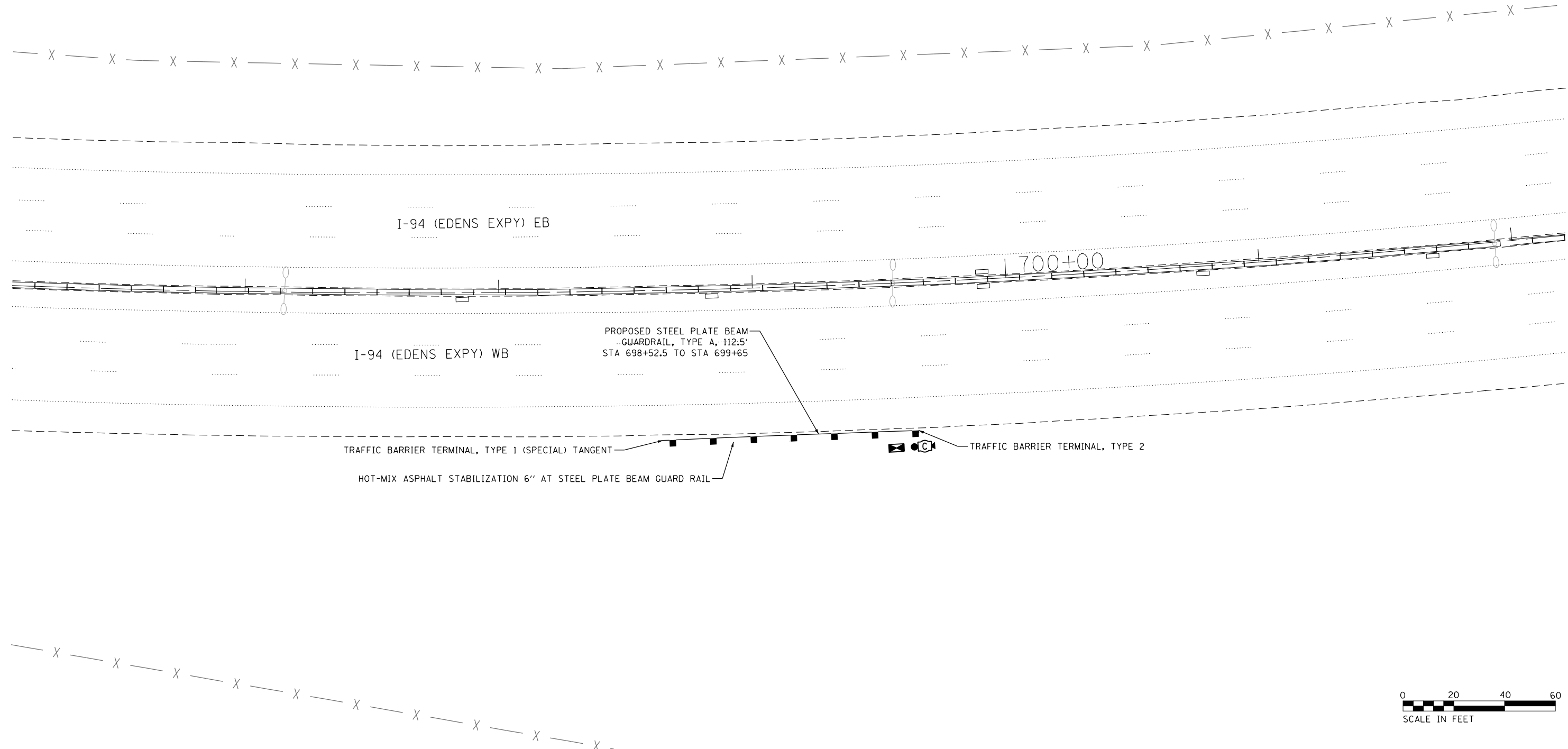
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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CIVIL SITE PLAN AT DMS-ED-012

SCALE: 1" = 20' SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	41
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				



I-94 (EDENS EXPY) EB

I-94 (EDENS EXPY) WB

PROPOSED STEEL PLATE BEAM
GUARDRAIL, TYPE A, 112.5'
STA 698+52.5 TO STA 699+65

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

TRAFFIC BARRIER TERMINAL, TYPE 2

HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL

700+00



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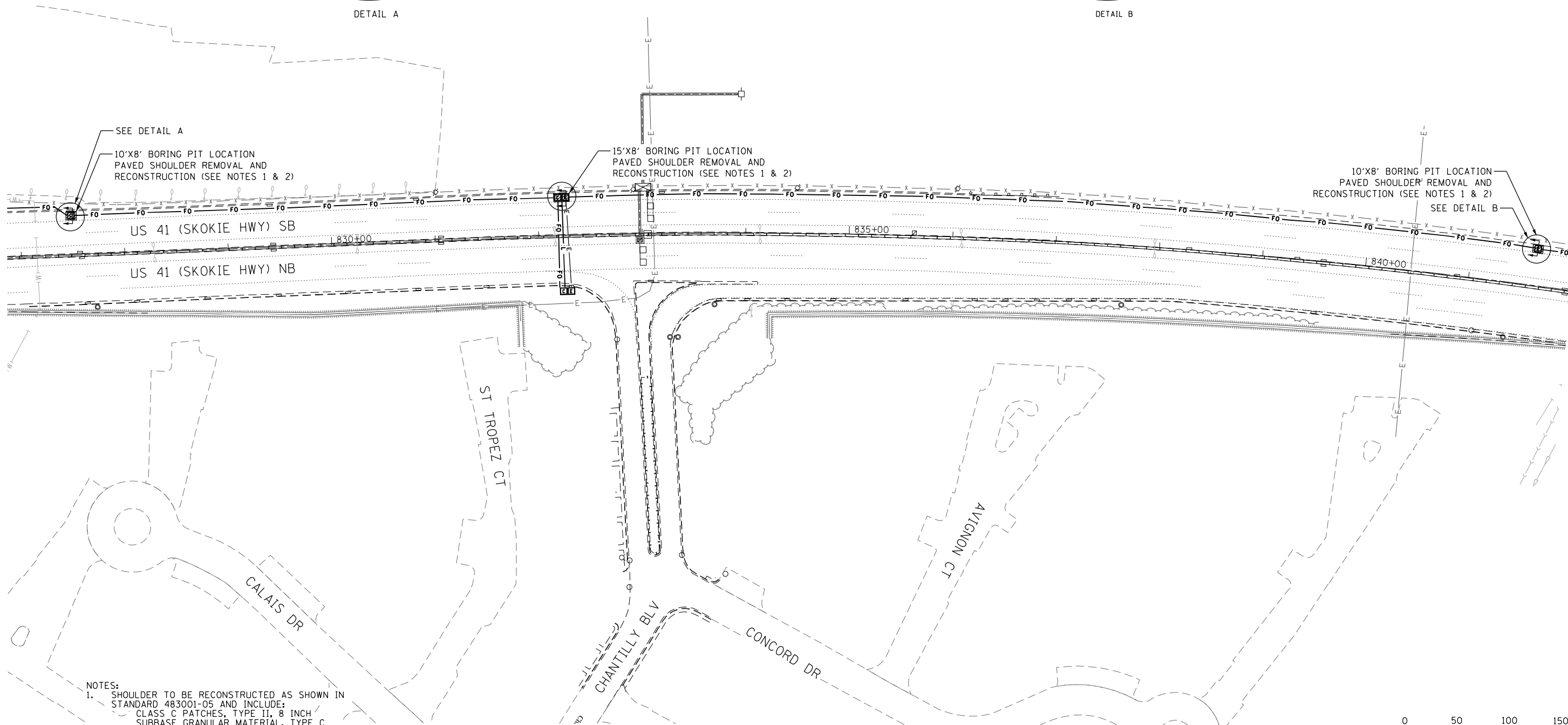
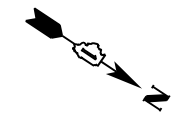
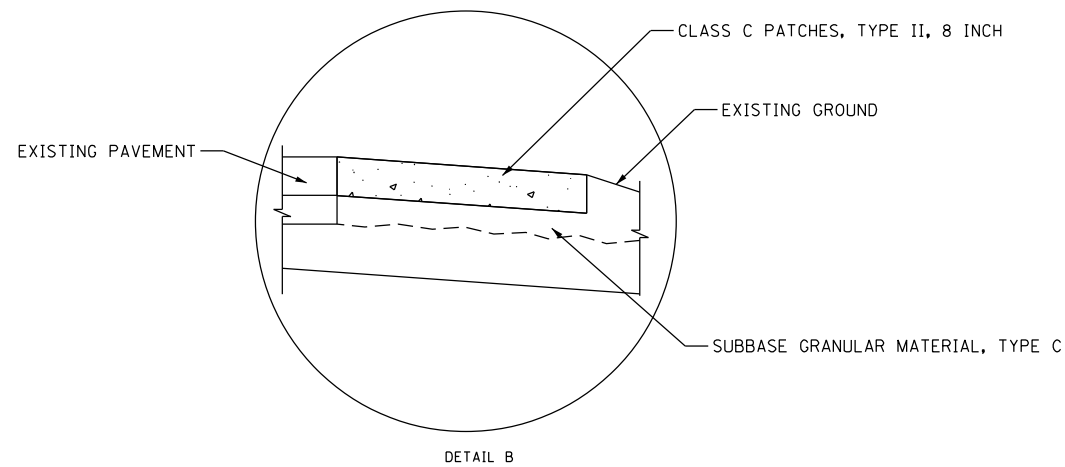
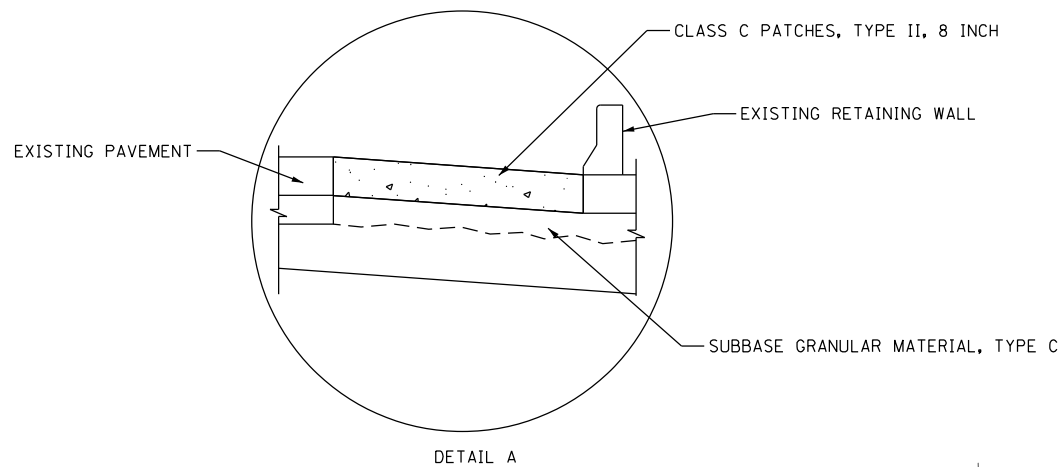
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CIVIL SITE PLAN AT CCTV-ED-012A

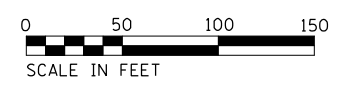
SCALE: 1" = 20' SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	42
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CIV-06



- NOTES:
- SHOULDER TO BE RECONSTRUCTED AS SHOWN IN STANDARD 483001-05 AND INCLUDE:
CLASS C PATCHES, TYPE II, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE C
 - IF SHOULDER RUMBLE STRIPS AND PAVEMENT MARKINGS ARE REMOVED, THEY SHALL BE REPLACED AT A COST INCIDENTAL TO THE CONTRACT.



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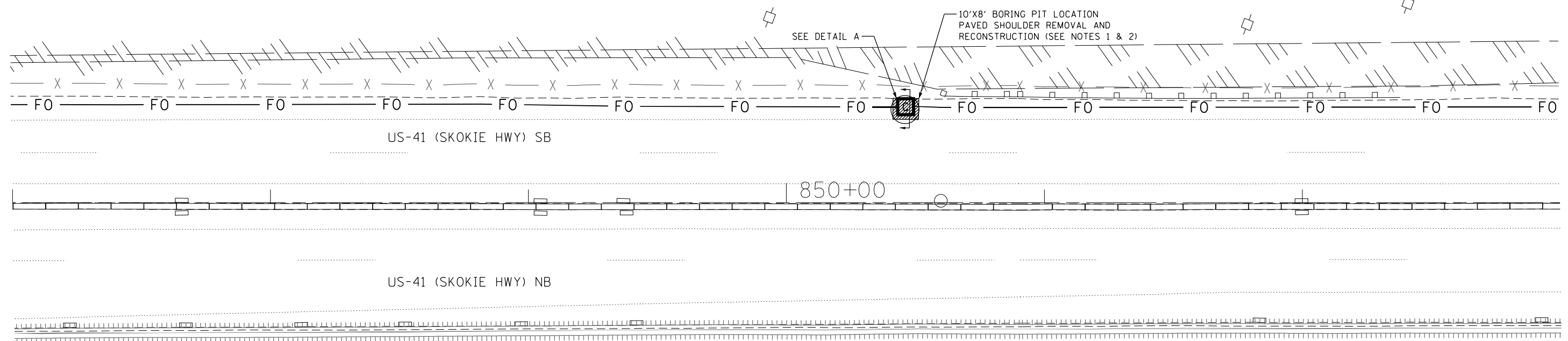
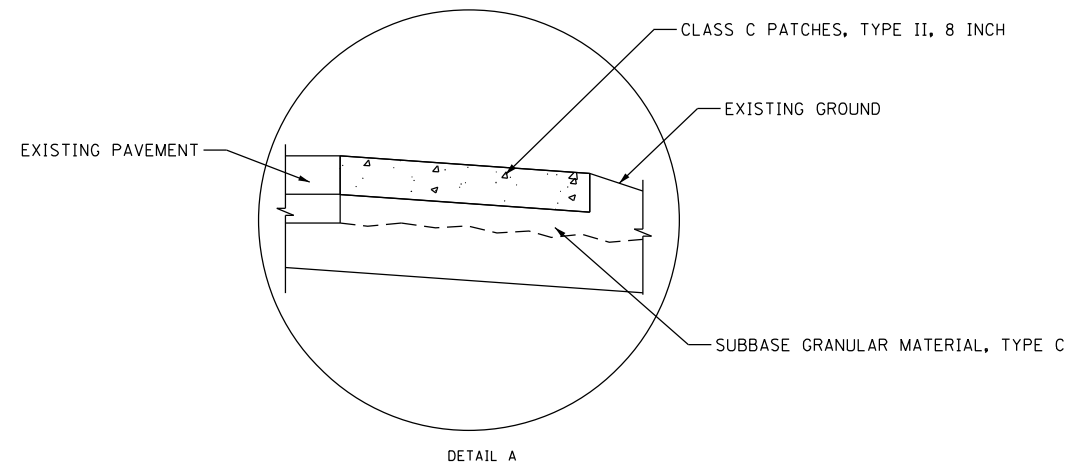
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CIVIL SITE PLAN ON US 41 SB SHOULDER
STA. 827+00 TO STA. 842+00**

SCALE: 1" = 50' SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	43
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CIV-07



- NOTES:**
- SHOULDER TO BE RECONSTRUCTED AS SHOWN IN STANDARD 483001-05 AND INCLUDES:
CLASS C PATCHES, TYPE II, 8 INCH
SUBBASE GRANULAR MATERIAL, TYPE C
 - IF SHOULDER RUMBLE STRIPS AND PAVEMENT MARKINGS ARE REMOVED, THEY SHALL BE REPLACED AT A COST INCIDENTAL TO THE CONTRACT.



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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-94 /US 41 SMART HIGHWAY
CIVIL SITE SHOULDER PLAN**

SCALE: 1" = 50' SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	391	44
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

CIV-08



US-41 (SKOKIE HWY) SB

1355+00

US-41 (SKOKIE HWY) NB

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

HMA STAB 6
AT SPBGR

STEEL PLATE BEAM GUARDRAIL, TYPE A, 312.5'
STA 1357+87.5 TO STA 1361+00

TRAFFIC BARRIER TERMINAL, TYPE 2



SCALE IN FEET

CIV-09

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Jacobs

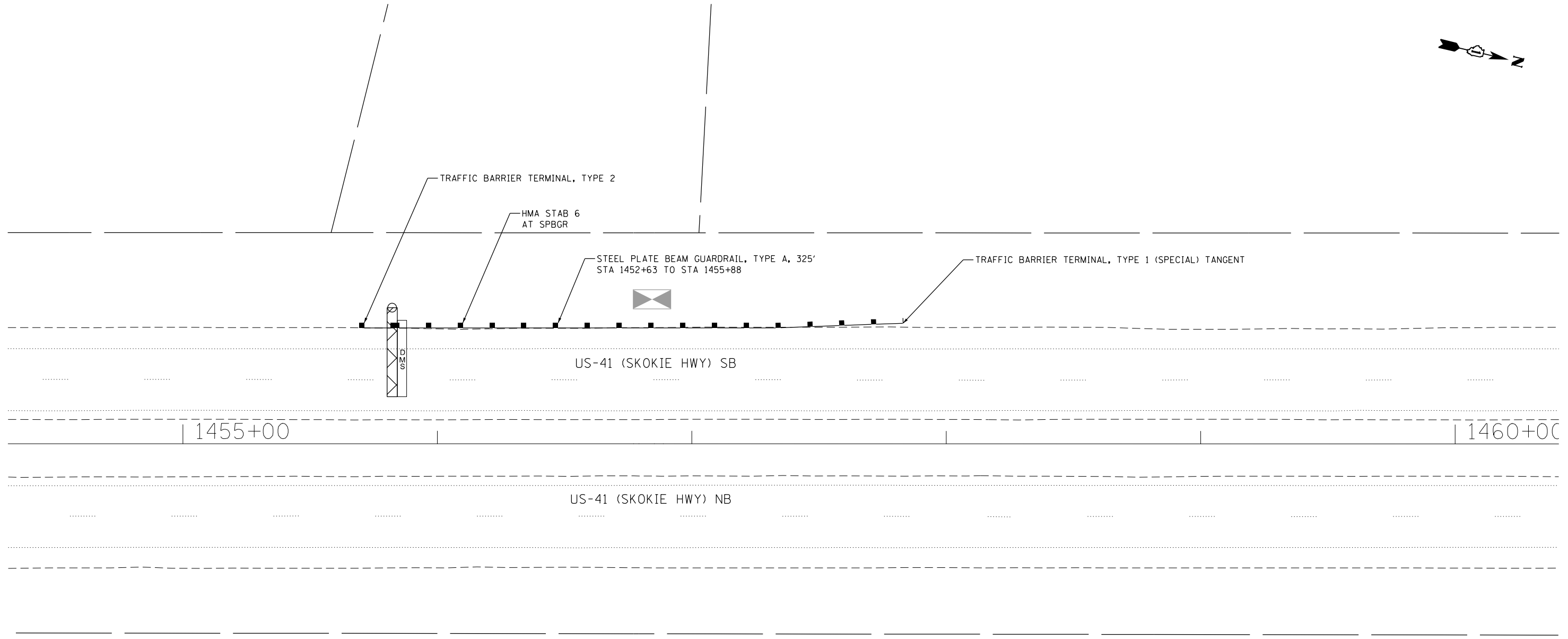
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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CIVIL SITE PLAN AT DMS-ED-020

SCALE: 1" = 20' SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	45
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	



1455+00

1460+00

US-41 (SKOKIE HWY) SB

US-41 (SKOKIE HWY) NB



CIV-10

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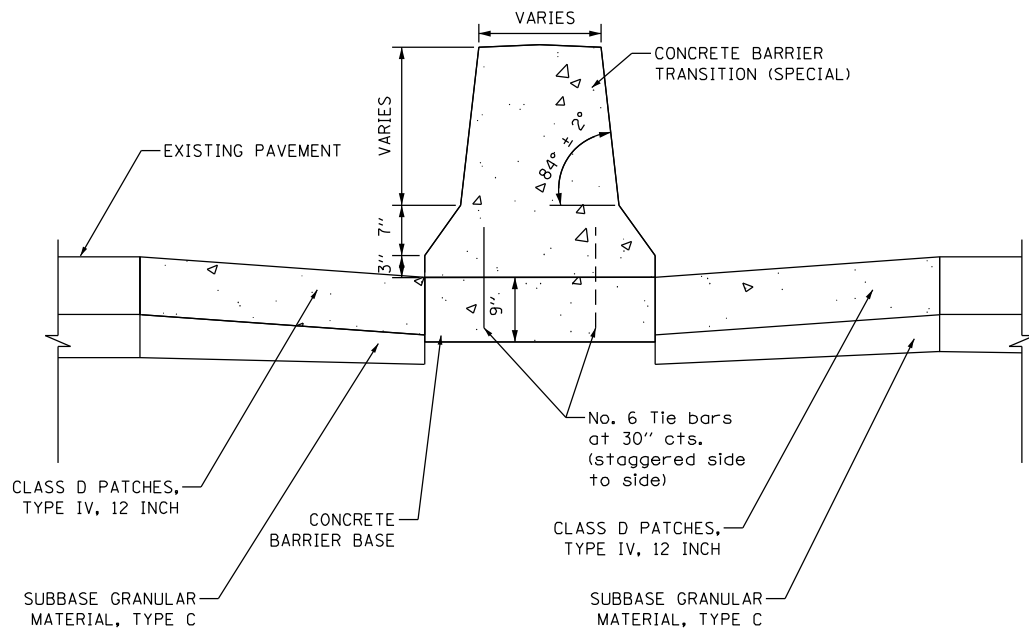
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

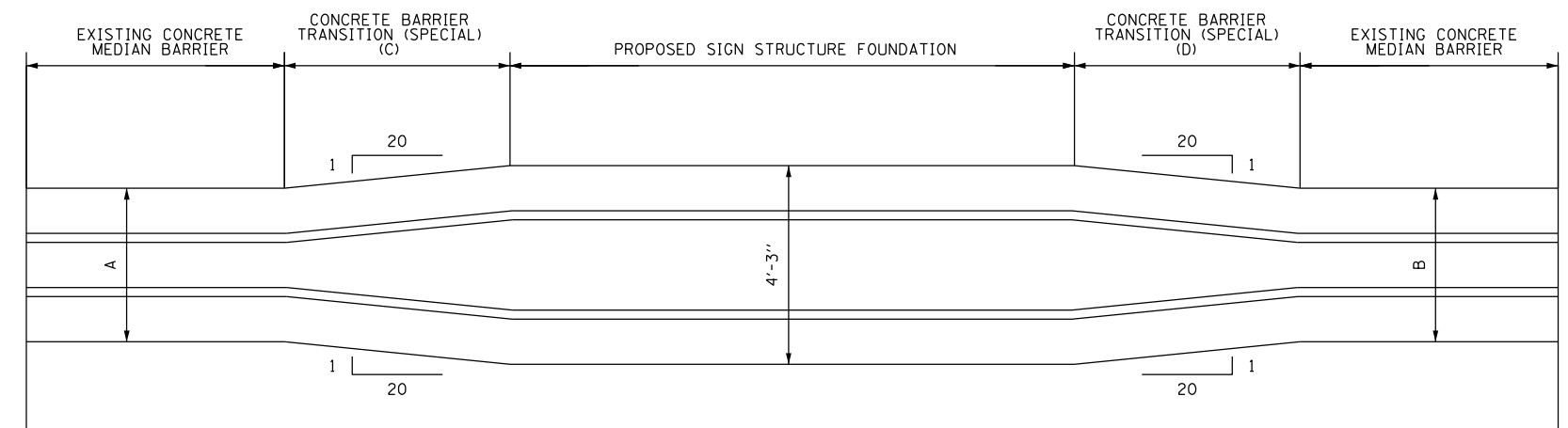
**I-94 /US 41 SMART HIGHWAY
CIVIL SITE PLAN AT DMS-ED-21**

SCALE: 1" = 20' SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	391	46
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	



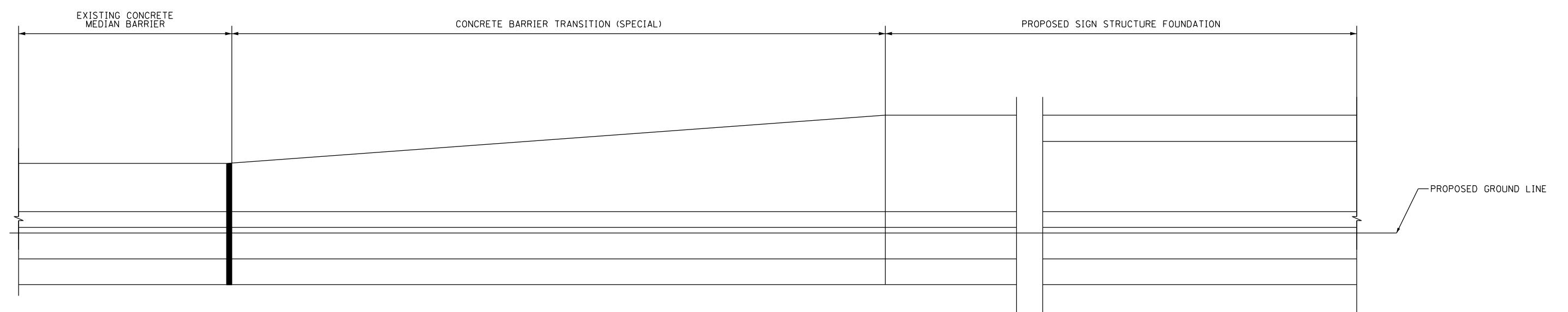
SECTION THROUGH CONCRETE BARRIER TRANSITION (SPECIAL)
NOT TO SCALE



DMS #	A	B	C	D
2	6.0'	4.8'	18.3'	7.0'
3	3.1'	3.0'	12.9'	14.2'
4	3.0'	3.0'	14.3'	16.0'
5	3.0'	3.0'	13.2'	14.0'

CONCRETE MEDIAN BARRIER TRANSITION (PLAN)
NOT TO SCALE

- NOTES:
- SEE OVERHEAD SIGN DETAILS FOR SECTION THROUGH PROPOSED SIGN STRUCTURE FOUNDATION
 - COST OF CONCRETE BARRIER BASE IS INCLUDED IN THE COST FOR CONCRETE BARRIER TRANSITION (SPECIAL)



CONCRETE BARRIER TRANSITION (SPECIAL) (ELEVATION)
NOT TO SCALE

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PLOT DATE = 3/1/2020	DATE - 05/03/2019	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-94 / US 41 SMART HIGHWAY
DETAILS**

SCALE: NTS SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	391	47
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

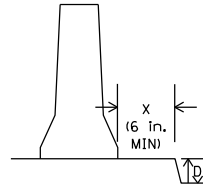
MAINTENANCE OF TRAFFIC GENERAL NOTES

- THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC, AND THEY SHALL ENTER OR LEAVE WORK AREAS IN A MANNER WHICH IS NOT HAZARDOUS TO TRAFFIC AND WILL NOT INTERFERE WITH NORMAL TRAFFIC. THE CONTRACTOR'S VEHICLES SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES ARE NOT PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN AREAS DESIGNATED BY THE ENGINEER.
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE FIELD FIT TO CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL SIGNS THAT ARE TO BE IN PLACE MORE THAN 4 DAYS SHALL BE MOUNTED ON METAL POSTS WHEN POSSIBLE, 7 FEET FROM THE TOP OF PAVEMENT TO THE BOTTOM OF THE SIGN, AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A DIGGER LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
- THE CONTRACTOR SHALL CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF SAFETY PROGRAMS AND ENGINEERING AT (217) 782-3568 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- SIGN TEXT AND COLOR SHALL BE PER MUTCD UNLESS OTHERWISE SPECIFIED.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "WORK ZONE PAVEMENT MARKING REMOVAL" FOR TEMPORARY PAVEMENT MARKINGS AND "PAVEMENT MARKING REMOVAL" FOR PERMANENT PAVEMENT MARKINGS. IN ADDITION, THE CRYSTALS IN THE EXISTING RAISED REFLECTIVE MARKERS SHALL BE REMOVED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "RAISED REFLECTIVE PAVEMENT MARKER REMOVAL."
- ALL TEMPORARY LANES SHALL BE AT A MINIMUM OF 11' WIDE UNLESS OTHERWISE NOTED.
- ALONG RAMP GORES, WET REFLECTIVE PAVEMENT MARKING TAPE, TYPE III 8" MAY CONSIST OF TWO SEPARATE 3" STRIPS OF WET REFLECTIVE PAVEMENT MARKING TAPE, TYPE III 4".
- THE WORK REQUIRED TO COMPLY WITH THE MAINTENANCE OF TRAFFIC GENERAL NOTES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS), EXCEPT FOR PAY ITEMS WHICH HAVE BEEN ESTABLISHED IN THE CONTRACT AND ARE SHOWN ON THE PLANS.
- ALL TRAFFIC CONTROL SIGNS AND DEVICES, WORK ZONE PAVEMENT MARKING, TEMPORARY CONCRETE BARRIERS AND ATTENUATORS NECESSARY FOR THE MAINTENANCE OF TRAFFIC, AS SHOWN ON THE PLANS, SHALL BE IN PLACE BEFORE THE START OF ANY WORK.
- ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND. ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH A TYPE B MONO-DIRECTIONAL FLASHING LIGHT.
- THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC SUPERVISOR AT 847-705-4470 AND EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. PRIOR TO BEGINNING ANY CONSTRUCTION ON TOLLWAY JURISDICTION, THE CONTRACTOR SHALL BE REQUIRED TO ATTEND A MEETING, ARRANGED BY THE TOLLWAY'S CONSTRUCTION MANAGER (CM), WITH REPRESENTATIVES OF THE TOLLWAY INCLUDING THE TOLLWAY CONTRACTOR TO ASCERTAIN THE EXACT SCHEDULING OF THE TRAFFIC PHASES AND ANY IMMEDIATE CHANGES THAT ARE NECESSARY.
- BARRIER WALL MARKERS SHALL BE INSTALLED ON BOTH THE FACE OF THE TEMPORARY CONCRETE BARRIER WALL NEXT TO TRAFFIC, AND THE TOP OF SECTIONS OF THE TEMPORARY CONCRETE BARRIER WALL AS SHOWN IN STANDARD 704001. THE COLOR OF THESE REFLECTORS SHALL MATCH THE COLOR OF THE EDGELINES (YELLOW ON THE LEFT AND CRYSTAL OR WHITE ON THE RIGHT). IF THE BASE OF THE TEMPORARY CONCRETE BARRIER WALL IS 12 INCHES OR LESS FROM THE TRAVEL LANE, THEN THE LOWER SLOPE OF THE WALL SHALL ALSO HAVE A 6 INCH WIDE TEMPORARY PAVEMENT MARKING EDGELINE (YELLOW ON THE LEFT AND WHITE ON THE RIGHT). TEMPORARY PAVEMENT MARKING ON THE LOWER SLOPE OF THE TEMPORARY CONCRETE BARRIER WALL WILL BE MEASURED AND PAID FOR AS TEMPORARY PAVEMENT MARKING 6".
- TRAFFIC CONTROL AND PROTECTION SHALL BE SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARD OR DISTRICT DETAIL FOR THE PROPOSED WORK. WORKERS SIGN SHALL BE USED ONLY WHEN WORKERS ARE PRESENT. FLAGGER SIGN SHALL BE USED ONLY WHEN FLAGGERS ARE PRESENT
- LANES SHALL ONLY BE CLOSED DURING TIMES AS SPECIFIED IN THE KEEPING EXPRESSWAYS OPEN TO TRAFFIC SPECIAL PROVISION AND TOLLWAY MAINTENANCE OF TRAFFIC AND LANE CLOSURES SPECIAL PROVISION.

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONT'D)

- DMS INSTALLATIONS AND REMOVAL FOR ALL TRUSS MOUNTED DMS SIGNS AND TRUSSES, AND AERIAL CABLE SPANNING ACROSS THE EXPRESSWAY WILL REQUIRE FULL STOPS. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION. CONTRACTOR SHALL REVIEW THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISION FOR FULL STOPS AND STAGE CHANGES.
- CONTRACTOR SHALL BACKFILL TO GRADE ALL OPEN TRENCHES AT THE END OF EACH WORKING DAY OR DEPLOY DISTRICT 1 STANDARD TC-17 WHERE TRENCHES ARE TO REMAIN OPEN.
- RESIDENT ENGINEER SHALL COMPLETE FORM OPER 2410 PER FORM GUIDELINES.
- A MINIMUM OF 37 INCHES MUST BE MAINTAINED BEHIND ALL TEMPORARY CONCRETE BARRIER. IF 37 INCHES CAN NOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED IN ALL SIX HOLES.

"Illinois F-Shape" TCB (Highway standard 704001)



D (Drop-off)	X (Distance Behind TCB)				
	X<6 in.	6in.=X=12in.	12 in.=X=24 in.	24 in.=X<37 in.	37in.=X
> 2 in., except as below	Not Allowed	Pinned	Subject to Results of Risk Assessment	Not Pinned	Not Pinned
Edge of Bridge Deck Approach Slab or Similar	Not Pinned	Pinned	Pinned	Pinned	Not Pinned

STAGING SEQUENCE

DMS-KE-006 CANTILEVER SIGN LOCATED AT N 1924783, E 1150419.2:

STAGE 1:

- CLOSE OUTSIDE WB I-94 SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PERMANENT SHOULDER CLOSURE. MAINTAIN EXISTING LANES ON WB I-90/94 (KENNEDY EXPY).
- CONSTRUCT CANTILEVER SIGN FOUNDATION.
- INSTALL CANTILEVER SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS.

DMS-ED-004 OVERHEAD SIGN TRUSS LOCATED AT STATION 244+00:
DMS-ED-007 OVERHEAD SIGN TRUSS LOCATED AT STATION 399+23:
DMS-ED-011 OVERHEAD SIGN TRUSS LOCATED AT STATION 612+20:

PRESTAGE:

- CLOSE OUTSIDE SHOULDER ON EB AND WB I-94 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
- REMOVE RUMBLE STRIPS ON OUTSIDE SHOULDER FOR BOTH EB AND WB I-94.

STAGE 1:

- SHIFT TRAFFIC TO OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-9.
- CLOSE BOTH EB AND WB I-94 INSIDE SHOULDERS AND INSIDE LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701400.
- CONSTRUCT MEDIAN TRUSS FOUNDATION.
- CONSTRUCT BARRIER TRANSITION.

STAGE 2:

- CLOSE EB I-94 OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
- CONSTRUCT OUTSIDE SIGN TRUSS FOUNDATION. REMOVE AND REERECT GUARDRAIL AS NEEDED FOR ACCESS FOR EASE OF CONSTRUCTION AS NECESSARY.
- INSTALL TRUSS SPAN WITH DMS SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS.

DMS-ED-012 OVERHEAD SIGN TRUSS LOCATED AT STATION 664+50:

PRESTAGE:

- CLOSE OUTSIDE SHOULDER ON EB AND WB I-94 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
- REMOVE RUMBLE STRIPS ON OUTSIDE SHOULDER FOR BOTH EB AND WB I-94.

STAGE 1:

- SHIFT TRAFFIC TO OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-9.
- CLOSE BOTH EB AND WB I-94 INSIDE SHOULDERS AND INSIDE LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701400.
- CONSTRUCT MEDIAN TRUSS FOUNDATION.
- CONSTRUCT BARRIER TRANSITION.

STAGE 2:

- CLOSE WB I-94 OUTSIDE SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
- CONSTRUCT OUTSIDE SIGN TRUSS FOUNDATION. REMOVE AND REERECT GUARDRAIL AS NEEDED FOR ACCESS FOR EASE OF CONSTRUCTION AS NECESSARY.
- INSTALL TRUSS SPAN WITH DMS SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS.

DMS-ED-020 CANTILEVER SIGN LOCATED AT STATION 1355+00

STAGE 1:

- CLOSE OUTSIDE NB US 41 SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PERMANENT SHOULDER CLOSURE. MAINTAIN EXISTING LANES ON WB US 41.
- CONSTRUCT CANTILEVER SIGN FOUNDATION.
- INSTALL CANTILEVER SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS.

DMS-ED-021 CANTILEVER SIGN LOCATED AT STATION 1455+82

STAGE 1:

- CLOSE OUTSIDE SB US 41 SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PERMANENT SHOULDER CLOSURE. MAINTAIN EXISTING LANES ON SB US 41.
- CONSTRUCT CANTILEVER SIGN FOUNDATION.
- INSTALL CANTILEVER SIGN. SEE MOT GENERAL NOTE 18 FOR FULL STOP REQUIREMENTS.

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USER NAME = kosirmm	DESIGNED - KSB	REVISED -
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PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 3/2/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES
SHEET 1 OF 2**

SCALE: NTS SHEET 1 OF 17 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	48
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

FIBER OPTIC CABLE SEQUENCING

FOR FIBER CROSSINGS FOLLOW THE FOLLOWING MOT PLAN. REFERENCE ALL ITS WORK ON SHEETS ITS-01 TO ITS-82. FOR TYPICAL MOT LAYOUT SEE SHEETS MOT-03.

THE BORING PITS AT THE FOLLOWING LOCATIONS AS SHOWN ON THE PLANS SHALL BE LOCATED A MINIMUM OF 22 FT FROM ALL UNPROTECTED EDGE OF TRAVELED WAY:

STA. 26+00, RT	STA. 424+50, LT	STA. 688+50
STA. 56+00, RT	STA. 431+50, LT	STA. 717+50
STA. 72+25, RT	STA. 443+50, LT	STA. 724+25
STA. 86+00, LT	STA. 459+50	STA. 735+25
STA. 114+75, RT	STA. 485+25	STA. 746+75
STA. 125+00	STA. 514+50, LT	STA. 776+00
STA. 125+50, RT	STA. 544+00	STA. 780+25
STA. 152+50, LT	STA. 570+50	STA. 891+75, RT
STA. 179+25, LT	STA. 576+00	STA. 899+00, RT
STA. 213+50	STA. 578+00	STA. 903+00
STA. 245+50	STA. 607+25, LT	STA. 929+25 RT
STA. 284+00, RT	STA. 628+00, LT	STA. 929+50, RT
STA. 288+00	STA. 634+50	STA. 930+25
STA. 312+50	STA. 662+50, LT	
STA. 390+50	STA. 663+75, LT	

STA. 34+50 RT: THE BORING PIT LOCATED IN WB EDENS WILSON ENTRANCE RAMP GORE

1. THE BORING PIT SHALL BE LOCATED BEHIND THE EXISTING GUARDRAIL.
2. SHIFT THE WB I-94 ENTRANCE RAMP TRAFFIC TO RIGHT SHOULDER IN ACCORDANCE WITH THE DAYTIME SHOULDER CLOSURE IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17, TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES.
3. ALL WORK SHALL BE COMPLETED DURING THE DAY.

STA. 56+00, LT: EB I-94 ELSTON ENTRANCE RAMP

1. APPLY PARTIAL RAMP CLOSURE TO RIGHT SIDE OF RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.

STA. 56+75 LT: EB I-94 ELSTON ENTRANCE RAMP:

1. APPLY PARTIAL RAMP CLOSURE TO RIGHT SIDE OF RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.

STA. 57+75: BORING PIT IN EB EDENS ELSTON ENTRANCE RAMP GORE

1. SHIFT EB I-94 RAMP TRAFFIC TO THE RIGHT SHOULDER IN ACCORDANCE WITH D1 STANDARD TC-17.

STA. 127+00 LT: THE BORING PITS ALONG PETERSON AVE SHALL BE LOCATED A MINIMUM 22' FROM THE EDGE OF SIDEWALK

STA. 131+00 RT: WB I-94 PETERSON AVE RAMPS

1. SHIFT TRAFFIC TO THE RIGHT SHOULDER OF WB I-94 PETERSON AVE EXIT RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
2. THE BORING PITS SHALL BE LOCATED A MINIMUM OF 22' FROM THE EDGE OF PAVEMENT OF THE WB I-94 PETERSON AVE ENTRANCE RAMP.

STA. 133+00 RT: WB I-94 PETERSON AVE ENTRANCE RAMP

1. THE BORING PIT ALONG THE LEFT SHOULDER OF THE RAMP SHALL BE A MINIMUM OF 22' FROM THE EDGE OF PAVEMENT.
2. APPLY A PARTIAL RAMP CLOSURE TO RIGHT SHOULDER OF THE RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.

STA. 169+00 RT: INSTALATION OF THE CAMERA FOUNDATION SHALL NOT DISTURB STORM SEWER

STA. 201+50: THE BORING PIT BETWEEN EXISTING STORM SEWER AND THE OUTSIDE SHOULDER

1. APPLY PERMANENT SHOULDER CLOSURE TO OUTSIDE SHOULDER IN BOTH DIRECTIONS IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.

STA. 269+50:

1. THE BORING PIT ALONG EB I-94 SHALL BE 22' FROM EDGE OF PAVEMENT.
2. APPLY PERMANENT SHOULDER CLOSURE TO RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 ALONG WB I-94 TO PROTECT BORING PIT BETWEEN SHOULDER AND EXISTING STORM SEWER.

STA 332+50:

1. RIGHT: CLOSE WB I-94 RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PERMANENT SHOULDER CLOSURE.
2. RIGHT: WB I-94 WILL REQUIRE A RIGHT SHOULDER CLOSURE, AND POSSIBLY A LANE SHIFT ONTO THE LEFT SHOULDER TO PROVIDE ROOM FOR BORING RECEIVING PIT. FOLLOW DISTRICT 1 STANDARDS TC-9 AND TC-17.
3. LEFT: BORING PIT ALONG EB I-94 SHALL BE 22' FROM EDGE OF PAVEMENT.
4. BORING PIT ON EITHER SIDE OF EB I-94 DEMPSTER ENTRANCE RAMP SHALL BE 22' FROM EDGE OF PAVEMENT.

STA. 335+00:

1. PARTIALLY CLOSE LEFT SIDE OF WB I-94 DEMPSTER EXIT RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
2. BORING PIT ON THE RIGHT SIDE OF THE WB I-94 DEMPSTER EXIT RAMP SHALL BE 22' FROM EDGE OF PAVEMENT.

STA. 344+00:

1. BORING PIT ALONG EB I-94 SHALL BE 22' FROM EDGE OF PAVEMENT.
2. BORING PIT ALONG THE RIGHT SHOULDER OF THE WB I-94 DEMPSTER EXIT RAMP SHALL BE 22' FROM EDGE OF PAVEMENT.
3. PARTIALLY CLOSE LEFT SIDE OF THE WB I-94 EXIT RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
4. CLOSE WB I-94 RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PARTIAL RAMP CLOSURE.
5. WORK SHALL BE COMPLETED DURING THE DAY.

STA. 369+50:

1. EB I-94 BORING PIT SHALL BE LOCATED BEHIND THE EXISTING GUARDRAIL.
2. WB I-94 BORING PIT SHALL BE LOCATED 22' FROM EDGE OF PAVEMENT.

STA. 492+50:

1. BORING PITS ALONG EB I-94 AND EB I-94 LANE AVE ENTRANCE RAMP SHALL BE 22' FROM EDGE OF PAVEMENT.
2. CLOSE WB I-94 RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PARTIAL RAMP CLOSURE.
3. WORK SHALL BE COMPLETED DURING THE DAY.

STA. 512+50:

1. BORING PIT ALONG EB I-94 IS SHALL BE 22' FROM EDGE OF PAVEMENT.
2. CLOSE WB I-94 RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PARTIAL RAMP CLOSURE.
3. PARTIALLY CLOSE LEFT SIDE OF WB I-94 US 41 ENTRANCE RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
4. BORING PIT ON THE EAST SIDE OF THE US 41 ENTRANCE RAMP SHALL BE 22' FROM EDGE OF PAVEMENT.
5. WORK SHALL BE COMPLETED DURING THE DAY.

STA. 525+25

1. BORING PIT ALONG EB I-94 SHALL BE BEHIND GUARDRAIL AND FENCE.
2. BORING PIT ALONG WB I-94 AND FRONTAGE ROAD SHALL BE 22' FROM EDGE OF PAVEMENT.

STA. 699+50:

1. BORING PIT SHALL BE 22' FROM THE EDGE OF PAVEMENT.
2. FOR CAMERA FOUNDATION INSTALLATION, CLOSE OUTSIDE SHOULDER ALONG WB I-94 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17 PARTIAL RAMP CLOSURE.

STA. 777+75, SB US 41 LAKE COOK RD ENTRANCE RAMP: BORING PITS SHALL BE EITHER PROTECTED BEHIND GUARDRAIL AND BARRIER OR SHALL BE 22' FROM THE EDGE OF PAVEMENT

STA 801+00:

1. BORING PIT ALONG THE NB US 41 CLAVEY RD EXIT RAMP SHALL BE 22' FROM THE EDGE OF PAVEMENT
2. THE BORING PIT ALONG SB US 41 SHALL NOT IMPACT THE WETLAND AREA, 22.5' LT OF THE EDGE OF PAVEMENT. IF THE BORING PIT CANNOT BE LOCATED 22' FROM THE EDGE OF PAVEMENT, THEN DISTRICT 1 STANDARD TC-17 SHALL BE APPLIED TO THE OUTSIDE SHOULDER AND WORK SHALL BE COMPLETED DURING THE DAY.

STA. 806+00, SB US 41 SKOKIE VALLEY RD ENTRANCE RAMP:

1. THE BORING PIT IN THE RAMP GORE SHALL BE 22' FROM THE EDGE OF PAVEMENT OF BOTH THE RAMP AND US 41.
2. THE BORING PIT ALONG THE LEFT SIDE OF THE RAMP SHALL NOT IMPACT THE WETLAND AREA. IF THE BORING PIT CANNOT BE LOCATED 22' FROM THE EDGE OF PAVEMENT, THEN RAMP TRAFFIC SHALL BE SHIFTED TO THE RIGHT SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.

STA. 809+50:

1. RIGHT: THE BORING PIT ALONG THE CLAVEY RD NB US 41 ENTRANCE RAMP SHALL BE 22' FROM THE EDGE OF PAVEMENT.
2. CLOSE RIGHT SB US 41 SHOULDER IN ACCORDANCE WITH DISTRICT 1 STANDARD DETAIL TC-17 SHOULDER CLOSURE.
3. LEFT: THE BORING PIT SHALL BE LOCATED 22' FROM EDGE OF PAVEMENT ALONG THE RIGHT SHOULDER OF THE SB US 41 SKOKIE VALLEY RD EXIT RAMP.

STA 814+00, GORE

1. THE BORING PIT ALONG SB US 41 SHALL BE 22' FROM THE EDGE OF PAVEMENT.
2. CLOSE BOTH SHOULDERS ON SB US 41/ SKOKIE VALLEY RD EXIT RAMP GORE, IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
3. WORK SHALL BE COMPLETED DURING THE DAY.

STA. 827+50 LEFT

1. CLOSE SHOULDER AND RIGHT SB US 41 LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701401 OVERNIGHT DURING ALLOWABLE HOURS PER THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISION TO DIG THE BORE PIT.
2. ONLY CLOSE THE LEFT SHOULDER ALONG SB US 41 TO BORE FIBER PER DISTRICT 1 STANDARD TC-17.
3. RESTORE SHOULDER PAVEMENT.

STA. 832+25

1. LEFT: CLOSE SHOULDER AND RIGHT SB US 41 LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701401 OVERNIGHT DURING ALLOWABLE HOURS PER THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISION TO DIG THE BORE PIT.
2. LEFT: ONLY CLOSE THE LEFT SHOULDER ALONG SB US 41 TO BORE FIBER PER DISTRICT 1 STANDARD TC-17.
3. RIGHT: PLACE BORING PIT TO THE EAST OF THE ELECTRICAL LINE, 22' FROM THE EDGE OF PAVEMENT AND AVOID THE ELECTRICAL LINE WHILE BORING.
4. LEFT: RESTORE SHOULDER PAVEMENT.

STA. 841+75, LEFT

1. CLOSE SHOULDER AND RIGHT SB US 41 LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701401 OVERNIGHT DURING ALLOWABLE HOURS PER THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISION TO DIG THE BORE PIT.
2. ONLY CLOSE THE LEFT SHOULDER ALONG SB US 41 TO BORE FIBER PER DISTRICT 1 STANDARD TC-17.
3. RESTORE SHOULDER PAVEMENT.

STA. 850+50, LEFT:

1. CLOSE SHOULDER AND RIGHT SB US 41 LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701401 OVERNIGHT DURING ALLOWABLE HOURS PER THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC CONTRACT SPECIAL PROVISION TO DIG THE BORE PIT.
2. ONLY CLOSE THE LEFT SHOULDER ALONG SB US 41 TO BORE FIBER PER DISTRICT 1 STANDARD TC-17.
3. RESTORE SHOULDER PAVEMENT.

STA. 858+50

1. LEFT: CLOSE SHOULDER AND RIGHT SB US 41 LANE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701401.
2. RIGHT: CLOSE RIGHT SHOULDER OF THE NB US 41 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
3. WORK SHALL BE COMPLETED DURING THE DAY.
4. LEFT: RESTORE SHOULDER PAVEMENT.

STA. 883+50:

1. PARTIALLY CLOSE RIGHT SHOULDER AND LANE OF SB US 41 ENTRANCE RAMP IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
2. BORING PIT IN THE GORE AREA SHALL BE 22' FROM EITHER EDGE OF PAVEMENT.

STA. 888+50

1. LEFT: BORING PIT ALONG SB US 41 SHALL BE LOCATED 22' FROM EDGE OF PAVEMENT.
2. RIGHT: CLOSE OUTSIDE SHOULDER OF NB US 41 IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-17.
3. RAMP: BORING PIT SHALL BE 22' FROM EDGE OF PAVEMENT ON EITHER SIDE.

MOT-02

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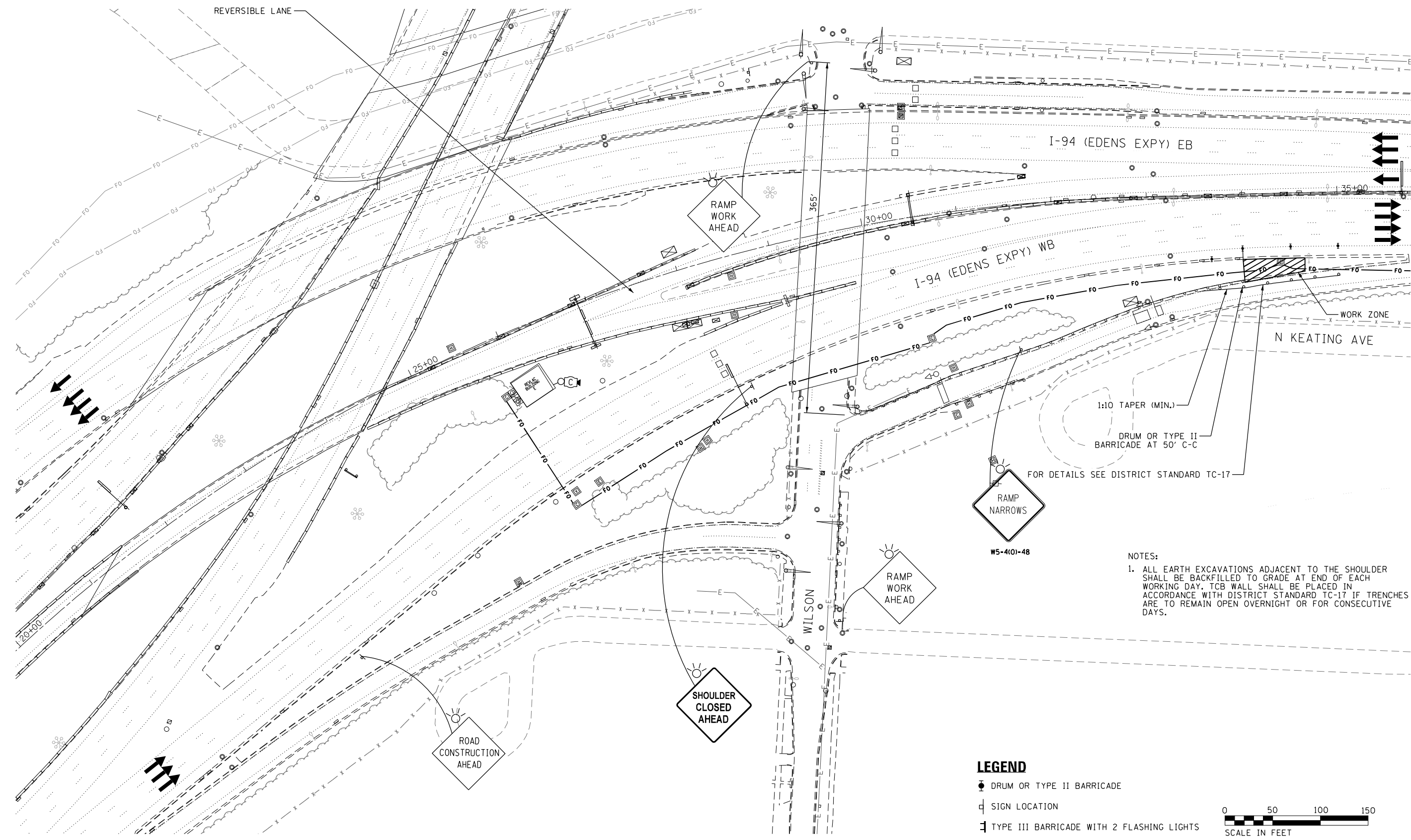
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PLOT DATE = 3/2/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES
SHEET 2 OF 2**

SCALE: NTS SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	49
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. ALL EARTH EXCAVATIONS ADJACENT TO THE SHOULDER SHALL BE BACKFILLED TO GRADE AT END OF EACH WORKING DAY. TCB WALL SHALL BE PLACED IN ACCORDANCE WITH DISTRICT STANDARD TC-17 IF TRENCHES ARE TO REMAIN OPEN OVERNIGHT OR FOR CONSECUTIVE DAYS.

FOR DETAILS SEE DISTRICT STANDARD TC-17
 W5-401-48

LEGEND

- DRUM OR TYPE II BARRICADE
- SIGN LOCATION
- ▤ TYPE III BARRICADE WITH 2 FLASHING LIGHTS
- ▨ WORK ZONE



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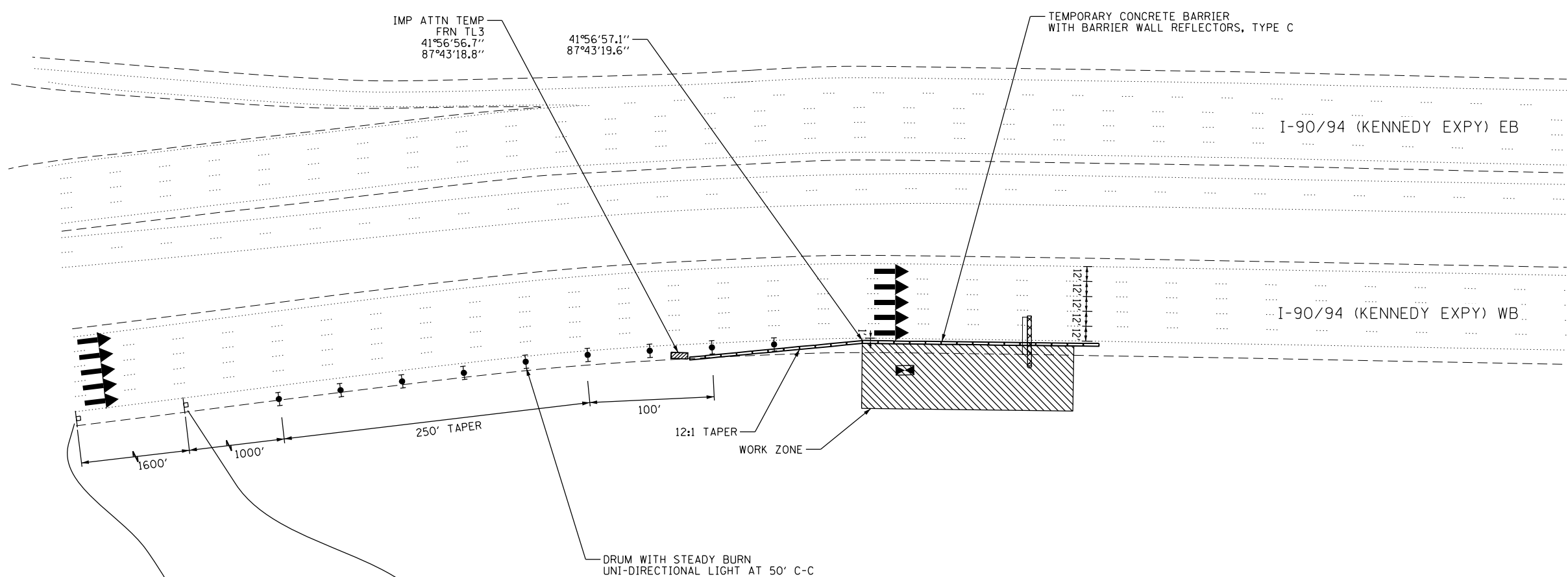
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PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**MAINTENANCE OF TRAFFIC
 TYPICAL SHOULDER AND PARTIAL RAMP CLOSURE**
 SCALE: 1" = 50' SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	50
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

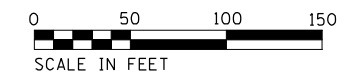
MOT-03



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
 - SIGN LOCATION
 - ▨ IMPACT ATTENUATOR
 - ▬ TEMPORARY CONCRETE BARRIER
 - ▨ WORK ZONE
-  W20-1A
 W21-5aR

NOTES:
1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-KE-006 LOCATION**

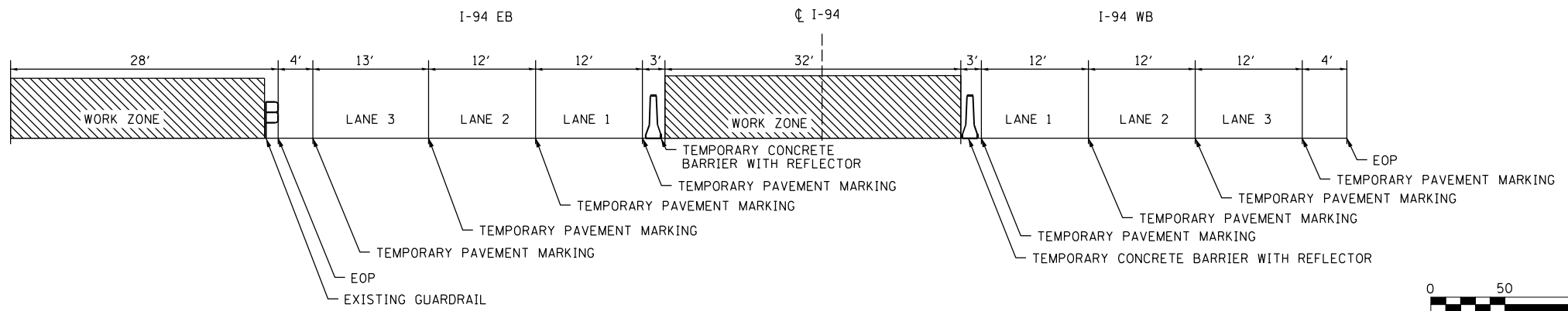
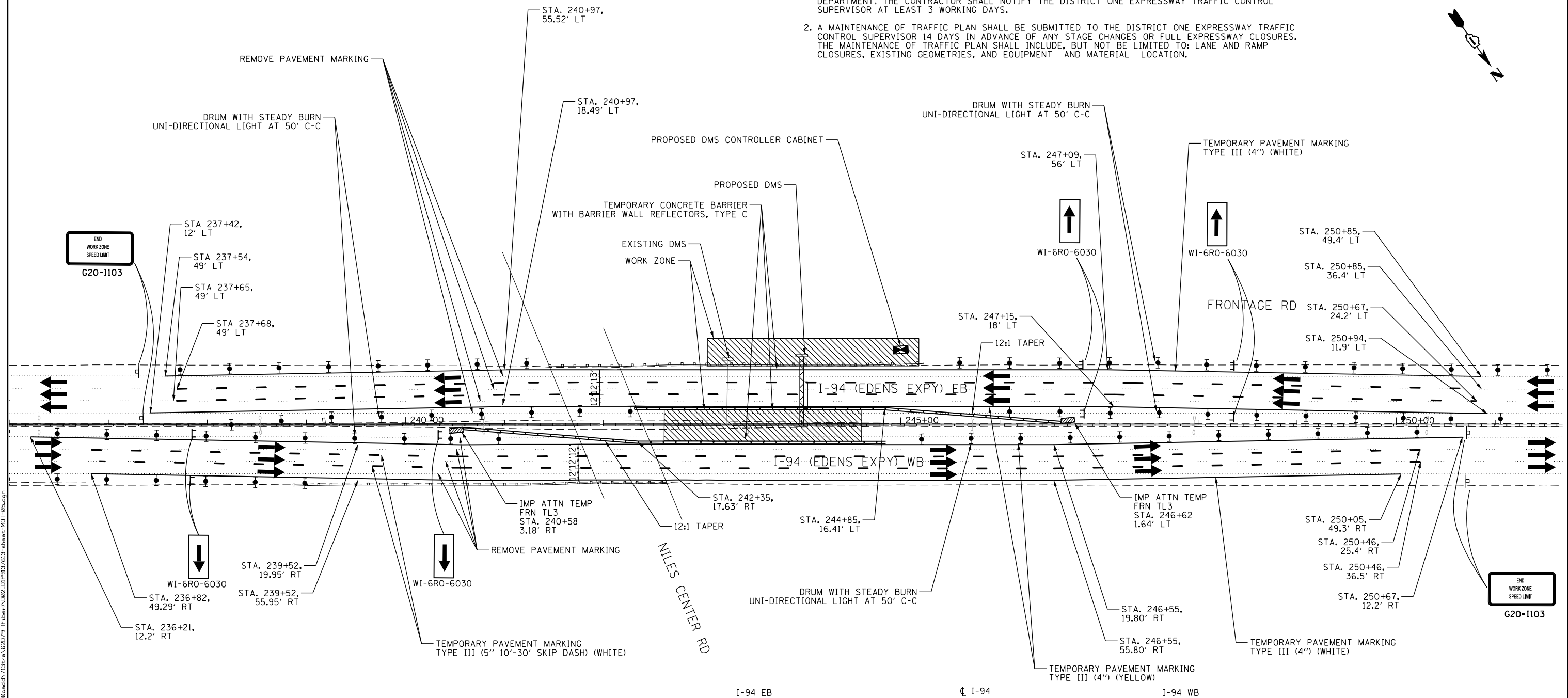
SCALE: 1" = 50' SHEET 4 OF 17 SHEETS STA. TO STA.

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	51
CONTRACT NO. 62D80				
ILLINOIS FED. AID PROJECT				

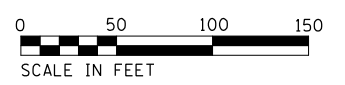
MOT-04

NOTES:

1. ALL STAGE CHANGES REQUIRING THE STOPPING, AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS.
2. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRIES, AND EQUIPMENT AND MATERIAL LOCATION.



MOT TYPICAL SECTION



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

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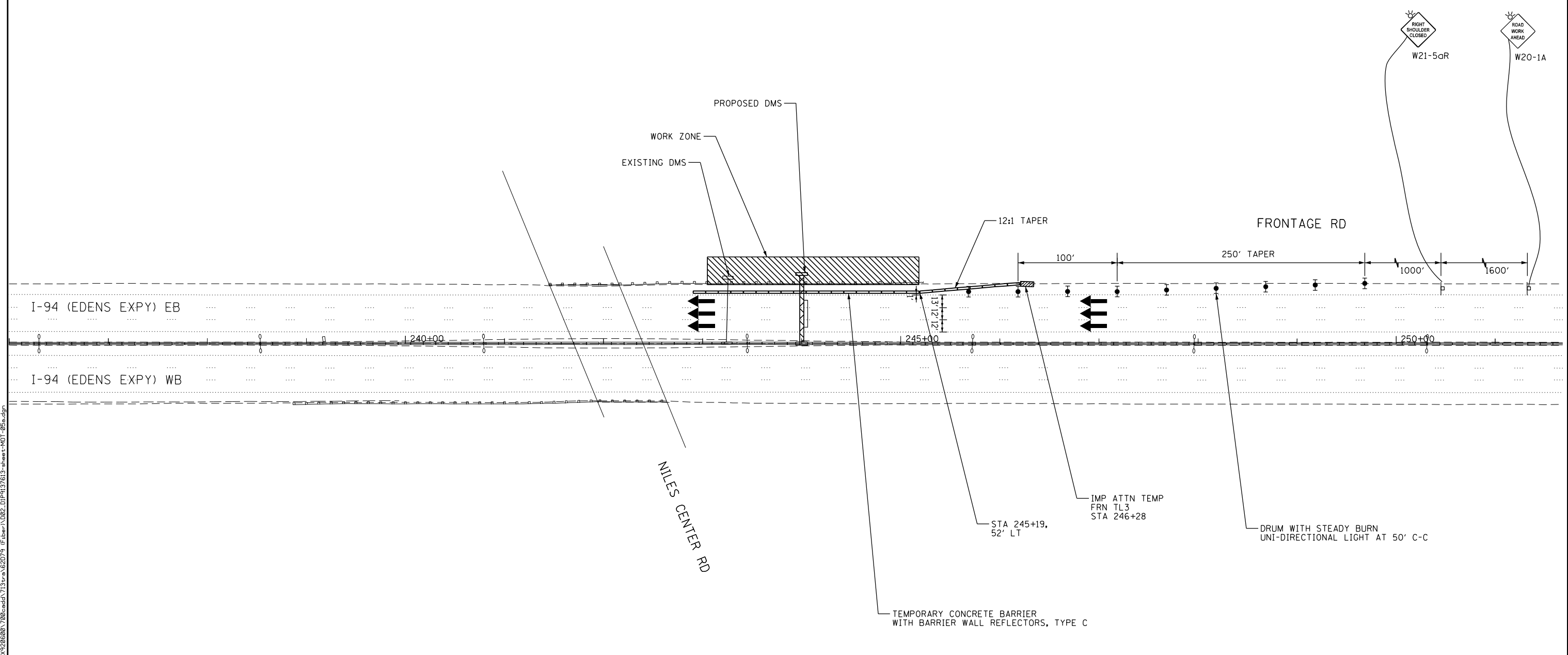
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DMS-ED-004 LOCATION - STAGE 1
SCALE: 1" = 50' SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	52
CONTRACT NO. 62D81				
ILLINOIS FED. AID PROJECT				

MOT-05

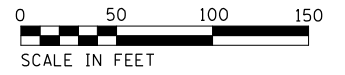
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LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ▨ WORK ZONE

NOTES:
 1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 DMS-ED-004 LOCATION - STAGE 2**

SCALE: 1" = 50' SHEET 6 OF 17 SHEETS STA. TO STA.

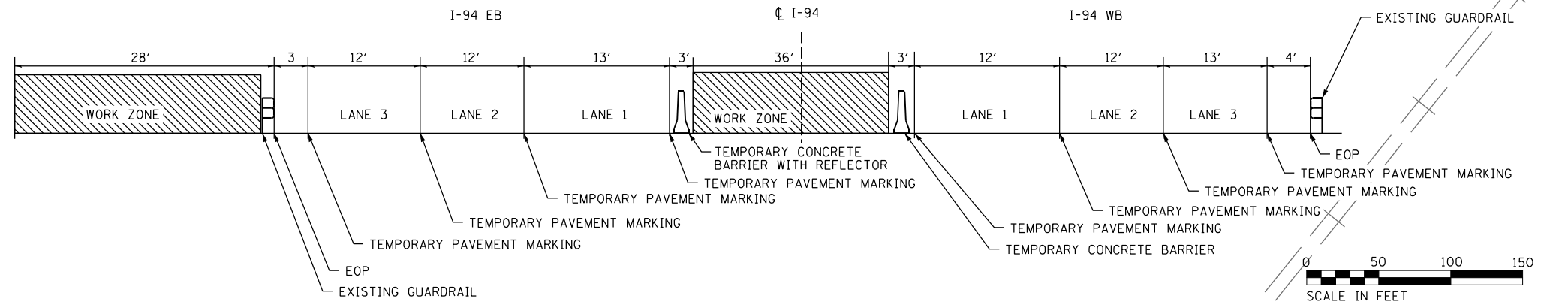
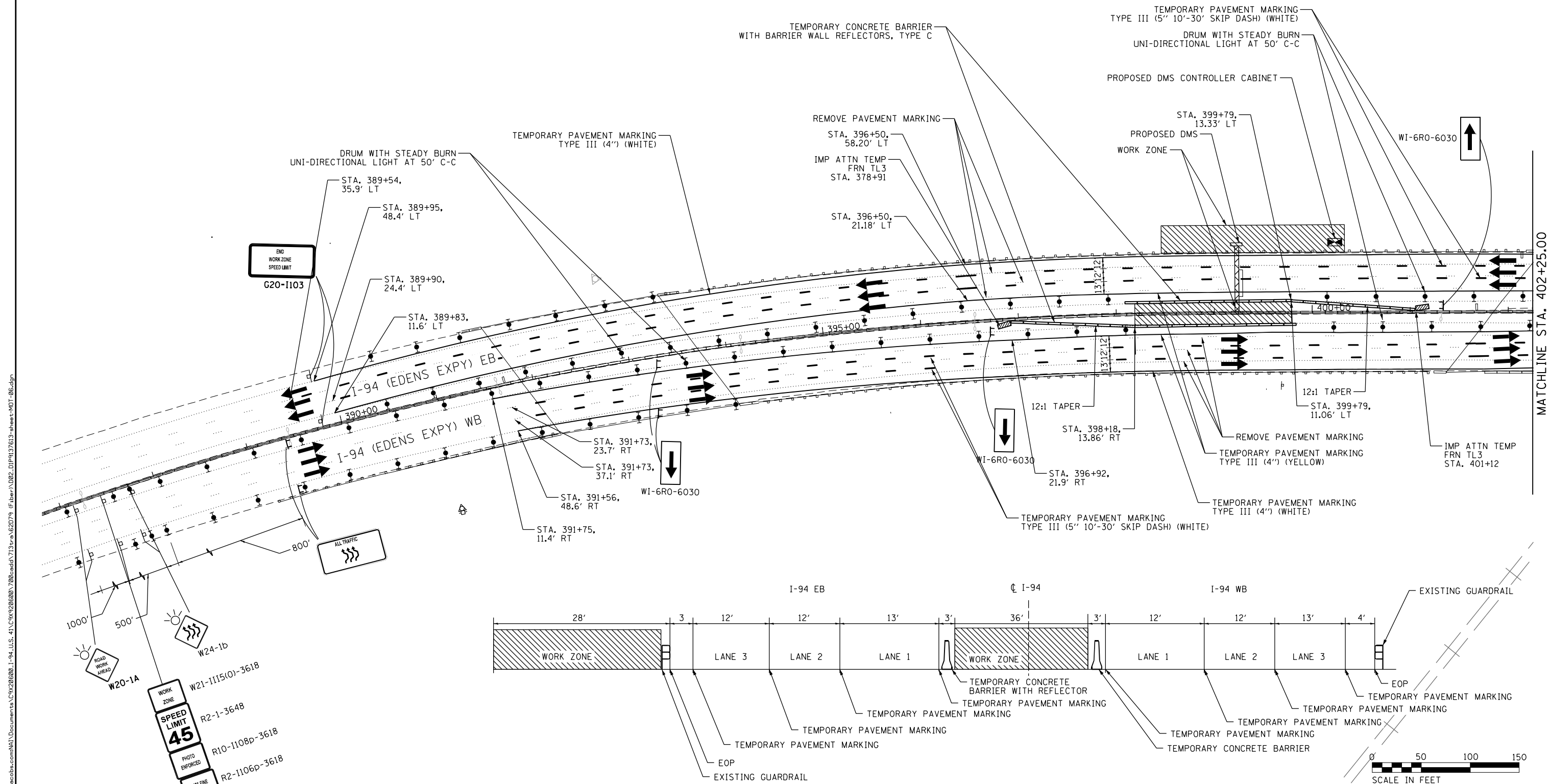
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	53
CONTRACT NO. 62082			ILLINOIS FED. AID PROJECT	

MOT-06

LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ▭ WORK ZONE

- NOTES:**
- ALL STAGE CHANGES REQUIRING THE STOPPING, AND/OR PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS.
 - A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRIES, AND MATERIAL LOCATION.



MOT TYPICAL SECTION



MOT-07

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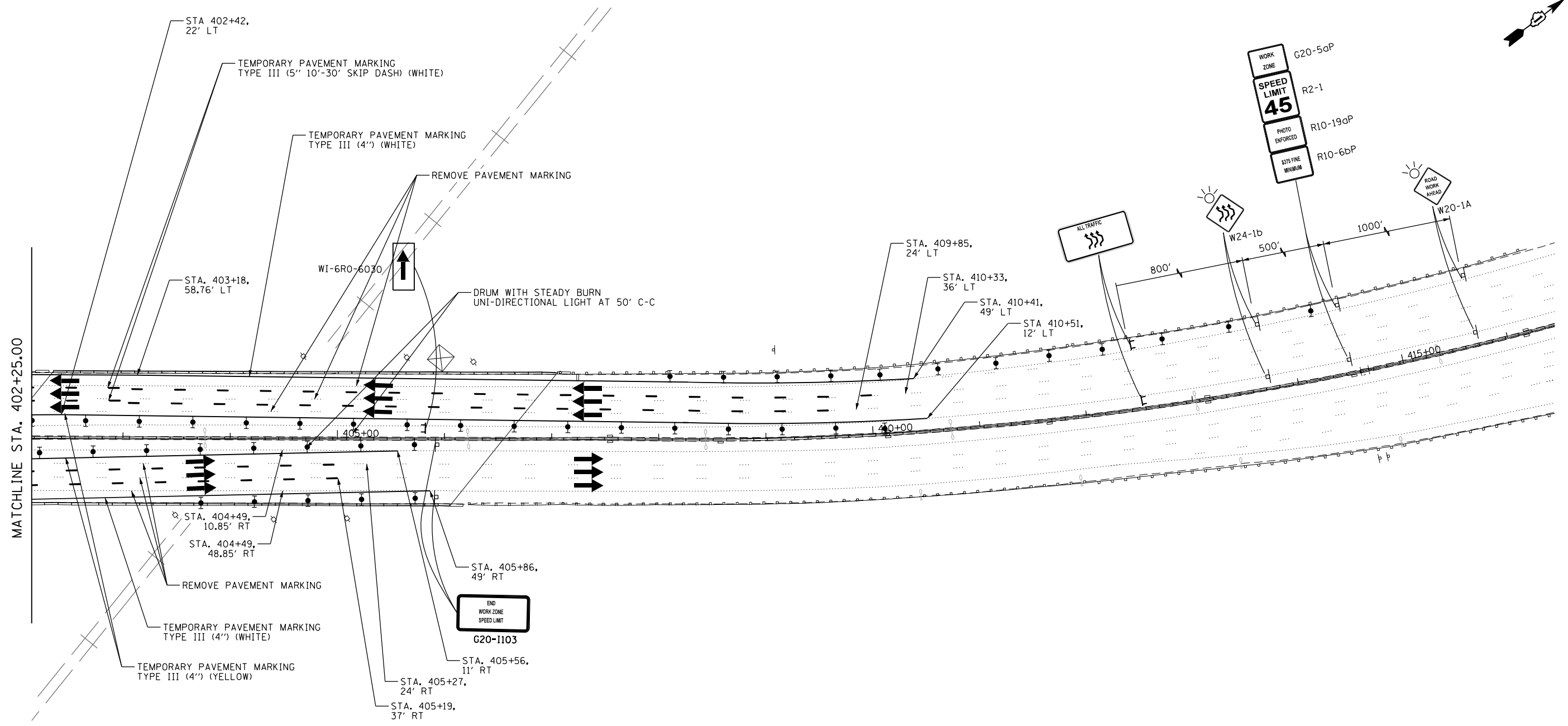
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-ED-007 LOCATION - STAGE 1**

SCALE: 1" = 50' SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	54

CONTRACT NO. 62083
ILLINOIS FED. AID PROJECT



MATCHLINE STA. 402+25.00

LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- WORK ZONE



MOT-08

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PLOT DATE = 3/1/2020	DATE - 3/1/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-ED-007 LOCATION - STAGE 1**

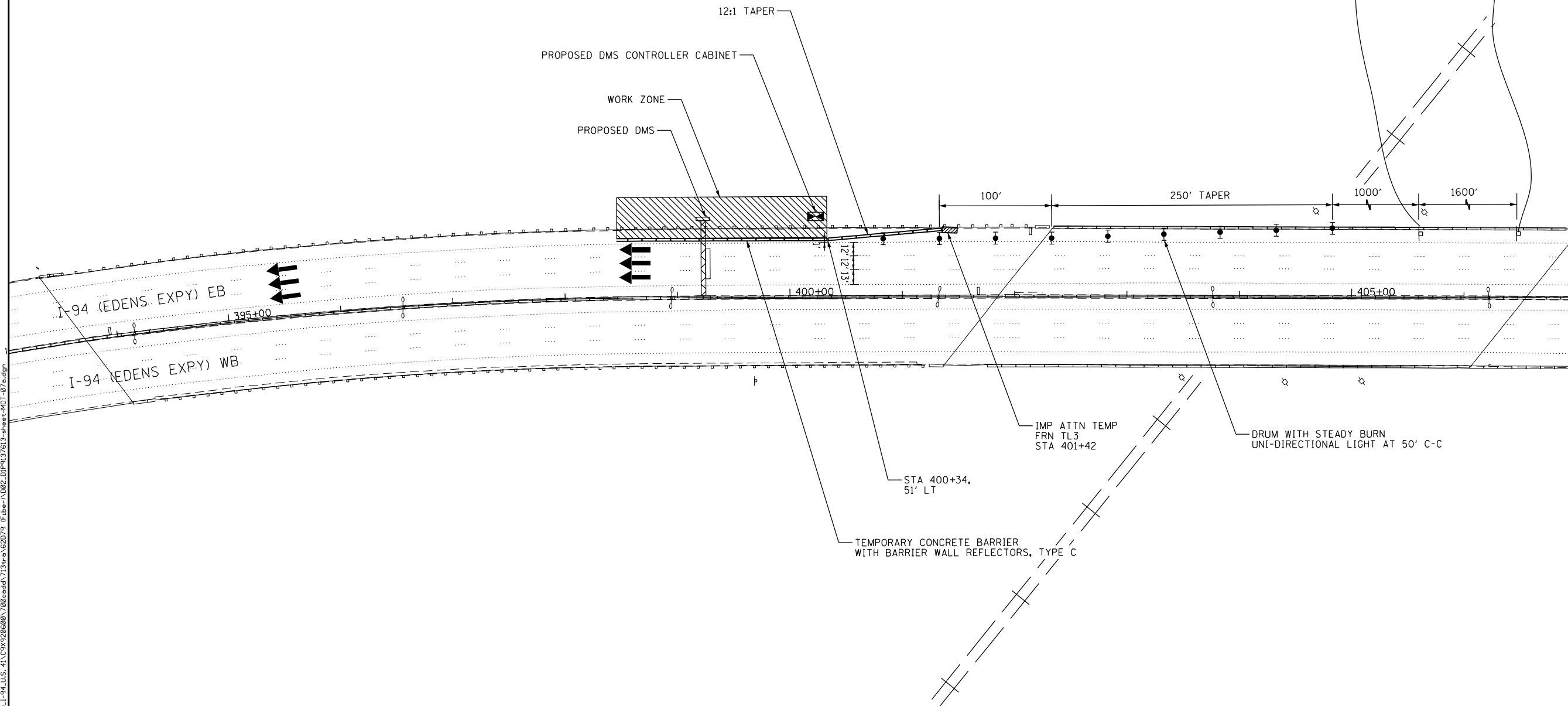
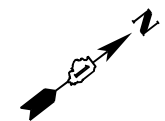
SCALE: 1" = 50' SHEET 8 OF 17 SHEETS STA. TO STA.

F.A. I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	55
CONTRACT NO. 62084				
ILLINOIS FED. AID PROJECT				

LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ▩ WORK ZONE

NOTES:
 1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

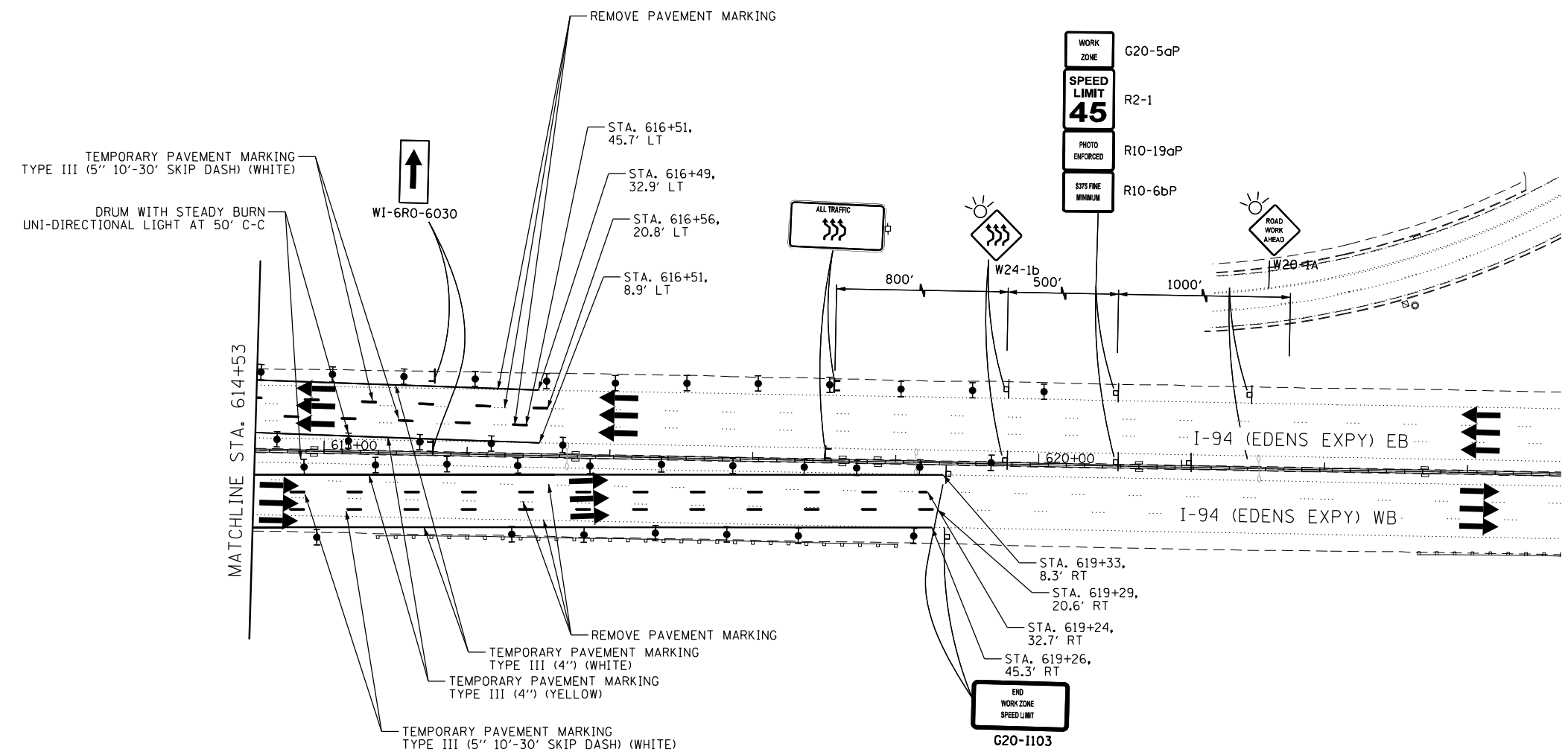
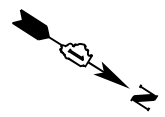
**MAINTENANCE OF TRAFFIC
 DMS-ED-007 LOCATION - STAGE 2**

SCALE: 1" = 50' SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	56
CONTRACT NO. 62085				

ILLINOIS FED. AID PROJECT

MOT-09

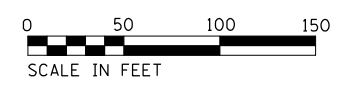


LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

NOTES:

1. ALL STAGE CHANGES REQUIRING THE STOPPING, AND/OR PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS.
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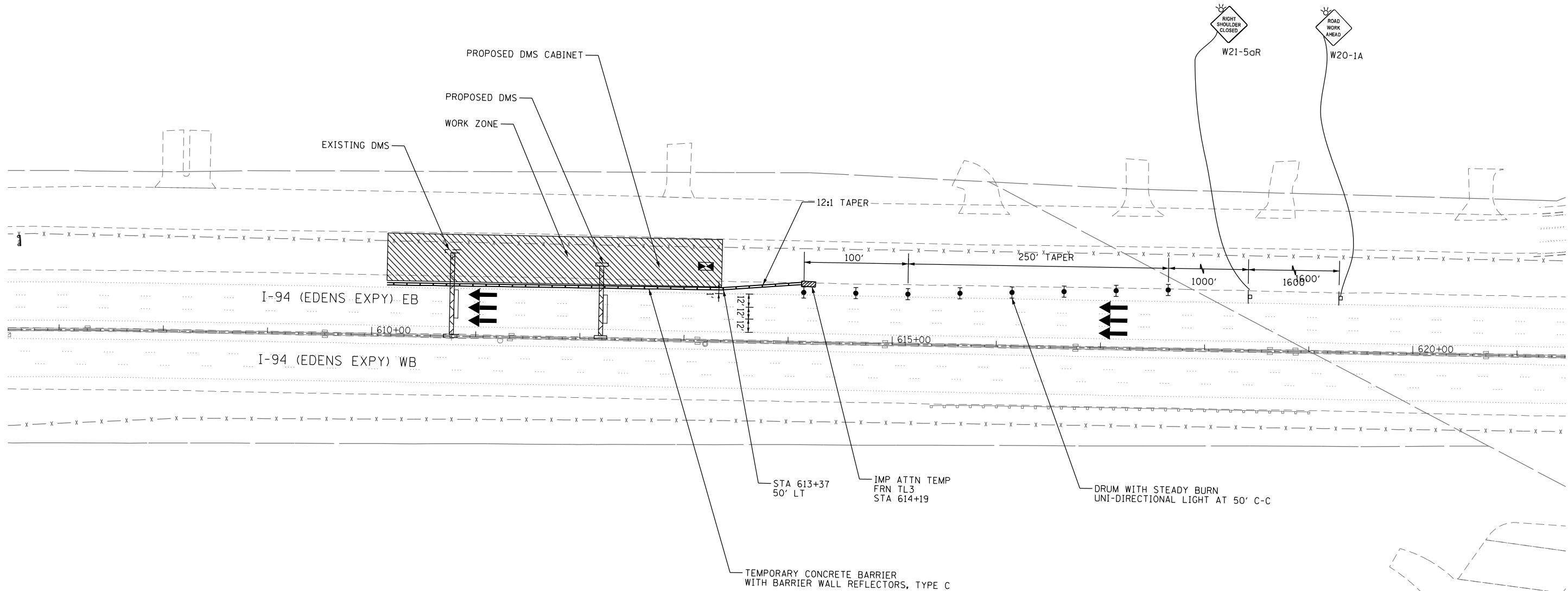
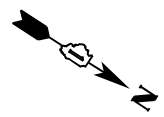
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DMS-ED-011 LOCATION - STAGE 1
 SCALE: 1" = 50' SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	58
CONTRACT NO. 62087			ILLINOIS FED. AID PROJECT	

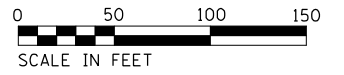
MOT-11



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ▩ WORK ZONE

NOTES:
 1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

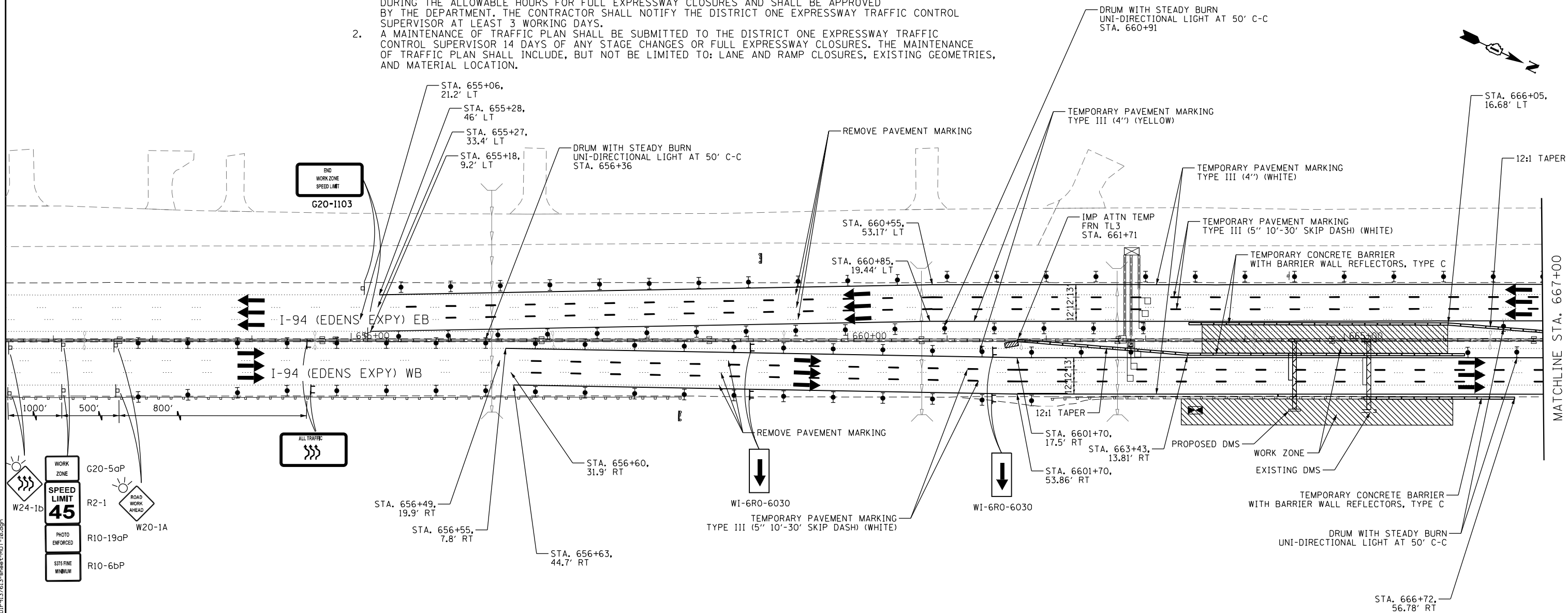
**MAINTENANCE OF TRAFFIC
 DMS-ED-011 LOCATION - STAGE 2**

SCALE: 1" = 50' SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	59
CONTRACT NO. 62088				
ILLINOIS FED. AID PROJECT				

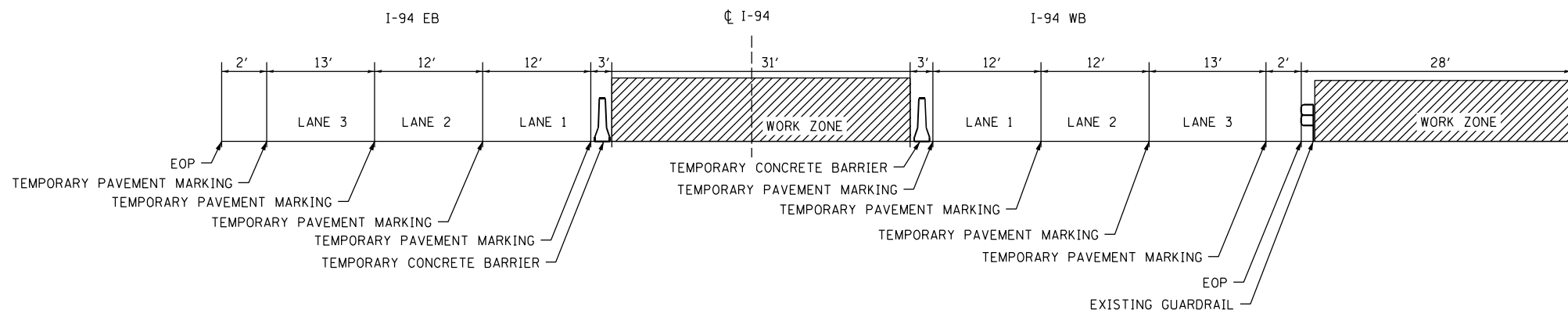
MOT-12

- NOTES:
1. ALL STAGE CHANGES REQUIRING THE STOPPING, AND/OR PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC SUPERVISOR AT LEAST 3 WORKING DAYS.
 2. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRIES, AND MATERIAL LOCATION.



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ▨ WORK ZONE



MOT-13

Jacobs

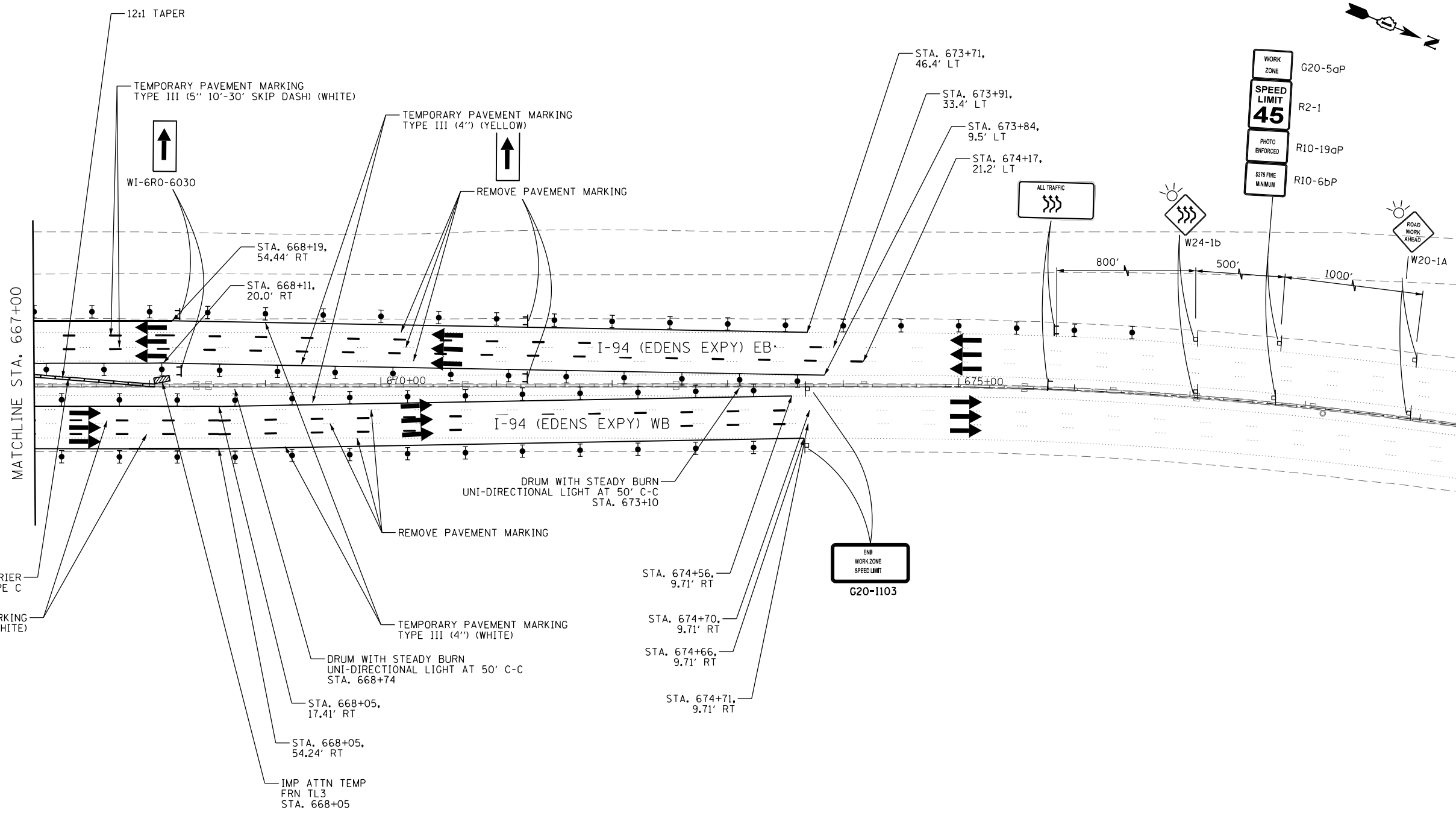
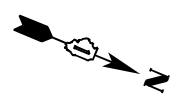
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DMS-ED-012 LOCATION - STAGE 1

SCALE: 1" = 50' SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	60
CONTRACT NO. 62089				
ILLINOIS FED. AID PROJECT				

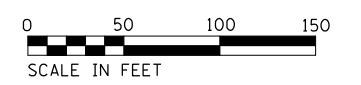


LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

NOTES:

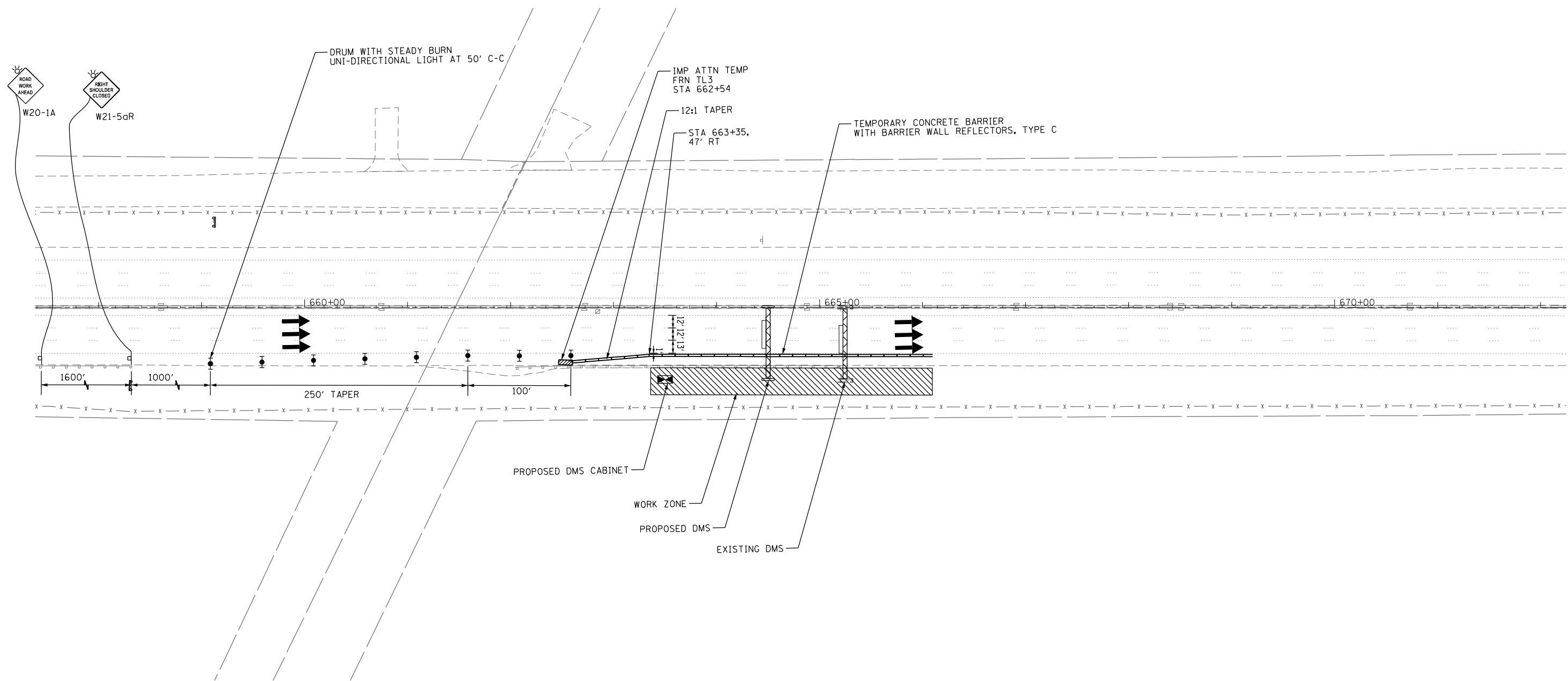
1. ALL STAGE CHANGES REQUIRING THE STOPPING, AND/OR PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS.
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MOT-14

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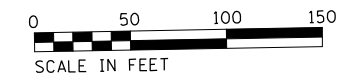
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	DRAWN - KSB	REVISED -	2016-06BI			COOK/LAKE	388	61		
PLOT SCALE =	CHECKED - MMK	REVISED -	DATE - 02/28/2020	SCALE: 1" = 50' SHEET 14 OF 17 SHEETS STA. TO STA.		CONTRACT NO. 62090		ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/1/2020	DATE - 02/28/2020	REVISED -								



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ▨ WORK ZONE

NOTES:
1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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Jacobs

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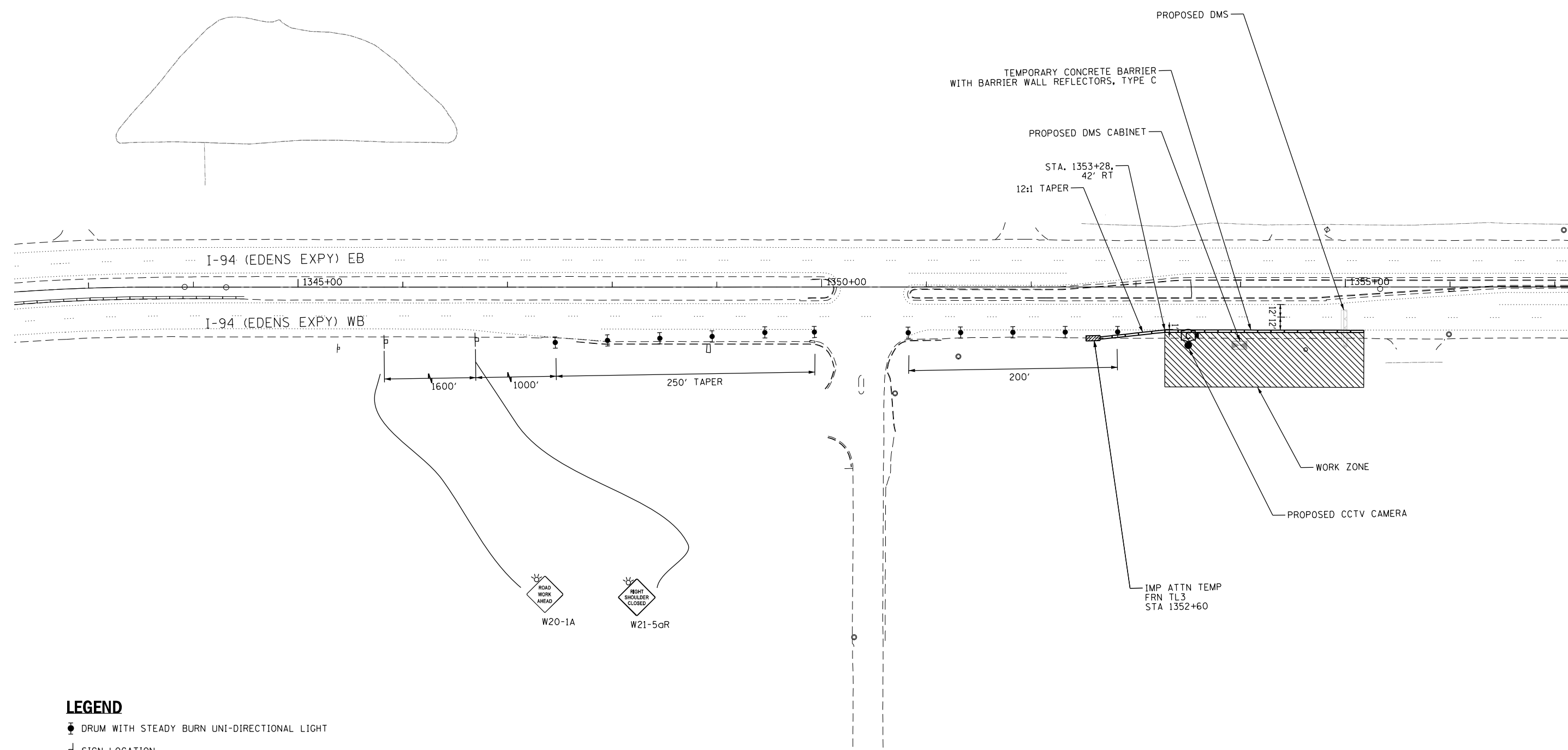
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-ED-012 LOCATION - STAGE 2**

SCALE: 1" = 50' SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	62
CONTRACT NO. 62091				
ILLINOIS FED. AID PROJECT				

MOT-15



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ▩ WORK ZONE

NOTES:
1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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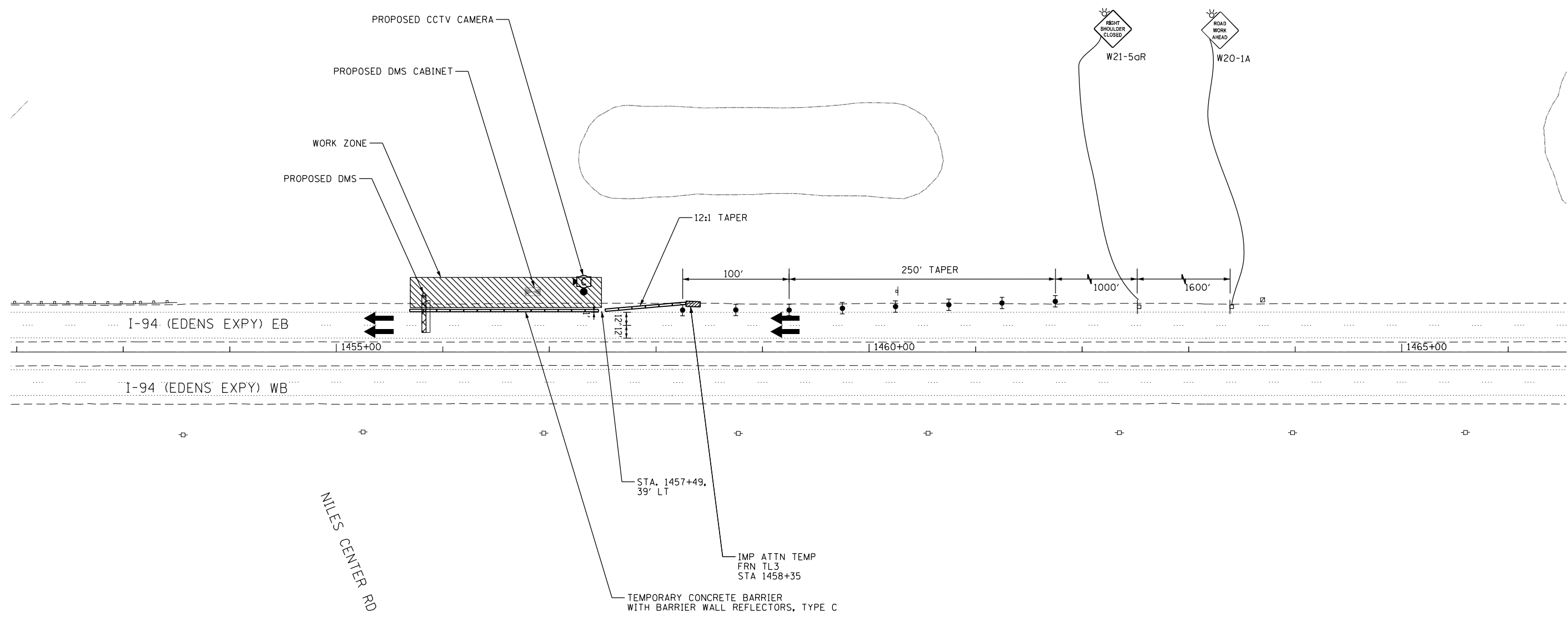
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PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-ED-020 LOCATION**

SCALE: 1" = 50' SHEET 16 OF 17 SHEETS STA. TO STA.

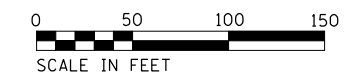
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	63
CONTRACT NO. 62092			ILLINOIS FED. AID PROJECT	



LEGEND

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ▨ WORK ZONE

NOTES:
1. ALL WORK SHALL COMPLY WITH DISTRICT 1 STANDARD TC-17



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	DRAWN - KSB	REVISED -
PLOT SCALE =	CHECKED - MMK	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DMS-ED-021 LOCATION**

SCALE: 1" = 50' SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	64
CONTRACT NO. 62093			ILLINOIS FED. AID PROJECT	

MOT-17

LIGHTING SHEET INDEX

LTG-01	HIGHWAY LIGHTING NOTES
LTG-02	HIGHWAY LIGHTING LEGEND
LTG-03	TEMPORARY LIGHTING AND REMOVAL PLAN - DMS-ED-IPRD LOCATION
LTG-04	TEMPORARY LIGHTING AND REMOVAL PLAN - DMS-ED-004 LOCATION
LTG-05	TEMPORARY LIGHTING AND REMOVAL PLAN - DMS-ED-007 LOCATION
LTG-06	TEMPORARY LIGHTING AND REMOVAL PLAN - DMS-ED-011 LOCATION
LTG-07	TEMPORARY LIGHTING AND REMOVAL PLAN - DMS-ED-012 LOCATION
LTG-08	PROPOSED LIGHTING PLAN - DMS-ED-IPRD LOCATION
LTG-09	PROPOSED LIGHTING PLAN - DMS-ED-004 LOCATION
LTG-10	PROPOSED LIGHTING PLAN - DMS-ED-007 LOCATION
LTG-11	PROPOSED LIGHTING PLAN - DMS-ED-011 LOCATION
LTG-12	PROPOSED LIGHTING PLAN - DMS-ED-012 LOCATION
LTG-13	TEMPORARY LIGHT POLE DETAILS
LTG-14	MISC. ELECTRICAL DETAILS

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BC	BOLT CIRCLE
C	CONDUIT
DIA	DIAMETER
DMS	DYNAMIC MESSAGE SIGN
FBC	FRONT OF BARRIER CURB
GRD/GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HPS	HIGH PRESSURE SODIUM
(I)	INSTALL
JB	JUNCTION BOX
LED	LIGHT-EMITTING DIODE
MA	MAST ARM
MH	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
PH	PHASE
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED STEEL
(R)	REMOVE
RGS	RIGID GALVANIZED STEEL
USE	UNDERGROUND SERVICE ENTRANCE
V	VOLTS
W	WATTS
XLP	CROSS-LINKED POLYETHYLENE

LIGHTING GENERAL NOTES

- PRIOR TO ANY WORK IN THE FIELD, THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLE AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123 OR 811) TO AID IN THIS TASK.
- THE CONTRACTOR MUST VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT PLANS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT FOR THE OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEM.
- NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
- ALL ELECTRICAL SYSTEMS, EQUIPMENT, AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH NATIONAL ELECTRICAL CODE EVEN THOUGH EVERY DETAIL OF REQUIREMENTS IS NOT SPECIFIED OR SHOWN.
- ALL UNDERGROUND WIRING SHALL BE 30 INCHES MINIMUM BELOW GRADE.
- THE NEW ELECTRICAL MATERIALS MUST MEET REQUIREMENTS OF STANDARDS BY THE FOLLOWING ORGANIZATIONS.
 -NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 -INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 -ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
 -AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 -U.S. DEPARTMENT OF TRANSPORTATION (U.S.D.O.T.)
 -UNDERWRITERS LABORATORIES (UL)
 -AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 -INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
 -NATIONAL ELECTRICAL SAFETY CODE (NEC)
 -NATIONAL ELECTRICAL CODE
 -AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING (ANSI/IESNA RP-8-14)
- ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.
- COMMENCEMENT OF WORK SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING ROADWAY FOR THIS WORK, AND ACCESS TO WORK SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR ADDITIONAL LABOR, EQUIPMENT, OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FOR SEEN DURING SUCH AN EXAMINATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, REINSTALLING, REPAIRING, OR REPLACING EQUIPMENT.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND ASCERTAIN EXISTING SITE CONDITIONS TO VERIFY THE EXTENT OF DEMOLITION AND REMODELING WORK. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING ALL RELOCATIONS AND REMOVALS REQUIRED IN THIS CONTRACT. CONTRACTOR SHALL VERIFY IN THE FIELD THE EXISTING CONDITIONS AND COORDINATE AS REQUIRED.
- LIGHTING CIRCUITS WILL BE IMPACTED BY CONSTRUCTION OF FIVE (5) DYNAMIC MESSAGE SIGN STRUCTURES, SEE CIVIL PLAN AND INTELLIGENT TRANSPORTATION SHEETS FOR DETAILS.

PROPOSED LIGHTING GENERAL NOTES

- ALL NEW UNIT DUCT, CONDUIT, JUNCTION BOXES, AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.
- CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDER DRAINS, FOUNDATIONS, AND UTILITIES.
- PULL PROPOSED LIGHTING BRANCH CIRCUIT CABLES AFTER MEDIAN BARRIER WALL HAS BEEN INSTALLED.

TEMPORARY LIGHTING GENERAL NOTES

- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE PER LIGHTING DETAIL SHEET E-13.
- THE CONTRACTOR SHALL PROVIDE ALL CONDUITS AND WIRE OF THE SAME TYPE AND SIZE REQUIRED TO MAINTAIN THE CONTINUITY OF THE CIRCUIT TO EXISTING LIGHT POLES TO REMAIN WHICH MAY BE AFFECTED BY REMOVALS, PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO MAINTENANCE OF LIGHTING SYSTEM. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE ENGINEER; AND THEN ONLY FOR THE DATE AND DURATION AGREED UPON.
- WHERE THE CONTINUITY OF CIRCUITS OR CONDUITS SERVING ANY EXISTING LIGHTING/EQUIPMENT TO REMAIN IN OPERATION IS INTERFERED WITH, REROUTE AND RECONNECT SUCH CIRCUITS OR CONDUITS.
- THE CONTRACTOR SHALL INSTALL TEMPORARY LIGHTING CABLES AND MAKE OPERATIONAL BEFORE THE START OF REMOVAL WORK. TEMPORARY LIGHTING MUST BE FULLY OPERATIONAL BEFORE THE EXISTING BRANCH CIRCUITS MAY BE REMOVED.
- IN ACCORDANCE WITH NEC 225.18 AERIAL CONDUCTOR TO MAINTAIN 18' MIN. CLEARANCE ABOVE ROAD SURFACE AT ALL TIMES.
- CONTRACTOR SHALL TURN OFF CIRCUITS AT THE CONTROLLER BEFORE WORKING ON EXISTING LIGHTING UNITS.

LIGHTING REMOVAL GENERAL NOTES







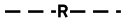


- BRANCH CIRCUIT WIRING FOR EXISTING EQUIPMENT TO BE REMOVED SHALL BE DISCONNECTED AT SOURCE AND REMOVED. REMOVAL OF EXISTING WIRING IS PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
- ALL EXISTING EQUIPMENT THAT ARE TO BE REMOVED SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- LOCATIONS SELECTED FOR COLLECTION OF DEBRIS AND/OR STORAGE OF EQUIPMENT SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

LTG-01

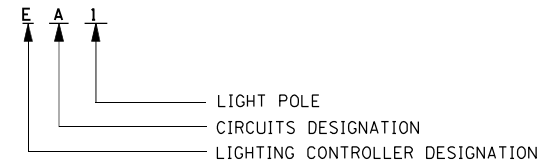
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Jacobs	USER NAME = zvolanjj	DESIGNED - KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY LIGHTING NOTES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DU	REVISED -	94			2016-068I	COOK/LAKE	65		
	PLOT SCALE =	CHECKED - DD	REVISED -			CONTRACT NO. 62079				
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE: NTS	SHEET 1 OF SHEETS		STA.	TO STA.	

IDOT LEGEND

-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING TWIN ARM LIGHTING UNIT TO REMAIN
-  EXISTING ELECTRICAL JUNCTION BOX ATTACHED TO STRUCTURE TO REMAIN
-  EXISTING UNDERPASS LUMINAIRE TO REMAIN
-  EXISTING IDOT LIGHTING CONTROLLER TO REMAIN
-  AERIAL CABLE, 3-1/C #2, ALUMINIUM, WITH MESSENGER WIRE
-  EXISTING BRANCH CIRCUIT CONDUCTORS TO BE REMOVED
-  UNIT DUCT, 1 1/2" DIA. POLYETHYLENE, SCH-40 600V, 3-1/C #2, & 1/C #4 GROUND (XLP-TYPE USE) (UNLESS NOTED OTHERWISE)
-  PROPOSED CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC

LIGHT POLE DESIGNATION



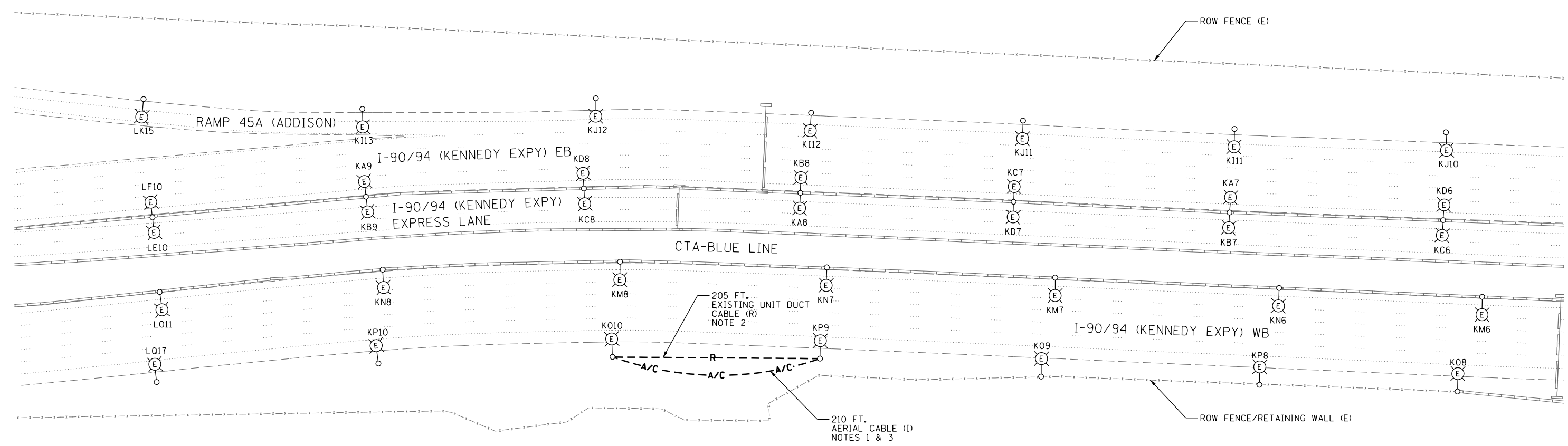
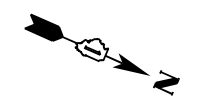
IDOT LIGHTING BILL OF MATERIALS

PAY ITEM DESCRIPTION	UNIT	QUANTITY
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	380
UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA.	FOOT	250
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	900
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3250
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1650
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1250
REMOVAL OF CABLE IN CONDUIT	FOOT	3850
AERIAL CABLE REMOVAL	FOOT	1170
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5

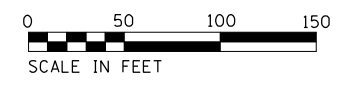
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LTG-02

Jacobs	USER NAME = zvolanjj	DESIGNED - KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY LIGHTING LEGEND	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DU	REVISIONS -	94			2016-0681	COOK/LAKE	388	66	
	PLOT SCALE =	CHECKED - DD	REVISIONS -			CONTRACT NO. 62079				
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISIONS -	SCALE: NTS SHEET 2 OF 14 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				



- NOTES:
1. INSTALL TEMPORARY AERIAL CABLES FROM EXISTING LIGHTING UNIT KP9 TO EXISTING LIGHTING UNIT KO10, AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS O/P. THIS WORK SHALL BE PAID FOR BY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE.
 2. REMOVE EXISTING UNDERGROUND BRANCH CIRCUIT WIRING FROM EXISTING LIGHTING UNIT KP9 TO EXISTING LIGHTING UNIT KO10. THIS WORK SHALL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
 3. THE TEMPORARY AERIAL CABLES SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE DMS STRUCTURE, AND ONCE THE PROPOSED LIGHTING CIRCUIT O/P CONDUCTORS HAVE BEEN INSTALLED. SEE PROPOSED LIGHTING PLAN E-08 FOR DETAILS.



LTG-03

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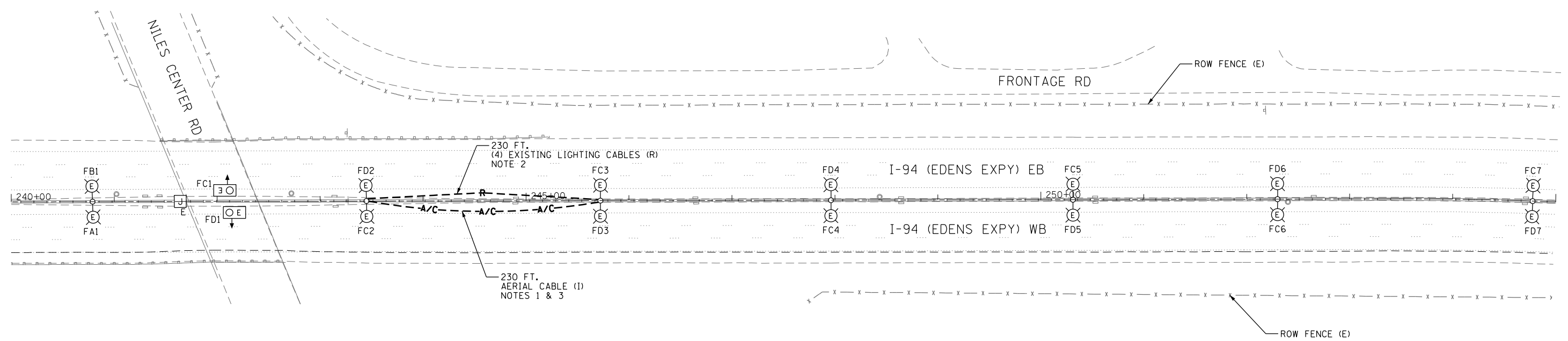
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

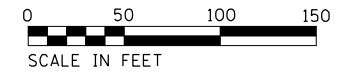
TEMPORARY LIGHTING AND REMOVAL PLAN
DMS-KE-006 LOCATION

SCALE: 1" = 50' SHEET 3 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	67
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. INSTALL TEMPORARY AERIAL CABLES FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT FC2/FD2 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT FC3/FD3, AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS C/D. THIS WORK SHALL BE PAID FOR BY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE.
 2. REMOVE EXISTING MEDIAN LIGHTING CIRCUIT C/D CONDUCTORS FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT FC2/FD2 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT FC3/FD3. THIS WORK SHALL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
 3. THE TEMPORARY AERIAL CABLES SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE DMS STRUCTURE, AND ONCE THE PROPOSED LIGHTING CIRCUIT C/D CONDUCTORS HAVE BEEN INSTALLED. SEE PROPOSED LIGHTING PLAN E-09 FOR DETAILS.



LTG-04

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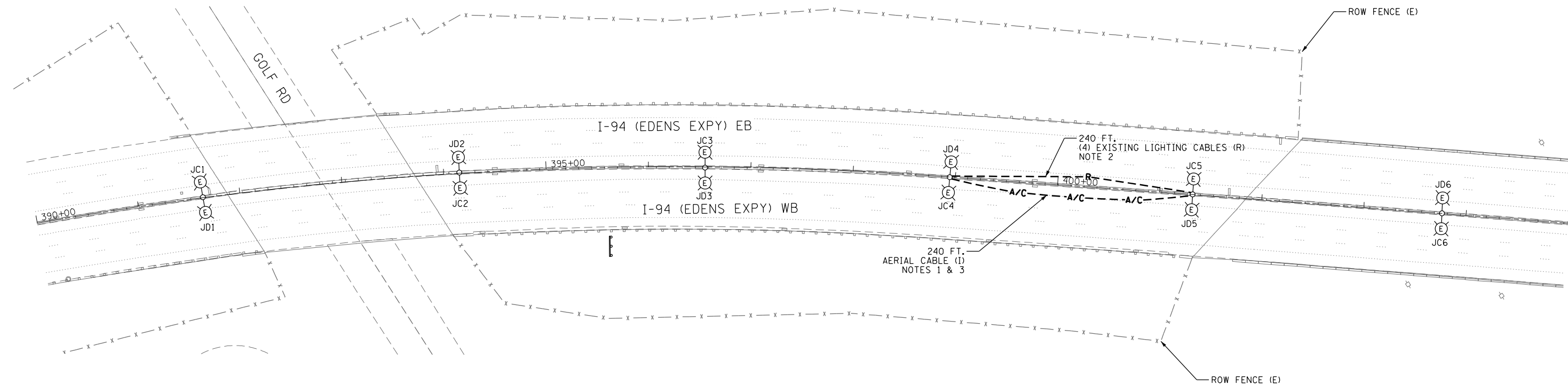
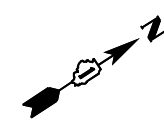
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PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

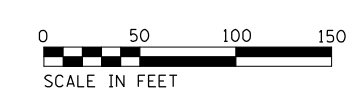
**TEMPORARY LIGHTING AND REMOVAL PLAN
DMS-ED-004 LOCATION**

SCALE: 1" = 50' SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	68
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	



- NOTES:
1. INSTALL TEMPORARY AERIAL CABLES FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT JC5/JD5 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT JC4/JD4, AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS C/D. THIS WORK SHALL BE PAID FOR BY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE.
 2. REMOVE EXISTING MEDIAN LIGHTING CIRCUIT CONDUCTORS BETWEEN EXISTING MEDIAN MOUNTED LIGHTING UNIT JC5/JD5 AND EXISTING MEDIAN MOUNTED LIGHTING UNIT JC4/JD4. THIS WORK SHALL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
 3. THE TEMPORARY AERIAL CABLES SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE DMS STRUCTURE, AND ONCE THE PROPOSED LIGHTING CIRCUIT C/D CONDUCTORS HAVE BEEN INSTALLED. SEE PROPOSED LIGHTING PLAN E-10 FOR DETAILS.



LTG-05

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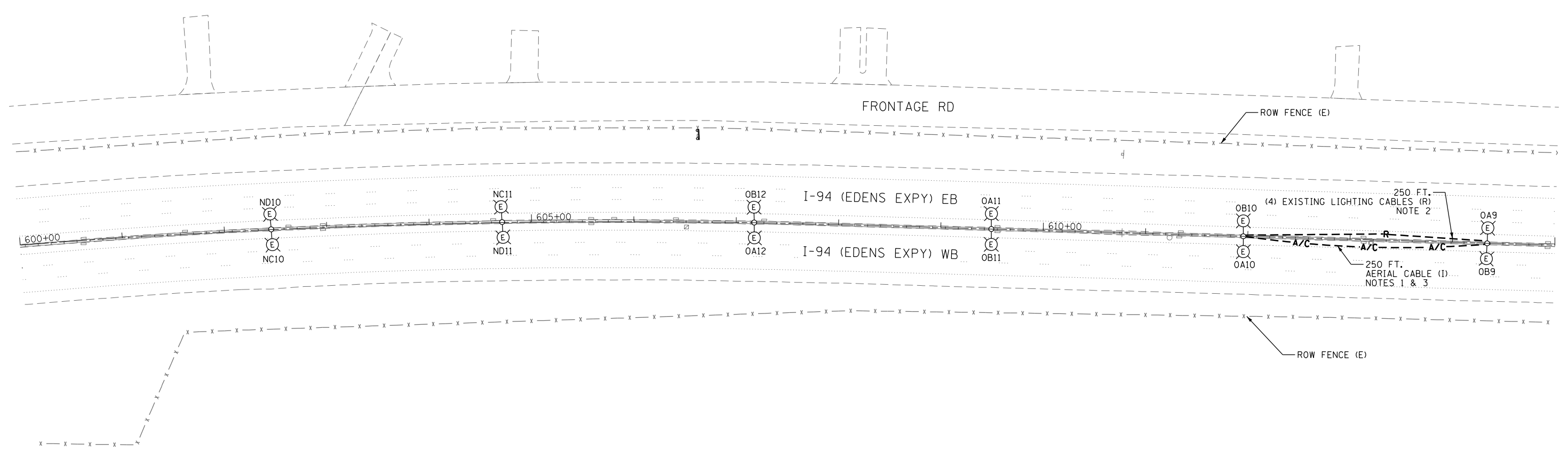


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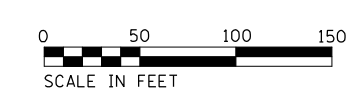
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING AND REMOVAL PLAN
DMS-ED-007 LOCATION
 SCALE: 1" = 50' SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	69
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				



- NOTES:
- INSTALL TEMPORARY AERIAL CABLES FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT OA10/OB10 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT OA9/OB9 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS A/B. THIS WORK SHALL BE PAID FOR BY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE.
 - REMOVE EXISTING MEDIAN LIGHTING CIRCUIT CONDUCTORS FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT OA10/OB10 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT OA9/OB9. THIS WORK SHALL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
 - THE TEMPORARY AERIAL CABLES SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE DMS STRUCTURE, AND ONCE THE PROPOSED LIGHTING CIRCUIT A/B CONDUCTORS HAVE BEEN INSTALLED. SEE PROPOSED LIGHTING PLAN E-11 FOR DETAILS.

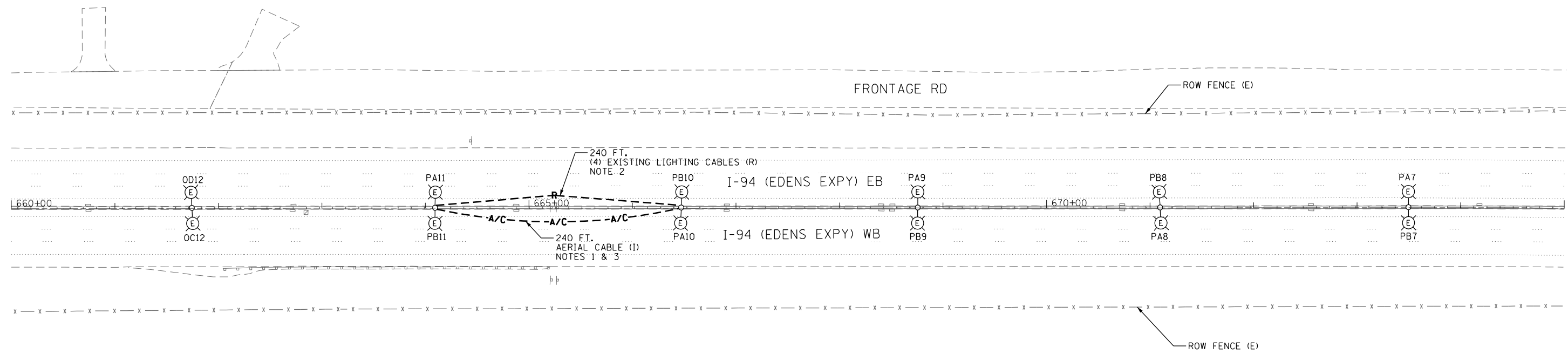
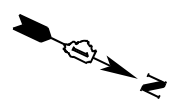


LTG-06

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	PLOT SCALE =	CHECKED - DD	REVISED -			CONTRACT NO. 62079				
	PLOT DATE = 2/27/2020	DATE = 02/28/2020	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 6 OF 14 SHEETS STA. TO STA.



NOTES:

1. INSTALL TEMPORARY AERIAL CABLES FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT PA10/PB10 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT PA11/PB11 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS A/B. THIS WORK SHALL BE PAID FOR BY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE.
2. REMOVE EXISTING MEDIAN LIGHTING CIRCUIT CONDUCTORS FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT PA10/PB10 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT PA11/PB11. THIS WORK SHALL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
3. THE TEMPORARY AERIAL CABLES SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE DMS STRUCTURE, AND ONCE THE PROPOSED LIGHTING CIRCUIT A/B CONDUCTORS HAVE BEEN INSTALLED. SEE PROPOSED LIGHTING PLAN E-12 FOR DETAILS.



LTG-07

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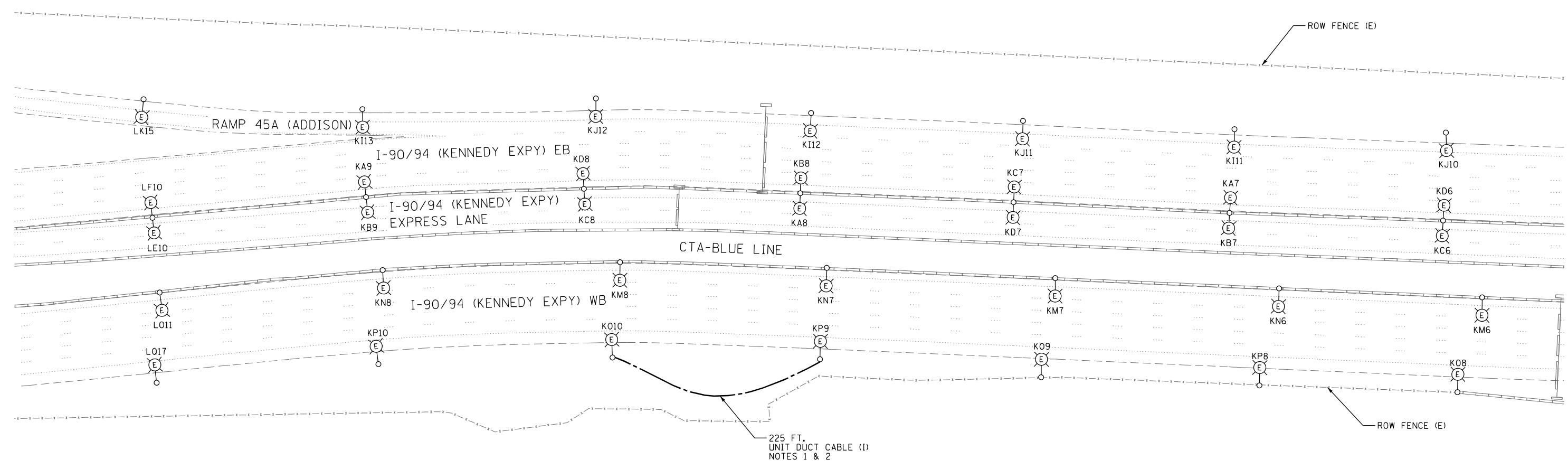
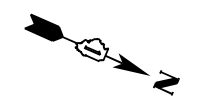
USER NAME = zvoianjj	DESIGNED - KFA	REVISED -
	DRAWN - DU	REVISED -
PLOT SCALE =	CHECKED - DD	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

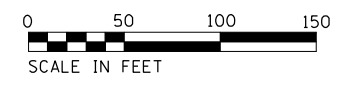
**TEMPORARY LIGHTING AND REMOVAL PLAN
DMS-ED-012 LOCATION**

SCALE: 1" = 50' SHEET 7 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	71
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	



- NOTE:
1. INSTALL PROPOSED UNDERGROUND BRANCH CIRCUIT CABLES FROM EXISTING MEDIAN LIGHTING UNIT KP9 TO LIGHTING UNIT KO10, AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS O/P. THE COST OF CABLE SPLICE, AND FUSE KITS SHALL BE INCIDENTAL TO THE UNIT DUCT CABLE.
 2. INSTALL THE UNDERGROUND LIGHTING CABLES TO AVOID CONFLICT WITH THE FOUNDATION OF THE PROPOSED DMS STRUCTURE, SEE SHEET ITS-07 FOR DETAILS.



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Jacobs

USER NAME = zvolanjj	DESIGNED - KFA	REVISED -
	DRAWN - DU	REVISED -
PLOT SCALE =	CHECKED - DD	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

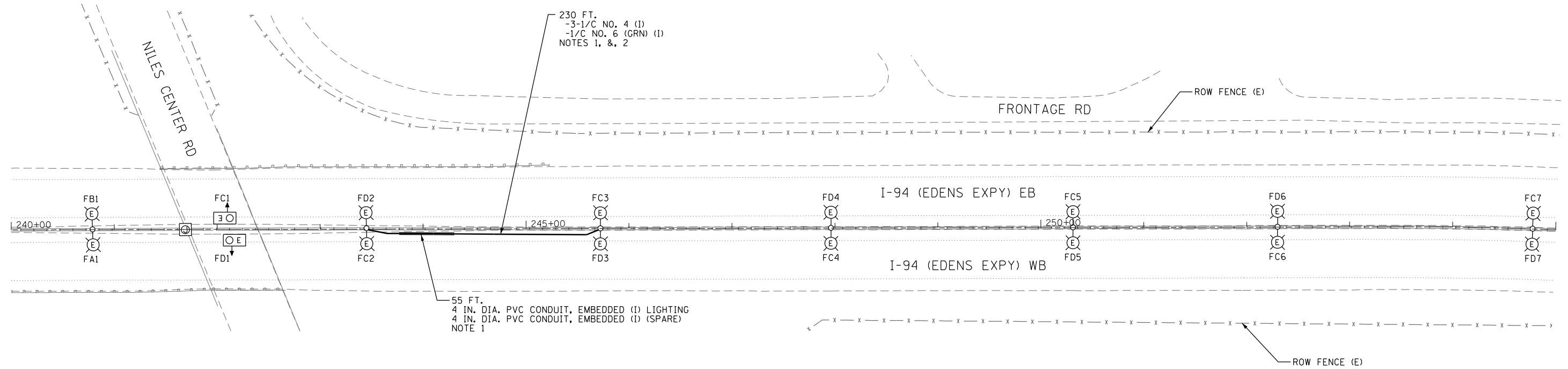
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
DMS-KE-006 LOCATION**

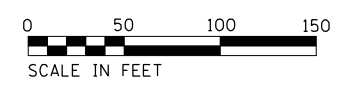
SCALE: 1" = 50' SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	72
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

LTG-08



- NOTE:**
- CONTRACTOR SHALL INSTALL PROPOSED LIGHTING CABLES IN MEDIAN CONDUIT FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT FC2/FD2 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT FC3/FD3 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS C/D. THE COST OF CABLE SPLICE AND FUSE KITS SHALL BE INCIDENTAL TO ELECTRIC CABLE.
 - PROPOSED EMBEDDED CONDUIT SHALL BE INSTALLED TO PROVIDE A CONTINUOUS RACEWAY FROM EXISTING UNITS FC2/FD2 TO FC3/FD3. CONDUIT ADAPTERS SHALL BE INCLUDED IN THE COST OF THE EMBEDDED CONDUIT.

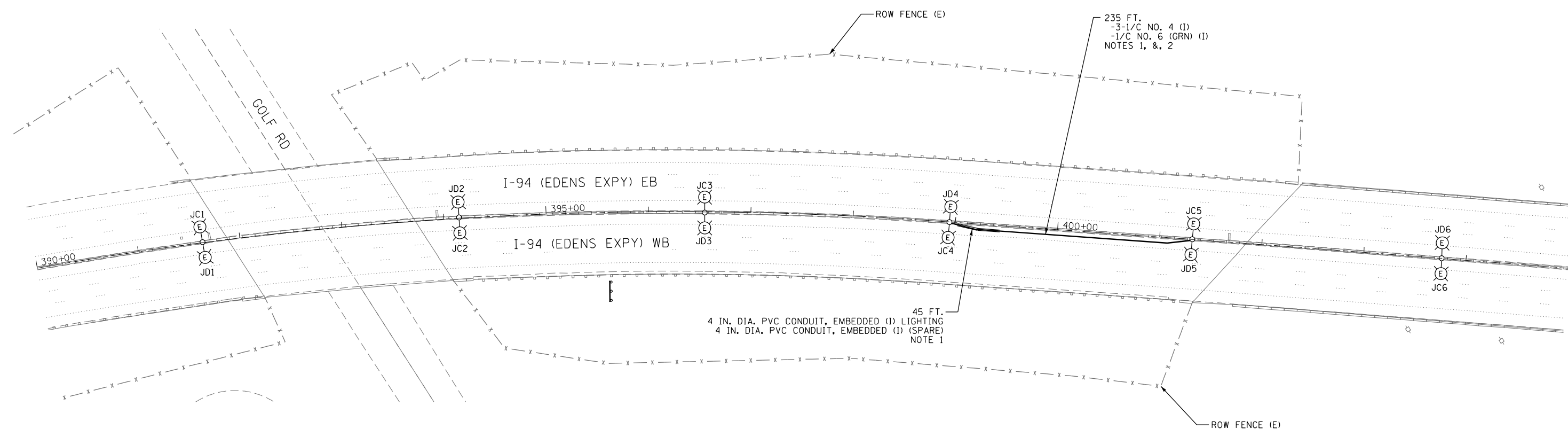
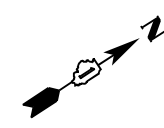


LTG-09

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Jacobs	USER NAME = zvolanjj	DESIGNED - KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN DMS-ED-004 LOCATION	F.A.I. RTE. = 94	SECTION = 2016-068I	COUNTY = COOK/LAKE	TOTAL SHEETS = 388	SHEET NO. = 73
	PLOT SCALE =	CHECKED - DD	REVISED -			CONTRACT NO. 62079				
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 9 OF 14 SHEETS STA. TO STA.

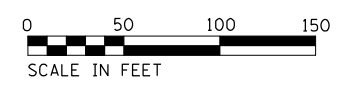


45 FT.
4 IN. DIA. PVC CONDUIT, EMBEDDED (1) LIGHTING
4 IN. DIA. PVC CONDUIT, EMBEDDED (1) (SPARE)
NOTE 1

235 FT.
-3-1/2\"/>

NOTE:

1. INSTALL PROPOSED LIGHTING CABLES IN MEDIAN CONDUIT FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT JC4/JD4 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT JC5/JD5 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS C/D. THE COST OF CABLE SPLICE AND FUSE KITS SHALL BE INCIDENTAL TO ELECTRIC CABLE.
2. PROPOSED EMBEDDED CONDUIT SHALL BE INSTALLED TO PROVIDE A CONTINUOUS RACEWAY FROM EXISTING UNITS JC4/JD4 TO JC5/JD5. CONDUIT ADAPTERS SHALL BE INCLUDED IN THE COST OF THE EMBEDDED CONDUIT.

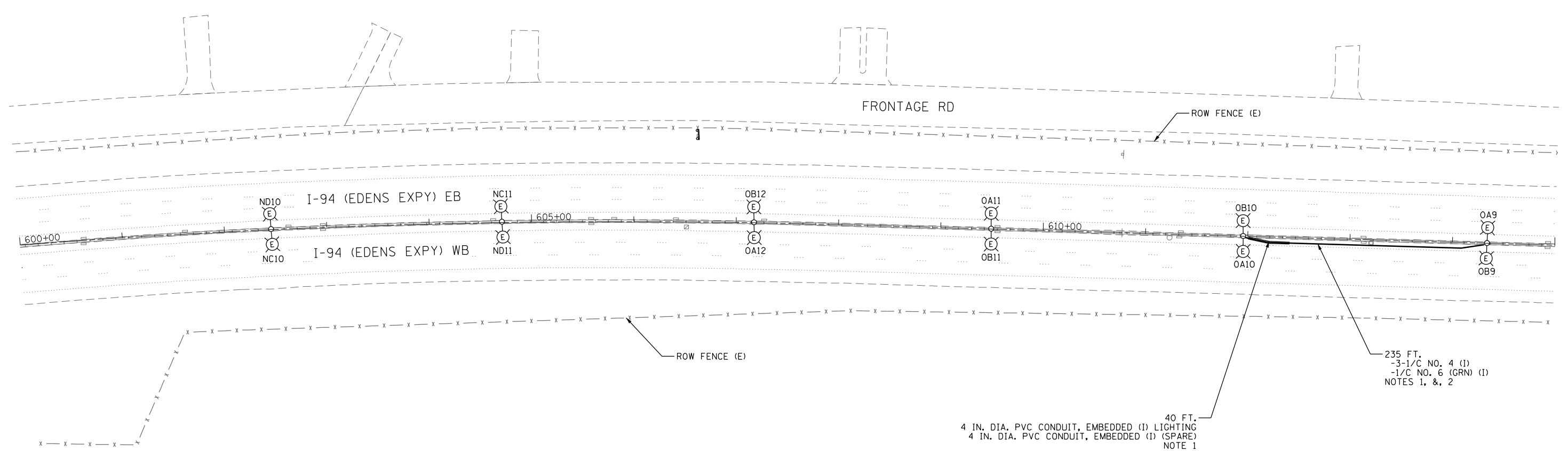


LTG-10

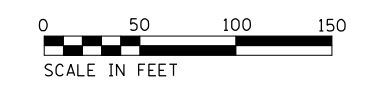
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Jacobs	USER NAME = zvolanjj	DESIGNED - KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN DMS-ED-007 LOCATION	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - DD	REVISED -			94	2016-06BI	COOK/LAKE	388	74
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -			CONTRACT NO. 62079		ILLINOIS FED. AID PROJECT		

SCALE: 1" = 50' SHEET 10 OF 14 SHEETS STA. TO STA.



- NOTES:**
- INSTALL PROPOSED LIGHTING CABLES IN MEDIAN CONDUIT FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT OB10/OA10 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT OA9/OB9 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS A/B. THE COST OF CABLE SPLICE AND FUSE KITS SHALL BE INCIDENTAL TO ELECTRIC CABLE.
 - PROPOSED EMBEDDED CONDUIT SHALL BE INSTALLED TO PROVIDE A CONTINUOUS RACEWAY FROM EXISTING UNITS OB10/OA10 TO OA9/OB9. CONDUIT ADAPTERS SHALL BE INCLUDED IN THE COST OF THE EMBEDDED CONDUIT.



LTG-11

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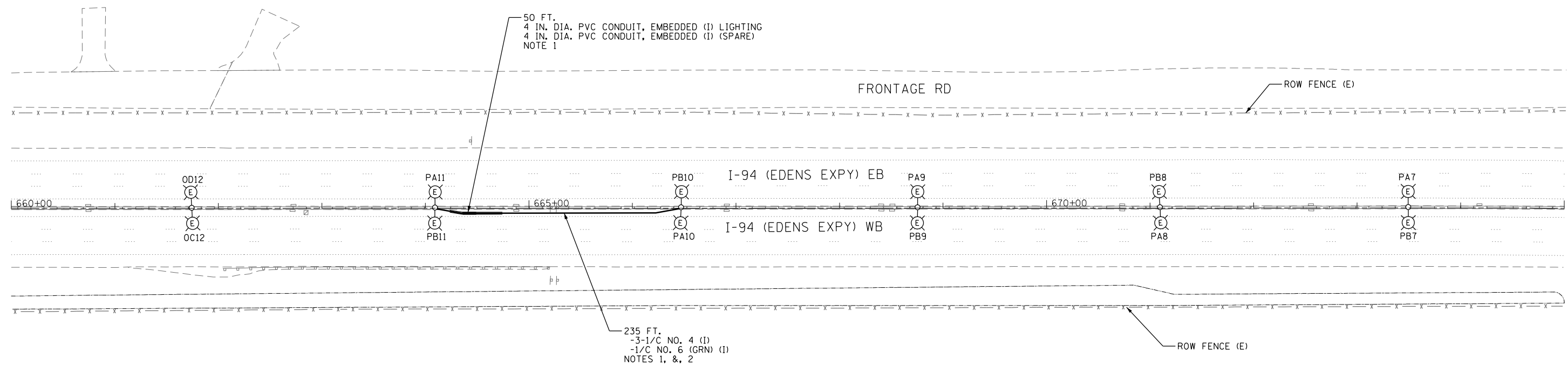
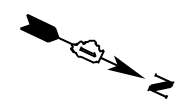
USER NAME = zvolanjj	DESIGNED - KFA	REVISED -
	DRAWN - DU	REVISED -
PLOT SCALE =	CHECKED - DD	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
DMS-ED-011 LOCATION**

SCALE: 1" = 50' SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	75
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

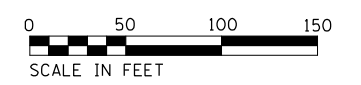


50 FT.
4 IN. DIA. PVC CONDUIT, EMBEDDED (I) LIGHTING
4 IN. DIA. PVC CONDUIT, EMBEDDED (I) (SPARE)
NOTE 1

235 FT.
-3-1/2" NO. 4 (I)
-1" NO. 6 (GRN) (I)
NOTES 1, & 2

NOTES:

1. CONTRACTOR SHALL INSTALL PROPOSED LIGHTING CABLES IN MEDIAN CONDUIT FROM EXISTING MEDIAN MOUNTED LIGHTING UNIT PA9/PB9 TO EXISTING MEDIAN MOUNTED LIGHTING UNIT PA10/PB10 AND MAKE SPLICE CONNECTIONS FOR CONTINUATION OF LIGHTING CIRCUITS A/B. THE COST OF CABLE SPLICE AND FUSE KITS SHALL BE INCIDENTAL TO ELECTRIC CABLE.
2. PROPOSED EMBEDDED CONDUIT SHALL BE INSTALLED TO PROVIDE A CONTINUOUS RACEWAY FROM EXISTING UNITS PA9/PB9 TO PA10/PB10. CONDUIT ADAPTERS SHALL BE INCLUDED IN THE COST OF THE EMBEDDED CONDUIT.

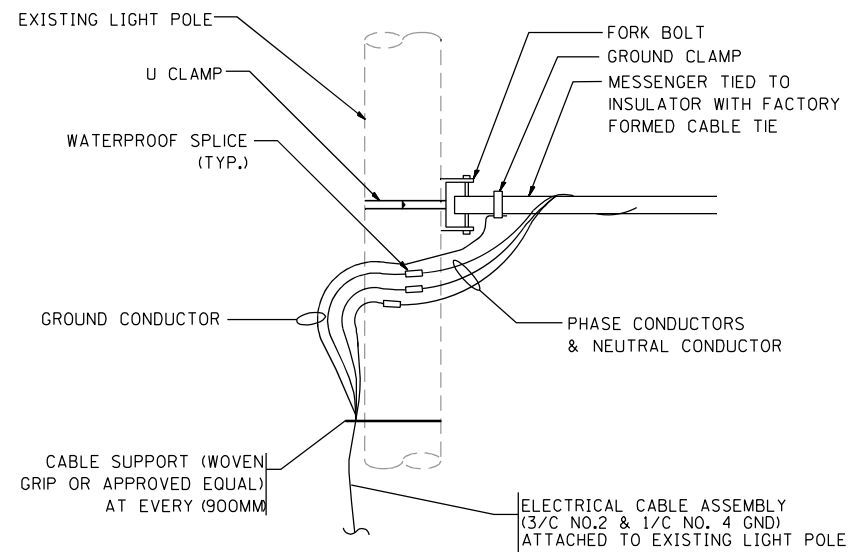


LTG-12

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Jacobs	USER NAME = zvoianjj	DESIGNED - KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN DMS-ED-012 LOCATION	F.A.I. RTE. = 94	SECTION = 2016-068I	COUNTY = COOK/LAKE	TOTAL SHEETS = 388	SHEET NO. = 76
	PLOT SCALE =	CHECKED - DD	REVISED -			CONTRACT NO. 62079				
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -			ILLINOIS FED. AID PROJECT				

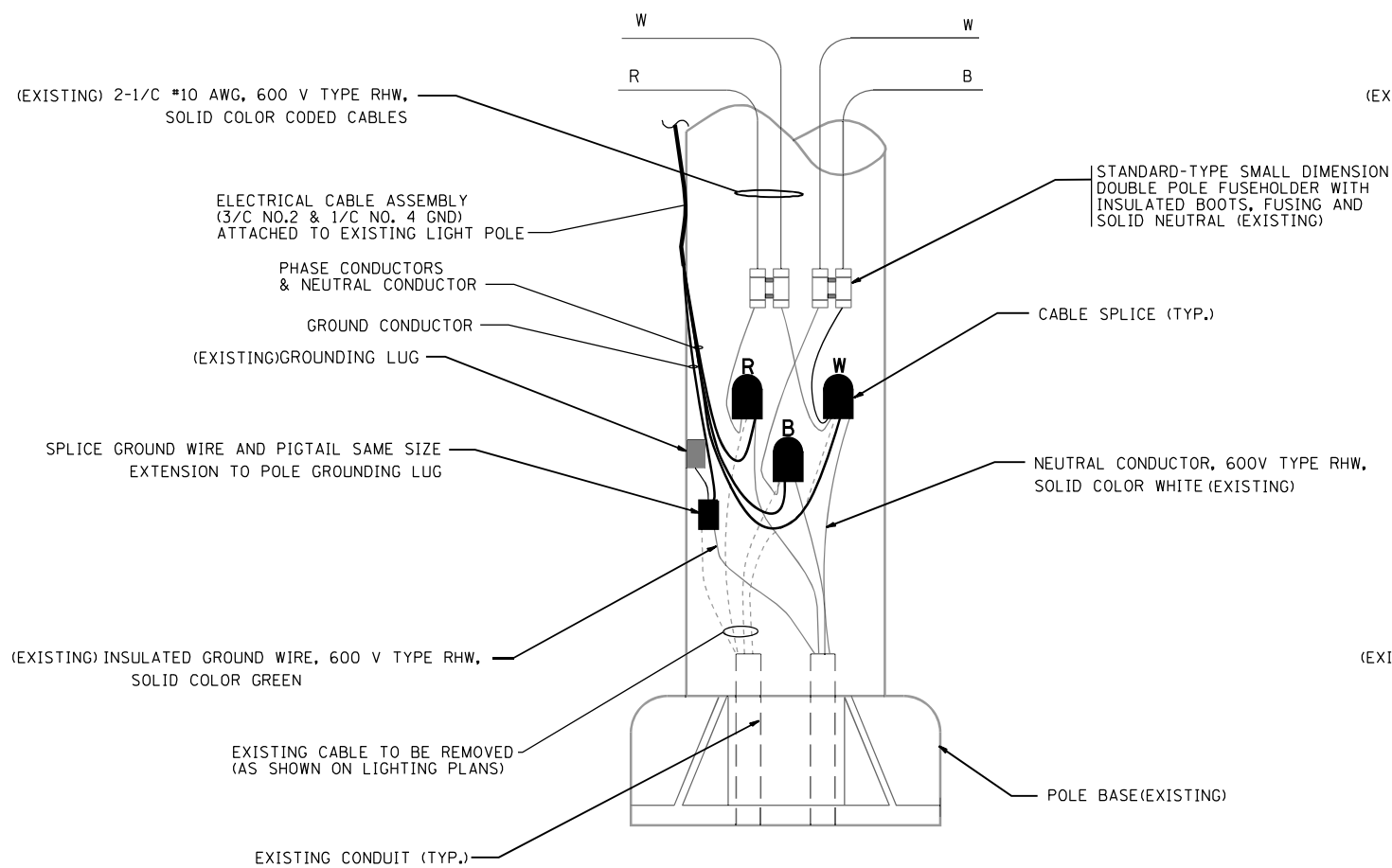
SCALE: 1" = 50' SHEET 12 OF 14 SHEETS STA. TO STA.



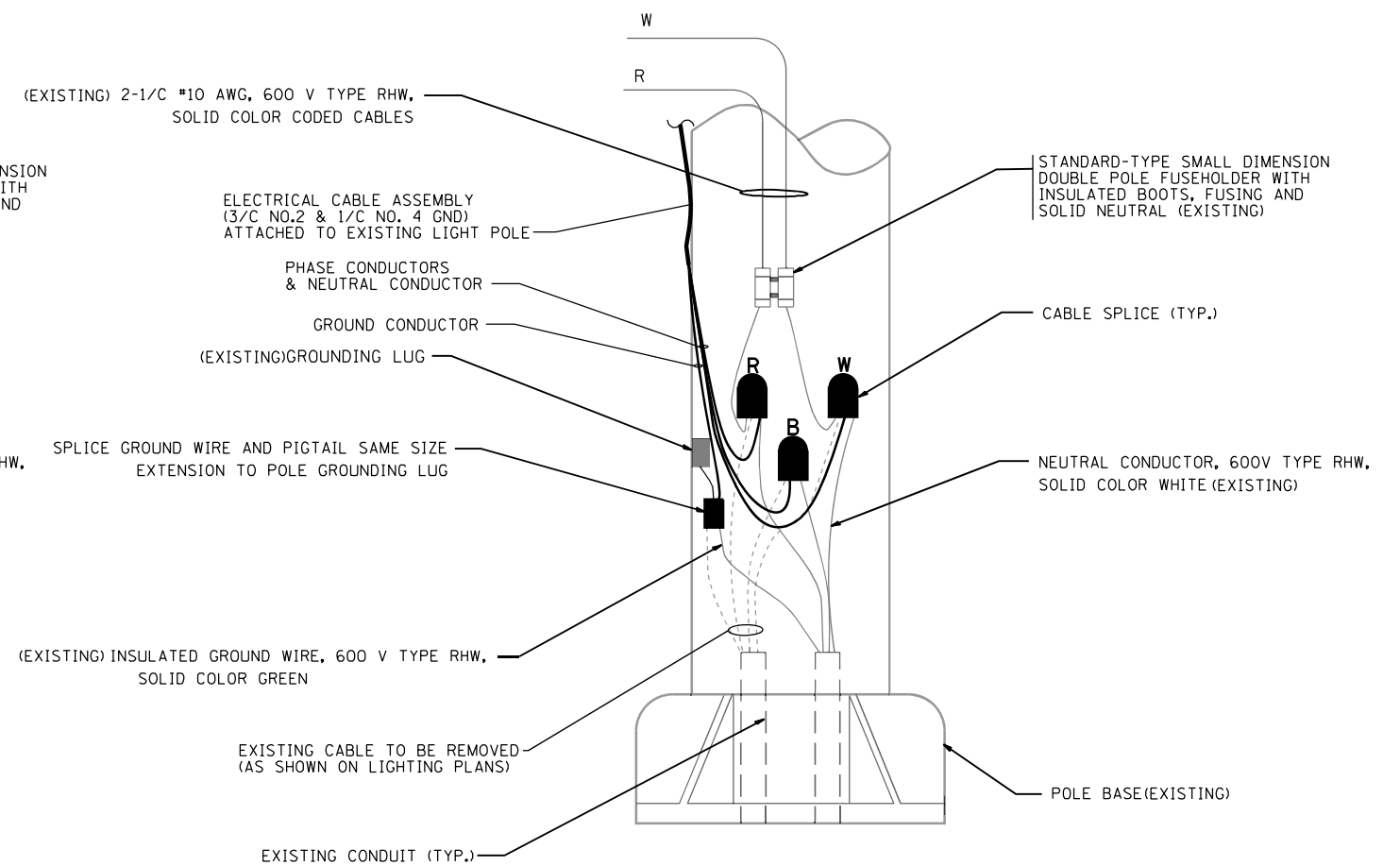
AERIAL CABLE CONNECTION DETAIL
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE TEMPORARY LIGHTING PLAN FOR CABLE, AND ROUTING.
3. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCIDENTAL TO THE UNIT PRICE FOR AERIAL CABLE.



AERIAL CABLE - MEDIAN POLE WIRING DETAIL
NOT TO SCALE



AERIAL CABLE - STANDARD POLE WIRING DETAIL (TYPICAL)
NOT TO SCALE

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USER NAME = zvolanjj	DESIGNED - KFA	REVISED -
DRAWN - DU	REVISIONS -	
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PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

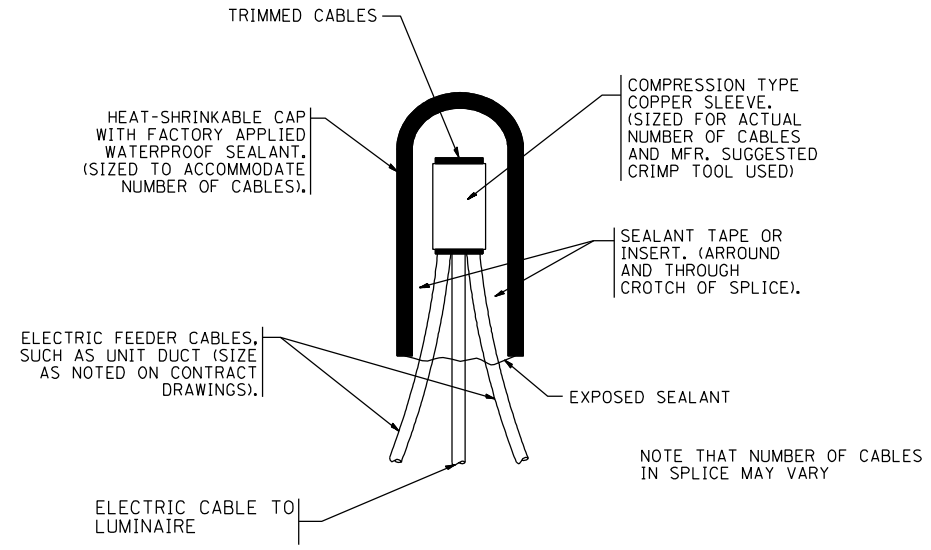
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHT POLE DETAILS

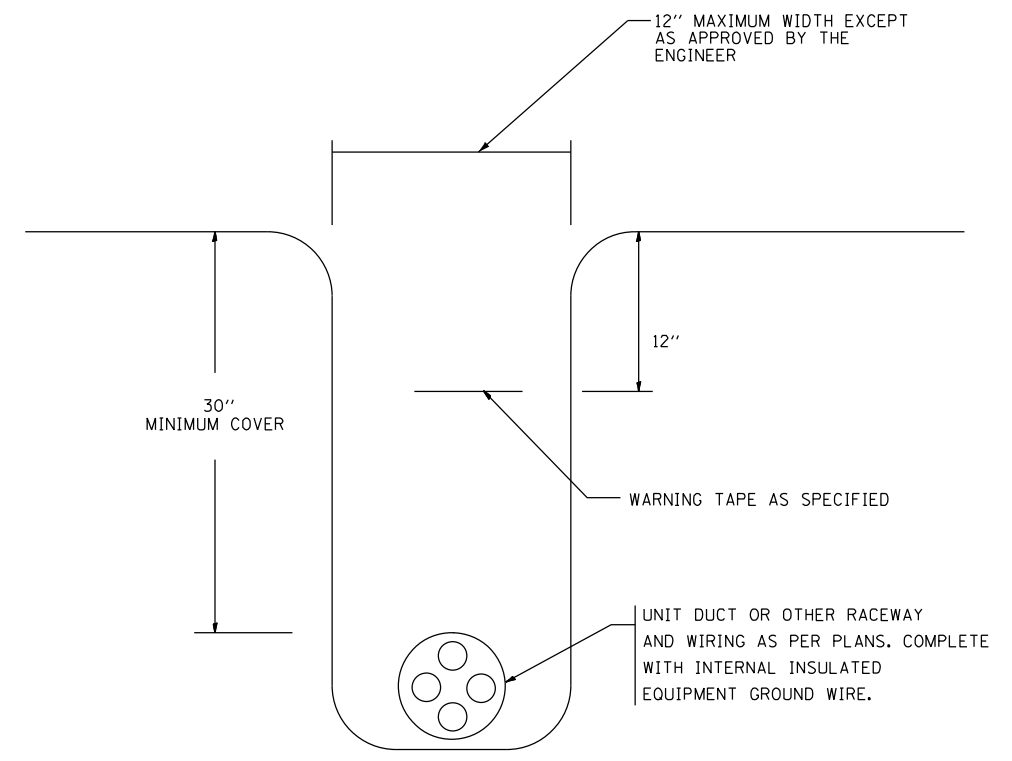
SCALE: NTS SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	77
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

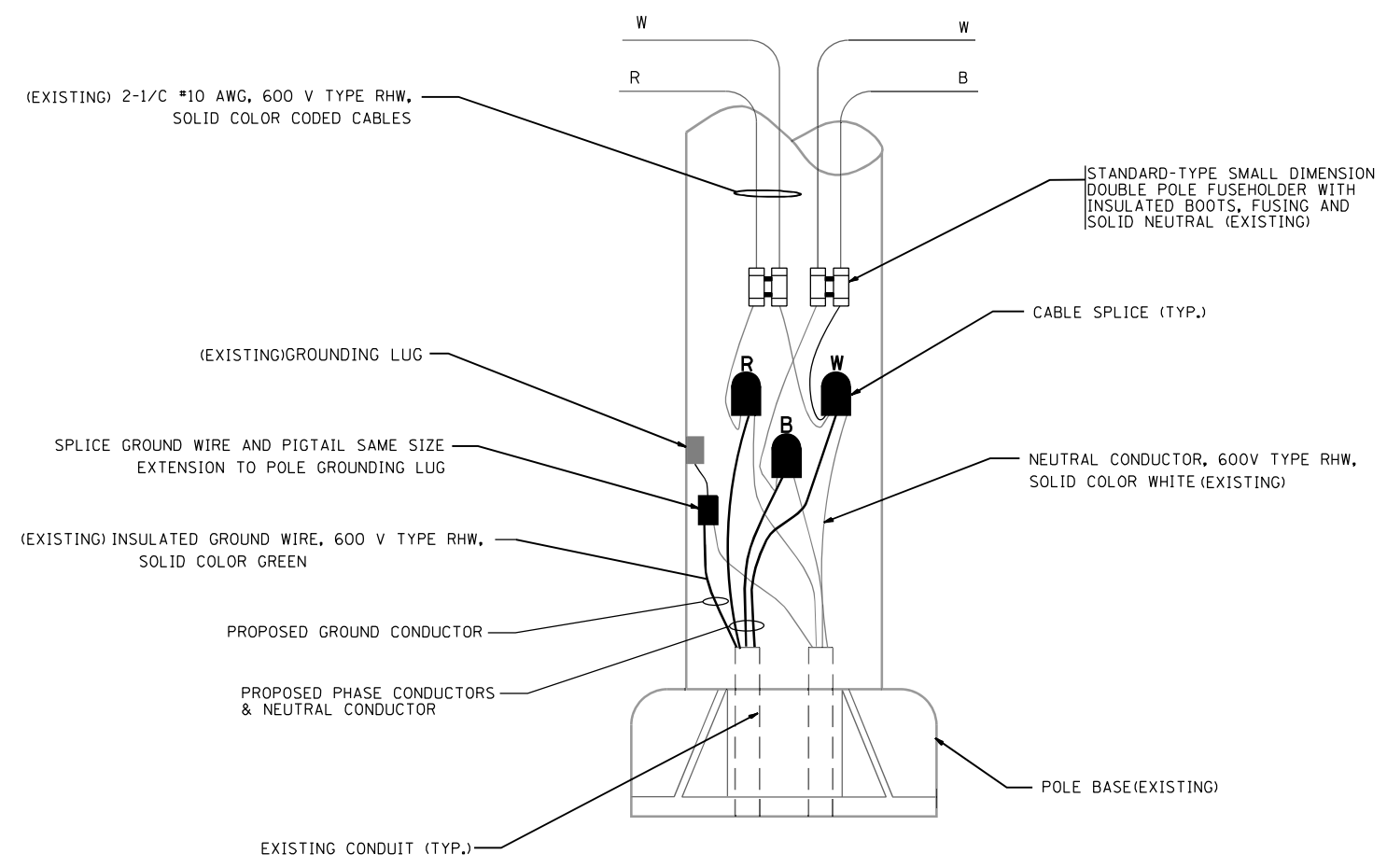
LTG-13



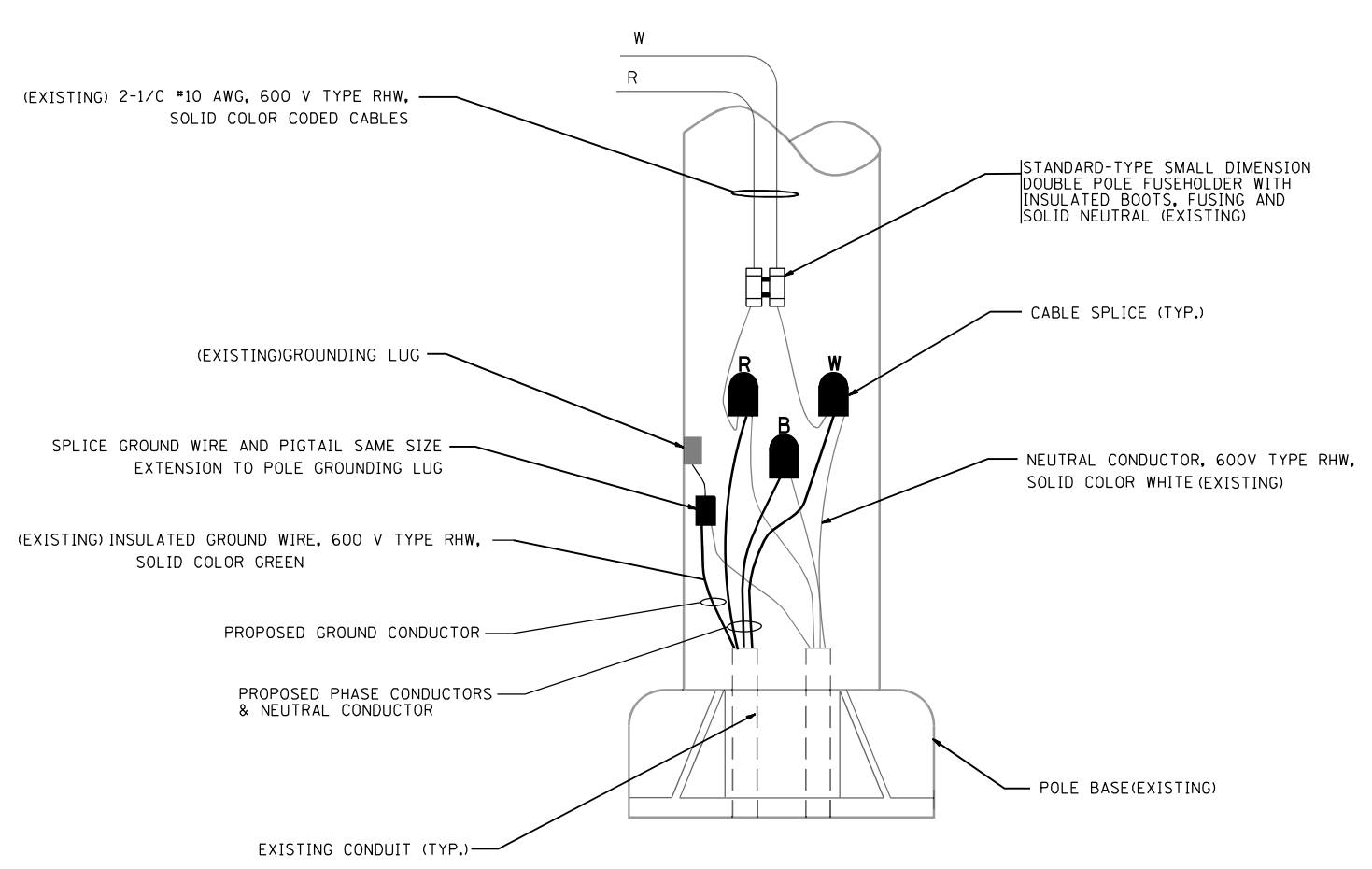
TYPICAL SPLICE DETAIL
NOT TO SCALE



TYPICAL WIRING IN TRENCH DETAIL
NOT TO SCALE



FINAL LIGHTING - MEDIAN POLE WIRING DETAIL (TYPICAL)
NOT TO SCALE



FINAL LIGHTING - STANDARD POLE WIRING DETAIL (TYPICAL)
NOT TO SCALE

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USER NAME = zvoianj	DESIGNED - KFA	REVISED -
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PLOT SCALE =	CHECKED - DD	REVISIONS -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISC. ELECTRICAL DETAILS

SCALE: NTS SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	78
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

LTG-14

ITS GENERAL NOTES

- FIBER OPTIC DISTRIBUTION AND TRUNK CABLES SHALL BE INSTALLED BETWEEN COMMUNICATIONS VAULTS, NODE CABINETS, AND BUILDINGS AS SHOWN ON THE PLANS. FIBER OPTIC DISTRIBUTION AND TRUNK CABLES SHALL ONLY BE INSTALLED THROUGH HEAVY-DUTY COMMUNICATIONS HANDHOLES WHERE PULL POINTS ARE REQUIRED IN SHOULDERS. FIBER OPTIC CABLE SLACK SHALL BE AS FOLLOWS:
 -100 FEET FOR EACH CABLE (144 AND 12 FIBER) IN COMMUNICATIONS VAULTS.
 -50 FEET FOR EACH CABLE (144 AND 12 FIBER) IN HEAVY-DUTY HANDHOLES.
- NO END-TO-END FUSION SPLICES OF THE 144 STRAND FIBER OPTIC TRUNK CABLE SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER. ANY END TO END SPLICES SHALL BE DONE IN A COMMUNICATIONS VAULT. ANY COSTS TO INSTALL ADDITIONAL COMMUNICATIONS VAULTS, SPLICE CLOSURES, AND FIBER SPLICES TO ACCOMMODATE END-TO-END SPLICING SHALL BE AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ELECTRICAL CONDUIT SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE.
- FIBER OPTIC CONDUIT SHALL BE INSTALLED A MINIMUM OF 42" BELOW GRADE.
- CONDUIT CROSSING OVER/UNDER OTHER UTILITIES SHALL MAINTAIN A SEPARATION OF AT LEAST 12 INCHES OR AS SPECIFIED BY OWNING UTILITY. CHICAGO DEPARTMENT OF WATER MANAGEMENT REQUIRES 18 INCHES VERTICAL SEPARATION EDGE TO EDGE.
- PROPOSED CONDUIT ROUTES SHOWN IN THE PLANS ARE SCHEMATIC ONLY. CONTRACTOR TO VERIFY EXACT ROUTE WITH THE ENGINEER.
- ALL ABANDONED CABLES AND CONDUIT SHALL COMPLY WITH NEC REQUIREMENTS.
- PROPOSED FIBER OPTIC DISTRIBUTION CABLE WILL CONNECT PROPOSED CCTV CAMERAS, EXISTING DYNAMIC MESSAGE SIGNS, AND EXISTING PUMP STATIONS AS SHOWN ON THE PLANS. EXISTING SURVEILLANCE, RAMP METER, AND LIGHTING CABINETS WILL REMAIN ON EXISTING COMMUNICATION INFRASTRUCTURE.
- PROPOSED JUNCTION BOXES THROUGH WHICH FIBER OPTIC CABLE IS INSTALLED SHALL BE 42"x36"x12" UNLESS SHOWN OTHERWISE. THE MINIMUM SIZE JUNCTION BOX FOR FIBER OPTIC CABLE OR ELECTRICAL CABLES SHALL BE 24"x24"x8".
- ALL ITS POLES THAT ARE PLACED BEHIND GUARDRAIL SHALL BE PLACED A MINIMUM OF 5 FEET FROM BACK OF GUARDRAIL POST.
- "GROUND-MOUNTED CABINET" SHOWN ON PLANS SHALL CONSIST OF THE FOLLOWING ITEMS:
 - CABINET, MODEL 334
 - CONCRETE FOUNDATION, SURVEILLANCE CABINET, MODEL 334

ITS 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
GSC	GALVANIZED STEEL CONDUIT (RIGID)
HD	HIGH DEFINITION
HDHH	HEAVY-DUTY HANDHOLE
HH	HANDHOLE
(I)	INSTALL
IN.	INCHES
IP	INTERNET PROTOCOL
ITS	INTELLIGENT TRANSPORTATION SYSTEMS
ISTHA	ILLINOIS STATE TOLL HIGHWAY AUTHORITY
LCDOT	LAKE COUNTY DIVISION OF TRANSPORTATION
LCF	LATER CABLE FIBER (ASSET IDENTIFICATION TAG)
LED	LIGHT-EMITTING DIODE
LT	LEFT
MM	MULTIMODE
MOT	MAINTENANCE OF TRAFFIC
NEC	NATIONAL ELECTRICAL CODE
NB	NORTHBOUND
PGSC	PVC COATED GALVANIZED STEEL CONDUIT
PTZ	PAN TILT ZOOM CAMERA
(R)	REMOVE
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

ITS PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		CONDUIT
		RIGHT-OF-WAY FENCE
		FIBER OPTIC CABLE IN CONDUIT
		ELECTRICAL CABLE IN CONDUIT
		CCTV CAMERA CABLES IN CONDUIT
		LOOP DETECTOR LEAD-IN CABLE IN CONDUIT (EMPTY)
		BARRIER WALL EMBEDDED JUNCTION BOX
		STRUCTURE-MOUNTED JUNCTION BOX
		HEAVY-DUTY HANDHOLE (COMMUNICATIONS)
		HEAVY-DUTY HANDHOLE (ELECTRICAL)
		HEAVY-DUTY HANDHOLE (MIXED USE)
		COMMUNICATIONS VAULT
		INDUCTION LOOP
		RAMP METER SIGNAL ASSEMBLY OR FLASHER ASSEMBLY
		DYNAMIC MESSAGE SIGN
		CCTV CAMERA, FIXED
		CCTV CAMERA, PTZ
		50' CCTV CAMERA POLE
		80' CCTV CAMERA POLE
		POLE-MOUNTED CABINET
		GROUND-MOUNTED CABINET
		LIGHTING CONTROLLER CABINET
		UTILITY SERVICE POLE
		POLE-MOUNTED COMED TRANSFORMER
		GROUND MOUNTED COMED TRANSFORMER
		UTILITY SERVICE METER

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	USER NAME = zvolanjj	DESIGNED - JJZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - CRH	REVISED -			94	2016-0681	COOK/LAKE	388	79
	PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -		SCALE: NTS SHEET 1 OF 82 SHEETS STA. TO STA.	CONTRACT NO. 62079		ILLINOIS FED. AID PROJECT		

SITE NO.	ROUTE	DIRECTION	STATION	OFFSET	DEVICE DESIGNATION	DEVICE TYPE	LOWERING DEVICE	DEVICE STATUS	MOUNTING HEIGHT	POLE/STRUCTURE TYPE	POLE STATUS
01	I-94	WB	41*56'58.25"	87*43'20.92"	DMS-KE-006	DMS	N/A	INSTALL	SEE NOTE 2	CANTILEVER	N/A
02	I-94	WB	26+42	70' RT	CCTV-ED-000	PTZ CCTV CAM.	REMOVE AND REPLACE	REMOVE AND REPLACE	SEE NOTE 1	150' MONOPOLE RADIO TOWER	EXISTING TO REMAIN
03	I-94	WB	41+06	78' RT	CCTV-ED-000A	PTZ CCTV CAM.		INSTALL	20'	80' G.S.	EXISTING TO REMAIN
						FIXED CCTV CAM.		EXISTING TO REMAIN	45'		
						PTZ CCTV CAM.	EXISTING TO REMAIN	EXISTING TO REMAIN	80'		
04	I-94	EB	58+74	67' LT	CCTV-ED-000B	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
05	I-94	WB	71+84	237' RT	CCTV-ED-000C	PTZ CCTV CAM.	REMOVE AND REPLACE	REMOVE AND REPLACE	SEE NOTE 1	250' LATTICE RADIO TOWER	EXISTING TO REMAIN
06	I-94	WB	86+02	74' RT	CCTV-ED-001	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
07	I-94	EB	97+34	70' LT	CCTV-ED-001A	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
08	I-94	EB	113+96	72' LT	CCTV-ED-001B	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
09	I-94	EB	127+10	121' LT	CCTV-ED-002	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
10	I-94	WB	152+54	69' RT	CCTV-ED-002A	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
11	I-94	WB	168+74	95' RT	CCTV-ED-002B	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
12	I-94	WB	187+53	99' RT	CCTV-ED-003	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
13	I-94	WB	206+59	374' RT	CCTV-ED-003A	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
14	I-94	EB	244+00	0' LT	DMS-ED-004	DMS	N/A	REMOVE AND REPLACE	SEE NOTE 2	OVERHEAD SPAN	N/A
15	I-94	EB	248+19	88' LT	CCTV-ED-004	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
16	I-94	EB	269+33	89' LT	CCTV-ED-004A	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
17	I-94	EB	287+77	104' LT	CCTV-ED-005	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
18	I-94	EB	312+09	98' LT	CCTV-ED-005A	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
19	I-94	WB	341+90	110' RT	CCTV-ED-006	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
					CCTV-ED-006A	PTZ CCTV CAM.	INSTALL	INSTALL	20'		
20	I-94	EB	371+45	98' LT	CCTV-ED-006B	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
21	I-94	EB	391+00	86' LT	CCTV-ED-007	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
22	I-94	EB	399+23	0' LT	DMS-ED-007	DMS	N/A	INSTALL	SEE NOTE 2	OVERHEAD SPAN	N/A
23	I-94	EB	426+32	103' LT	CCTV-ED-007A	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
24	I-94	WB	444+32	65' RT	CCTV-ED-008	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
25	I-94	EB	461+38	81' LT	CCTV-ED-008A	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
26	I-94	EB	487+82	95' LT	CCTV-ED-008B	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
27	I-94	WB	508+97	140' RT	CCTV-ED-009	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
28	I-94	EB	540+07	90' LT	CCTV-ED-009A	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
29	I-94	WB	573+16	91' RT	CCTV-ED-010	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
					CCTV-ED-010A	PTZ CCTV CAM.	INSTALL	INSTALL	20'		
30	I-94	EB	607+21	86' LT	CCTV-ED-011	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
31	I-94	EB	612+20	0' LT	DMS-ED-011	DMS	N/A	REMOVE AND REPLACE	SEE NOTE 2	OVERHEAD SPAN	N/A
32	I-94	EB	634+14	119' LT	CCTV-ED-011A	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
33	I-94	WB	664+50	0' RT	DMS-ED-012	DMS	N/A	REMOVE AND REPLACE	SEE NOTE 2	OVERHEAD SPAN	N/A
34	I-94	EB	682+01	91' LT	CCTV-ED-012	PTZ CCTV CAM.	INSTALL	INSTALL	50'	50' G.S.	INSTALL
35	I-94	WB	699+64	65' RT	CCTV-ED-012A	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
36	I-94	EB	717+34	91' LT	CCTV-ED-013	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
37	I-94	WB	747+54	109' RT	CCTV-ED-013A	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
38	US 41	NB	776+96	98' RT	CCTV-ED-014	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
39	US 41	SB	811+30	121' LT	CCTV-ED-014A	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
40	US 41	NB	894+79	103' RT	CCTV-ED-016	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
41	US 41	SB	932+83	92' LT	CCTV-ED-017	PTZ CCTV CAM.	INSTALL	INSTALL	80'	80' G.S.	INSTALL
42	US 41	NB	1355+00	56' RT	DMS-ED-020	DMS	N/A	INSTALL	SEE NOTE 2	CANTILEVER	INSTALL
43	US 41	NB	1335+50	56' RT	CCTV-ED-020	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL
44	US 41	SB	1455+83	57' LT	DMS-ED-021	DMS	N/A	INSTALL	SEE NOTE 2	CANTILEVER	INSTALL
45	US 41	SB	1456+85	57' LT	CCTV-ED-021	PTZ CCTV CAM.		INSTALL	50'	50' ALUM.	INSTALL

- NOTES:
1. MOUNTING HEIGHT OF EXISTING TOWER CAMERAS TO BE FIELD VERIFIED. ANTICIPATED HEIGHT: SITE 2 - 60'
SITE 5 - 90'
 2. DMS TO BE MOUNTED A MINIMUM OF 17.5' ABOVE ROADWAY.

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USER NAME = zvoianj
 PLOT SCALE =
 PLOT DATE = 2/27/2020

DESIGNED - JJZ
 DRAWN - DU
 CHECKED - CRH
 DATE - 02/28/2020

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

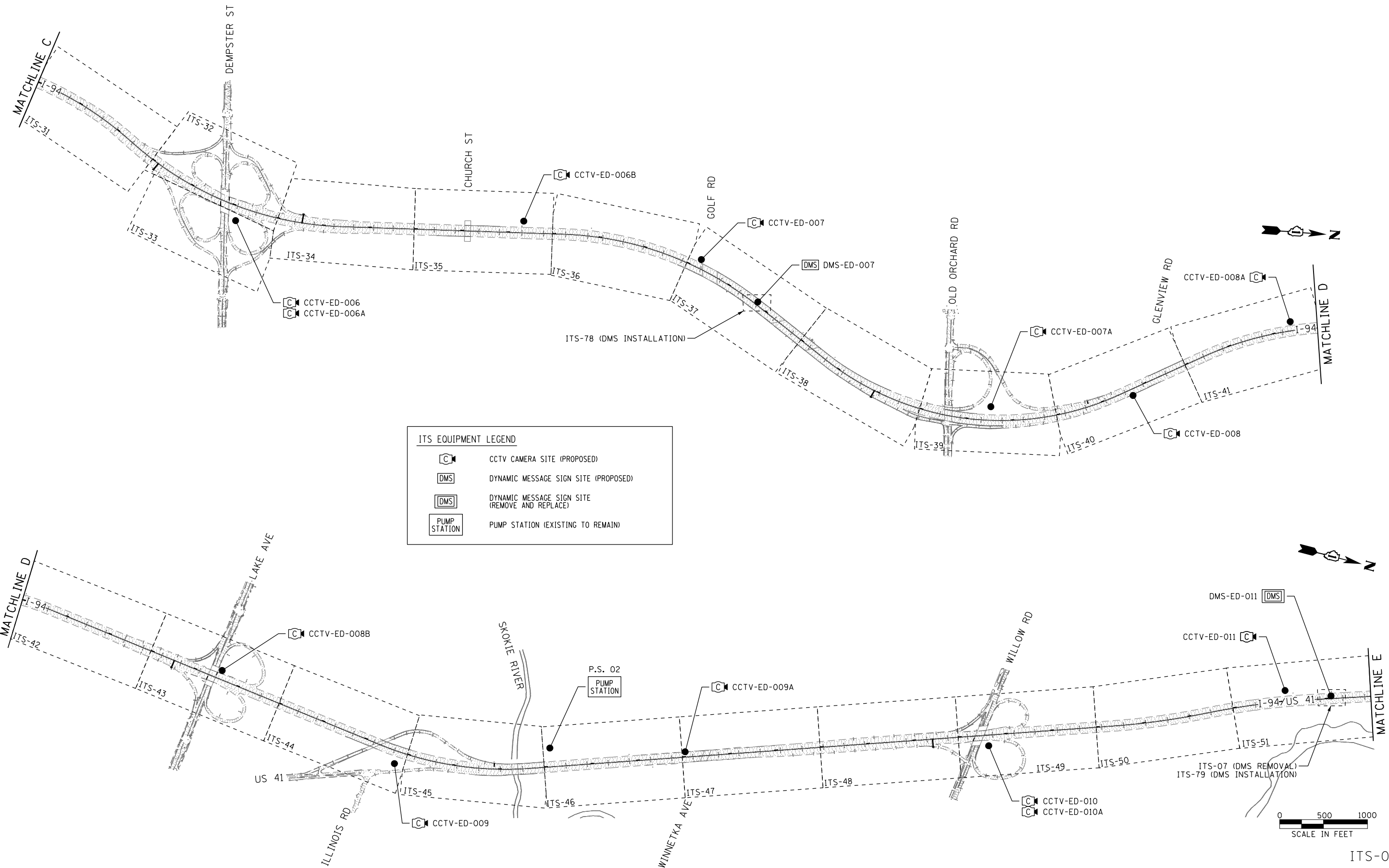
**INTELLIGENT TRANSPORTATION SYSTEMS
 DEVICE SCHEDULE**

SCALE: SHEET 2 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	80
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

ITS-02

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ITS EQUIPMENT LEGEND	
	CCTV CAMERA SITE (PROPOSED)
	DYNAMIC MESSAGE SIGN SITE (PROPOSED)
	DYNAMIC MESSAGE SIGN SITE (REMOVE AND REPLACE)
	PUMP STATION (EXISTING TO REMAIN)



USER NAME = zvolanjj	DESIGNED - JJZ	REVISED -
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PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

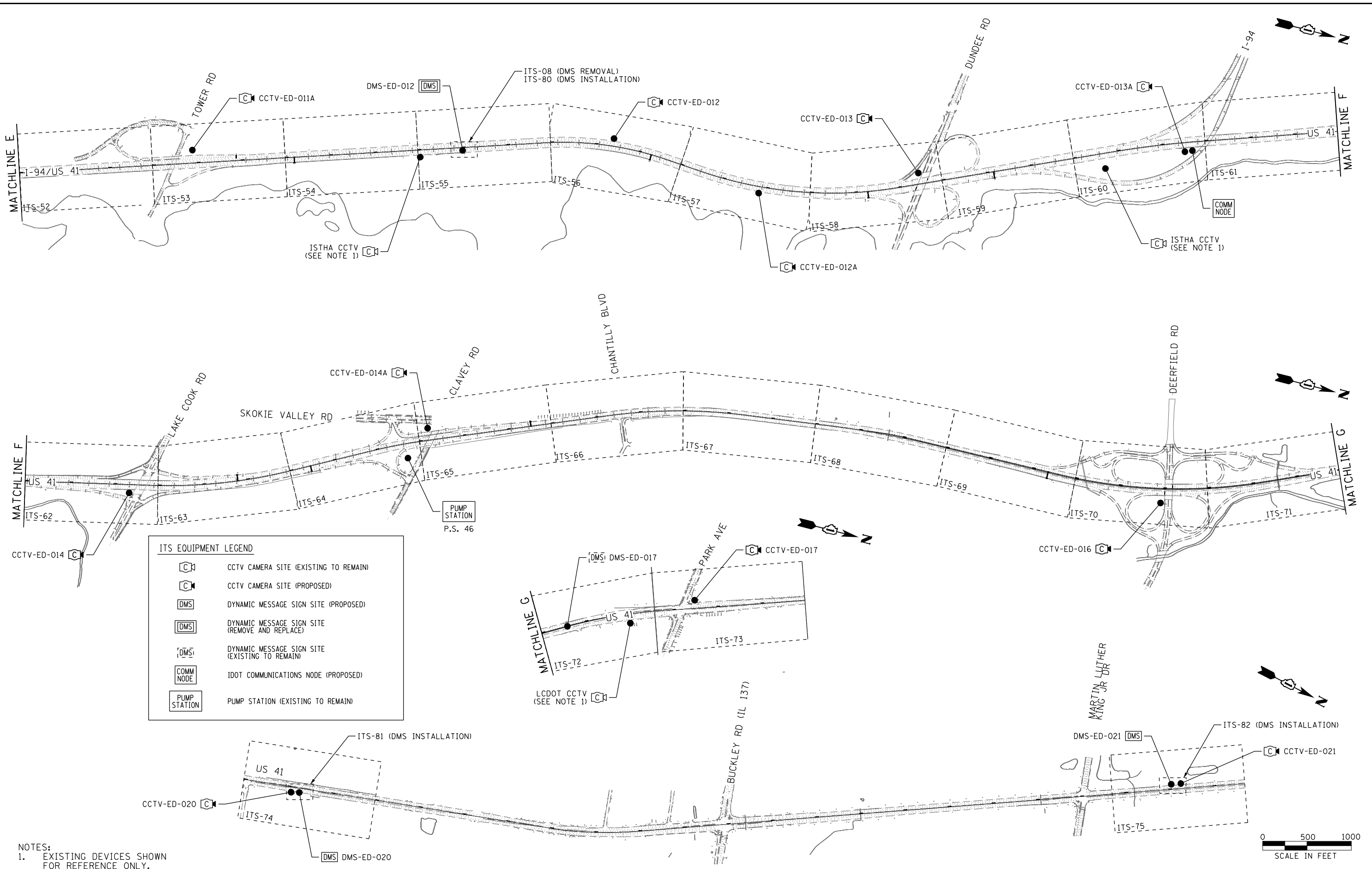
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
SHEET LAYOUT MAP**

SCALE: 1" = 500' SHEET 4 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	82
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-04



ITS EQUIPMENT LEGEND

	CCTV CAMERA SITE (EXISTING TO REMAIN)
	CCTV CAMERA SITE (PROPOSED)
	DYNAMIC MESSAGE SIGN SITE (PROPOSED)
	DYNAMIC MESSAGE SIGN SITE (REMOVE AND REPLACE)
	DYNAMIC MESSAGE SIGN SITE (EXISTING TO REMAIN)
	IDOT COMMUNICATIONS NODE (PROPOSED)
	PUMP STATION (EXISTING TO REMAIN)

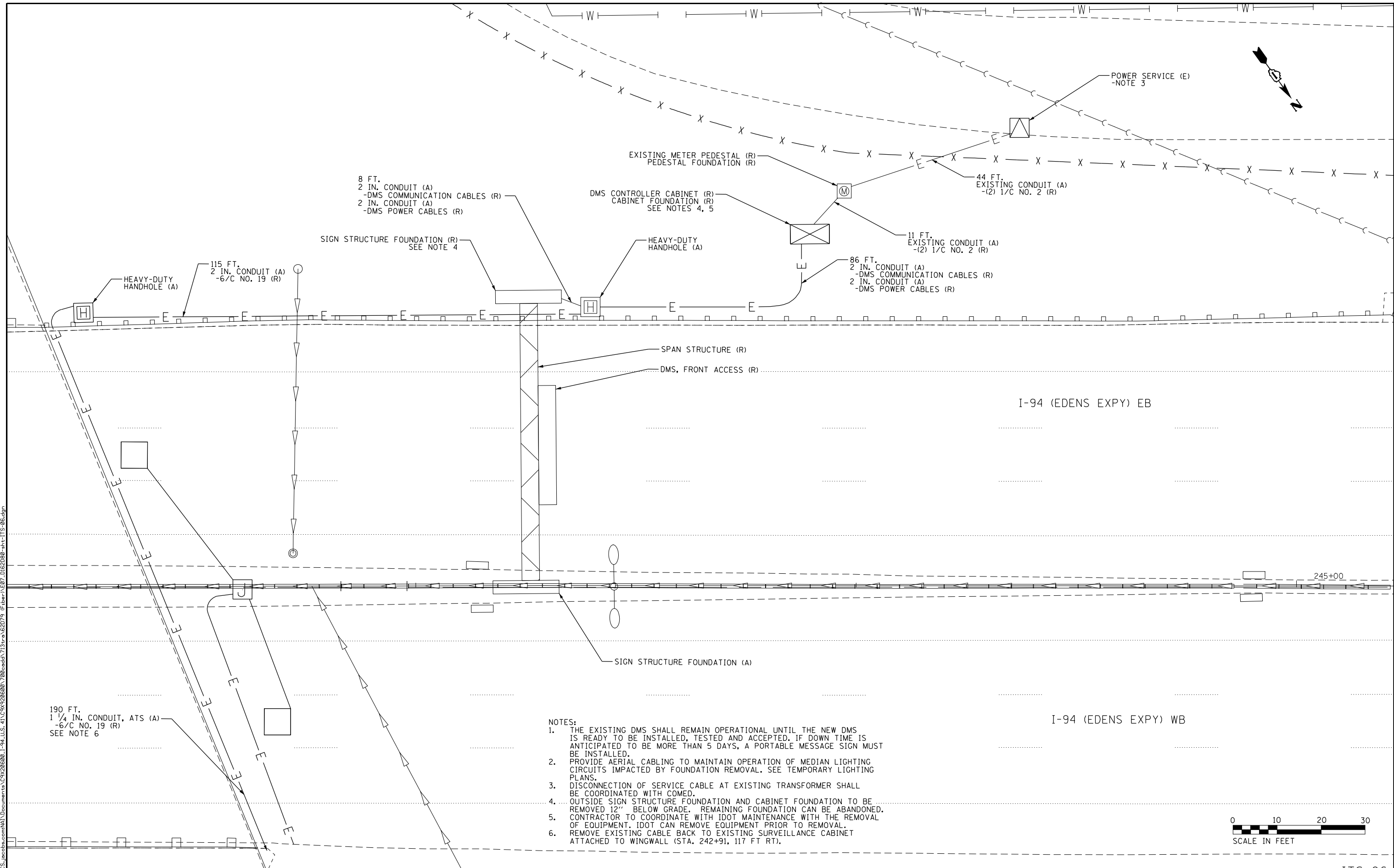
NOTES:
 1. EXISTING DEVICES SHOWN FOR REFERENCE ONLY.



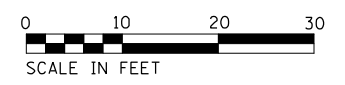
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Jacobs	USER NAME = zvoianj	DESIGNED - JJZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTELLIGENT TRANSPORTATION SYSTEMS SHEET LAYOUT MAP	F.A.I. RTE. = 94	SECTION = 2016-068I	COUNTY = COOK/LAKE	TOTAL SHEETS = 388	SHEET NO. = 83
	PLOT SCALE =	CHECKED - CRH	REVISED -			SCALE: 1" = 500'	SHEET 5 OF 82 SHEETS STA.	TO STA.	CONTRACT NO. 62079	
	PLOT DATE = 2/27/2020	DATE = 02/28/2020	REVISED -							

ITS-05



- NOTES:
1. THE EXISTING DMS SHALL REMAIN OPERATIONAL UNTIL THE NEW DMS IS READY TO BE INSTALLED, TESTED AND ACCEPTED. IF DOWN TIME IS ANTICIPATED TO BE MORE THAN 5 DAYS, A PORTABLE MESSAGE SIGN MUST BE INSTALLED.
 2. PROVIDE AERIAL CABLING TO MAINTAIN OPERATION OF MEDIAN LIGHTING CIRCUITS IMPACTED BY FOUNDATION REMOVAL. SEE TEMPORARY LIGHTING PLANS.
 3. DISCONNECTION OF SERVICE CABLE AT EXISTING TRANSFORMER SHALL BE COORDINATED WITH COMED.
 4. OUTSIDE SIGN STRUCTURE FOUNDATION AND CABINET FOUNDATION TO BE REMOVED 12" BELOW GRADE. REMAINING FOUNDATION CAN BE ABANDONED.
 5. CONTRACTOR TO COORDINATE WITH IDOT MAINTENANCE WITH THE REMOVAL OF EQUIPMENT. IDOT CAN REMOVE EQUIPMENT PRIOR TO REMOVAL.
 6. REMOVE EXISTING CABLE BACK TO EXISTING SURVEILLANCE CABINET ATTACHED TO WINGWALL (STA. 242+91, 117 FT RT).



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PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

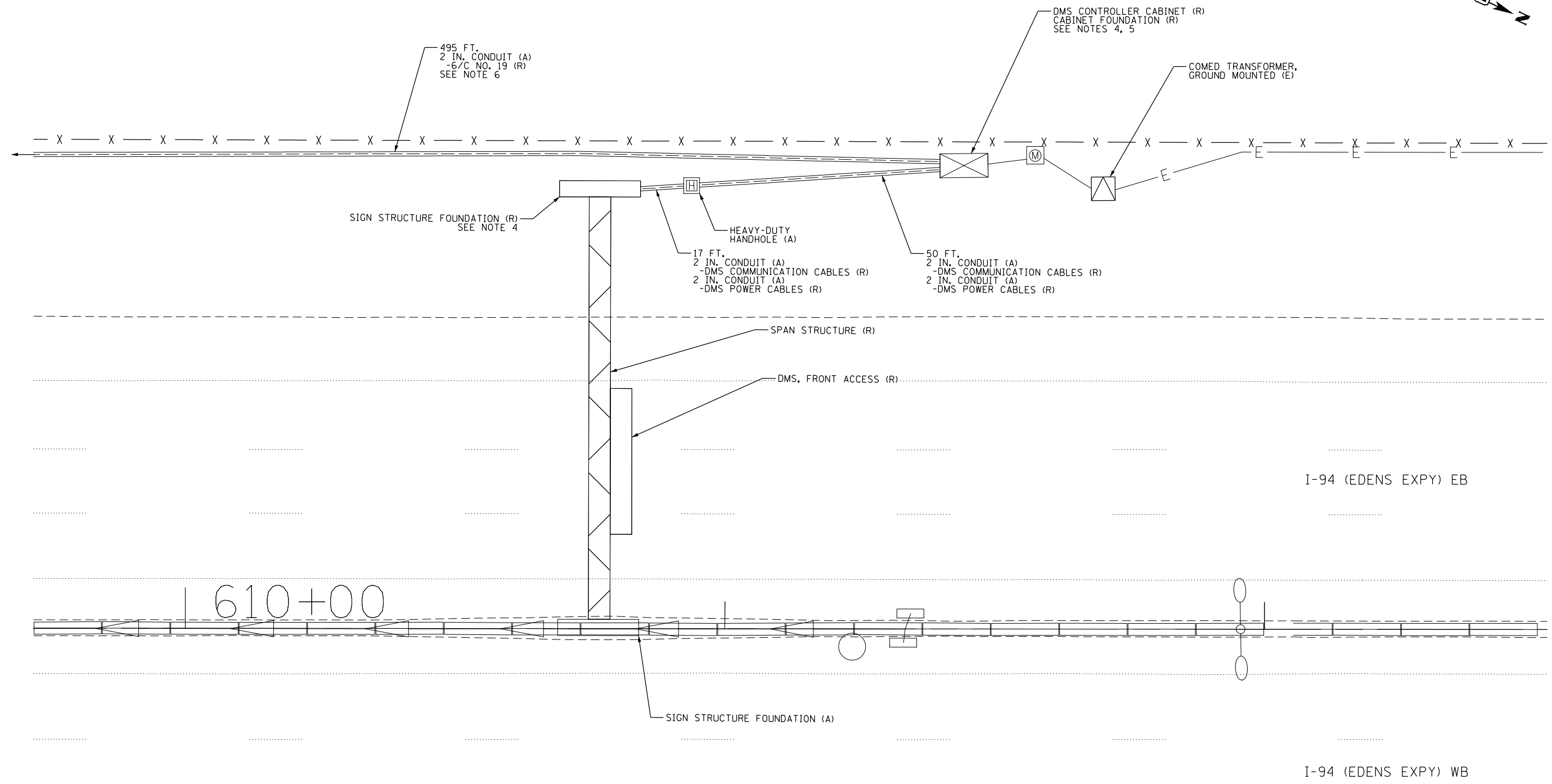
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILED DMS REMOVAL PLAN
I-94 EB NORTH OF TOUHY AVENUE**

SCALE: 1" = 10' SHEET 6 OF 82 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-94	2016-0681	COOK/LAKE	388	84
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-06



- NOTES:**
1. THE EXISTING DMS SHALL REMAIN OPERATIONAL UNTIL THE NEW DMS IS READY TO BE INSTALLED, TESTED, AND ACCEPTED. IF DOWNTIME IS ANTICIPATED TO BE MORE THAN 5 DAYS, A PORTABLE MESSAGE SIGN IS REQUIRED.
 2. DISCONNECTION OF SERVICE CABLE AT EXISTING TRANSFORMER SHALL BE COORDINATED WITH COMED.
 3. OUTSIDE SIGN STRUCTURE FOUNDATIONS AND CABINET FOUNDATIONS TO BE REMOVED 12" BELOW GRADE. ALL REMAINING FOUNDATIONS CAN BE ABANDONED.
 4. FOR MEDIAN WALL REMOVAL AND REPLACEMENT SEE SHEET CIV-03.
 5. CONTRACTOR TO COORDINATE THE REMOVAL OF DMS EQUIPMENT WITH IDOT MAINTENANCE 72 HOURS BEFORE REMOVAL. OPPORTUNITY SHALL BE GIVEN FOR IDOT TO REMOVAL AND OBTAIN EQUIPMENT STATED TO BE REMOVED.
 6. REMOVE EXISTING CABLE BACK TO EXISTING SURVEILLANCE CABINET 042 AT STA. 606+51, 86 FT LT.



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PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILED DMS REMOVAL PLAN
I-94 EB NORTH OF LAKE AVENUE**

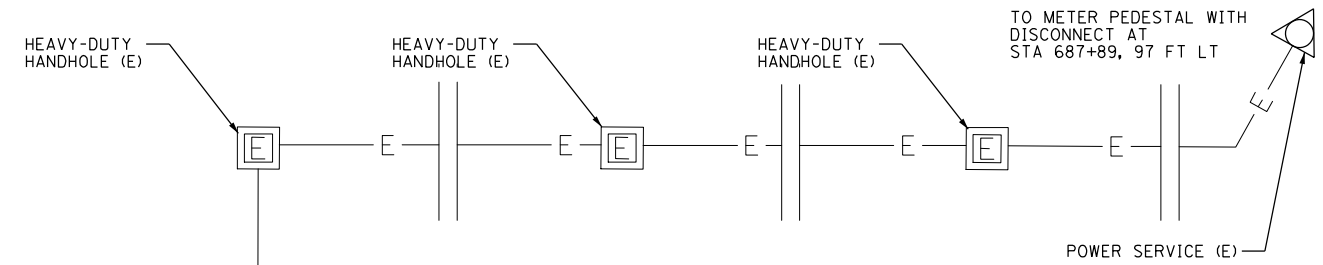
SCALE: 1" = 10' SHEET 7 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-94	2016-068I	COOK/LAKE	388	85
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-07

NOTES:

1. THE EXISTING DMS SHALL REMAIN OPERATIONAL UNTIL THE NEW DMS HAS BEEN INSTALLED, TESTED, AND ACCEPTED.
2. PROVIDE AERIAL CABLING TO MAINTAIN OPERATION OF MEDIAN LIGHTING CIRCUITS IMPACTED BY FOUNDATION REMOVAL.
3. THE EXISTING DMS IS OWNED AND MAINTAINED BY THE ILLINOIS TOLLWAY. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE TO THE ILLINOIS TOLLWAY ITS DEPLOYMENT ENGINEER PRIOR TO REMOVING ANY ELEMENTS OF THE EXISTING INSTALLATION. CONTACT MR. AMARPAL MATHARU AT (630) 241-6800.
4. OUTSIDE SIGN STRUCTURE FOUNDATION AND CABINET FOUNDATIONS TO BE REMOVED 12" BELOW GRADE. REMAINING FOUNDATION CAN BE ABANDONED.
5. REMOVAL OF CABLE SHOWN WILL BE PAID FOR BY REMOVAL OF CABLE IN CONDUIT.
6. EXISTING SERVICE CABLES SHALL REMAIN IN PLACE. DISCONNECT SERVICE CABLE FEED FROM EXISTING STRUCTURE MOUNTED SERVICE DISCONNECT AND PULL INTO EXISTING HAND HOLE FOR CONNECTION TO PROPOSED DMS.
8. REMOVAL OF TOLLWAY CCTV CAMERA SHALL INCLUDE CABINET, MOUNTING HARDWARE, AND POWER FIBER CABLES FROM THE EXISTING HAND HOLE TO THE TOLLWAY CCTV CAMERA.

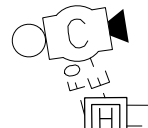


I-94 (EDENS EXPY) EB

I-94 (EDENS EXPY) WB

665+00

CCTV CAMERA POLE (R)
AT STA 660+23, 80 FT RT
SEE NOTE 8



HEAVY-DUTY HANDHOLE (E)

475 FT.
2 IN. CONDUIT (A)
-(2) 1/C NO. 10 (R)
-1/C NO. 12 (R)

475 FT.
2 IN. CONDUIT (A)
-6F MM FOC (R)

10 FT.
3 IN. CONDUIT (A)
-DMS DROP CABLE (R)
1/4 IN. CONDUIT (A)
-6F MM FOC (R)

10 FT.
4 IN. CONDUIT (A)
-(2) 1/C NO. 10 (R)
-1/C NO. 12 GND (R)
3 IN. CONDUIT (A)
-(3) 1/C NO. 8 (R)
2 IN. CONDUIT (A)
-(3) 1/C NO. 4 (R)

DMS CONTROLLER CABINET (R)
CABINET FOUNDATION (R)
(SEE NOTE 4)

10 FT.
UNDERGROUND CONDUIT (A)
ELECTRIC CABLE (R)

10 FT.
UNDERGROUND CONDUIT (A)
FIBER OPTIC CABLE (R)

20 FT.
2 IN. CONDUIT (A)
-(2) 1/C NO. 2/0 (R)
-1/C NO. 1 (R)

ILLINOIS TOLLWAY EQUIPMENT CABINET (R)
-CABINET FOUNDATION (R)
(SEE NOTE 4)

20 FT.
3 IN. CONDUIT (A)
-(3) 1/C NO. 8 (R)
2 IN. CONDUIT (A)
-(3) 1/C NO. 4 (R)

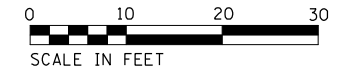
20 FT.
3 IN. CONDUIT (A)
-DMS DROP CABLE (R)

SPAN STRUCTURE (R)
(SEE NOTE 4)

SIGN STRUCTURE FOUNDATION (R)

TOLLWAY WALK-IN DMS (R)
SEE NOTE 1

SIGN STRUCTURE FOUNDATION (A)
(SEE NOTE 2)



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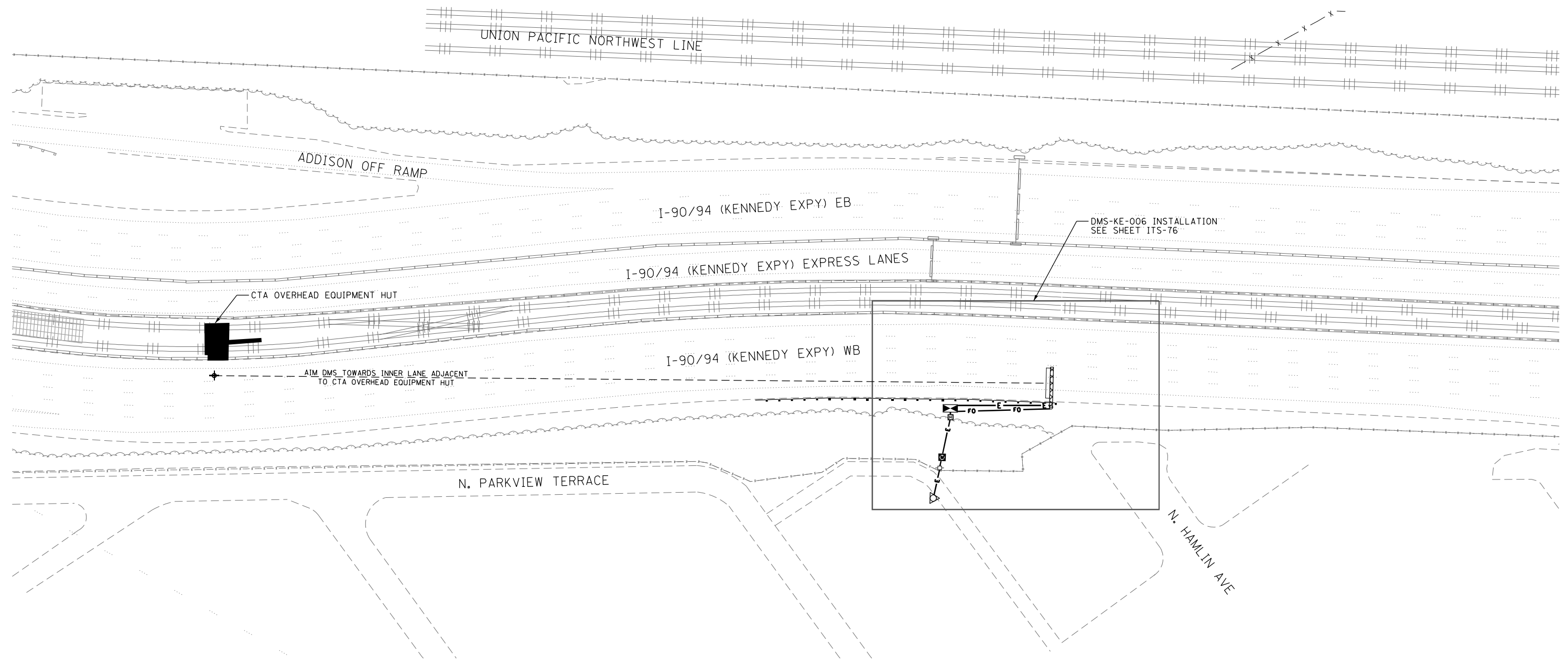
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILED DMS REMOVAL PLAN
I-94 WB NORTH OF TOWER RD

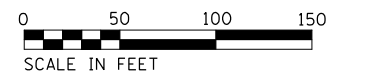
SCALE: 1" = 10' SHEET 8 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-94	2016-068I	COOK/LAKE	388	86
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

ITS-08



NOTES:
1. SEE ITS-76 FOR INSTALLATION DETAILS.



ITS-09

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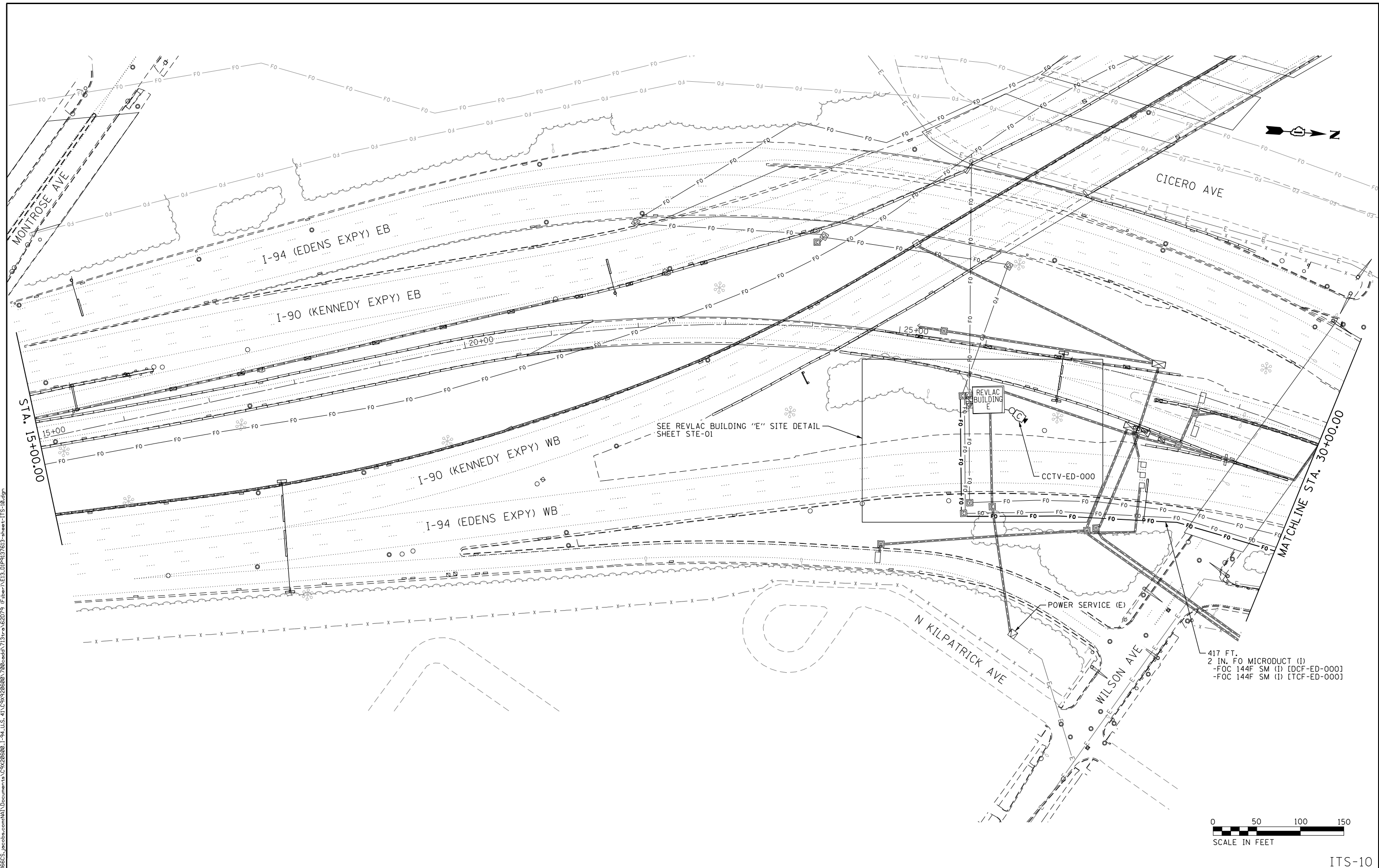
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 9 OF 82 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	87
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

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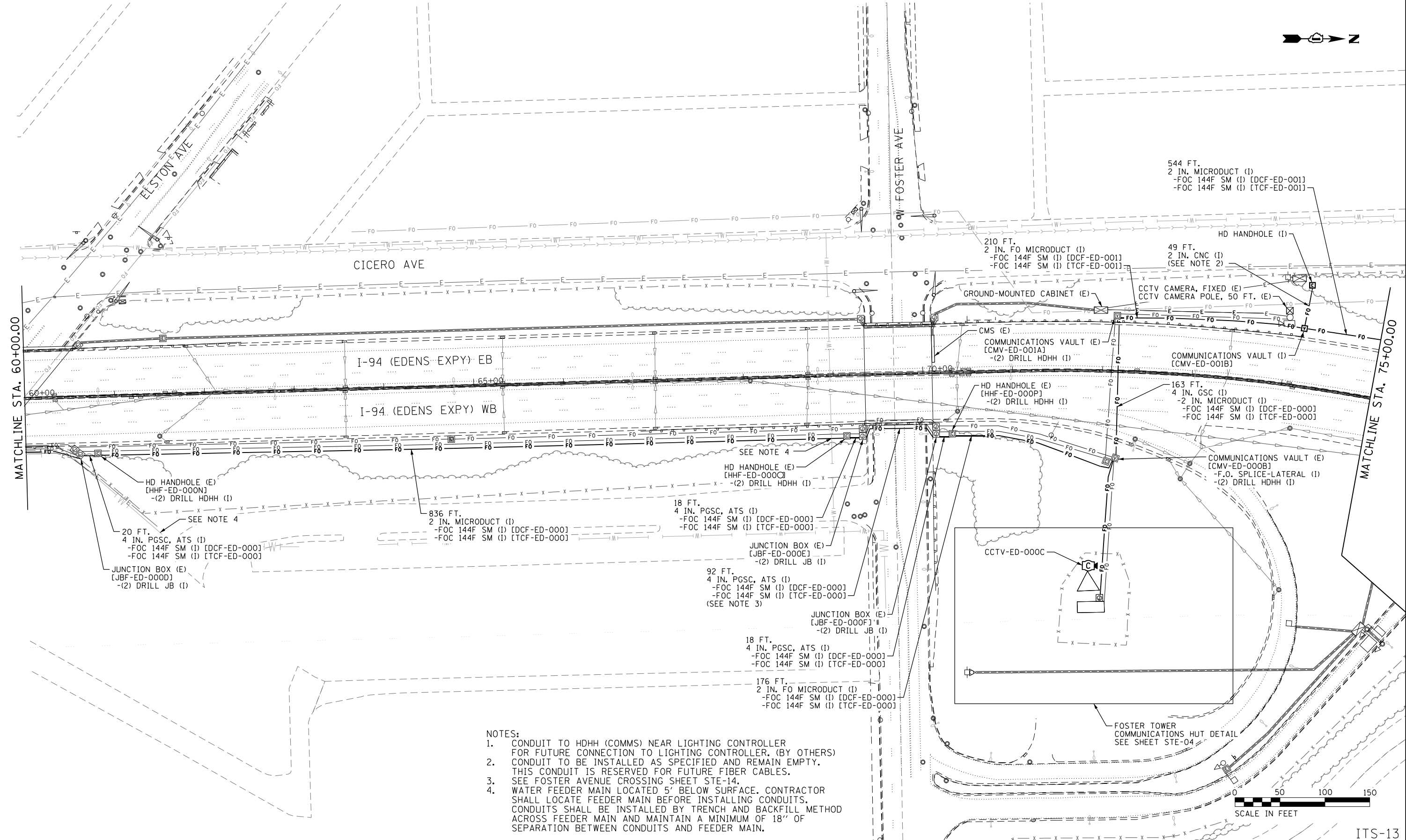
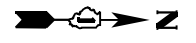
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

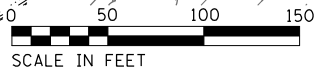
SCALE: 1" = 50' SHEET 10 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06BI	COOK/LAKE	388	88
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-10



- NOTES:
1. CONDUIT TO HDHH (COMMS) NEAR LIGHTING CONTROLLER FOR FUTURE CONNECTION TO LIGHTING CONTROLLER. (BY OTHERS)
 2. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE FIBER CABLES.
 3. SEE FOSTER AVENUE CROSSING SHEET STE-14.
 4. WATER FEEDER MAIN LOCATED 5' BELOW SURFACE. CONTRACTOR SHALL LOCATE FEEDER MAIN BEFORE INSTALLING CONDUITS. CONDUITS SHALL BE INSTALLED BY TRENCH AND BACKFILL METHOD ACROSS FEEDER MAIN AND MAINTAIN A MINIMUM OF 18" OF SEPARATION BETWEEN CONDUITS AND FEEDER MAIN.



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 DESIGNED - JJZ
 DRAWN - HAR
 CHECKED - CRH
 DATE - 02/28/2020
 PLOT SCALE =
 PLOT DATE = 2/27/2020

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USER NAME = zvolanjj	DESIGNED - JJZ	REVISED -
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PLOT DATE = 2/27/2020	DATE - 02/28/2020	REVISED -

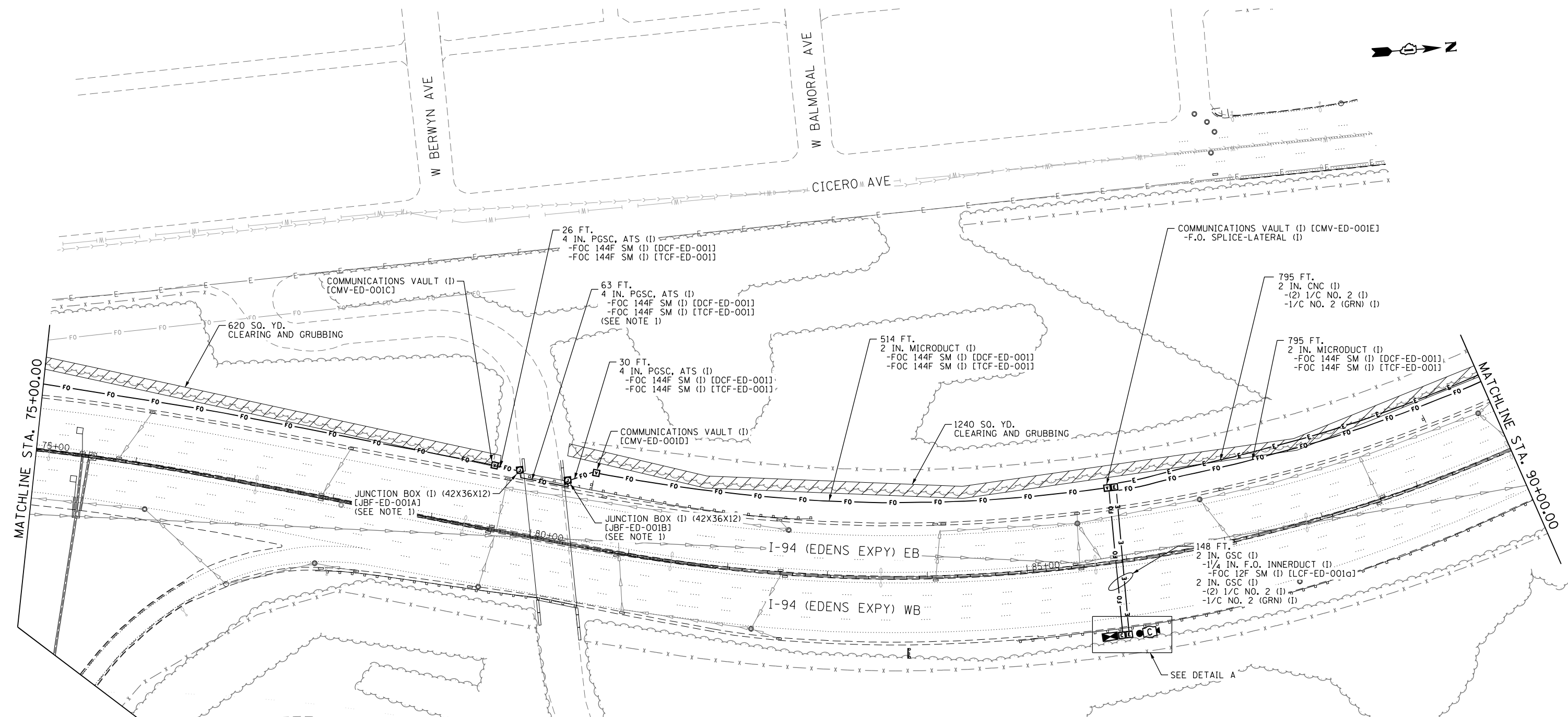
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 13 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-0681	COOK/LAKE	388	91
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-13



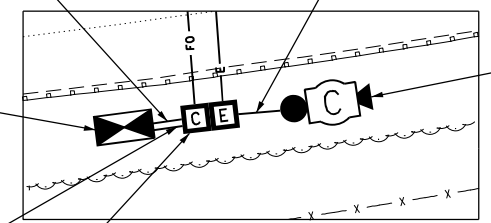
MATCHLINE STA. 75+00.00

MATCHLINE STA. 90+00.00

- 15 FT.
2 IN. CNC (1)
-FOC 12F SM (1) [LCF-ED-001a]
-CAMERA CABLES (1)
(3) 2 IN. CNC (1)
- 20 FT.
2 IN. CNC (1)
-CAMERA CABLES (1)

- GROUND-MOUNTED CABINET (1) [CAB-ED-001]
- F.O. TERMINATION PANEL (1) [PPF-ED-001]
- (12) TERMINATE FIBER (1)
- LAYER 3 (NETWORK) SWITCH (1)
- CCTV EQUIPMENT (1)

- 15 FT.
2 IN. CNC (1)
-(2) 1/C NO. 2 (1)
-1/C NO. 2 (GRN) (1)
2 IN. CNC (1)



DETAIL A
NOT TO SCALE

- CCTV CAMERA POLE, ALUM. 50 FT. (1)
- CCTV CAMERA (1) [CCTV-ED-001]
- CCTV CAMERA POLE FOUNDATION (13 FT.) (1)
- (STA. 86+02, OFFSET 74' RT)

NOTES:
1. SEE FOREST PRESERVE ACCESS CROSSING SHEET STE-15.



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USER NAME = zvolanjj	DESIGNED - JJZ	REVISED -
PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

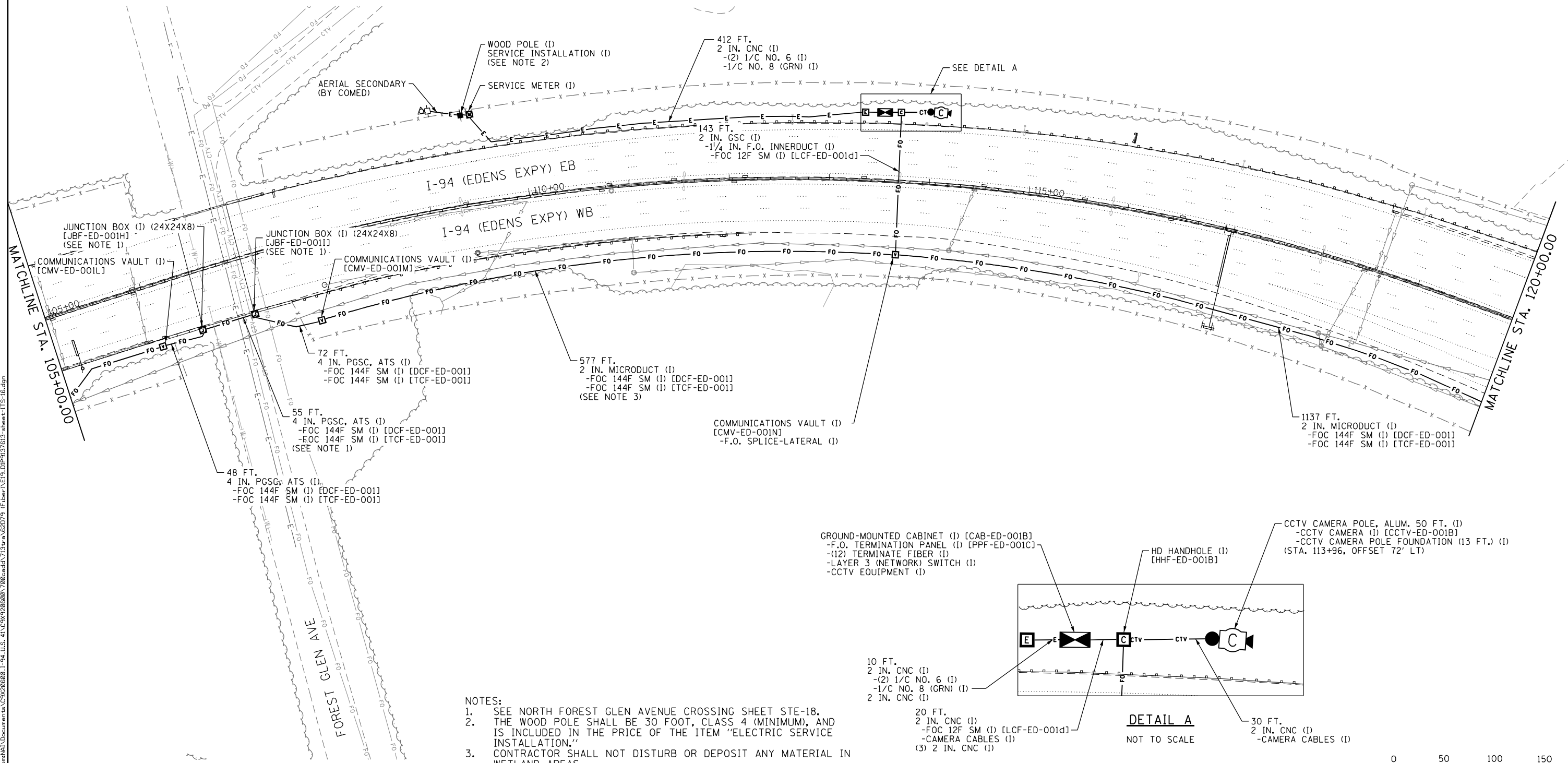
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 14 OF 82 SHEETS STA. TO STA.

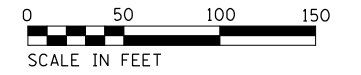
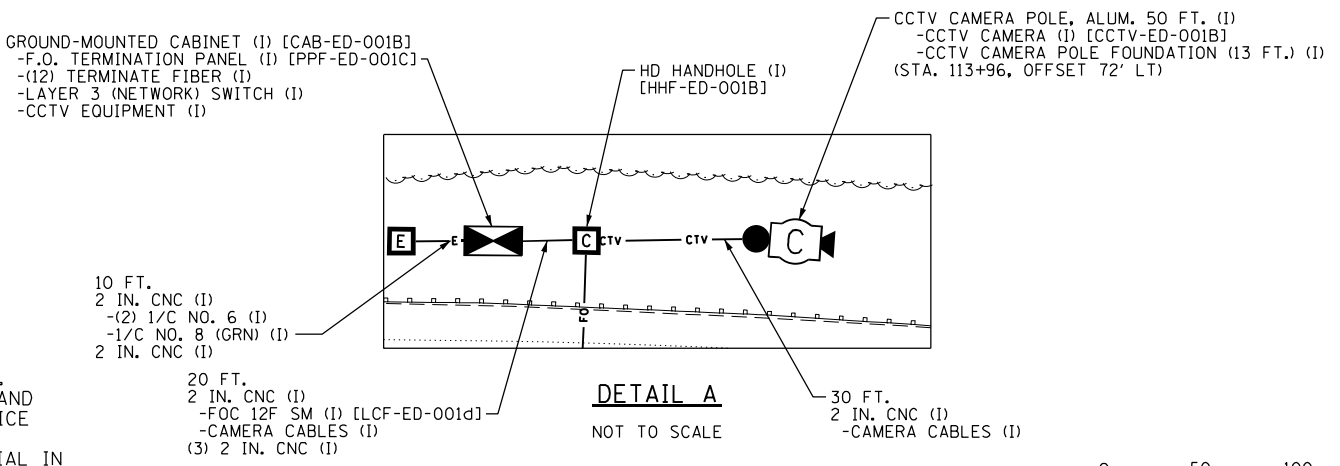
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06B1	COOK/LAKE	388	92
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-14



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- NOTES:**
- SEE NORTH FOREST GLEN AVENUE CROSSING SHEET STE-18.
 - THE WOOD POLE SHALL BE 30 FOOT, CLASS 4 (MINIMUM), AND IS INCLUDED IN THE PRICE OF THE ITEM "ELECTRIC SERVICE INSTALLATION."
 - CONTRACTOR SHALL NOT DISTURB OR DEPOSIT ANY MATERIAL IN WETLAND AREAS



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	DRAWN - HAR	REVISED -
PLOT SCALE =	CHECKED - CRH	REVISED -
PLOT DATE = 7/19/2021	DATE - 02/28/2020	REVISED -

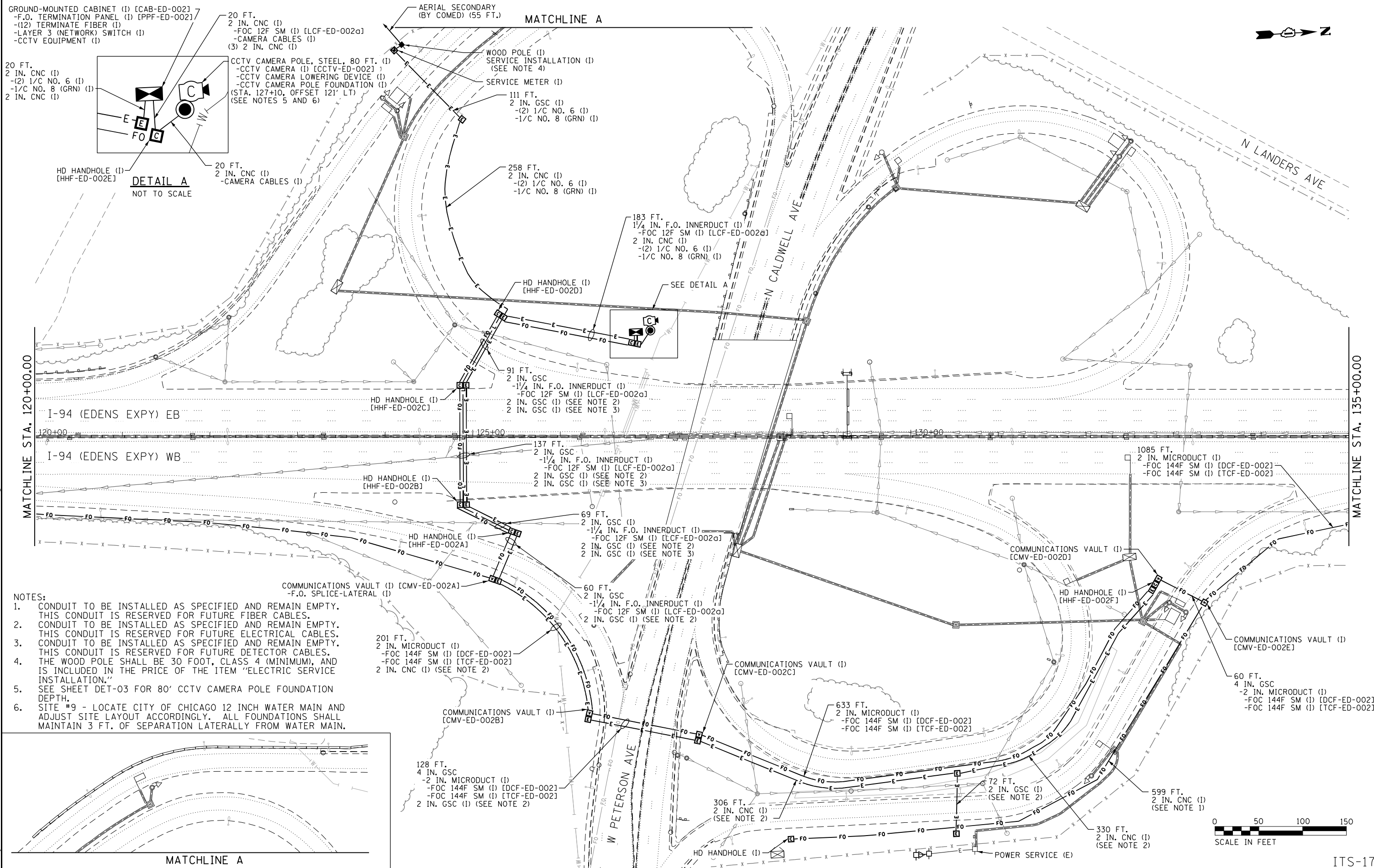
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

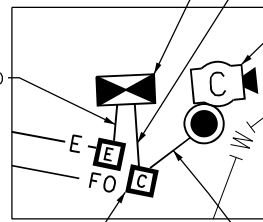
SCALE: 1" = 50' SHEET 16 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	94
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-16



- GROUND-MOUNTED CABINET (1) [CAB-ED-002]
 -F.O. TERMINATION PANEL (1) [PPF-ED-002]
 -(12) TERMINATE FIBER (1)
 -LAYER 3 (NETWORK) SWITCH (1)
 -CCTV EQUIPMENT (1)



- 20 FT.
 2 IN. CNC (1)
 -(2) 1/C NO. 6 (1)
 -1/C NO. 8 (GRN) (1)
 2 IN. CNC (1)

- 20 FT.
 2 IN. CNC (1)
 -CAMERA CABLES (1)

- 20 FT. CNC (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 -CAMERA CABLES (1)
 (3) 2 IN. CNC (1)

- CCTV CAMERA POLE, STEEL, 80 FT. (1)
 -CCTV CAMERA (1) [CCTV-ED-002]
 -CCTV CAMERA LOWERING DEVICE (1)
 -CCTV CAMERA POLE FOUNDATION (1)
 (STA. 127+10, OFFSET 121' LT)
 (SEE NOTES 5 AND 6)

- AERIAL SECONDARY (BY COMED) (55 FT.)
 WOOD POLE (1)
 SERVICE INSTALLATION (1)
 (SEE NOTE 4)
 SERVICE METER (1)
 111 FT.
 2 IN. GSC (1)
 -(2) 1/C NO. 6 (1)
 -1/C NO. 8 (GRN) (1)

- 258 FT.
 2 IN. CNC (1)
 -(2) 1/C NO. 6 (1)
 -1/C NO. 8 (GRN) (1)

- 183 FT.
 1/4 IN. F.O. INNERDUCT (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 2 IN. CNC (1)
 -(2) 1/C NO. 6 (1)
 -1/C NO. 8 (GRN) (1)

- 91 FT.
 2 IN. GSC (1)
 -1/4 IN. F.O. INNERDUCT (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 2 IN. GSC (1) (SEE NOTE 2)
 2 IN. GSC (1) (SEE NOTE 3)

- 137 FT.
 2 IN. GSC (1)
 -1/4 IN. F.O. INNERDUCT (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 2 IN. GSC (1) (SEE NOTE 2)
 2 IN. GSC (1) (SEE NOTE 3)

- 69 FT.
 2 IN. GSC (1)
 -1/4 IN. F.O. INNERDUCT (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 2 IN. GSC (1) (SEE NOTE 2)
 2 IN. GSC (1) (SEE NOTE 3)

- 60 FT.
 2 IN. GSC (1)
 -1/4 IN. F.O. INNERDUCT (1)
 -FOC 12F SM (1) [LCF-ED-002a]
 2 IN. GSC (1) (SEE NOTE 2)

- 201 FT.
 2 IN. MICRODUCT (1)
 -FOC 144F SM (1) [DCF-ED-002]
 -FOC 144F SM (1) [TCF-ED-002]
 2 IN. CNC (1) (SEE NOTE 2)

- 128 FT.
 4 IN. GSC (1)
 -2 IN. MICRODUCT (1)
 -FOC 144F SM (1) [DCF-ED-002]
 -FOC 144F SM (1) [TCF-ED-002]
 2 IN. GSC (1) (SEE NOTE 2)

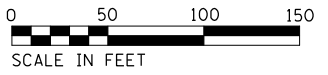
- 306 FT.
 2 IN. CNC (1)
 (SEE NOTE 2)

- 633 FT.
 2 IN. MICRODUCT (1)
 -FOC 144F SM (1) [DCF-ED-002]
 -FOC 144F SM (1) [TCF-ED-002]

- 72 FT.
 2 IN. GSC (1)
 (SEE NOTE 2)

- 599 FT.
 2 IN. CNC (1)
 (SEE NOTE 1)

- 330 FT.
 2 IN. CNC (1)
 (SEE NOTE 2)



- NOTES:
 1. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE FIBER CABLES.
 2. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE ELECTRICAL CABLES.
 3. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE DETECTOR CABLES. THE WOOD POLE SHALL BE 30 FOOT, CLASS 4 (MINIMUM), AND IS INCLUDED IN THE PRICE OF THE ITEM "ELECTRIC SERVICE INSTALLATION."
 4. SEE SHEET DET-03 FOR 80' CCTV CAMERA POLE FOUNDATION DEPTH.
 5. SITE #9 - LOCATE CITY OF CHICAGO 12 INCH WATER MAIN AND ADJUST SITE LAYOUT ACCORDINGLY. ALL FOUNDATIONS SHALL MAINTAIN 3 FT. OF SEPARATION Laterally FROM WATER MAIN.

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USER NAME = BREITEMF	DESIGNED - JJZ	REVISED - 07/14/2021
PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 7/19/2021	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

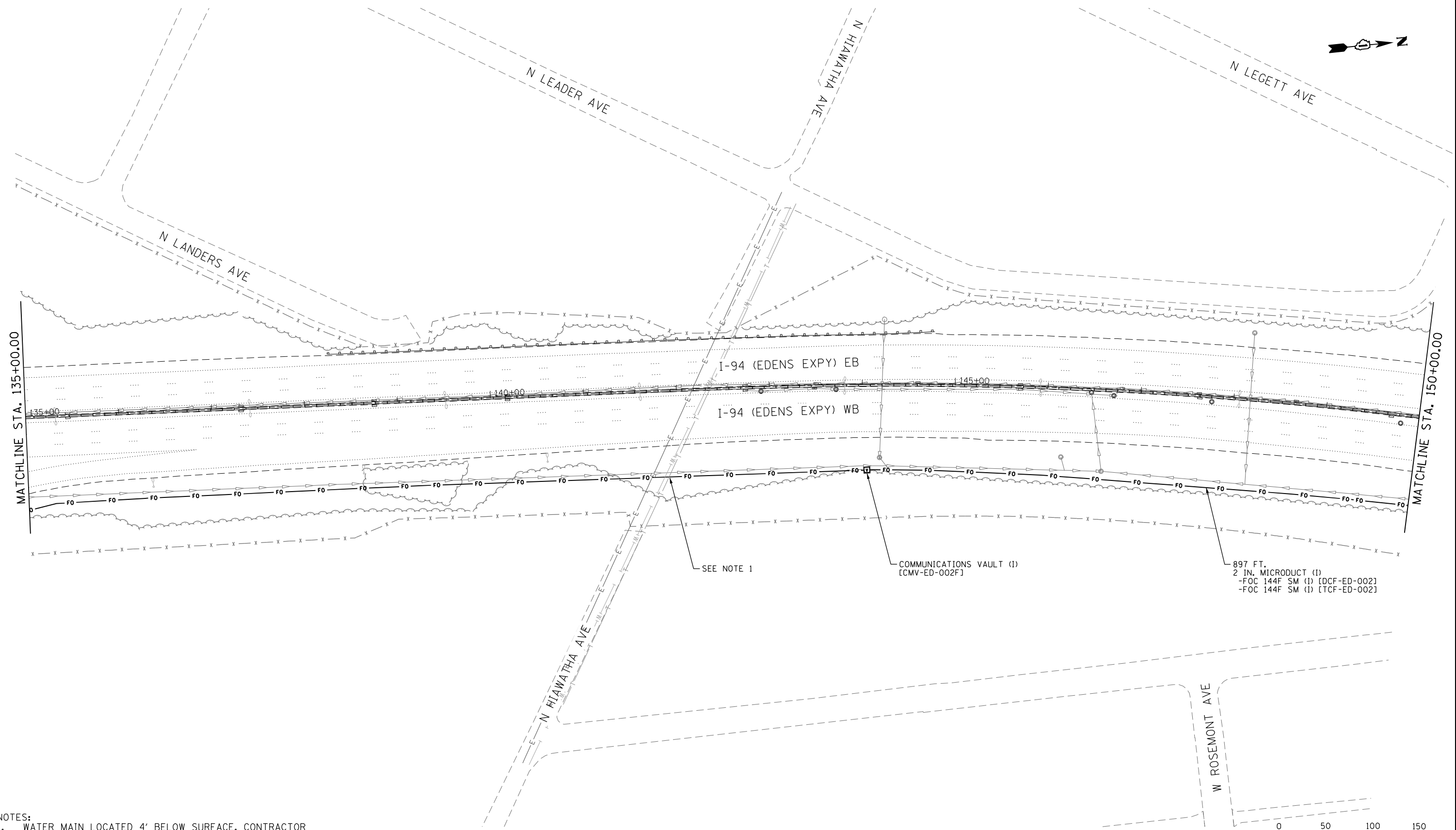
**INTELLIGENT TRANSPORTATION SYSTEMS
 CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 17 OF 82 SHEETS STA. TO STA.

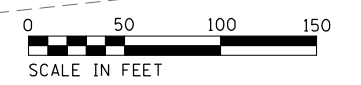
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	95
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-17

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NOTES:
 1. WATER MAIN LOCATED 4' BELOW SURFACE. CONTRACTOR SHALL LOCATE WATER MAIN BEFORE INSTALLING CONDUITS. CONDUITS SHALL BE INSTALLED BY TRENCH AND BACKFILL METHOD OVER WATER MAIN AND MAINTAIN A MINIMUM OF 18" OF SEPARATION BETWEEN CONDUITS AND WATER MAIN.



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PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

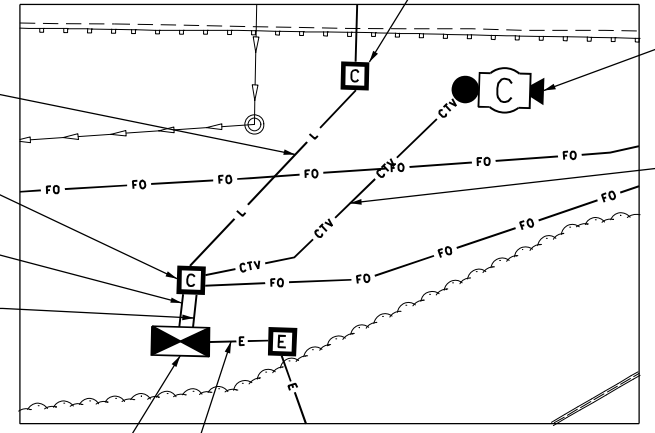
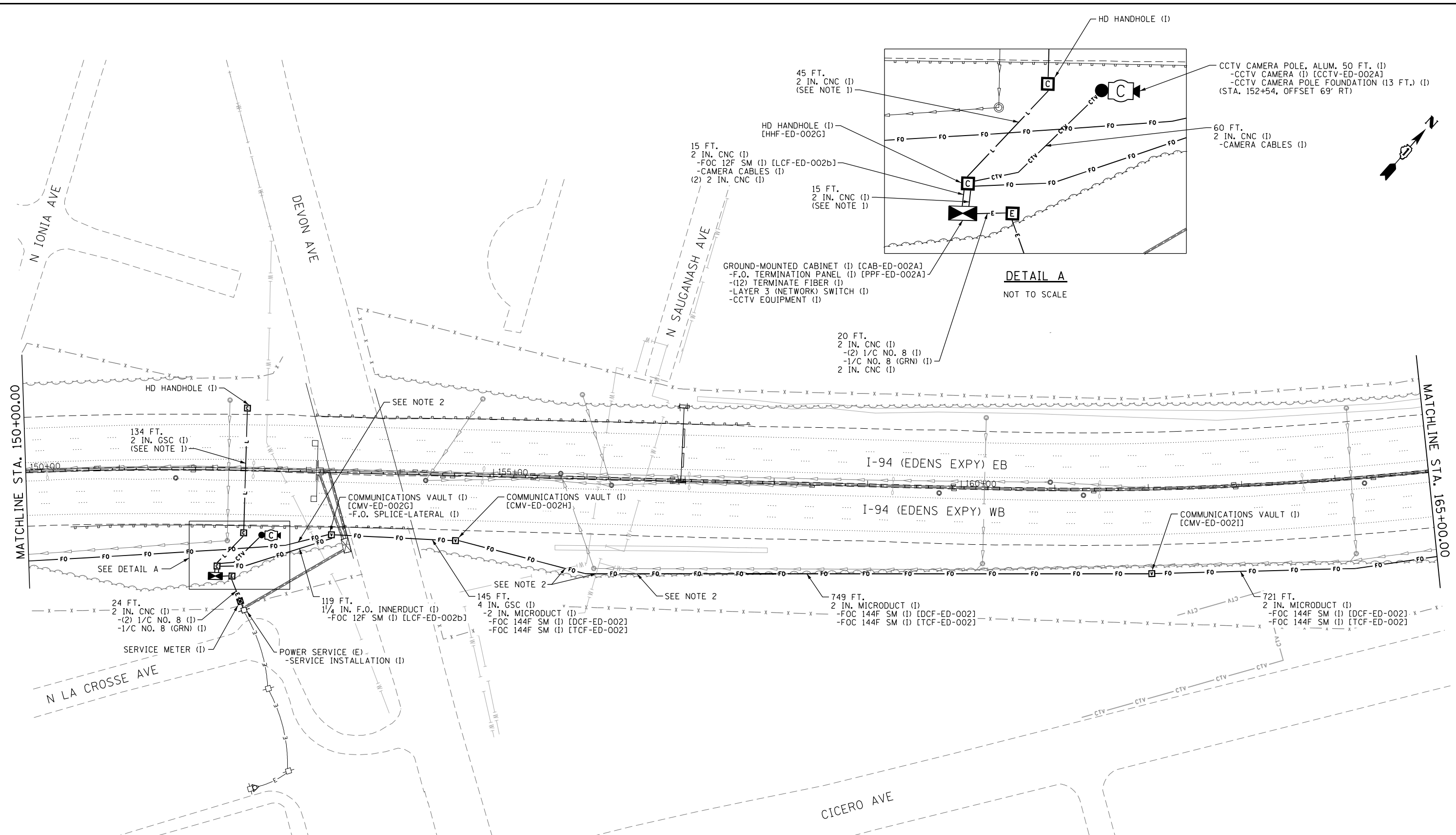
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS
 SCALE: 1" = 50' SHEET 18 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	96
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

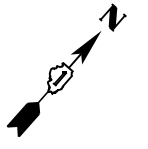
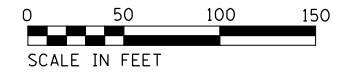
ITS-18

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DETAIL A
NOT TO SCALE

- NOTES:
1. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE DETECTOR CABLES.
 2. WATER FEEDER MAIN LOCATED 5' BELOW SURFACE. CONTRACTOR SHALL LOCATE FEEDER MAIN BEFORE INSTALLING CONDUITS. CONDUITS SHALL BE INSTALLED BY TRENCH AND BACKFILL METHOD ACROSS WATER FEEDER MAIN AND MAINTAIN A MINIMUM OF 18" OF SEPARATION BETWEEN CONDUITS AND FEEDER MAIN.



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	DATE - 02/28/2020	REVISED -

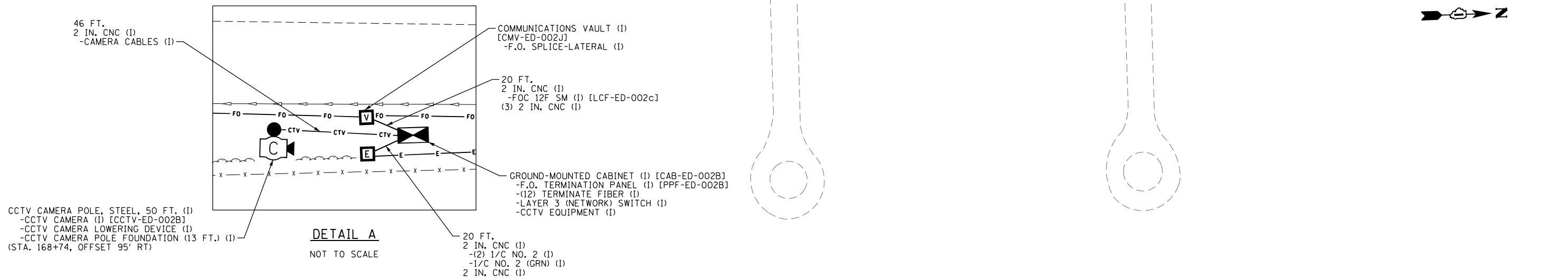
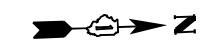
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS

SCALE: 1" = 50' SHEET 19 OF 82 SHEETS STA. TO STA.

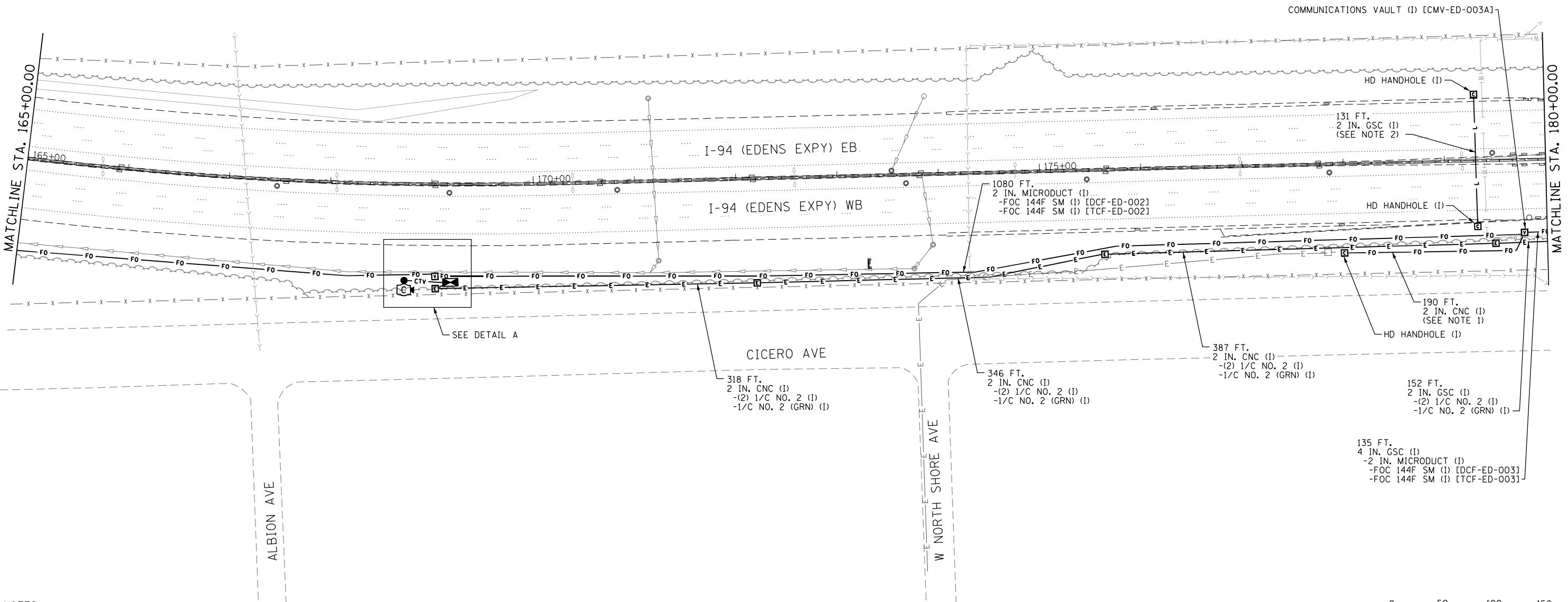
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06B1	COOK/LAKE	388	97
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

ITS-19

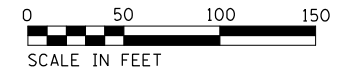


CCTV CAMERA POLE, STEEL, 50 FT. (I)
 -CCTV CAMERA (I) [CCTV-ED-002B]
 -CCTV CAMERA LOWERING DEVICE (I)
 -CCTV CAMERA POLE FOUNDATION (13 FT.) (I)
 (STA. 168+74, OFFSET 95' RT)

DETAIL A
 NOT TO SCALE



- NOTES:
 1. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE FIBER CABLES.
 2. CONDUIT TO BE INSTALLED AS SPECIFIED AND REMAIN EMPTY. THIS CONDUIT IS RESERVED FOR FUTURE DETECTOR CABLES.



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USER NAME = BREITEMF	DESIGNED - JJZ	REVISED -
PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 7/19/2021	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

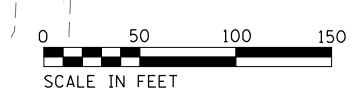
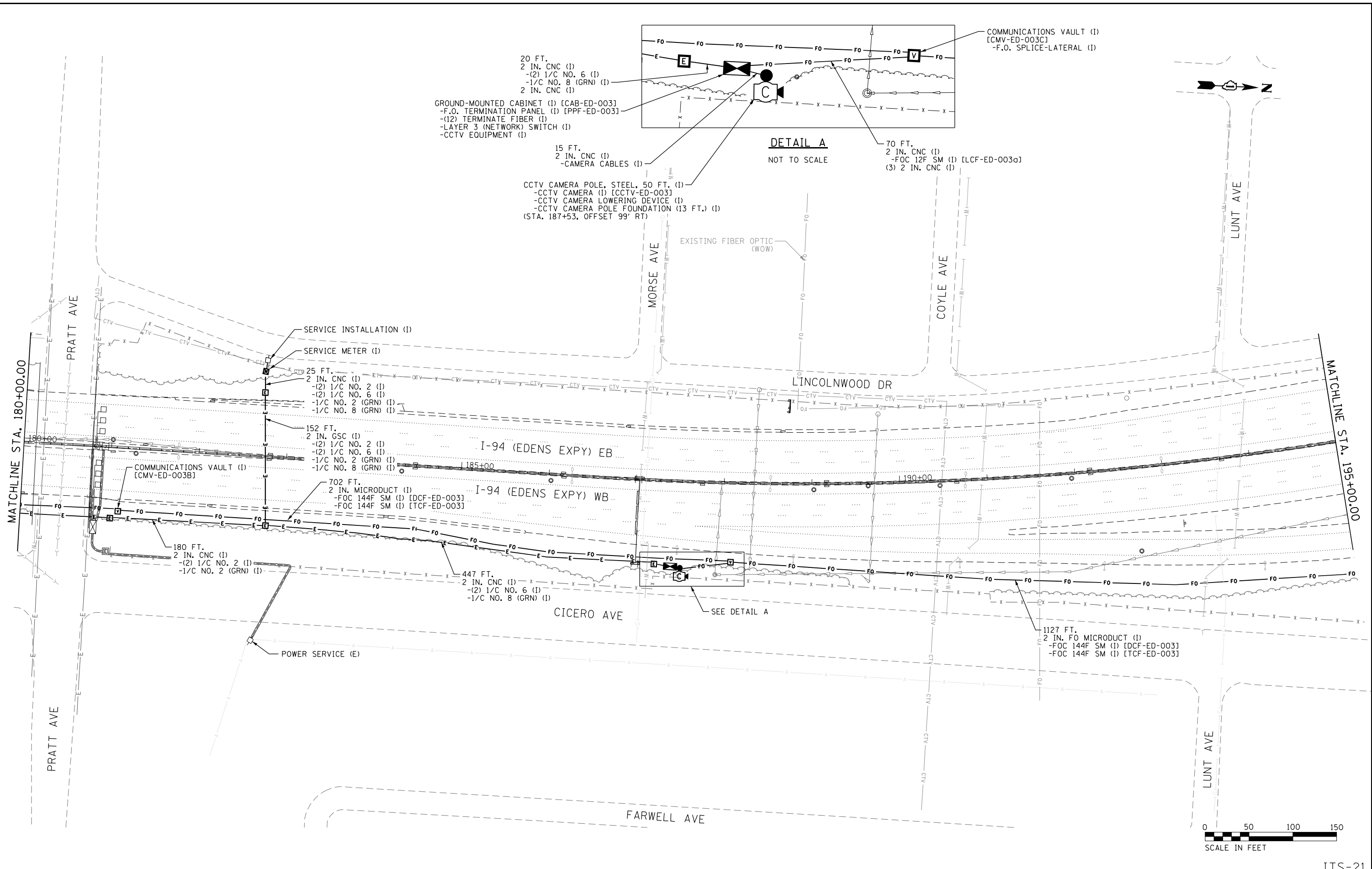
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
 CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 20 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-06B1	COOK/LAKE	388	98
CONTRACT NO. 62079			ILLINOIS FED. AID PROJECT	

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PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

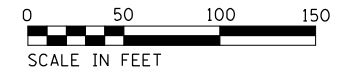
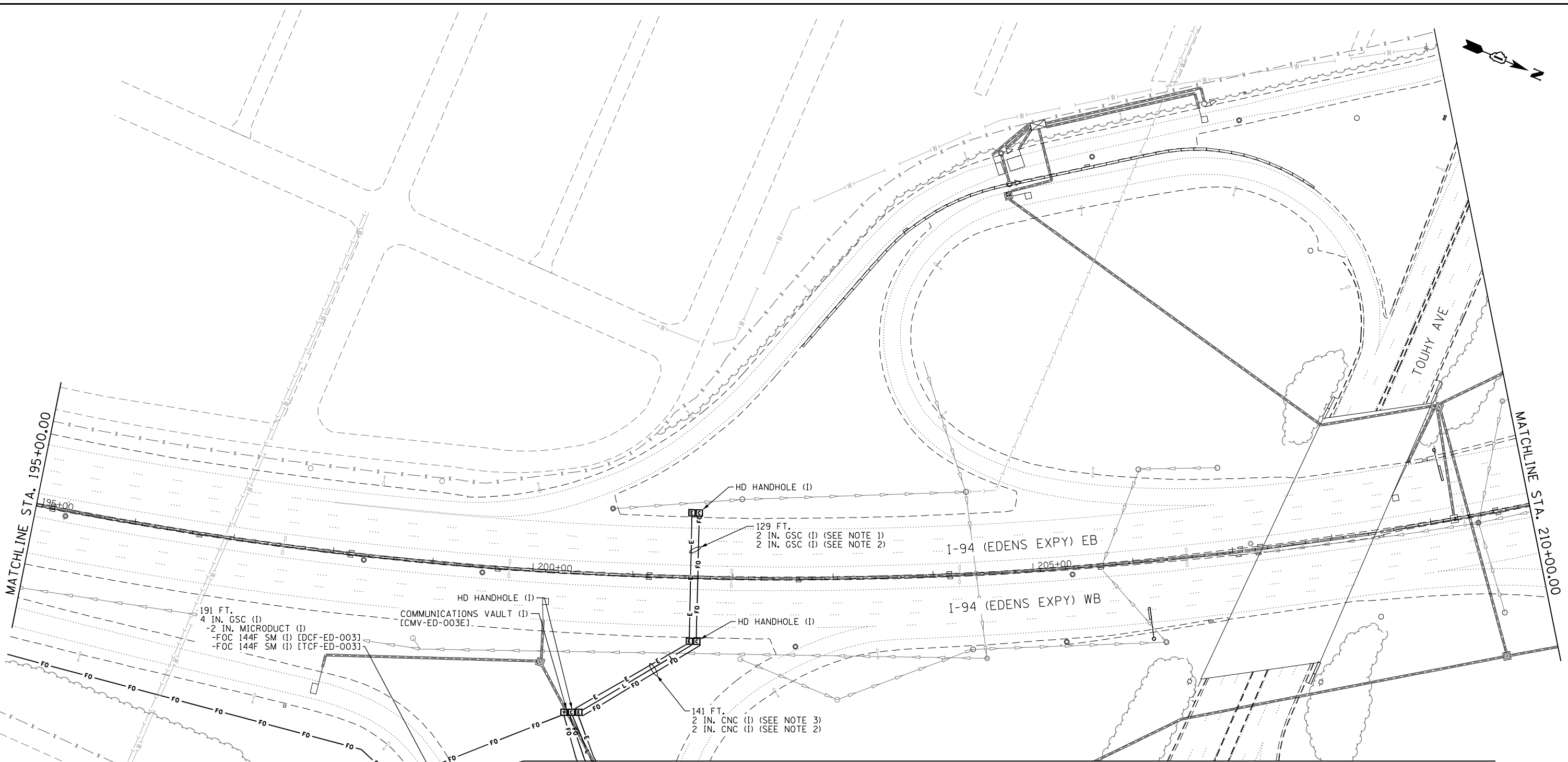
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 21 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	99
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

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PLOT SCALE =	DRAWN - HAR	REVISED -
PLOT DATE = 2/27/2020	CHECKED - CRH	REVISED -
	DATE - 02/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTELLIGENT TRANSPORTATION SYSTEMS
CONSTRUCTION PLANS**

SCALE: 1" = 50' SHEET 22 OF 82 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2016-068I	COOK/LAKE	388	100
CONTRACT NO. 62079				
ILLINOIS FED. AID PROJECT				

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