

INDEX OF SHEETS – SEE SHEET 2
 HIGHWAY STANDARDS – SEE SHEET 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SET 1 OF 2 SETS
 SHEETS 28 THROUGH 307 OF 623 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	1
		ILLINOIS	CONTRACT NO. 76E13	

D-98-082-10

MISCELLANEOUS TRAFFIC DATA

- ADT 900 (2013) RAMP A FAI ROUTE 255 (I-64)
- ADT 6400 (2013) RAMP B FAI ROUTE 255 (I-64)
- ADT 2900 (2013) RAMP C FAI ROUTE 255 (I-64)
- ADT 7900 (2013) RAMP D FAI ROUTE 255 (I-64)
- ADT 8300 (2013) RAMP E FAI ROUTE 255 (I-64)
- ADT 2250 (2013) RAMP F FAI ROUTE 255 (I-64)
- ADT 800 (2013) RAMP G FAI ROUTE 255 (I-64)
- ADT 6700 (2013) RAMP H FAI ROUTE 255 (I-64)

- ADT 800 (2013) RAMP A FAI ROUTE 255 (STATE STREET)
- ADT 850 (2013) RAMP B FAI ROUTE 255 (STATE STREET)
- ADT 950 (2013) RAMP C FAI ROUTE 255 (STATE STREET)
- ADT 850 (2013) RAMP D FAI ROUTE 255 (STATE STREET)

- ADT 5500 (2013) RAMP 1 FAI ROUTE 255 (ROUTE 15)
- ADT 1100 (2013) RAMP 2 FAI ROUTE 255 (ROUTE 15)
- ADT 5700 (2013) RAMP 3 FAI ROUTE 255 (ROUTE 15)
- ADT 1150 (2013) RAMP 4 FAI ROUTE 255 (ROUTE 15)
- ADT 5500 (2013) RAMP 5 FAI ROUTE 255 (ROUTE 15)
- ADT 750 (2013) RAMP 6 FAI ROUTE 255 (ROUTE 15)

PROPOSED
 HIGHWAY PLANS

FAI ROUTE 255 (I-255)
 SECTION 82-(3,2)RS
 PROJECT NHPP UI98(917)
 PATCHING, RESURFACING, BRIDGE REPAIR,
 AND GUARDRAIL REPLACEMENT
 ST. CLAIR COUNTY

C-98-274-18

END PROJECT
 STA. 1069+00



LOCATION 3
 S.N. 082-0235
 INCLUDES BRIDGE REPAIRS AND HMA OVERLAY
 CARRYING I-255 OVER STATE STREET
 STATION 919+64.31
 LAT: 38° 36' 9.35" N
 LONG: 90° 5' 8.03" W

LOCATION 2
 S.N. 082-0234
 INCLUDES BRIDGE REPAIRS AND HMA OVERLAY
 CARRYING LAKE DRIVE OVER I-255
 STATION 892+38.00
 LAT: 38° 35' 44.54" N
 LONG: 90° 5' 21.45" W

LOCATION 1
 S.N. 082-0232
 INCLUDES BRIDGE REPAIRS
 CARRYING POCKET ROAD OVER I-255
 STATION 852+91.54
 LAT: 38° 35' 16.74" N
 LONG: 90° 5' 54.51" W

LOCATION 7 & 19
 S.N. 082-0241 (NB STRUCTURE) – LOCATION 7
 S.N. 082-0242 (SB STRUCTURE) – LOCATION 19
 INCLUDES BRIDGE REPAIRS
 CARRYING I-255 OVER I-64
 STATION 1051+31.83
 LAT: 38° 37' 7.79" N
 LONG: 90° 4' 55.99" W

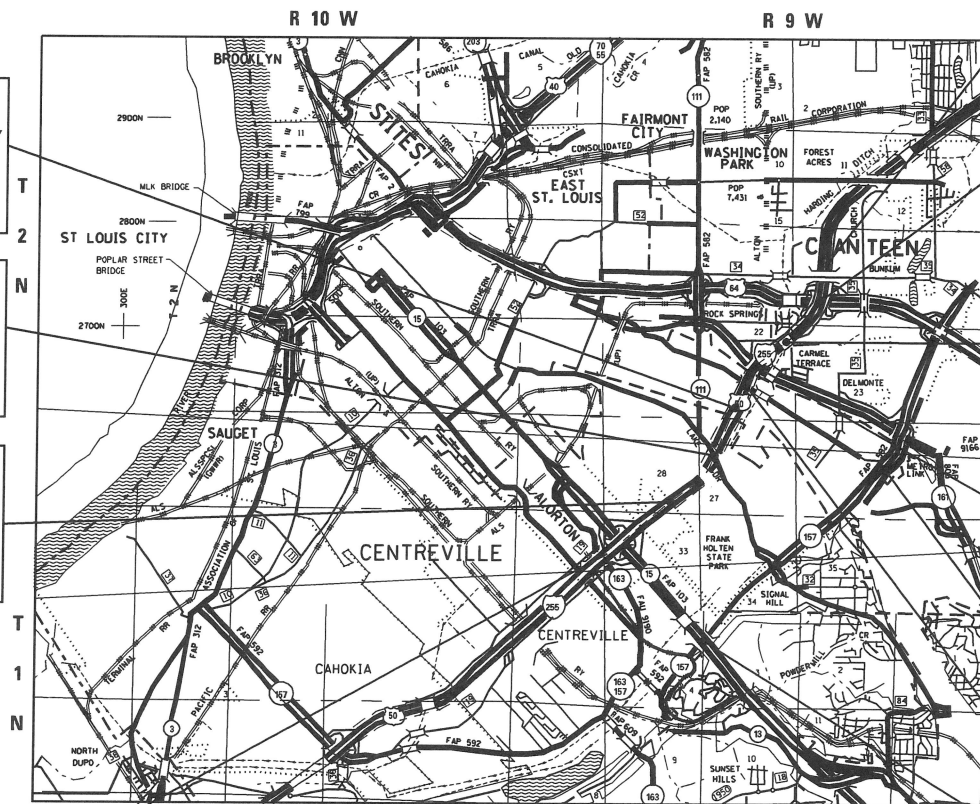
LOCATION 6 & 18
 S.N. 082-0239 (NB STRUCTURE) – LOCATION 6
 S.N. 082-0240 (SB STRUCTURE) – LOCATION 18
 INCLUDES BRIDGE REPAIRS AND HMA OVERLAY
 CARRYING I-255 OVER HARDING DITCH
 STATION 1021+58.36
 LAT: 38° 36' 45.35" N
 LONG: 90° 4' 31.55" W

LOCATION 5
 S.N. 082-0237 (NB STRUCTURE)
 S.N. 082-0238 (SB STRUCTURE)
 INCLUDES BRIDGE REPAIRS AND HMA OVERLAY
 CARRYING I-255 OVER ST CLAIR AVENUE
 STATION 946+94.41
 LAT: 38° 36' 32.13" N (NB)
 LONG: 90° 4' 52.75" W (NB)

IL-157 PATCHING

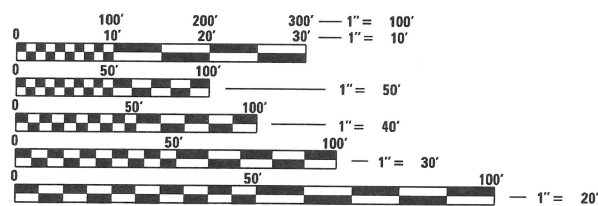
LOCATION 4
 S.N. 082-0236
 INCLUDES BRIDGE REPAIRS AND HMA OVERLAY
 CARRYING I-255 OVER SUMMIT AVENUE
 STATION 935+19.90
 LAT: 38° 36' 32.60" N
 LONG: 90° 5' 0.31" W

IL-15 & IL-157 INTERSECTION IMPROVEMENTS



DESIGN DESIGNATION

FAI ROUTE 255 INTERSTATE ADT 43,500 (2016) 2.8% TRUCKS



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

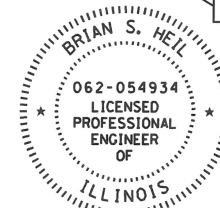
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

BEGIN PROJECT
 STA. 810+78

LOCATION MAP



GROSS LENGTH = 20,477 FT. = 3.88 MILE
 NET LENGTH = 20,281 FT. = 3.84 MILE
 STA. EQUATIONS:
 STA. 839+17.83 AH = STA. 839+21.47 BK
 STA. 889+83.19 AH = STA. 889+70.10 BK
 STA. 1002+29.70 AH = STA. 948+94.57 BK



Brian Heil 8/8/19
 Brian S. HEIL, PE
 License Expires 11/30/2019
 RESPONSIBLE FOR SHEETS 1-114 (SET 1 OF 2)

PROJECT ENGINEER: HERVE GELIN (618) 346-3179
 PROJECT MANAGER: BILLIE OWEN (618) 346-3209

CONTRACT NO. 76E13

PLANS PREPARED BY

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 100 Lanter Court, Suite 1
 Collinsville, IL 62234
 618.345.2200

St. Louis
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 St. Louis, MO 63101
 314.588.8381

Belleville
 20 East Main Street
 Belleville, IL 62200
 618.416.4688
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

St. Charles
 330 North Main, Suite 201
 St. Charles, MO 63301
 636.493.6277

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

REGIONAL ENGINEER

_____ 20 _____

ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

**SET 1 OF 2 SETS
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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420101-06	24' (7.2 m) JOINTED PCC PAVEMENT
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
421106-10	36' (10.8 m) CRC PAVEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442001-04	CLASS A PATCHES
442101-09	CLASS B PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-05	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
631033-07	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-02	DELINEATORS
637006-04	CONCRETE BARRIER, DOUBLE FACE, 44 IN. (1065 mm) HEIGHT
642001-02	SHOULDER RUMBLE STRIP 16 IN.
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	PRISMATIC CURB REFLECTORS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-9	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

MIXTURES TABLE

LOCATION	FAI 255 AND RAMPS	FAI 255 ML	RAMPS	FAI 255 AND RAMPS	FAI 255 AND RAMPS	PATCHES	PATCHES
MIXTURE USE	POLY SURFACE	BRIDGE DECK	POLY BINDER	SHOULDERS >= 2.25"	SHOULDERS < 2.25"	PATCHING	PARTIAL DEPTH PATCHING
THICKNESS	2"	1 1/2"	SEE TYPICALS	SEE TYPICALS	SEE TYPICALS	SEE PAY ITEM	SEE PAY ITEM
AC/PG	SBS PG 76-22	SBS PG 76-22	SBS 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ Ndes = 80	4.0% @ Ndes = 90	4.0% @ Ndes = 90	4.0% @ Ndes = 30	4.0% @ Ndes = 30	4.0% @ Ndes = 90	4.0% @ Ndes = 90
MIX COMPOSITION	IL 12.5	IL 9.5	IL 9.5 FG	IL 19.0L	IL 9.5L	IL 19.0	IL 9.5
FRICTION AGG	SMA "E"	MIXTURE "E"	MIXTURE "C"			MIXTURE "B"	MIXTURE "C"
QUALITY MANAGEMENT PROGRAM	PFP	QC/OA	OCP	OCP*	OCP*	QC/OA	QC/OA

* OCP ON SHOULDER >= 8' WIDE. QC/OA ON SHOULDER < 8' WIDE.

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PLOT DATE = 8/30/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS, AND PAVEMENT DESIGN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	2
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

UTILITIES

- ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. FOR NON-MEMBERS. BY CONTACTING THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN ILLINOIS •
 - AT&T ILLINOIS •
 - AT&T CORPORATION •
 - CHARTER COMMUNICATIONS, INC. •
 - ILLINOIS AMERICAN WATER COMPANY •
 - PAETEC •
 - SOUTHWESTERN ELECTRIC COOPERATIVE, INC. •
 - CITY OF COLLINSVILLE •
 - CENTERPOINT ENERGY •
 - MADISON COUNTY SPECIAL SERVICE AREA •
 - MITCHELL PUBLIC WATER DISTRICT •
 - CONSOLIDATED COMMUNICATIONS •
 - LEVEL 3 COMMUNICATIONS •

MEMBERS OF J.U.L.I.E. (800) 8920123 OR 811 ARE INDICATED BY. •
NON - J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY TRENCHING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/PUMP STATION/INTELLIGENT TRANSPORTATION FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTANCE OF HIGHWAY LIGHTING AND/OR I.T.S. WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 803.04 OF THE STANDARD SPECIFICATIONS. AN APPROXIMATE QUANTITY OF LOCATING UNDERGROUND CABLE HAS BEEN INCLUDED IN THESE PLANS.
- THE CONTRACTOR AND THE ENGINEER SHOULD BE AWARE THAT A "RIGHT OF WAY TEMPORARY WORK PERMIT" ISSUED BY METROLINK IS REQUIRED BEFORE ANY WORK, EQUIPMENT, MATERIALS OR PERSONNEL MAY ENTER UPON THE METROLINK RIGHT OF WAY. IN ADDITION ALL PERSONNEL WITHIN SAID RIGHT OF WAY SHALL ATTEND AND PASS THE REQUIRED METROLINK TRAINING PROGRAM EXAMINATIONS. IF PERSONNEL ARE ON THE METROLINK RIGHT OF WAY WITHOUT MEETING THE ABOVE REQUIREMENTS, AUTHORITIES WILL BE NOTIFIED, TREATED AS TRESPASSERS AND ESCORTED OFF THE TRACK RIGHT OF WAY AND HANDLED ACCORDINGLY.

THE CONTACT PERSON FOR METROLINK IS:
MR. GEORGE GRESS
707 NORTH FIRST STREET
ST. LOUIS, MO 63102
PHONE NO. (314) 982-1400
EMAIL: GHGRESS@METROSTLOUIS.ORG

GENERAL

- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT LIMITED SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE LOCATIONS OF THE REPAIR AREAS AS SHOWN IN THE PLANS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT INTERCHANGES, ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLORESCENT ORANGE AND 48" X 48". THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.
- EXISTING BRIDGE PLANS ARE AVAILABLE FOR REVIEW UPON REQUEST AT THE DISTRICT OFFICE.
- CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE. THE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED AS SHOWN IN THE DETOUR PLANS AND AS DIRECTED BY THE ENGINEER.
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM ISTRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- ALL ELEVATIONS REFER TO THE USGS MEAN SEA LEVEL DATUM.
- ALL REMOVED GUARDRAIL COMPONENTS ARE THE PROPERTY OF THE CONTRACTOR AND THE SALVAGE VALUE OF SAID COMPONENTS SHALL BE REFLECTED IN THE CONTRACTOR'S BID.

EARTHWORK

- ASSUMED QUANTITIES OF EARTH EXCAVATION, STONE RIPRAP CLASS A3, AND FILTER FABRIC HAVE BEEN INCLUDED IN THE PLANS TO FIX SLOPE WASHOUT AREAS OCCURING AT FAILURES IN THE SHOULDER CURB ALONG THE MAINLINE. THE USE OF THESE PAY ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- SEEDING, CLASS 2 AND MULCH, METHOD 2 ARE TO BE PLACED AS SOON AS EARTHWORK IS COMPLETED.

- THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEEDING QUANTITIES HAVE BEEN APPROXIMATED.

PAVING

- THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCHES WIDE, 5 INCHES HIGH, AND 5/8 INCHES DEEP. THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 250 FEET

BOTTOM OF NUMBERS - 6 INCHES FROM THE INSIDE EDGE OF PAVEMENT MARKING

LOCATION:
- 2, 3 AND 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
- MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
- RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - "XX-XX", WHERE X REPRESENTS THE PAVEMENT STATION

THE STAMPED STATIONS SHALL BE FILLED WITH SAND IMMEDIATELY AFTER STAMPING AND PRIOR TO ADDITIONAL ROLLING.

THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.
- IT IS THE INTENT OF THIS PROJECT TO MATCH UP TO ANY PREVIOUS ADJACENT OVERLAY SECTIONS. THE ENGINEER SHALL DICTATE WHERE TO BEGIN THE PROJECT SO THAT TWO BUTT JOINTS ARE NOT ADJACENT TO ONE ANOTHER.
- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE.
- ALL NEW TRAFFIC BARRIER TERMINALS SHALL BE CORED. NO DRILLING WILL BE PERMITTED INTO PARAPET WALLS, MEDIAN, PIERS, ETC. ACCORDING TO THE STANDARD SPECIFICATIONS 631.07. THE COST WILL BE INCLUDED IN THE TYPE OF TRAFFIC BARRIER TERMINAL BEING CONSTRUCTED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK. ANY DAMAGE TO PARAPET WALLS, MEDIAN, PIERS, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS/HER EXPENSE.
- THE SHOULDER WIDENING SHOWN IN THE PLANS AT THE INTERCHANGE OF IL 157 AND IL 15 SHALL OCCUR PRIOR TO THE INTERSTATE CLOSURE AND SHALL BE CONSIDERED PRECLOSURE WORK.
- PRIOR TO PATCHING, A PATCHING SURVEY SHALL BE PERFORMED TO DETERMINE PRIORITY PATCHING LOCATIONS. THE PATCHING SURVEY SHALL BE COORDINATED WITH THE BUREAU OF OPERATIONS FIELD ENGINEER TIM PRICE AND THE RESIDENT ENGINEER. IN ADDITION TO PATCHING ON I-255, ADDITIONAL PATCHING IS REQUIRED ON NORTHBOUND IL 157 JUST SOUTH OF VIUEX CARRE DRIVE IN EAST ST. LOUIS. THE CLASS B, 13" PATCHING ON IL 157 MUST BE COMPLETED PRIOR TO ANY INTERSTATE CLOSURE. ALL PATCHING QUANTITIES ARE APPROXIMATE.
- SHOULDER WIDENING FOR THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT SHALL BE INCLUDED IN THE UNIT PRICE OF THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT AND CONSTRUCTED ACCORDING TO STANDARD 630301.

DRAINAGE

- THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.
- CONNECTING OF NEW OR EXISTING PIPE DRAINS TO NEW OR EXISTING DRAINAGE STRUCTURES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF A DRAINAGE STRUCTURE, PIPE DRAINS SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTOR TO PROVIDE A SMOOTH, ROUNDED, OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PIPE DRAINS AND DRAINAGE STRUCTURES INVOLVED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & COMMITMENTS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	3
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ABBREVIATIONS

25. THE FOLLOWING SYMBOLS AND ABBREVIATIONS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

- AD ALGEBRAIC DIFFERENCE IN GRADE
- BVCE BEGINNING OF VERTICAL CURVE ELEVATION
- BVCS BEGINNING OF VERTICAL CURVE STATION
- BO BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
- CONSTR CONSTRUCTION
- CP CONTROL POINT
- ESMT EASEMENT
- ELEV ELEVATION
- EVCE END OF VERTICAL CURVE ELEVATION
- EVCS END OF VERTICAL CURVE STATION
- K LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
- NB NORTHBOUND
- N/F NOW OR FORMERLY
- O/C OIL AND CHIP
- PERM PERMANENT
- PVI POINT OF VERTICAL INTERSECTION
- PVC POLYVINYL CHLORIDE PIPE
- PPT PARAPET
- SB SOUTHBOUND
- TCE TEMPORARY CONSTRUCTION EASEMENT
- TUP TEMPORARY USE PERMIT
- TBA TO BE ADJUSTED
- TBRL TO BE RELOCATED
- TRANS TRANSITION
- TYP TYPICAL
- W WIDTH

COMMITMENTS

NONE

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	4
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
20200100	EARTH EXCAVATION	CU YD	800	800										
20300100	CHANNEL EXCAVATION	CU YD	2,616							2,616				
25000210	SEEDING, CLASS 2A	ACRE	0.4	0.4										
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36										
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36										
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36										
25100115	MULCH, METHOD 2	ACRE	0.4	0.4										
28000400	PERIMETER EROSION BARRIER	FOOT	483	483										
28000500	INLET AND PIPE PROTECTION	EACH	7	7										
28100105	STONE RIPRAP, CLASS A3	SQ YD	5,074	5,000					57			17		
28100107	STONE RIPRAP, CLASS A4	SQ YD	2,642								2,642			
28200200	FILTER FABRIC	SQ YD	7,702	5,000					57		2,642	3		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,765	2,765										
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	82,688	82,688										

NOTES: * - SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	5
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD_Drawing\17025\17025-002.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 (ST CLAIR AVE)	SN 082-0239 (HARD. DITCH)	SN 082-0241 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	142,814	142,814										
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	7,100	7,100										
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	4,496	4,496										
40600990	TEMPORARY RAMP	SQ YD	985	985										
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	2,736	2,736										
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	1,569			181	273	222	515	378				
40605034	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	TON	43,015	43,015										
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	2,000	2,000										
42001300	PROTECTIVE COAT	SQ YD	6,917	6,917										
42100200	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	3,889	3,889										
42100615	PAVEMENT REINFORCEMENT	SQ YD	3,889	3,889										
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1,284	671		613								
42400800	DETECTABLE WARNINGS	SQ FT	133	133										
44000100	PAVEMENT REMOVAL	SQ YD	5,889	5,889										

NOTES: * - SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	6
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	322	322											
44000300	CURB REMOVAL	FOOT	6,166	6,166											
44000400	GUTTER REMOVAL	FOOT	4,147	4,147											
44000600	SIDEWALK REMOVAL	SQ FT	918	305		613									
44001980	CONCRETE BARRIER REMOVAL	FOOT	32,184	32,184											
44004250	PAVED SHOULDER REMOVAL	SQ YD	4,498	4,498											
44200050	WELDED WIRE REINFORCEMENT	SQ YD	1,240	1,240											
44200525	CLASS A PATCHES, TYPE I, 8 INCH	SQ YD	30	30											
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	60	60											
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	120	120											
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SQ YD	100	100											
44200537	CLASS A PATCHES, TYPE I, 9 INCH	SQ YD	650	650											
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	1,300	1300											
44200545	CLASS A PATCHES, TYPE III, 9 INCH	SQ YD	2,550	2550											

NOTES: * - SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES
 SCALE: SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	7
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 (ST CLAIR AVE)	SN 082-0239 (HARD. DITCH)	SN 082-0241 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	1,900	1,900										
44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	30	30										
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	60	60										
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	120	120										
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	100	100										
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	500	500										
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	650	650										
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	500	500										
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	14	14										
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	87	87										
44201299	DOWEL BARS 1 1/2"	EACH	1,840	1,840										
44213000	PATCHING REINFORCEMENT	SQ YD	7,020	7,020										
44213200	SAW CUTS	FOOT	38,441	38,441										
44213204	TIE BARS 3/4"	EACH	556	556										

NOTES: * - SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	8
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,727	1,727											
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,779	1,779											
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	2,161	2,161											
48203100	HOT-MIX ASPHALT SHOULDERS	TON	26,394	26,394											
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	1,934	1,934											
50102400	CONCRETE REMOVAL	CU YD	491.5		9.7	48.3	89.0	103.7	119.9	120.9					
50157300	PROTECTIVE SHIELD	SQ YD	2,630			63	98		2,469						
50200100	STRUCTURE EXCAVATION	CU YD	50.2							50.2					
50300225	CONCRETE STRUCTURES	CU YD	22.7							22.7					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	633.7		9.7	53.3	96.7	102.5	141.5	230.0					
50300300	PROTECTIVE COAT	SQ YD	956		30	143	154	208	286	135					
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6,930			6,930									
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	87,800		1,250	6,620	17,210	12,810	17,230	32,680					
50800515	BAR SPLICERS	EACH	68			68									

NOTES: * - SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	9
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
52000110	PREFORMED JOINT STRIP SEAL	FOOT	1,232		76	182	294	320	360						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6											
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	17,847			2,159	2,434	2,634	6,131	4,489					
58700300	CONCRETE SEALER	SQ FT	16,344			4,768	2,274	2,487	6,815						
59200103	BRIDGE WASHING NO. 3	EACH	1				1								
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	7							3	4				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	204	204											
60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	114,361	114,361											
60100945	PIPE DRAINS 12"	FOOT	692	692											
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	115,456	115,456											
60108300	PIPE UNDERDRAINS 8" (SPECIAL)	FOOT	6,880	6,880											
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	144	144											
60500060	REMOVING INLETS	EACH	16	16											
60600605	CONCRETE CURB, TYPE B	FOOT	5,569	5,539							30				

NOTES: * - SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	10
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 (ST CLAIR AVE)	SN 082-0239 (HARD. DITCH)	SN 082-0241 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	481	481											
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	195	195											
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1,052	1,052											
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	11	11											
61000225	TYPE F INLET BOX, STANDARD 610001	EACH	5	5											
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	16,250	16,250											
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	14	14											
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	13	13											
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	19	19											
63100157	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22	22											
63200310	GUARDRAIL REMOVAL	FOOT	20,261	20,261											
63500105	DELINEATORS	EACH	610	610											
63700180	CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT	FOOT	1,171	1,171											
63700280	CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT	FOOT	18,350	18,350											

NOTES: * - SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	11
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 (ST CLAIR AVE)	SN 082-0239 (HARD. DITCH)	SN 082-0241 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
63700805	CONCRETE BARRIER TRANSITION	FOOT	870	870										
63700900	CONCRETE BARRIER BASE	FOOT	2,704	2,704										
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	65,409	65,409										
64300320	IMPACT ATTENUATORS (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 3	EACH	2	2										
67000100	MOBILIZATION	L SUM	0.5	0.5										
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1			1								
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	0.5	0.5										
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1										
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1										
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1										
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	21	21										
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1			1								
70106700	TEMPORARY RUMBLE STRIPS	EACH	6			6								
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	1,800	1,800										

NOTES: * - SPECIALTY ITEM



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DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	12
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	384	384										
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	127	127										
70400100	TEMPORARY CONCRETE BARRIER	FOOT	961		961									
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	961		961									
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2		2									
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2		2									
72000300	SIGN PANEL - TYPE 3	SQ FT	4,659	4,659										
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	4,766	4,766										
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	22	22										
73000100	WOOD SIGN SUPPORT	FOOT	68	68										
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4	4										
73800905	REMOVE AND RE-ERECT OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	65	65										
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,233	2,233										
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	658	658										

NOTES: * - SPECIALTY ITEM



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DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	13
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES														
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)							
				0005	0013	0013	0013	0013	0013	0013	0013							
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	158,078	158,078														
78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	13,169	13,169														
78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	443	443														
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	94	94														
7800100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2,497	2,497														
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	385	385														
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	83	83														
78200020	CURB REFLECTORS	EACH	194	194														
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2,497	2,497														
80300100	LOCATING UNDERGROUND CABLE	FOOT	200	200														
80400100	ELECTRIC SERVICE INSTALLATION	EACH	3	3														
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1,965	1,965														
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	50	50														
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	170	170														

NOTES: * - SPECIALTY ITEM



USER NAME = b,hell
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	14
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
81104580	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	10	10											
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	19,326	19,326											
81301370	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	14	14											
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,255	3,255											
81603025	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	22	22											
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	4,827	4,827											
81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,162	2,162											
81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	8,528	8,528											
81702420	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	12,410	12,410											
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	136	136											
82500380	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	3	3											
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	65	65											
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	3	3											
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3	3											

NOTES: * - SPECIALTY ITEM

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PLOT DATE = 8/14/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	15
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES														
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)							
				0005	0013	0013	0013	0013	0013	0013	0013							
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3	3														
88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,497	1,497														
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12,721	12,721														
X0301242	PIEZO AXLE SENSOR, CLASS II	FOOT	69	69														
X0301271	REMOVE EXISTING UNDERDRAINS	FOOT	6,880	6,880														
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6	6														
X0323586	PIPE DRAIN REMOVAL	FOOT	692	692														
X0326382	CONCRETE BARRIER BASE (SPECIAL)	FOOT	11,821	11,821														
X0327116	SOLAR POWER ASSEMBLY	EACH	1	1														
X0327303	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	EACH	35	35														
X0327321	INTERSTATE WEEKEND CLOSURE, SPECIAL	EACH	2	2														
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	10	10														
X2700010	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6"	FOOT	4,836	1,386													3,450	
X4201510	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL)	SQ YD	111	111														

NOTES: * - SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	16
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)				
				0005	0013	0013	0013	0013	0013	0013	0013				
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	1,474	1,474											
X4405018	LONGITUDINAL PARTIAL DEPTH REMOVAL 1 1/2"	FOOT	7,700	7,700											
X440A300	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH	SQ YD	7,651	7,651											
X4420553	CLASS A PATCHES, TYPE II, 10 INCH (SPECIAL)	SQ YD	473	473											
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	192	192											
X4832500	PORTLAND CEMENT CONCRETE SHOULDERS 12" (SPECIAL)	SQ YD	528	528											
X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	265			265									
X5420612	PIPE CULVERTS TO BE CLEANED 12"	FOOT	88	88											
X6015000	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	204	204											
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	4,147	4,147											
X6100510	REMOVE AND REPLACE INLET BOX 610001 GRATES	EACH	4		4										
X6350120	DELINEATOR REMOVAL	EACH	581	581											
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2	2											
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	10	10											

NOTES: * - SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	17
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES														
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)							
				0005	0013	0013	0013	0013	0013	0013	0013							
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.5	0.5														
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	4	4														
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1		1													
X7200085	REPLACE AND TIGHTEN SIGN MOUNTING CLIPS PER EACH SIGN	EACH	12	12														
X7330066	REPAIR HANDRAIL LOCKING PIN CONNECTION	EACH	41	41														
X7330069	TIGHTEN END SUPPORT CONNECTION	EACH	4	4														
X7330112	SAFETY CHAIN	EACH	16	16														
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	65	65														
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	158,078	158,078														
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	13,169	13,169														
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	443	443														
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	94	94														
X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	4	4														
X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	67	67														

NOTES: * - SPECIALTY ITEM



USER NAME = b,hell
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	18
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES														
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)							
				0005	0013	0013	0013	0013	0013	0013	0013							
X8630103	CONTROLLER CABINET TYPE III, SPECIAL	EACH	1	1														
X8730810	ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	1,940	1,940														
X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	3.5	3.5														
X8860400	DETECTOR LOOP, SPECIAL	FOOT	660	660														
Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	111	111														
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	7,200			7,200												
Z0001905	STRUCTURAL STEEL REPAIR	POUND	4,140			1,260				2,880								
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1													
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1			1												
Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1							1								
Z0007107	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1								1							
	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 18	L SUM	1		1													
	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 19	L SUM	1			1												
Z0010400	CLEANING BRIDGE SEATS	SQ FT	9,250			4,768	2,274	1,075	1,133									

NOTES: * - SPECIALTY ITEM

REV. - MS

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	B2-(3,2)RS	ST. CLAIR	280	19
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES										
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)			
				0005	0013	0013	0013	0013	0013	0013	0013			
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1									
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1			1								
Z0010506	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1							1				
Z0010507	CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1									1		
Z0010518	CLEANING AND PAINTING STEEL BRIDGE NO. 18	L SUM	1							1				
Z0010519	CLEANING AND PAINTING STEEL BRIDGE NO. 19	L SUM	1									1		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3,973			1,516	689	453	987	328				
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SQ YD	316,567	316,567										
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.5	0.5										
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	19					7		12				
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	799			8	19		772					
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	548			23	124	20	347	34				
Z0016702	DETOUR SIGNING	L SUM	0.5	0.5										
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	3							3				

NOTES: * - SPECIALTY ITEM



USER NAME = b,hell	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/8/2019	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 16 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	20
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES														
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 (ST CLAIR AVE)	SN 082-0239 (HARD. DITCH)	SN 082-0241 (1-64)							
				0005	0013	0013	0013	0013	0013	0013	0013							
Z0030904	TIGHTEN SPLICE FLANGE	EACH	5	5														
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	297,823	286,768		706	1,566	1,918	3,895	2,970								
Z0034105	MATERIAL TRANSFER DEVICE	TON	45,751	45,751														
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.5	0.5														
Z0077598	DRILL WEEP HOLE	EACH	32	32														
	CLEANING AND PAINTING ALUMINUM RAILING	L SUM	1			1												
	LIGHT POLE, ALUMINUM, 45 FT, 2-8 FT MAST ARMS	EACH	68	68														

NOTES: • - SPECIALTY ITEM

REV. - MS



USER NAME = b.heil	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

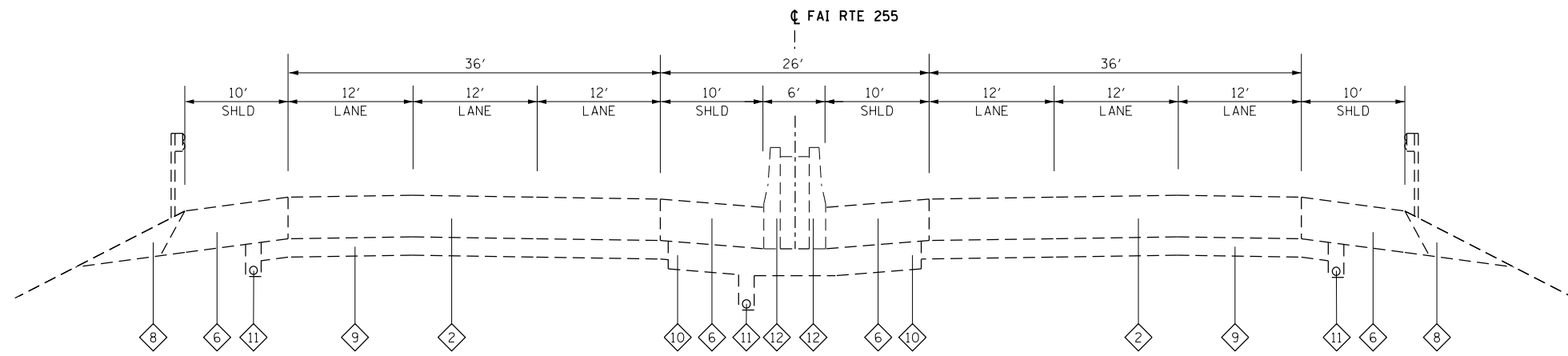
SET 1 SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	B2-(3,2)RS	ST. CLAIR	280	21
CONTRACT NO.			76E13	
ILLINOIS FED. AID PROJECT				

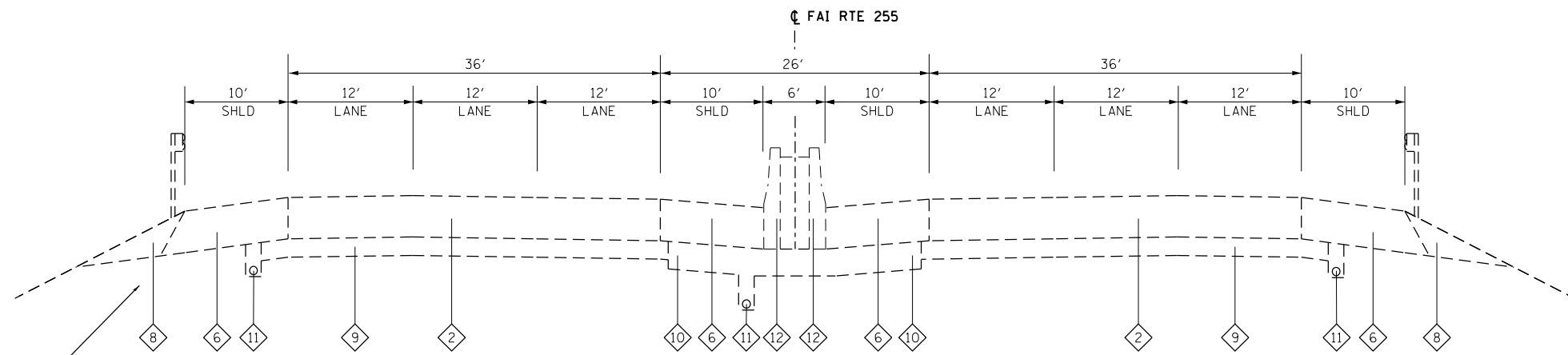
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24



FAI ROUTE 255 – EXISTING TYPICAL TANGENT SECTION

STA. 814+80 TO STA. 818+19
 BRIDGE OMISSION STA. 818+19 TO STA. 820+69 (IL ROUTE 15)
 STA. 820+69 TO STA. 853+91
 STA. 892+75 TO STA. 918+75
 BRIDGE OMISSION STA. 918+75 TO STA. 920+43 (STATE ST.)
 STA. 920+43 TO STA. 934+37
 BRIDGE OMISSION STA. 934+37 TO STA. 936+09 (SUMMIT AVE.)



FAI ROUTE 255 – EXISTING TYPICAL TANGENT SECTION

STA. 810+78 TO STA. 814+80

SEE DETAIL A

MODEL: Default
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USER NAME = stephanie.jee	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

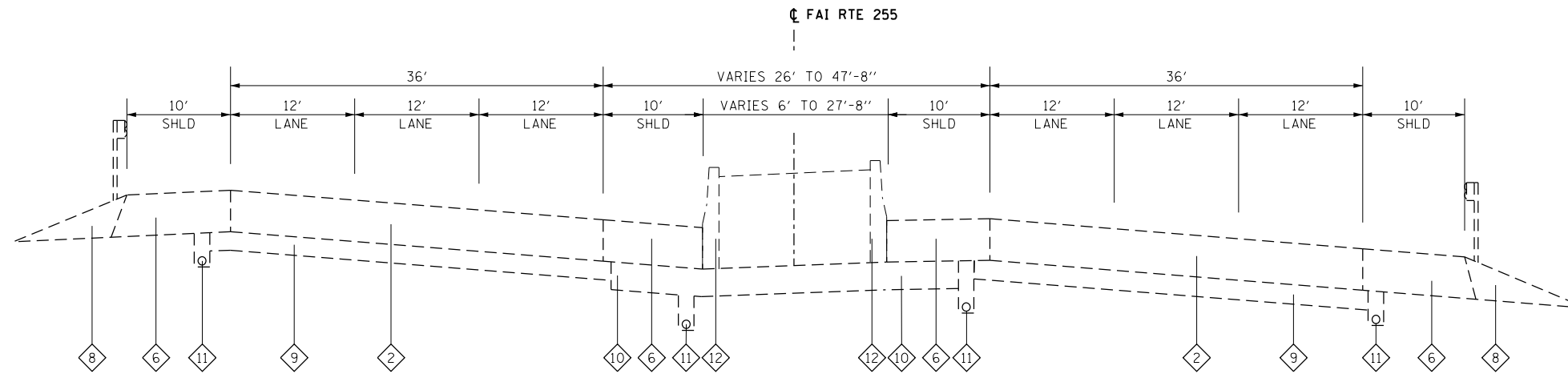
**EXISTING TYPICAL SECTIONS
 FAI ROUTE 255**

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	22
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

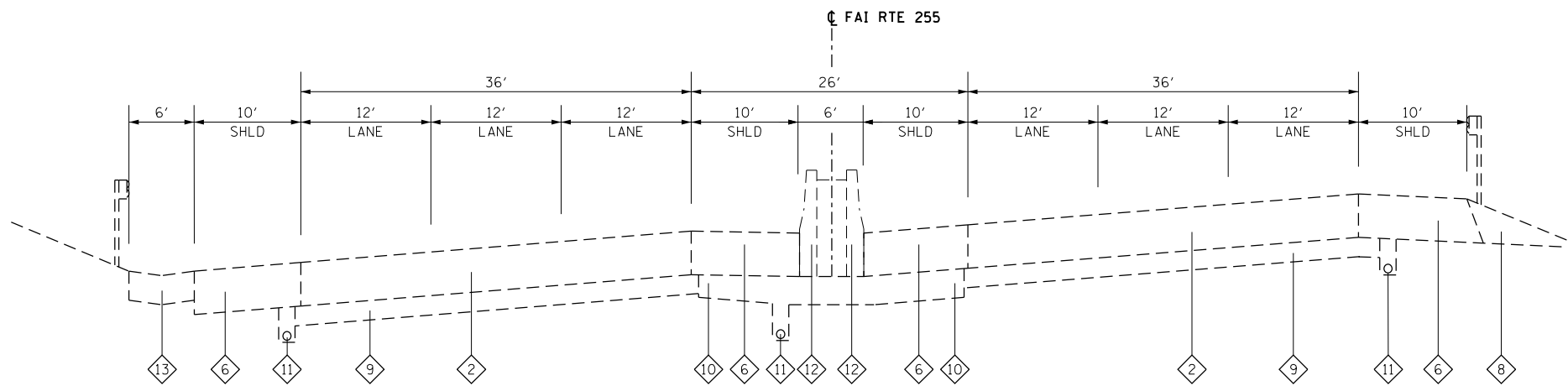
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24



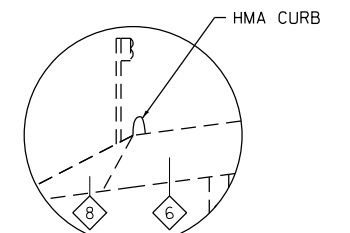
FAI ROUTE 255 – EXISTING TYPICAL SUPERELEVATED SECTION

STA. 936+09 TO STA. 943+29
BRIDGE OMISSION STA. 943+29 TO STA. 948+27 (ST. CLAIR AVE.)



FAI ROUTE 255 – EXISTING TYPICAL SUPERELEVATED SECTION

STA. 853+91 TO STA. 892+75



DETAIL A

STA. 895+00 TO STA. 918+67 LT
STA. 935+90 TO STA. 943+40 RT
STA. 948+17 TO STA. 1004+67 LT

MODEL: Default
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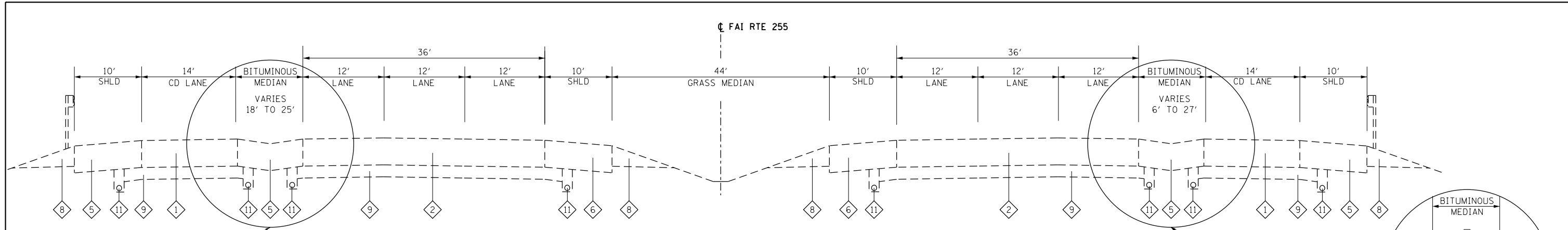
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PLOT DATE = 8/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
FAI ROUTE 255**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	23
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



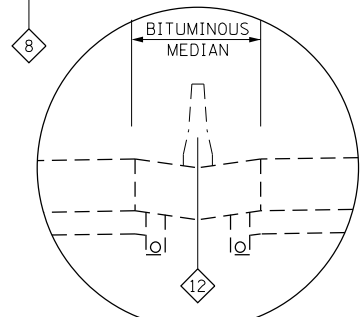
FAI ROUTE 255 - EXISTING TYPICAL TANGENT SECTION (CD)

STA. 1014+38 TO STA. 1024+40 (EXCLUDES NB CD LANE - SEE DETAIL C)
 BRIDGE OMISSION STA. 1019+36 TO STA. 1022+12 (HARDING DITCH - NB)
 BRIDGE OMISSION STA. 1021+24 TO STA. 1024+00 (HARDING DITCH - SB)
 STA. 1024+40 TO STA. 1029+78

SEE DETAIL B

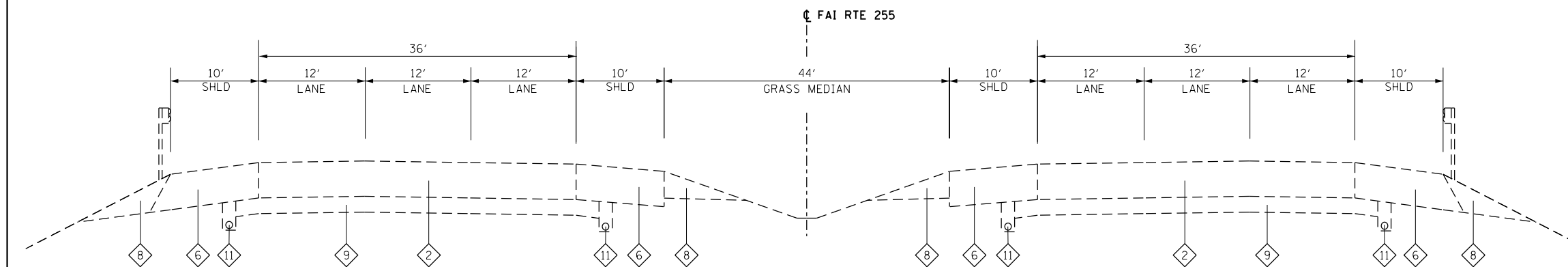
SEE DETAIL B

SEE DETAIL C



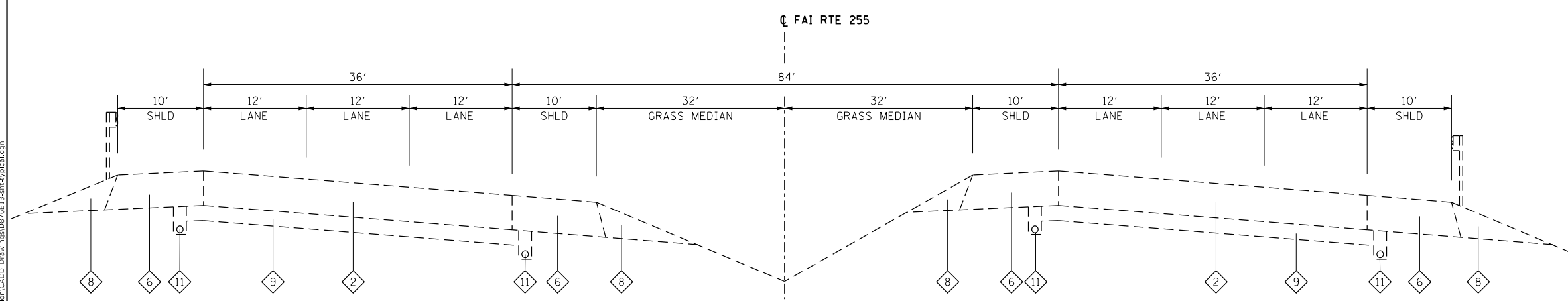
DETAIL B

NB STA. 1027+75 TO STA. 1064+50
 SB STA. 1027+15 TO STA. 1064+50



FAI ROUTE 255 - EXISTING TYPICAL TANGENT SECTION

NB STA. 1004+40 TO STA. 1014+38
 SB STA. 1003+90 TO STA. 1014+38

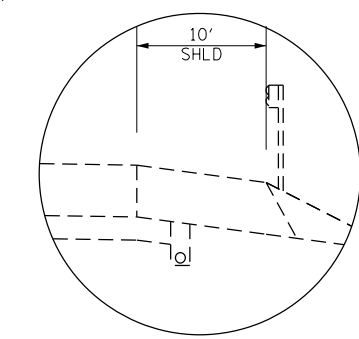


FAI ROUTE 255 - EXISTING TYPICAL SUPERELEVATED SECTION

NB STA. 948+37 TO STA. 1004+40
 SB STA. 948+27 TO STA. 1003+90

TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24



DETAIL C

STA. 1014+38 TO STA. 1024+40

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USER NAME = stephanie.jee
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 8/2/2019

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

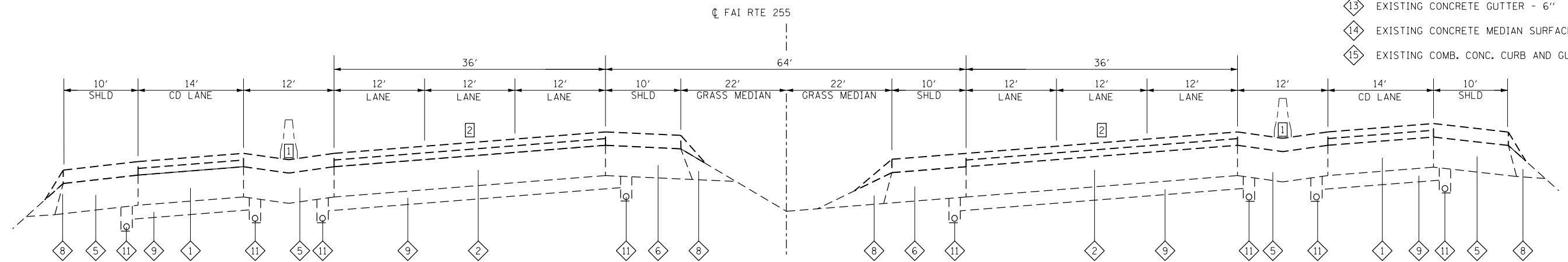
**EXISTING TYPICAL SECTIONS
 FAI ROUTE 255**

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	24
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

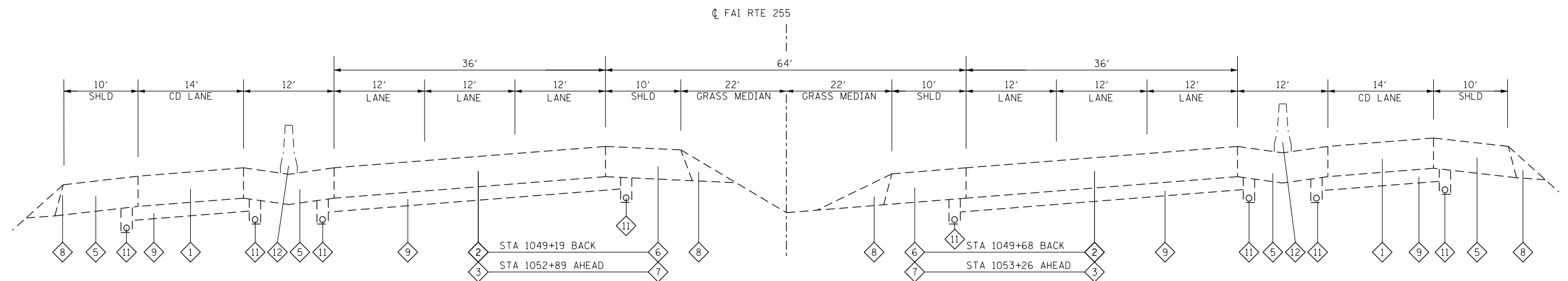
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
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- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
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- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24



FAI ROUTE 255 – EXISTING TYPICAL SUPERELEVATED SECTION

STA. 1063+20 TO STA. 1068+10 NB
 STA. 1063+20 TO STA. 1068+77 SB



FAI ROUTE 255 – EXISTING TYPICAL SUPERELEVATED SECTION

STA. 1029+78 TO STA. 1049+19
 BRIDGE OMISSION STA. 1049+68 TO STA. 1053+26 (I-64 - NB)
 STA. 1049+19 TO STA. 1052+89 (I-64 - SB)
 STA. 1053+26 TO STA. 1063+20

TYPICAL SECTION NOTES

- 1 EXISTING TEMPORARY CONCRETE BARRIER
- 2 EXISTING HMA OVERLAY, 4"

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USER NAME = stephanie.jee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

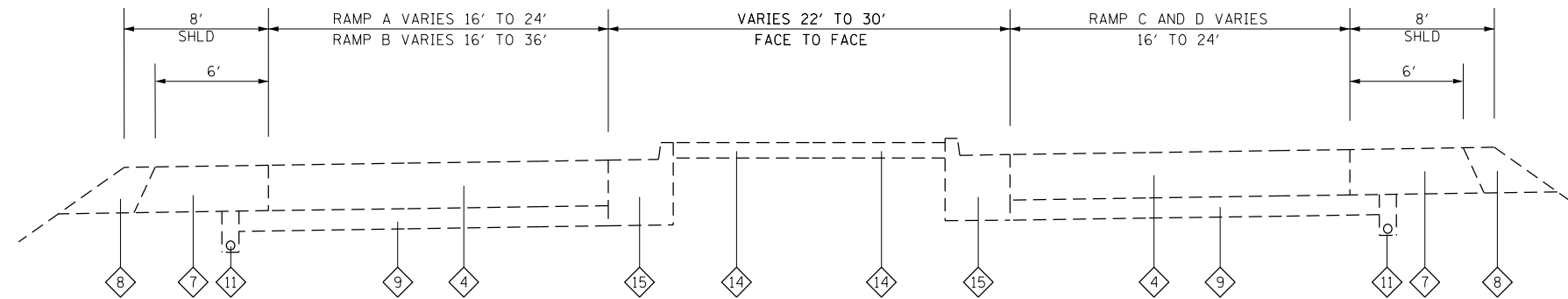
**EXISTING TYPICAL SECTIONS
 FAI ROUTE 255**

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	25
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

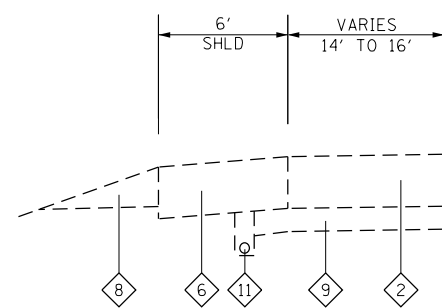
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24

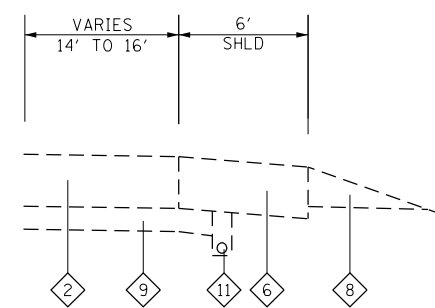


EXISTING RAMP – STATE STREET

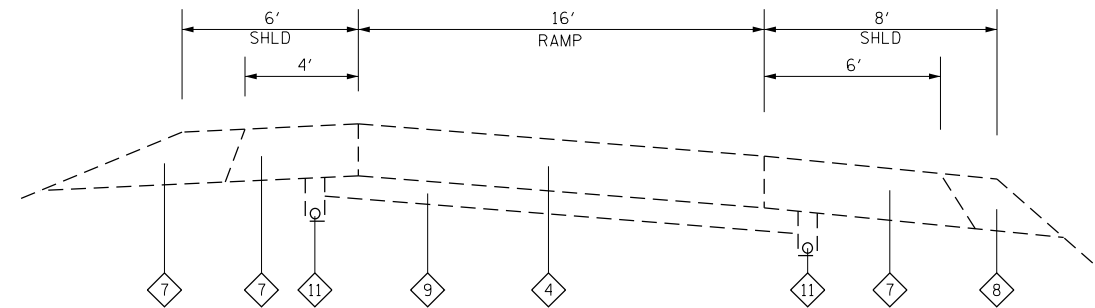
RAMP C STA. 1+52 TO STA. 9+16 (RAMPS B & C)
 RAMP A STA. 1+58 TO STA. 14+50 (RAMPS A & D)



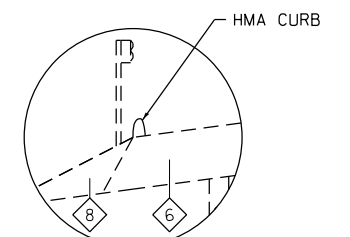
EXISTING SB AUXILIARY LANES



EXISTING SB AUXILIARY LANES



EXISTING RAMP – TYPICAL INTERCHANGE



DETAIL A

RT 15 INTERCHANGE:
 RAMP 3 STA. 818+22 TO STA. 5+98 RT
 RAMP 4 STA. 8+00 TO STA. 818+16 RT
 RAMP 5 STA. 10+32 TO STA. 820+73 RT
 RAMP 6 STA. 820+66 TO STA. 1+44 RT

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
 FAI ROUTE 255**

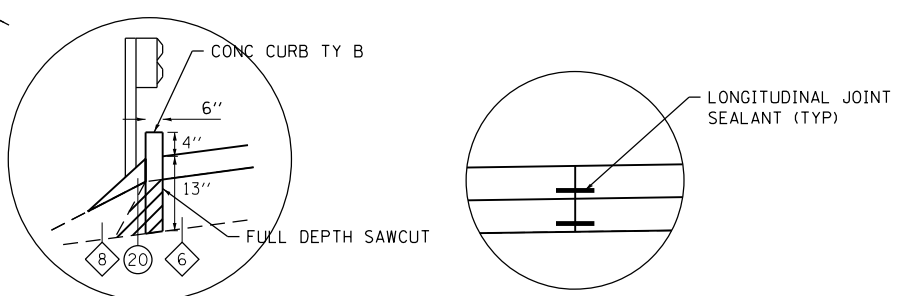
SCALE: NTS SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	26
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION LEGEND

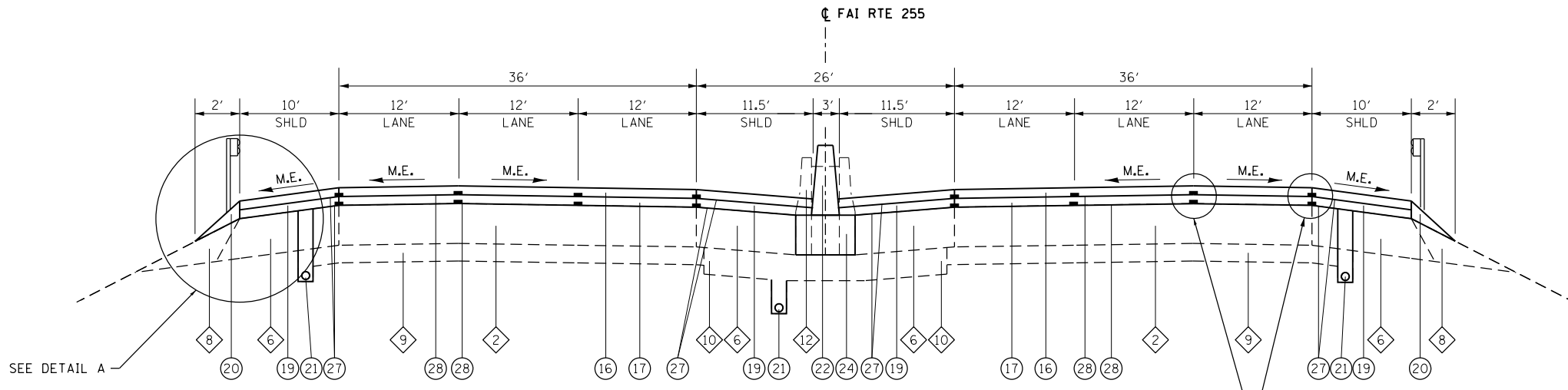
- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT

REMOVAL LEGEND
 PAVED SHOULDER REMOVAL

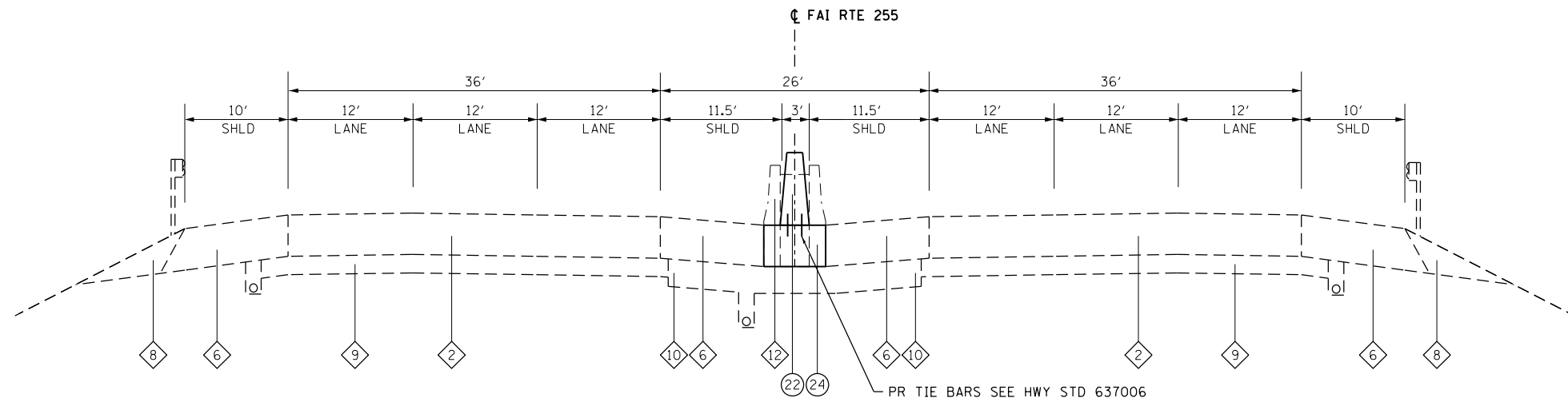


DETAIL A
 STA. 895+00 TO STA. 918+67 LT
 STA. 935+90 TO STA. 943+40 RT
 STA. 948+17 TO STA. 1004+67 LT

DETAIL B
 TYPICAL FOR ENTIRE PROJECT



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION
 STA. 814+80 TO STA. 818+19
 BRIDGE OMISSION STA. 818+19 TO STA. 820+69 (IL ROUTE 15)
 STA. 820+69 TO STA. 853+91
 STA. 892+75 TO STA. 918+75
 BRIDGE OMISSION STA. 918+75 TO STA. 920+43 (STATE ST.)
 STA. 920+43 TO STA. 934+37
 BRIDGE OMISSION STA. 934+37 TO STA. 936+09 (SUMMIT AVE.)



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION
 STA. 810+78 TO STA. 814+80

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/30/2019	CHECKED -	REVISED -
	DATE -	REVISED -

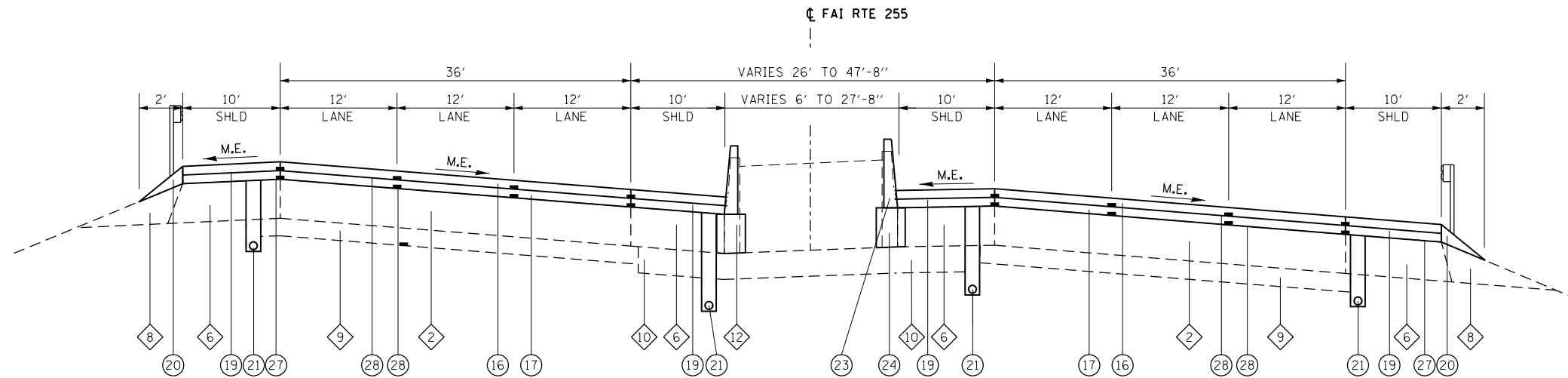
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS FAI ROUTE 255			
SCALE: NTS	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.I. RTE. 255	SECTION 82(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 27
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

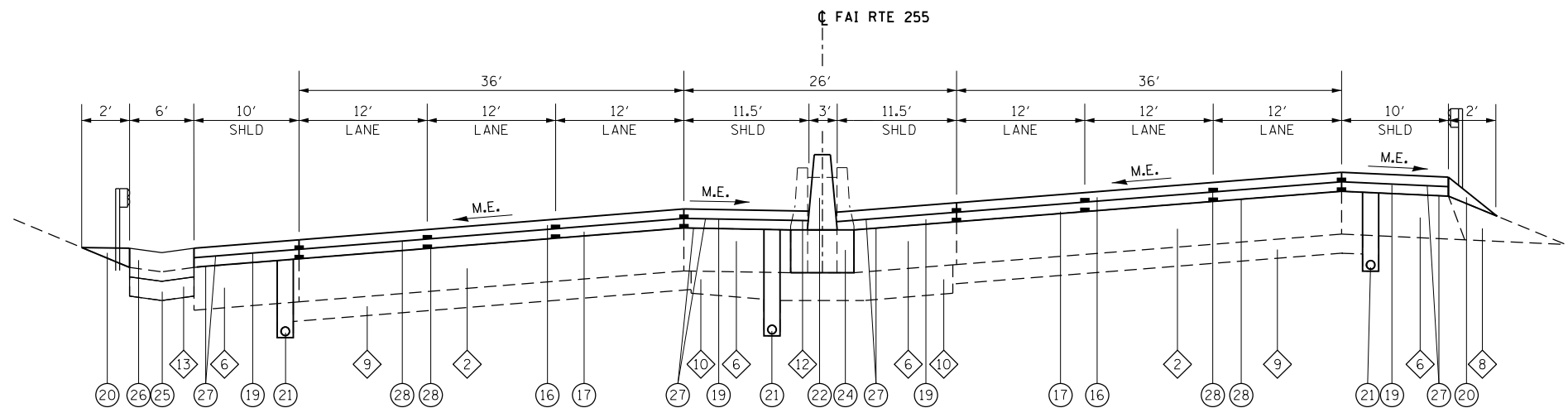
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 936+09 TO STA. 943+29
BRIDGE OMISSION STA. 943+29 TO STA. 948+27 (ST. CLAIR AVE.)



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 853+91 TO STA. 892+74

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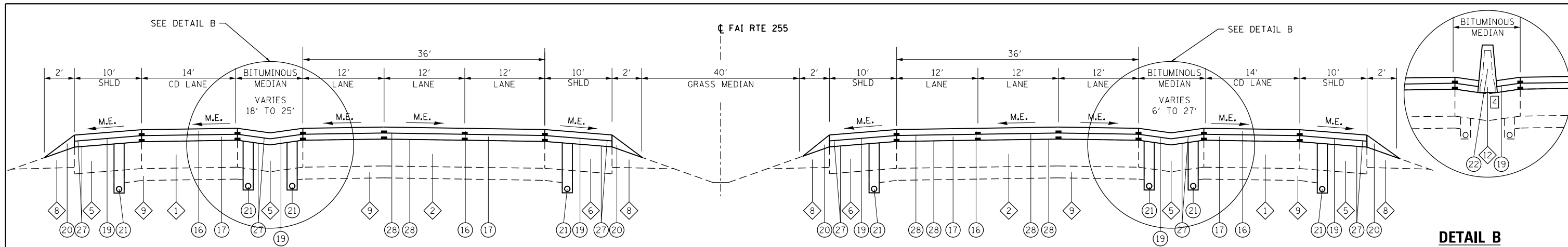
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PLOT DATE = 8/30/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
FAI ROUTE 255**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	28
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

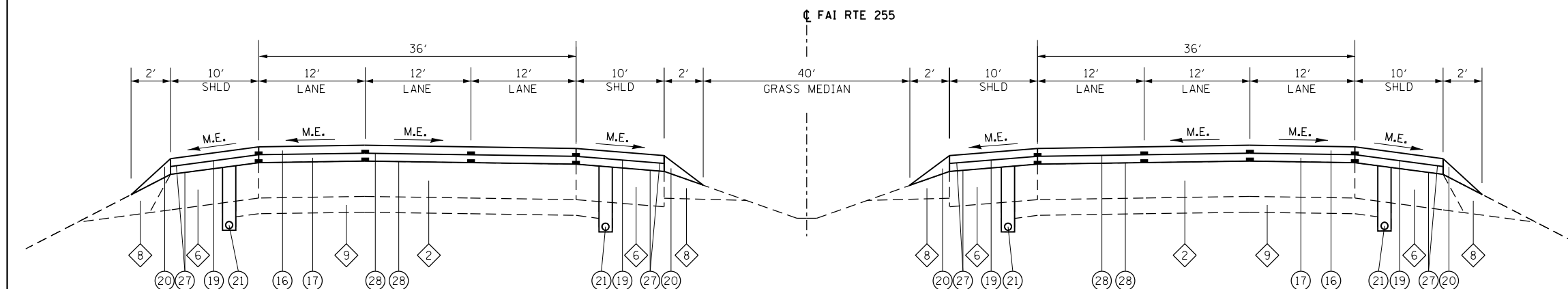


FAI ROUTE 255 – PROPOSED TYPICAL TANGENT SECTION (CD)

STA. 1014+38 TO STA. 1024+40 (EXCLUDES NB CD LANE)
 BRIDGE OMISSION STA. 1019+36 TO STA. 1022+12 (HARDING DITCH - NB)
 BRIDGE OMISSION STA. 1021+24 TO STA. 1024+00 (HARDING DITCH - SB)
 STA. 1024+40 TO STA. 1029+78

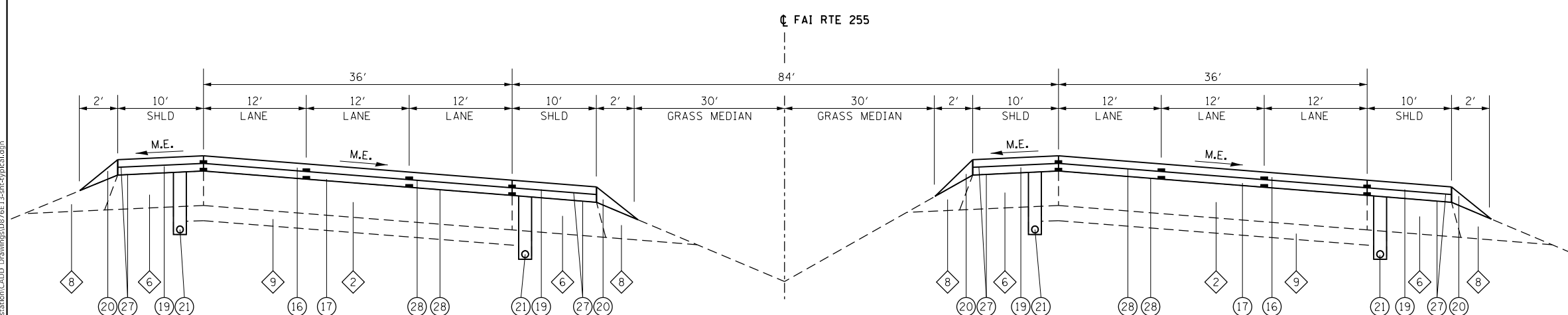
DETAIL B

NB STA. 1027+75 TO STA. 1064+50
 SB STA. 1027+15 TO STA. 1064+50



FAI ROUTE 255 – PROPOSED TYPICAL TANGENT SECTION

NB STA. 1004+40 TO STA. 1014+38
 SB STA. 1003+90 TO STA. 1014+38



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

NB STA. 948+37 TO STA. 1004+40
 SB STA. 948+27 TO STA. 1003+90

TYPICAL SECTION NOTES

[4] 8" CONCRETE BARRIER BASE. RE WILL DETERMINE EXTENT OF REPLACEMENT, IF ANY.

TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9,24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT

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 PLOT DATE = 8/30/2019

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
 FAI ROUTE 255

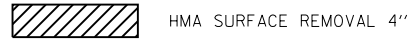
SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	29
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION NOTES

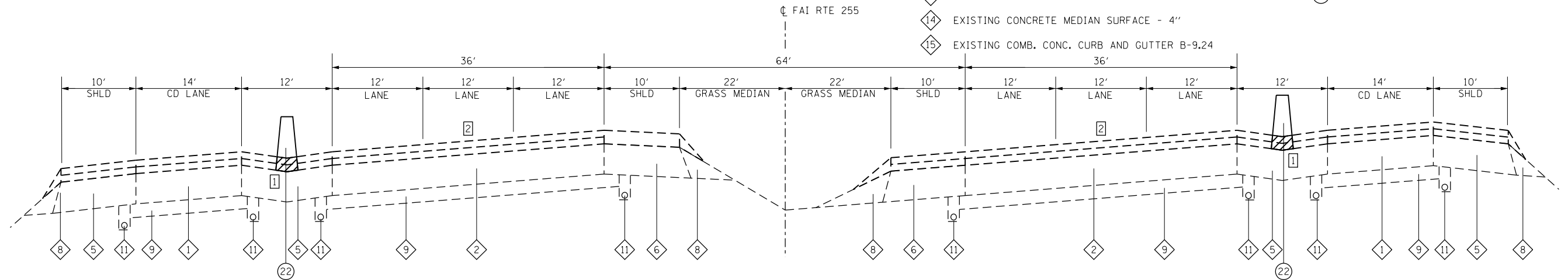
- 1 EXISTING MEDIAN BARRIER ALONG COLLECTOR-DISTRIBUTOR ROADWAY HAS 8" CONCRETE BARRIER BASE, RE WILL DETERMINE EXTENT OF REPLACEMENT, IF ANY.
- 2 EXISTING HMA OVERLAY

REMOVAL LEGEND



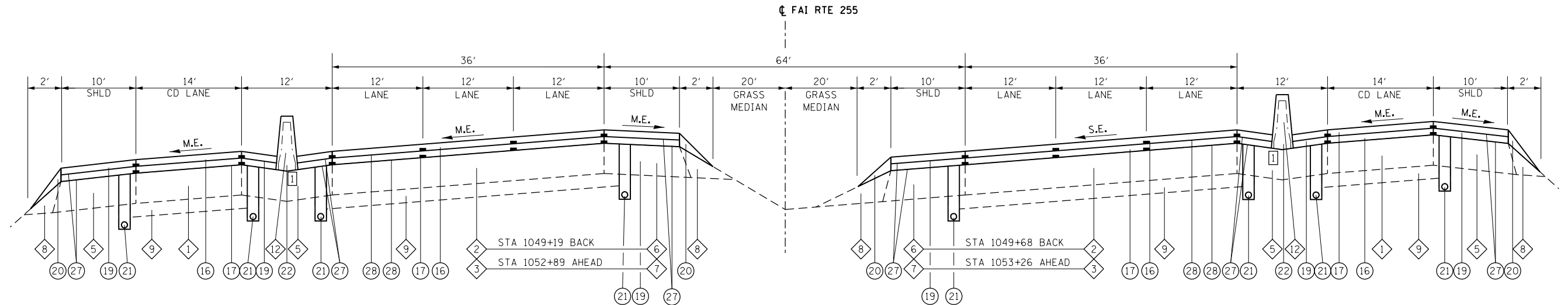
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 1063+20 TO STA. 1068+10 NB
 STA. 1063+20 TO STA. 1068+77 SB



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 1029+78 TO STA. 1049+19
 BRIDGE OMISSION STA. 1049+68 TO STA. 1053+26 (I-64 - NB)
 STA. 1049+19 TO STA. 1052+89 (I-64 - SB)
 STA. 1053+26 TO STA. 1063+20

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = b.heil	DESIGNED -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

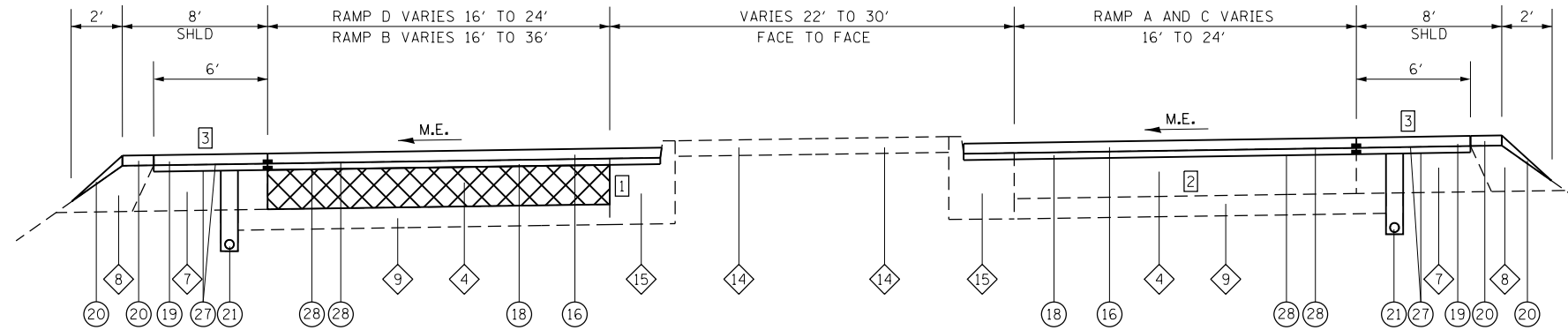
**PROPOSED TYPICAL SECTIONS
 FAI ROUTE 255**

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	30
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION LEGEND

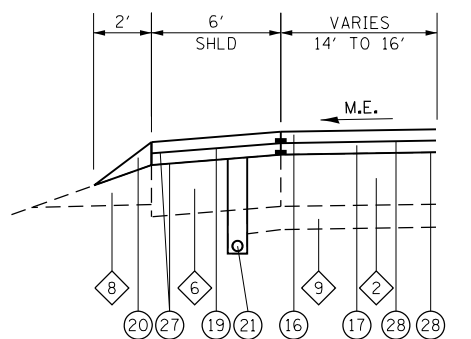
- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
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- 7 EXISTING BITUMINOUS SHOULDERS - 10"
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- 9 EXISTING STABILIZED SUB-BASE - 4"
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- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
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- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
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- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT



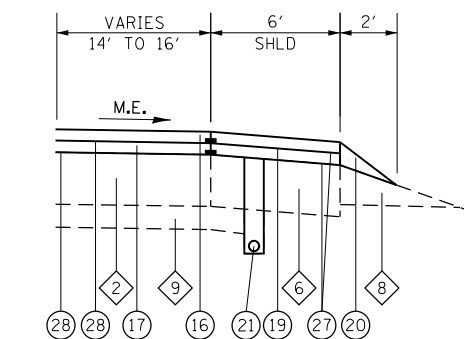
PROPOSED RAMP - STATE STREET

RAMP C STA. 1+52 TO STA. 9+16 (RAMPS B & C)
 RAMP A STA. 1+58 TO STA. 14+50 (RAMPS A & D)

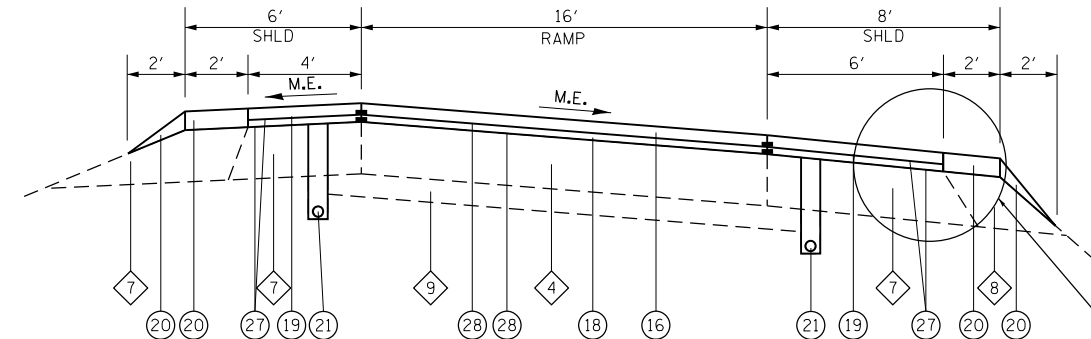
REMOVAL LEGEND



PROPOSED SB AUXILIARY LANES

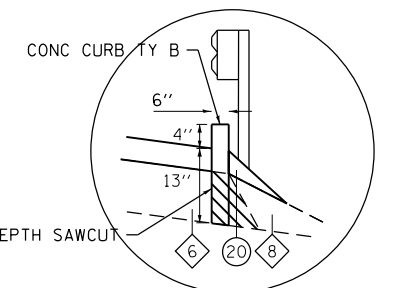


PROPOSED NB AUXILIARY LANES



PROPOSED RAMP - TYPICAL INTERCHANGE

SEE DETAIL A



DETAIL A

RT 15 INTERCHANGE:
 RAMP 3 STA. 818+22 TO STA. 5+98 RT
 RAMP 4 STA. 8+00 TO STA. 818+16 RT
 RAMP 5 STA. 10+32 TO STA. 820+73 RT
 RAMP 6 STA. 820+66 TO STA. 1+44 RT

TYPICAL SECTION NOTES

- 1 PAVEMENT REMOVAL & PCC PAVEMENT 10" (JOINTED), SEE STATE STREET DETAILS
- 2 FULL DEPTH PATCHING LOCATIONS VARY THROUGHOUT RAMPS, SEE STATE STREETS DETAILS
- 3 MILL AND RESURFACE RAMP SHOULDERS, SEE STATE STREET DETAILS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
 FAI ROUTE 255

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	31
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default FILE NAME: I:\R117025\17025.002\CADD\Microstation\CADD_Drawing\81876E13-shc-spl.dgn



USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/30/2019	CHECKED -	REVISED -
	DATE -	REVISED -

UNDERDRAIN

DIRECTION	LOCATION		PIPE UNDERDR T 1 6	PIPE UNDERDR T 1 6	PIPE UNDERDRAIN 8 SP	PIPE UNDERDRAIN 8 SP	CONC HDWL FOR P DRAIN	CONC HDWL FOR P DRAIN	SHOULDER REM & REPL	SHOULDER REM & REPL	PREF PL PM TB LTR-SYM	PREF PL PM TB LTR-SYM	COMMENTS
			DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	
	STATION	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	
FAU ROUTE 255 NORTHBOUND													
NB	814+00	818+00	200	400	15	5	1		200	400	2		CONNECT DL MAINLINE PIPE UNDERDRAIN TO RAMP PIPE UNDERDRAIN
NB	821+00	825+00	200		15				200				
NB	825+00	829+00	400		30		1		400		2		
NB	829+00	834+00	470		15		1		470		2		CONNECT DL MAINLINE PIPE UNDERDRAIN TO RAMP PIPE UNDERDRAIN
NB	834+00	840+00											STA 834+00 TO 840+00 DRAIN PIPE INCLUDED IN RAMP SCHEDULE
NB	840+00	844+50											STA 840+00 TO 844+50 DRAIN PIPE INCLUDED IN RAMP SCHEDULE
NB	844+50	849+00	450		30		1		450		2		STA 849+00 CREST LOCATION
NB	849+00	854+00	500		30		1		500		2		
NB	854+00	859+00	500		30		1		500		2		
NB	859+00	862+50	350		30		1		350		2		
NB	862+50	866+00	350		30		1		350		2		
NB	866+00	870+00	400		30		1		400		2		
NB	870+00	875+00	500		30		1		500		2		STA 875+00 SAG LOCATION
NB	875+00	877+50	250		30		1		250		2		
NB	877+50	881+00	350		30		1		350		2		
NB	881+00	885+00	400		30		1		400		2		
NB	885+00	889+00	400		30		1		400		2		
NB	889+00	893+20	420		30		1		420		2		
NB	893+20	898+50	530	530	30	10	1		530	530	2		
NB	898+50	903+90	540	540	30	10	1		540	540	2		
NB	903+90	908+00	410	410	30	5	1		410	410	2		
NB	908+00	912+00	400	400	30		1		400	400	2		
NB	912+00	916+00	400	400	30		1		400	400	2		
NB	916+00	918+67	267	267	30		1		267	267	2		
NB	921+50	926+00	450		15				450				STA 920+50 SPECIAL PIPE DRAINS INTO STRUCTURE
NB	926+00	927+60	160		30		1		160		2		
NB	927+60	929+00	140		30		1		140		2		
NB	929+00	934+20	520		15		1		520		2		
NB	936+50	939+75	325	325	20	5			325	325			
NB	939+75	943+25	350	322	20		1		350	322	2		STA 943+25 SPECIAL PIPE DRAINS INTO STRUCTURE
NB	948+50	1005+00	290	315	20	15			290	315			
NB	1005+00	1009+00	400	400	30	30	1	1	400	400	2	2	
NB	1009+00	1013+00	400	400	30	30	1	1	400	400	2	2	
NB	1013+00	1017+00	400	400	30	30	1	1	400	400	2	2	
NB	1017+00	1022+00	200	250	20	30	1	1	200	250	2	2	
NB	1022+50	1026+15	365	315	30	30	1	1	365	315	2	2	INCLUDES 2 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1026+15	1029+80	950	365	70	30	1	1	950	365	2	2	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1029+80	1033+50	1,110	370	70	30	1	1	1,110	370	2	2	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1033+50	1036+10	520	260	40	30		1	520	260		2	INCLUDES 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1036+10	1040+00	905	390	50	30		1	905	390		2	INCLUDES 3 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1040+00	1046+00	1,800	600	85	30	1	1	1,800	600	2	2	INCLUDES 2 - (10 FT) AND 3 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1046+00	1049+35	670	270	35	15	1	1	670	270	2	2	INCLUDES 1 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1053+30	1058+30	945	500	55	15		1	945	500		2	INCLUDES 2 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1058+30	1059+00	210	70	35	15	1		210	70	2		INCLUDES 1 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1059+00	1061+90	870	290	20	15		1	870	290		2	INCLUDES 1 - (10 FT) UNDERDRAIN OUTLET IN C-D ROAD
NB	1061+90	1064+00	630	210	20	15		1	630	210		2	INCLUDES 1 - (10 FT) UNDERDRAIN OUTLET IN C-D ROAD

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USER NAME = b.heil	DESIGNED -	REVISED -
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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET 1	OF 10 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	32
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

UNDERDRAIN (CONT.)

DIRECTION	LOCATION		PIPE UNDERDR T 1 6	PIPE UNDERDR T 1 6	PIPE UNDERDRAIN 8 SP	PIPE UNDERDRAIN 8 SP	CONC HDWL FOR P DRAIN	CONC HDWL FOR P DRAIN	SHOULDER REM & REPL	SHOULDER REM & REPL	PREF PL PM TB LTR-SYM	PREF PL PM TB LTR-SYM	COMMENTS
	STATION	STATION	DL (FOOT)	PL (FOOT)	DL (FOOT)	PL (FOOT)	DL (EACH)	PL (EACH)	DL (FOOT)	PL (FOOT)	DL (SQ FT)	PL (SQ FT)	
RAMP 3	818+00	4+00	800		45		1		800		2		STA 818+00 DL HEADWALL (MAINLINE STATION) - STA 1+20 TIE PIPE DRAIN INTO MAINLINE PIPE DRAIN
	4+00	9+00	1,000		60		2		1,000		4		
	9+00	14+00	1,000		60		4		1,000		8		
RAMP 4	2+00	6+00	700		60		2		700		4		STA 818+00 DL HEADWALL (MAINLINE STATION) - STA 1+20 TIE PIPE DRAIN INTO MAINLINE PIPE DRAIN
	6+00	10+00	800		60		2		800		4		
	10+00	818+00	600		45		3		600		6		
RAMP 5	2+00	4+00	400		45		1		400		2		STA 821+00 DL HEADWALL (MAINLINE STATION)
	4+00	9+00	1,000		60		2		1,000		4		
	9+00	821+00	950		45		3		950		6		
RAMP 6	821+00	4+25	820		45		1		820		2		STA 821+00 DL HEADWALL (MAINLINE STATION)
	4+25	9+25	1,000		60		2		1,000		4		
	9+25	14+00	950		75		4		950		8		
I-255/STATE STREET RAMPS													
RAMP A	2+00	6+00	400		30				400				STA 6+00 DL HEADWALL STA 8+00 DL HEADWALL
	6+00	10+00	615		45		2		615		4		
	10+00	15+00	910		45		2		910		4		
RAMP B	5+00	10+00	975		45		1		975		2		STA 17+00 DL HEADWALL STA 21+00 DL HEADWALL
	10+00	13+50	700		60		2		700		4		
	13+50	17+00	350		30		2		350		4		
RAMP C	2+00	7+00	500		30		1		500		2		STA 10+00 DL HEADWALL
	7+00	12+00	700		60		2		700		4		
	12+00	16+75	950		35		2		950		4		
RAMP D	4+50	8+00	600		20				600				STA 4+50 CONNECT PIPE UNDERDRAIN TO EX SS STRUCTURE
	8+00	12+00	800		60		2		800		4		
	12+00	16+00	550		45		2		550		4		
	16+00	20+00	400		30		2		400		4		STA 12+00 DL HEADWALL STA 12+50 HEADWALL
													STA 16+00 DL HEADWALL STA 20+00 HEADWALL
I-255/I-64 RAMPS													
RAMP B	2+00	8+00	1,200		60		2		1,200		4		STA 1053+30 DL HEADWALL (MAINLINE STATION)
	8+00	1053+30	900		45		3		900		6		
RAMP C	7+25	12+00	950		75		2		950		4		STA 9+00 DL HEADWALL
	12+00	17+00	1,000		60		2		1,000		4		
	17+00	22+00	1,000		60		2		1,000		4		
RAMP D	22+00	25+70	740		45		2		740		4		STA 22+00 HEADWALLS - STA25+70 HEADWALL INCLUDED IN MAINLINE SCHEDULE
	1048+60	1046+00	250		25				250				
	1046+00	4+90	880		45		1		880		2		
RAMP E	4+90	9+90	1,000		60		2		1,000		4		STA 5+00 DL HEADWALLS - STA 10+00 HEADWALLS
	9+90	12+45	500		75		4		500		8		
	1054+00	5+00	1,040		45		1		1,040		2		
RAMP F	5+00	10+00	1,000		60		4		1,000		8		
	1+95	2+80	180		45		1		180		2		
	2+80	7+80	1,000		60		2		1,000		4		
RAMP G	7+80	12+80	1,000		60		2		1,000		4		STA 5+00 DL HEADWALLS - STA 10+00 HEADWALLS
	12+80	1049+80	850		45		3		850		6		
	0+00	5+00	500		30		1		500		2		
RAMP H	5+00	10+00	920		50		1		920		2		STA 25+20 HEADWALL - STA 26+00 HEADWALL
	10+00	15+00	1,000		60		2		1,000		4		
	15+00	20+00	1,000		60		2		1,000		4		
	20+00	26+00	920		60		4		920		8		
SUBTOTAL			91,377	24,079	5,880	1,000	176	28	90,282	24,079	352	56	
TOTAL			115,456		6,880		204		114,361		408		

PIPE UNDERDRAIN NOTES:

- SB = SOUTHBOUND
- NB = NORTHBOUND
- DL = DRIVER'S LANE
- PL = PASSING LANE
- HDWL = HEADWALL
- REMOVAL QUANTITIES FOR EXISTING PIPE UNDERDRAIN OUTLET PIPES AND HEADWALLS ARE ASSUMED TO BE THE SAME QUANTITIES OF THE PROPOSED LOCATIONS. THE LOCATIONS FOR REMOVALS HAVE NOT BEEN SCHEDULED AND HAVE BEEN ASSUMED TO BE NEAR THE STATIONS OF THE PROPOSED OUTLETS.
- UNDERDRAIN (SPECIAL) THAT OUTLETS INTO EMBANKMENT ASSUMED TO BE 15' LONG
- UNDERDRAIN (SPECIAL) THAT OUTLETS INTO STRUCTURE ASSUMED TO BE 5' LONG (STA 814+00 TO STA 945+00)
- UNDERDRAIN (SPECIAL) THAT OUTLETS INTO STRUCTURE ASSUMED TO BE 10' LONG (STA 945+00 TO STA 1068+00)
- CONCRETE HEADWALL QUANTITY REFERENCES THE HEADWALL AT THE BEGINNING OF THE STATION SINCE TWO UNDERDRAIN (SPECIAL) CAN FIT IN A SINGLE HEADWALL
- QUANTITIES FOR COLLECTOR - DISTRIBUTOR ROADWAYS ARE INCLUDED IN THE DL COLUMN.

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	34
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE ADJUSTMENTS

STATION	NB			SB			REMARKS
	FR & GRATES	FR & GRATES	PCC SHLDS	FR & GRATES	FR & GRATES	PCC SHLDS	
	ADJUST DL	ADJUST PL	12 SPL PL	ADJUST DL	ADJUST PL	12 SPL PL	
	(EACH)	(EACH)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	
MAINLINE							
818+00		1	11		1	11	BRIDGE APPROACH INLET STRUCTURES
820+75	1			1			BRIDGE APPROACH INLET STRUCTURES
825+00		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
829+00		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
830+33		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
832+00					1	11	MEDIAN BARRIER DRAINAGE STRUCTURE
834+00		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
837+00					1	11	MEDIAN BARRIER DRAINAGE STRUCTURE
840+00		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
859+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
866+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
870+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
873+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
874+50		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
875+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
875+50		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
877+50		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
881+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
885+00		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
893+20		1	11		1	11	MEDIAN BARRIER DRAINAGE STRUCTURES
893+70				1			SHOULDER GUTTER STRUCTURE
898+50		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
903+90		1	11	1	1	11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER GUTTER STRUCTURE
920+60	1		11	1			BRIDGE APPROACH INLET STRUCTURES
926+00						11	MEDIAN BARRIER DRAINAGE STRUCTURES
927+60						11	MEDIAN BARRIER DRAINAGE STRUCTURES
929+00			11			11	MEDIAN BARRIER DRAINAGE STRUCTURES
934+00	1		11				BRIDGE APPROACH INLET STRUCTURE
934+40				1			BRIDGE APPROACH INLET STRUCTURE
936+50	1		11			11	MEDIAN BARRIER DRAINAGE STRUCTURES, SHOULDER STRUCTURE
943+05					1		BRIDGE APPROACH INLET STRUCTURE
943+25	1						DUAL BRIDGE APPROACH INLET STRUCTURES
948+50					1		BRIDGE APPROACH INLET STRUCTURE
948+70	1						BRIDGE APPROACH INLET STRUCTURE
1004+65	1						SHOULDER DRAINAGE STRUCTURE
1016+10				1			PAVED MEDIAN DRAINAGE STRUCTURE
1017+00				1			PAVED MEDIAN DRAINAGE STRUCTURE
1018+15				1			PAVED MEDIAN DRAINAGE STRUCTURE
1018+85		1		1			BRIDGE APPROACH INLET STRUCTURE
1019+80					1		PAVED MEDIAN DRAINAGE STRUCTURE AND APPROACH STRUCTURE
1021+25				1			PAVED MEDIAN DRAINAGE STRUCTURE
1022+00							BRIDGE APPROACH INLET STRUCTURE
1026+75	1						PAVED MEDIAN DRAINAGE STRUCTURE
1027+10				1			PAVED MEDIAN DRAINAGE STRUCTURE
1027+50	1						PAVED MEDIAN DRAINAGE STRUCTURE
1029+80	1	1					MEDIAN BARRIER DRAINAGE STRUCTURE, DITCH STRUCTURE
1030+50				2			MEDIAN BARRIER DRAINAGE STRUCTURES
1031+25	2						MEDIAN BARRIER DRAINAGE STRUCTURES
1033+50	1	1		1			MEDIAN BARRIER DRAINAGE STRUCTURES, DITCH STRUCTURE
1035+30	2			2			MEDIAN BARRIER DRAINAGE STRUCTURES (2 SETS)
1036+10	2	1		2			MEDIAN BARRIER DRAINAGE STRUCTURES (2 SETS), DITCH STRUCTURE
1036+90	2			2			MEDIAN BARRIER DRAINAGE STRUCTURES (2 SETS)
1038+50				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1038+75	2						MEDIAN BARRIER DRAINAGE STRUCTURES
1040+00	1	1		1			MEDIAN BARRIER DRAINAGE STRUCTURES, DITCH STRUCTURE
1041+50				2			MEDIAN BARRIER DRAINAGE STRUCTURES
1042+00	2						MEDIAN BARRIER DRAINAGE STRUCTURES
1044+00	1						MEDIAN BARRIER DRAINAGE STRUCTURE

DRAINAGE STRUCTURE ADJUSTMENTS (CONT.)

STATION	NB			SB			REMARKS
	FR & GRATES	FR & GRATES	PCC SHLDS	FR & GRATES	FR & GRATES	PCC SHLDS	
	ADJUST DL	ADJUST PL	12 SPL PL	ADJUST DL	ADJUST PL	12 SPL PL	
	(EACH)	(EACH)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	
1044+50				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1046+00	1	1		2			MEDIAN BARRIER DRAINAGE STRUCTURES, DITCH STRUCTURE
1048+00	2						MEDIAN BARRIER DRAINAGE STRUCTURES
1048+50				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1048+60				1			BRIDGE APPROACH INLET STRUCTURE
1049+30	1						BRIDGE APPROACH INLET STRUCTURE
1052+90				1			BRIDGE APPROACH INLET STRUCTURE
1054+00				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1054+75	2						MEDIAN BARRIER DRAINAGE STRUCTURES
1056+00				2			MEDIAN BARRIER DRAINAGE STRUCTURES
1057+50		1		1			MEDIAN BARRIER DRAINAGE STRUCTURE, DITCH STRUCTURE
1058+30	1						MEDIAN BARRIER DRAINAGE STRUCTURE
1059+00				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1061+90	2	1		2			MEDIAN BARRIER DRAINAGE STRUCTURES (2 SETS), DITCH STRUCTURE
1064+00				1			MEDIAN BARRIER DRAINAGE STRUCTURE
1067+50				2			MEDIAN BARRIER DRAINAGE STRUCTURES
1068+15	1						PAVED MEDIAN DRAINAGE STRUCTURE
STATE STREET RAMPS							
RAMP A							
RAMP B							
RAMP C							
1+00	1						CURB AND GUTTER INLET STRUCTURE
5+25	1						CURB AND GUTTER INLET STRUCTURE
5+50	1						CURB AND GUTTER INLET STRUCTURE
5+75	1						CURB AND GUTTER INLET STRUCTURE
RAMP D							
17+50	1						CURB AND GUTTER INLET STRUCTURE
17+75	1						CURB AND GUTTER INLET STRUCTURE
18+00	1						CURB AND GUTTER INLET STRUCTURE
SUBTOTAL	42	27		51	24		
TOTAL	69	253		75	275		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 SCALE: SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	35
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

SIGN TRUSS REPAIR

Table with columns: LOCATION (STATION, TRUSS ID NUMBER, LOC), REM RE OVH SN STR WLK (FOOT), RPL/TIGH CLP PER SIGN (EACH), REP HDRL LOC PIN CON (EACH), TIGHTEN END SUP CONN (EACH), SAFETY CHAIN (EACH), TIGHTEN SPLICE FLANGE (EACH), DRILL WEEP HOLE (EACH). Includes a TOTAL row at the bottom.

GUARDRAIL

Table with columns: LOCATION (GUARDRAIL NUMBER, ROADWAY, SIDE), SPBGR TY A 6FT POSTS (EACH), TRAF BAR TERM T2 (EACH), TRAF BAR TERM T5 (EACH), TRAF BAR TERM T6 (EACH), TR BAR TRM T1 SPL TAN (EACH), GUARDRAIL REMOV (EACH), TERMINAL MARKER - DA (EACH), GRDRAIL REF TYPE A (EACH). Includes a TOTAL row at the bottom.

DELINEATORS

Table with columns: INFO, STA, STA, DELINEATORS (SINGLE WHITE, DOUBLE WHITE, SINGLE YELLOW), DELINEATOR REMOVAL (EACH). Includes sub-sections for NORTHBOUND, SOUTHBOUND, RAMPs, and STREET RAMPs.

PAVEMENT SCARIFICATION

Table with columns: INFO, STATION, STATION, CONCRETE PAVEMENT SCARIFICATION (CONCRETE PAVEMENT, HMA SHOULDER). Includes sub-sections for NORTHBOUND, SOUTHBOUND, RAMPs, and STREET RAMPs.

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Table with columns: USER NAME, DESIGNED, DRAWN, PLOT SCALE, CHECKED, DATE, REVISED, REVISIONS.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

SHORT TERM PAVEMENT MARKING

INFO	LOCATION		SHORT TERM PAVEMENT MARKINGS	
			SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM
	STATION	STATION	(EACH)	(EACH)
FAI ROUTE 255/ROUTE 15 RAMPS				
RMP 1 (RT 15)	8+00	34+73		
RMP 2 (RT 15)	0+00	25+00		
RMP 3 (RT 15)	818+22	1+40		
RMP 4 (RT 15)	2+00	818+15		
RMP 5 (RT 15)	2+00	820+70	88	29
RMP 6 (RT 15)	820+70	14+00	100	33
FAI ROUTE 255/FAI ROUTE 64 RAMPS				
RMP B (64)	2+00	1052+65		
RMP C (64)	7+25	25+73		
RMP D (64)	1048+87	12+45	84	28
RMP F (64)	1053+46	10+00		
RMP G (64)	1+95	1049+97	112	37
RMP H (64)	0+00	26+00		
TOTAL			384	127

MEDIAN BARRIER

INFO	LOCATION		CONC BARRIER REMOV	HMA SURF REM 4	REM IMP ATTEN NO SALV	CONC BAR 1F 44HT	CONC BAR 2F 44HT	CONC BAR TRANS	CONC BARRIER BASE (NOTE 1)	CONC BARRIER BASE SPL	IMP ATTEN FRD RES TL3
	STA	STA	(FOOT)	(SO YD)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
FAI ROUTE 255											
	810+78	818+19	1,480				680	60		740	
	820+69	838+16	3,510				1,694	60		1,755	
	838+20	841+89	730				305	60		365	
	842+38	852+70	2,066				973	60		1,033	
	853+12	878+00	4,980				2,430	60		2,490	
	878+05	882+35	860				370	60		430	
	882+80	892+00	1,810				848	60		905	
	892+65	918+50	5,152				2,515	60		2,575	
	920+43	934+37	2,790				1,333	60		1,393	
	936+09	937+14	210				75	30		135	
LT	937+14	943+30	619			589		30	619		
RT	937+14	943+27	612			582		30	612		
FAI ROUTE 1-255 (NB COLLECTOR-DISTRIBUTOR)											
	1027+75	1035+94	830		1		800	30	166		1
	1035+98	1049+78	1,408				1,364	45	282		
	1053+33	1065+60	1,252	80			1,207	45	250		
	1066+03	1068+07	203	70			174	30	41		
FAI ROUTE 1-255 (SB COLLECTOR-DISTRIBUTOR)											
	1027+17	1049+07	2,151				2,136	15	430		
	1052+80	1065+60	1,253	80			1,208	45	251		
	1066+03	1068+73	268	92	1		238	30	54		1
TOTAL			32,184	322	2	1,171	18,350	870	2,704	11,821	2

NOTES:
1. ASSUME 20% OF EXISTING CONCRETE BARRIER BASE WILL NEED TO BE REPLACED.

IL-157 & IL-15

INFO	LOCATION		PERIMETER EROS BAR	CURB REM	PAVED SHLD REMOVAL (NOTE 1)	PCC SHOULDERS 9	PROTECTIVE COAT	COMB CC&G TB6.12
IL ROUTE 157								
SOUTH OFF RMP	105+25	105+70	104	122	15	68	92	107
SOUTH ON RMP	105+22	106+46	155	97	75	118	152	154
NORTH OFF RMP	110+33	111+96	224	210	23	153	202	220
TOTAL			483	429	113	339	446	481

NOTES:
1. NOT A TOTAL QUANTITY. SEE REMOVAL SCHEDULE.

ATR LOCATION 8551

STATION	UNDRGRD C CNC 1 1/4 (FOOT)	UNDRGRD C CNC 3 (FOOT)	PIEZO AXLE SEN CL 2 (NOTE 1) (FOOT)	SOLAR POWER ASSEMBLY (EACH)	TRENCH BACKFILL SPL (CU YD)	HD HANDHOLE SPL (EACH)	CONT CAB TYPE III SPL (EACH)	EC C CONOGA 30003 (FOOT)	CONC FDN SPL (NOTE 2) (FOOT)	DET LOOP SPL (FOOT)
FAI ROUTE 255 NORTHBOUND & SOUTHBOUND										
850+50	50	170	69	1	10	4	1	1,940	3.5	660
TOTAL	50	170	69	1	10	4	1	1,940	3.5	660

ATR SITE NOTES:
1. 11.5" EACH SENSOR
2. 3.5' DEEP FOUNDATION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	39
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

SHOULDER INLET

LOCATION		PIPE DRAINS 12	REMOV INLETS	TY E INLET BOX 610001	TY F INLET BOX 610002	PIPE DRAIN REMOVAL	REMOV EX FLAR END SEC	PIPE CULV CLEANED 12	BR APPROACH SHLD REM	PCC BR APPR SH PVT SP	PROTECTIVE COAT	PRC FLAR END SEC 12	FIELD NOTES
STATION	OFFSET (R+ , L-)	(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(EA)	(LF)	(SO YD)	(SO YD)	(SO YD)	(EACH)	
FAI ROUTE 255													
820+70	67.87	10	1	1		10		10	6	6	6		CLEAN OUTLET
820+77	-71.14	10	1	1		10		10	6	6	6		CLEAN OUTLET
920+58	77.88	10	1	1		10			6	6	6		
920+65	-70.28	10	1	1		10			6	6	6		FOUND AREA INLET INSIDE RAMP A WITH STANDING WATER
933+96	88.20	10	1	1		10		10	6	6	6		PIPE DRAINS BUT OUTLET NEEDS CLEANOUT
934+38	-74.82	10	1	1		10		58	6	6	6		OUTLET IS PARTIALLY BURIED, BUT UNDAMAGED & USEABLE
936+50	72.28	72	1	1		72	1		6	6	6	1	UNABLE TO LOCATE OUTLET
943+23	69.89	75	2	2		75	1		7	6	6	1	UNABLE TO LOCATE OUTLET
943+08	-16.82	83	1		1	83			10	10	10		REPLACE 10' OF PIPE IN MEDIAN
1018+86	74.25	141	1		1	141	1		10	10	10	1	DAMAGED - FULL REPLACE
1019+82	24.65	20	1		1	20			10	10	10		
1020+52	-25.35	200	1		1	200	1		10	10	10	1	DAMAGED - FULL REPLACE
1021+97	-105.73	10	1	1		10			6	6	6		OUTLET IS GOOD, USE IN PLACE
1048+59	-126.84	10	1	1		10	1		6	6	6	1	REPLACE FLARED END
1049+30	25.13	21	1		1	21	1		10	10	10	1	UNABLE TO LOCATE OUTLET, FULLY OVERGROWN WITH BUSH HONEYSUCKLE
TOTAL:		692	16	11	5	692	6	88	111	111	111	6	

TRAFFIC CONTROL

LOCATION	TRAF CONT-PROT 701321 (EACH)	TRAF CONT-PROT 701326 (L SUM)	TRAF CONT-PROT 701456 (NOTE 1) (L SUM)	TRAF CONT-PROT 701601 (NOTE 2) (L SUM)	TRAF CONT-PROT 701801 (L SUM)	TR CONT SURVEILLANCE (NOTE 3) (CAL DA)	TEMP BR TRAF SIGNALS (EACH)	TEMP RUMBLE STRIPS (EACH)	CHANGEABLE MESSAGE SN (CAL DA)	TEMP CONC BARRIER (FOOT)	REL TEMP CONC BARRIER (FOOT)	IMP ATTN TEMP NRD TL2 (EACH)	IMP ATTN REL NRD TL2 (EACH)	TRAF CONT-PROT SPL (L SUM)	TRAF CONT-PROT SPL (NOTE 4) (EACH)	TRAF CONT-PROT BLR 21 (L SUM)	INTERST WKEND CLSR SP (EACH)	DETOUR SIGNING (EACH)
I-64 TO IL-15 DETOUR LAKE DRIVE	1						1	6	1,800	961	961	2	2	0.5				0.5
IL 157 PRE-STAGE		0.5		1		21												
I-255 & I-64 LOOP RAMPS			0.5															
I-255 & IL-15 RAMPS 5/6 STATE STREET SIDEWALK			0.5		1												2	
POCKET ROAD I-64 INTERCHANGE															4	1		
TOTAL	1	0.5	1	1	1	21	1	6	1,800	961	961	2	2	0.5	4	1	2	0.5

NOTES:

1. TO BE USED FOR INCIDENTAL WORK ASSOCIATED WITH THE RAMPS PRIOR TO RAMP CLOSURE.
2. TO BE USED FOR PATCHING OF IL 157 NEAR VIEUX CARRE DRIVE AS DETAILED IN THE GENERAL NOTES.
3. NEEDED WHILE THERE ARE OPEN HOLES WITHIN 8 FEET OF THE TRAVELED WAY OF IL 157.
4. USED FOR NIGHT CLOSURES OF 4 LOOP RAMPS OF I-64 INTERCHANGE.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	40
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

REMOVALS

INFO	LOCATION		HMA SURF REM BUTT JT	PCC SURF REM BUTT JT	TEMPORARY RAMP	CURB REM	GUTTER REM	SIDEWALK REM	PAVED SHLD REMOVAL	PAVEMENT REM	CONC MEDIAN REMOV	PCC SUR RM (CM) VAR D
	STATION	STATION	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(SQ FT)	(SQ YD)	(CU YD)	(SQ FT)	(SQ YD)
FAI ROUTE 255 NORTHBOUND												
I-255 NB	814+00	818+19	178	449	135				107			
I-255 NB	820+69	845+00	101	298	76				134			
I-255 NB	845+00	870+00	178	320			40		523	918		
I-255 NB	870+00	895+00							60			
I-255 NB	895+00	918+75							13			
I-255 NB	920+42	934+55							263			
I-255 NB	935+90	943+30				732			48			
I-255 NB	948+10	1022+13										
I-255 NB	1021+60	1050+00	947		55				111			
I-255 NB	1052+62	1064+00	1,060	226	125							
FAI ROUTE 255 SOUTHBOUND												
I-255 SB	814+00	818+19	169	498	143				7			
I-255 SB	820+69	845+00	94	293	83				535			
I-255 SB	845+00	870+00	178	320			1,777		521	914		
I-255 SB	870+00	895+00	356	640			2,330		1,203	2,057		
I-255 SB	893+68	918+78							140			
I-255 SB	895+00	918+75				2,510			13			
I-255 SB	920+42	934+55							471			
I-255 SB	935+90	943+30							7			
I-255 SB	948+10	1022+13				320						
I-255 SB	948+17	1004+67							18			
I-255 SB	1021+60	1050+00	906		54							
I-255 SB	1052+62	1064+00	1,172	218	128				100			
FAI ROUTE 255/ROUTE 15 RAMPS												
RMP 1 (RT 15)	8+00	26+23	45	72	19							
RMP 2 (RT 15)	6+70	25+00	45	72	19							
RMP 3 (RT 15)	2+02	14+00	45	73	19				39			
RMP 4 (RT 15)	2+00	12+04	45	73	19				35			
RMP 5 (RT 15)	2+00	12+54	45	73	19				22			
RMP 6 (RT 15)	2+06	14+00	45	72	19				15			
FAI ROUTE 255/STATE STREET RAMPS												
RMP A (SS)	1+90	11+75	48	133		46		76		117	2,192	
RMP B (SS)	6+60	21+38	48	129		51		81		2,000	143	787
RMP C (SS)	1+65	17+00	50	131		48		68		1,112	2,405	
RMP D (SS)	6+69	20+08	48	71		50		80		102	2,267	
FAI ROUTE 255/FAI ROUTE 64 RAMPS												
RMP B (64)	8+00	26+23	225		12							
RMP C (64)	6+70	25+00	158		12							
RMP D (64)	2+02	14+00	237		12	700						
RMP F (64)	2+00	12+04	206		12	630						
RMP G (64)	2+00	12+54	236		12	395						
RMP H (64)	2+06	14+00	234		12	255						
LAKE DRIVE												
LAKE DRIVE NB	133+50	139+27		167								
LAKE DRIVE SB	133+50	139+27		167								
TOTAL			7,100	4,496	985	5,737	4,147	305	4,385	5,889	1,474	7,651

NOTES
 1. NOT A TOTAL QUANTITY. SEE IL 157 & IL 15 SCHEDULE.

SIDEWALK

INFO	STATION	STATION	PC CONC SIDEWALK 4 (SQ FT)	DETECTABLE WARNINGS (SQ FT)	COMB CC&G TB6.24 (FOOT)
FAI ROUTE 255/STATE STREET RAMPS					
RMP A	0+30	11+75	178	30	46
RMP B	6+60	22+65	215	37	51
RMP C	0+30	17+00	115	30	48
RMP D	6+69	21+46	163	36	50
TOTAL			671	133	195

PAVEMENT PATCHING

STATION	LOCATION	CL A PATCH T2 10 SPL (SQ YD)
FAI ROUTE 255		
821+99	SB	24
933+26	NB	24
933+39	SB	24
936+99	NB	36
937+02	SB	31
1002+84	SB	24
1003+06	NB	24
1018+16	NB	24
1018+86	SB	24
1020+06	RMP C (I-64)	10
1024+70	NB	24
1024+82	RMP H (I-64)	11
1025+18	SB	24
1026+03	RMP C (I-64)	17
1047+60	RMP D (I-64)	19
1047+88	SB	24
1048+36	NB	24
1048+61	RMP G (I-64)	9
1054+04	RMP B (I-64)	9
1054+21	SB	24
1054+44	NB	24
1054+67	RMP F (I-64)	19
TOTAL		473

NOTE:
 1. SUMMARY OF QUANTITIES INCLUDES APPROXIMATE
 PAVEMENT PATCHING QUANTITIES NOT SHOWN
 IN THIS SCHEDULE.

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PLOT DATE = 8/9/2019	CHECKED -	REVISED -
	DATE -	REVISED -

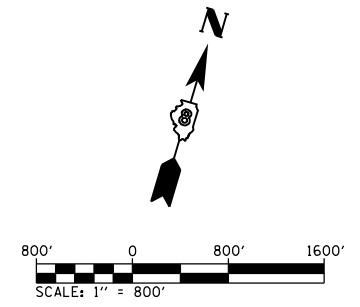
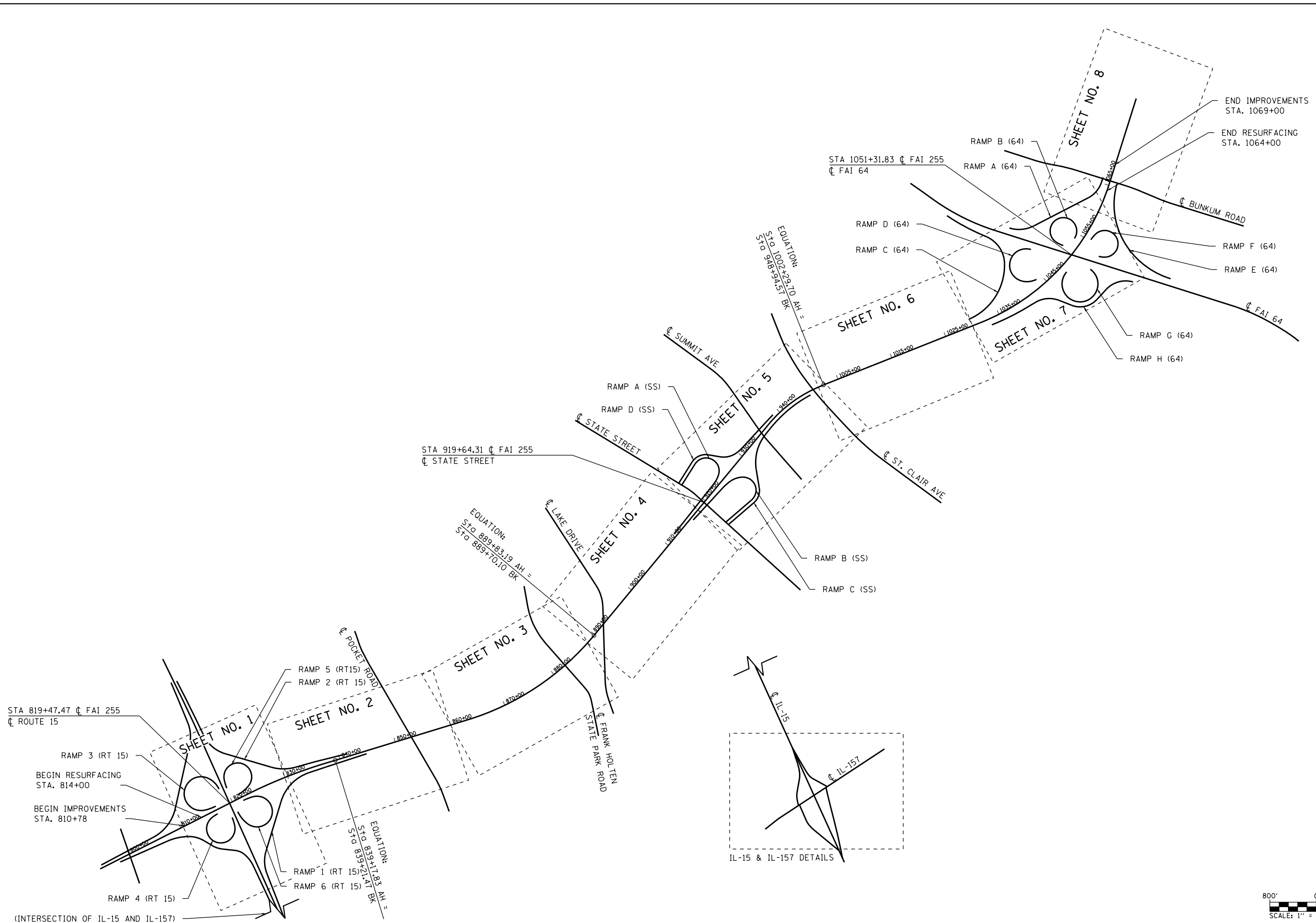
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	41
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

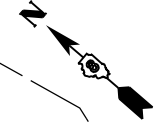
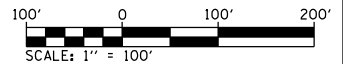


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

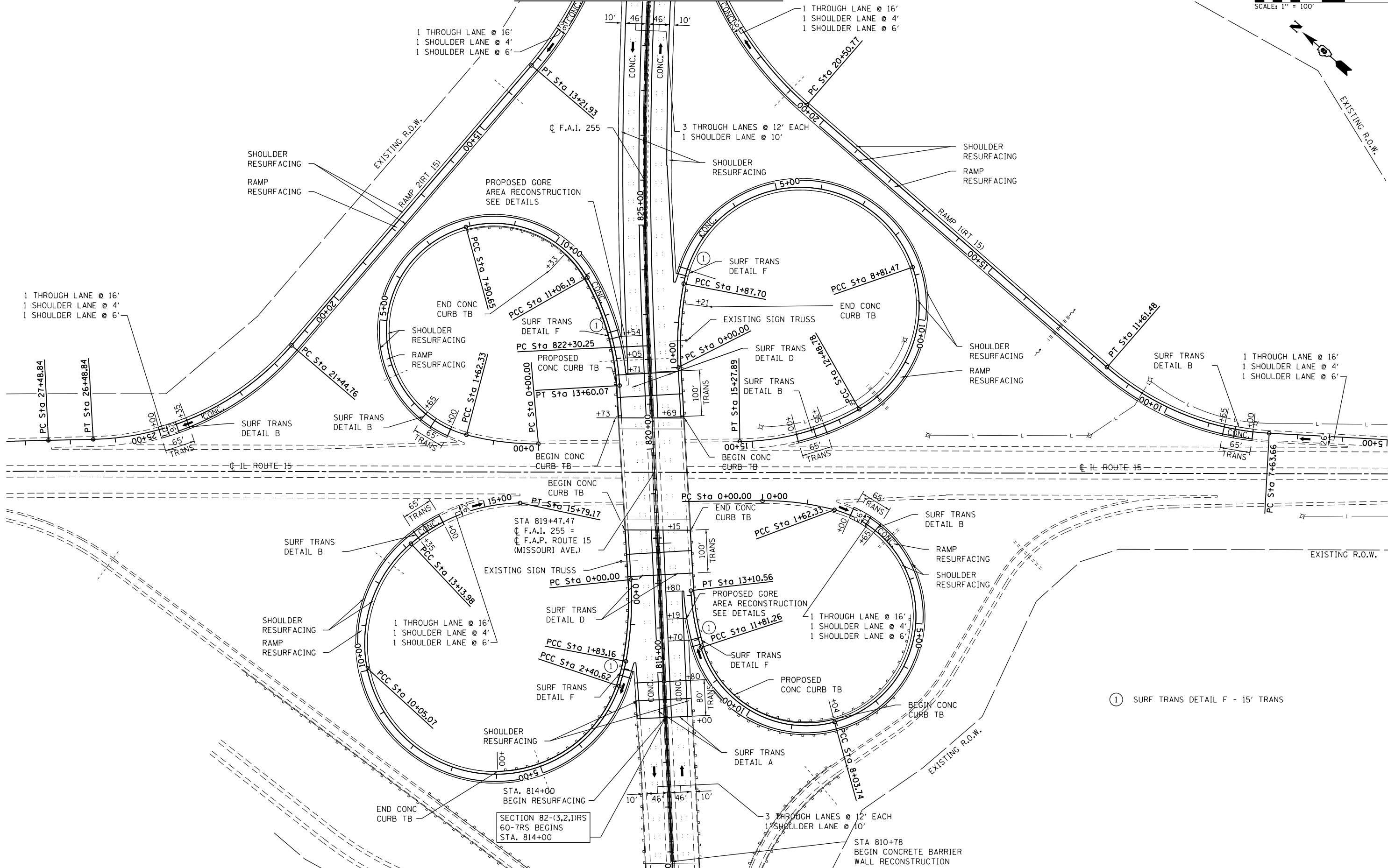
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 KEY SHEET SUMMARY			
SCALE: 1" = 800'	SHEET 1	OF 1 SHEETS	STA. 814+00 TO STA. 1068+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	42
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 830+00



① SURF TRANS DETAIL F - 15' TRANS

MODEL: D:\7613-15-11-13.dwg
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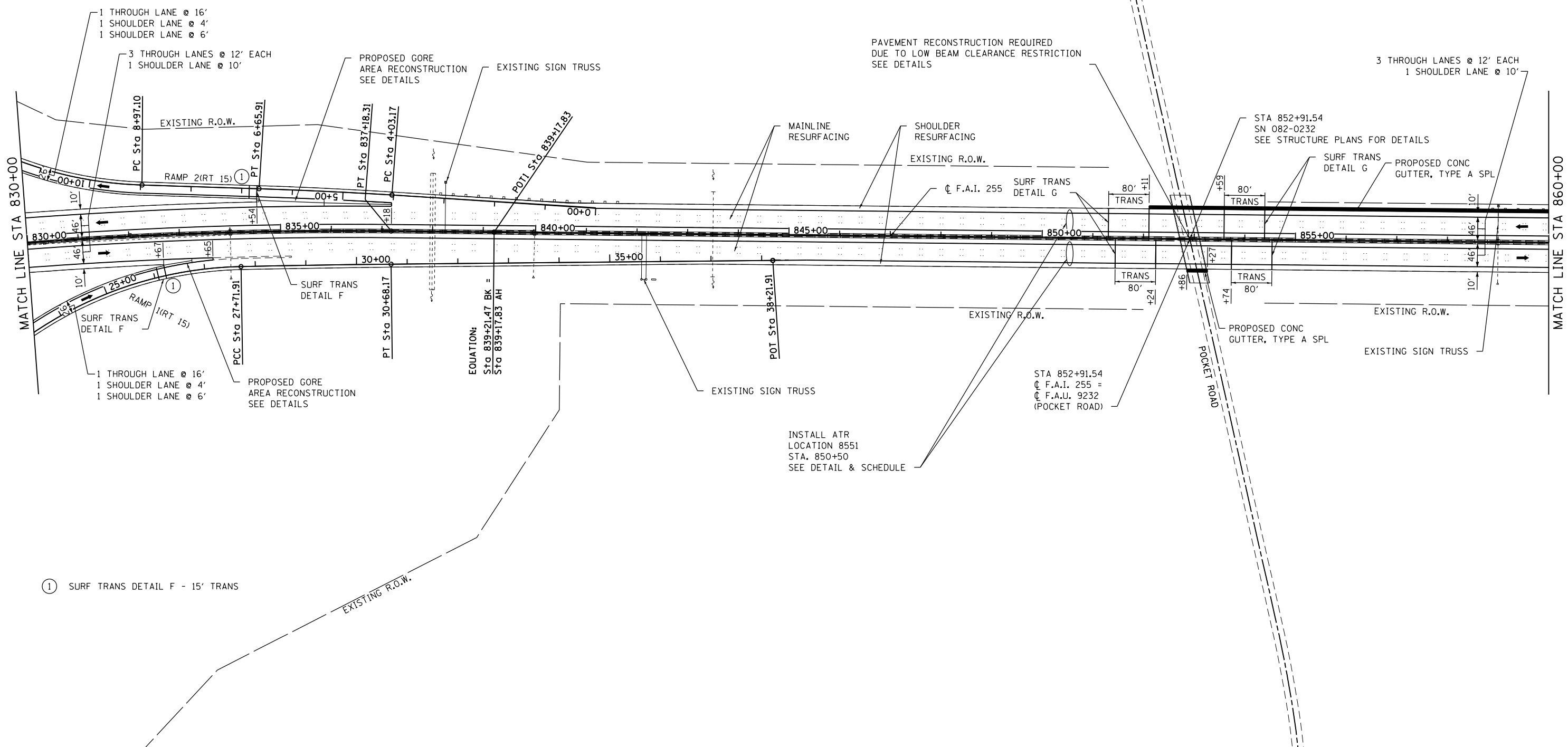
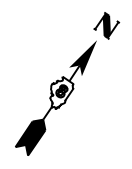
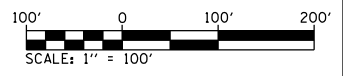


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	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 PLAN SHEET	
SCALE: 1" = 100'	SHEET 1 OF 8 SHEETS
STA. 812+00	TO STA. 830+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	43
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



① SURF TRANS DETAIL F - 15' TRANS

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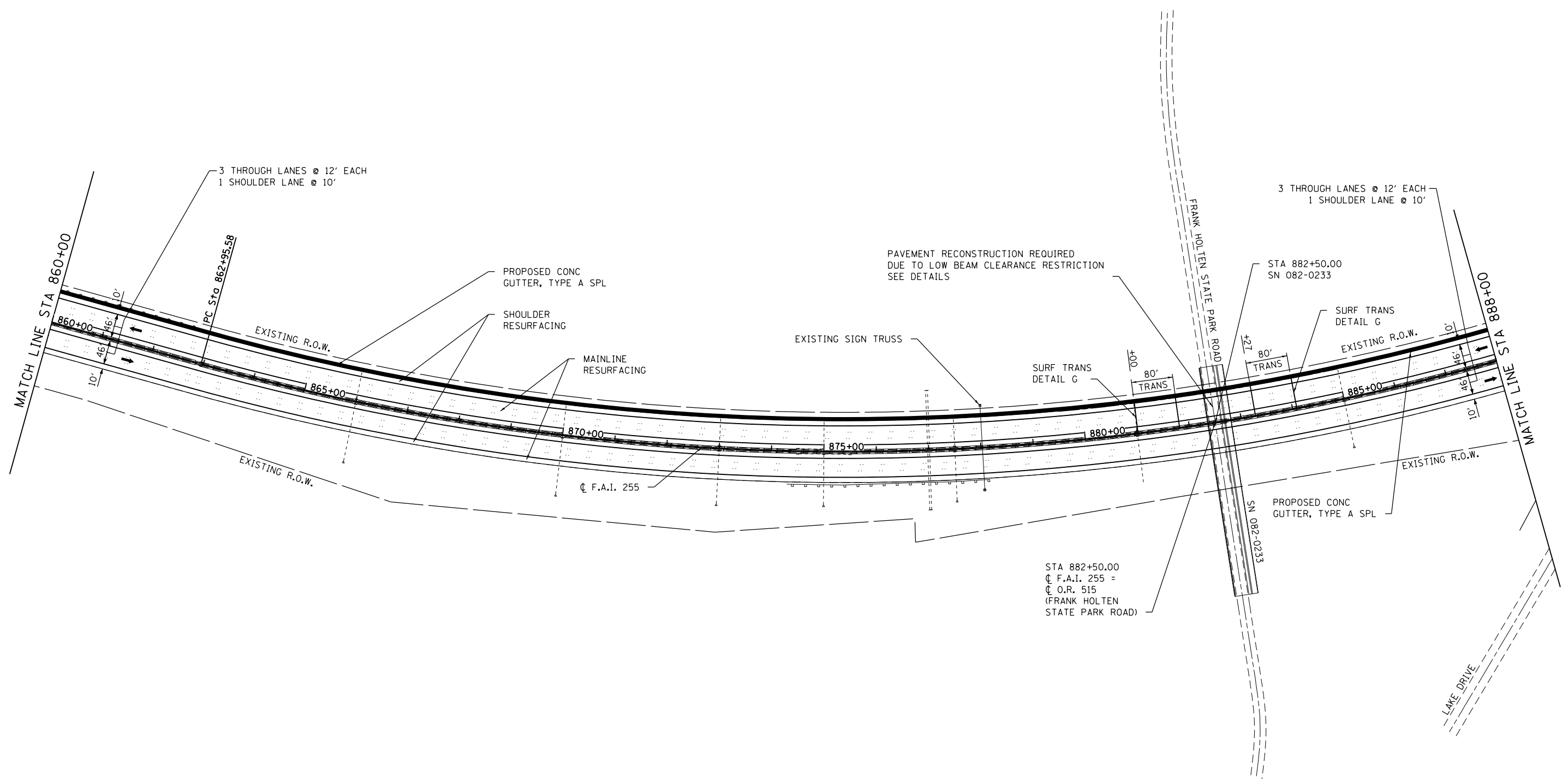
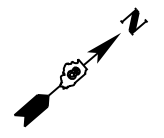
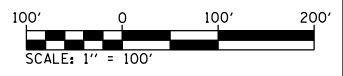


USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/9/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 PLAN SHEET			
SCALE: 1" = 100'	SHEET 2	OF 8 SHEETS	STA. 830+00 TO STA. 860+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	44
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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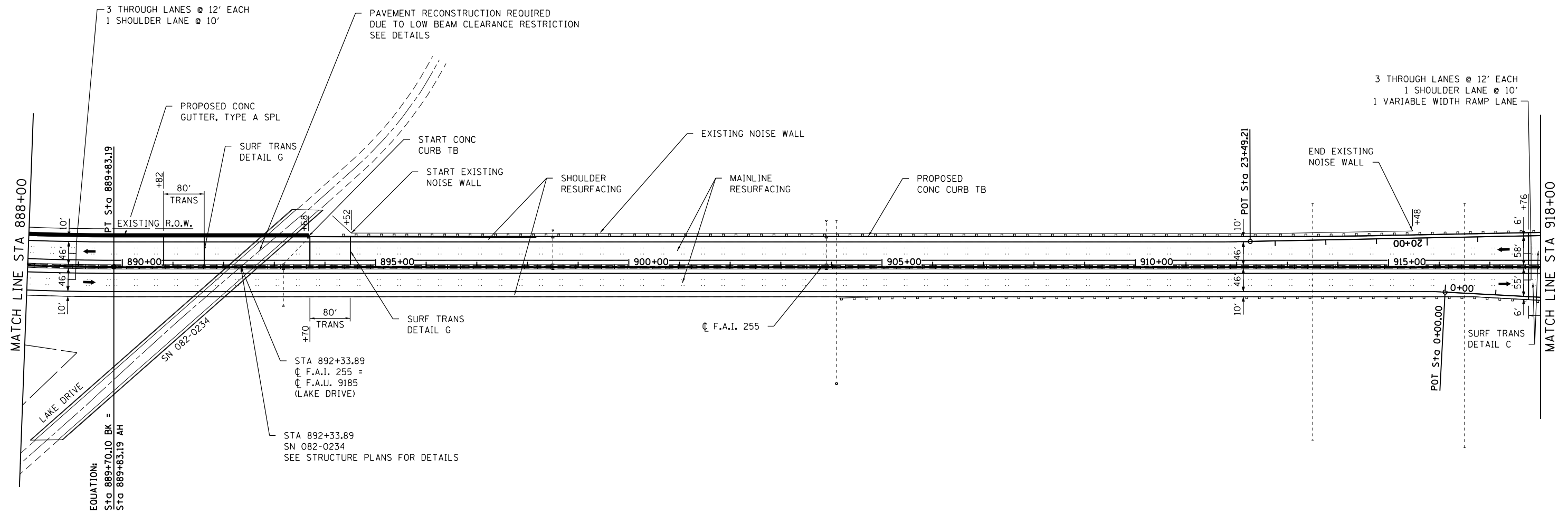
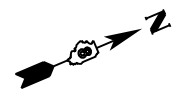
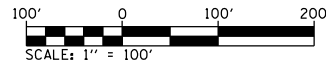


USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/9/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
PLAN SHEET			
SCALE: 1" = 100'	SHEET 3	OF 8 SHEETS	STA. 860+00 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	45
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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USER NAME = b.heil
 PLOT SCALE = 200.0000 ' / in.
 PLOT DATE = 8/9/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-255
 PLAN SHEET**

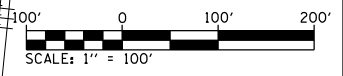
SCALE: 1" = 100' SHEET 4 OF 8 SHEETS STA. 888+00 TO STA. 918+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	46
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

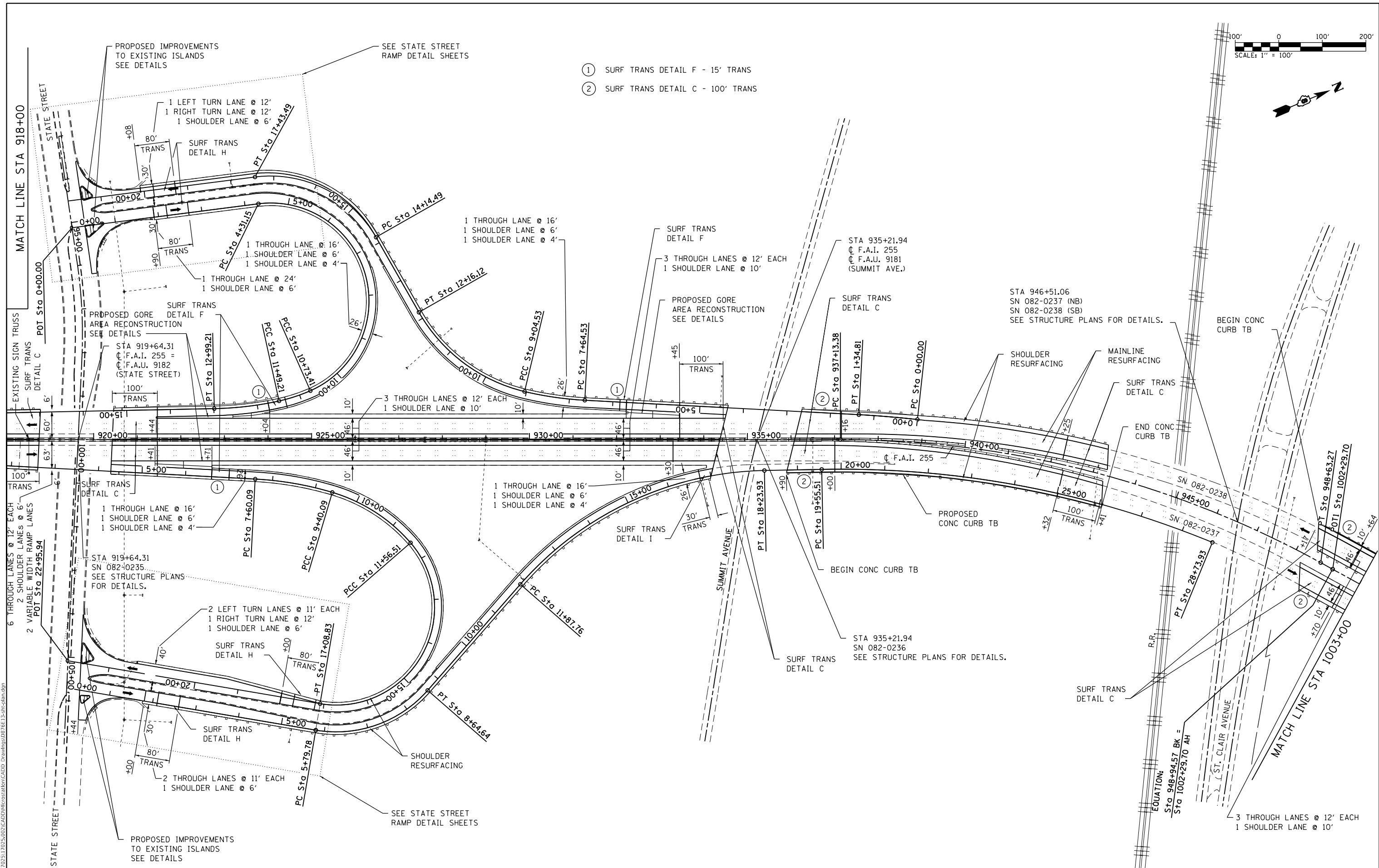
EQUATION:
 Sta. 889+70.10 BK =
 Sta. 889+83.19 AH

STA 892+33.89
 CL F.A.I. 255 =
 CL F.A.U. 9185
 (LAKE DRIVE)

STA 892+33.89
 SN 082-0234
 SEE STRUCTURE PLANS FOR DETAILS



- ① SURF TRANS DETAIL F - 15' TRANS
- ② SURF TRANS DETAIL C - 100' TRANS



MODEL: D:\P\13-115-01\13-115-01.dwg
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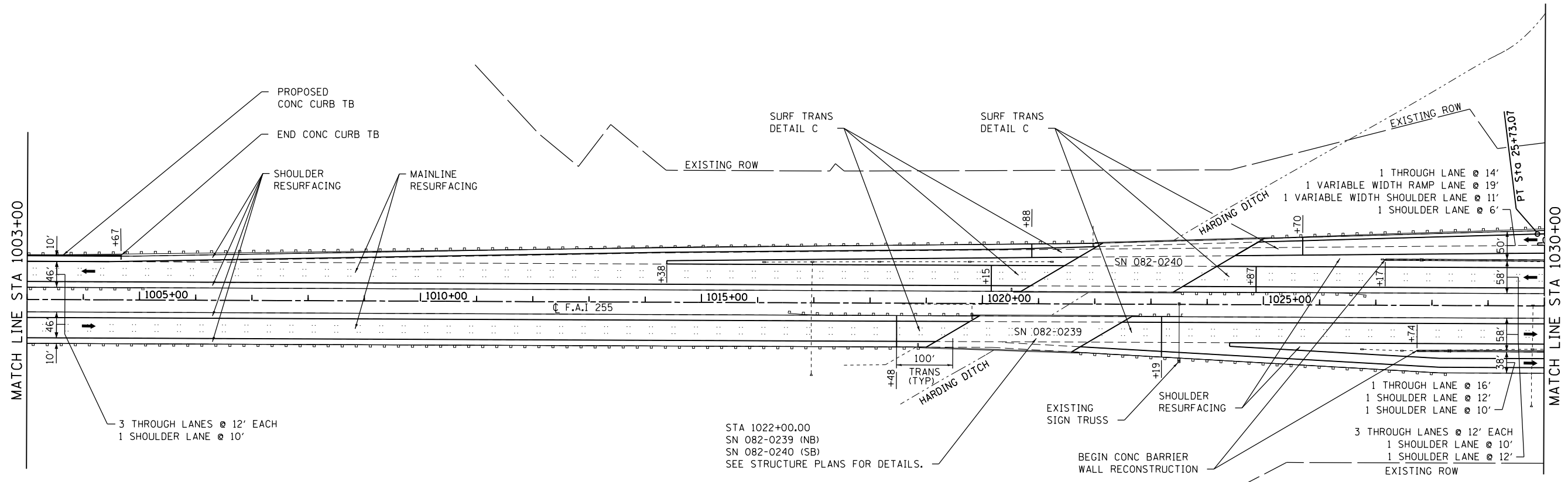
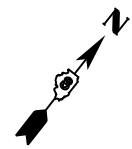
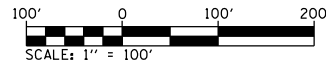


USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/9/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
PLAN SHEET**
 SCALE: 1" = 100' SHEET 5 OF 8 SHEETS STA. 918+00 TO STA. 1003+00

F.A.I. RTE. 255	SECTION 82-(3.2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 47
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



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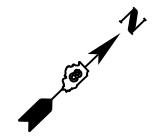
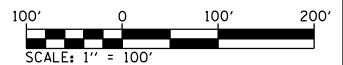


USER NAME = b,hell	DESIGNED -	REVISED -
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PLOT DATE = 8/9/2019	DATE -	REVISED -

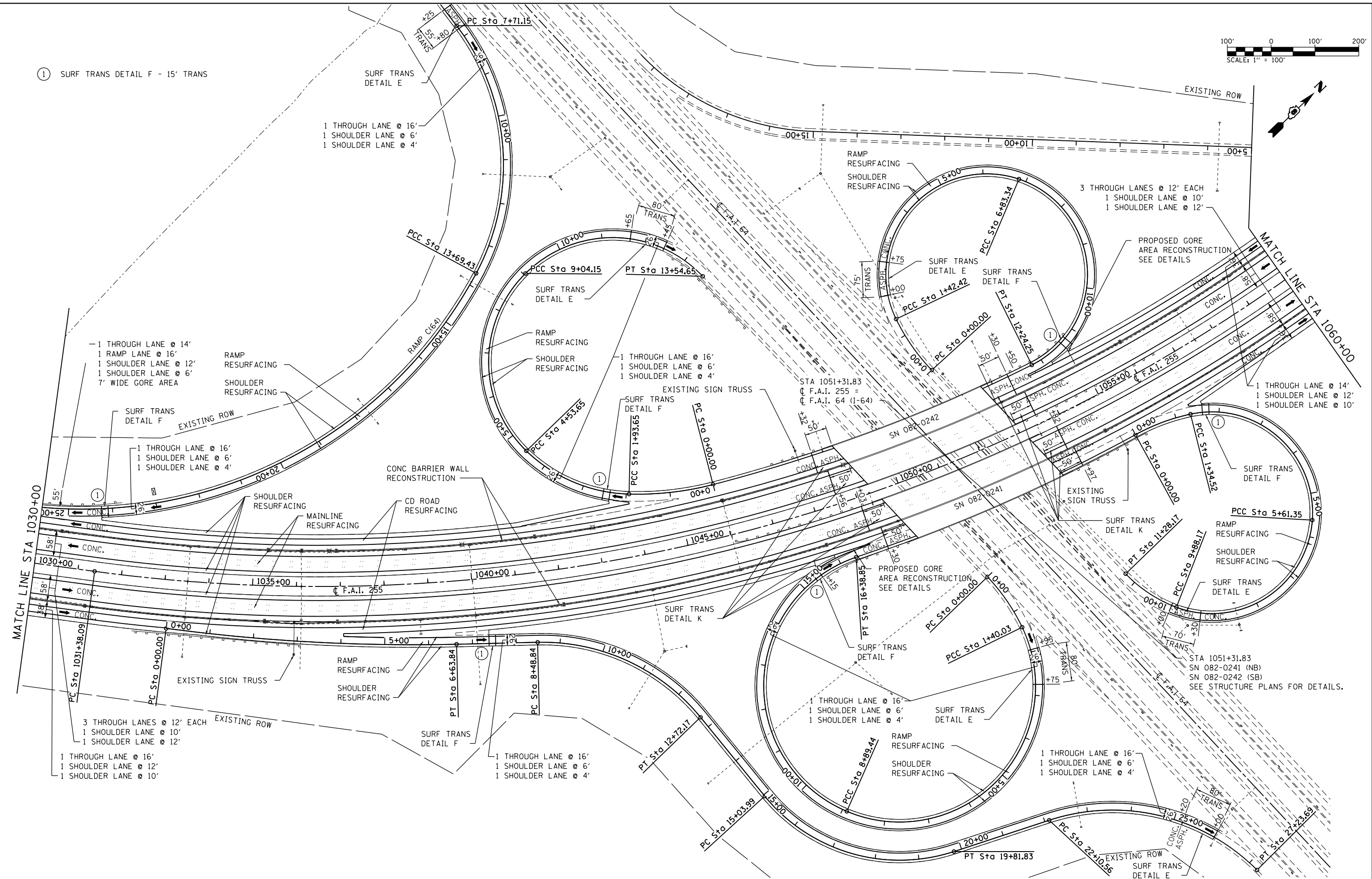
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255			
PLAN SHEET			
SCALE: 1" = 100'	SHEET 6	OF 8 SHEETS	STA. 1003+00 TO STA. 1030+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	48
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



① SURF TRANS DETAIL F - 15' TRANS



MODEL: D:\P1613-15-11-10-17
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



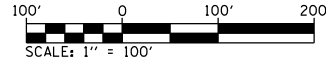
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 PLOT DATE = 8/9/2019

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
PLAN SHEET
 SCALE: 1" = 100' SHEET 7 OF 8 SHEETS STA. 1030+00 TO STA. 1060+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	49
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



3 THROUGH LANES @ 12' EACH
 1 SHOULDER LANE @ 10'
 1 SHOULDER LANE @ 12'

MAINLINE
RESURFACING
 SHOULDER
RESURFACING
 80'
TRANS

SURF TRANS DETAIL L
 SN 082-0243

EXISTING SIGN TRUSS

EXISTING ROW

PC Sta 1080+73.58

EXISTING ROW

MATCH LINE STA 1060+00

1060+00
 1065+00
 1070+00
 1075+00
 1080+00
 1085+00

PT Sta 1065+22.98

PT Sta 21+16.25

BUNKUM ROAD

1070+00

1075+00

1080+00

1085+00

CONC.

CONC.

EXISTING ROW

END CONC BARRIER
WALL RECONSTRUCTION
STA. 1068+77
 END CONC BARRIER
WALL RECONSTRUCTION
STA. 1068+10

EXISTING ROW

4 THROUGH LANES @ 12' EACH
 2 SHOULDER LANES @ 10' EACH

1 THROUGH LANE @ 14'
 1 SHOULDER LANE @ 12'
 1 SHOULDER LANE @ 10'

END RESURFACING
STA. 1064+00

SECTION 82-(3,2,1)RS
 60-7RS ENDS
 STA. 1064+00

SURF TRANS DETAIL L

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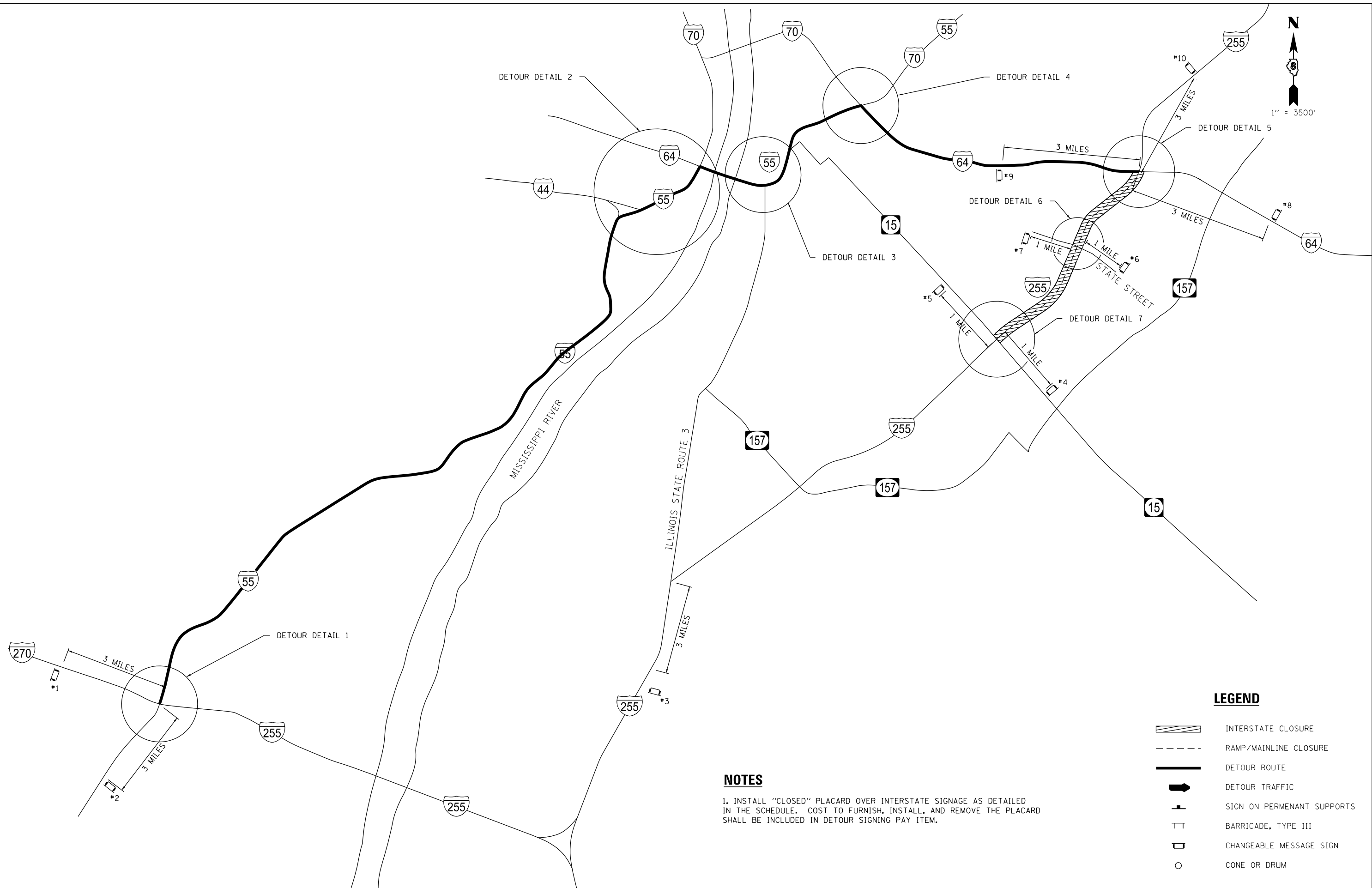
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PLOT DATE = 8/9/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-255 PLAN SHEET			
SCALE: 1" = 100'	SHEET 8	OF 8 SHEETS	STA. 1060+00 TO STA. 1088+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	50
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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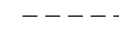








N
 1" = 3500'

NOTES

1. INSTALL "CLOSED" PLACARD OVER INTERSTATE SIGNAGE AS DETAILED IN THE SCHEDULE. COST TO FURNISH, INSTALL, AND REMOVE THE PLACARD SHALL BE INCLUDED IN DETOUR SIGNING PAY ITEM.

LEGEND

-  INTERSTATE CLOSURE
-  RAMP/MAINLINE CLOSURE
-  DETOUR ROUTE
-  DETOUR TRAFFIC
-  SIGN ON PERMANENT SUPPORTS
-  BARRICADE, TYPE III
-  CHANGEABLE MESSAGE SIGN
-  CONE OR DRUM



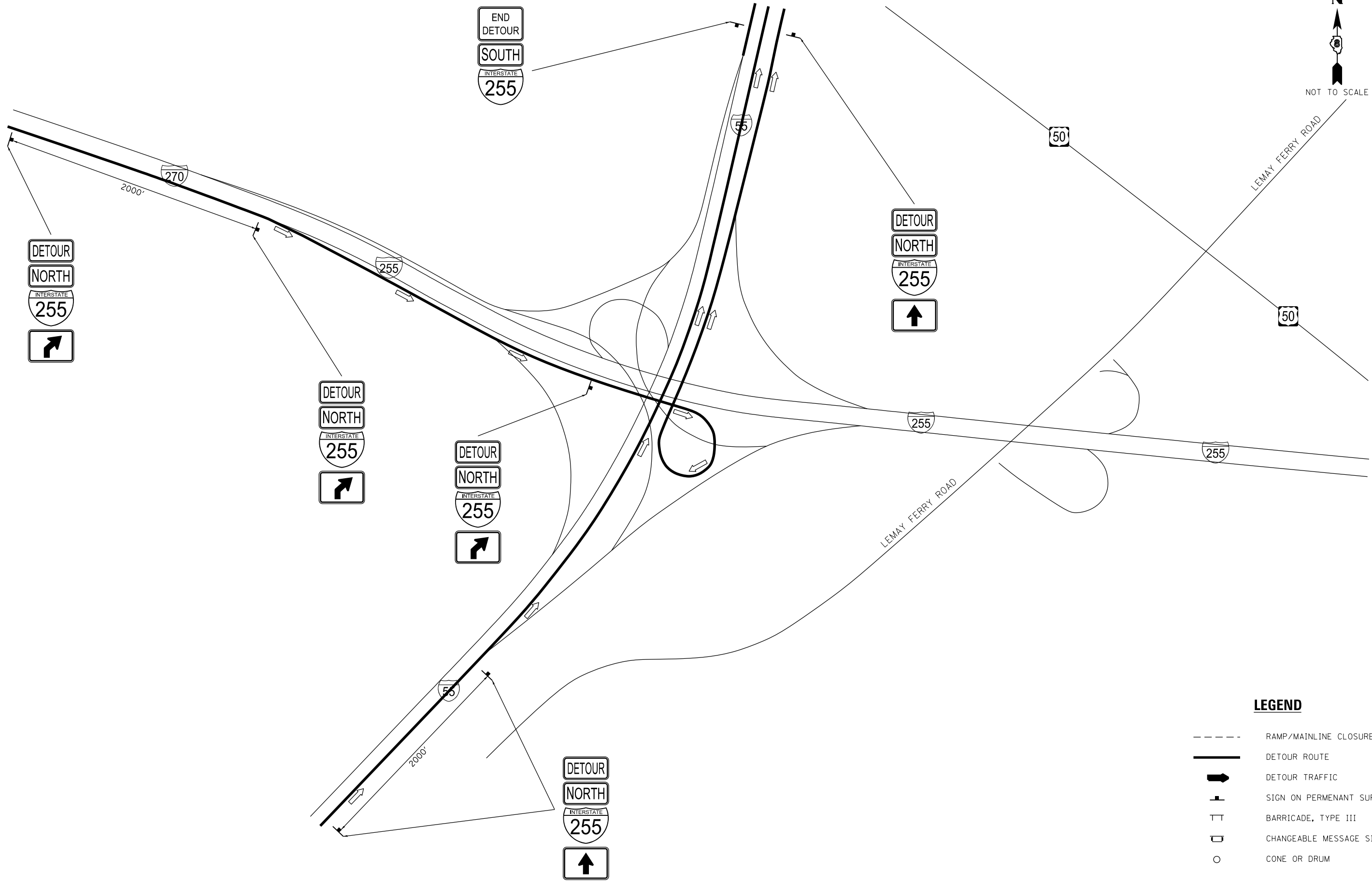
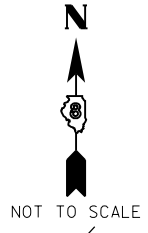
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DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-255
 DETOUR PLANS (KEY MAP)**

SCALE: NTS SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	51
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: I:\17025\17025\02\CADD\Microstation\CADD_Drawing\17025\17025-13-2ht-detour.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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PLOT DATE = 8/2/2019	DATE -	REVISED -

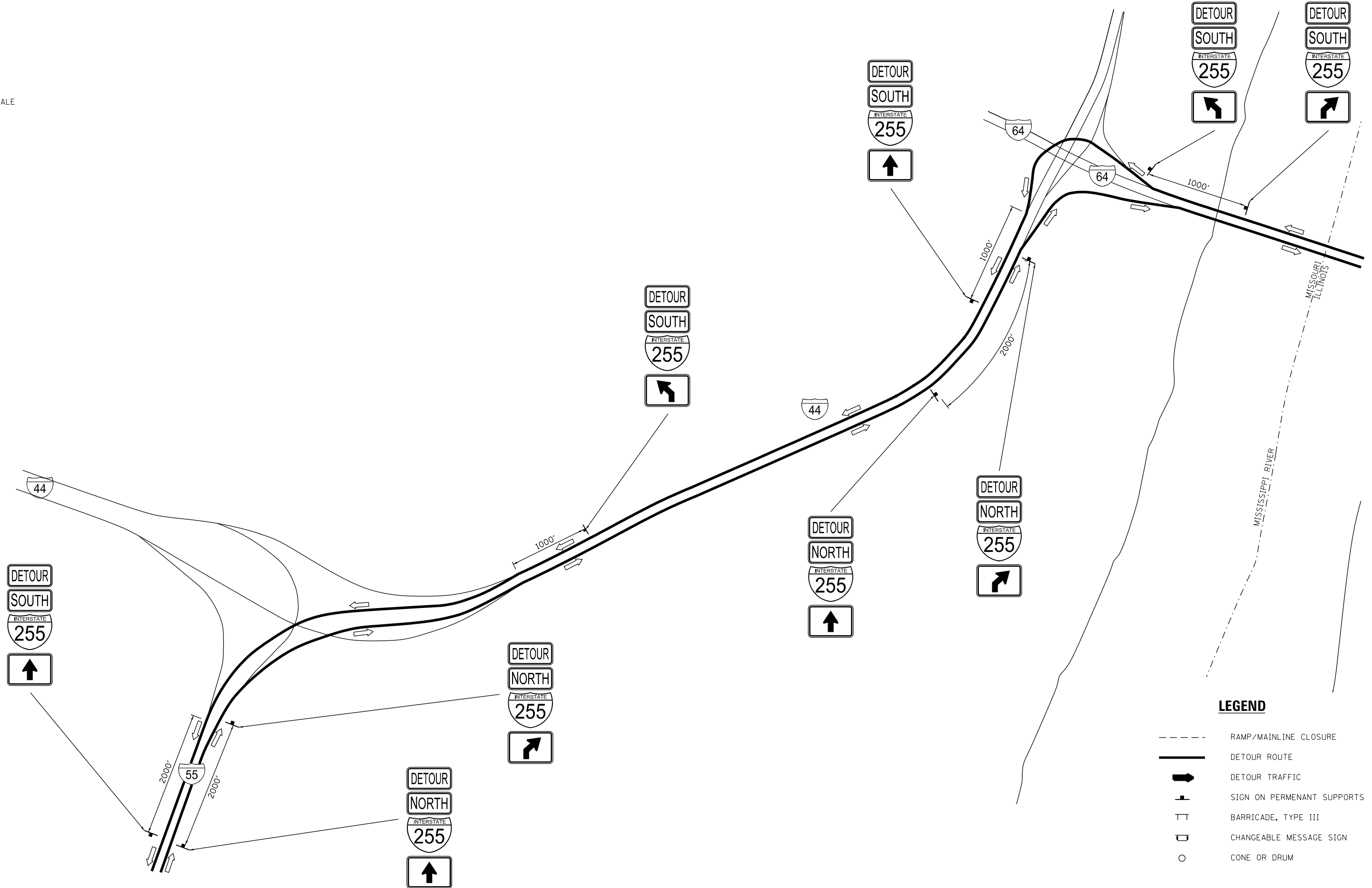
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
DETOUR PLANS (DETAIL 1)			
SCALE: NTS	SHEET 2	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	52
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE



LEGEND

- RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- DETOUR TRAFFIC
- SIGN ON PERMANENT SUPPORTS
- BARRICADE, TYPE III
- CHANGEABLE MESSAGE SIGN
- CONE OR DRUM

MODEL: Default
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USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 7000.0000' / in.	DRAWN -	REVISED -
DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
DETOUR PLANS (DETAIL 2)**

SCALE: NTS SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	53
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD_Drawing\031.D876E13-2ht-detour.dgn



N
NOT TO SCALE

DETOUR
NORTH
INTERSTATE
255

LEGEND

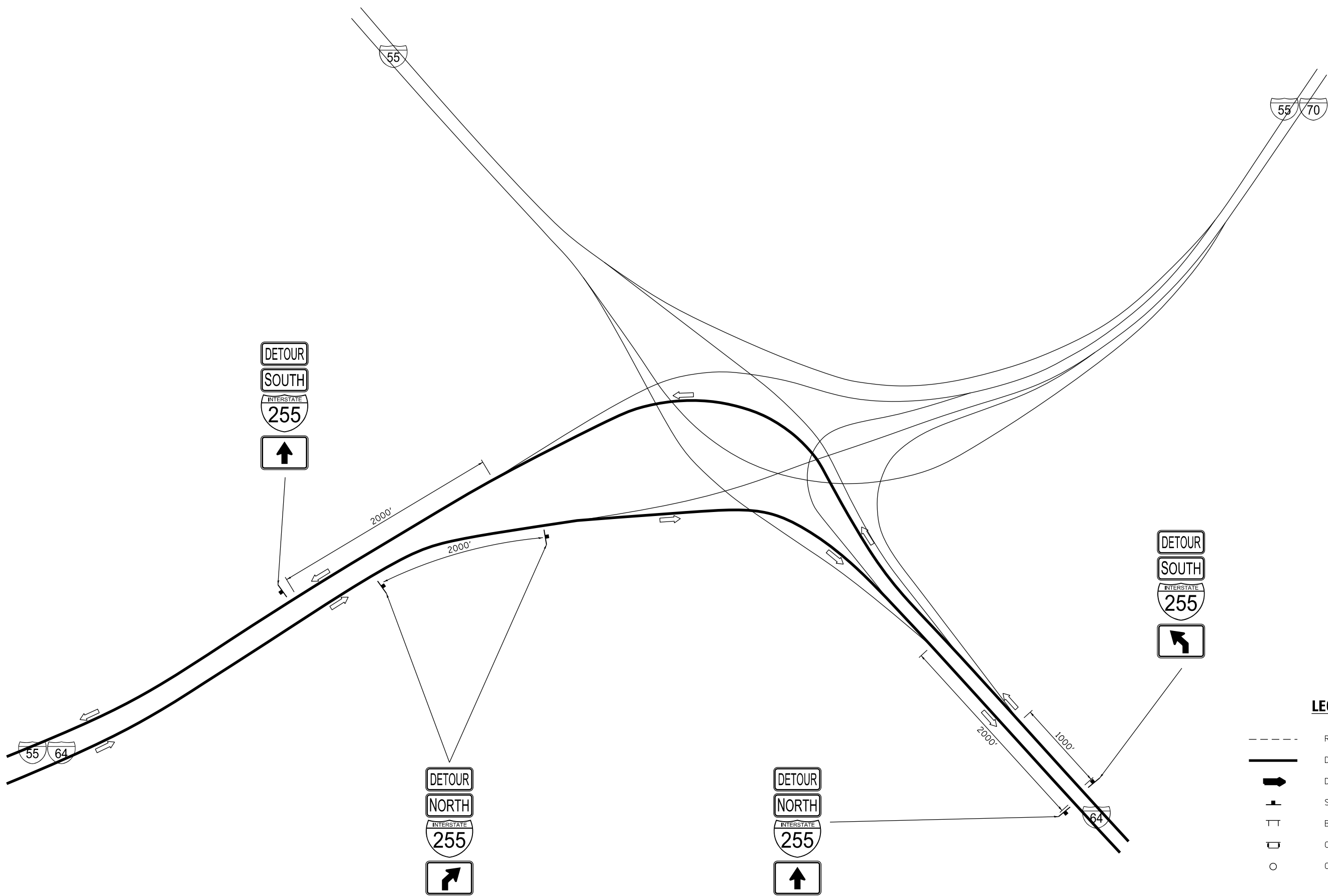
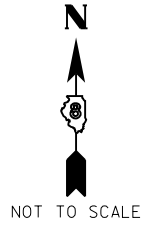
- - - - - RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- ➔ DETOUR TRAFFIC
- ┌- SIGN ON PERMANENT SUPPORTS
- TT BARRICADE, TYPE III
- ◻ CHANGEABLE MESSAGE SIGN
- CONE OR DRUM



USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 7000.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETOUR PLANS (DETAIL 3)			255	82-(3,2)RS	ST. CLAIR	280	54
SCALE: NTS		SHEET 4 OF 9 SHEETS		STA. TO STA.		CONTRACT NO. 76E13	
				ILLINOIS FED. AID PROJECT			



LEGEND

- RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- DETOUR TRAFFIC
- SIGN ON PERMANENT SUPPORTS
- TT BARRICADE, TYPE III
- ◻ CHANGEABLE MESSAGE SIGN
- CONE OR DRUM

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



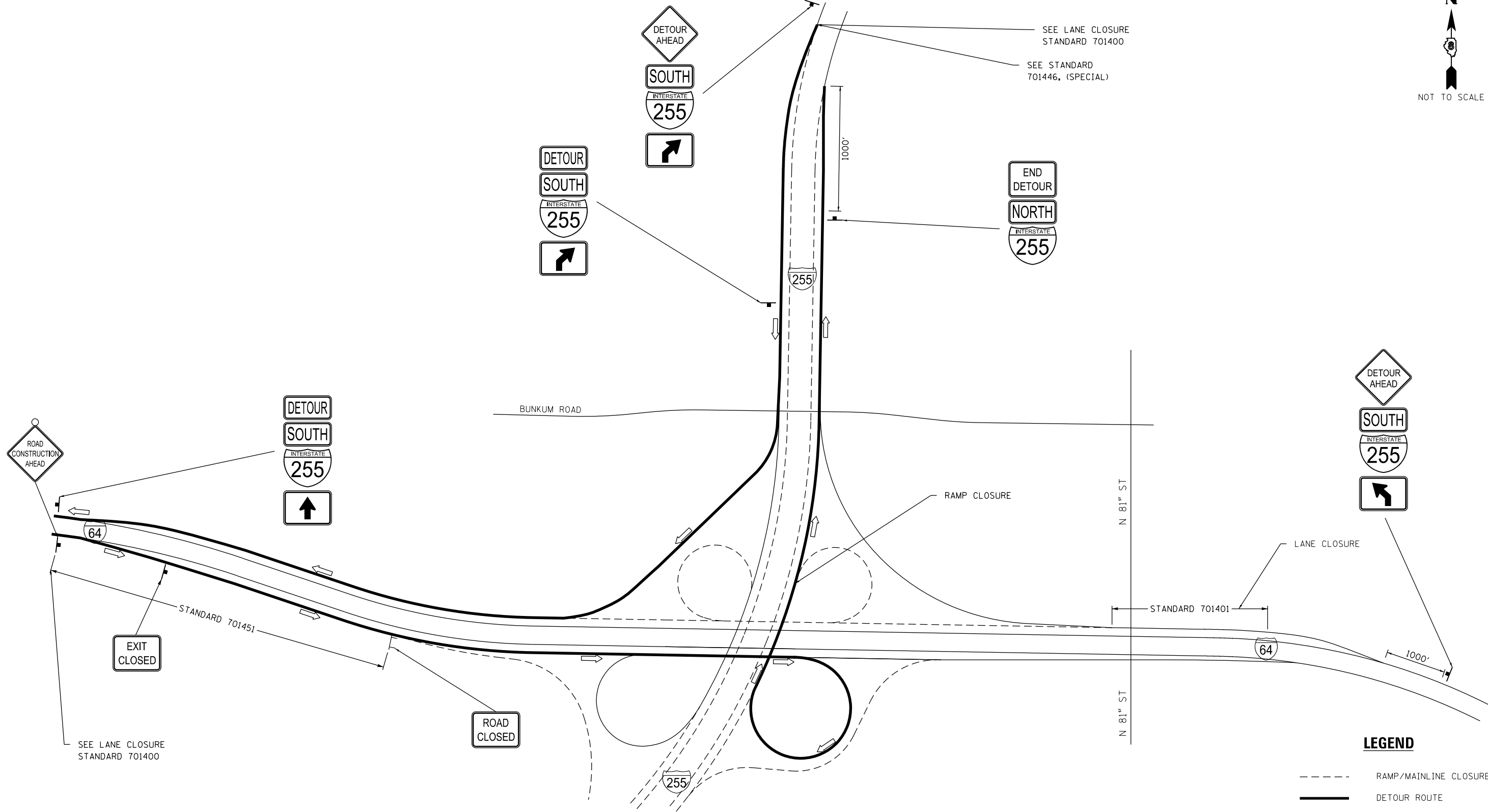
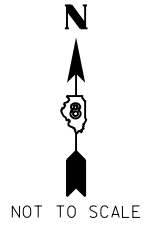
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PLOT DATE = 8/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
DETOUR PLANS (DETAIL 4)**

SCALE: NTS SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	55
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- DETOUR TRAFFIC
- SIGN ON PERMANENT SUPPORTS
- BARRICADE, TYPE III
- CHANGEABLE MESSAGE SIGN
- CONE OR DRUM

NUMBER OF LANE/RAMP CLOSURES: 3

MODEL: Default
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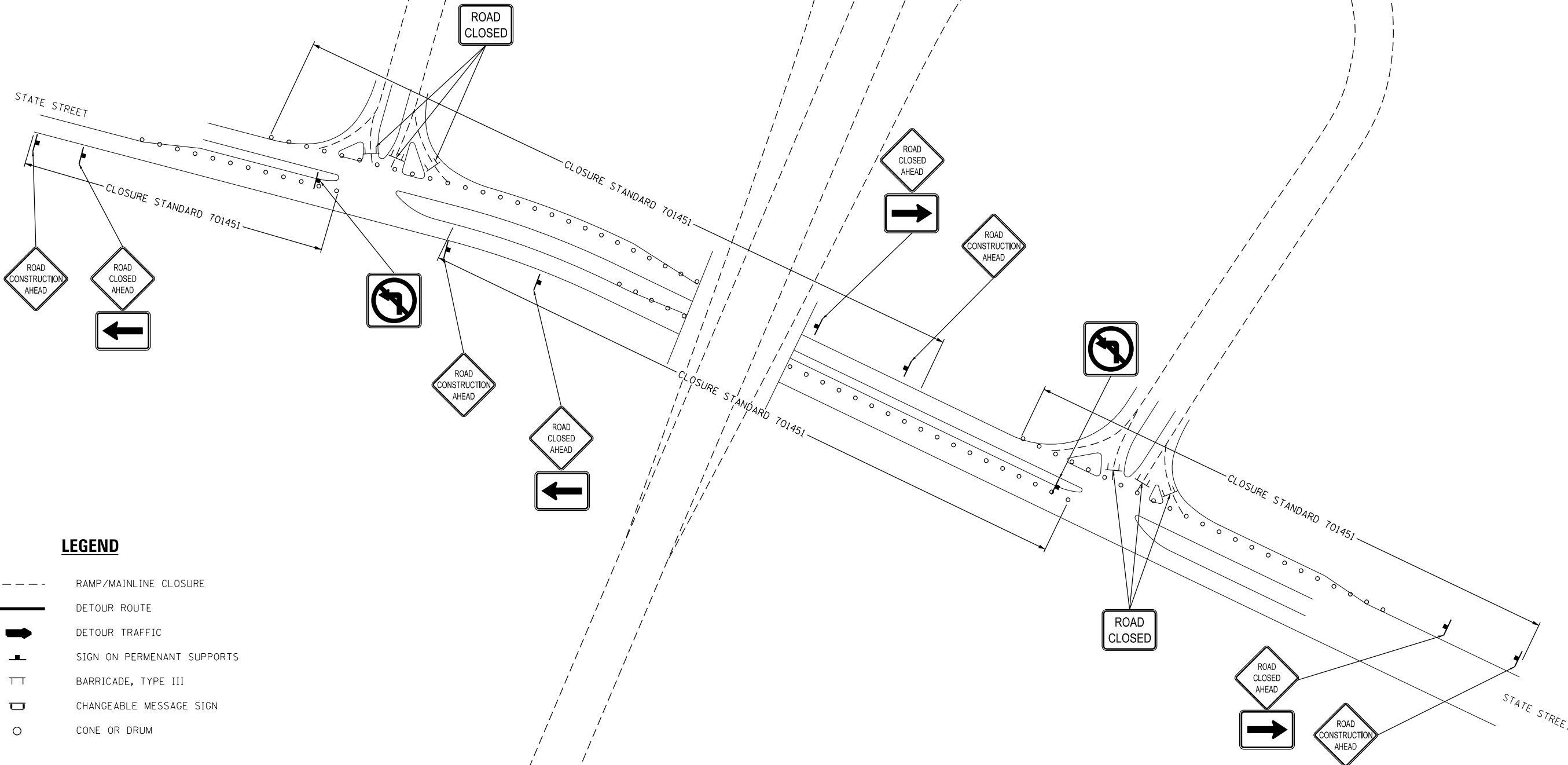
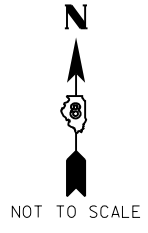


USER NAME = stephanie.jee	DESIGNED -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -





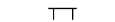


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 DETOUR PLANS (DETAIL 5)			
SCALE: NTS	SHEET 6 OF 9 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	56
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

-  RAMP/MAINLINE CLOSURE
-  DETOUR ROUTE
-  DETOUR TRAFFIC
-  SIGN ON PERMANENT SUPPORTS
-  BARRICADE, TYPE III
-  CHANGEABLE MESSAGE SIGN
-  CONE OR DRUM

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

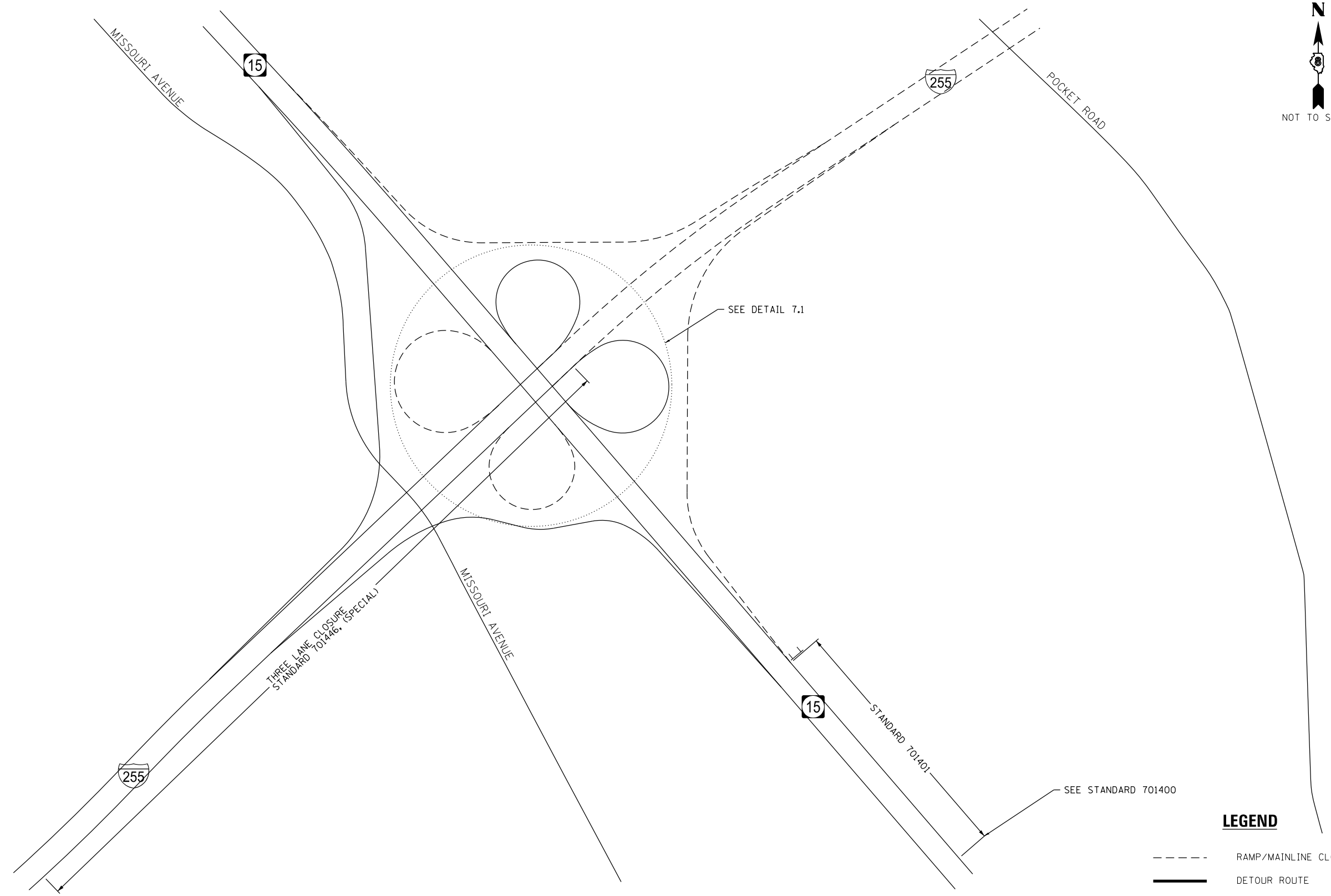
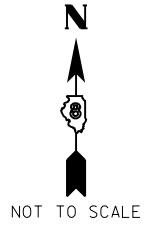


USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 7000.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 DETOUR PLANS (DETAIL 6)			
SCALE: NTS	SHEET 7	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	57
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- ➔ DETOUR TRAFFIC
- ⊥ SIGN ON PERMANENT SUPPORTS
- TT BARRICADE, TYPE III
- ◻ CHANGEABLE MESSAGE SIGN
- CONE OR DRUM

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

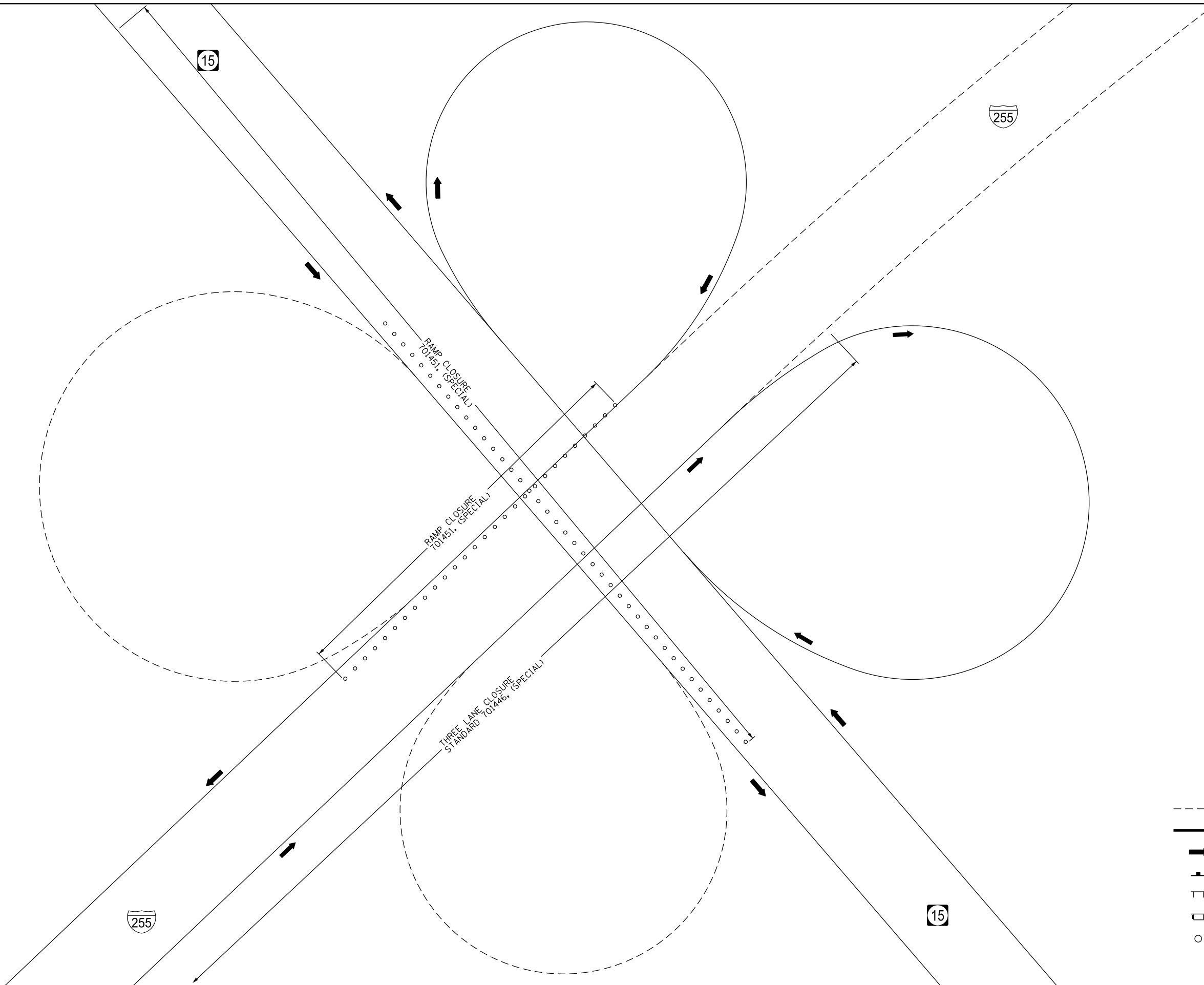
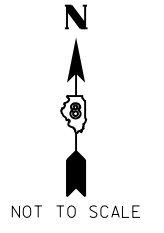


USER NAME = stephanie.jee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 7000.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 DETOUR PLANS (DETAIL 7)			
SCALE: NTS	SHEET 8	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	58
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- RAMP/MAINLINE CLOSURE
- DETOUR ROUTE
- ➔ DETOUR TRAFFIC
- ▲ SIGN ON PERMANENT SUPPORTS
- TT BARRICADE, TYPE III
- ◻ CHANGEABLE MESSAGE SIGN
- CONE OR DRUM

MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



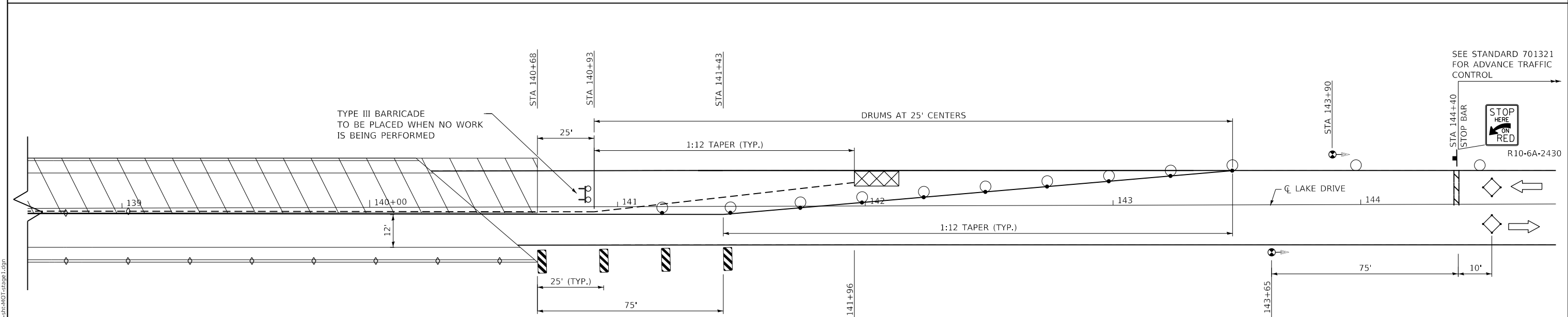
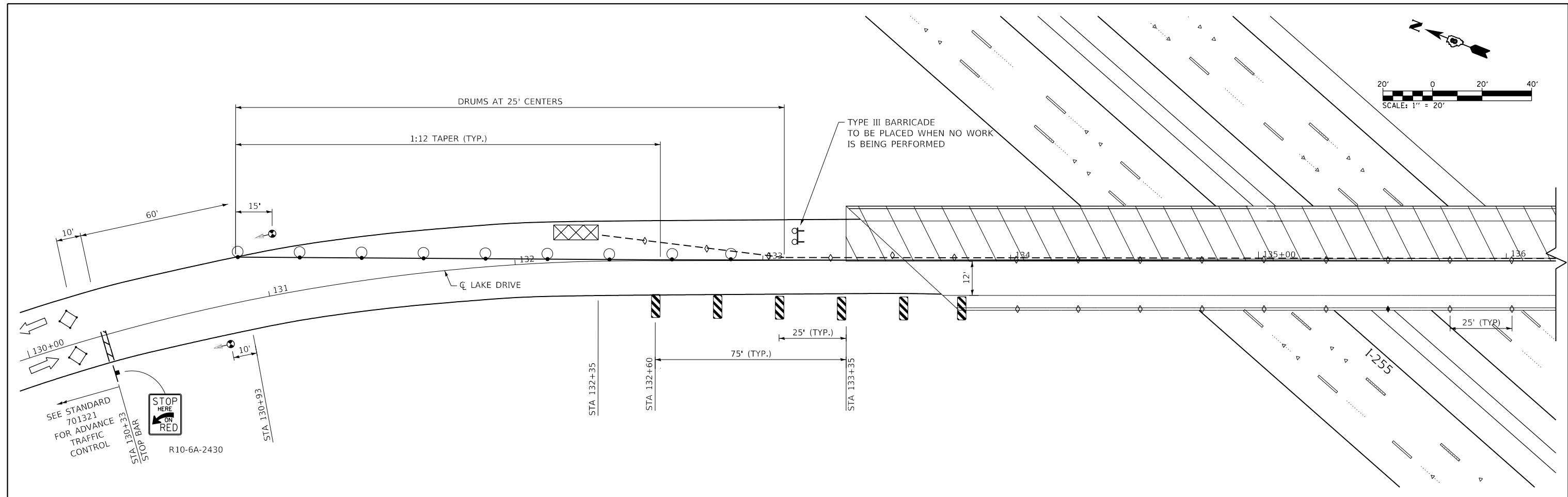
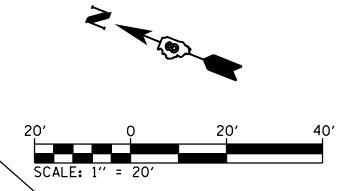
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	DRAWN -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
DETOUR PLANS (DETAIL 7.1)

SCALE: NTS SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	59
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANEL
- CRYSTAL, BI-DIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- DRUM

MODEL: Stage 1
 FILE NAME: I:\R117025\17025.002\CADD\MicroStation\CADD_Drawing\0876E13-2h-MOT-Stage 1.dgn



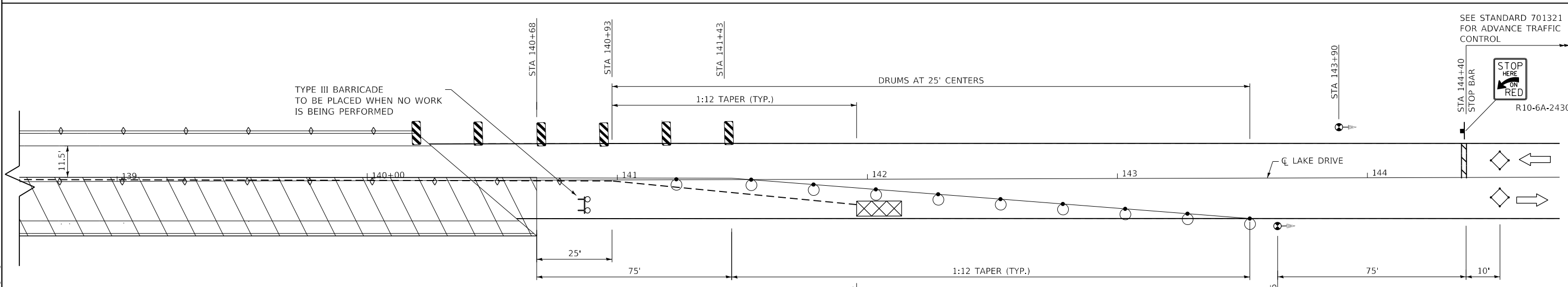
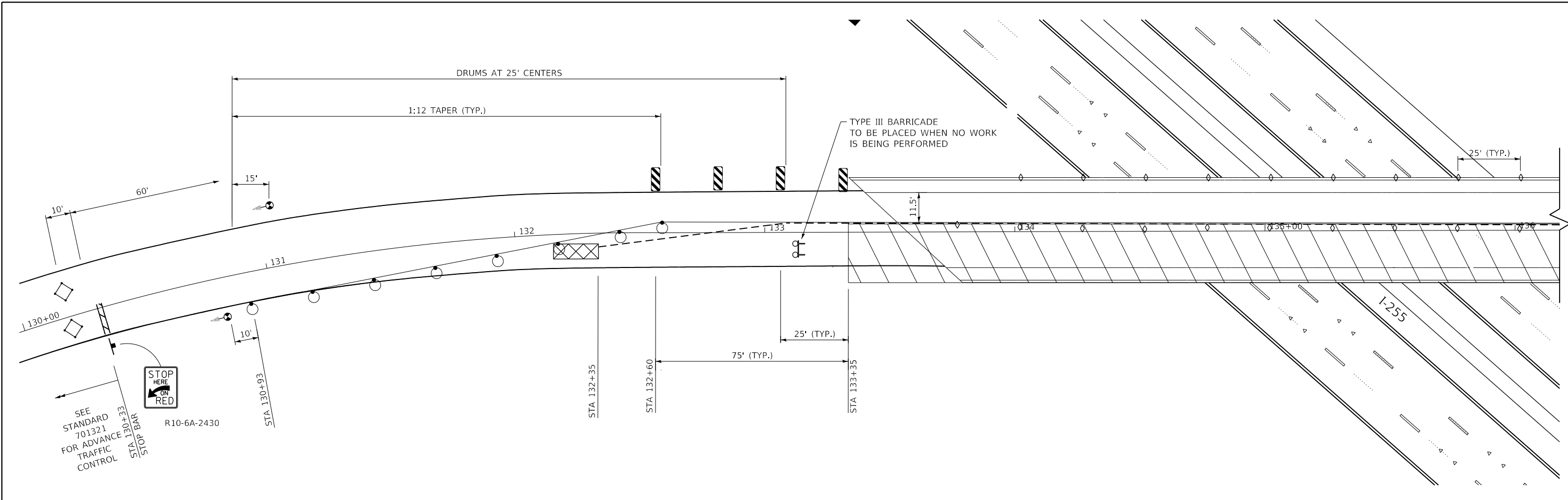
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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED - SCC	REVISED -
PLOT DATE = 5-13-19	DATE - 5-13-19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LAKE DRIVE TRAFFIC CONTROL SHEETS
STAGE 1**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2),RS	ST. CLAIR	280	60
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- DOUBLE VERTICAL PANEL
- CRYSTAL, BI-DIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- DRUM

MODEL: Stage 2
 FILE NAME: I:\R117025\17025.002\CADD\Microstation\CADD_Drawing\0810876E13-2h-MOT-Stage2.dgn



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 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 8/2/2019

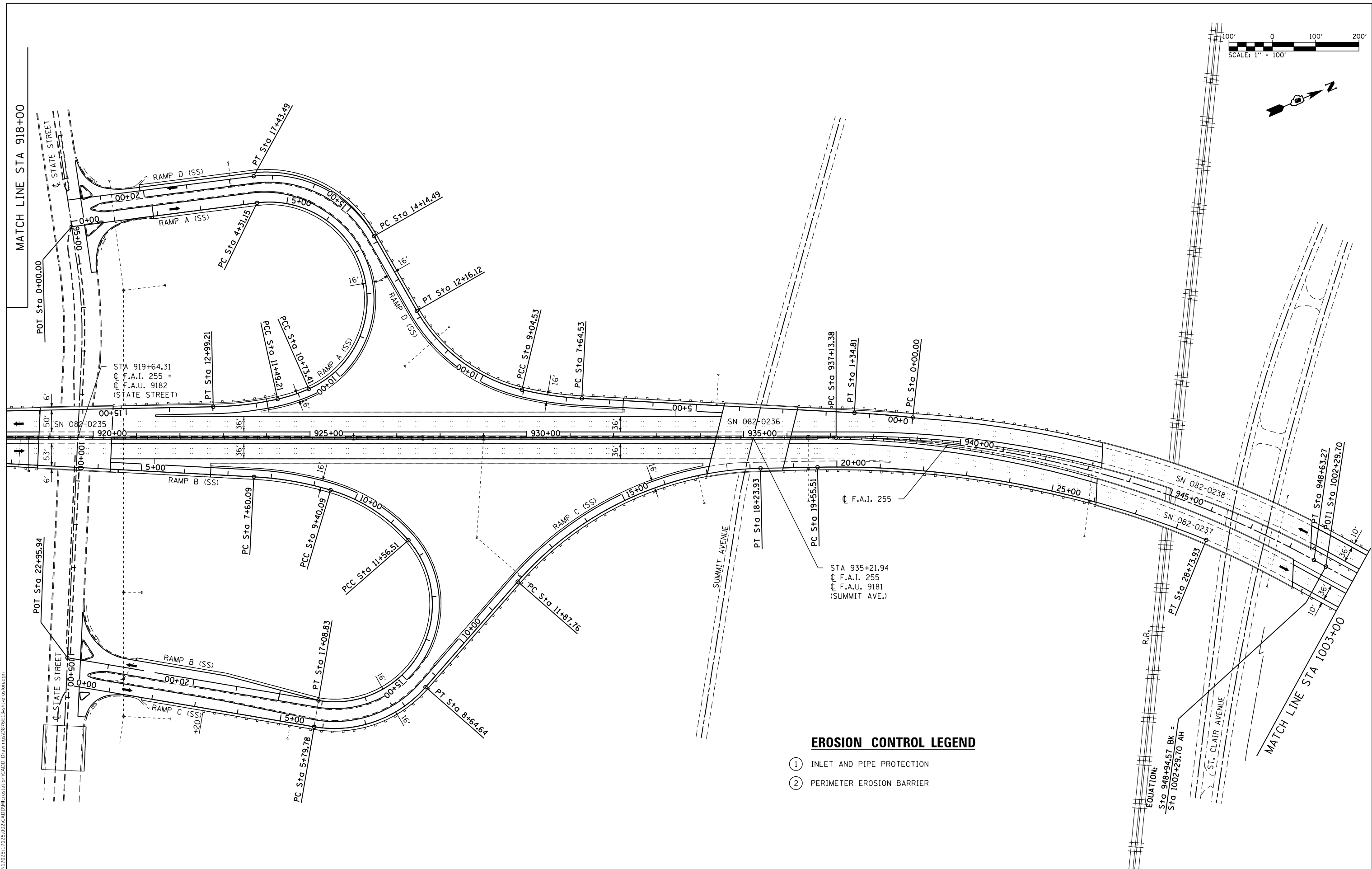
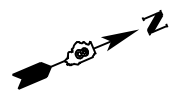
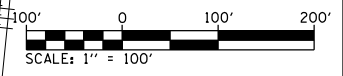
DESIGNED - EJB
 DRAWN - EJB
 CHECKED - SCC
 DATE - 5-13-19

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LAKE DRIVE TRAFFIC CONTROL SHEETS
STAGE 2**
 SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	61
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL LEGEND**
- ① INLET AND PIPE PROTECTION
 - ② PERIMETER EROSION BARRIER

MODEL: D:\07613\13-09-09\11
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



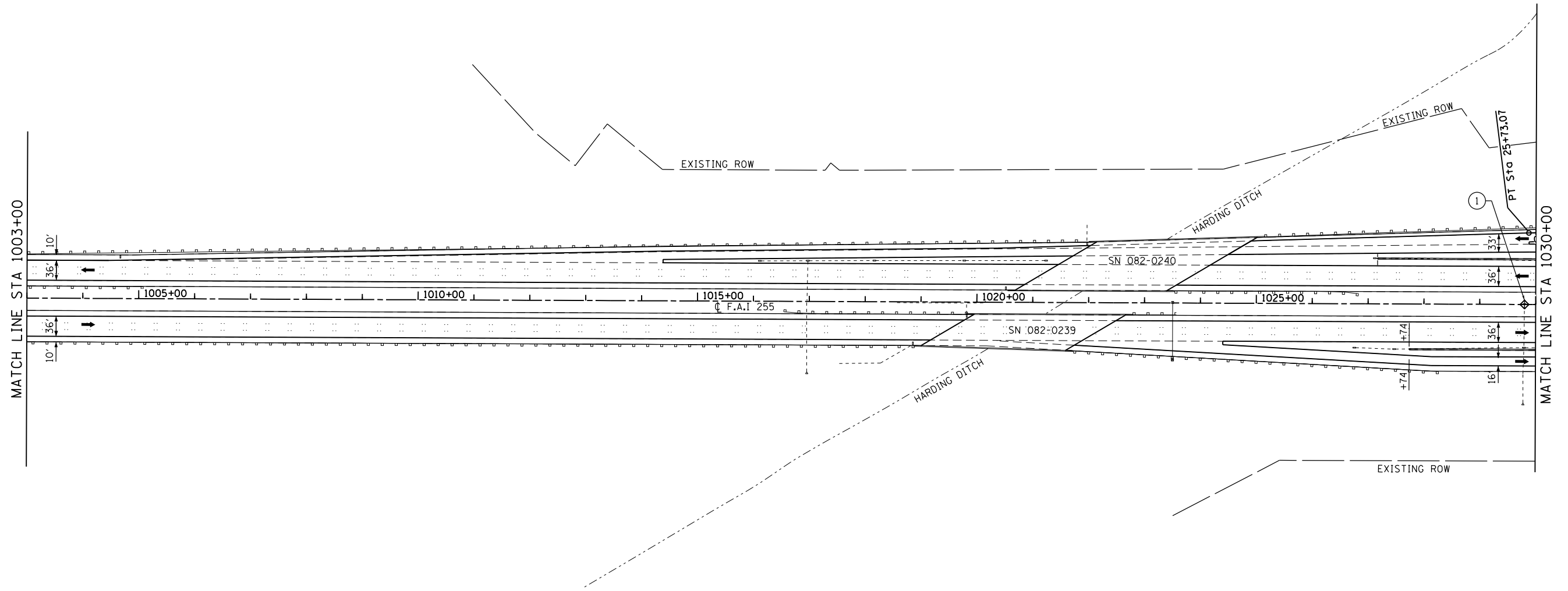
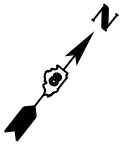
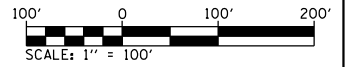
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
EROSION CONTROL SHEETS**

SCALE: 1" = 100' SHEET 1 OF 6 SHEETS STA. 918+00 TO STA. 1003+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	62
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

- ① INLET AND PIPE PROTECTION
- ② PERIMETER EROSION BARRIER

MODEL: D:\76E13-Sub\76E13-2.dwg
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

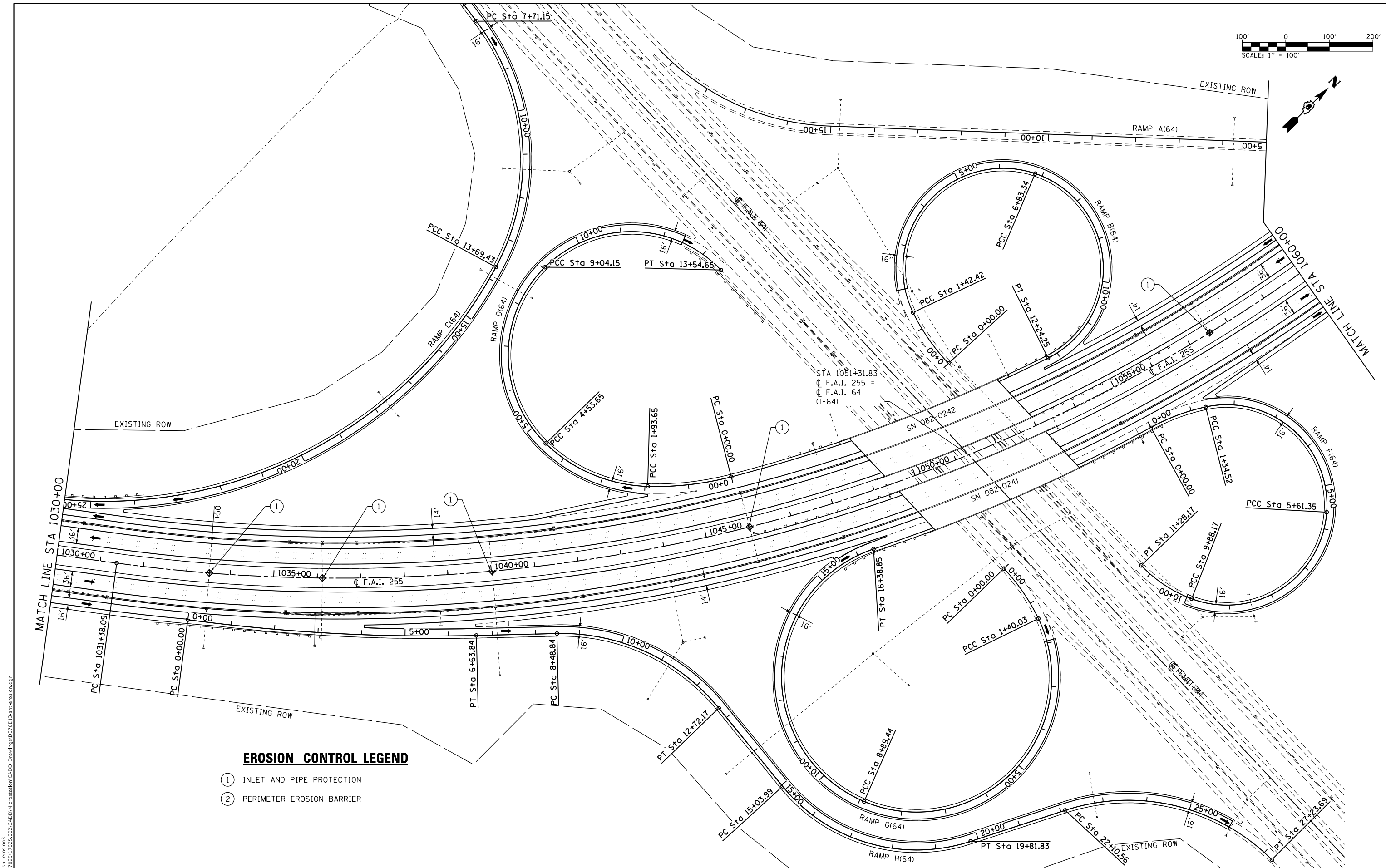
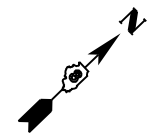
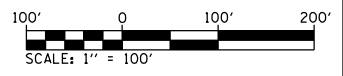


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	DRAWN -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
EROSION CONTROL SHEETS
 SCALE: 1" = 100' SHEET 2 OF 6 SHEETS STA. 1003+00 TO STA. 1030+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	63
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

- ① INLET AND PIPE PROTECTION
- ② PERIMETER EROSION BARRIER



USER NAME = stephanie.jee	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
CHECKED -	REVISED -	REVISED -
DATE -	REVISED -	REVISED -
PLOT SCALE = 200.0000' / in.		
PLOT DATE = 8/2/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

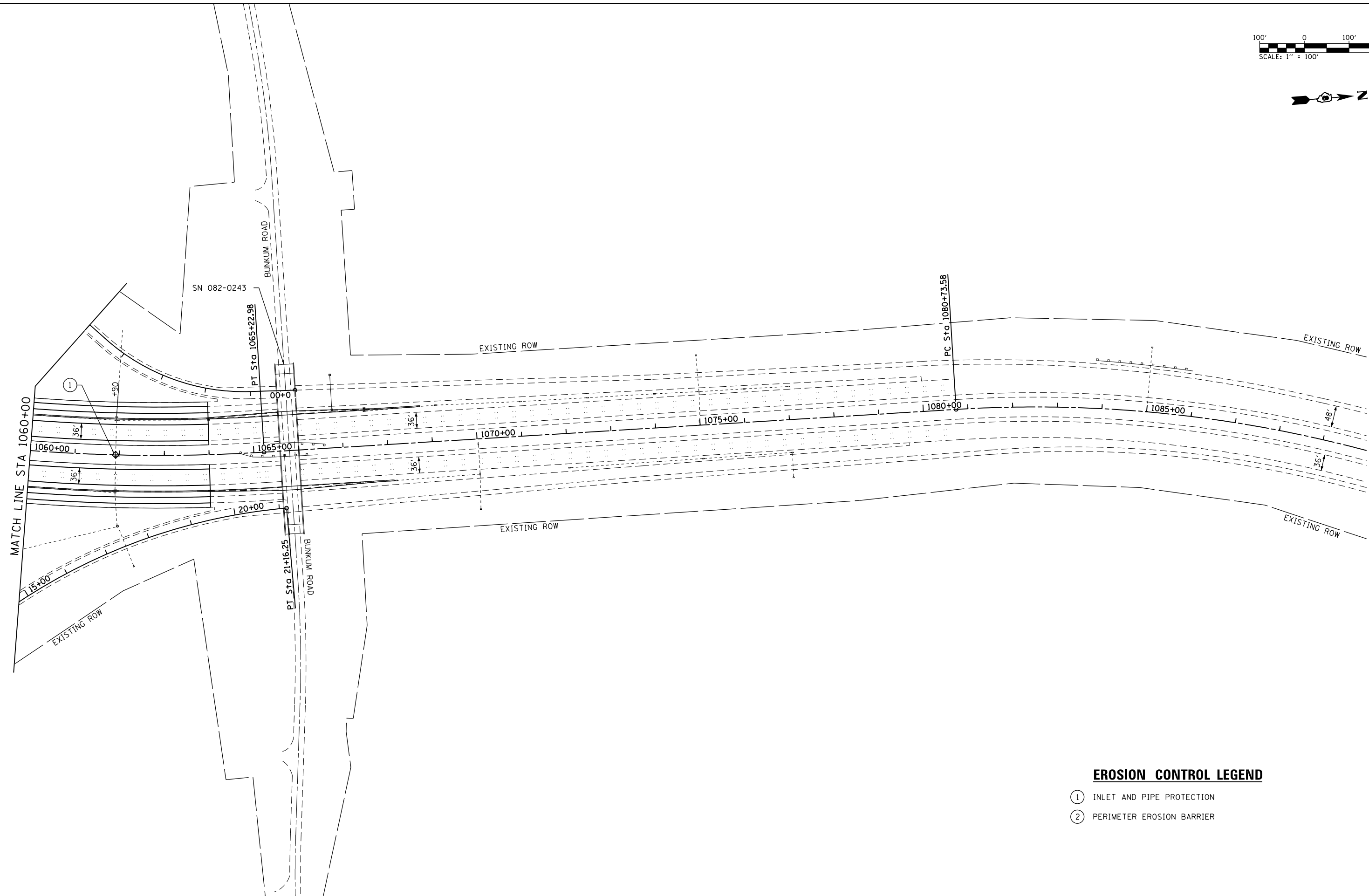
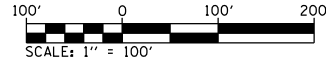
**I-255
EROSION CONTROL SHEETS**

SCALE: 1" = 100' SHEET 3 OF 6 SHEETS STA. 1030+00 TO STA. 1060+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	64
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

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EROSION CONTROL LEGEND

- ① INLET AND PIPE PROTECTION
- ② PERIMETER EROSION BARRIER

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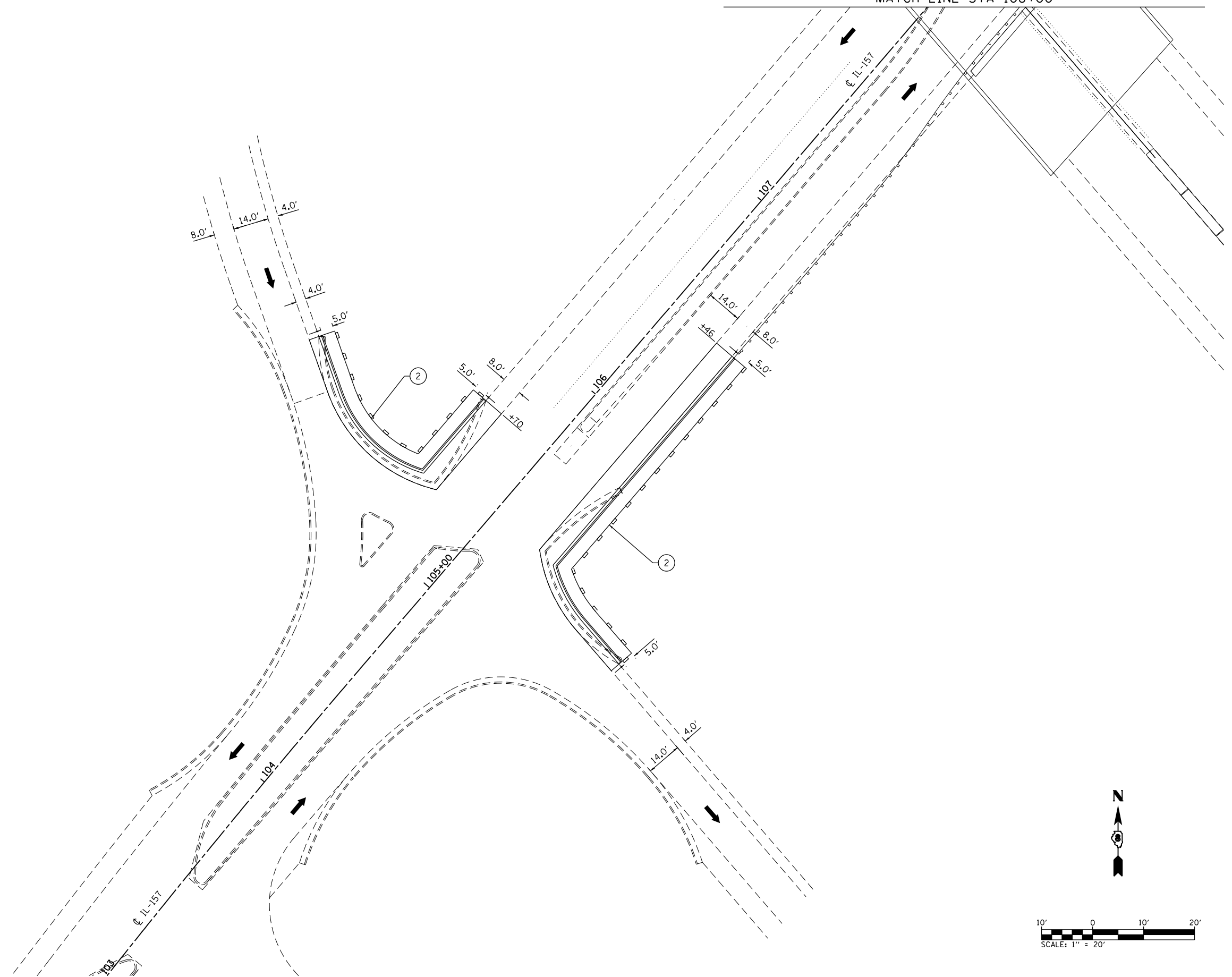
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 EROSION CONTROL SHEETS			
SCALE: 1" = 100'	SHEET 4	OF 6 SHEETS	STA. 1060+00 TO STA. 1090+00

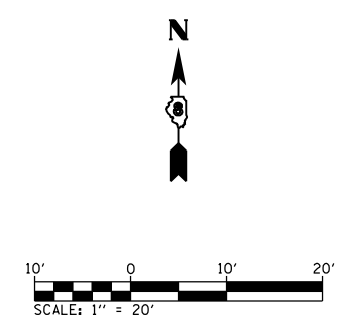
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	65
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 108+00



EROSION CONTROL LEGEND

- ① INLET AND PIPE PROTECTION
- ② PERIMETER EROSION BARRIER



MODEL: D:\76E13-Sub\76E13.dwg
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	DATE -	REVISED -

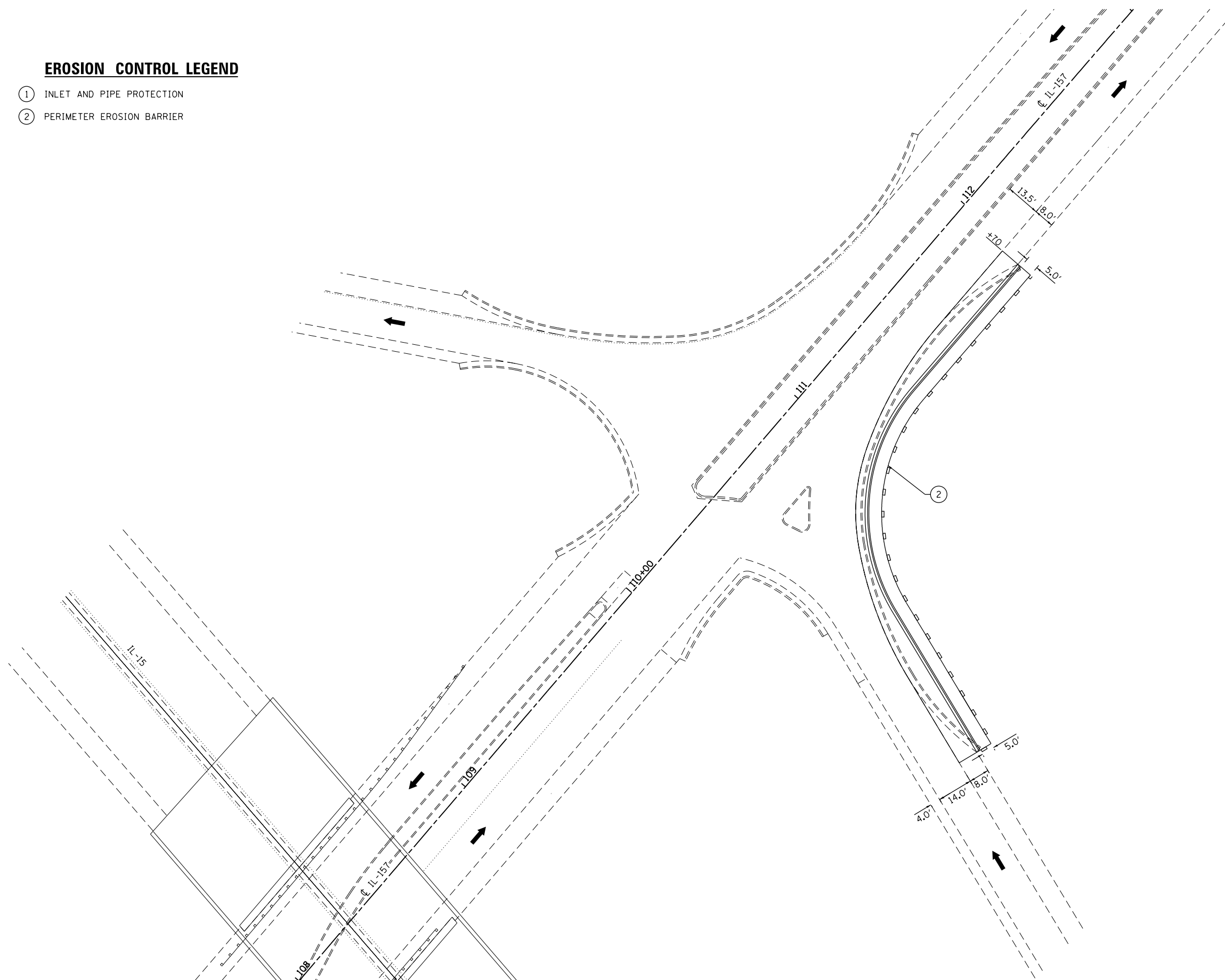
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 EROSION CONTROL SHEETS			
SCALE: 1" = 100'	SHEET 5	OF 6 SHEETS	STA. 103+00 TO STA. 108+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	66
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL LEGEND

- ① INLET AND PIPE PROTECTION
- ② PERIMETER EROSION BARRIER



MATCH LINE STA 108+00

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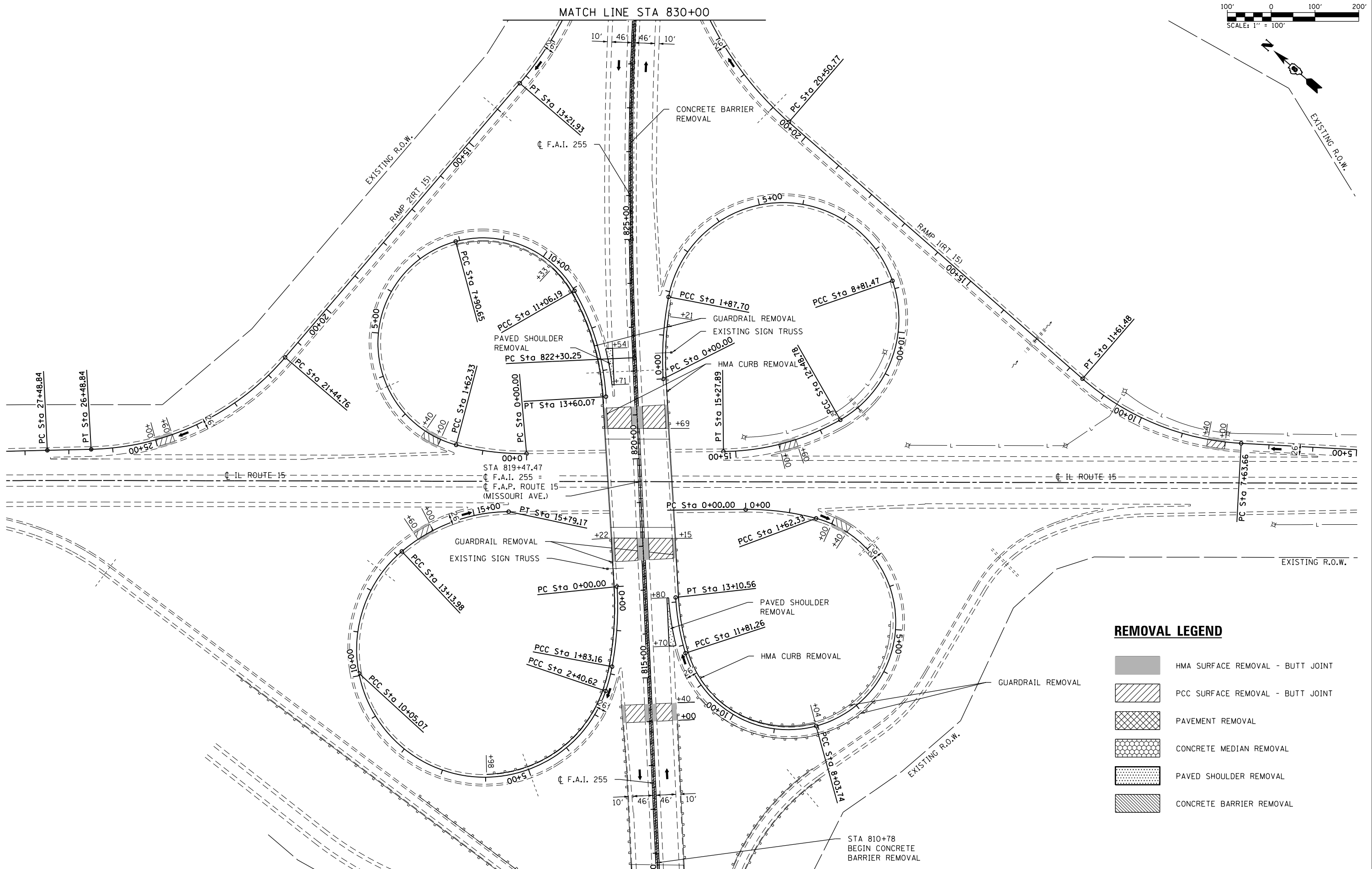
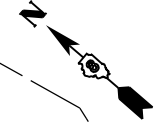
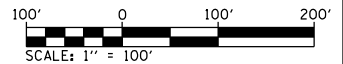
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
EROSION CONTROL SHEETS**

SCALE: 1" = 100' SHEET 6 OF 6 SHEETS STA. 103+00 TO STA. 108+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	67
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



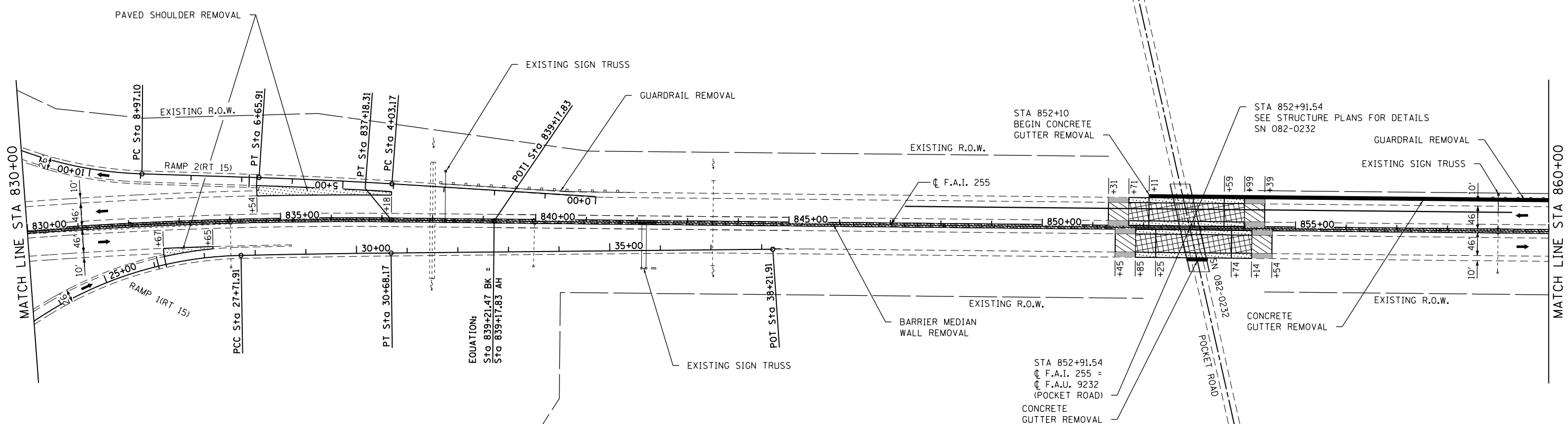
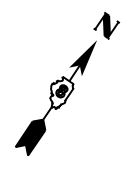
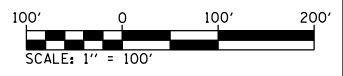
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PLOT DATE = 8/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
REMOVAL SHEET**

SCALE: 1" = 100' SHEET 1 OF 8 SHEETS STA. 812+00 TO STA. 830+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	68
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



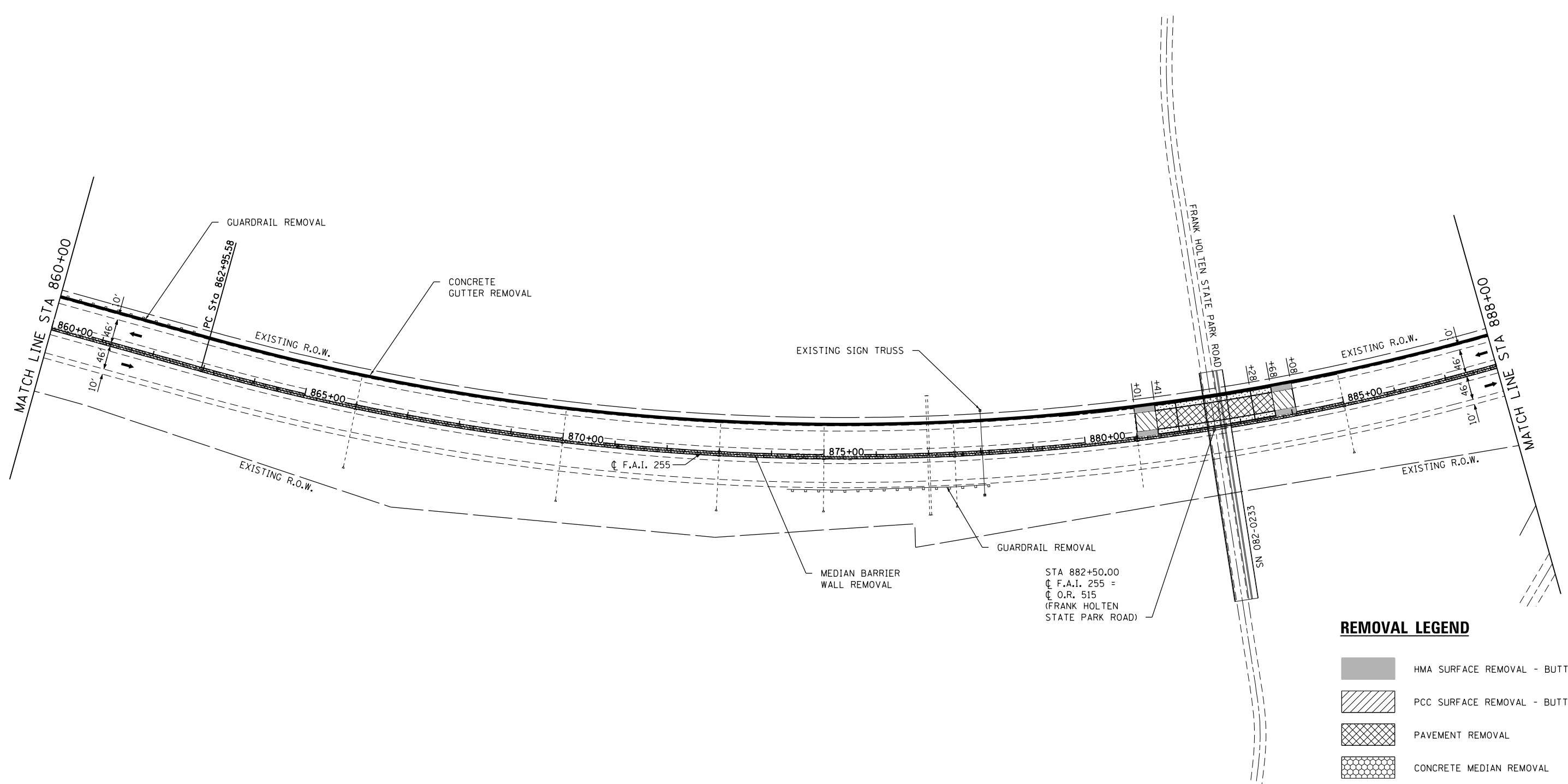
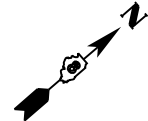
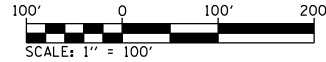
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PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
REMOVAL SHEET

SCALE: 1" = 100' SHEET 2 OF 8 SHEETS STA. 830+00 TO STA. 860+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	69
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



STA 882+50.00
 C F.A.I. 255 =
 C O.R. 515
 (FRANK HOLTEN
 STATE PARK ROAD)

REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

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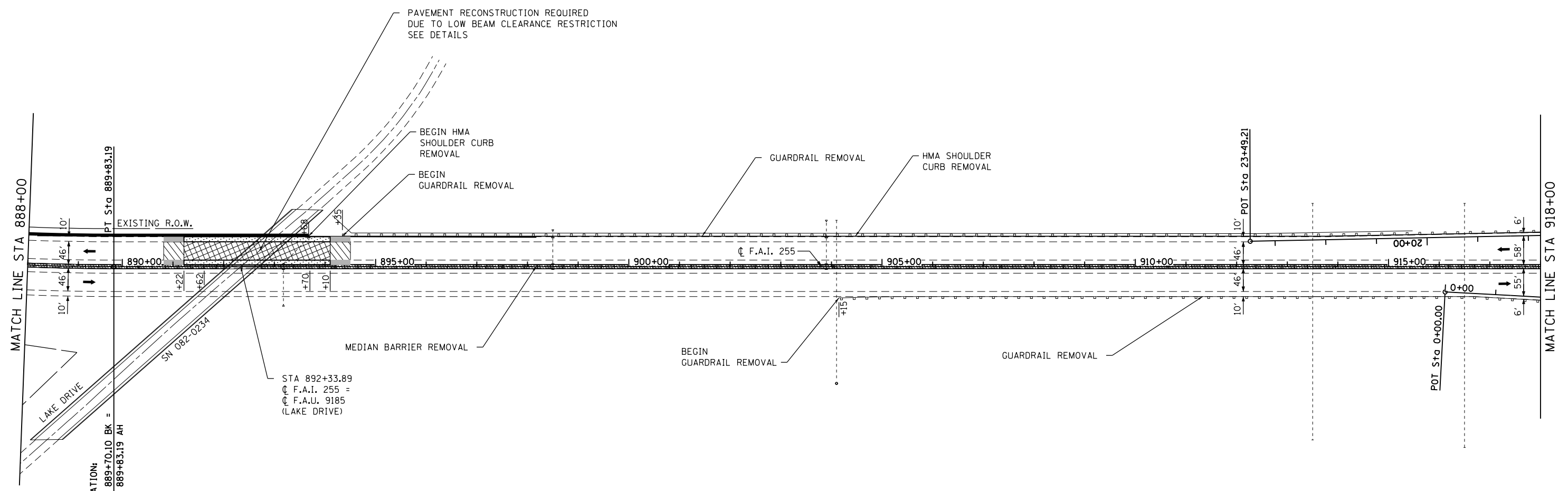
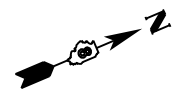
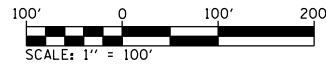


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-255 REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 3	OF 8 SHEETS	STA. 860+00 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	70
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



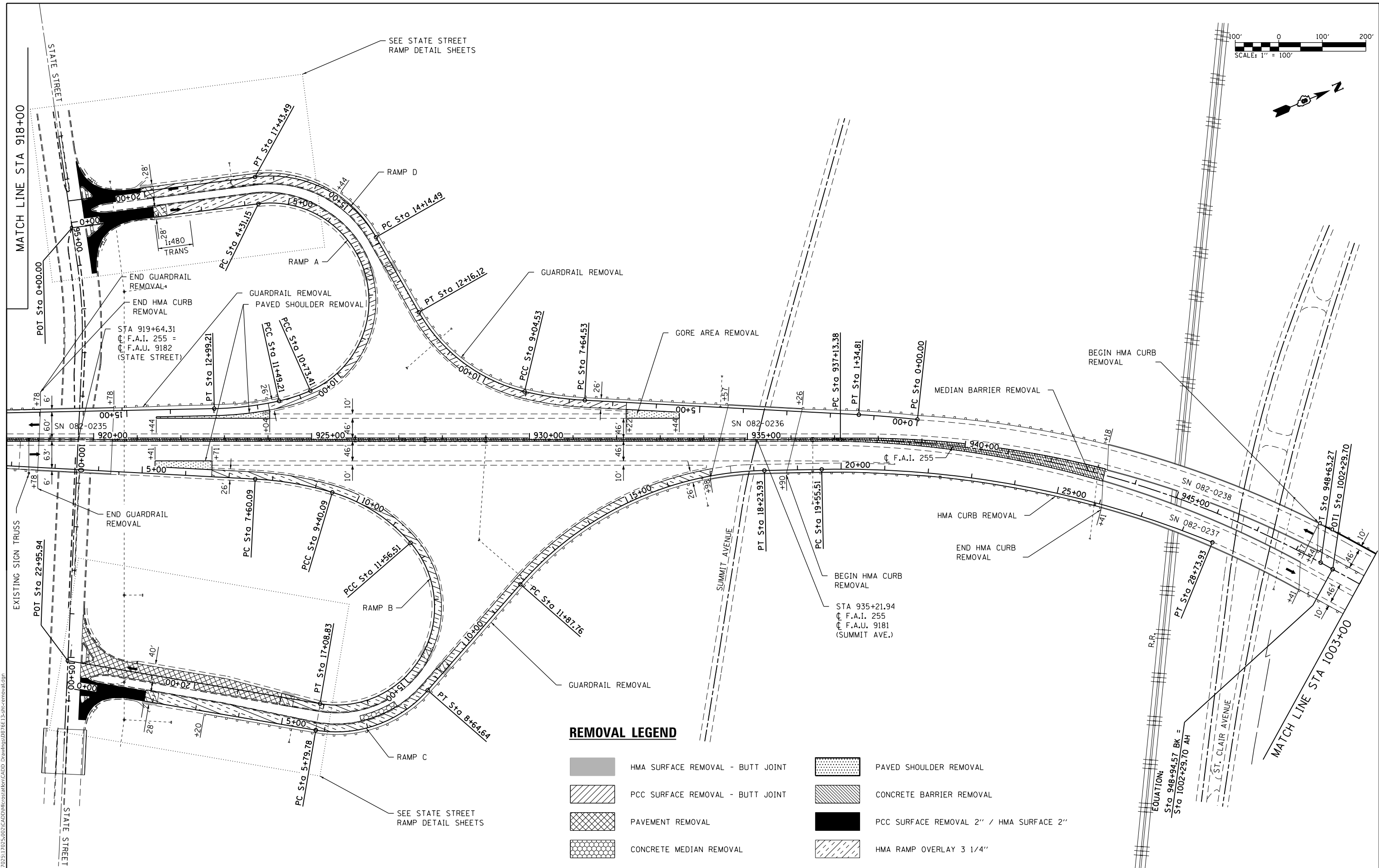
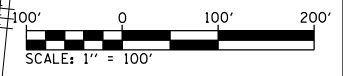
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
REMOVAL SHEET**

SCALE: 1" = 100' SHEET 4 OF 8 SHEETS STA. 888+00 TO STA. 918+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	71
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL
- PCC SURFACE REMOVAL - BUTT JOINT
- CONCRETE BARRIER REMOVAL
- PAVEMENT REMOVAL
- PCC SURFACE REMOVAL 2" / HMA SURFACE 2"
- CONCRETE MEDIAN REMOVAL
- HMA RAMP OVERLAY 3 1/4"

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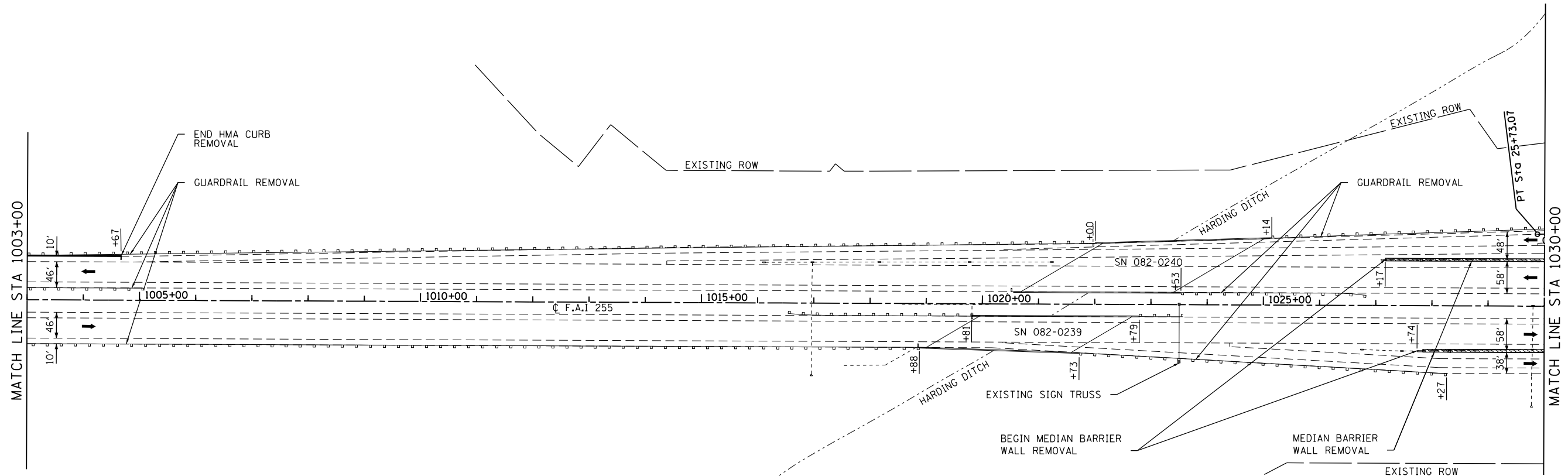
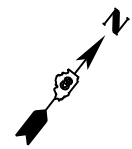
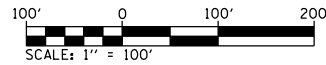


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PLOT DATE = 8/2/2019	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-25 REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 5	OF 8 SHEETS	STA. 918+00 TO STA. 1003+00

F.A.I. RTE. 255	SECTION 82-(3.2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 72
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



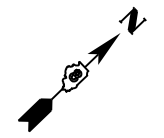
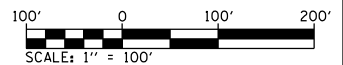
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	DRAWN -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
REMOVAL SHEET**

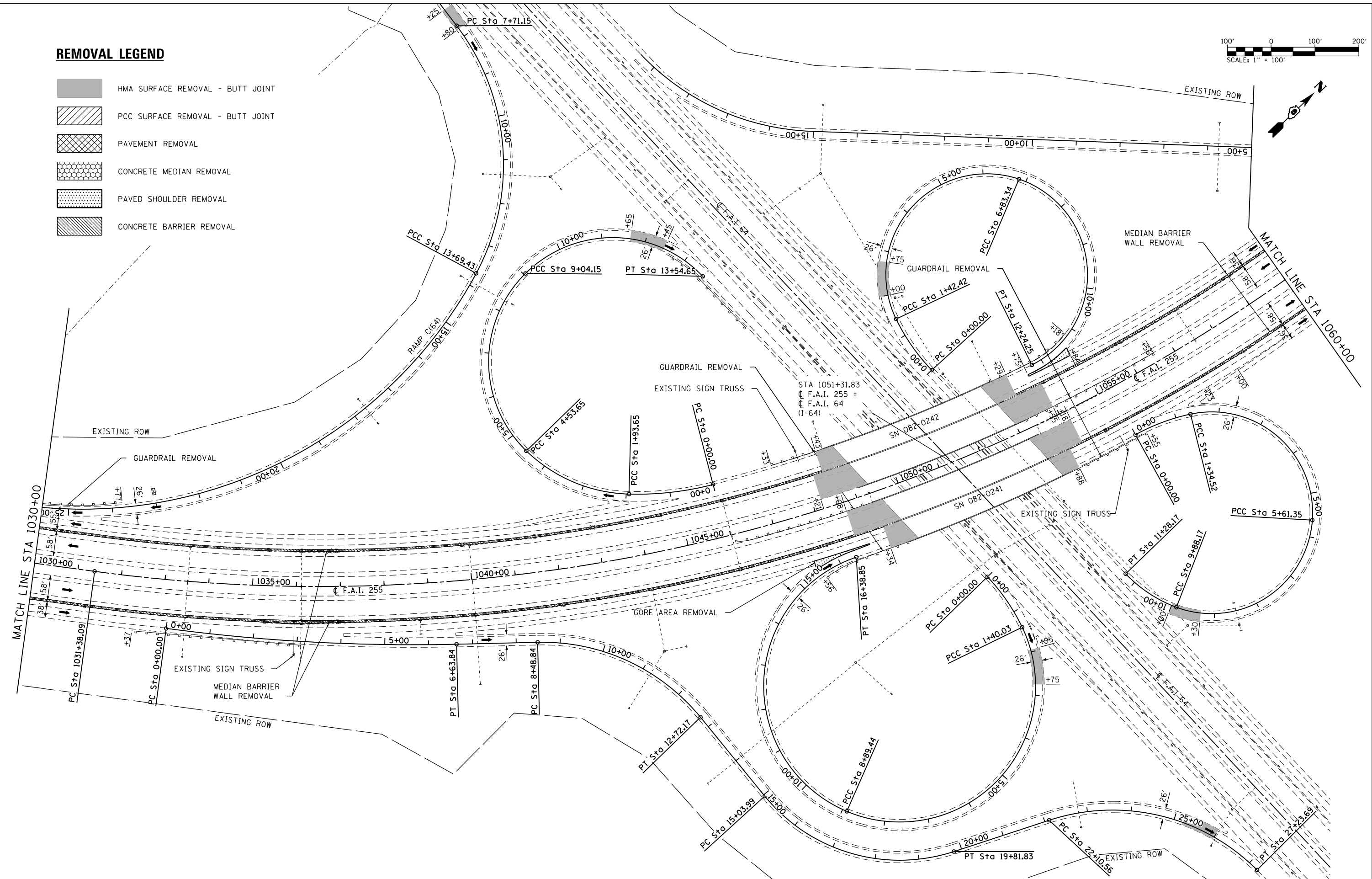
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	73
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL



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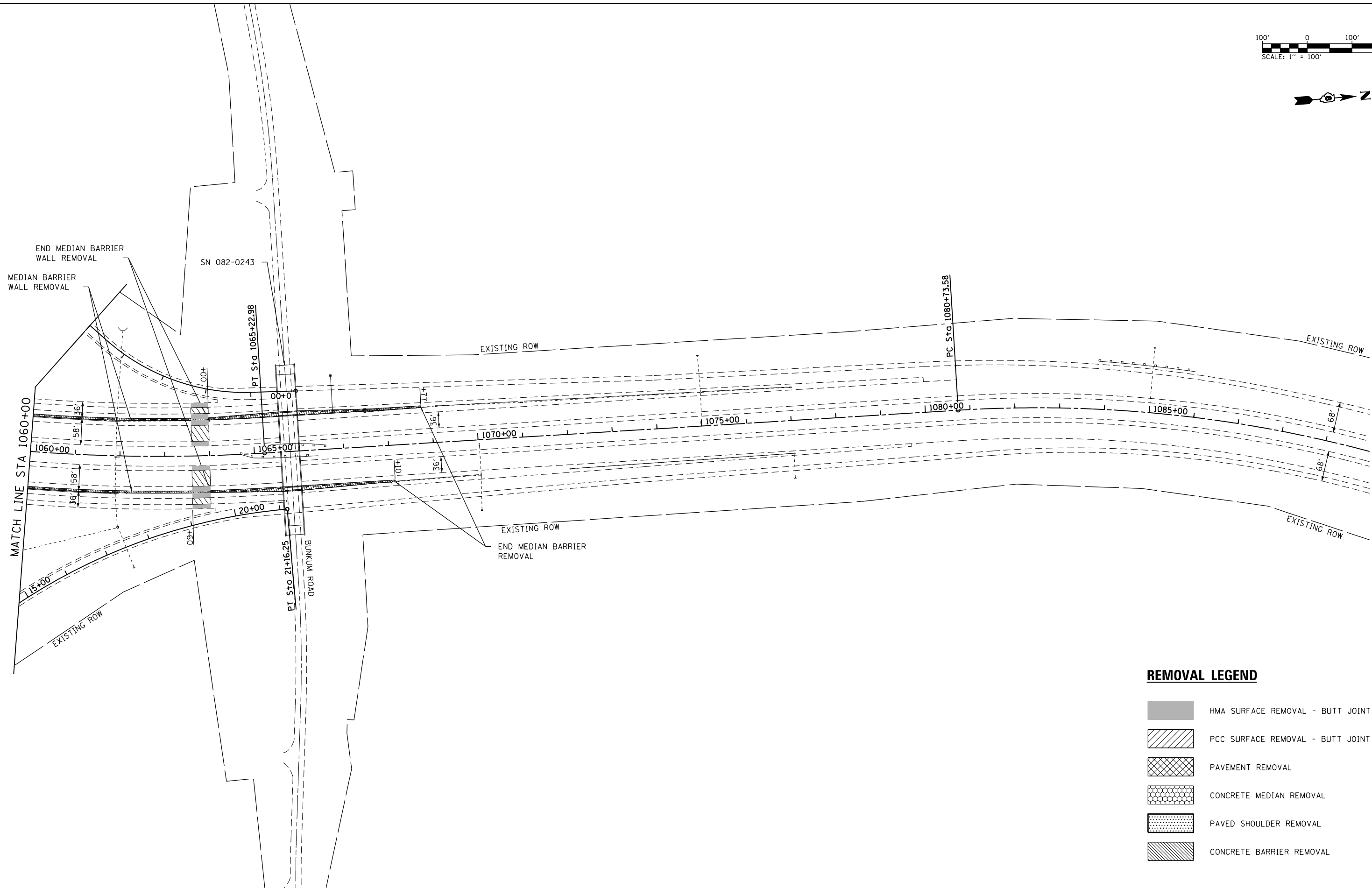
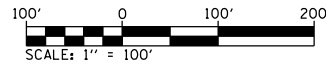


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	DATE -	REVISED -







STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

I-255			
REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 7	OF 8 SHEETS	STA. 1030+00 TO STA. 1060+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	74
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT
-  PCC SURFACE REMOVAL - BUTT JOINT
-  PAVEMENT REMOVAL
-  CONCRETE MEDIAN REMOVAL
-  PAVED SHOULDER REMOVAL
-  CONCRETE BARRIER REMOVAL

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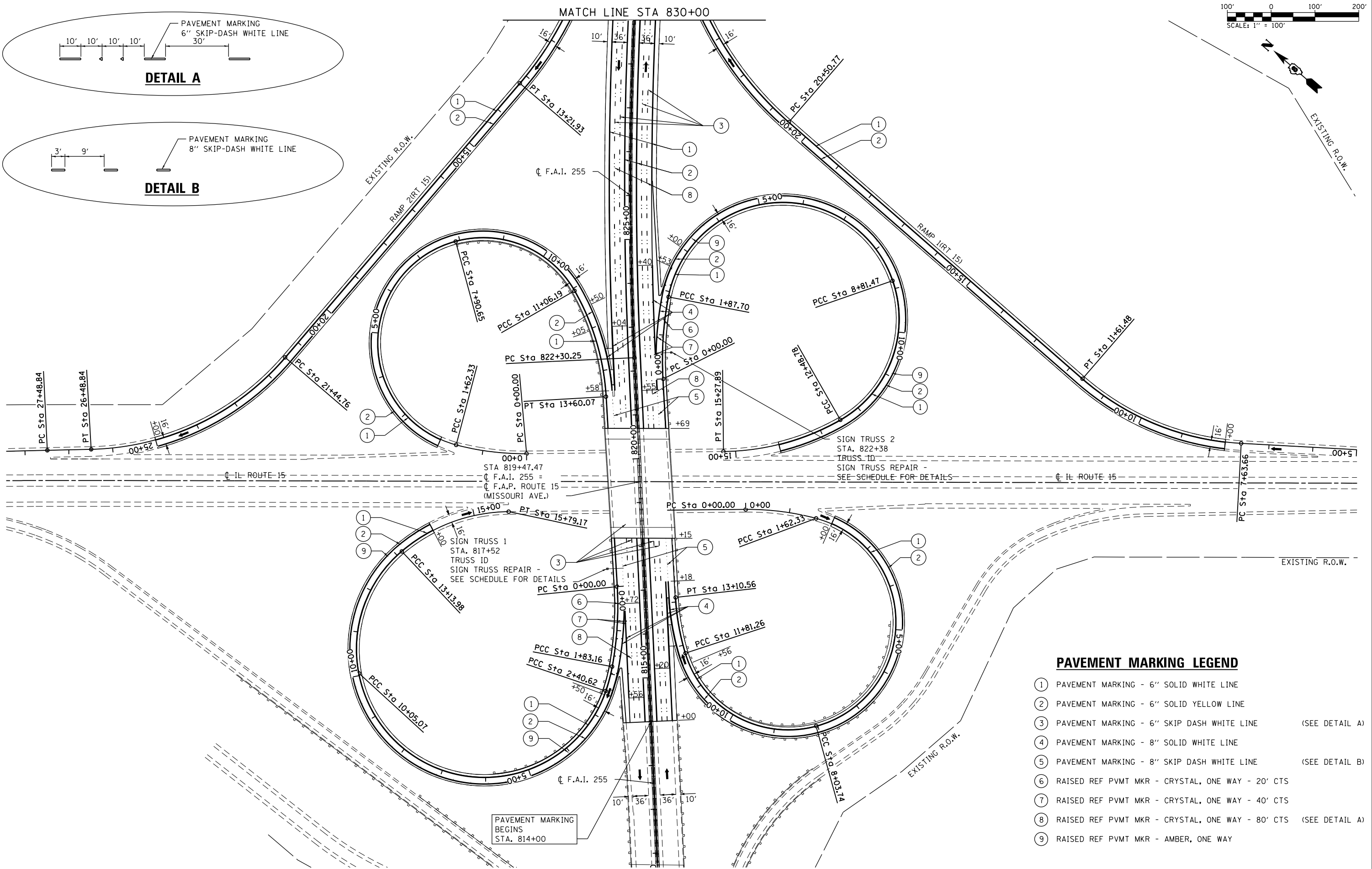
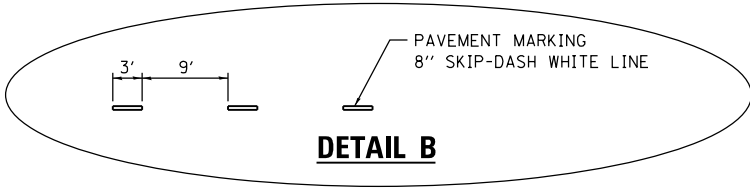
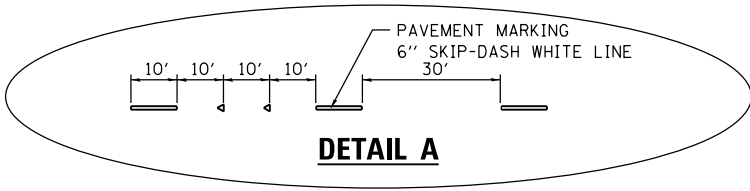
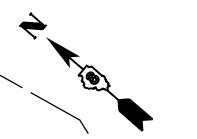
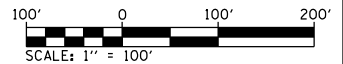

OATES ASSOCIATES
 www.oatesassociates.com
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	DRAWN -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 8	OF 8 SHEETS	STA. 1060+00 TO STA. 1090+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	75
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

①	PAVEMENT MARKING - 6" SOLID WHITE LINE	
②	PAVEMENT MARKING - 6" SOLID YELLOW LINE	
③	PAVEMENT MARKING - 6" SKIP DASH WHITE LINE	(SEE DETAIL A)
④	PAVEMENT MARKING - 8" SOLID WHITE LINE	
⑤	PAVEMENT MARKING - 8" SKIP DASH WHITE LINE	(SEE DETAIL B)
⑥	RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS	
⑦	RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS	
⑧	RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS	(SEE DETAIL A)
⑨	RAISED REF PVMT MKR - AMBER, ONE WAY	

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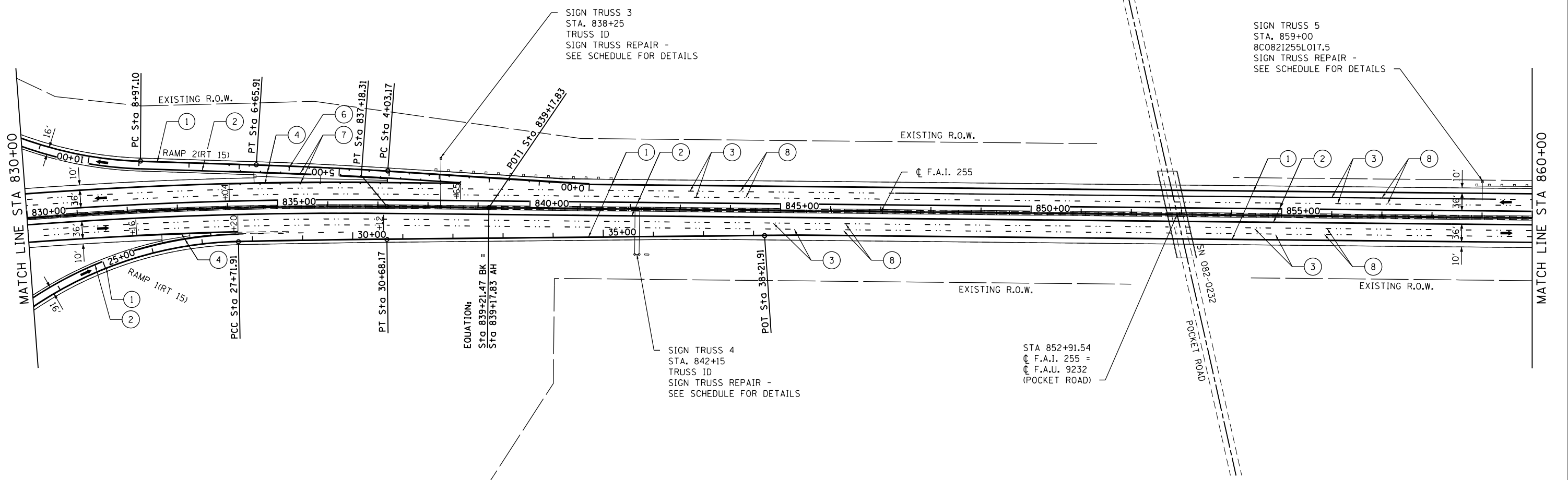
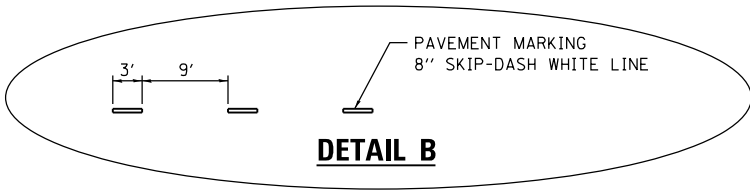
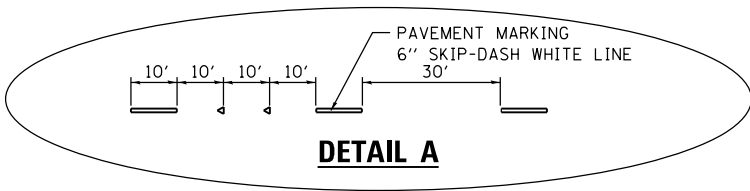
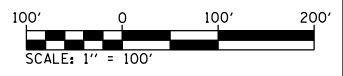
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CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255			
PAVEMENT MARKING AND SIGN SHEETS			
SCALE: 1" = 100'	SHEET 1	OF 9 SHEETS	STA. 812+00 TO STA. 830+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	76
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

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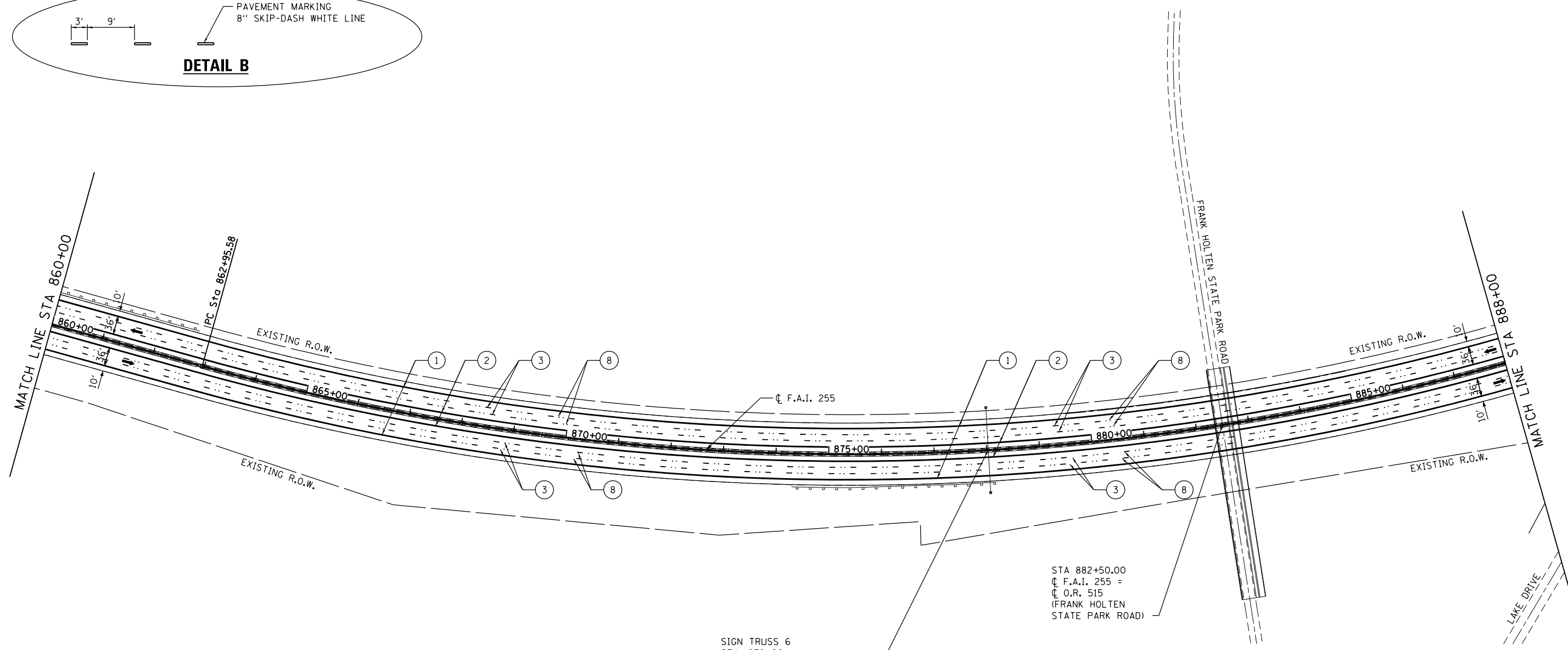
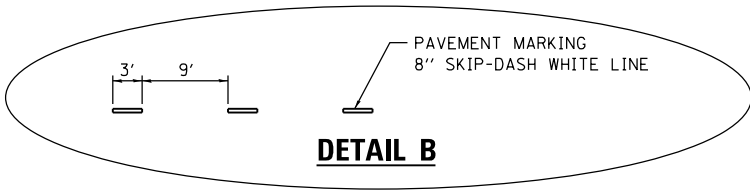
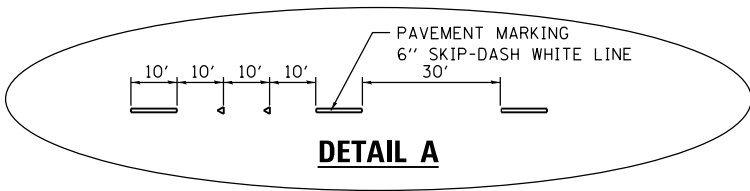
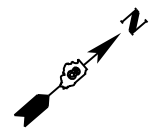
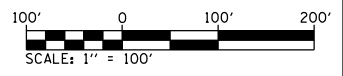
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
PAVEMENT MARKING AND SIGN SHEETS**

SCALE: 1" = 100' SHEET 2 OF 9 SHEETS STA. 830+00 TO STA. 860+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	77
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SIGN TRUSS 6
STA. 878+00
8S082I255R017.7
SIGN TRUSS REPAIR -
SEE SCHEDULE FOR DETAILS

STA 882+50.00
F.A.I. 255 =
O.R. 515
(FRANK HOLTEN
STATE PARK ROAD)

PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

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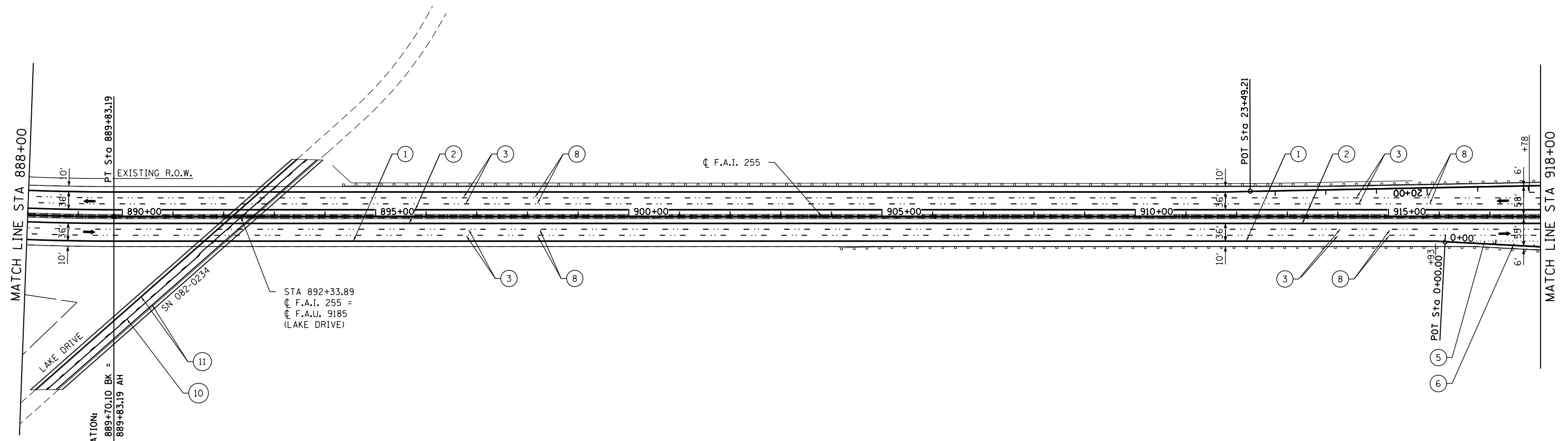
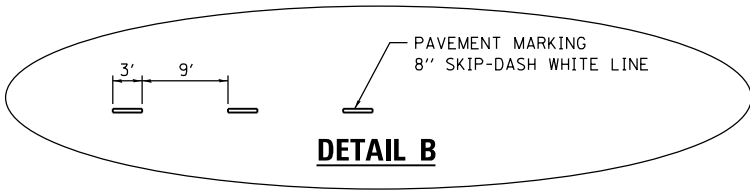
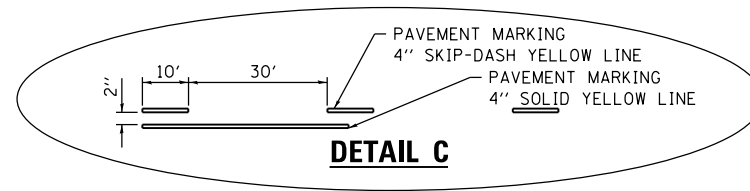
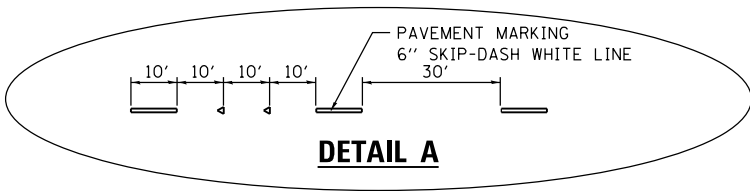
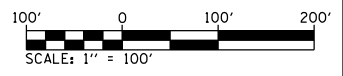


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
PAVEMENT MARKING AND SIGN SHEETS**
SCALE: 1" = 100' SHEET 3 OF 9 SHEETS STA. 860+00 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	78
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY
- ⑩ PAVEMENT MARKING - 4" YELLOW (SEE DETAIL C)
- ⑪ PAVEMENT MARKING - 4" WHITE EDGE LINE

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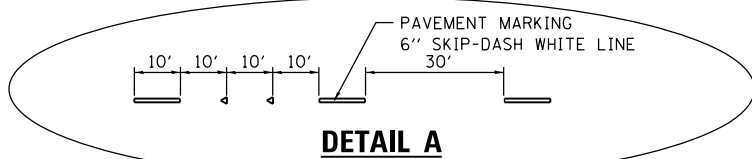
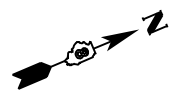
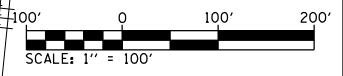


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PLOT DATE = 8/2/2019	DATE -	REVISED -

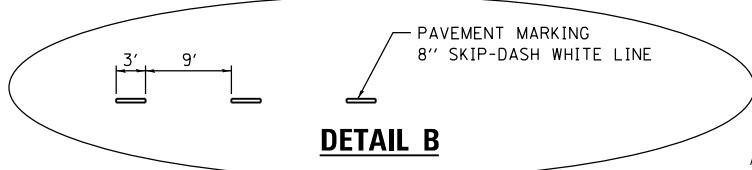
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255	
PAVEMENT MARKING AND SIGN SHEETS	
SCALE: 1" = 100'	SHEET 4 OF 9 SHEETS
STA. 888+00	TO STA. 918+00

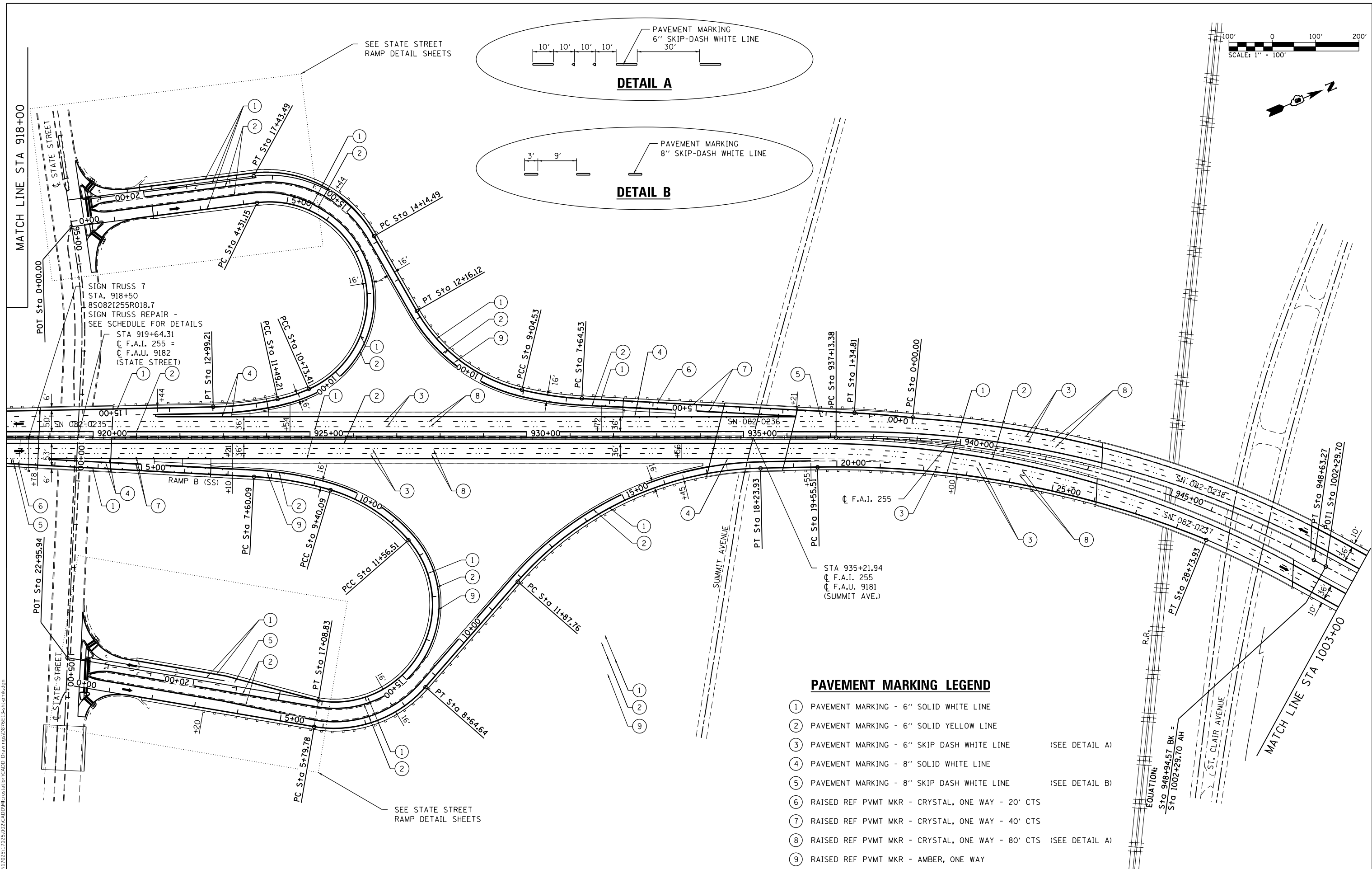
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255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	79
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



DETAIL A



DETAIL B



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

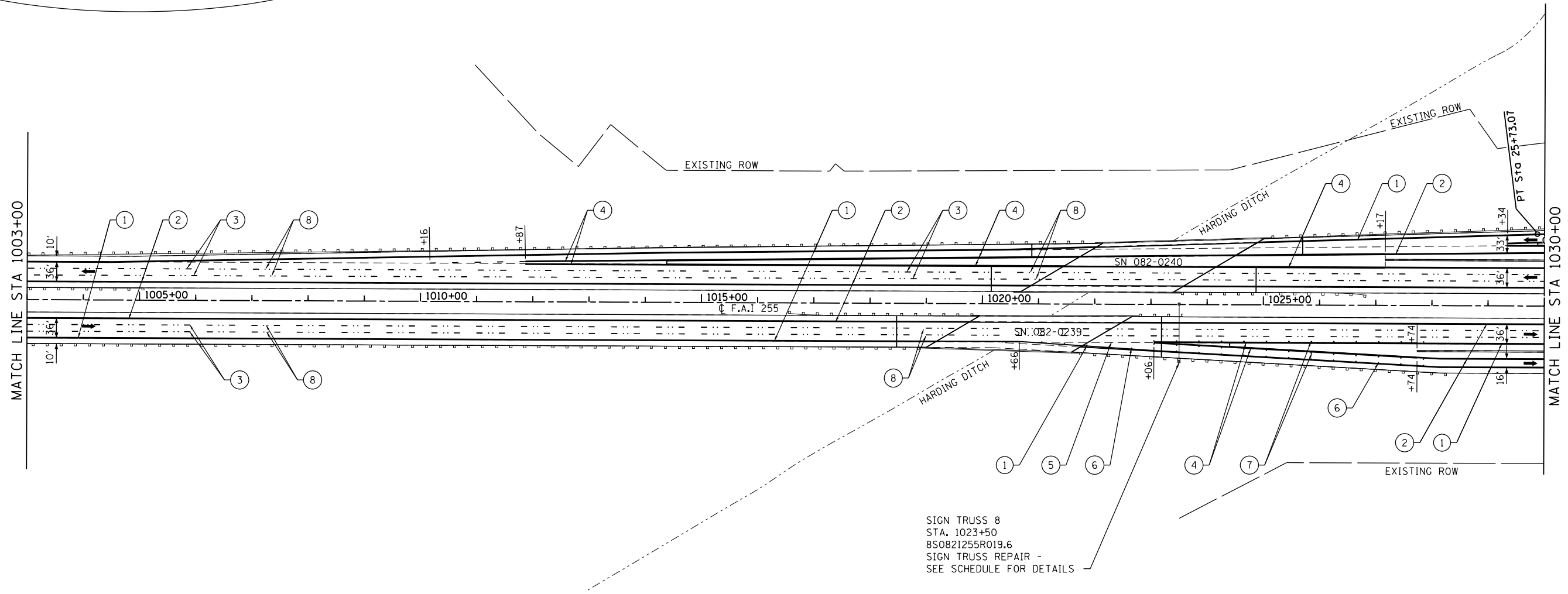
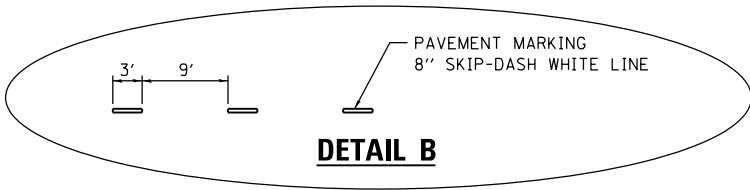
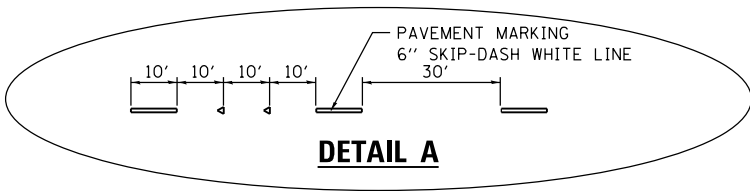
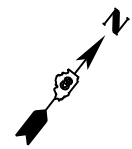
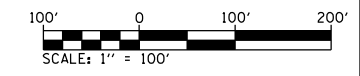


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DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 PAVEMENT MARKING AND SIGN SHEETS			
SCALE: 1" = 100'	SHEET 5	OF 9 SHEETS	STA. 918+00 TO STA. 1003+00

F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 80
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

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OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

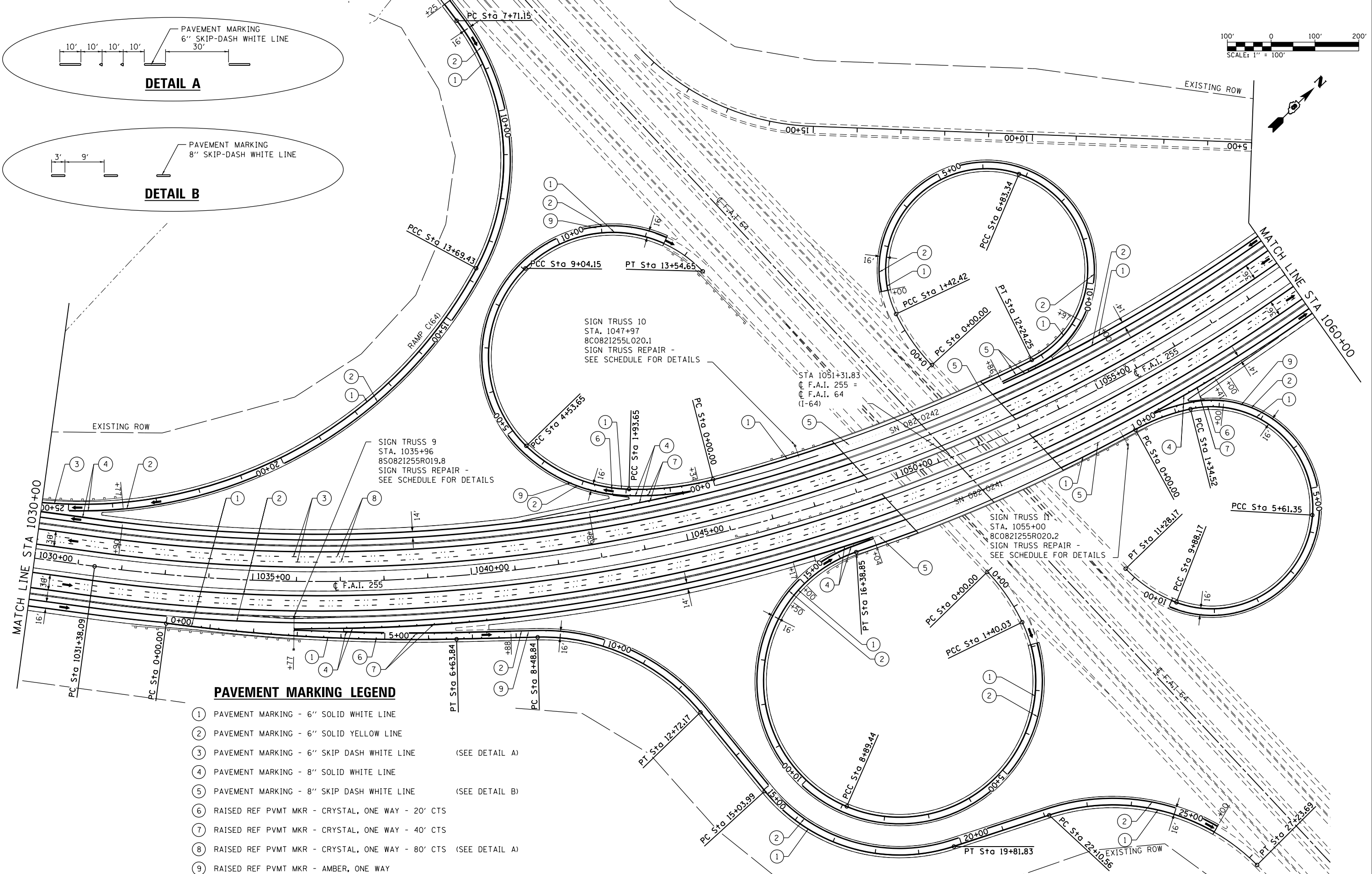
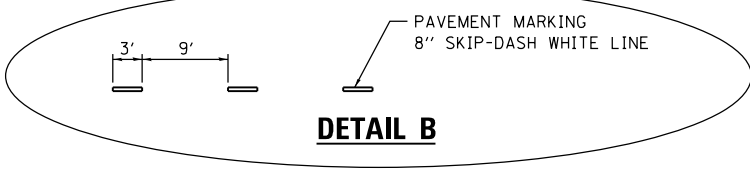
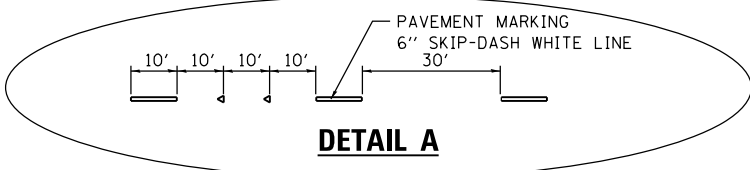
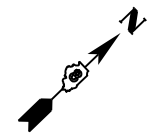
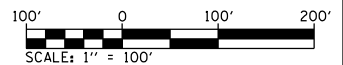
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
PAVEMENT MARKING AND SIGN SHEETS**

SCALE: 1" = 100' SHEET 6 OF 9 SHEETS STA. 1003+00 TO STA. 1030+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	81
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

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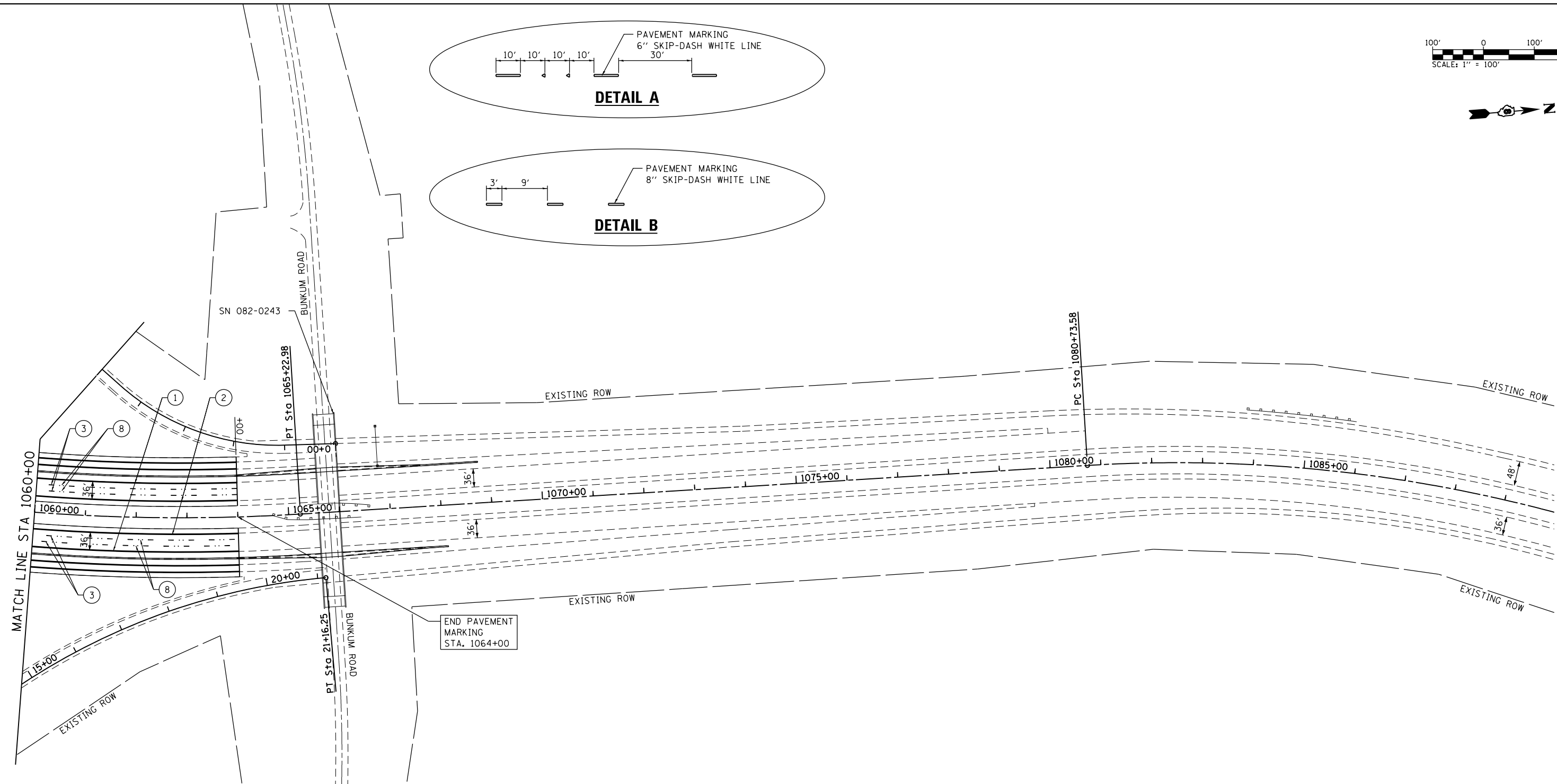
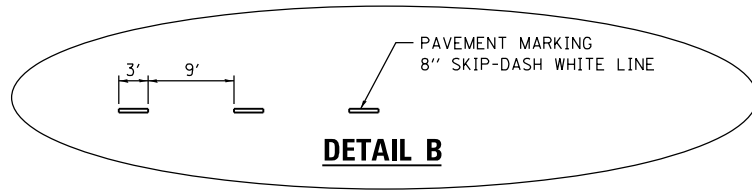
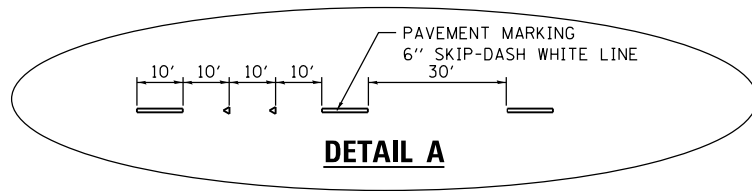
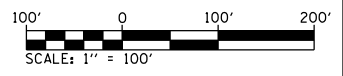


USER NAME = stephanie.jee	DESIGNED -	REVISED -
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
PAVEMENT MARKING AND SIGN SHEETS**
SCALE: 1" = 100'
SHEET 7 OF 9 SHEETS STA. 1030+00 TO STA. 1060+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	82
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING - 6" SOLID WHITE LINE
- ② PAVEMENT MARKING - 6" SOLID YELLOW LINE
- ③ PAVEMENT MARKING - 6" SKIP DASH WHITE LINE (SEE DETAIL A)
- ④ PAVEMENT MARKING - 8" SOLID WHITE LINE
- ⑤ PAVEMENT MARKING - 8" SKIP DASH WHITE LINE (SEE DETAIL B)
- ⑥ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 20' CTS
- ⑦ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 40' CTS
- ⑧ RAISED REF PVMT MKR - CRYSTAL, ONE WAY - 80' CTS (SEE DETAIL A)
- ⑨ RAISED REF PVMT MKR - AMBER, ONE WAY

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

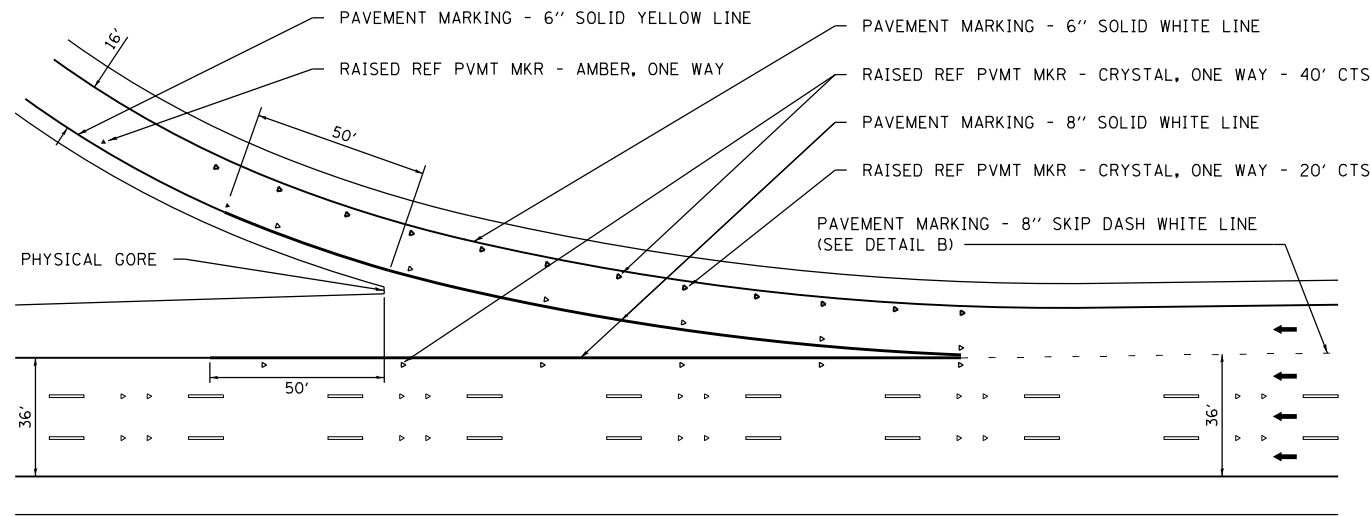


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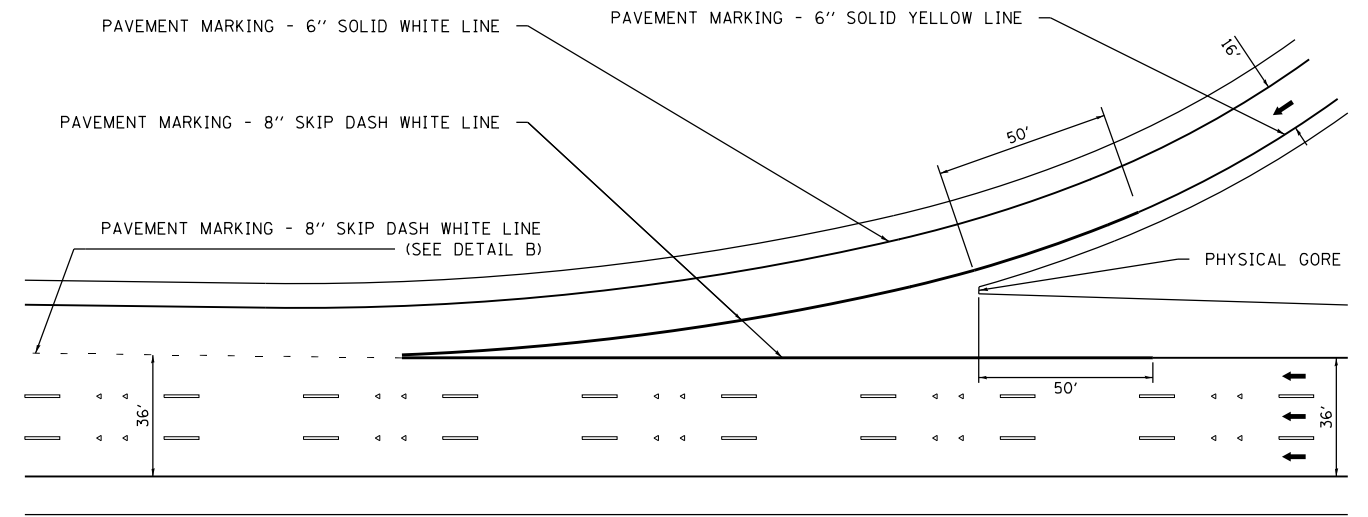
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255			
PAVEMENT MARKING AND SIGN SHEETS			
SCALE: 1" = 100'	SHEET 8	OF 9 SHEETS	STA. 1060+00 TO STA. 1090+00

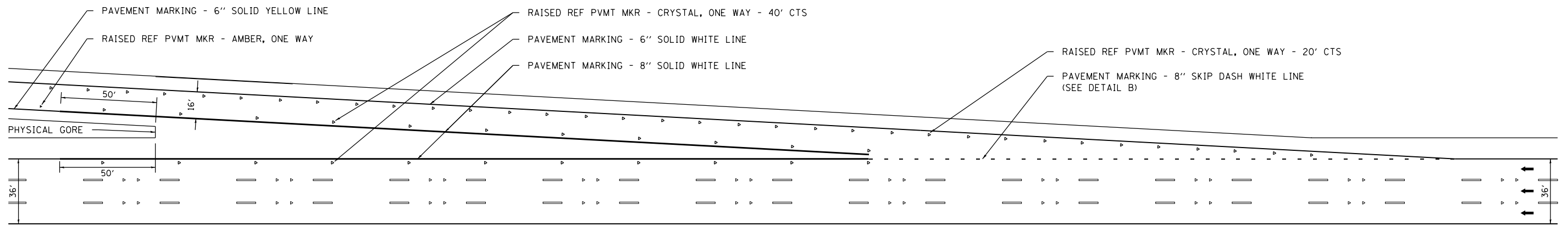
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



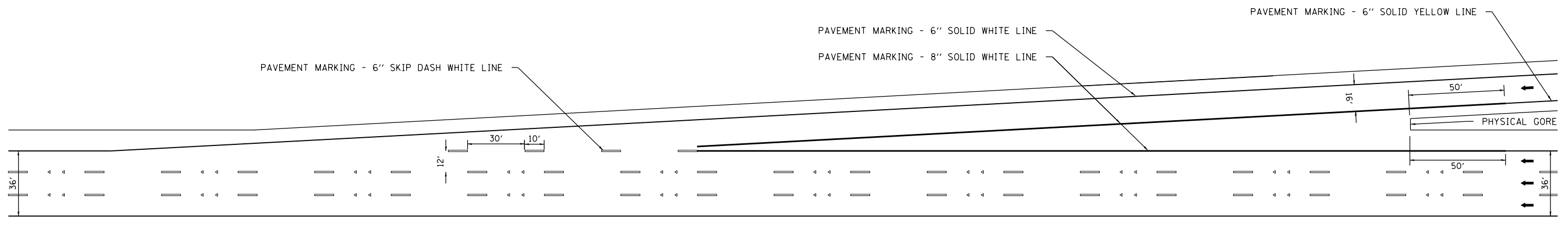
**EXIT RAMP DETAIL
WITH AUXILLARY LANE**



**ENTRANCE RAMP DETAIL
WITH AUXILLARY LANE**



**EXIT RAMP DETAIL
WITHOUT AUXILLARY LANE**



**ENTRANCE RAMP DETAIL
WITHOUT AUXILLARY LANE**

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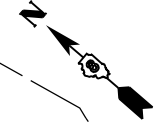
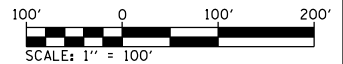


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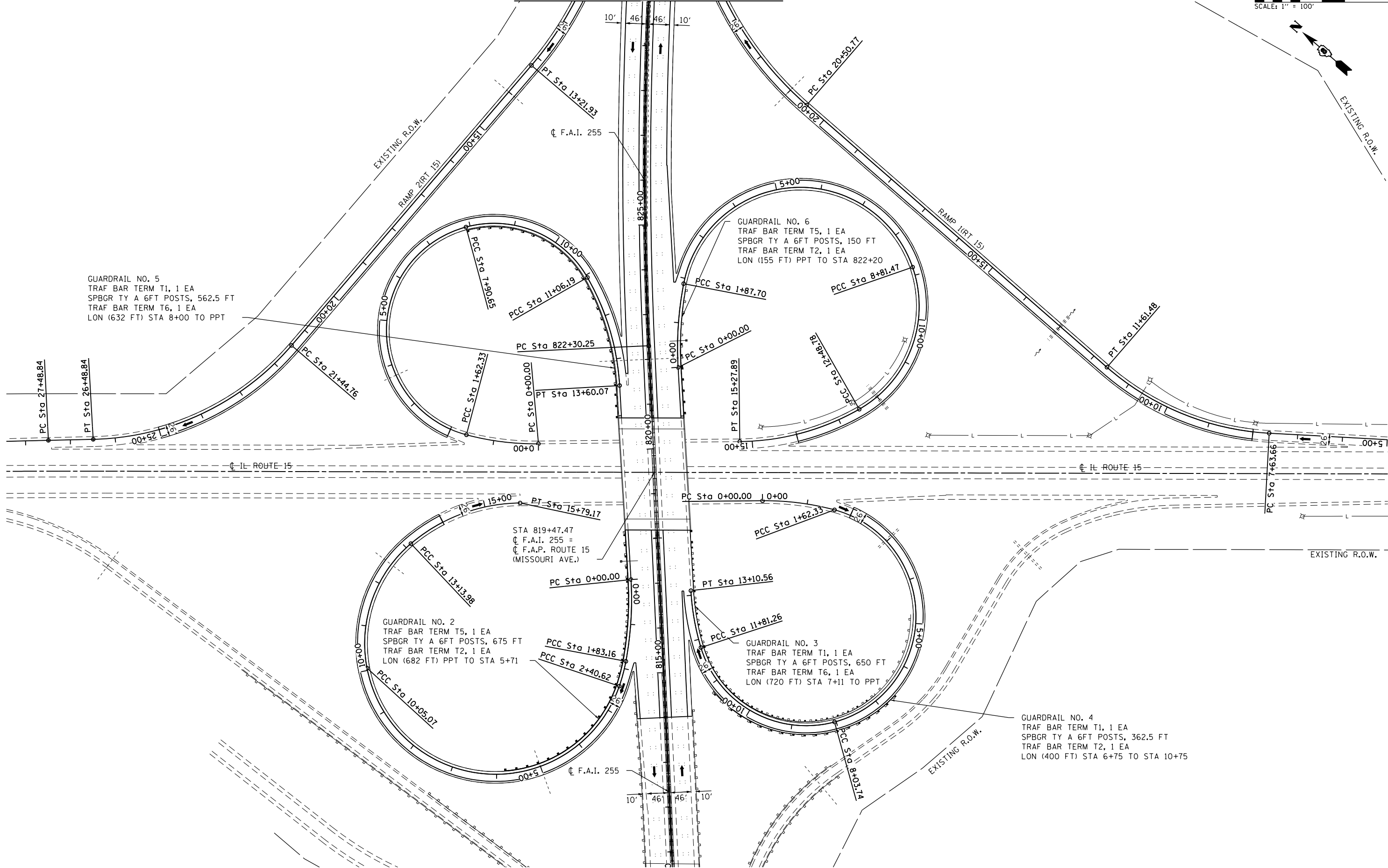
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255			
PAVEMENT MARKING AND SIGN SHEETS			
SCALE: NTS	SHEET 9	OF 9 SHEETS	STA. 1060+00 TO STA. 1090+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	84
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 830+00



GUARDRAIL NO. 5
 TRAF BAR TERM T1, 1 EA
 SPBGR TY A 6FT POSTS, 562.5 FT
 TRAF BAR TERM T6, 1 EA
 LON (632 FT) STA 8+00 TO PPT

GUARDRAIL NO. 6
 TRAF BAR TERM T5, 1 EA
 SPBGR TY A 6FT POSTS, 150 FT
 TRAF BAR TERM T2, 1 EA
 LON (155 FT) PPT TO STA 822+20

GUARDRAIL NO. 2
 TRAF BAR TERM T5, 1 EA
 SPBGR TY A 6FT POSTS, 675 FT
 TRAF BAR TERM T2, 1 EA
 LON (682 FT) PPT TO STA 5+71

GUARDRAIL NO. 3
 TRAF BAR TERM T1, 1 EA
 SPBGR TY A 6FT POSTS, 650 FT
 TRAF BAR TERM T6, 1 EA
 LON (720 FT) STA 7+11 TO PPT

GUARDRAIL NO. 4
 TRAF BAR TERM T1, 1 EA
 SPBGR TY A 6FT POSTS, 362.5 FT
 TRAF BAR TERM T2, 1 EA
 LON (400 FT) STA 6+75 TO STA 10+75

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-255
 GUARDRAIL PLANS

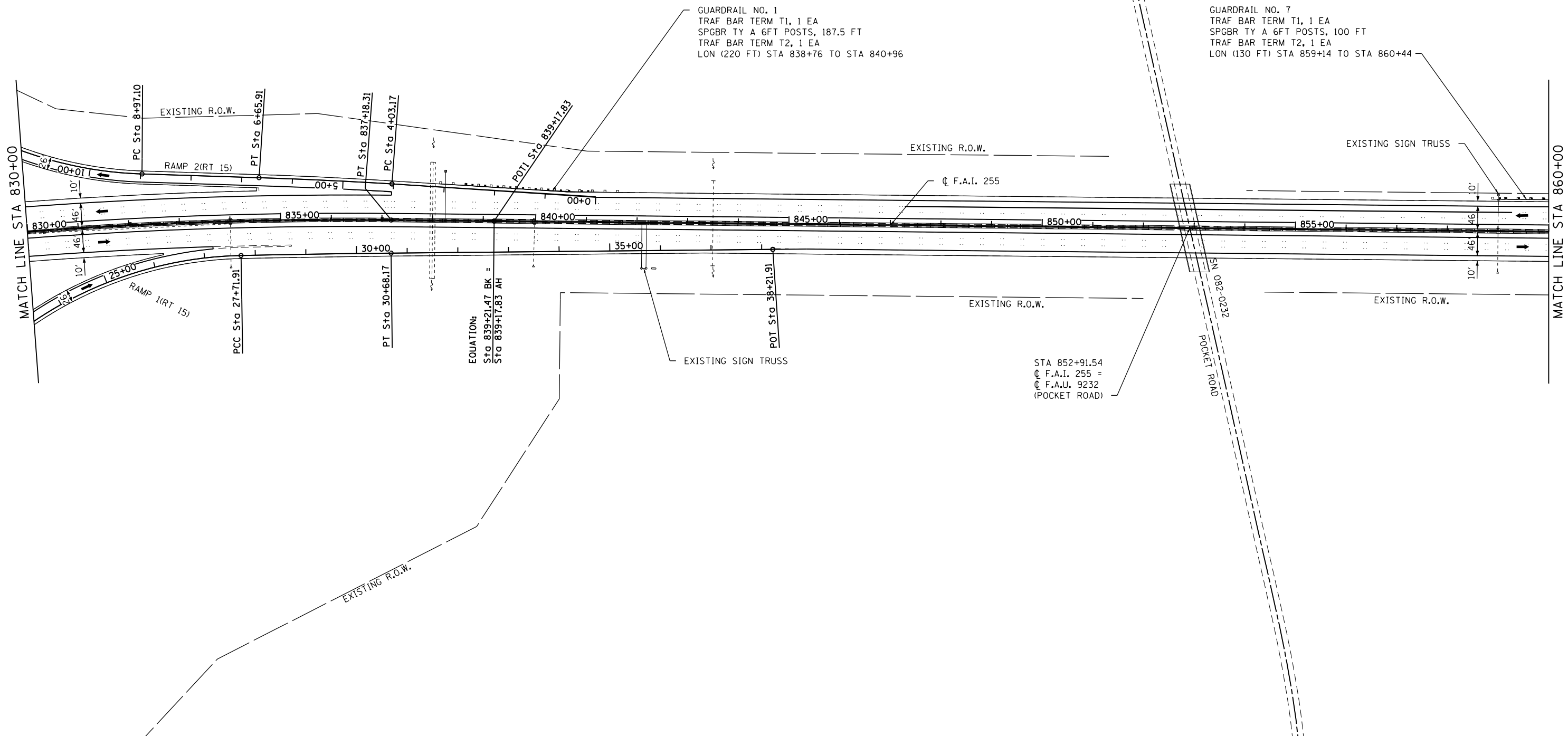
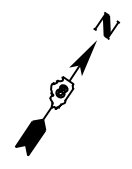
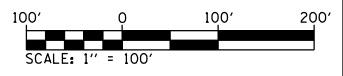


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SCALE: 1" = 100'	SHEET 1	OF 8 SHEETS	STA. 812+00	TO STA. 830+00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	85
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



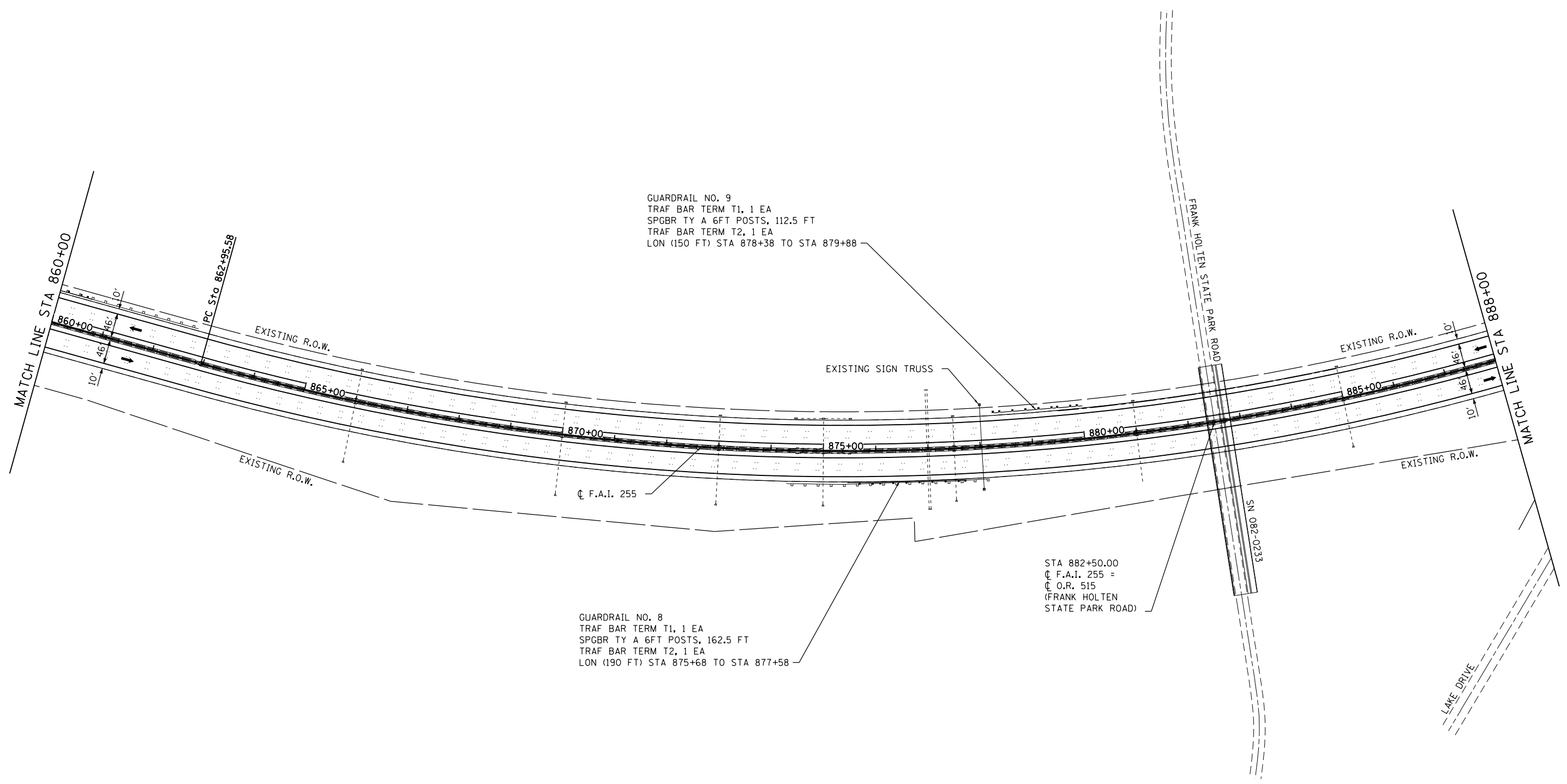
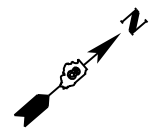
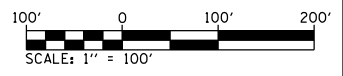
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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
GUARDRAIL PLANS

SCALE: 1" = 100' SHEET 2 OF 8 SHEETS STA. 830+00 TO STA. 860+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	86
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



GUARDRAIL NO. 9
 TRAF BAR TERM T1, 1 EA
 SPGBR TY A 6FT POSTS, 112.5 FT
 TRAF BAR TERM T2, 1 EA
 LON (150 FT) STA 878+38 TO STA 879+88

GUARDRAIL NO. 8
 TRAF BAR TERM T1, 1 EA
 SPGBR TY A 6FT POSTS, 162.5 FT
 TRAF BAR TERM T2, 1 EA
 LON (190 FT) STA 875+68 TO STA 877+58

STA 882+50.00
 F.A.I. 255 =
 O.R. 515
 (FRANK HOLTEN
 STATE PARK ROAD)

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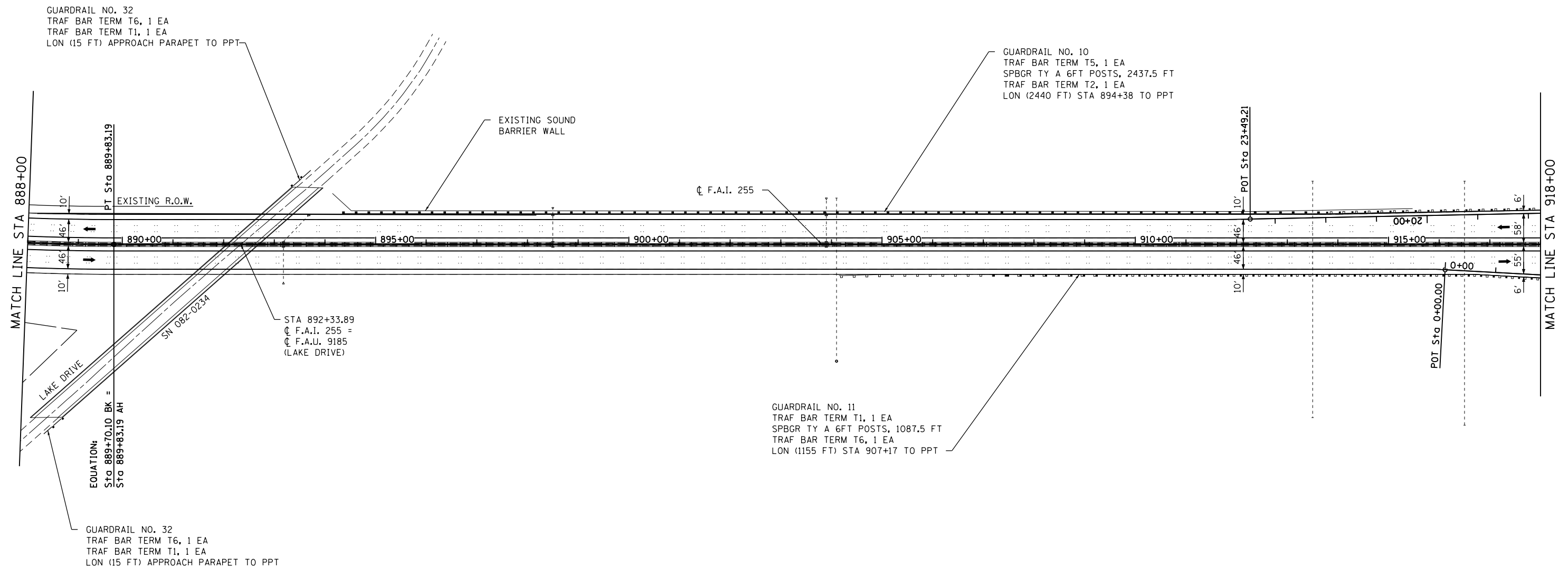
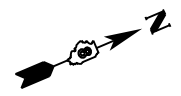
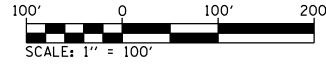


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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-255 GUARDRAIL PLANS			
SCALE: 1" = 100'	SHEET 3	OF 8 SHEETS	STA. 860+00 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	87
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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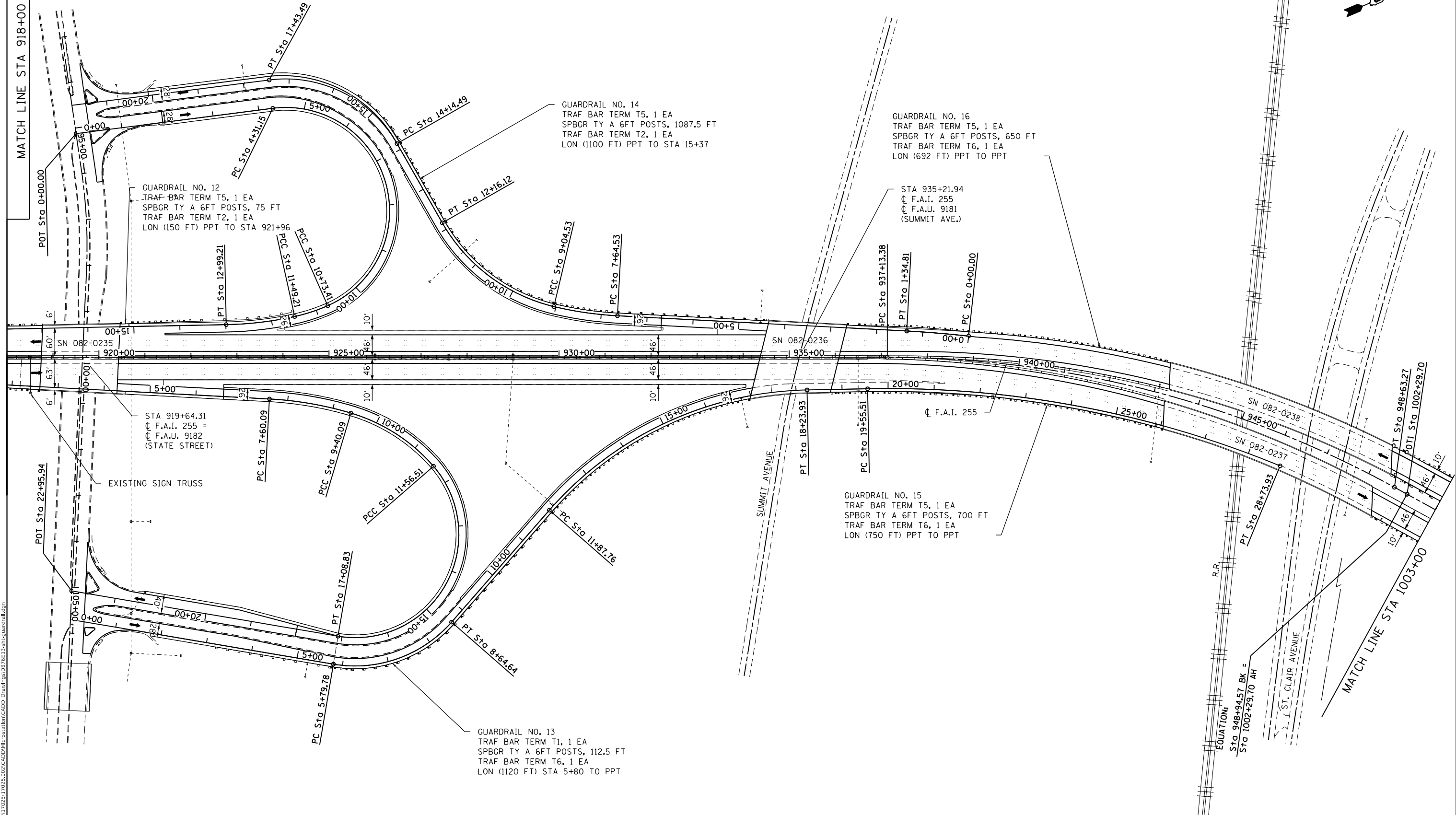
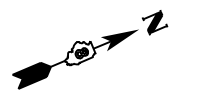
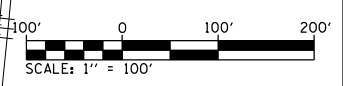


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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
GUARDRAIL PLANS			
SCALE: 1" = 100'	SHEET 4	OF 8 SHEETS	STA. 888+00 TO STA. 918+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	88
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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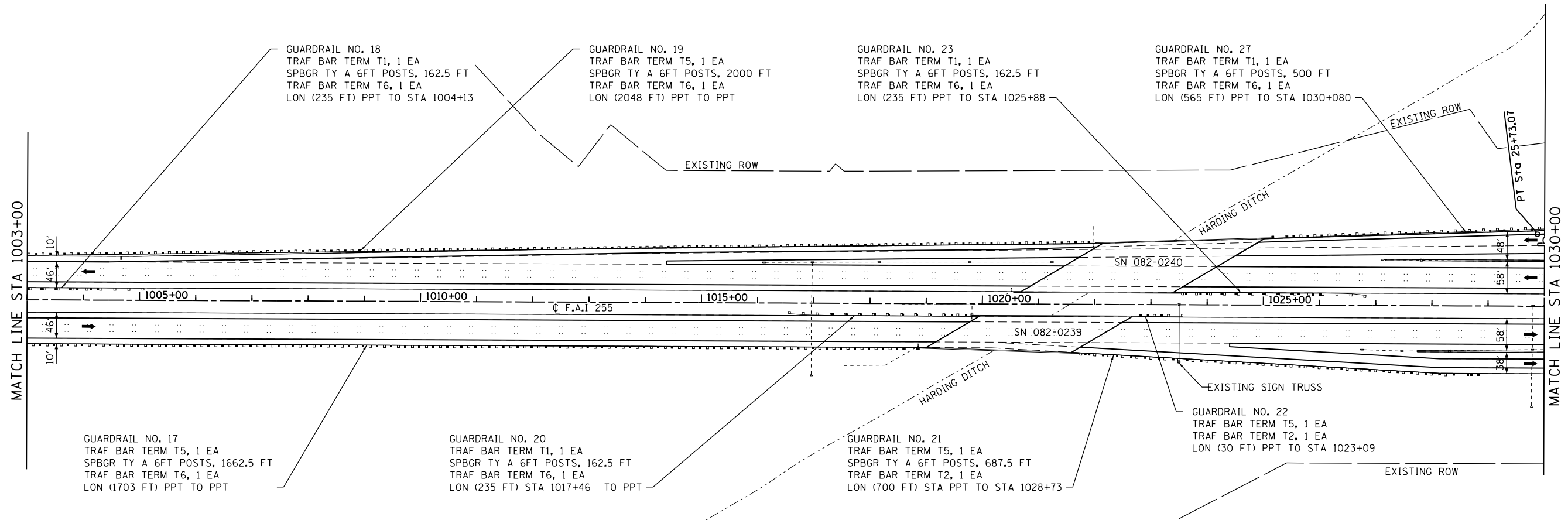
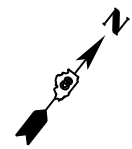
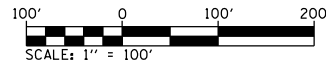


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
GUARDRAIL PLANS			
SCALE: 1" = 100'	SHEET 5	OF 8 SHEETS	STA. 918+00 TO STA. 1003+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	89
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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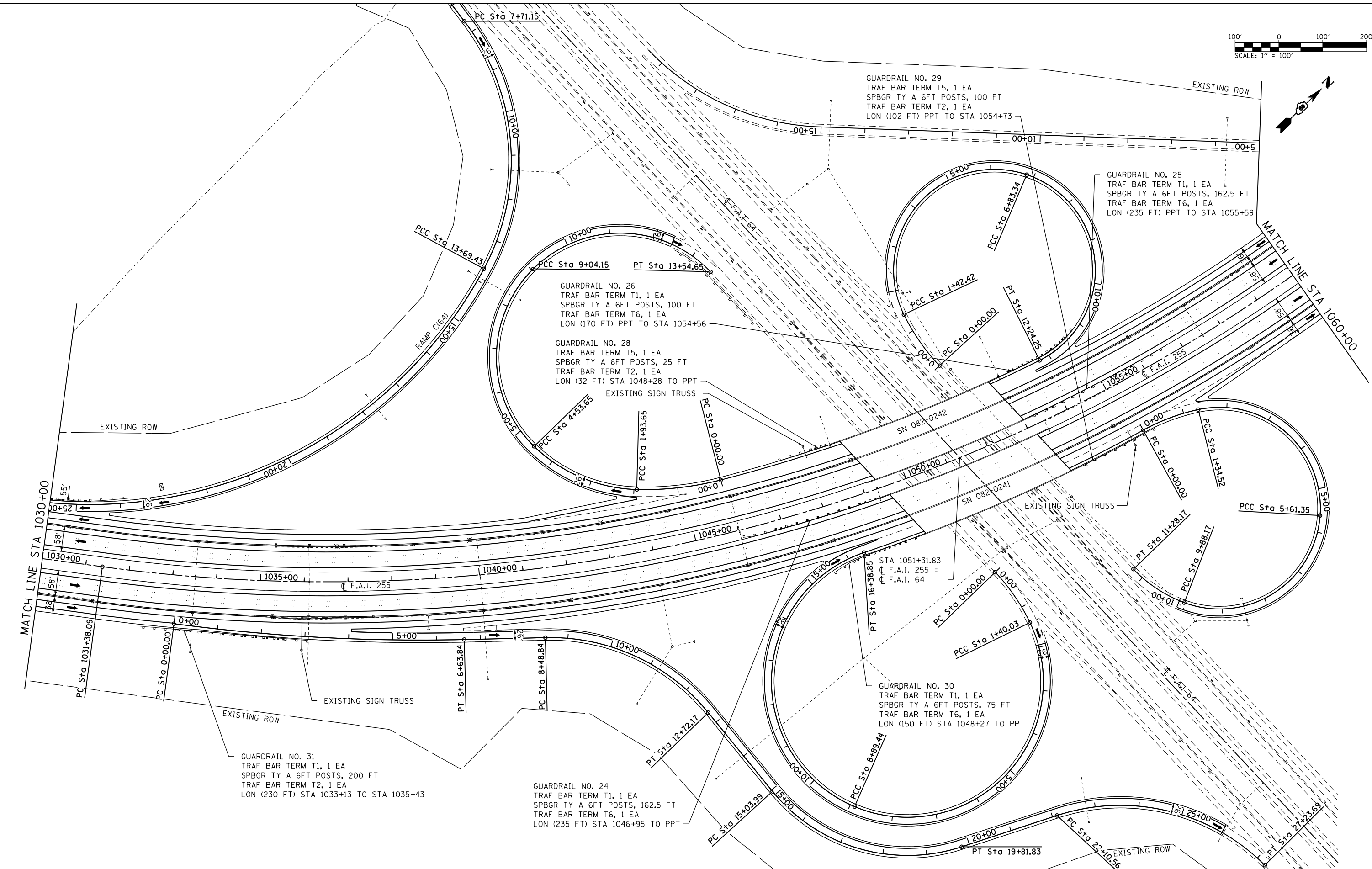
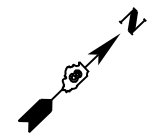
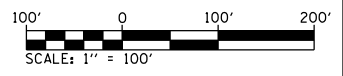


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
GUARDRAIL PLANS			
SCALE: 1" = 100'	SHEET 6	OF 8 SHEETS	STA. 1003+00 TO STA. 1030+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	90
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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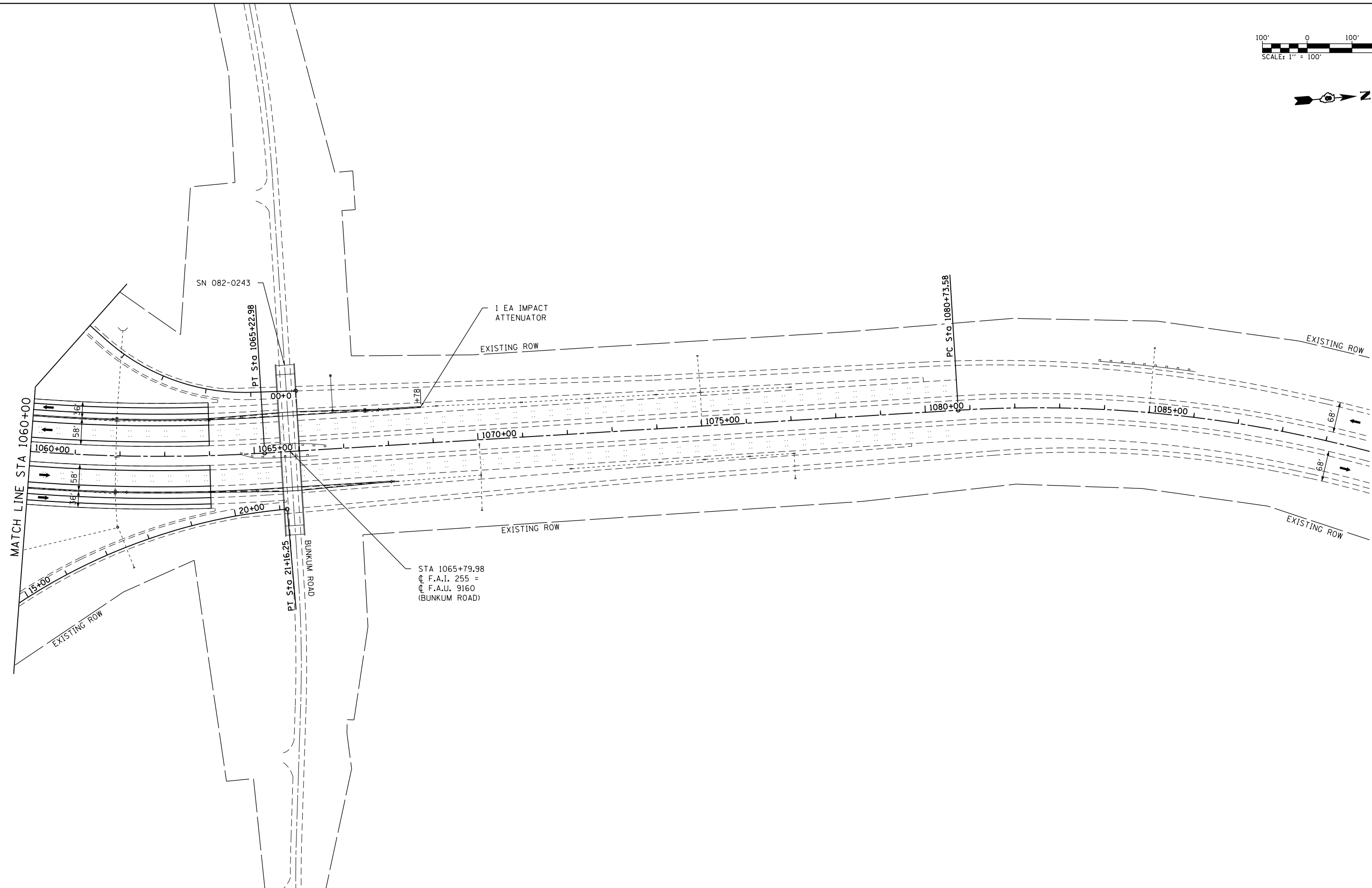
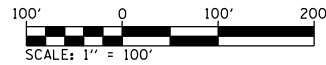


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255	
GUARDRAIL PLANS	
SCALE: 1" = 100'	SHEET 7 OF 8 SHEETS
STA. 1030+00 TO STA. 1060+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	91
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



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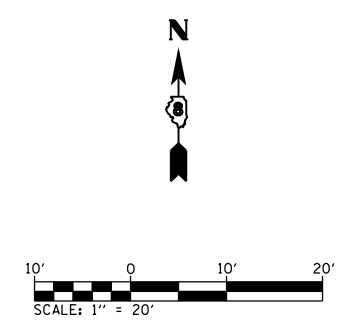
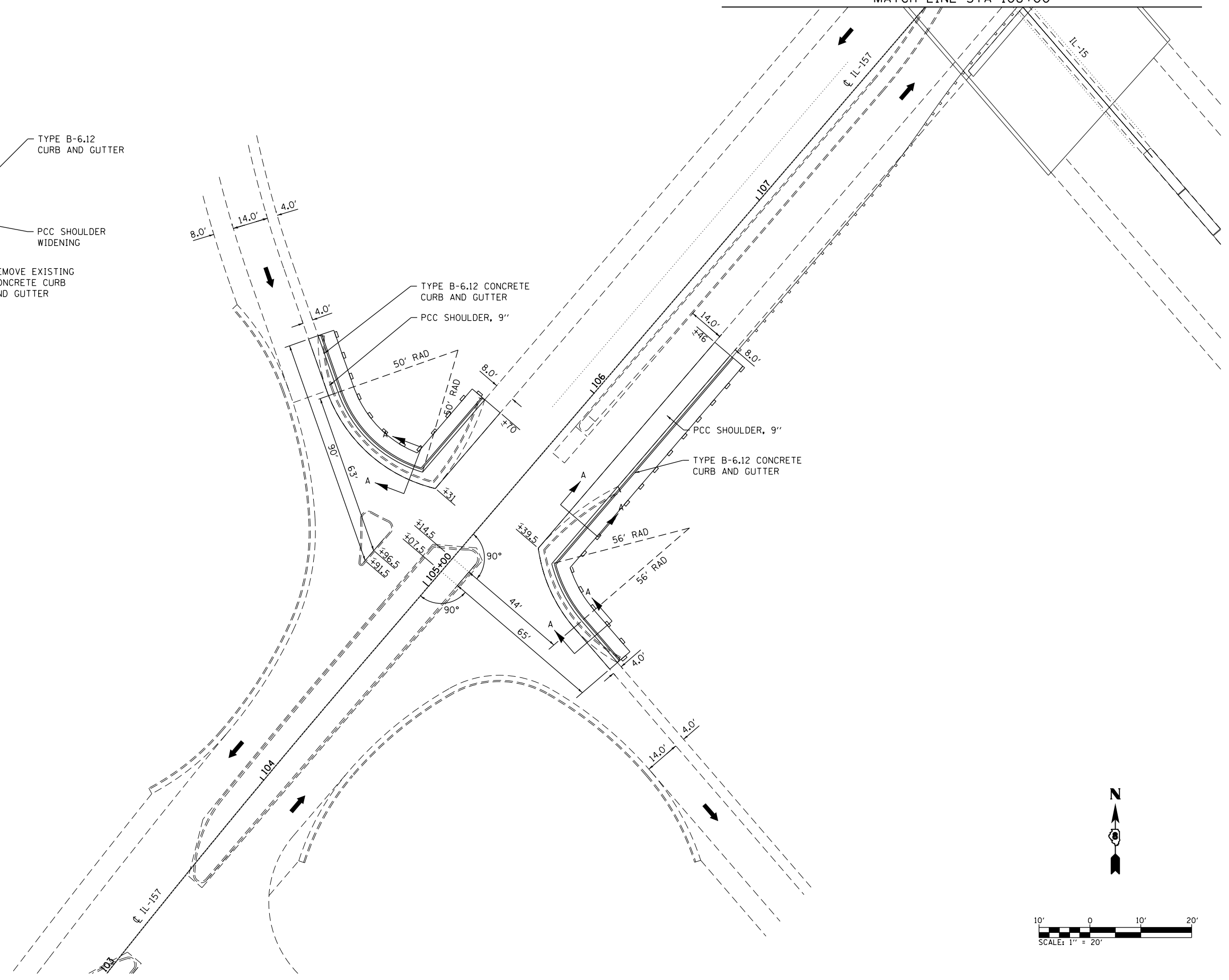
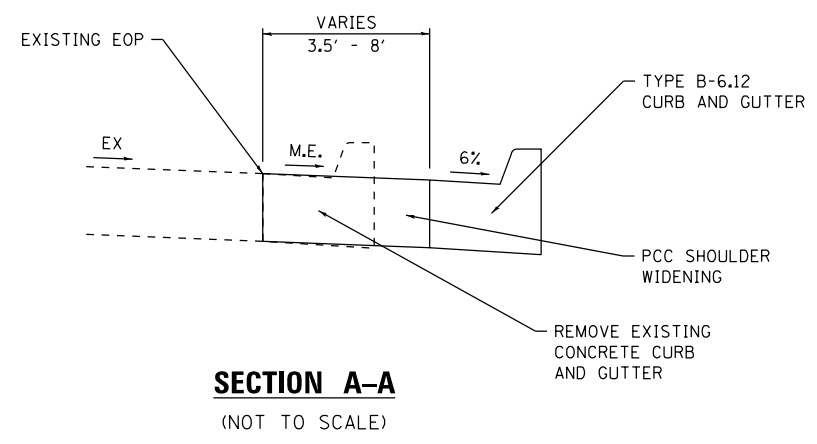
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255			
GUARDRAIL PLANS			
SCALE: 1" = 100'	SHEET 8	OF 8 SHEETS	STA. 1060+00 TO STA. 1090+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	92
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 108+00



MODEL: R:_Sheet (South Ramps)
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	DATE -	REVISED -

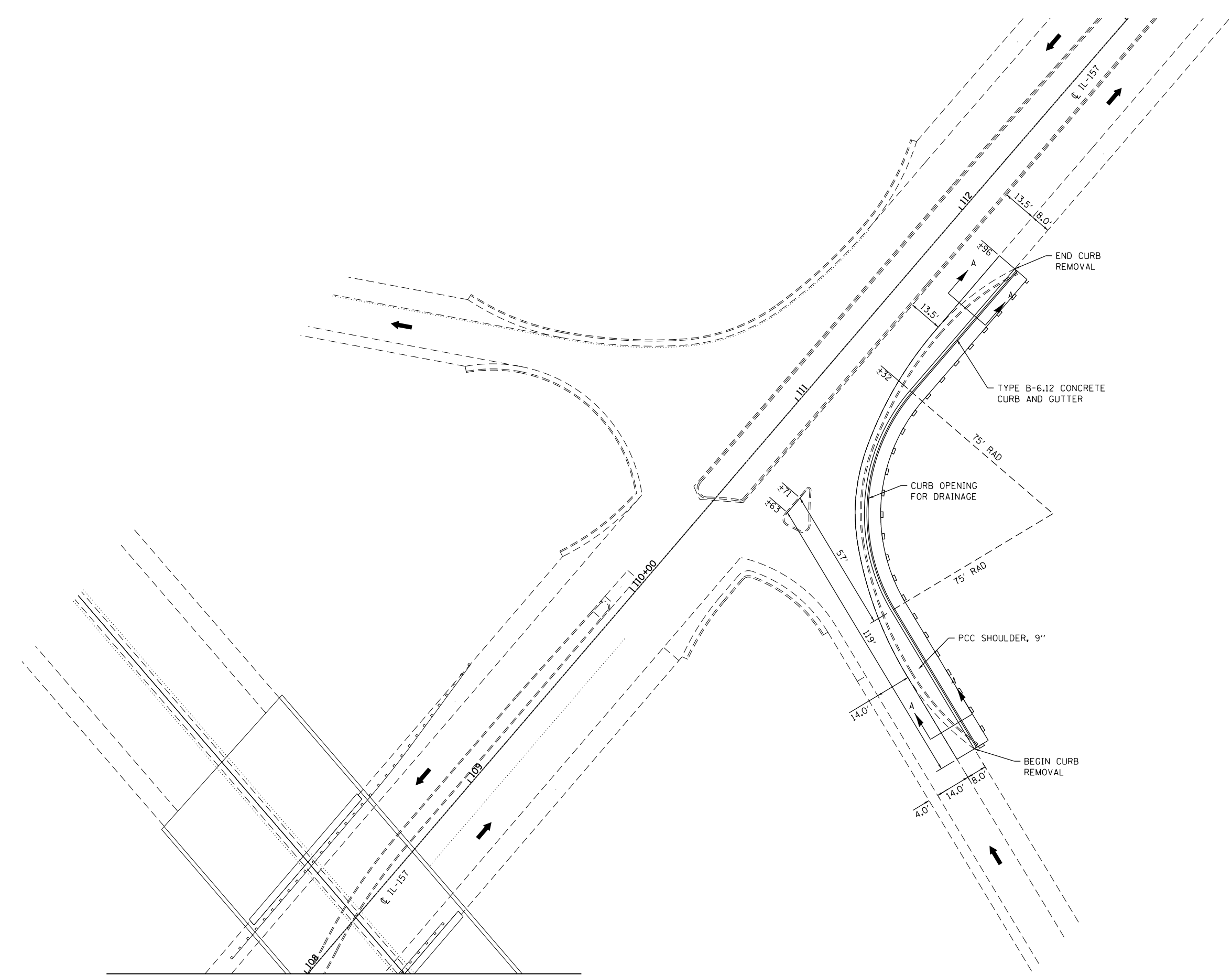
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
IL-15 & IL-157 DETAIL SHEET (SOUTH RAMPS)

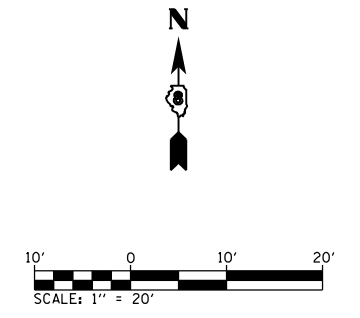
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	93
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Rte_Cheat_North_Ramps.dwg
 FILE NAME: I:\1702\211702\5\02\CADD\Microstation\CADD_Drawing\0876E13-2b-04-detaile-156-157.dgn



MATCH LINE STA 108+00

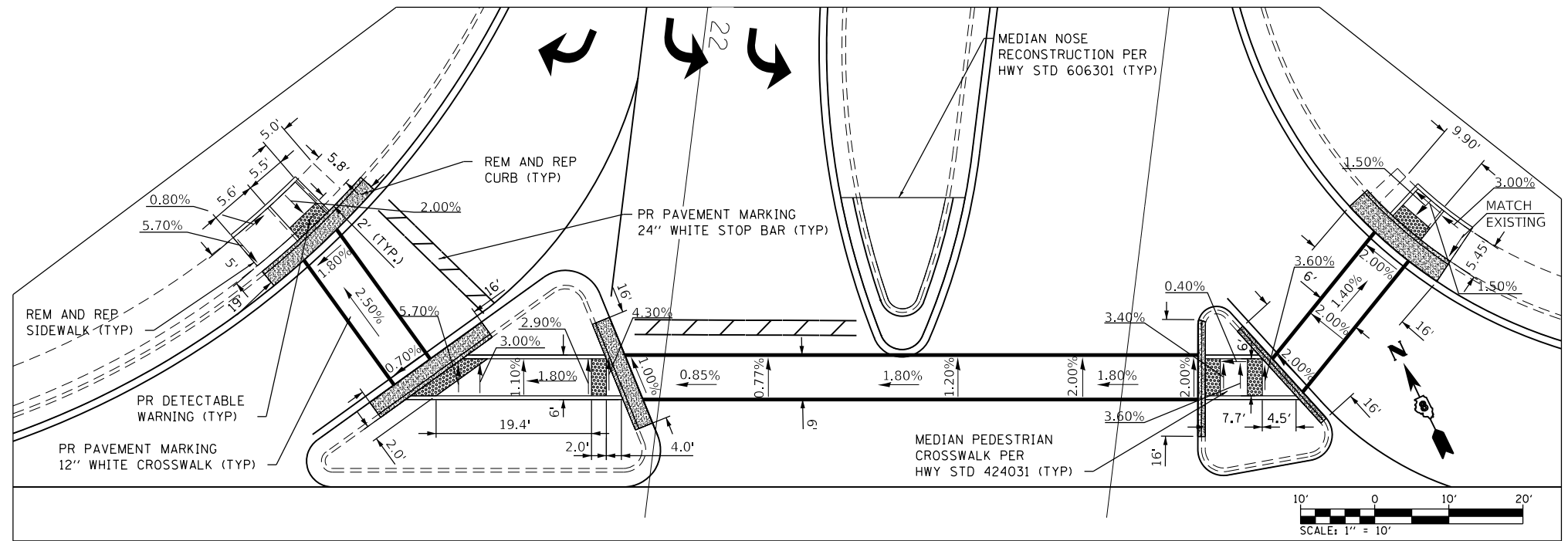


USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

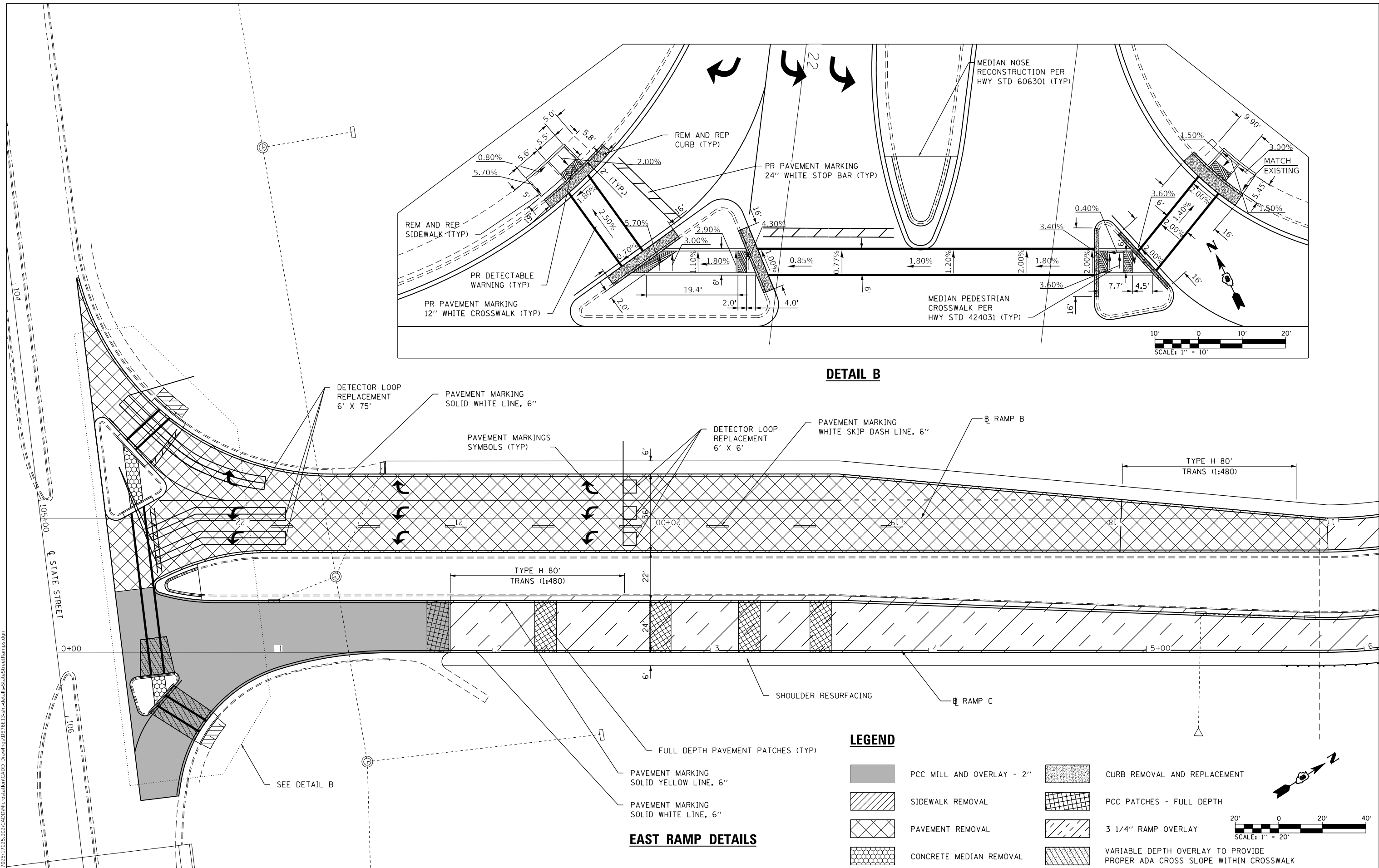
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-255
 IL-15 & IL-157 DETAIL SHEET (NORTH RAMPS)**
 SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2) RS	ST. CLAIR	280	94
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



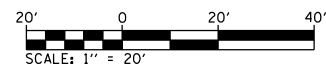
DETAIL B



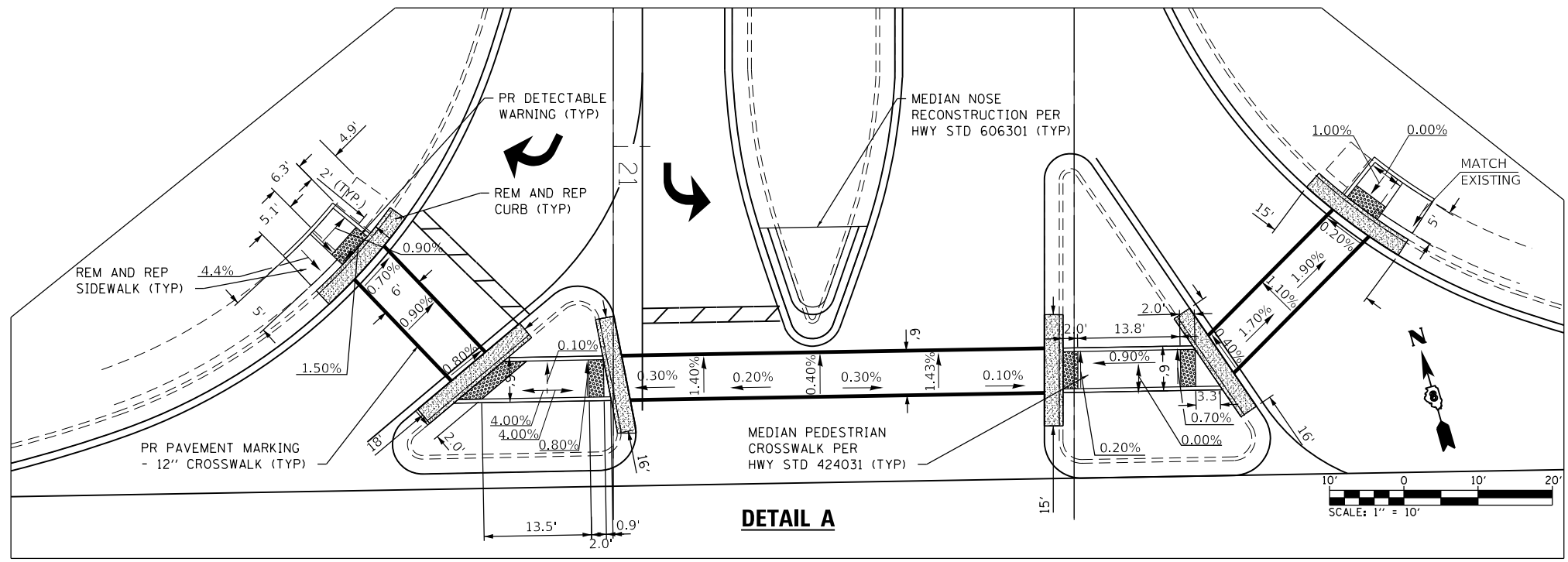
EAST RAMP DETAILS

LEGEND

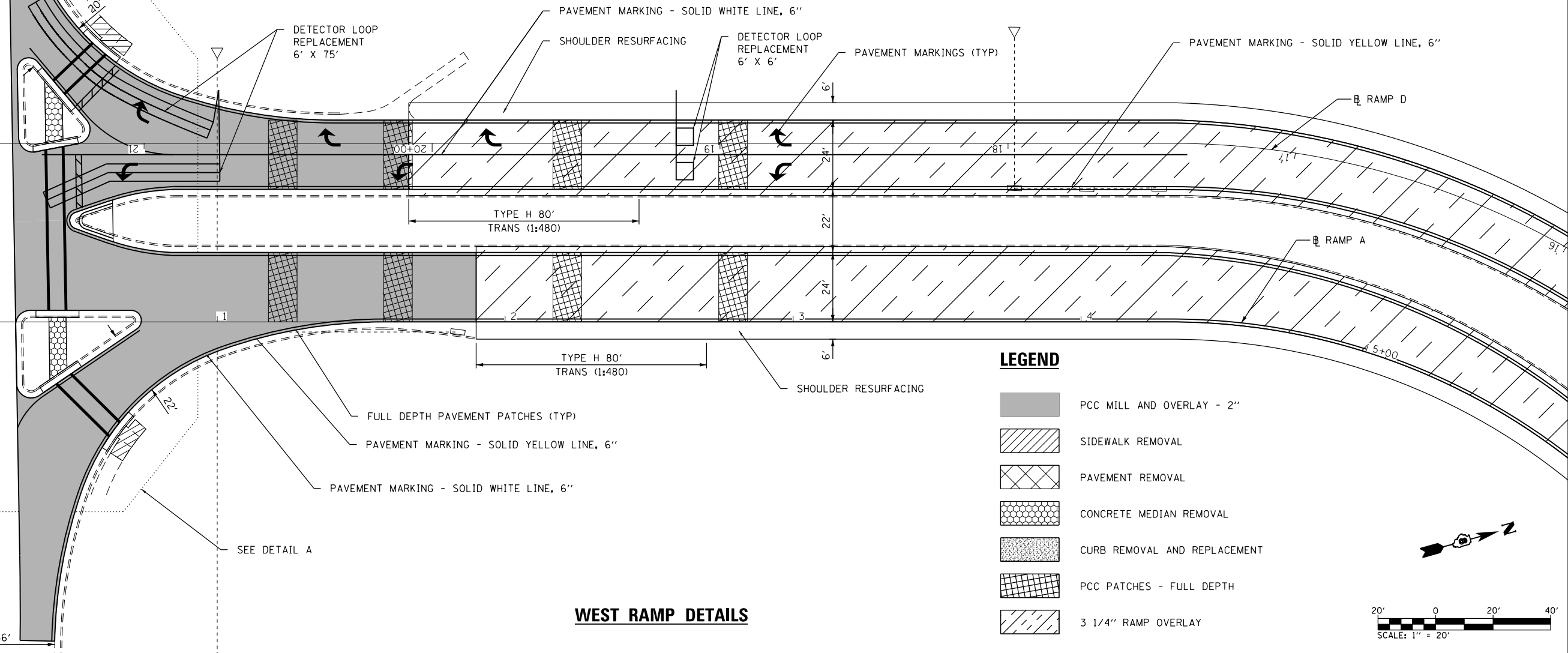
- PCC MILL AND OVERLAY - 2"
- CURB REMOVAL AND REPLACEMENT
- SIDEWALK REMOVAL
- PCC PATCHES - FULL DEPTH
- PAVEMENT REMOVAL
- 3 1/4" RAMP OVERLAY
- CONCRETE MEDIAN REMOVAL
- VARIABLE DEPTH OVERLAY TO PROVIDE PROPER ADA CROSS SLOPE WITHIN CROSSWALK



USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -



DETAIL A



WEST RAMP DETAILS

LEGEND

- PCC MILL AND OVERLAY - 2"
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- CURB REMOVAL AND REPLACEMENT
- PCC PATCHES - FULL DEPTH
- 3 1/4" RAMP OVERLAY



MODEL: West Ramps
 FILE NAME: 11170231170231170231002CADDDMicroStationCADD_Drawing10876E13-2ht-detail1-StatesStreetRamps.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

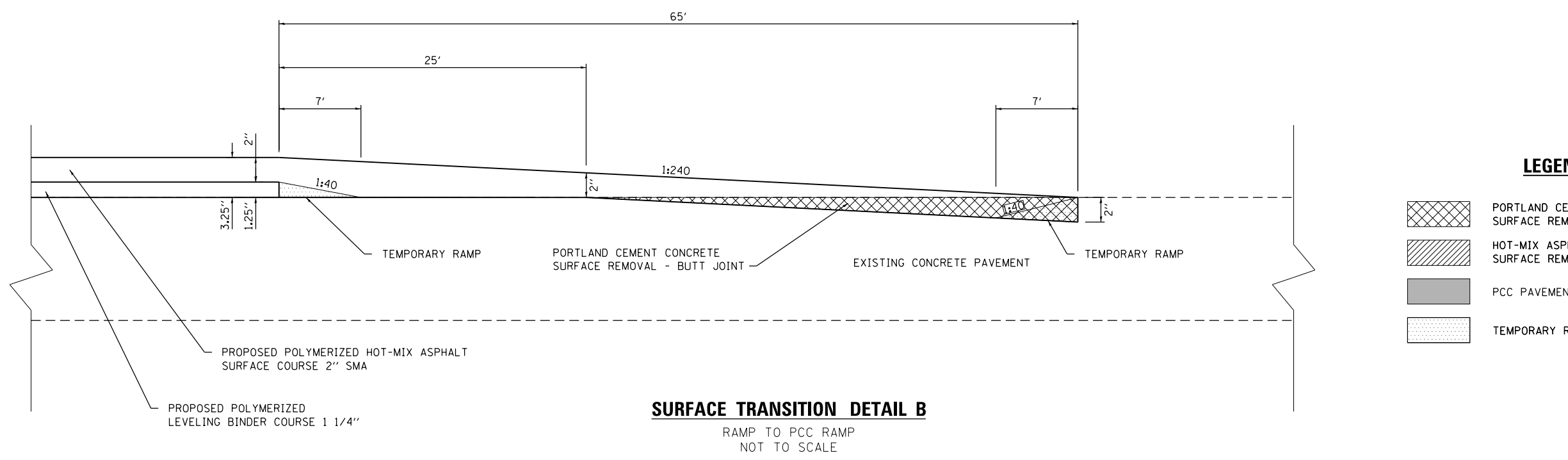
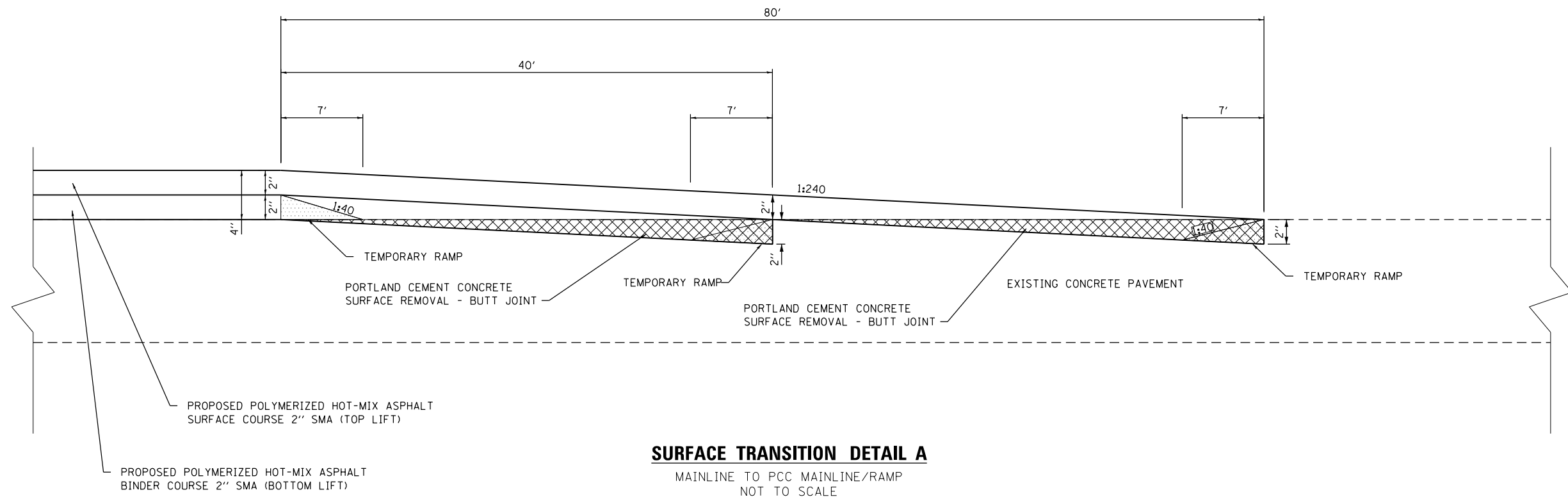


USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
STATE STREET RAMP DETAILS
 SCALE: VARIES SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	96
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PCC PAVEMENT RECONSTRUCTION
	TEMPORARY RAMP

MODEL: Default
 FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD Drawings\17025\17025-002-01-Transition-Transition.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



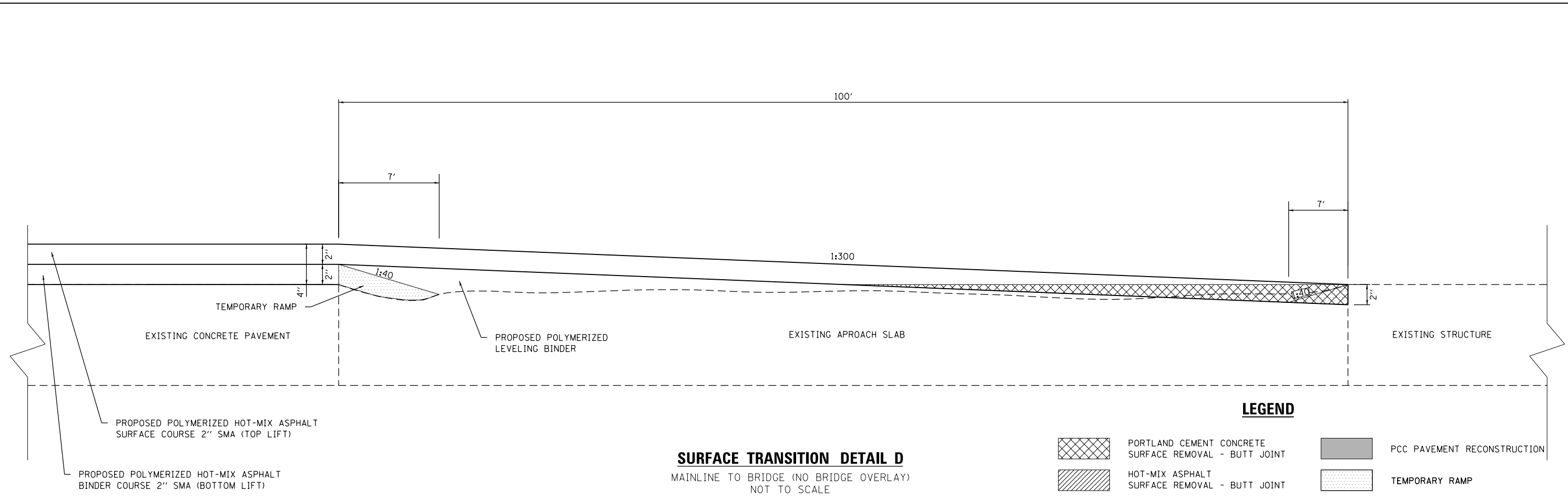
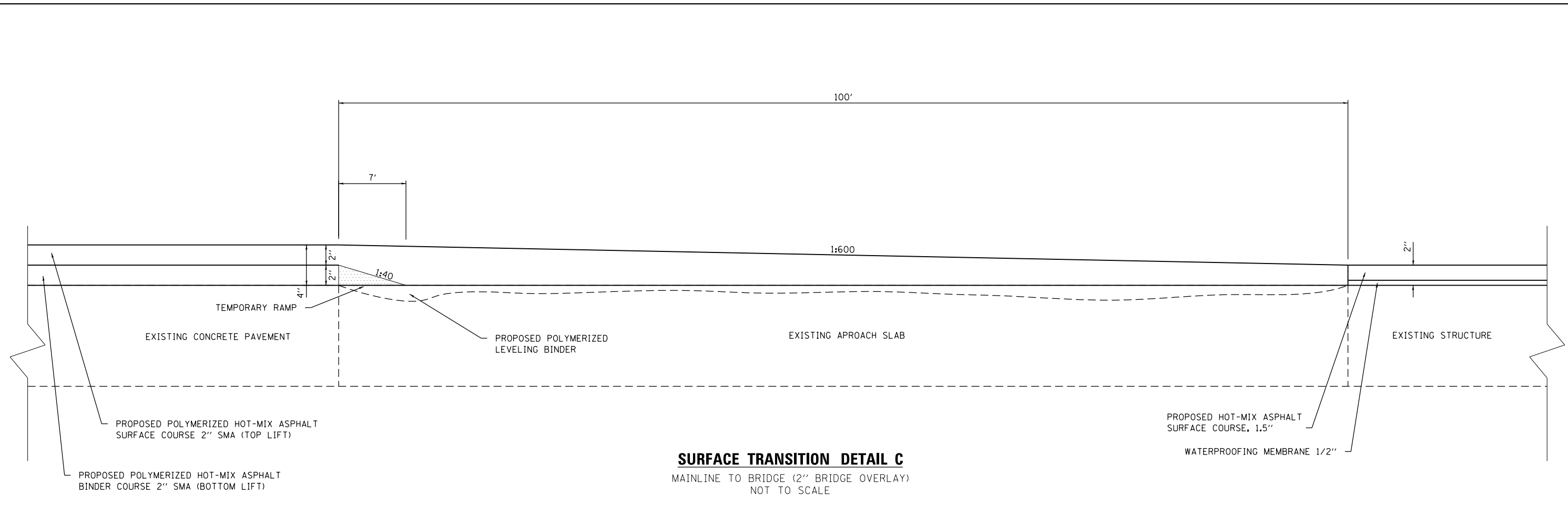
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
OVERLAY TRANSITION DETAILS

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	97
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT		PCC PAVEMENT RECONSTRUCTION
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		TEMPORARY RAMP

MODEL: Default
 FILE NAME: I:\170251\170251\002\CADD\Microstation\CADD_Drawing\02\0876E13-sht-detailC-Transition.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



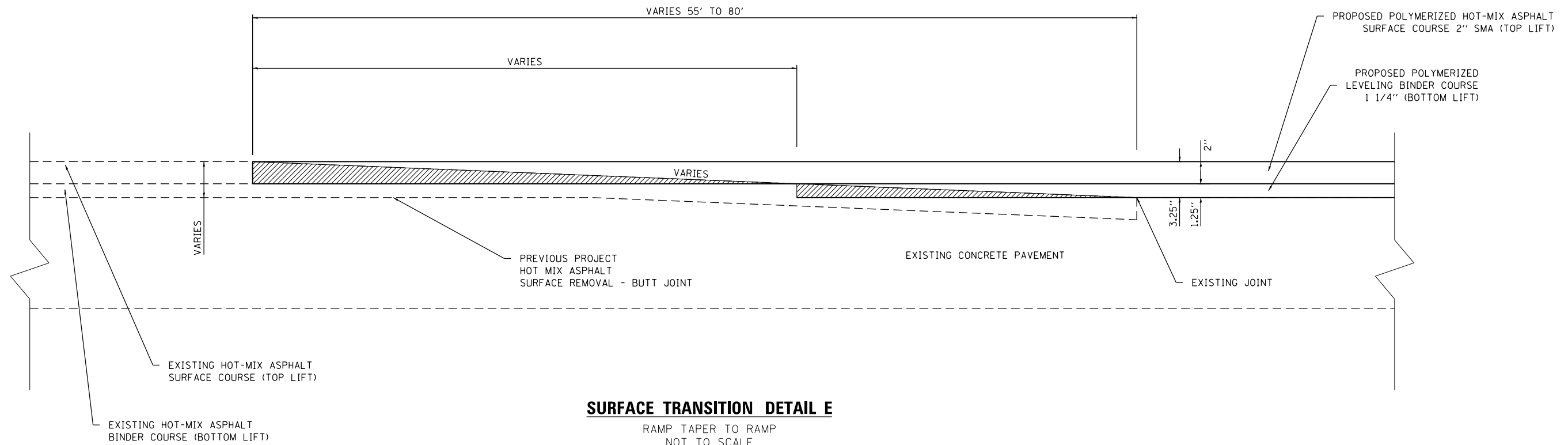
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
OVERLAY TRANSITION DETAILS

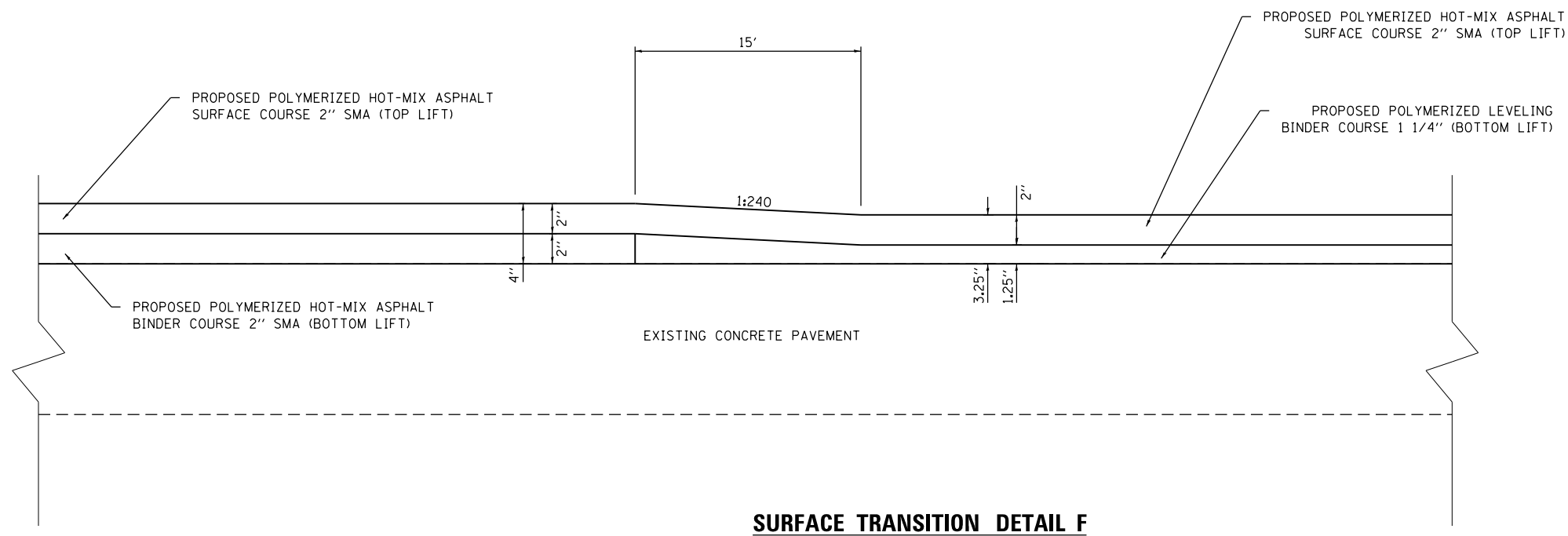
SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	98
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SURFACE TRANSITION DETAIL E

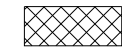


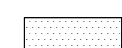
RAMP TAPER TO RAMP
NOT TO SCALE



SURFACE TRANSITION DETAIL F

MAINLINE TO RAMP
NOT TO SCALE

LEGEND

-  PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  PCC PAVEMENT RECONSTRUCTION
-  TEMPORARY RAMP

MODEL: Default; FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD_Drawing\17025_002_sht-detailE-Transition.dgn

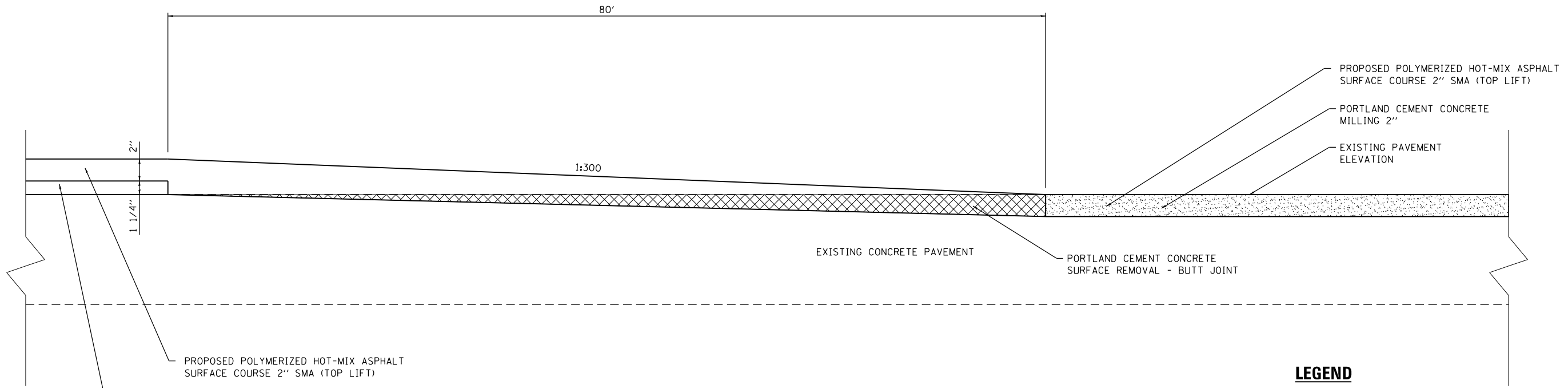
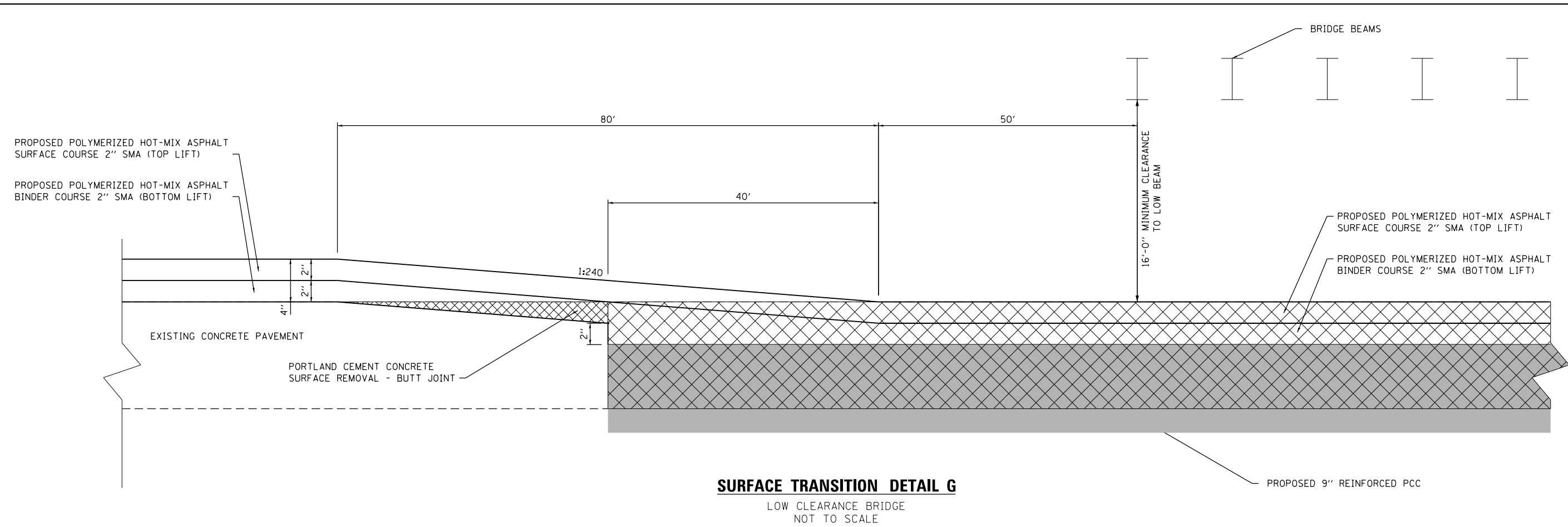


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 OVERLAY TRANSITION DETAILS			
SCALE:	SHEET 3	OF 6 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	99
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND

- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PCC PAVEMENT RECONSTRUCTION
- TEMPORARY RAMP
- PAVEMENT REMOVAL

MODEL: Default; FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD_Drawing\17025.002-13-24-2019-Transition.dgn

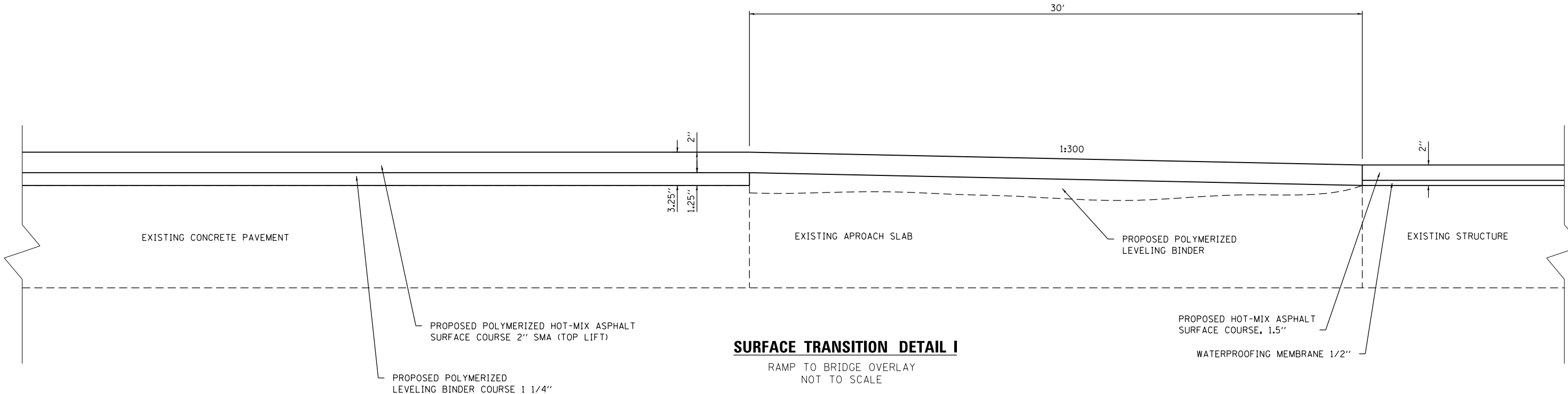


USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 OVERLAY TRANSITION DETAILS			
SCALE:	SHEET 4	OF 6 SHEETS	STA. TO STA.

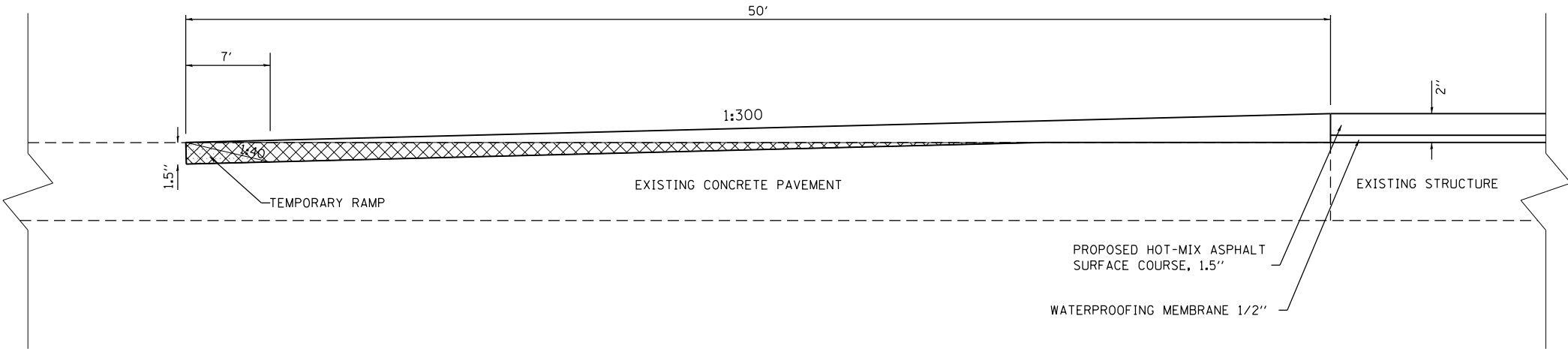
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	100
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SURFACE TRANSITION DETAIL I
RAMP TO BRIDGE OVERLAY
NOT TO SCALE

LEGEND

- PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PCC PAVEMENT RECONSTRUCTION
- TEMPORARY RAMP
- PORTLAND CEMENT CONCRETE MILLING



SURFACE TRANSITION DETAIL J
LAKE DRIVE
NOT TO SCALE

MODEL: Default; FILE NAME: I:\17025\17025.002\CADD\Microstation\CADD_Drawing\17025-002-3b-detailI-Transition.dgn

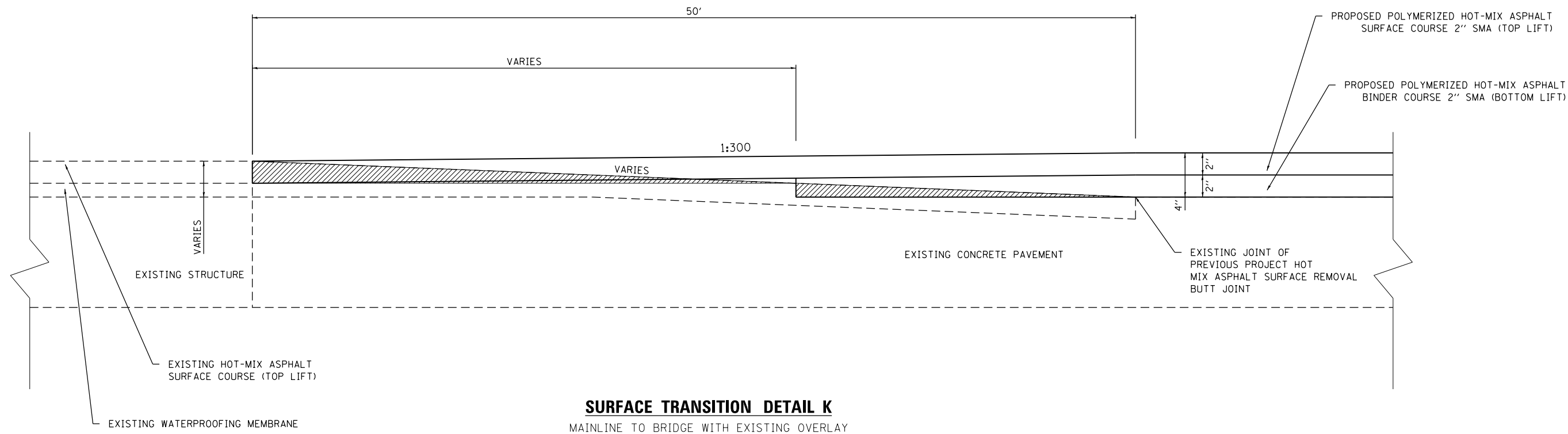


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PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






I-255			
OVERLAY TRANSITION DETAILS			
SCALE:	SHEET 5	OF 6 SHEETS	STA. TO STA.

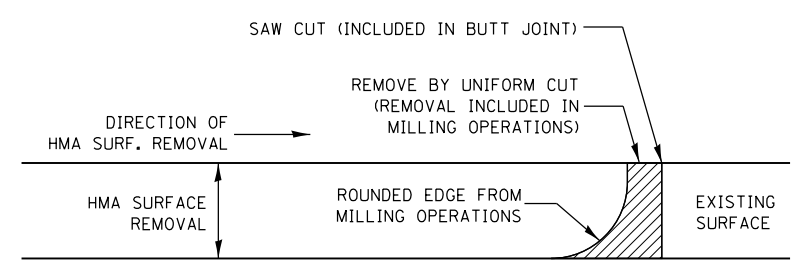
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	101
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SURFACE TRANSITION DETAIL K
 MAINLINE TO BRIDGE WITH EXISTING OVERLAY
 NOT TO SCALE

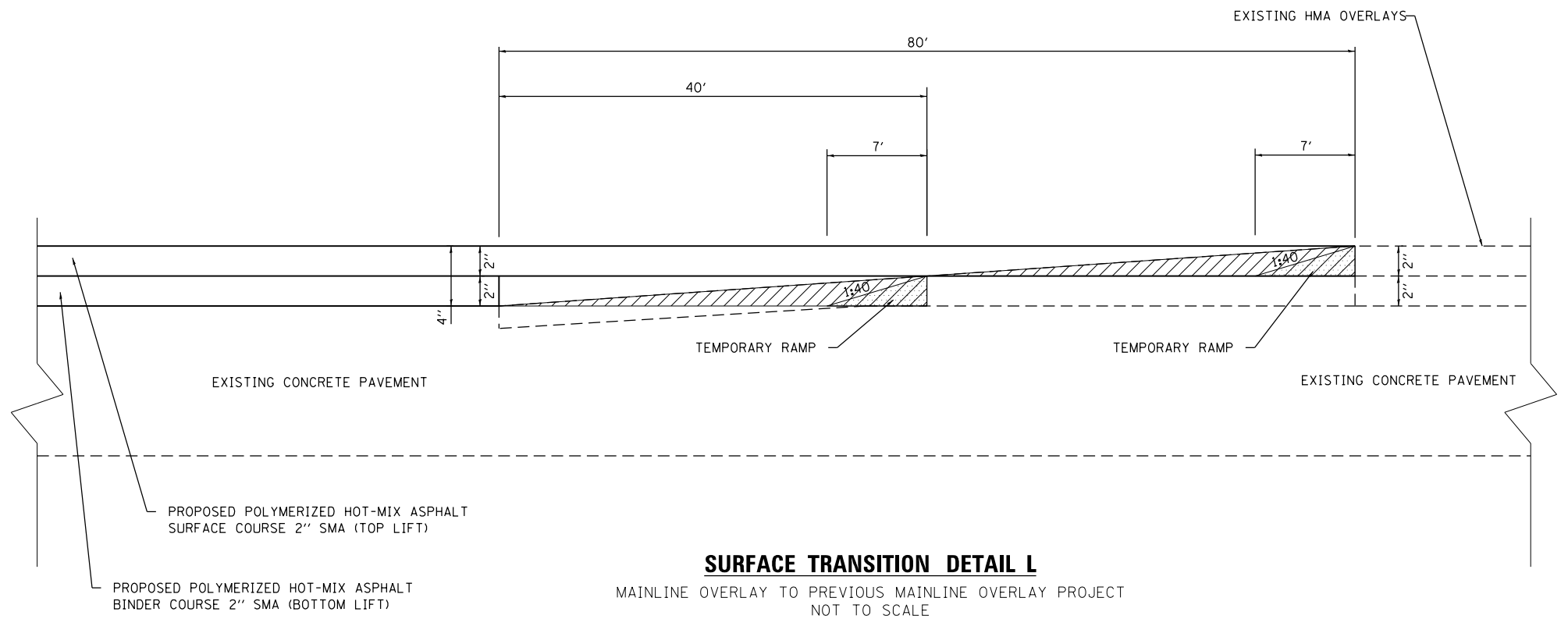
LEGEND

-  PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  PCC PAVEMENT RECONSTRUCTION
-  TEMPORARY RAMP
-  PORTLAND CEMENT CONCRETE MILLING



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

MILLING DETAIL AT SURFACE TRANSITIONS
 NOT TO SCALE



SURFACE TRANSITION DETAIL L
 MAINLINE OVERLAY TO PREVIOUS MAINLINE OVERLAY PROJECT
 NOT TO SCALE

MODEL: Default
 FILE NAME: I:\17025\17025\002\CADD\Microstation\CADD_Drawing\01\0876E13-sht-detailK-Transition.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



USER NAME = stephanie.jee	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

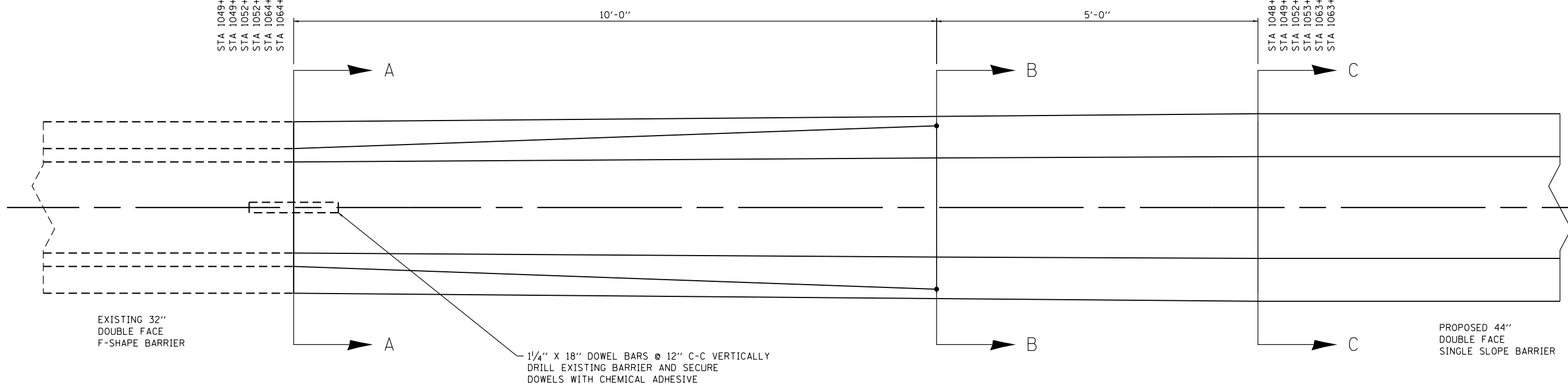
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-255 OVERLAY TRANSITION DETAILS			
SCALE:	SHEET 6	OF 6 SHEETS	STA. TO STA.

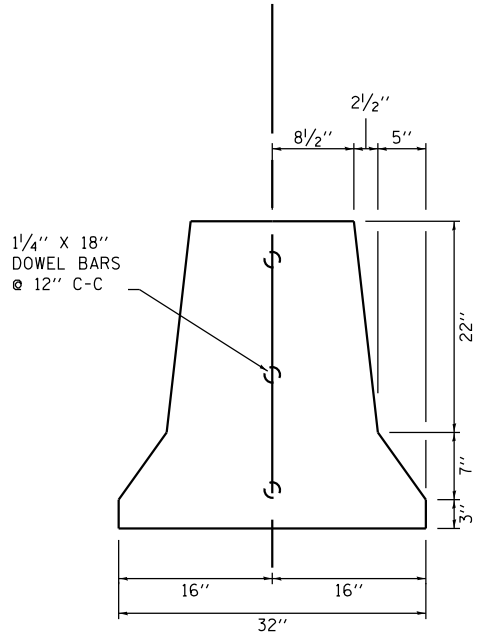
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	102
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 1049+05
 STA 1049+77
 STA 1052+80
 STA 1052+33
 STA 1064+00

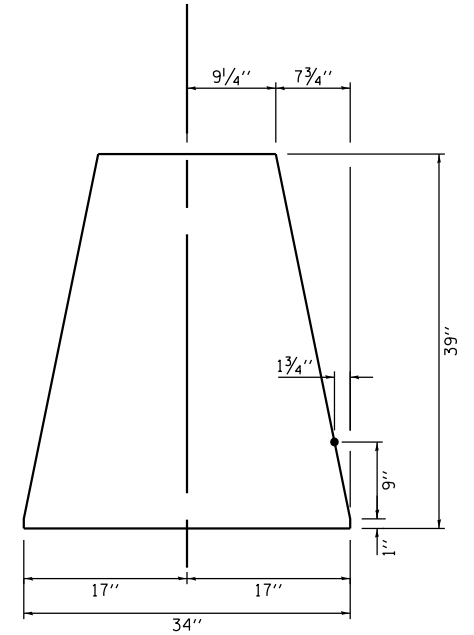
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 STA 1049+62
 STA 1052+95
 STA 1053+48
 STA 1063+85
 STA 1064+00



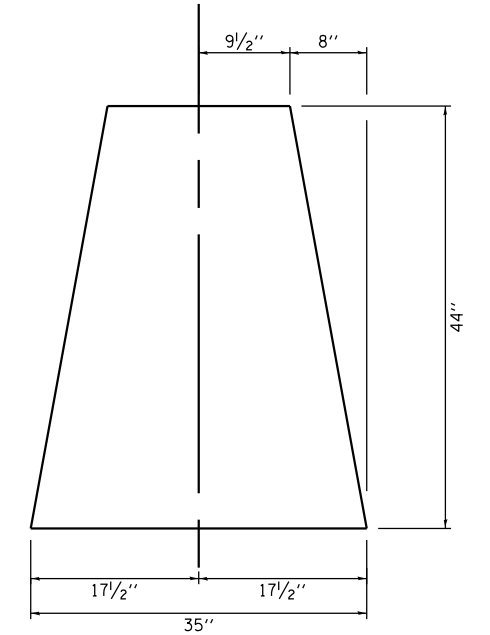
PLAN VIEW
 15' TRANSITION



SECTION A-A
 CONSTRUCTION JOINT



SECTION B-B
 TRANSITION



SECTION C-C
 CONTRACTION JOINT

**TRANSITION FROM 32\"/>
 TO 44\"/>
 (BW DETAIL #1)**

NOTE:
 - FOUNDATION, ANCHORING ACCORDING TO
 CONCRETE BARRIER DOUBLE FACE (637001)
 - NOT TO SCALE

MODEL: Default
 FILE NAME: I:\17025\17025\02\CADD\Microstation\CADD_Drawing\17025\17025\02\Detail\15-Transition.dgn
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



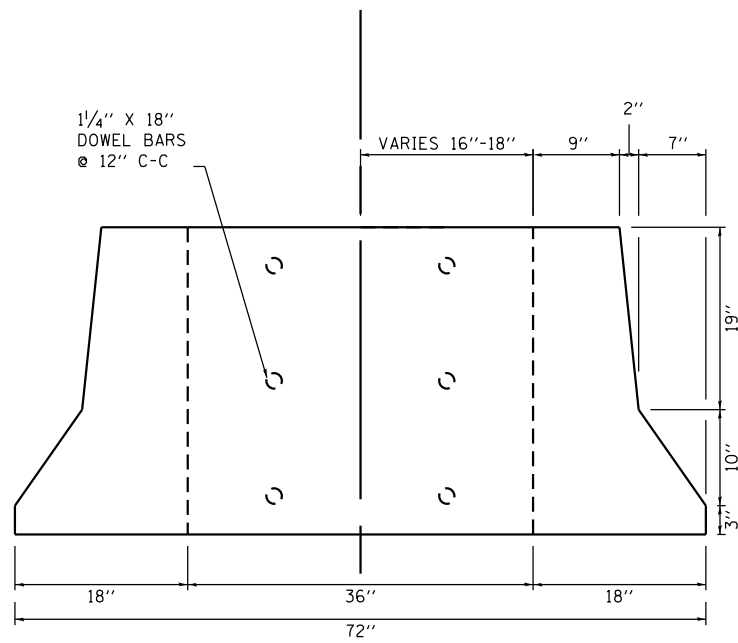
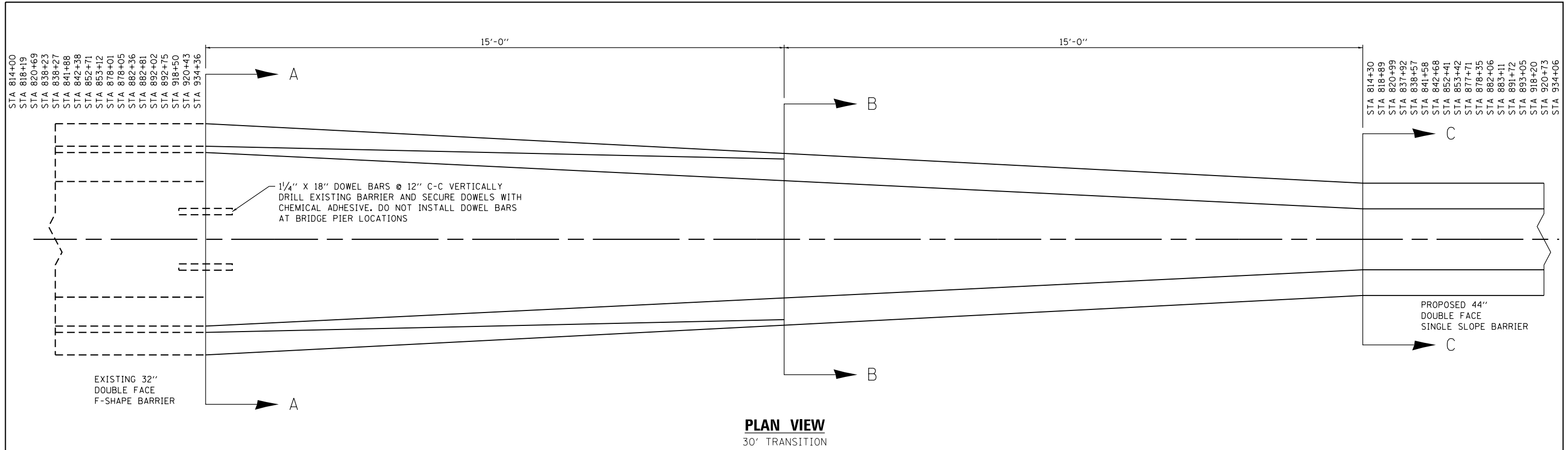
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	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

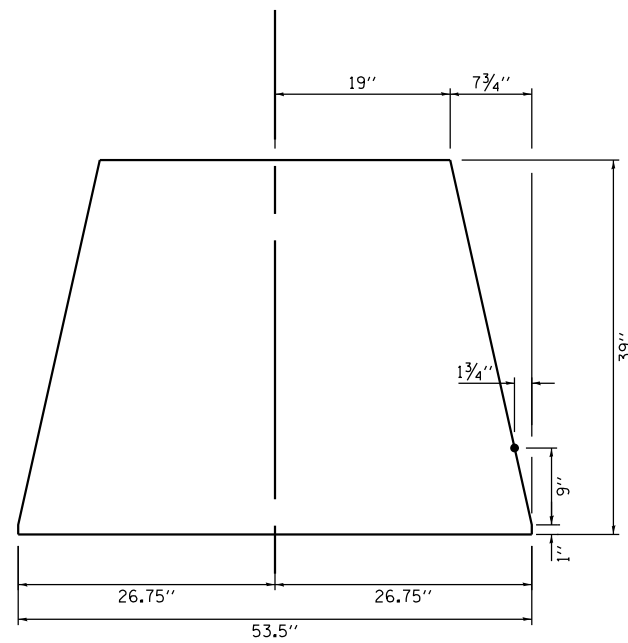
I-255 CONCRETE BARRIER TRANSITION DETAILS	
SCALE: NTS	SHEET 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3.2)RS	ST. CLAIR	280	103
CONTRACT NO. 76E13				

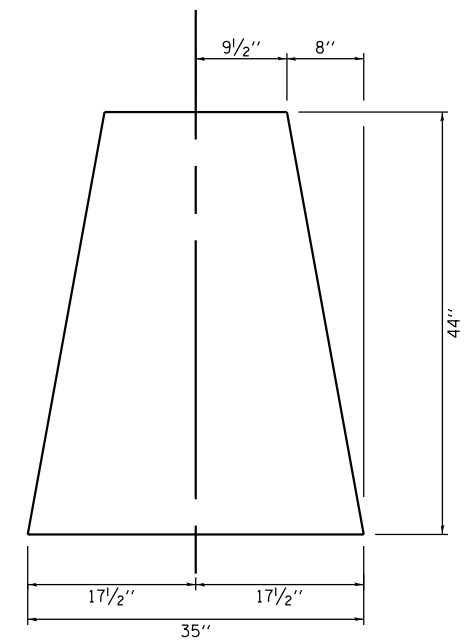
ILLINOIS FED. AID PROJECT	
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SECTION A-A
CONSTRUCTION JOINT



SECTION B-B
TRANSITION



SECTION C-C
CONTRACTION JOINT

**TRANSITION FROM DOUBLE 32" SINGLE SIDE F-SHAPE
TO 44" DOUBLE SIDE SINGLE SLOPE
(BW DETAIL #2)**

NOTE:
- FOUNDATION, ANCHORING ACCORDING TO
CONCRETE BARRIER DOUBLE FACE (637001)
- FLARE RATE ASSUMED TO BE 20:1
- NOT TO SCALE

MODEL: Default
FILE NAME: I:\17025\17025\02\CADD\Microstation\CADD_Drawing\02\813-shc-detail#2-MedBarTransition.dgn
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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PLOT DATE = 8/2/2019

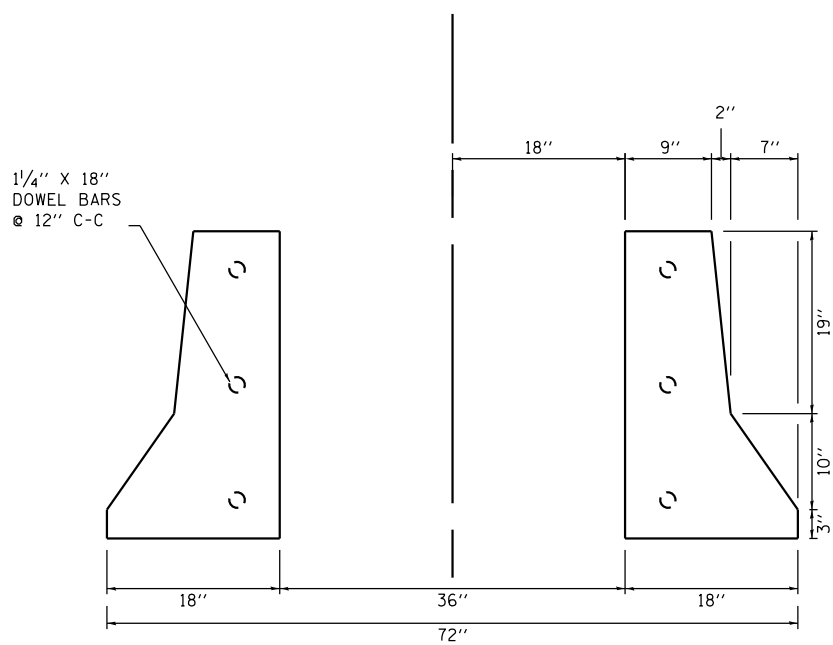
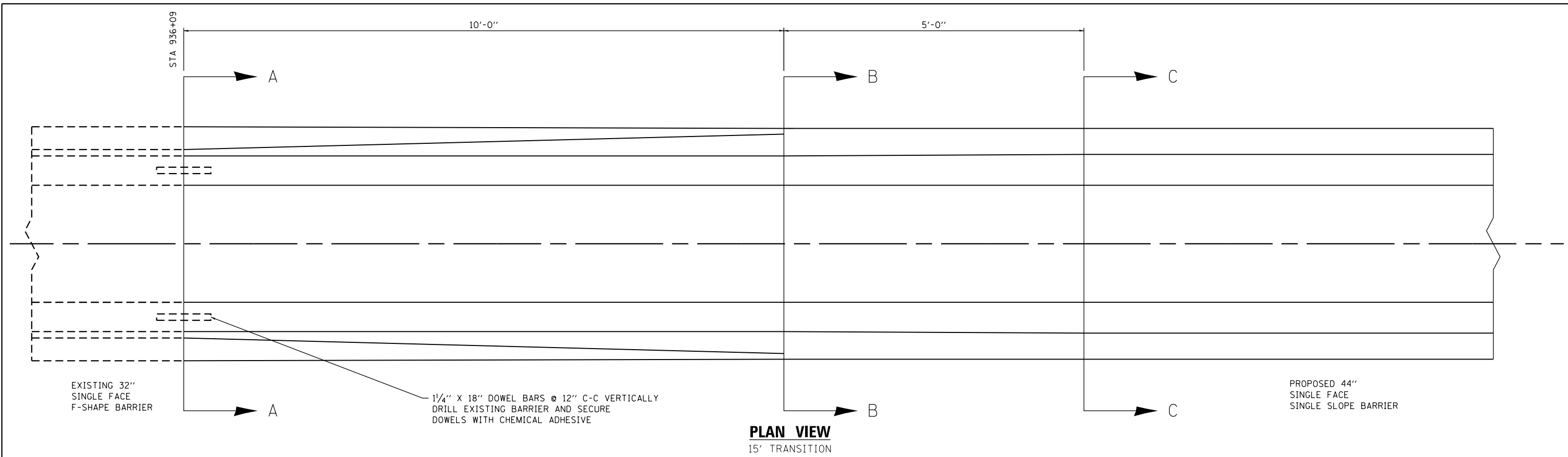
DESIGNED -
DRAWN -
CHECKED -
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

DESIGNED -
DRAWN -
CHECKED -
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

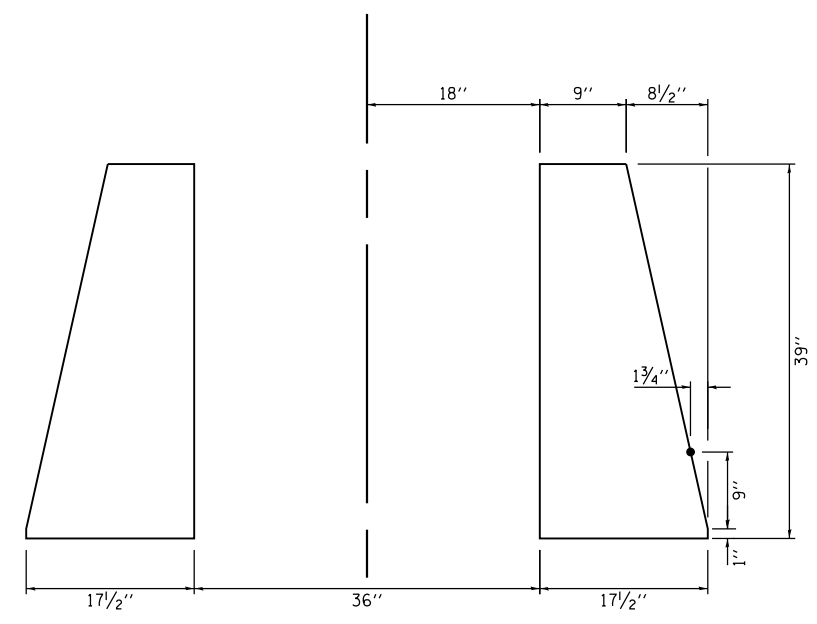
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
CONCRETE BARRIER TRANSITION DETAILS
SCALE: NTS
SHEET 2 OF 3 SHEETS
STA. TO STA.

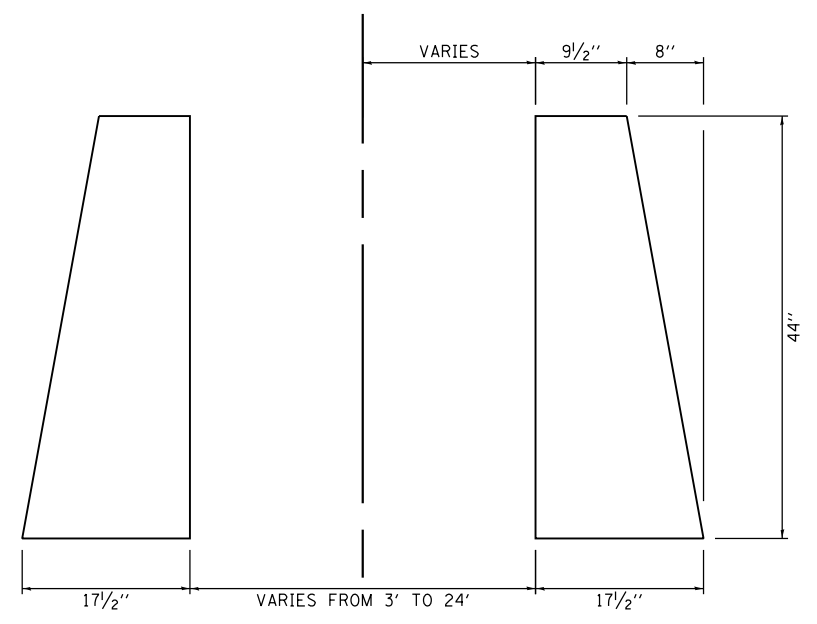
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	104
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SECTION A-A
CONSTRUCTION JOINT



SECTION B-B
TRANSITION



SECTION C-C
CONTRACTION JOINT

**TRANSITION FROM 32" SINGLE SIDE F-SHAPE
TO 44" SINGLE SIDE SINGLE SLOPE
(BW DETAIL #3)**

NOTE:
- FOUNDATION, ANCHORING ACCORDING TO
CONCRETE BARRIER DOUBLE FACE (637001)
- NOT TO SCALE

MODEL: Default; FILE NAME: I:\17025\17025\02\CADD\Microstation\CADD Drawings\0876E13-shc-detail-BW-Transition.dgn

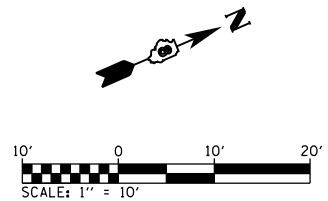
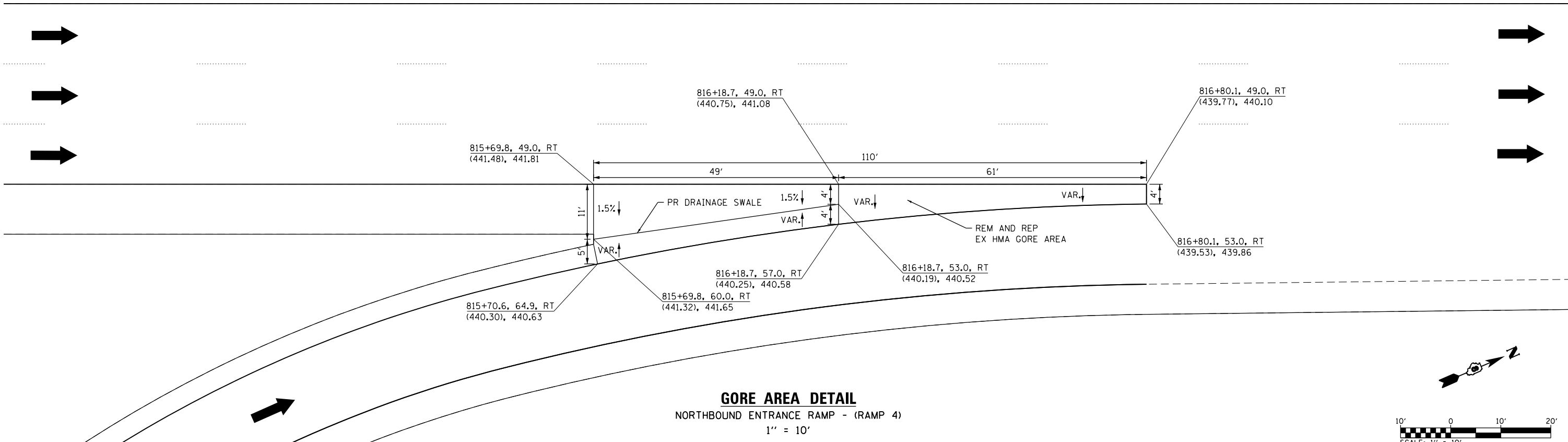
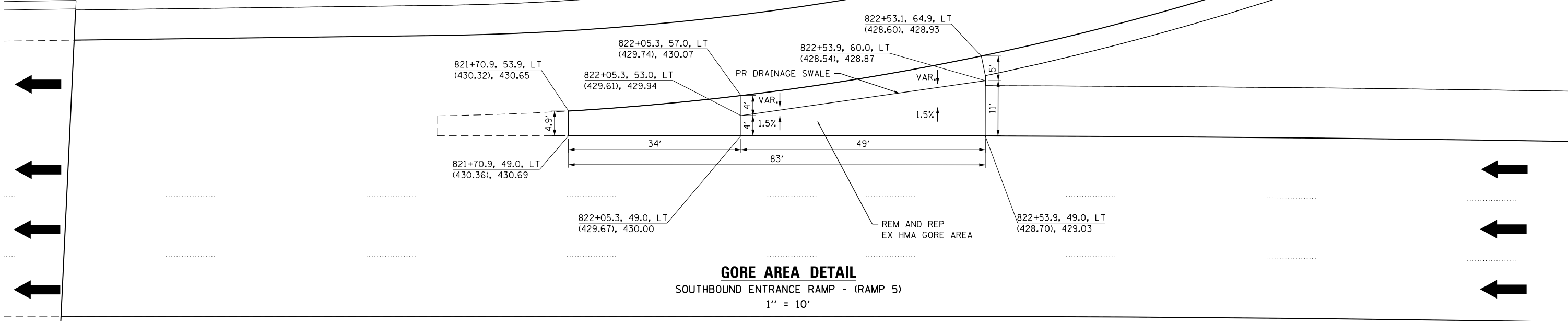
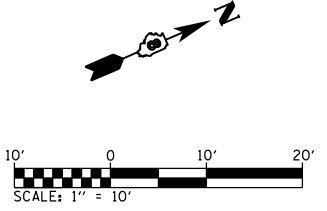


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PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-255 CONCRETE BARRIER TRANSITION DETAILS			
SCALE: NTS	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3.2)RS	ST. CLAIR	280	105
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MODEL: GORE AREA DETAIL
 FILE NAME: I:\11202511035.002\CADD\Microstation\CADD Drawings\0876E13-ghc-detail-GoreArea.dgn



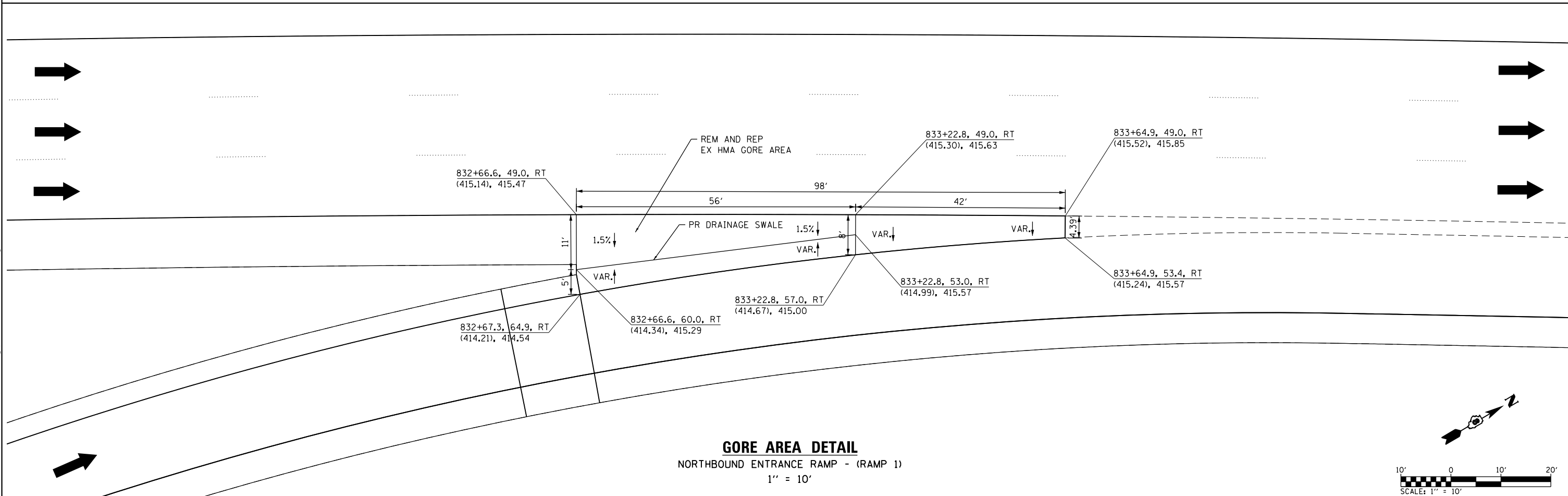
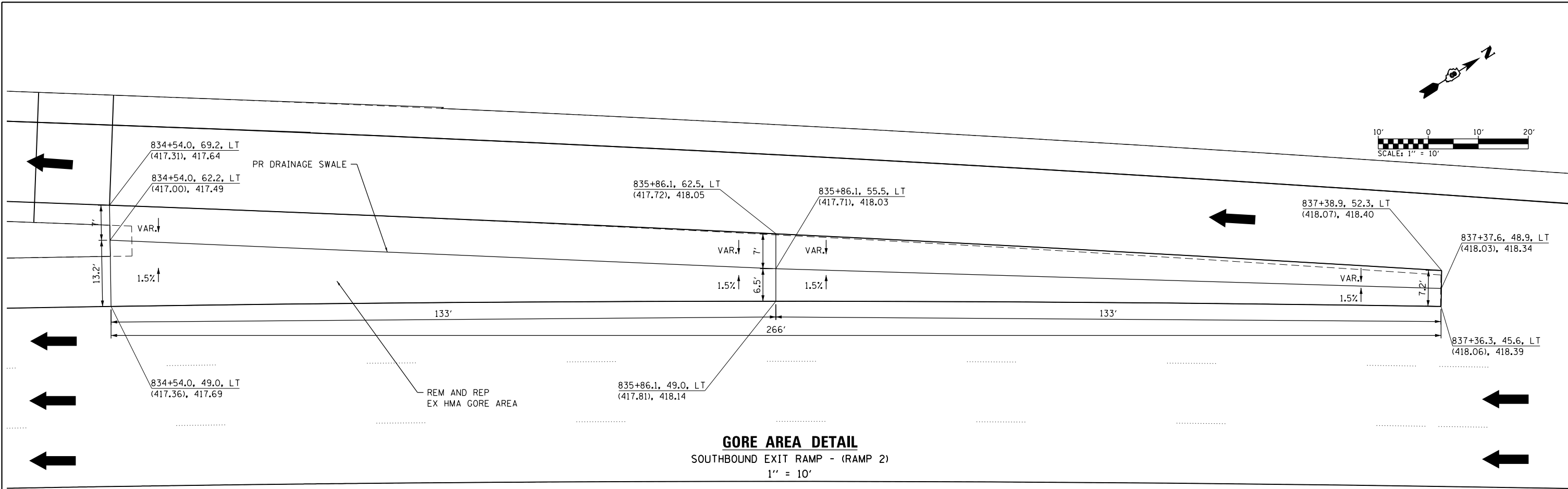
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PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -
DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
GORE AREA DETAILS - IL-15 INTERCHANGE

SCALE: 1" = 10' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	106
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MODEL: Gore Area Detail
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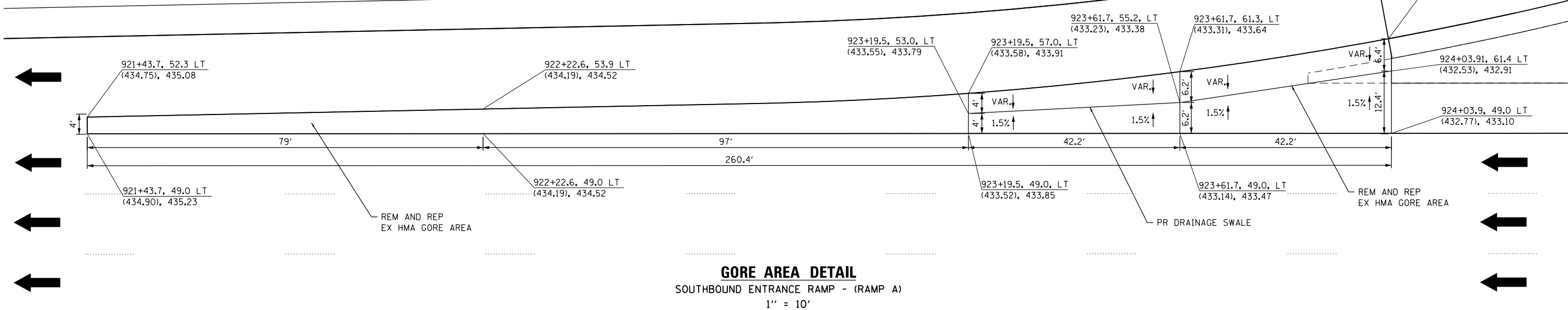
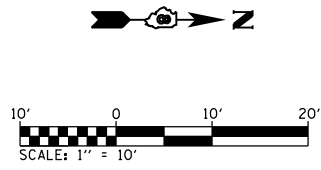
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PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

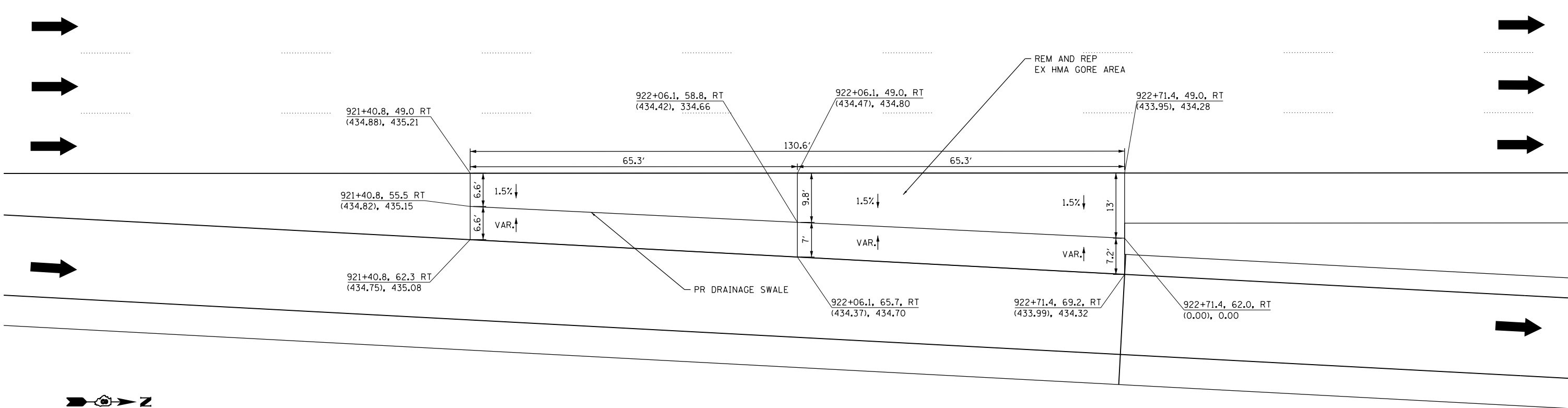
I-255
GORE AREA DETAILS - IL-15 INTERCHANGE

SCALE: 1" = 10' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	107
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

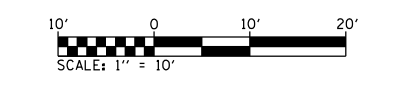


GORE AREA DETAIL
SOUTHBOUND ENTRANCE RAMP - (RAMP A)
1" = 10'



GORE AREA DETAIL
NORTHBOUND EXIT RAMP - (RAMP B)
1" = 10'

MODEL: GORE AREA DETAIL
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

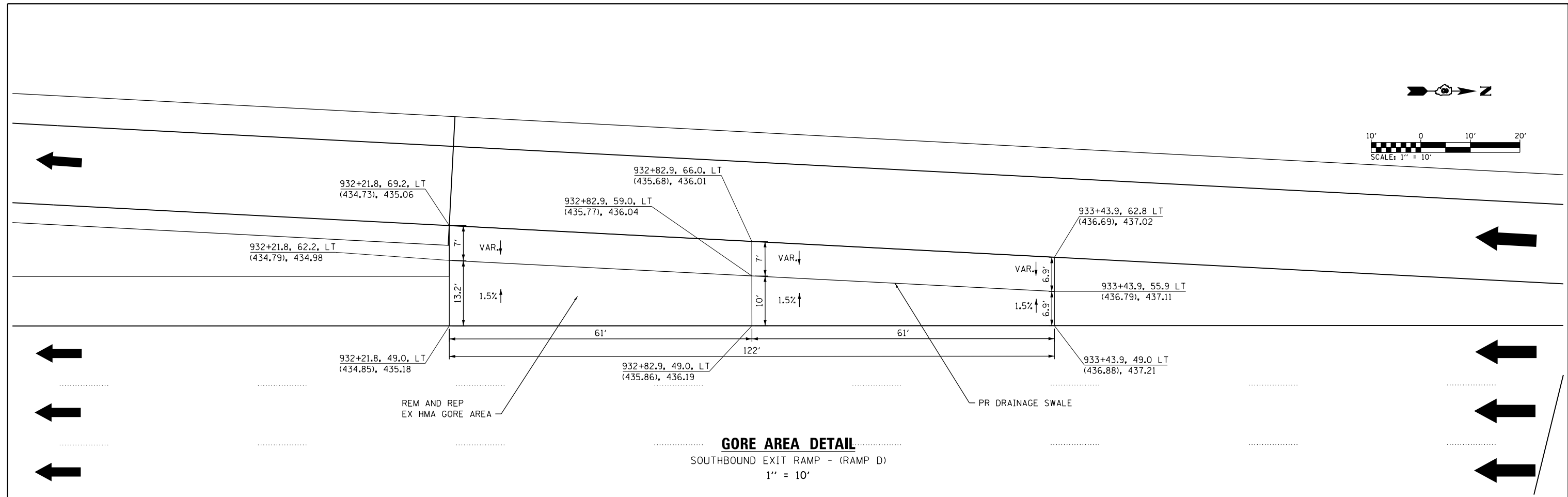
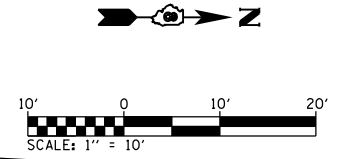
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PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
GORE AREA DETAILS - STATE STREET INTERCHANGE

SCALE: 1" = 10' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	108
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MODEL: Gore Area Detail
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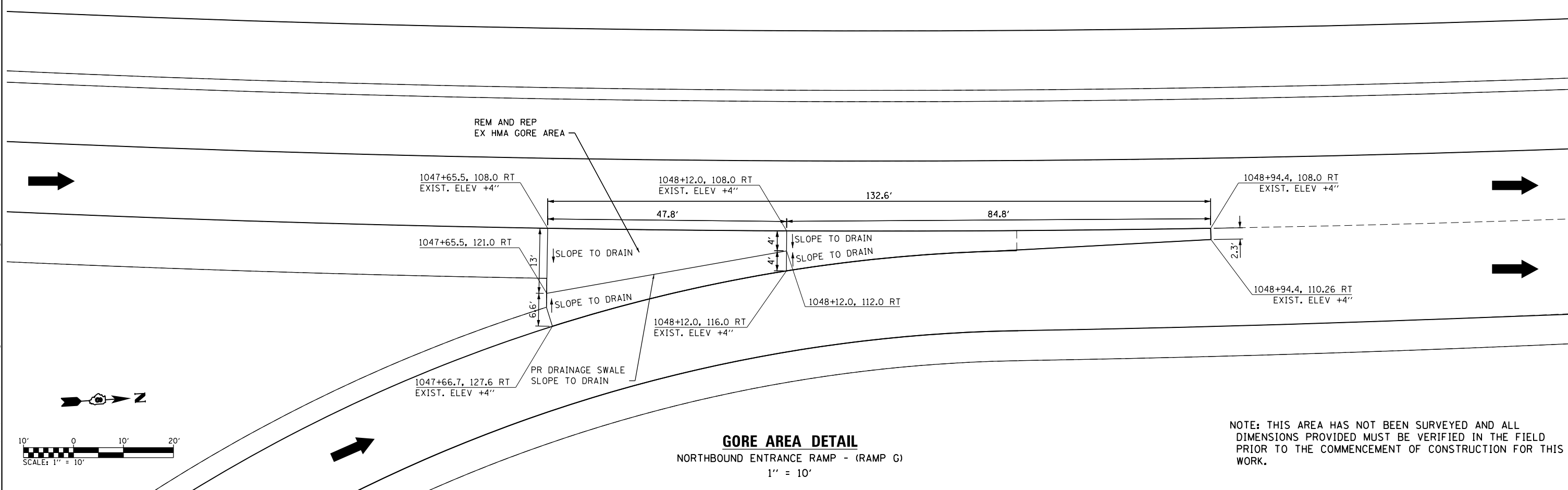
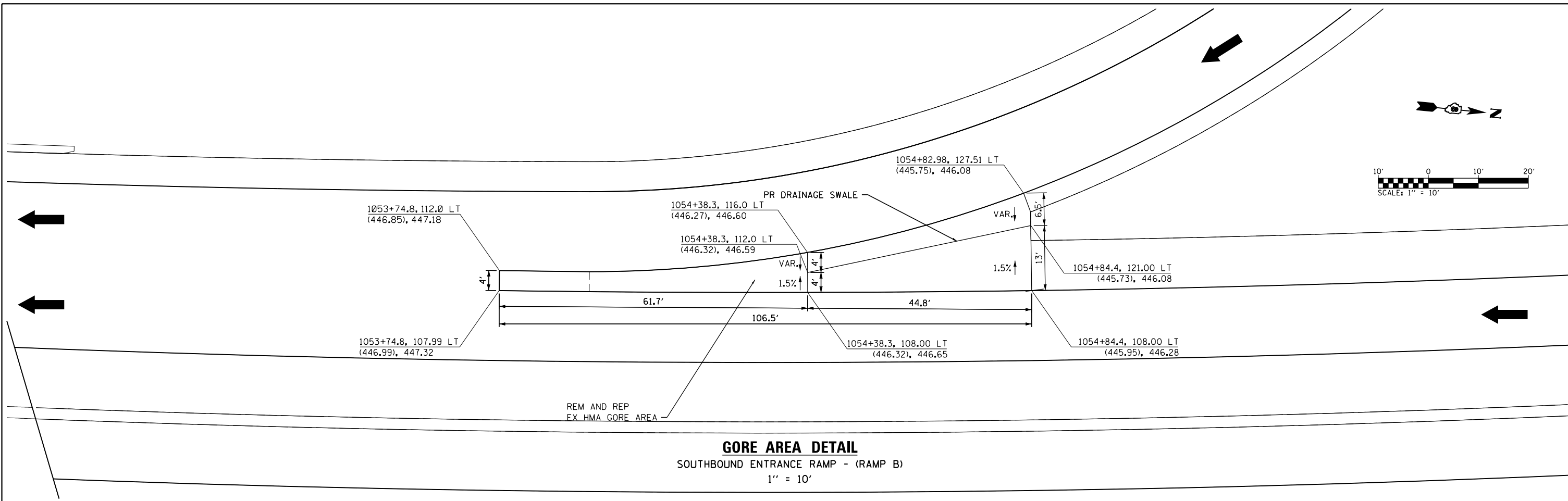


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	DRAWN -	REVISED -
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PLOT DATE = 8/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
GORE AREA DETAILS - STATE STREET INTERCHANGE
 SCALE: 1" = 10' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	109
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



NOTE: THIS AREA HAS NOT BEEN SURVEYED AND ALL DIMENSIONS PROVIDED MUST BE VERIFIED IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION FOR THIS WORK.

MODEL: Gore Area Detail
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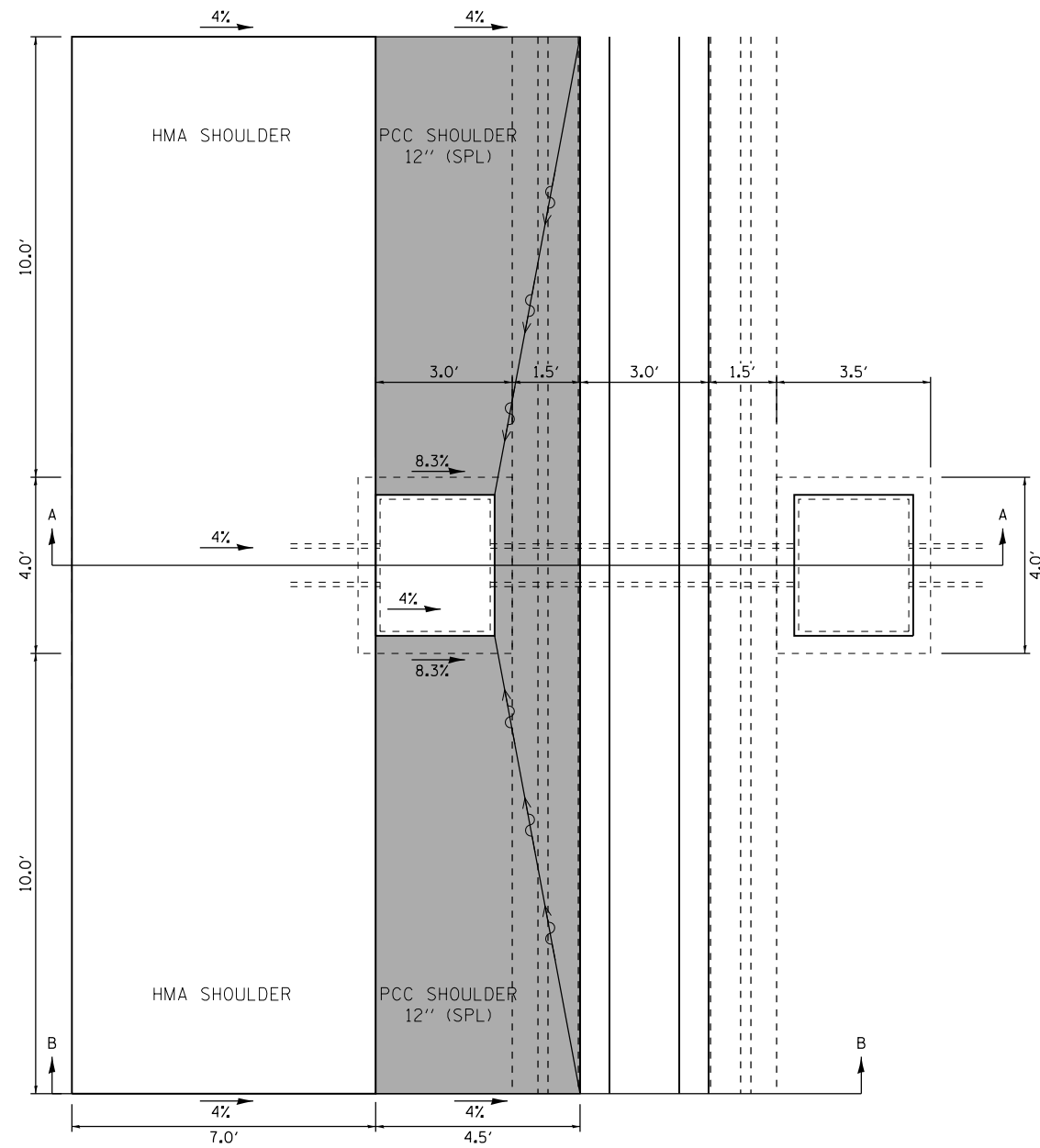


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DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

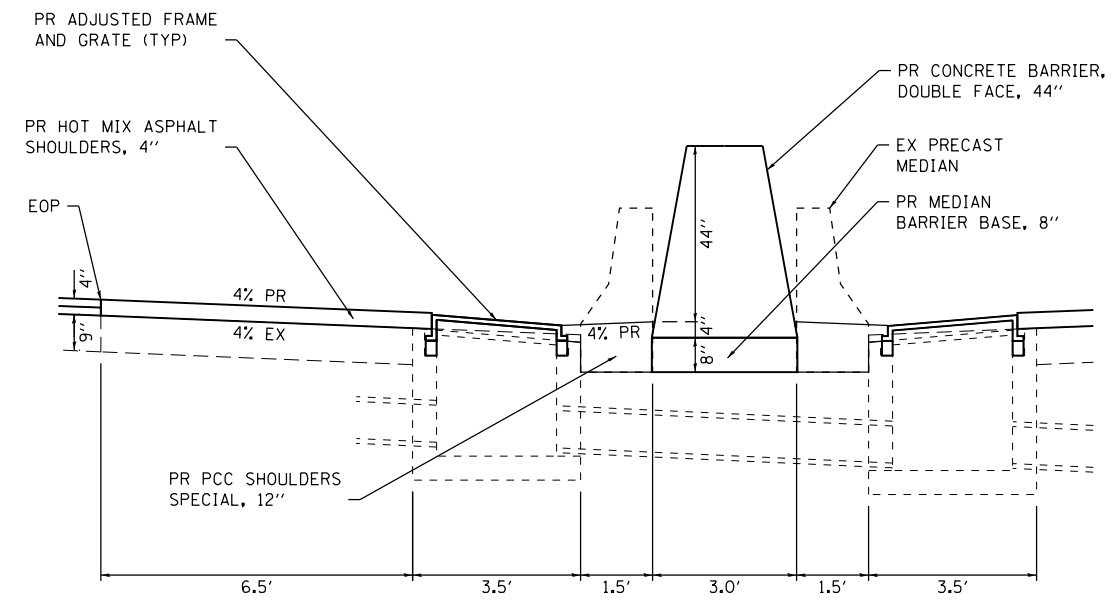
I-255
GORE AREA DETAILS - I-64 INTERCHANGE
SCALE: 1" = 10' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	110
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

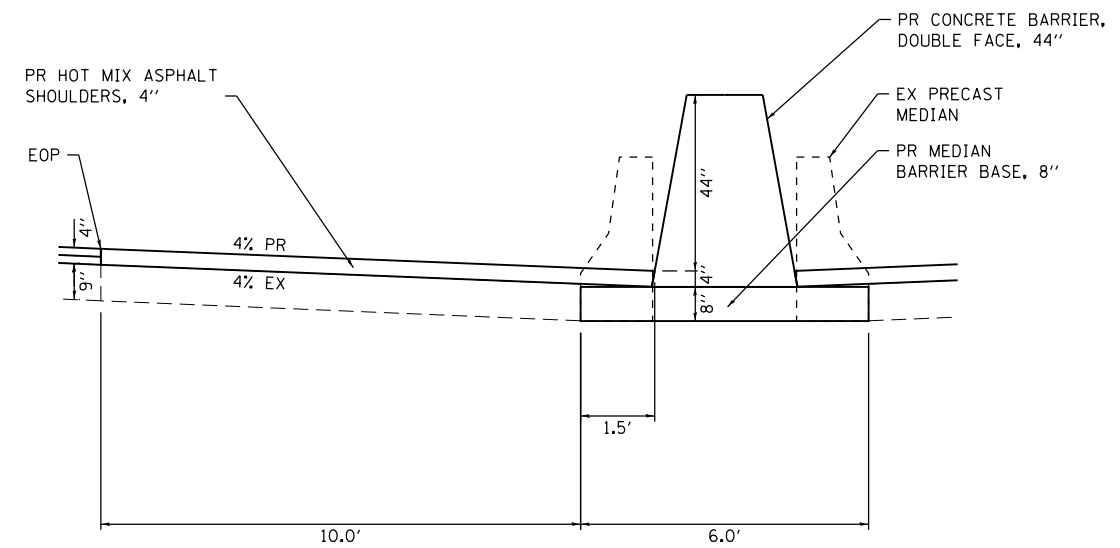


PLAN VIEW
NOT TO SCALE

NOTES:
EX DRAINAGE GRATE SLOPE: 8.33% (1" / 12")
EX SHOULDER SLOPE: 4% (1/2" / 12")
EX GRATE RAISED 3.7 INCHES



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

MODEL: Default
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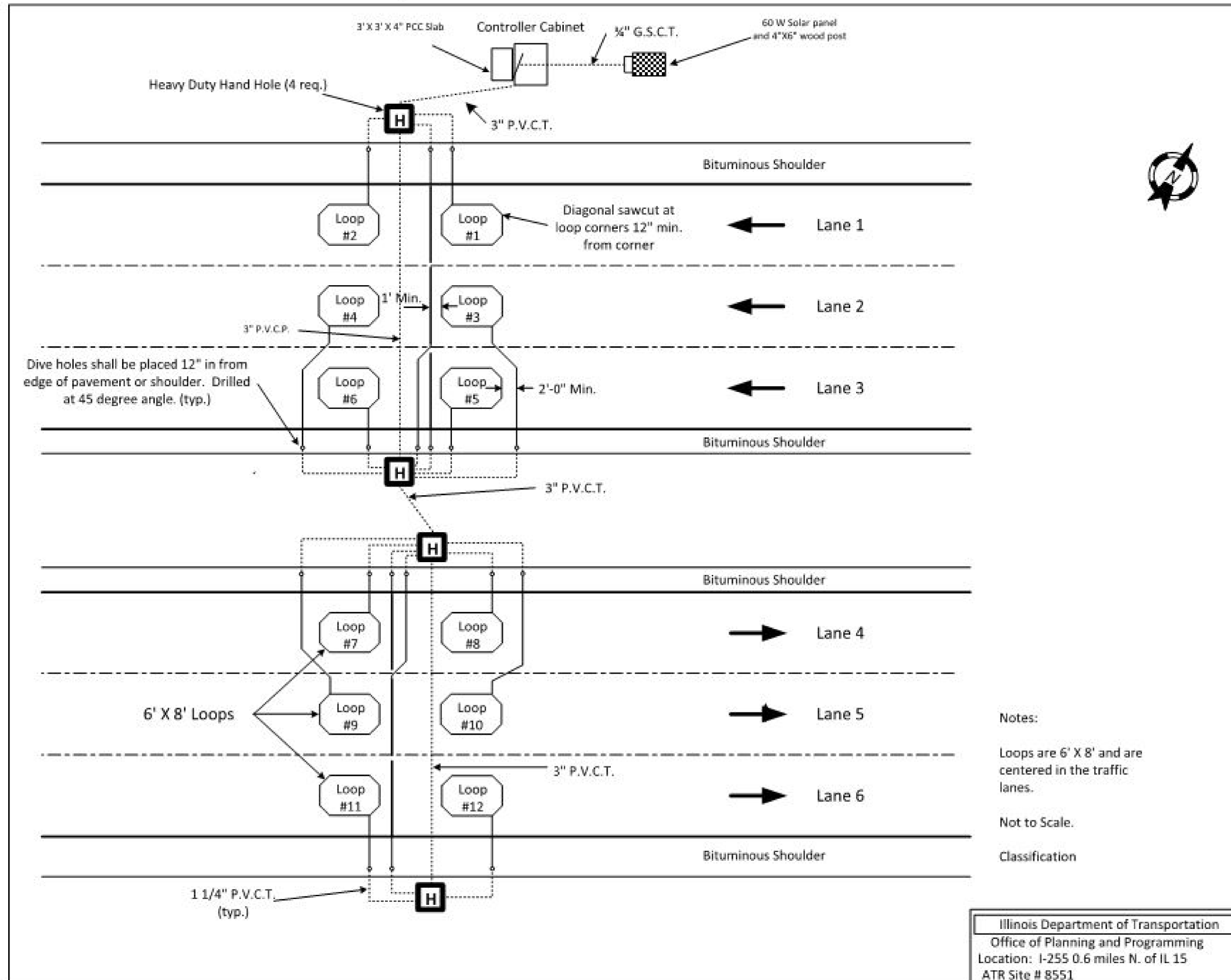
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
MEDIAN INLET DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	111
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Layout for ATR Location: 8551



Illinois Department of Transportation
 Office of Planning and Programming
 Location: I-255 0.6 miles N. of IL 15
 ATR Site # 8551

MODEL: Default
 FILE NAME: I:\170251\170251\002\CADD\Microstation\CADD_Drawing\01\0876E13-2b-04-dbf-016-Misc.dgn



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 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 8/5/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

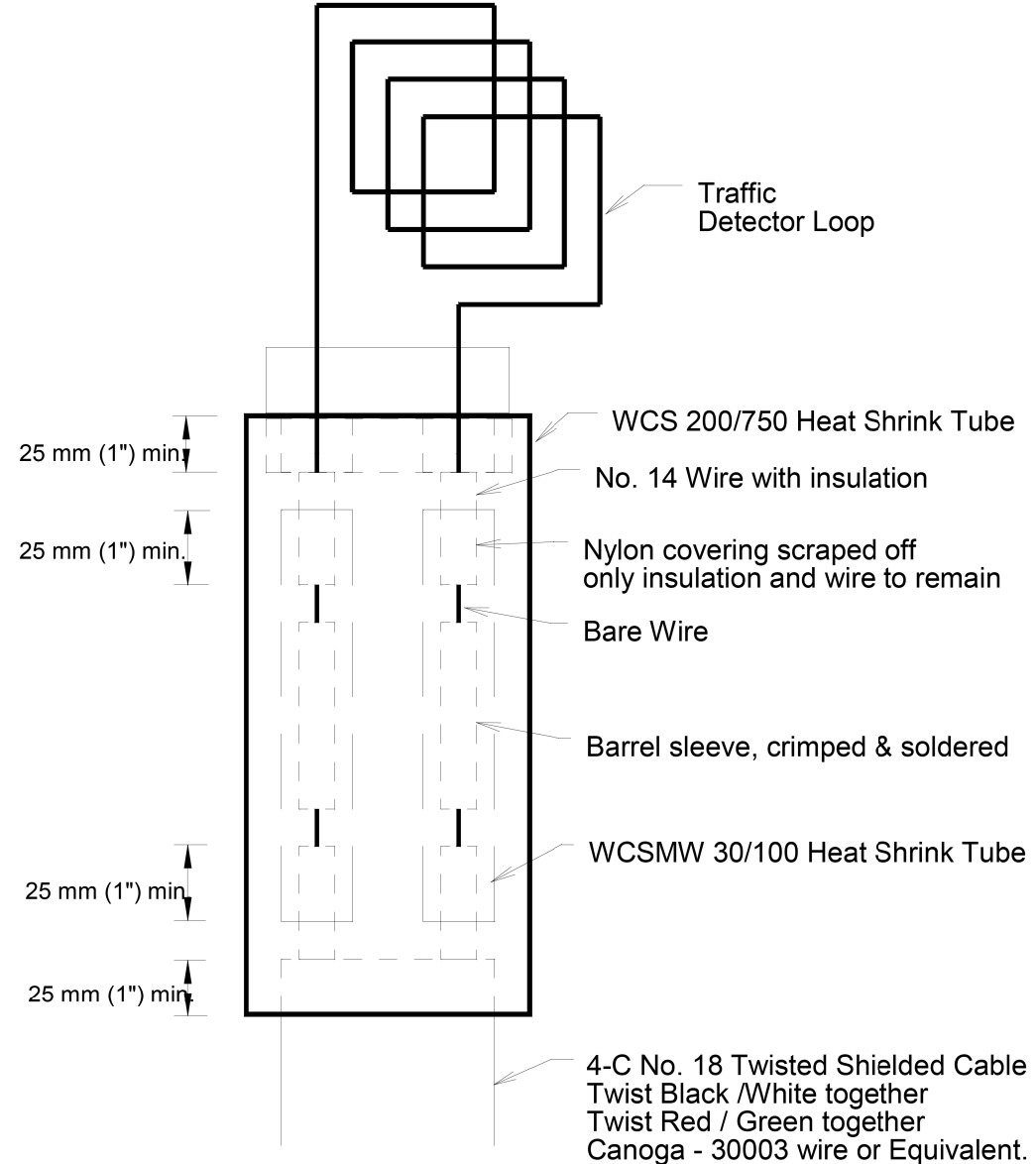
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-255
 ATR SITE DETAILS
 SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

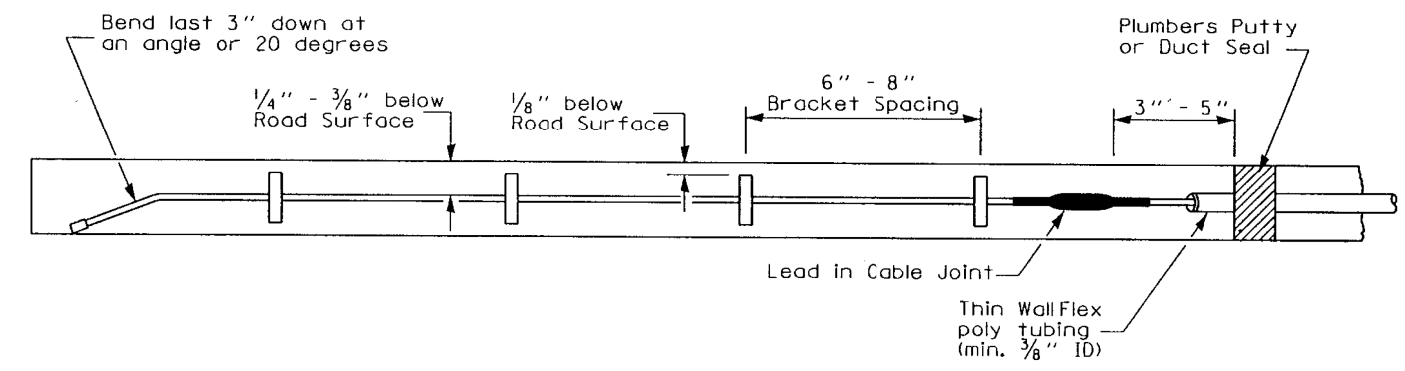
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	112
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Loop Splicing Requirements



Minimum 25 mm (1") Heat Shrink Tube overlap on wire.
 PVC & Shielded cable to form water tight seal. Note: Not to Scale

REVISIONS		Illinois Department of Transportation Office of Planning and Programming			
Name	Date				
		Drawn By:	Checked By:	Date:	Scale:
		R. Taylor	R. Taylor	01/20/00	NONE



MODEL: Default
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 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

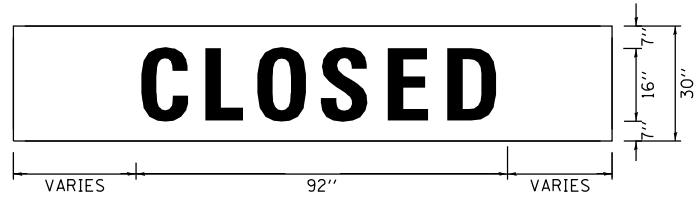


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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/2/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

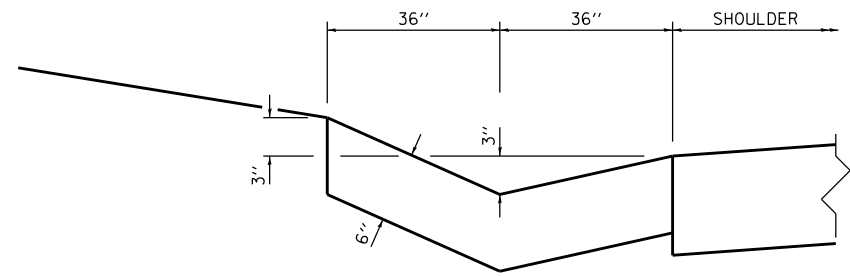
I-255 ATR SITE DETAILS			
SCALE: NTS	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	113
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

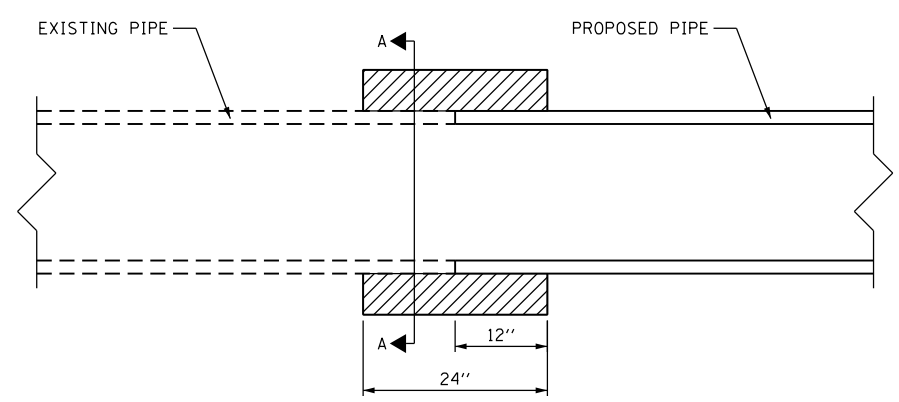


BACKGROUND: ORANGE (REFL)
 LEGEND: BLACK (NON-REFL) E Mod 2K;
 Table of letter and object lefts.

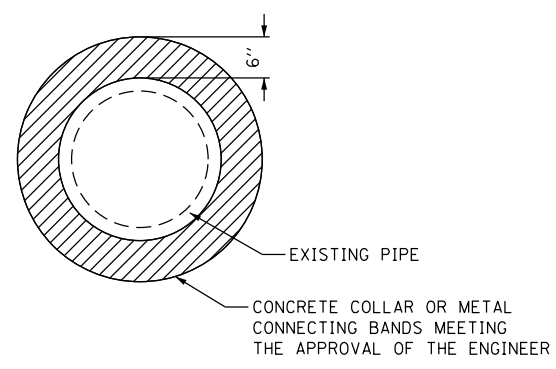
C	L	O	S	E	D
31.9	48.4	62.2	79.0	95.9	111.1



CONCRETE GUTTER TYPE A SPECIAL
 (NOT TO SCALE)



CONCRETE PIPE COLLAR DETAIL
 (NOT TO SCALE)



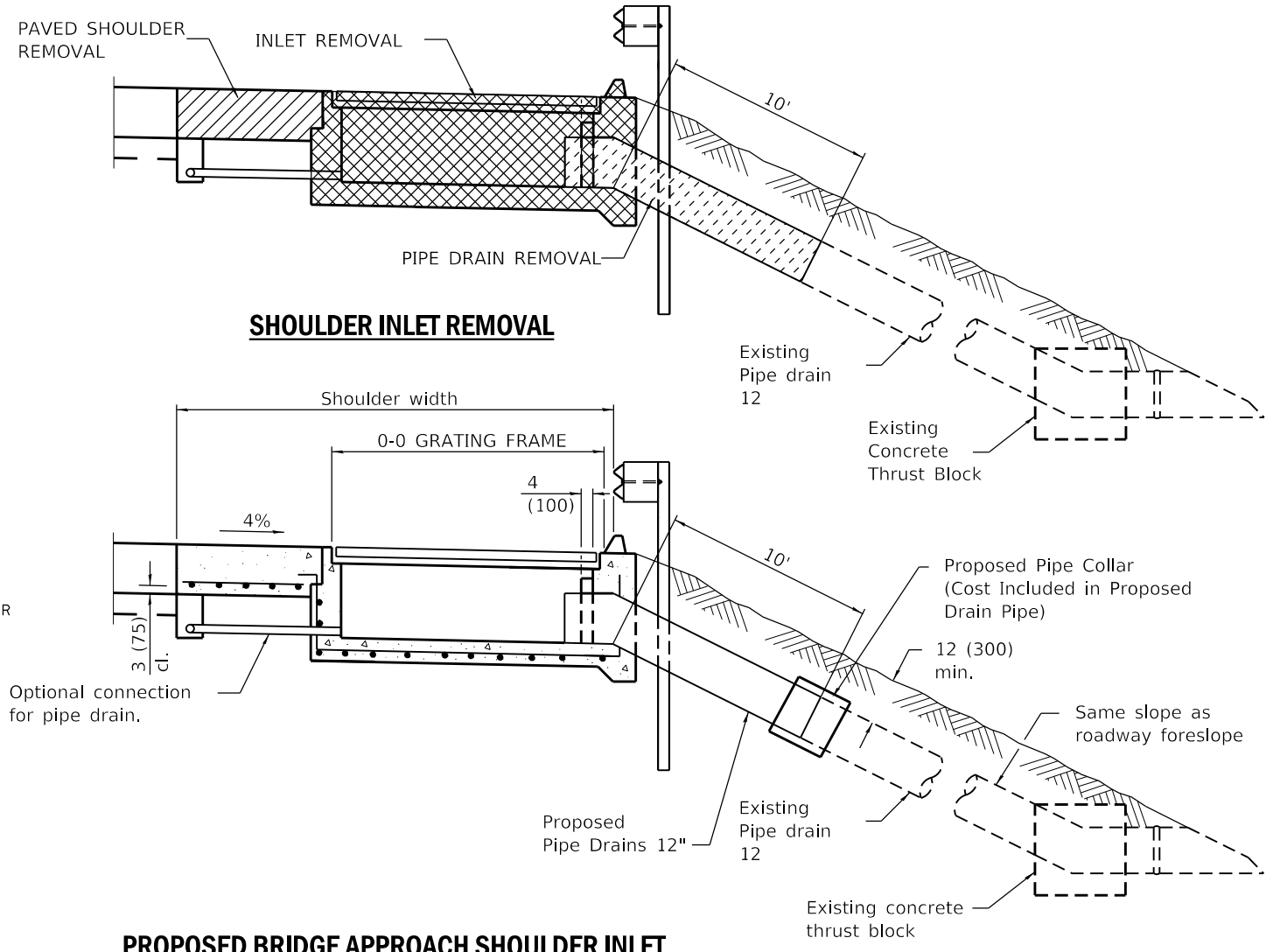
SECTION A-A
 (NOT TO SCALE)

CLOSED PLACARD LOCATIONS

LOCATION	PLACARD QTY	NOTES
WB IL 15 @ I-255	1	RAMP SIGN IN FRONT OF FLYING J
WB IL 15 @ I-255	1	RAMP ENTRANCE SIGN
EB IL 15 @ I-255	1	SIGN TRUSS OVER EB LANES
EB IL 15 @ I-255	1	SIGN ATTACHED TO BRIDGE
WB STATE STREET	1	RAMP ENTRANCE
EB STATE STREET	1	RAMP ENTRANCE
WB I-64 @ I-255	1	RAMP SIGN ATTACHED TO 81ST BRIDGE
WB I-64 C-D LANES @ I-255	1	RAMP CANTILEVER SIGN TRUSS
EB I-64 @ I-255	1	RAMP SIGN TRUSS OVER C-D LANES
TOTAL:	9	

PLACARD NOTES:
 1. SEE CLOSED PLACARD DETAIL FOR SIGN SIZE.

"CLOSED" PLACARD DETAIL



PROPOSED BRIDGE APPROACH SHOULDER INLET

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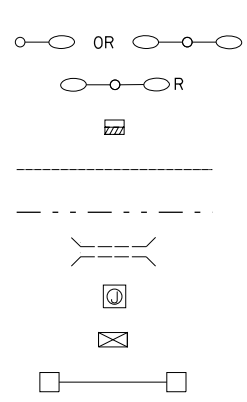
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 PLOT DATE = 8/2/2019

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

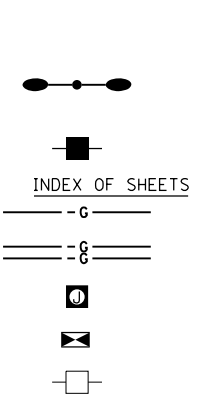
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-255
 MISCELLANEOUS DETAILS
 SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3.2)RS	ST. CLAIR	280	114
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



LEGEND
 ○ OR ○-○ EXISTING LIGHT POLE W/ LUMINAIRE TO REMAIN
 ○-○-○ EXISTING LIGHT POLE W/ LUMINAIRE TO BE REMOVED
 ▨ EXISTING UNDERPASS LUMINAIRE TO REMAIN
 - - - - - EXISTING ELECTRIC CABLE IN CONDUIT OR UNIT DUCT, AS SPECIFIED
 - - - - - EXISTING ELECTRIC CABLE IN CONDUIT OR UNIT DUCT, TO BE REMOVED
 - - - - - EXISTING CONDUIT
 ⊕ EXISTING JUNCTION BOX
 ⊗ EXISTING LIGHTING CONTROLLER
 □ EXISTING SIGN TRUSS



●-●-● PROPOSED MEDIAN MOUNTED LIGHT POLE, ALUMINUM, 45' POLE, (2)-8FT M.A., LUMINAIRE LED DESIGNATION "H", ON MEDIAN BARRIER WALL FOUNDATION.
 ■ PROPOSED ELECTRIC SERVICE INSTALLATION, SIZE AS NOTED ON PLANS
 - G - PROPOSED UNIT DUCT, SIZE AS SPECIFIED
 - G - PROPOSED UNDERGROUND CONDUIT, PVC, 2" DIA. OR AS NOTED OTHERWISE.
 ⊕ PROPOSED JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18"X12"X8"
 ⊗ PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, SIZE AS NOTED ON PLANS
 □ EXISTING ELECTRIC SERVICE

EXISTING LIGHT POLE LEGEND

BOLT PATTERN	50' MH POLES				20' MH POLES	18' MH POLES	17' MH POLES	
	400W	310W	400W/310W	250W	150W	150W	250W	150W
18'R	○-○-○	○-○-○	○-○-○				○-○	○-○-○
17'R	○-○-○			○-○				
16'R	○-○	○-○		○-○				
15'R				○-○				
				○-○				
4" X 14.5" RECT.		○-○		○-○			○-○	

INDEX OF SHEETS

L-1	CABLE/ CONDUIT LEGEND, GENERAL NOTES, HIGHWAY STANDARDS, INDEX OF SHEETS, SCHEDULE OF QUANTITIES AND LEGEND	L-16	BLACK LANE CONTROLLER REMOVAL SHT. 1 OF 2	L-32	CONTROLLERS #18 & #19 INSTALLATION SHT. 5 OF 5
L-2	LOCATION MAPS	L-17	BLACK LANE CONTROLLER REMOVAL SHT. 2 OF 2	L-33	WIRING DIAGRAM 1 OF 3
L-3	CONTROLLER #15 REMOVAL SHT. 1 OF 3	L-18	CONTROLLERS #21 REMOVAL SHT. 1 OF 2	L-34	WIRING DIAGRAM 2 OF 3
L-4	CONTROLLER #15 REMOVAL SHT. 2 OF 3	L-19	CONTROLLERS #21 REMOVAL SHT. 2 OF 2	L-35	WIRING DIAGRAM 3 OF 3
L-5	CONTROLLER #15 REMOVAL SHT. 3 OF 3	L-20	CONTROLLER #15 INSTALLATION SHT. 1 OF 3	L-36	LUMINAIRE PERFORMANCE TABLE
L-6	CONTROLLERS #16 & #17 REMOVAL SHT. 1A & 1B OF 5	L-21	CONTROLLER #15 INSTALLATION SHT. 2 OF 3	L-37	THRU
L-7	CONTROLLERS #16 & #17 REMOVAL SHT. 2A & 2B OF 5	L-22	CONTROLLER #15 INSTALLATION SHT. 3 OF 3	L-43	INFORMATION, ONLY
L-8	CONTROLLERS #16 & #17 REMOVAL SHT. 3A & 3B OF 5	L-23	CONTROLLERS #16 & #17 INSTALLATION SHT. 1A & 1B OF 5.		
L-9	CONTROLLERS #16 & #17 REMOVAL SHT. 4 OF 5	L-24	CONTROLLERS #16 & #17 INSTALLATION SHT. 2A & 2B OF 5		
L-10	CONTROLLERS #16 & #17 REMOVAL SHT. 5 OF 5	L-25	CONTROLLERS #16 & #17 INSTALLATION SHT. 3A & 3B OF 5		
L-11	CONTROLLERS #18 & #19 REMOVAL SHT. 1 OF 5	L-26	CONTROLLERS #16 & #17 INSTALLATION SHT. 4 OF 5		
L-12	CONTROLLERS #18 & #19 REMOVAL SHT. 2 OF 5	L-27	CONTROLLERS #16 & #17 INSTALLATION SHT. 5 OF 5		
L-13	CONTROLLERS #18 & #19 REMOVAL SHT. 3 OF 5	L-28	CONTROLLERS #18 & #19 INSTALLATION SHT. 1 OF 5		
L-14	CONTROLLERS #18 & #19 REMOVAL SHT. 4 OF 5	L-29	CONTROLLERS #18 & #19 INSTALLATION SHT. 2 OF 5		
L-15	CONTROLLERS #18 & #19 REMOVAL SHT. 5 OF 5	L-30	CONTROLLERS #18 & #19 INSTALLATION SHT. 3 OF 5		
		L-31	CONTROLLERS #18 & #19 INSTALLATION SHT. 4 OF 5		

CABLE/CONDUIT LEGEND

- (A) UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE.
- (B) UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE.
- (C) UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE.
- (D) UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE.
- (E) 2" PVC CONDUIT EMBEDDED IN STRUCTURE.
- (F) 2" PVC CONDUIT EMBEDDED IN STRUCTURE, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE).
- (G) 2" PVC CONDUIT EMBEDDED IN STRUCTURE, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE).

GENERAL NOTES

1. ELECTRIC CABLES IN EXISTING UNIT DUCT OR CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT."

SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QTY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	3
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1,965
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	19,326
81104580	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	10
81301370	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18" X 12" X 8"	EACH	14
81603090	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,255
81603025	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	22
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	4,827
81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,162
81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	8,528
81702420	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	12,410
82100008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	136
82500180	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	3
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	68
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	4
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12,721
X0327303	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH NO SALVAGE	EACH	35
X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	67
	LIGHT POLE, ALUMINUM, 45 FT, 2-8 FT MAST ARMS	EACH	68

HIGHWAY STANDARDS

- 812001 RACEWAY EMBEDDED IN STRUCTURE
- 821101-02 LUMINAIRE WIRING IN POLE
- 825026-04 LIGHTING CONTROLLER BASE MOUNTED, 480V
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 836011-02 LIGHT POLE FOUNDATION WITH 44 IN. (1120 MM) CONCRETE BARRIER

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I-64 INTERCHANGE
 CONTROLLERS #18 & #19
 SHTS. L-11 THRU L-15,
 L-28 THRU L-32,
 L-42 & L-43 OF L-43

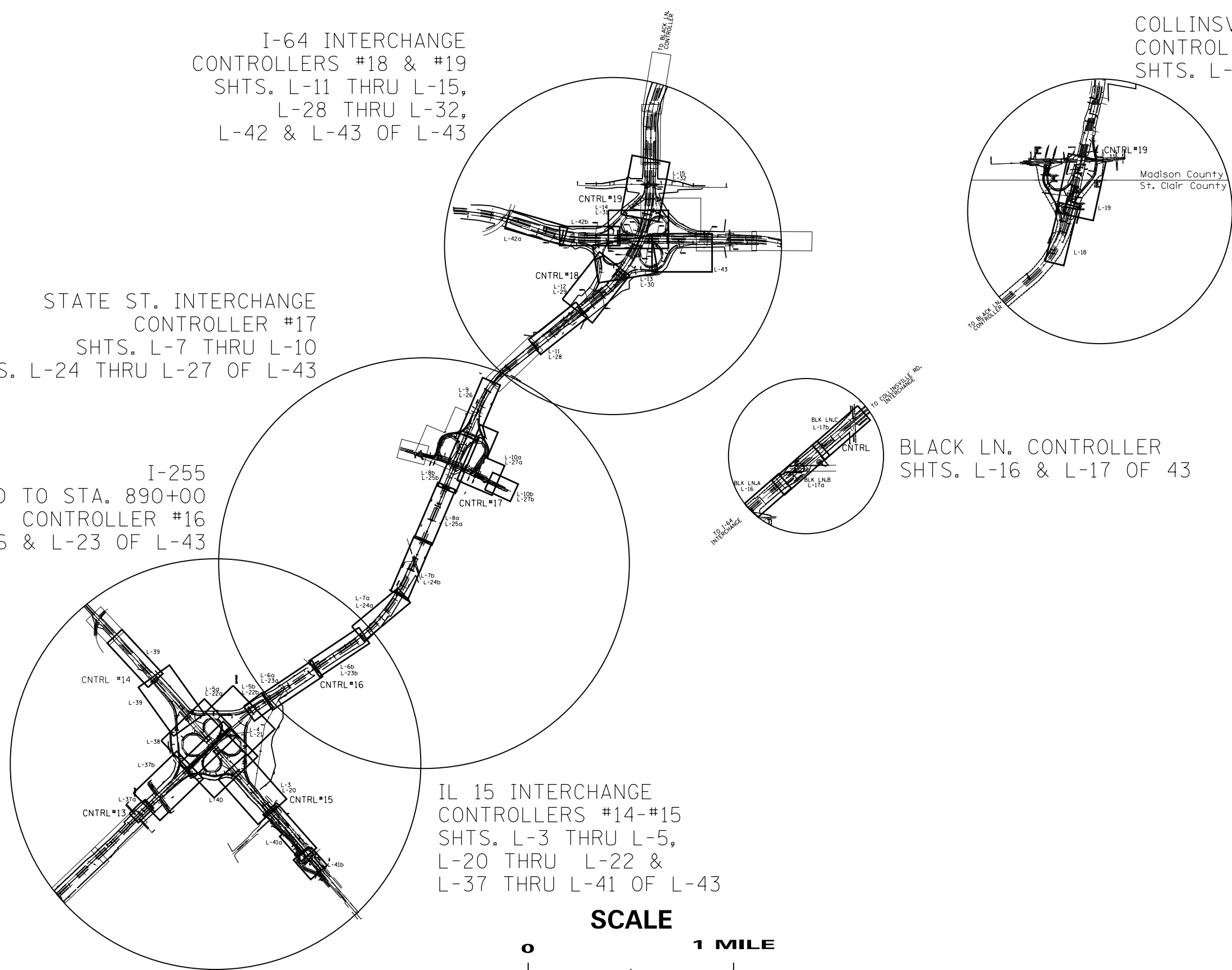
COLLINSVILLE RD.
 CONTROLLERS #21
 SHTS. L-18 & L-19 OF L-43

STATE ST. INTERCHANGE
 CONTROLLER #17
 SHTS. L-7 THRU L-10
 & SHTS. L-24 THRU L-27 OF L-43

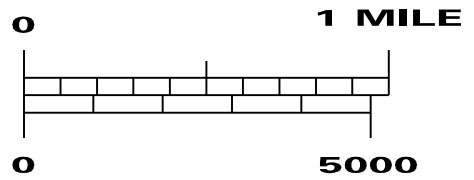
I-255
 STA. 838+00 TO STA. 890+00
 CONTROLLER #16
 SHTS. L-6 & L-23 OF L-43

BLACK LN. CONTROLLER
 SHTS. L-16 & L-17 OF 43

IL 15 INTERCHANGE
 CONTROLLERS #14-#15
 SHTS. L-3 THRU L-5,
 L-20 THRU L-22 &
 L-37 THRU L-41 OF L-43

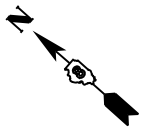
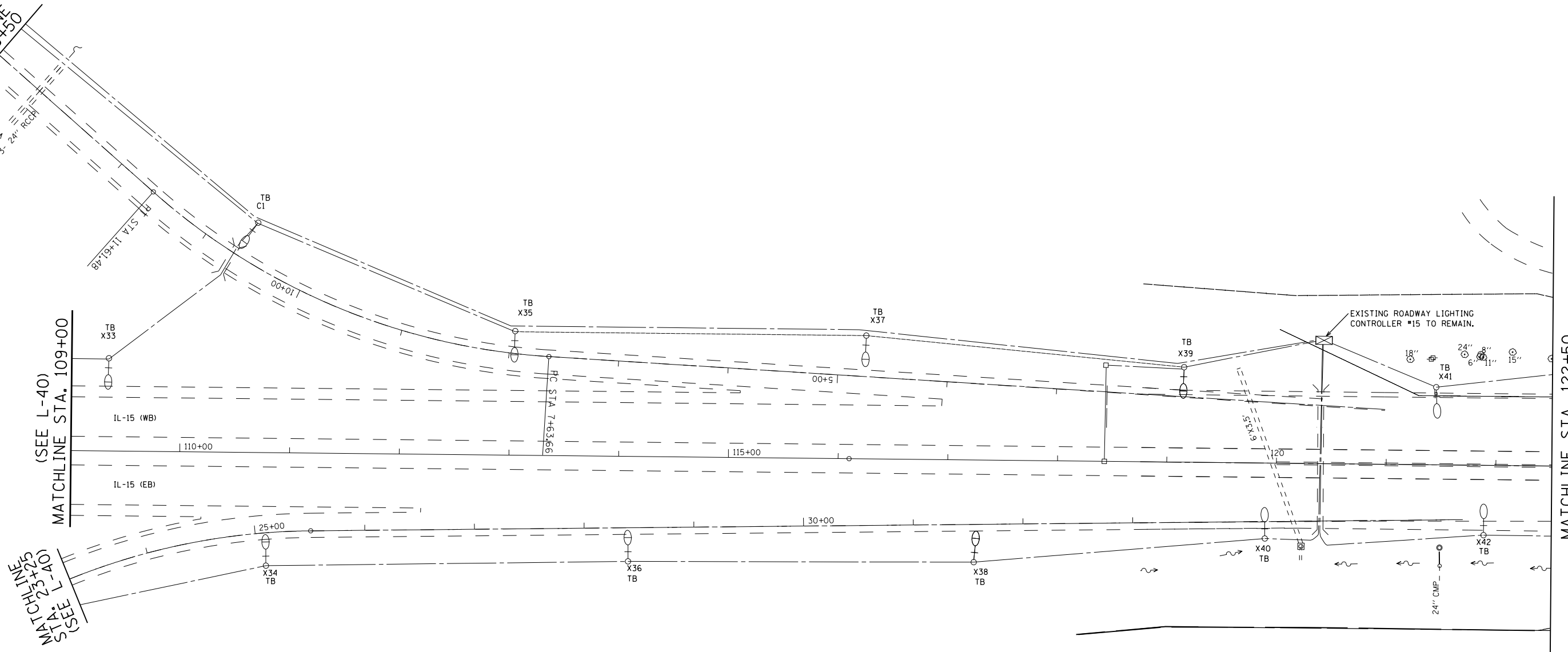


SCALE



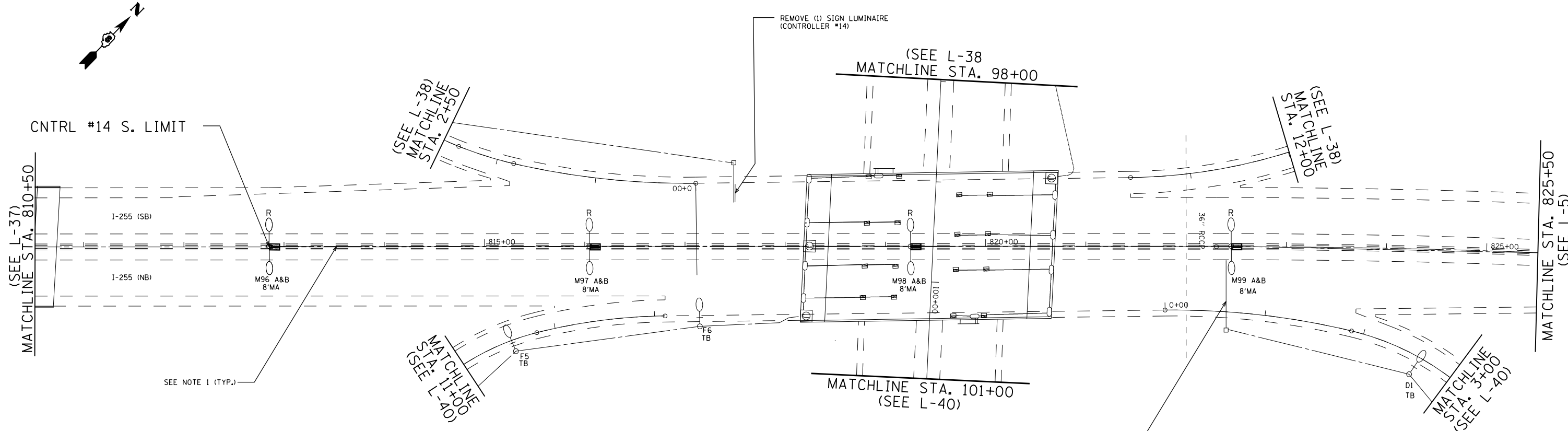
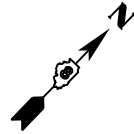
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAPS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\D876E13\DRAWING\CAD\sheets\D876E13-sht-11ght.dgn		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	255	82-(3,2)RS	ST. CLAIR	280	116
		DATE -	REVISED -						CONTRACT NO. 76E13					
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

(SEE L-40)
MATCHLINE
STA. 113+50



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER #15 REMOVAL SHT. 1 OF 3			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					255	82-(3,2)RS	ST. CLAIR	280	117
	PLOT DATE = 8/13/2019	CHECKED -	REVISED -					CONTRACT NO. 76E13				
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

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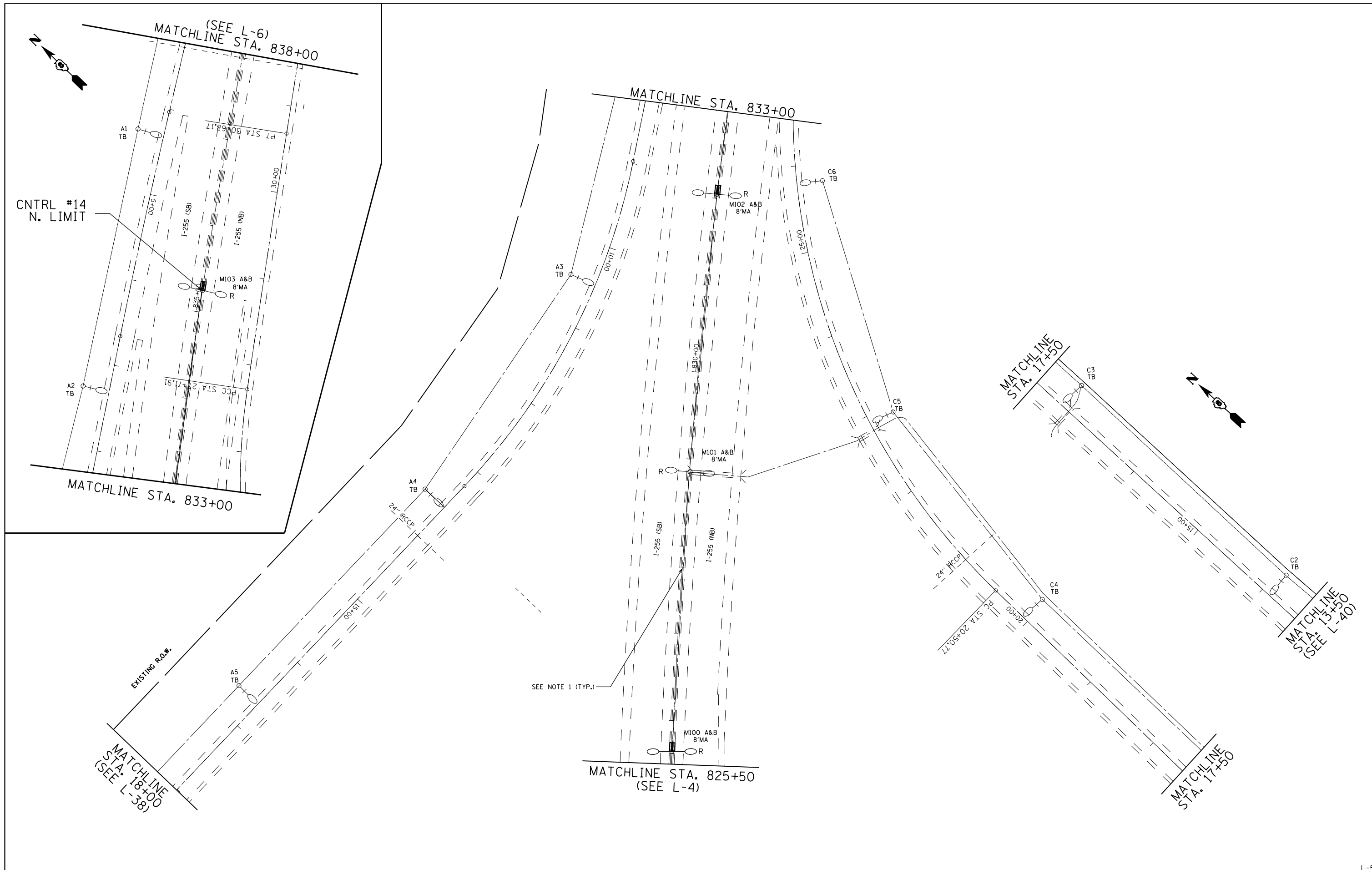
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

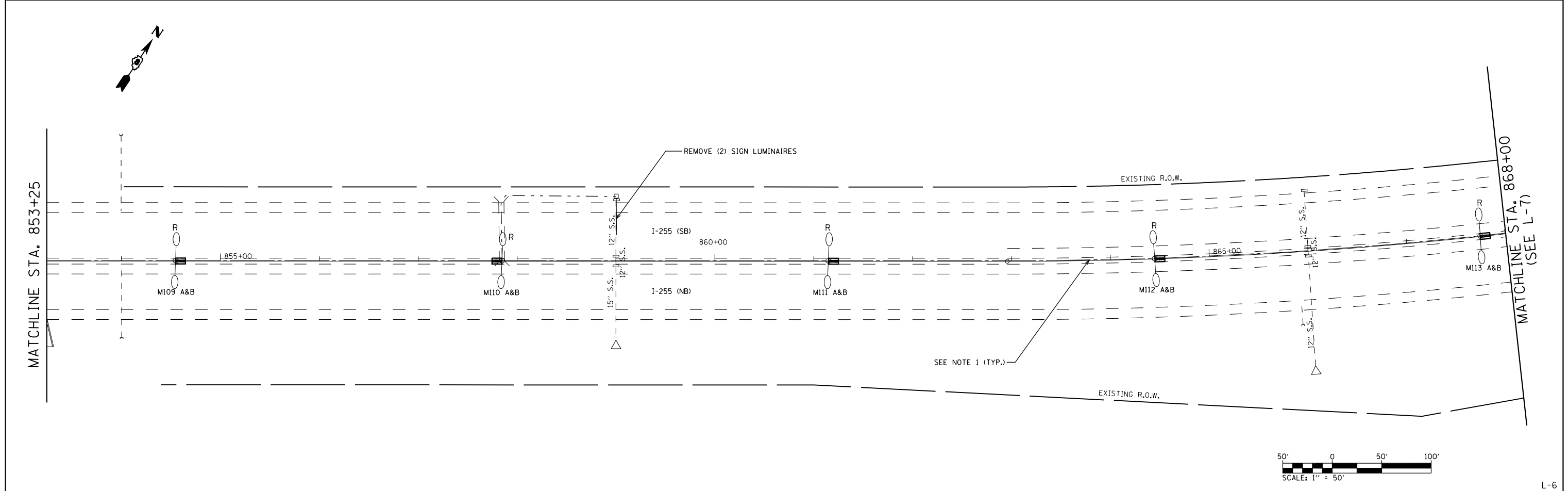
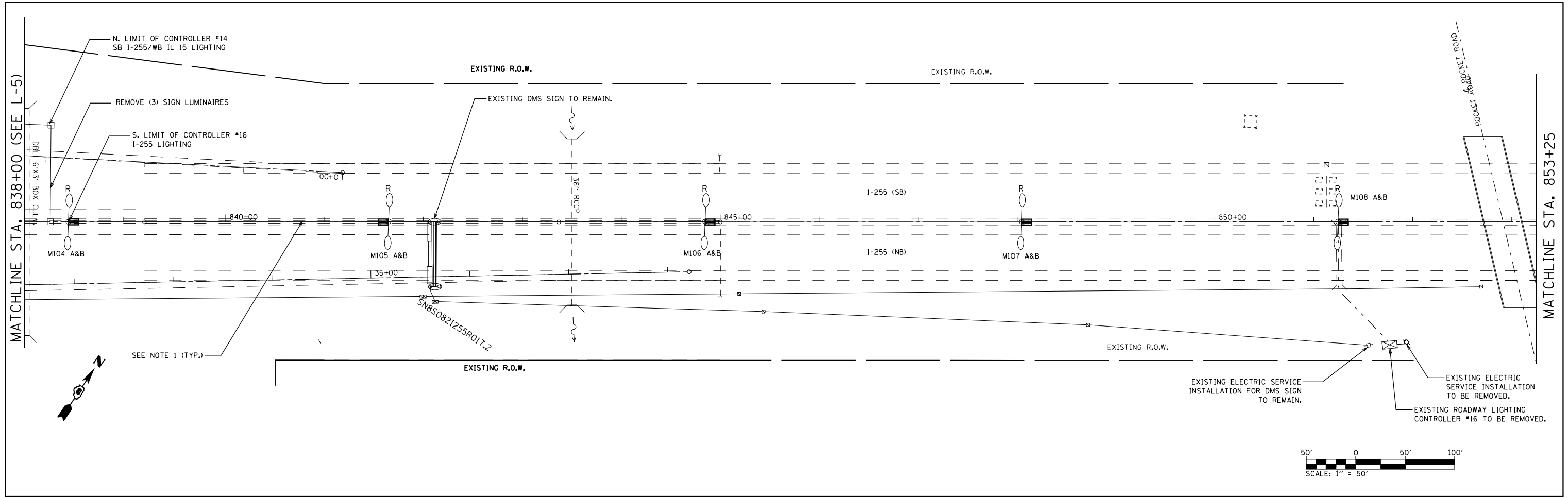
CONTROLLER #15 REMOVAL SHT. 2 OF 3

SCALE: SHEET NO. OF SHEETS STA. TO STA.

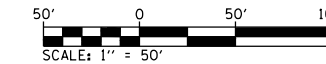
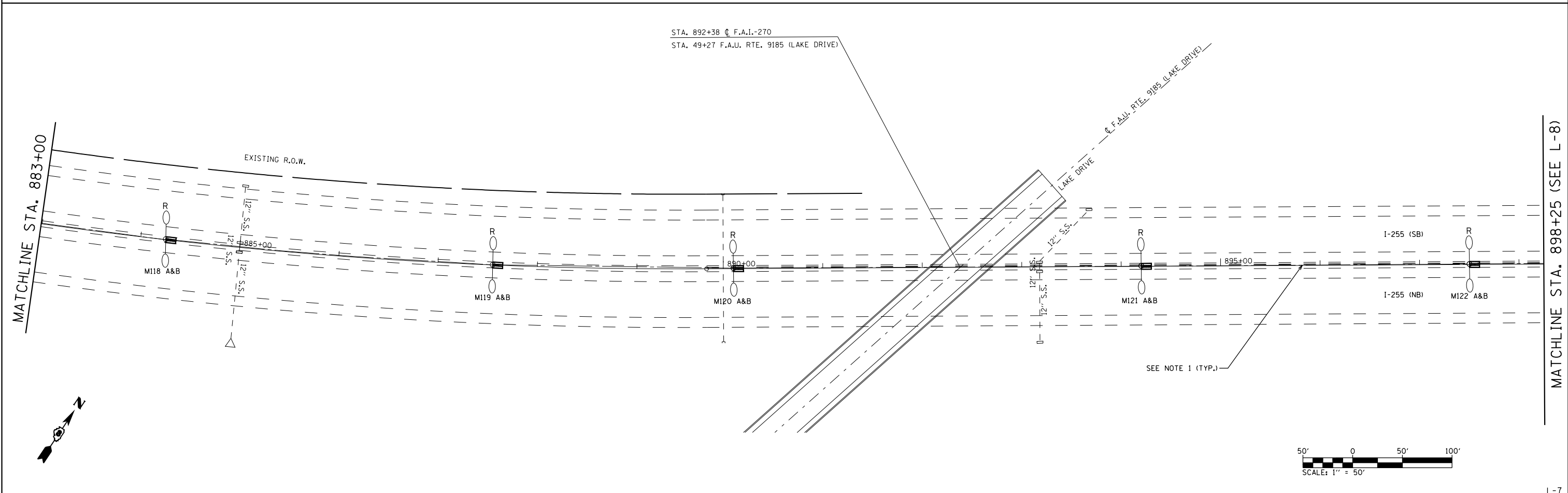
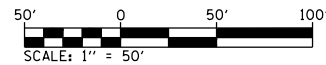
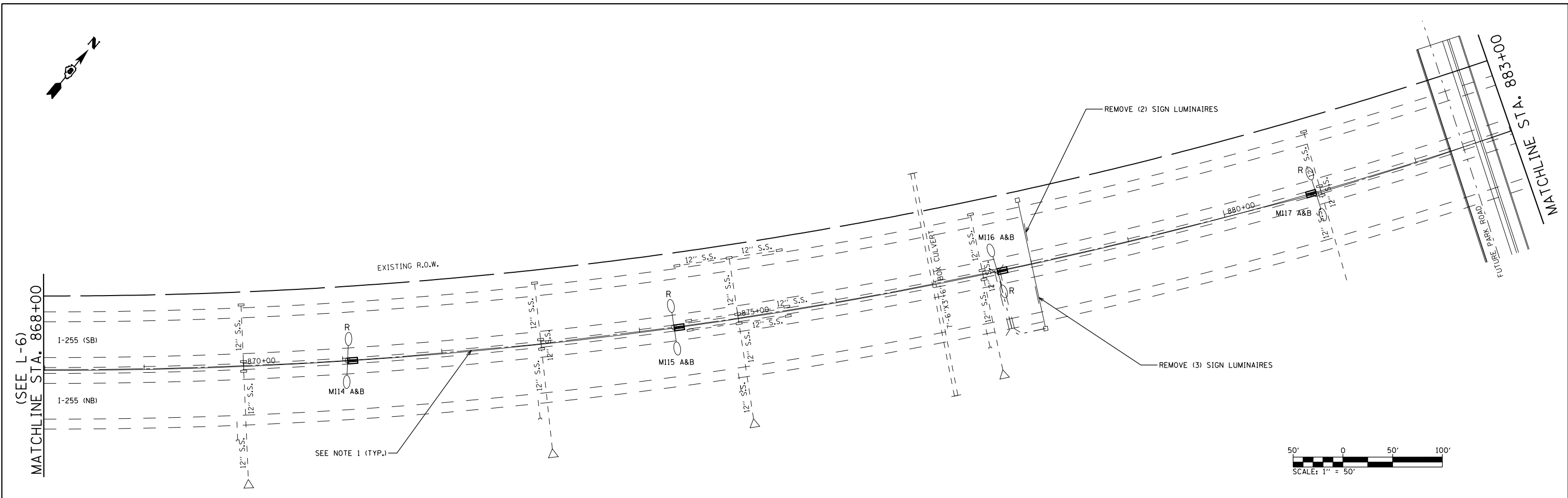
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	118
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER #15 REMOVAL SHT. 3 OF 3			F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 119
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76E13		
	PLOT DATE = 8/13/2019	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 REMOVAL SHT. 1A & 1B OF 5				F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 120
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	CONTRACT NO. 76E13				
	PLOT DATE = 8/13/2019	DATE	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
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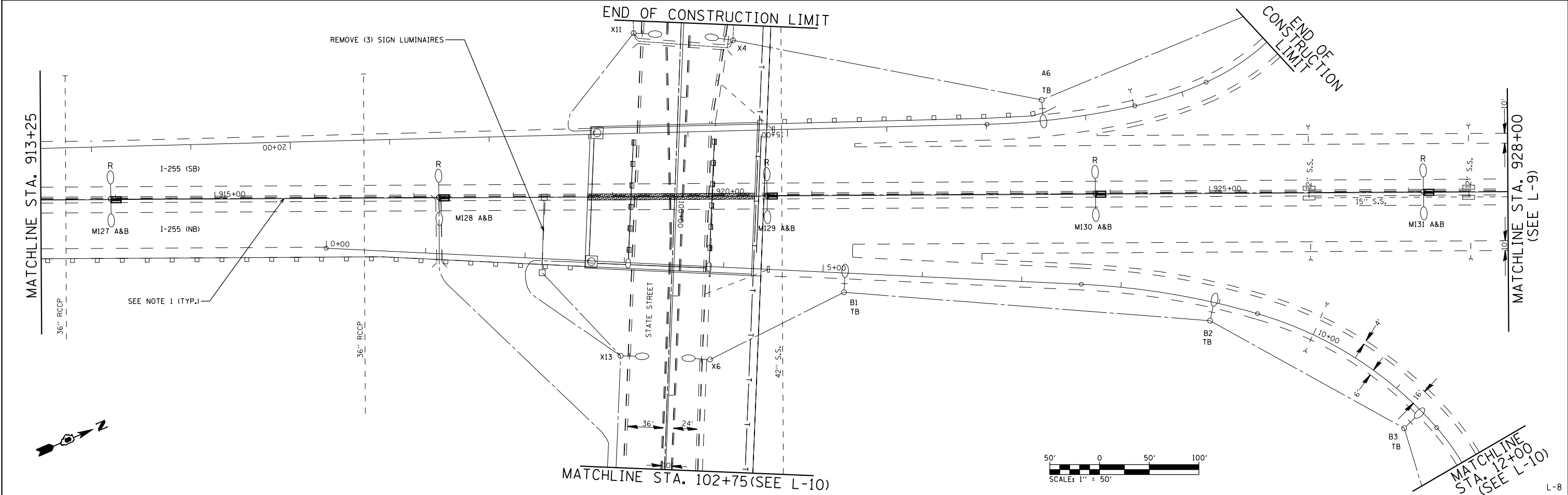
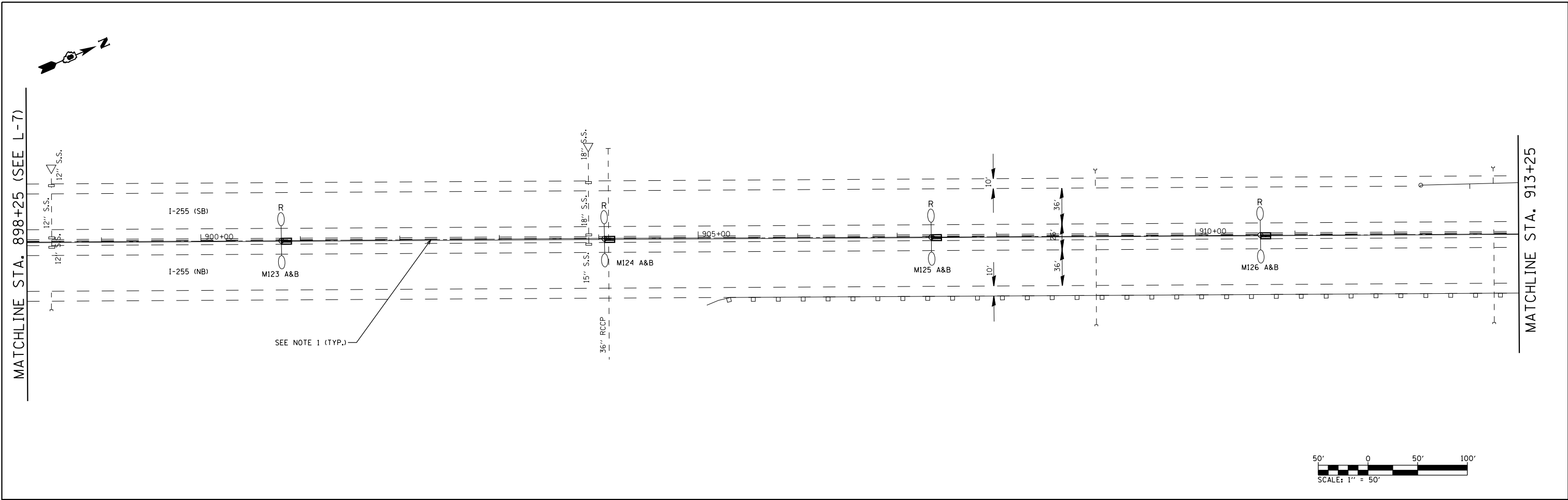
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76E13			
PLOT DATE = 8/13/2019	DATE -	REVISED -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

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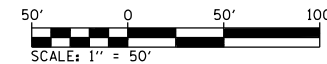
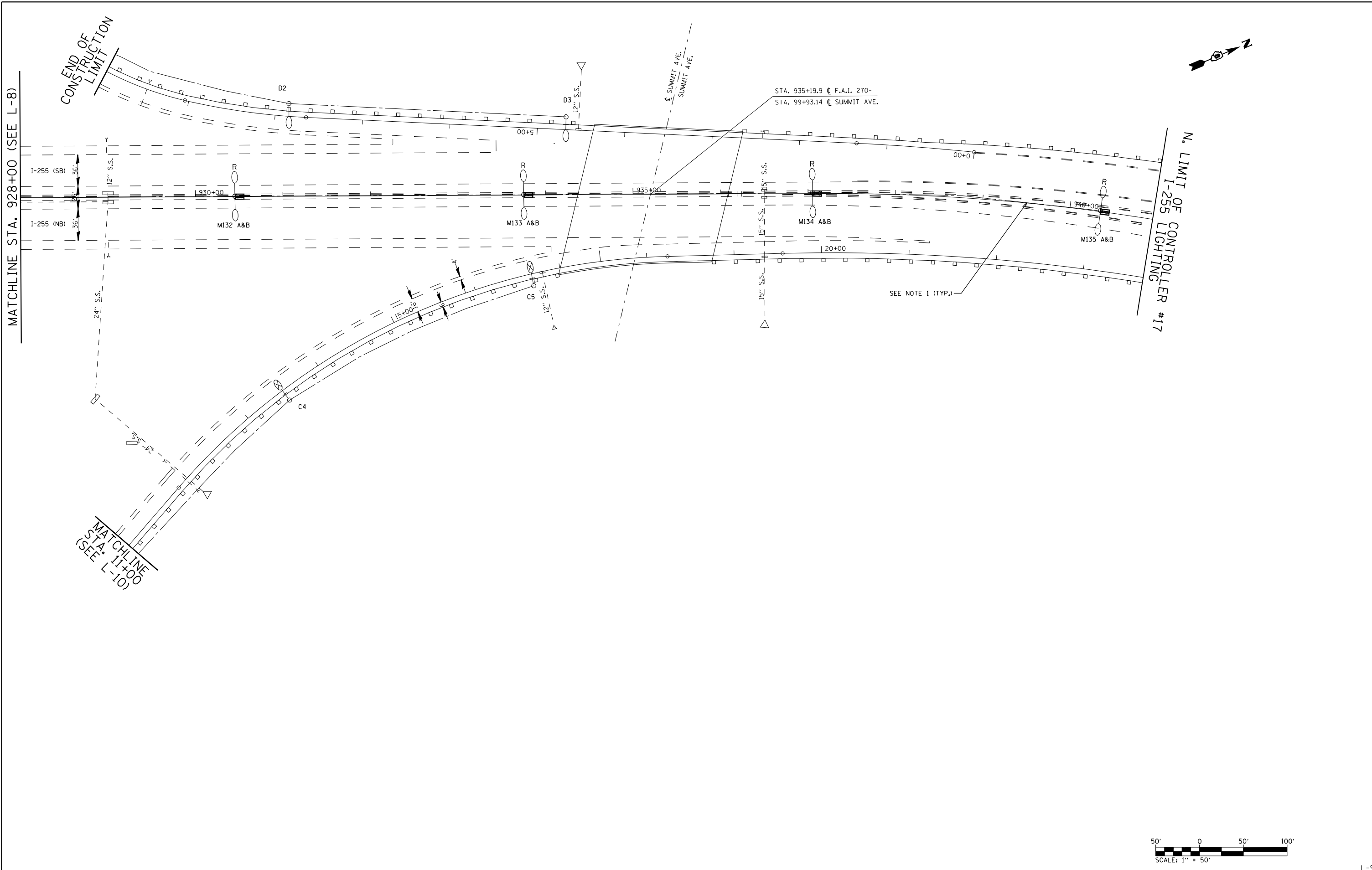
(SEE L-6)
MATCHLINE STA. 868+00

MATCHLINE STA. 888+00

MATCHLINE STA. 883+00



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 REMOVAL SHT. 3A & 3B OF 5			F.A.I. R.T.E. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 122	
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	PLOT DATE = 8/13/2019	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
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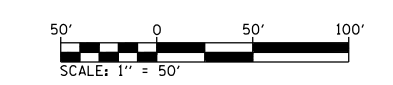
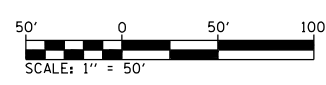
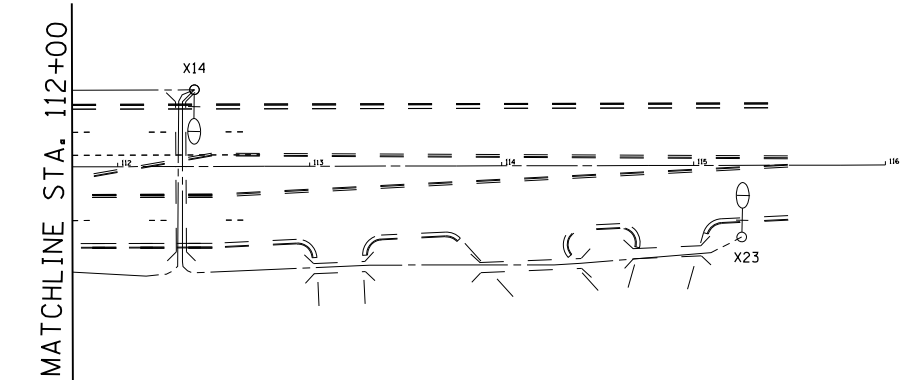
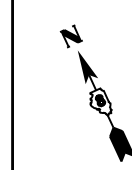
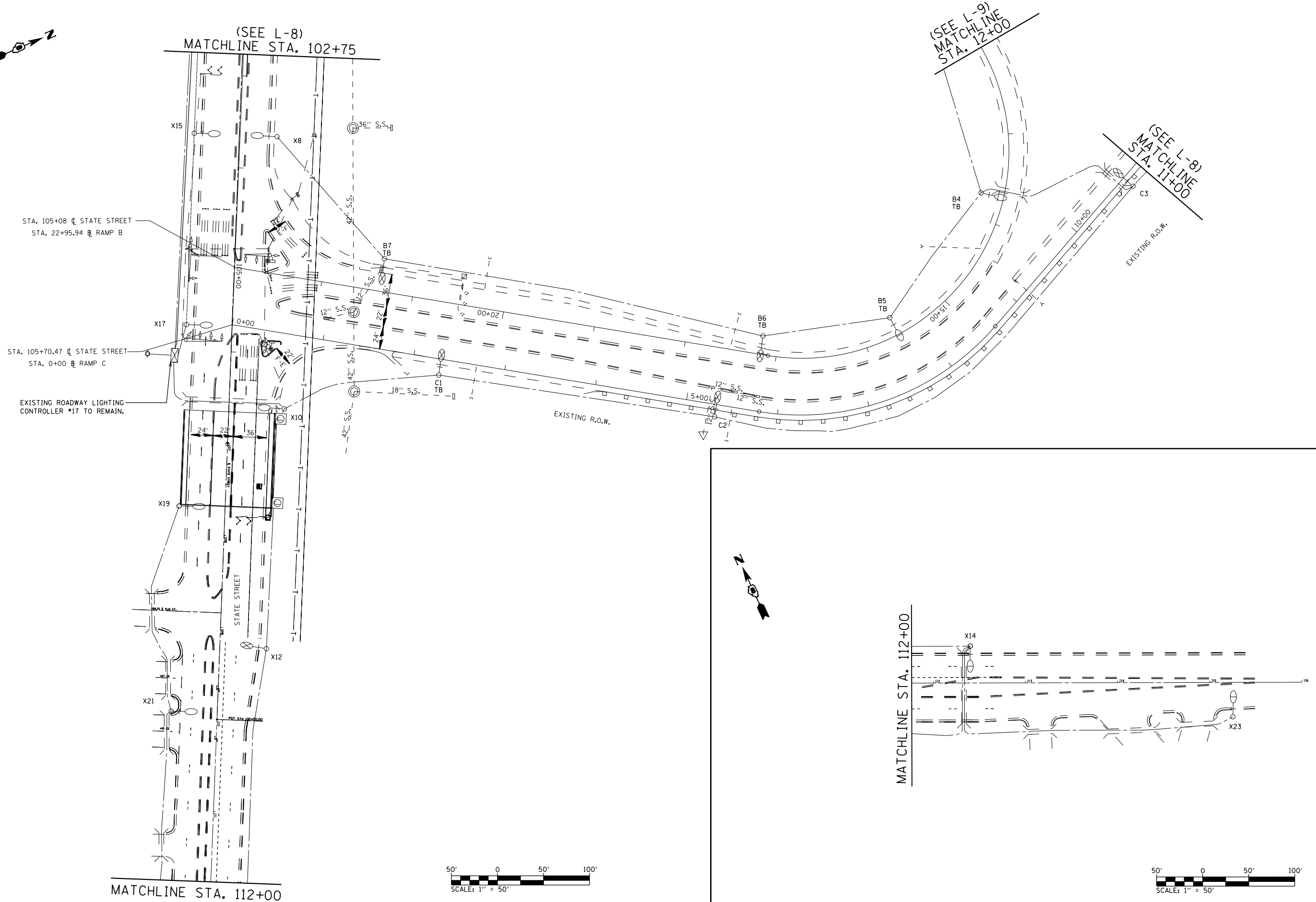
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

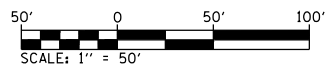
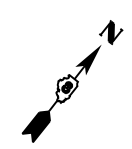
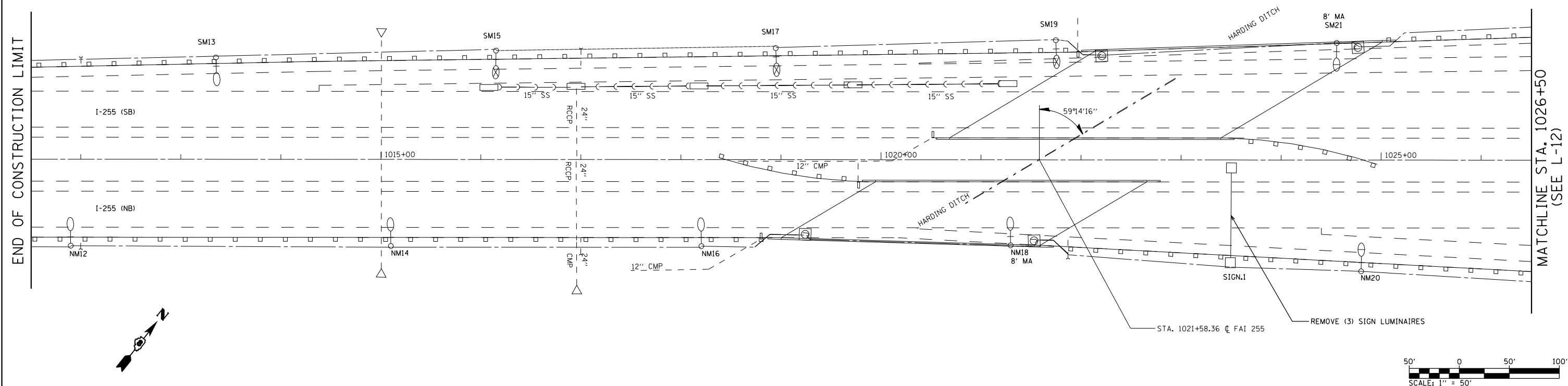
**CONTROLLERS #16 & #17
REMOVAL SHT. 4 OF 5**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	123
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 REMOVAL SHT. 5 OF 5			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 124
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13				
	PLOT DATE = 8/13/2019	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
								SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

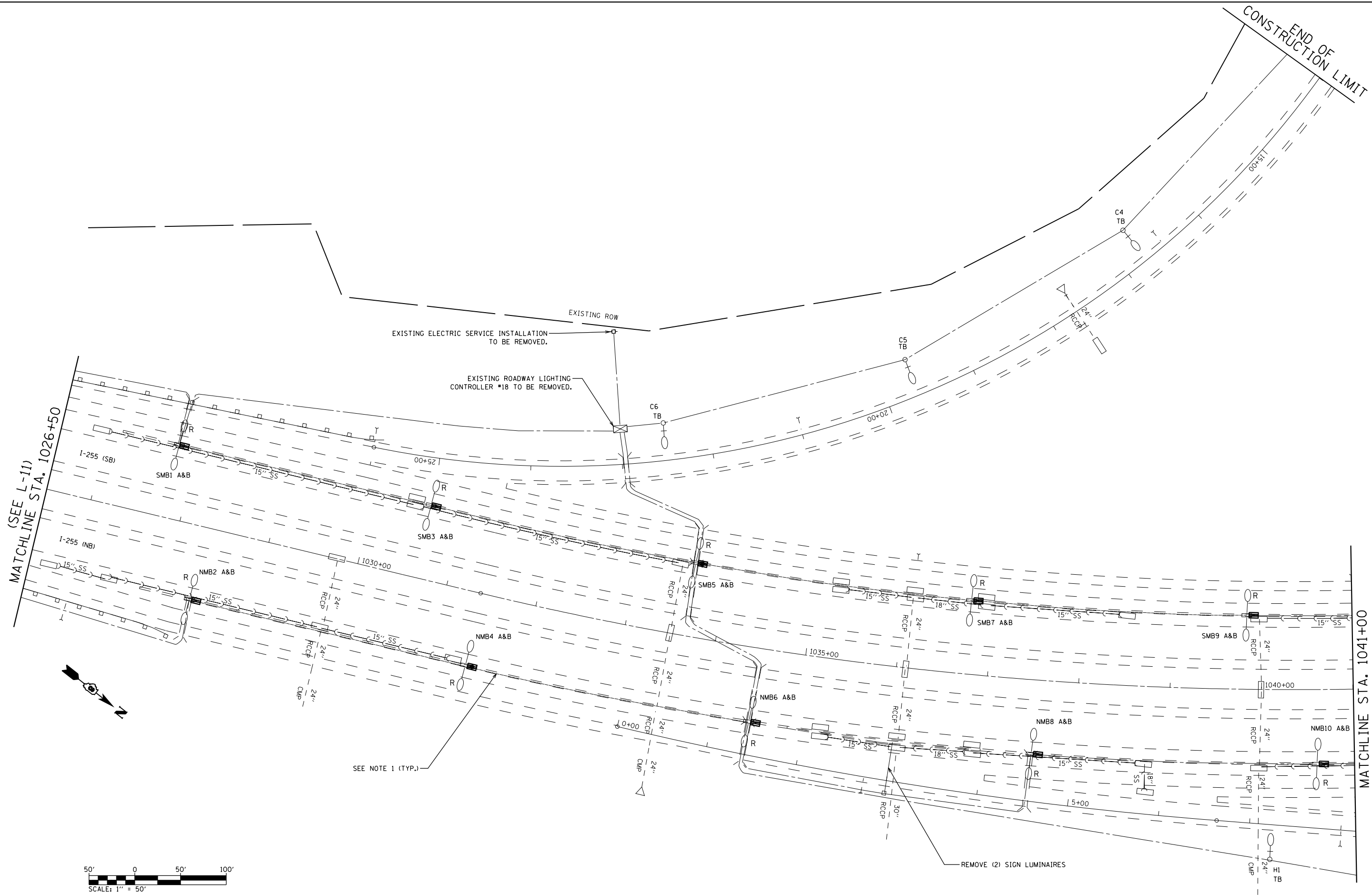
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19
REMOVAL SHT. 1 OF 5**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	125
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

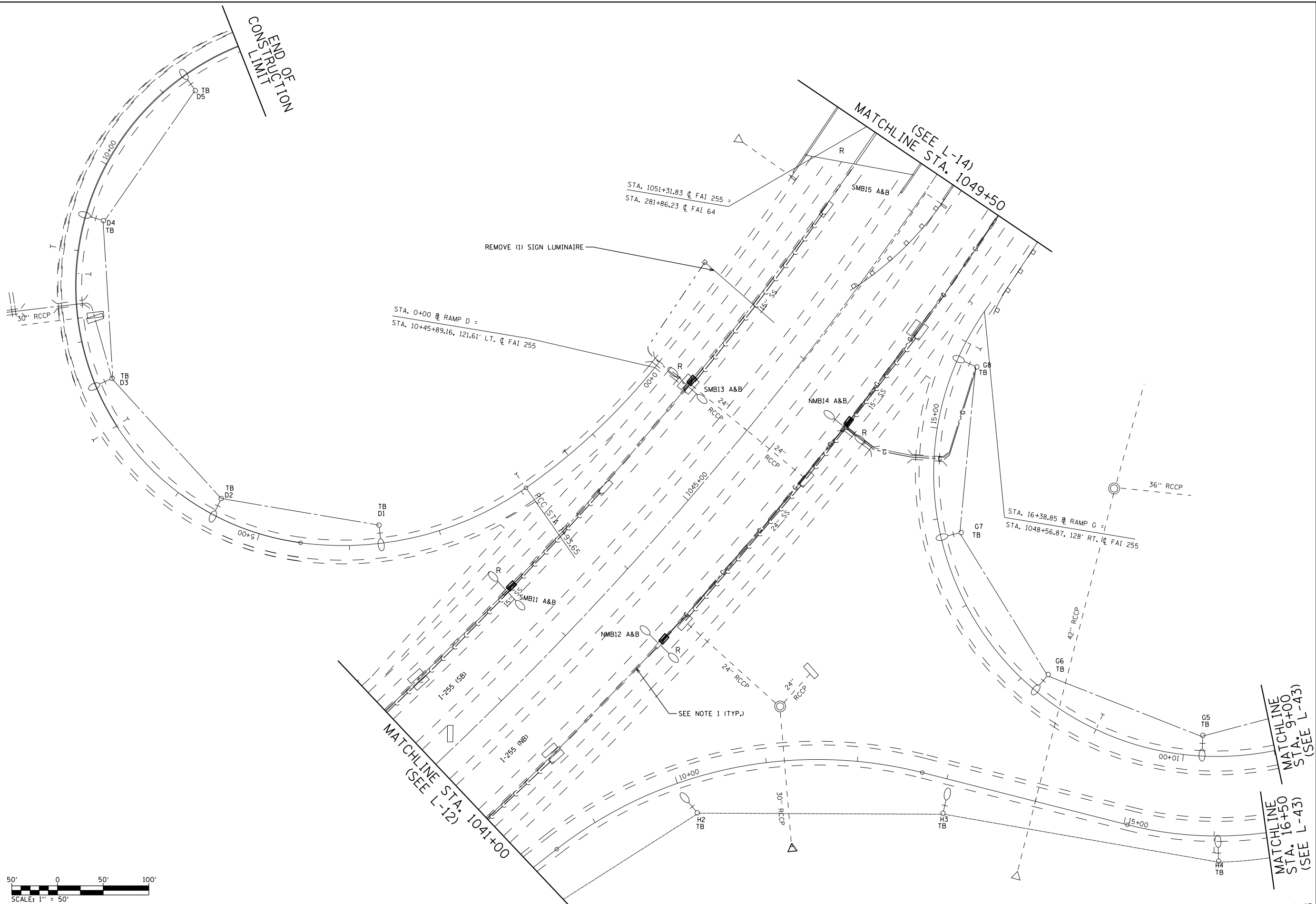
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19
REMOVAL SHT. 2 OF 5**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	126
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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CONSTRUCT
LIMIT

MATCHLINE (SEE L-14)
STA. 1049+50

STA. 0+00 RAMP D =
STA. 10+45+89.16, 121.61' LT. C.FAI 255

STA. 1051+31.83 C.FAI 255 =
STA. 281+86.23 C.FAI 64

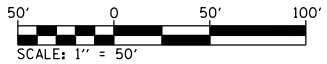
REMOVE (1) SIGN LUMINAIRE

STA. 16+38.85 RAMP G =
STA. 1048+56.87, 128' RT. C.FAI 255

MATCHLINE STA. 1041+00
(SEE L-12)

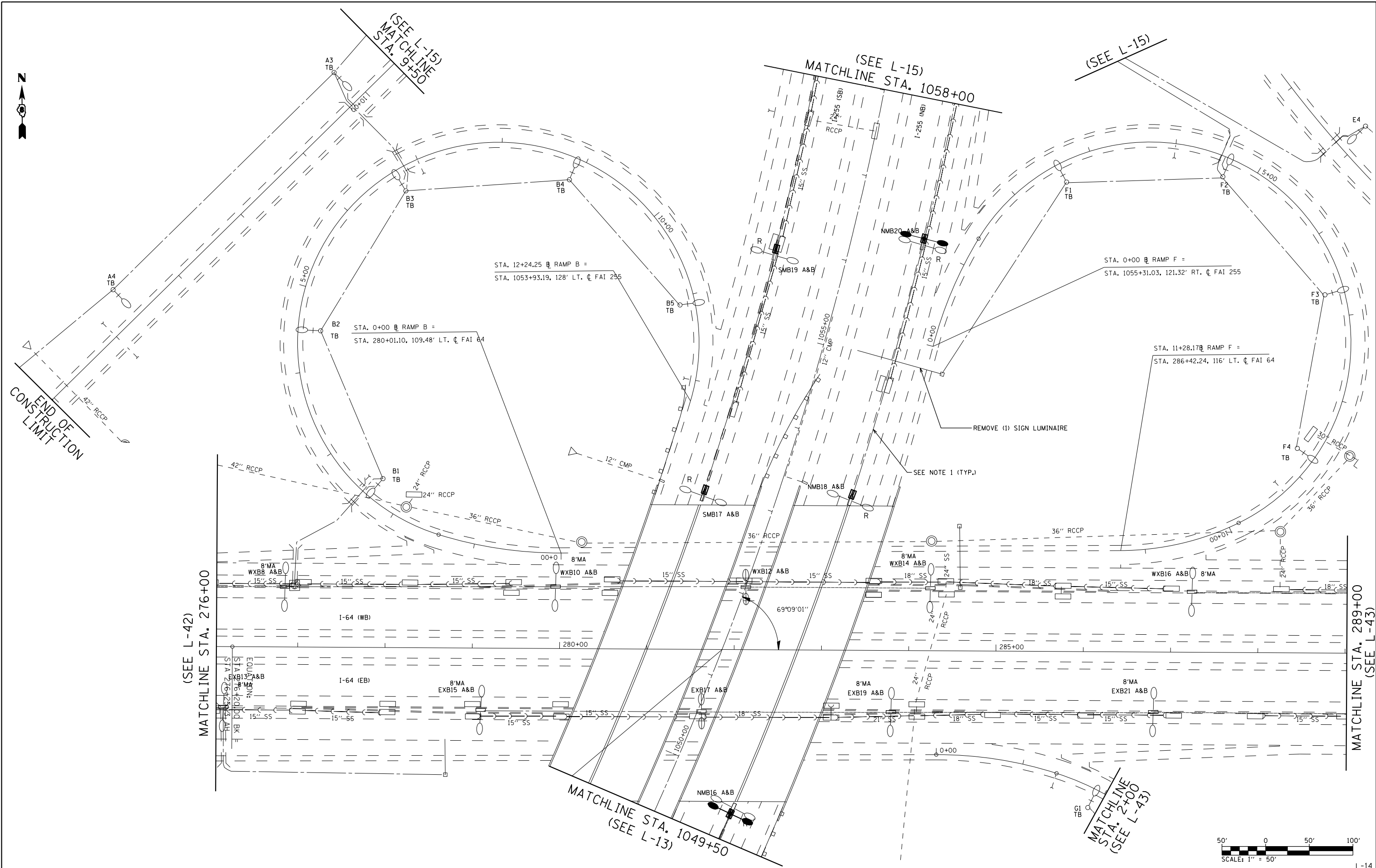
MATCHLINE
STA. 9+00
(SEE L-43)

MATCHLINE
STA. 16+50
(SEE L-43)



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #18 & #19 REMOVAL SHT. 3 OF 5			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 127
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 8/13/2019	DATE -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

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FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #18 & #19 REMOVAL SHT. 4 OF 5			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 128
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT =			
	PLOT DATE = 8/13/2019	DATE -	REVISED -					CONTRACT NO. 76E13				
	SCALE: SHEET NO. OF SHEETS STA. TO STA.											

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(SEE L-14)
MATCHLINE
STA. 9+50

EXISTING ELECTRIC SERVICE INSTALLATION
TO BE REMOVED.

EXISTING ROADWAY LIGHTING
CONTROLLER #19 TO BE REMOVED.



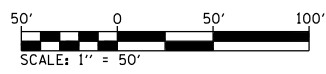
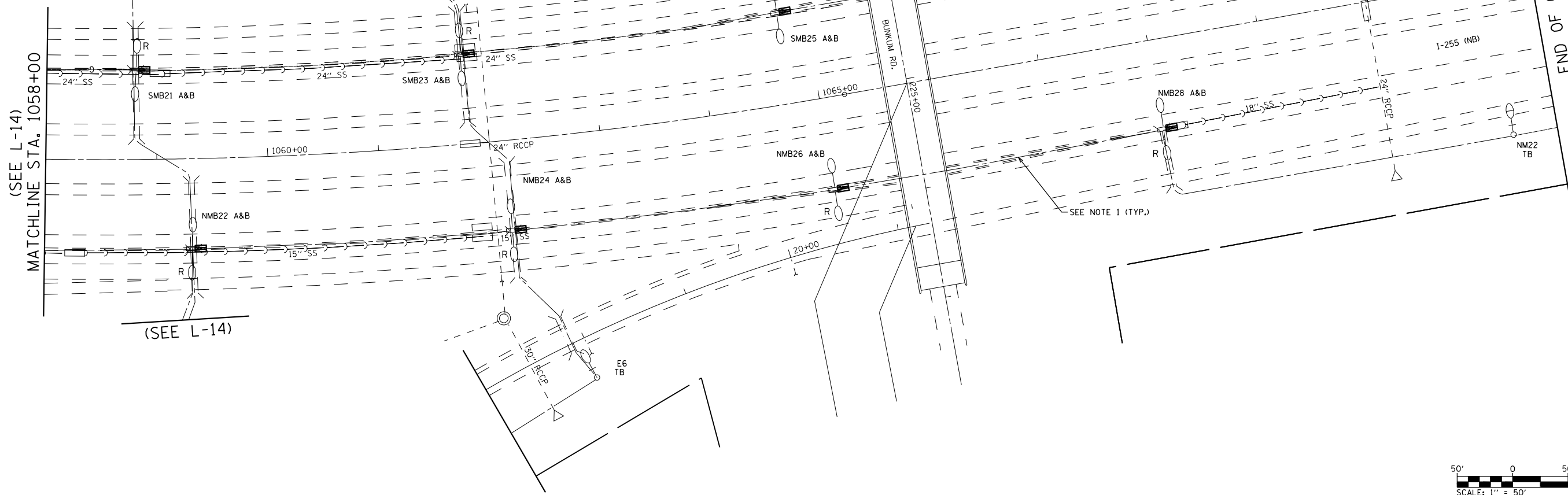
(SEE L-14)
MATCHLINE STA. 1058+00

(SEE L-14)

STA. 0+00 @ RAMP A =
STA. 1066+00 @ 134' L.T. @ FAI 255

REMOVE (2) SIGN LUMINAIRES

END OF CONSTRUCTION LIMIT



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

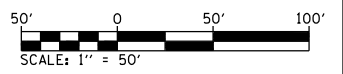
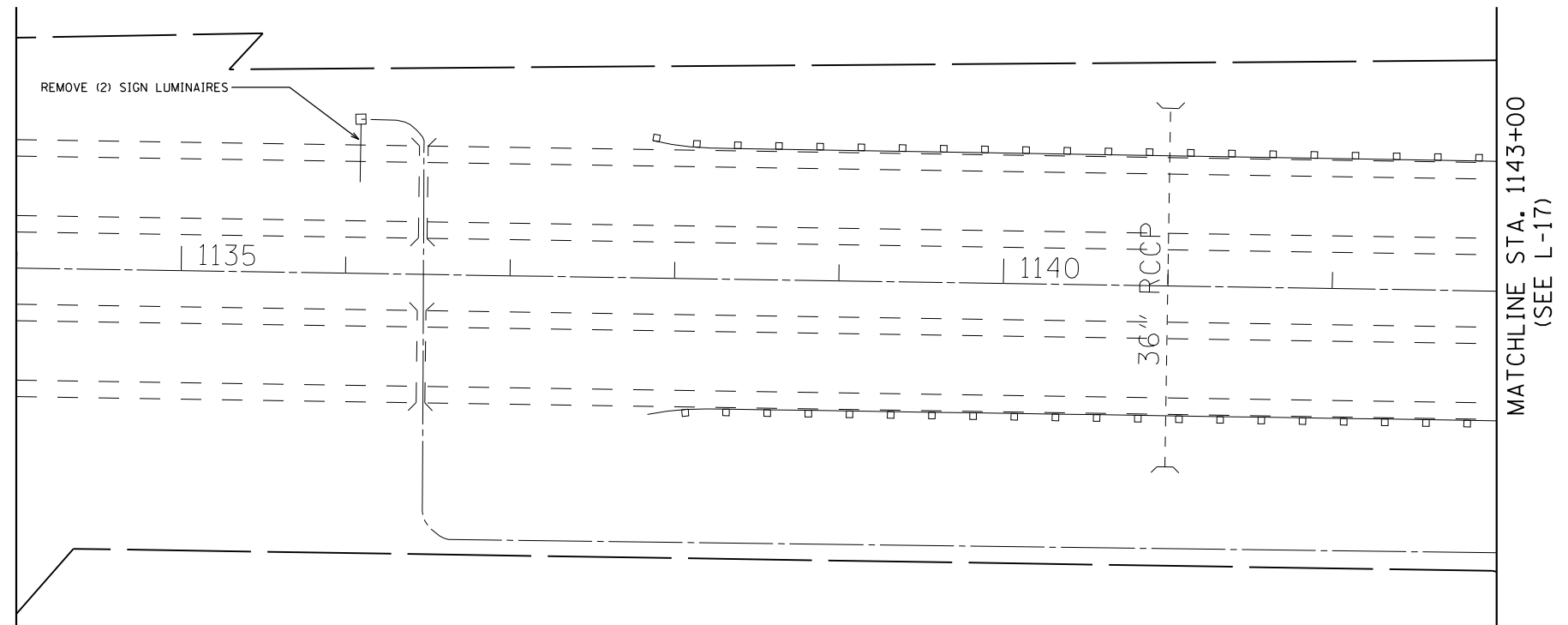
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19
REMOVAL SHT. 5 OF 5**

F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 129
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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MATCHLINE STA. 1143+00
(SEE L-17)

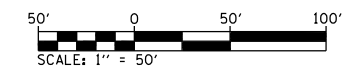
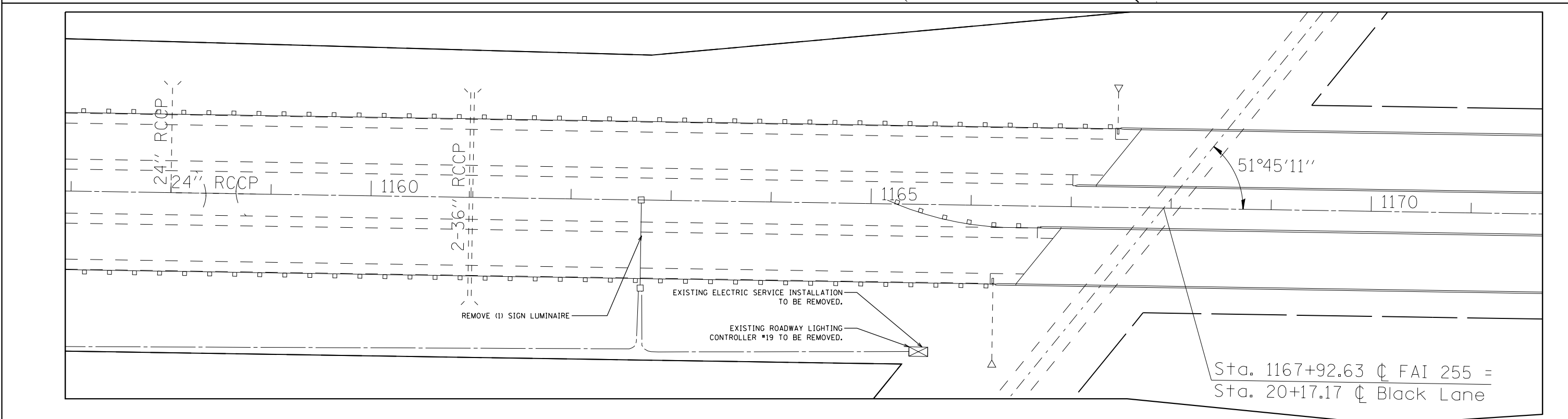
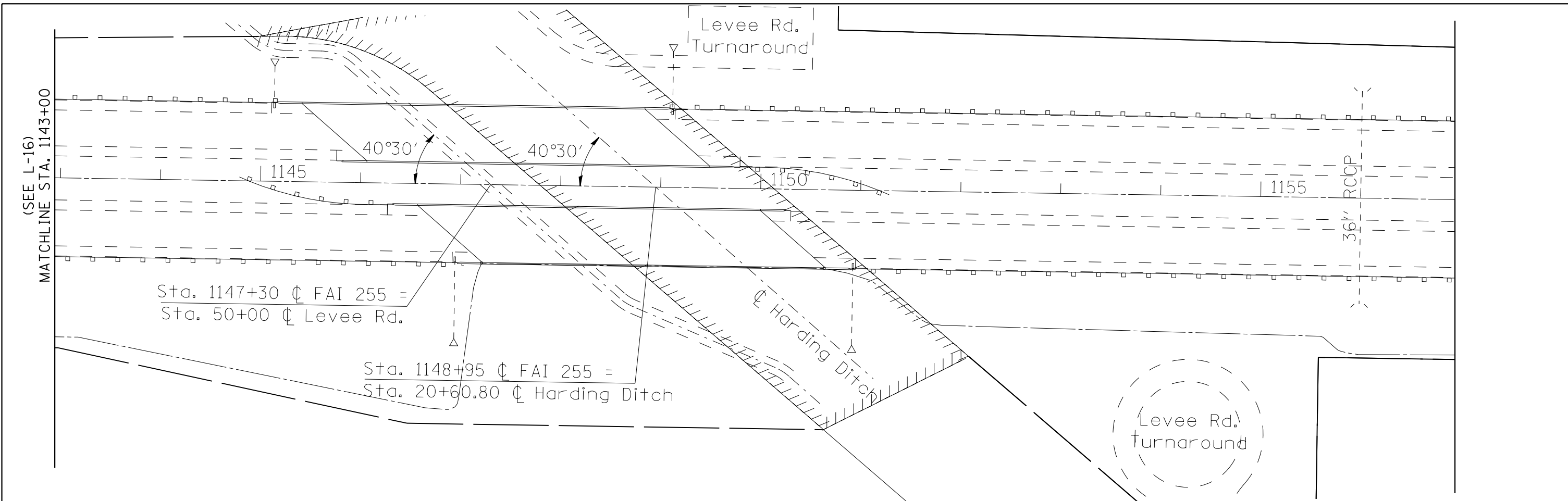
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	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 8/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BLACK LANE CONTROLLER
REMOVAL SHT. 1 OF 2**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	130
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76E13	



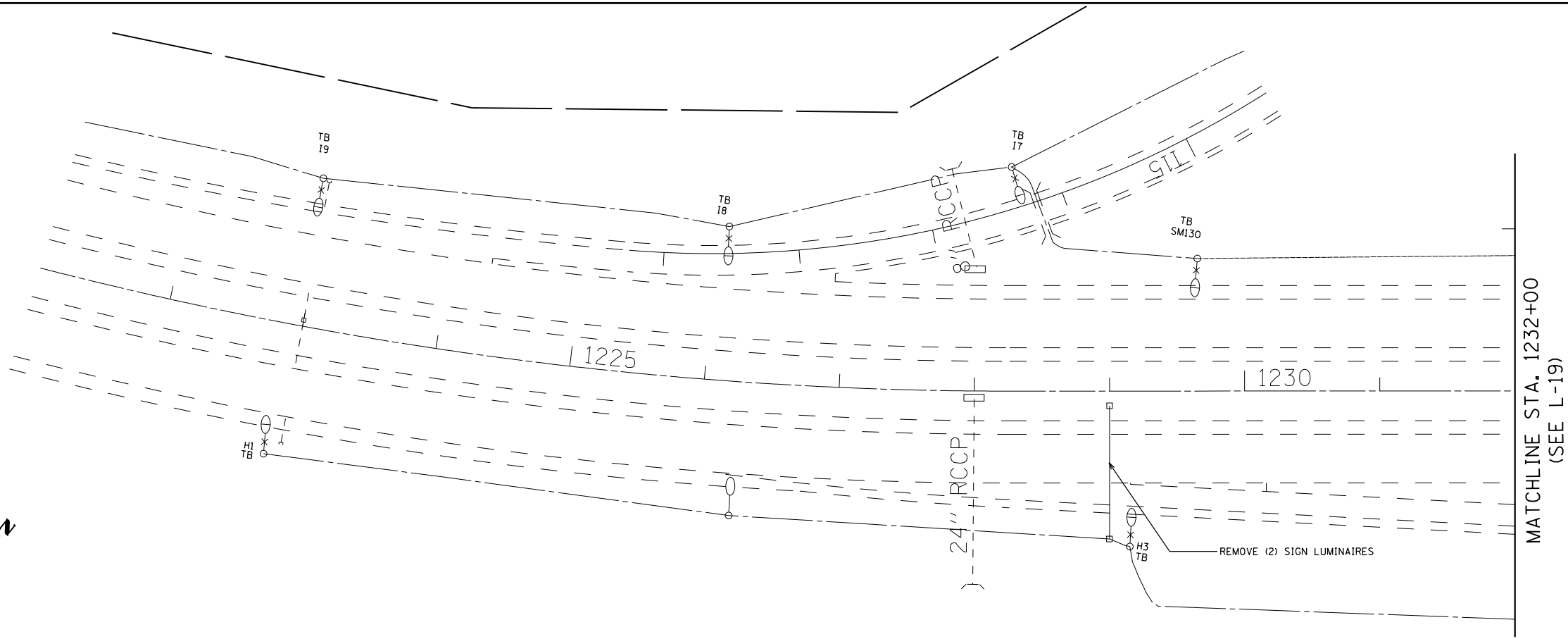
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 8/13/2019	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

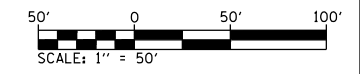
**BLACK LANE CONTROLLER
REMOVAL SHT. 2 OF 2**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	131
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 1232+00
(SEE L-19)



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

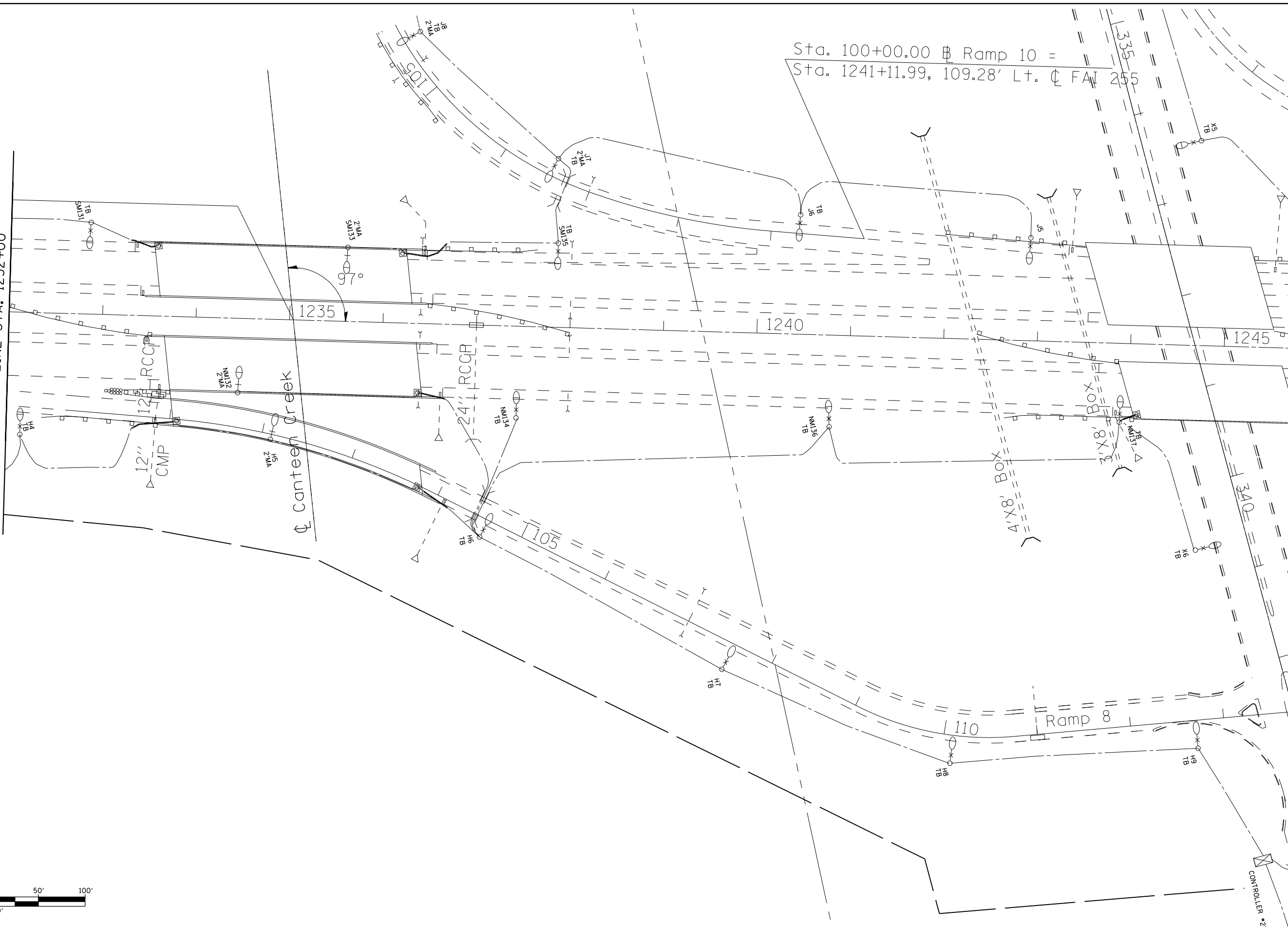
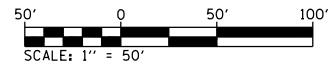
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROLLERS #21 REMOVAL SHT. 1 OF 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	132
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

(SEE L-18)
MATCHLINE STA. 1232+00

Sta. 100+00.00 B Ramp 10 =
Sta. 1241+11.99, 109.28' Lt. C FAI 255



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #21
REMOVAL SHT. 2 OF 2**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	133
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

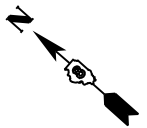
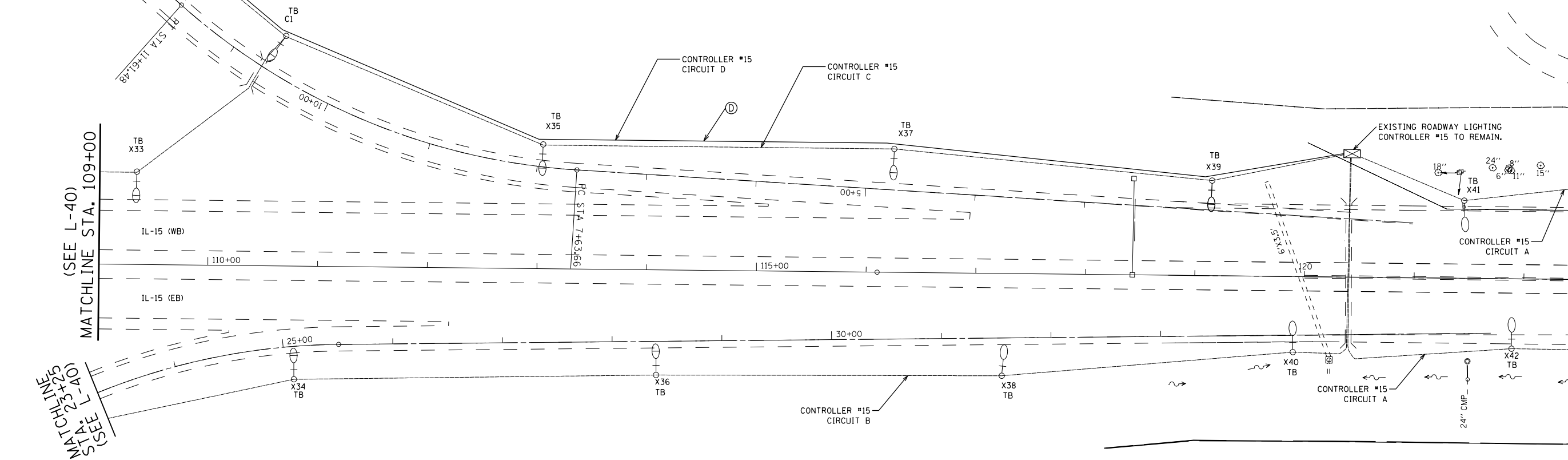
CONTROLLER #21
L-19

(SEE L-40)
MATCHLINE
STA. 13+50

(SEE L-40)
MATCHLINE STA. 109+00

MATCHLINE
STA. 23+25
(SEE L-40)

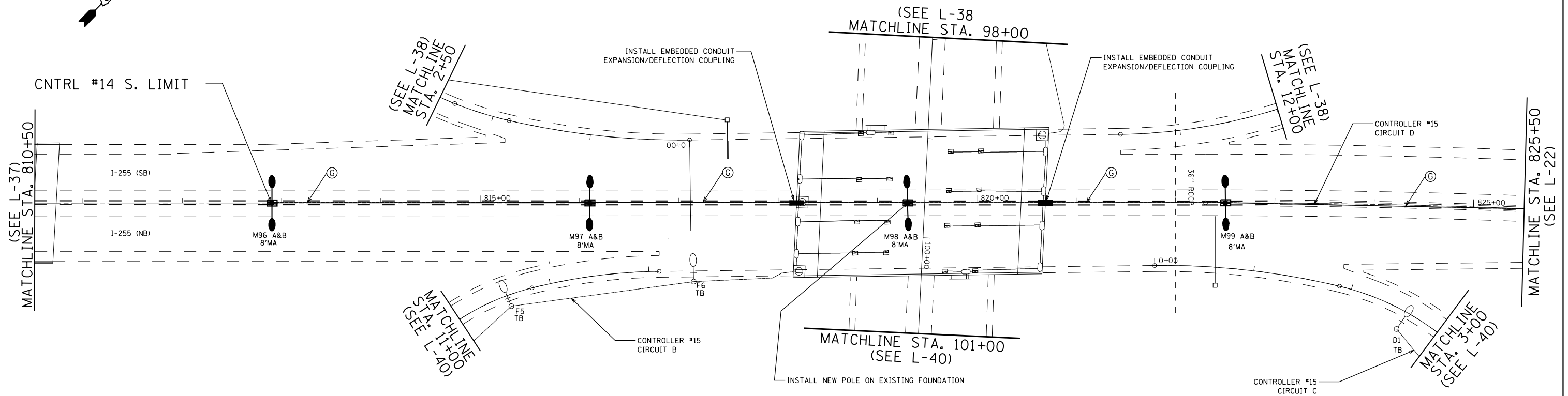
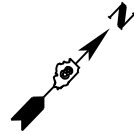
END OF CONSTRUCTION LIMIT



L-20

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER #15 INSTALLATION SHT. 1 OF 3			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 134
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13				
	PLOT DATE = 8/13/2019	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/14/2019	DATE -	REVISED -

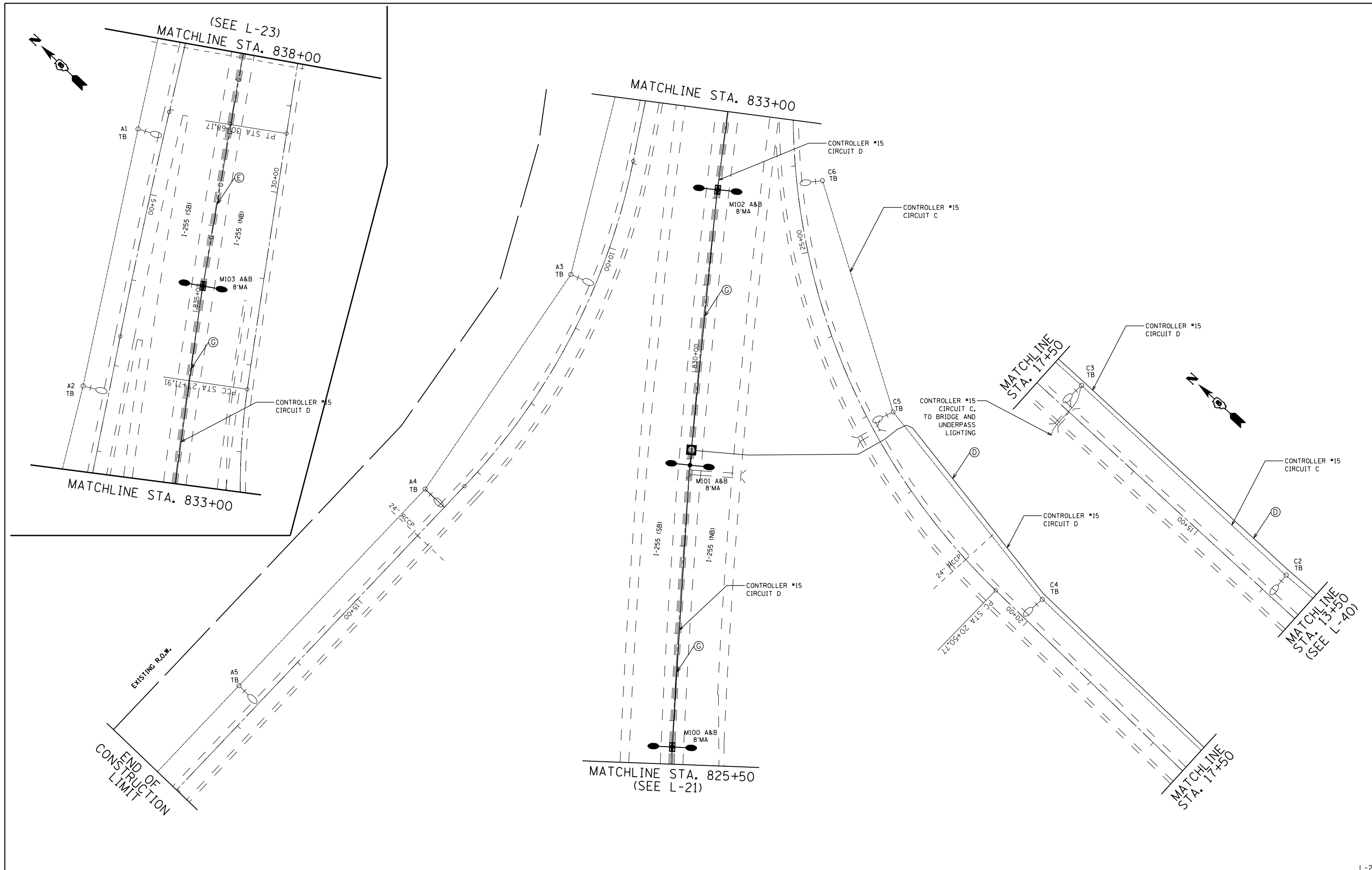
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROLLER #15 INSTALLATION SHT. 2 OF 3

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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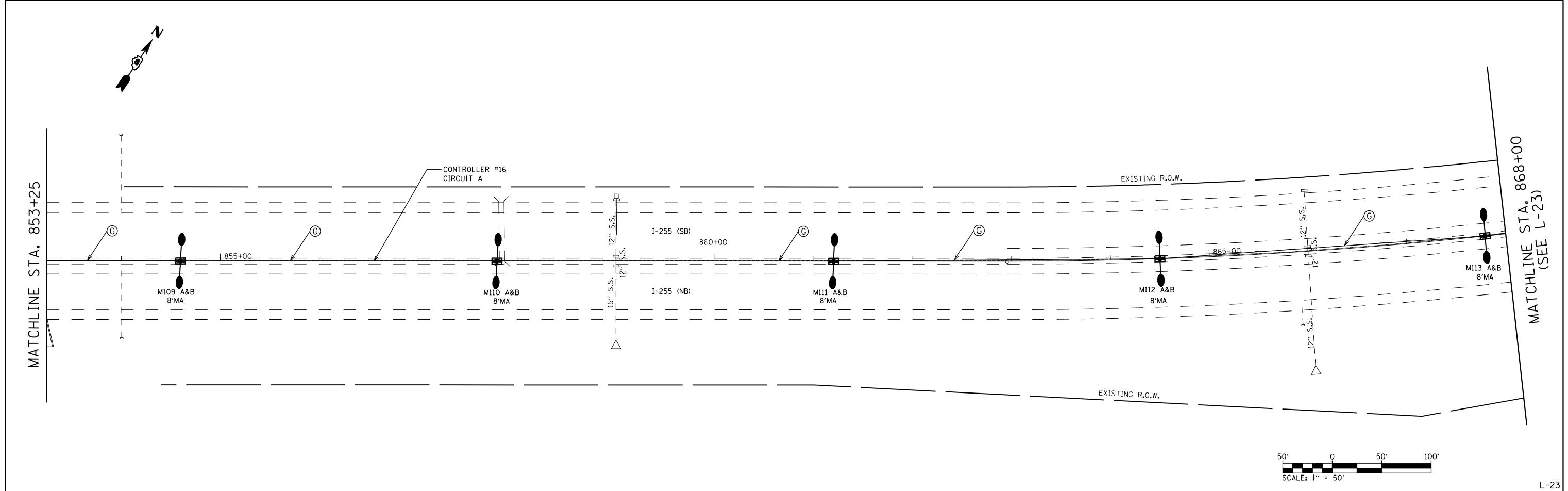
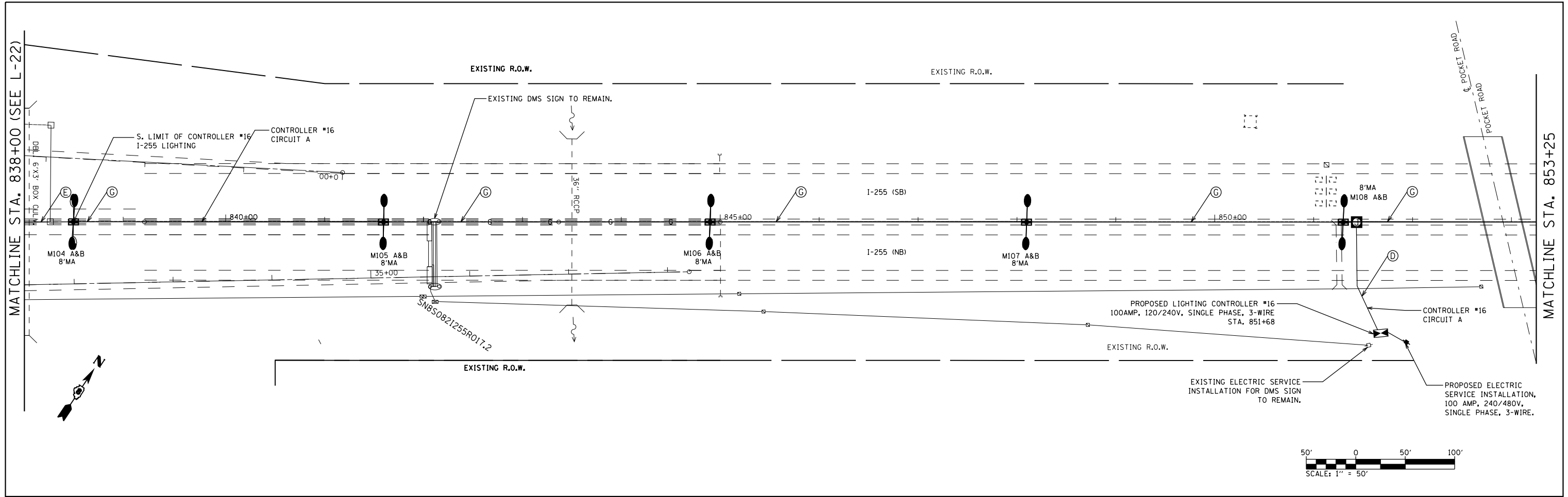
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	135
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76E13	

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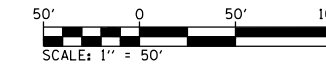
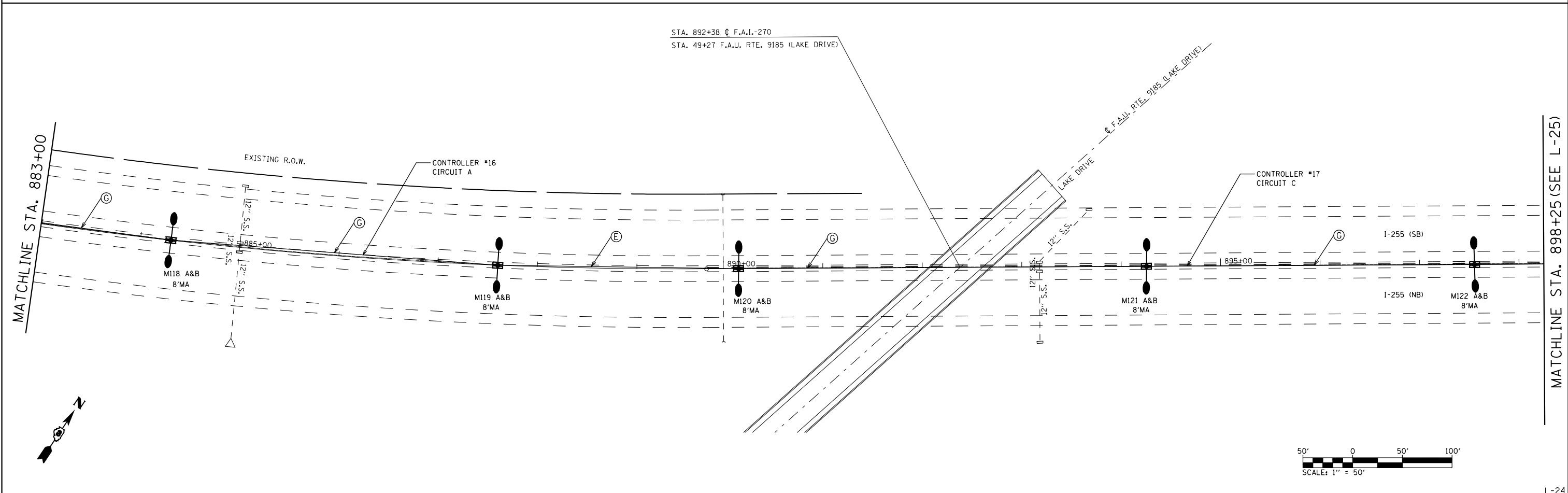
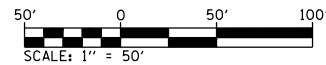
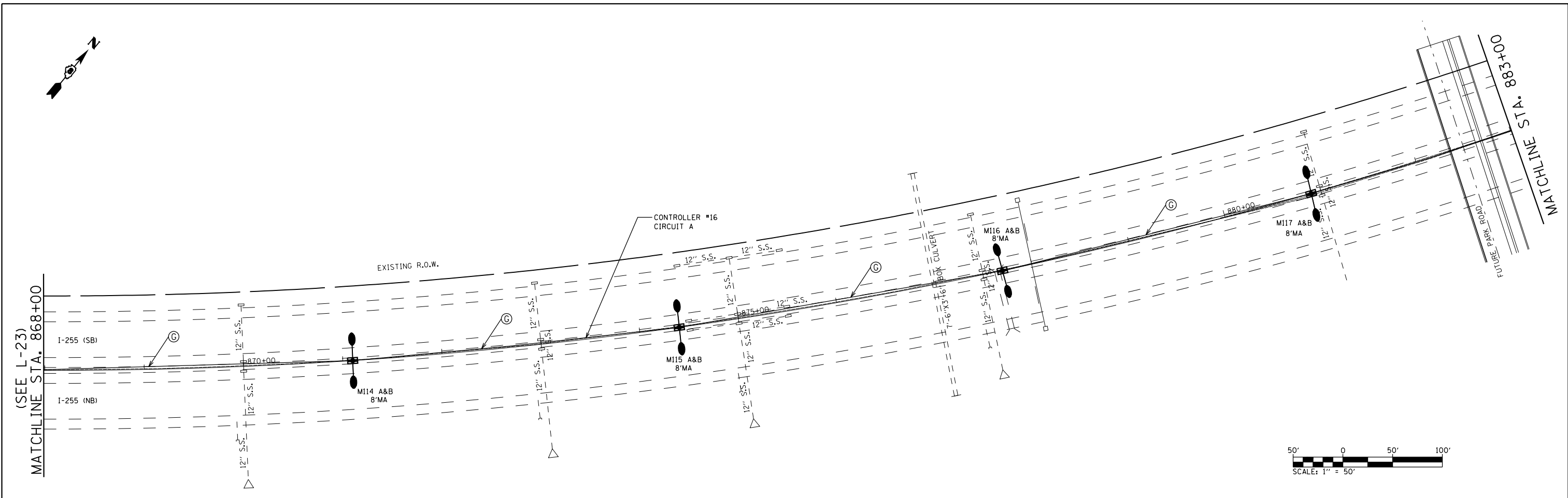
FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER #15 INSTALLATION SHT. 3 OF 3			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		255	82-(3,2)RS	ST. CLAIR	280	136	CONTRACT NO. 76E13			
	PLOT DATE = 8/13/2019	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -										

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FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 INSTALLATION SHT. 1A & 1B OF 5			F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 137
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76E13		
	PLOT DATE = 8/13/2019	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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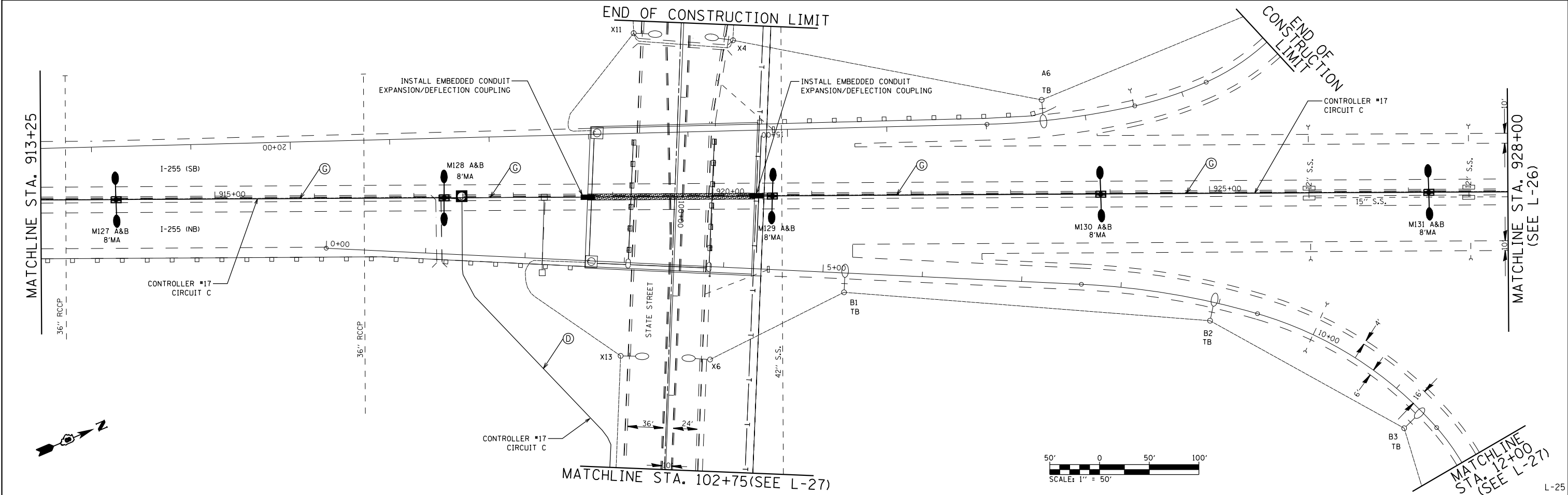
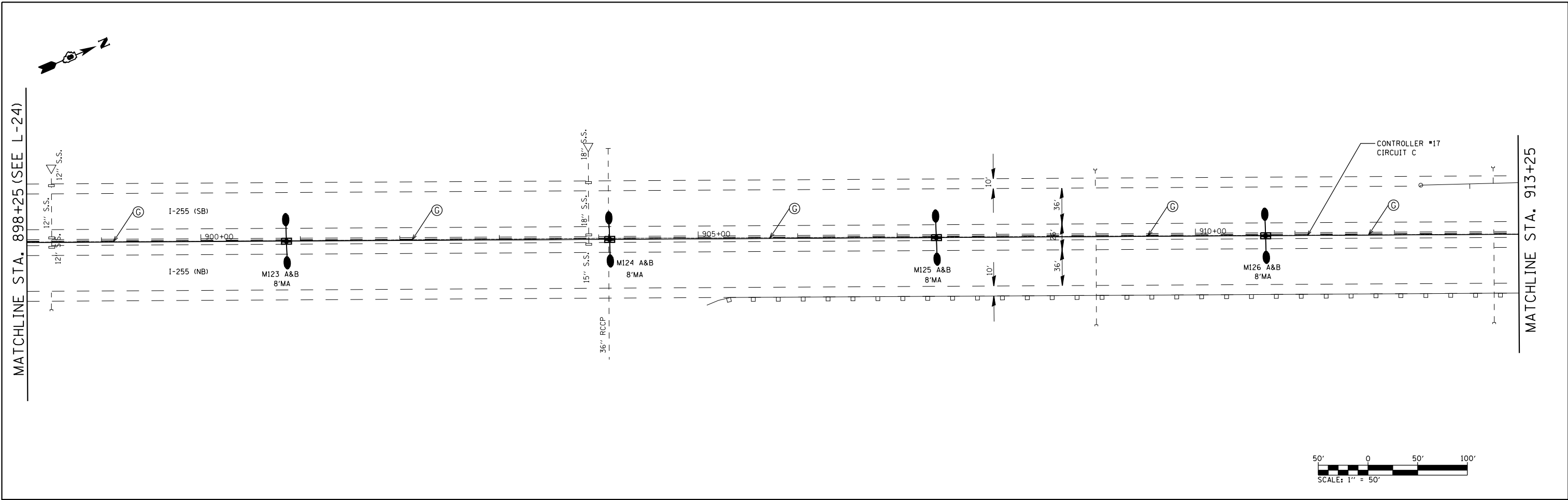


FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 INSTALLATION SHT. 2A & 2B OF 5			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 138
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	PLOT DATE = 8/13/2019	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

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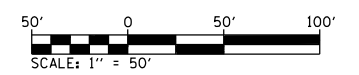
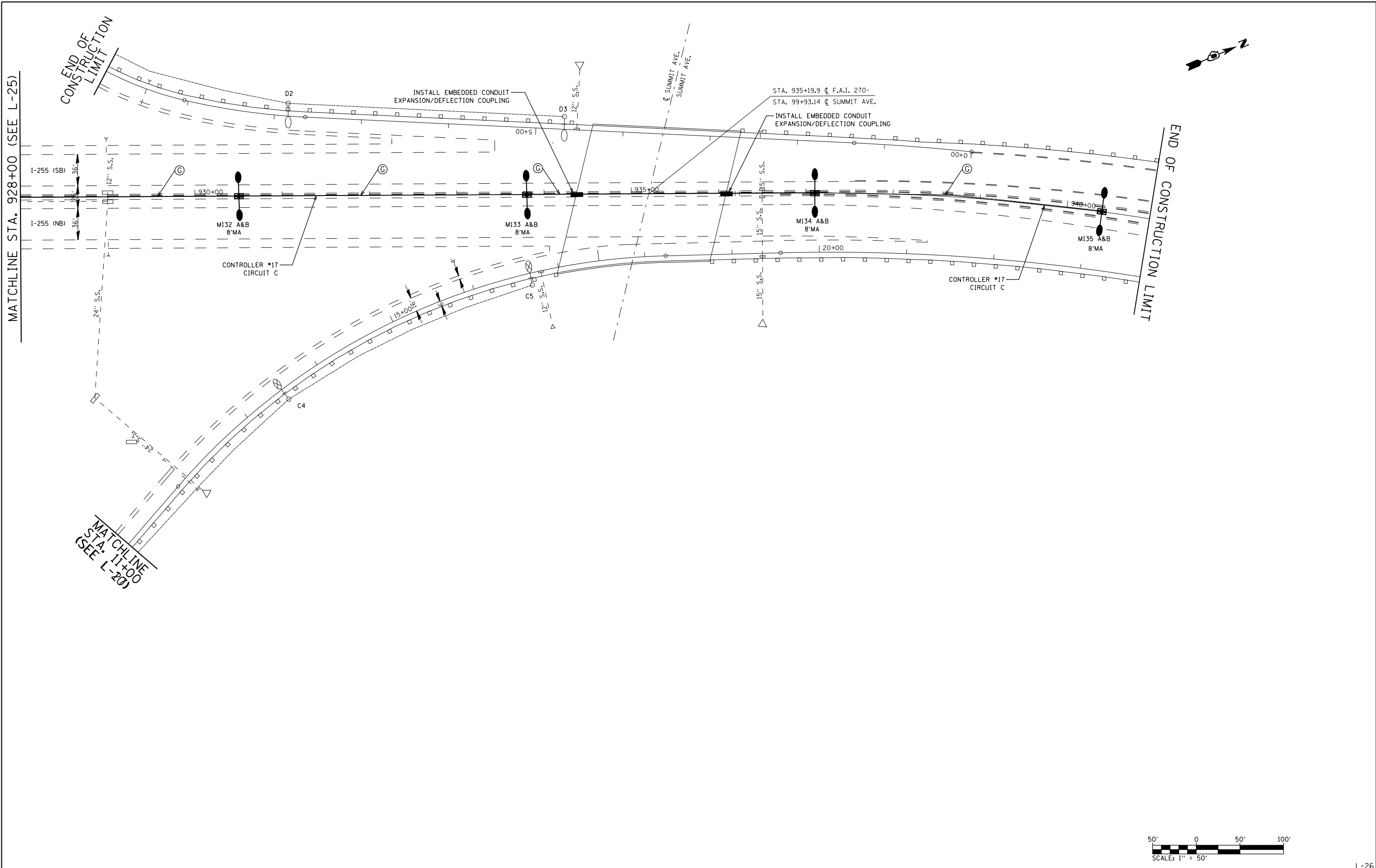
MATCHLINE STA. 898+25 (SEE L-25)

L-24



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #16 & #17 INSTALLATION SHT. 3A & 3B OF 5				F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	255	82-(3,2)RS	ST. CLAIR	280	139
		CHECKED -	REVISED -						CONTRACT NO. 76E13					
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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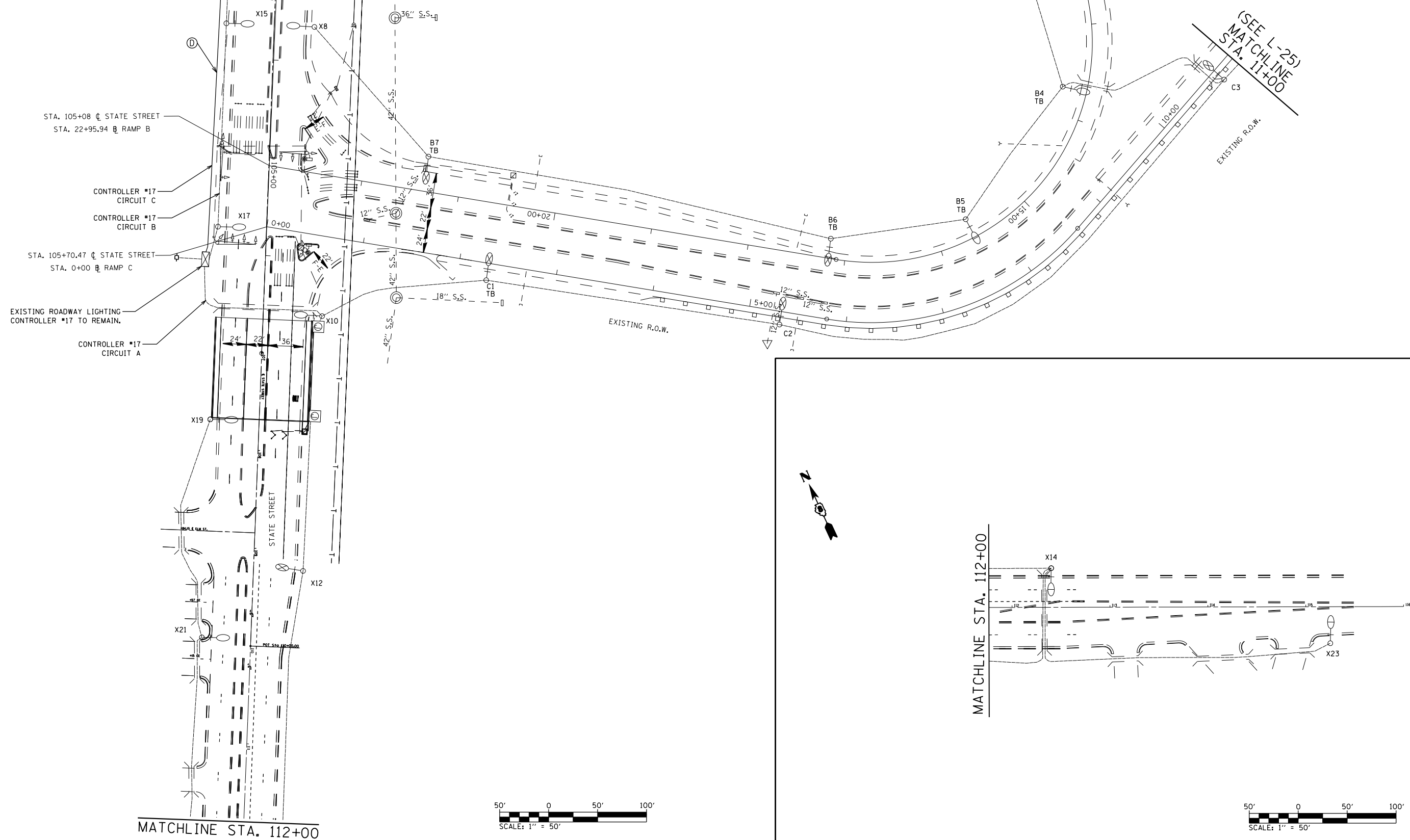
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13				
PLOT DATE = 8/13/2019	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
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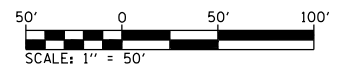
(SEE L-25)
MATCHLINE STA. 102+75

(SEE L-26)
MATCHLINE STA. 12+00

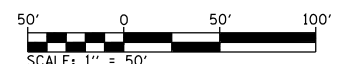
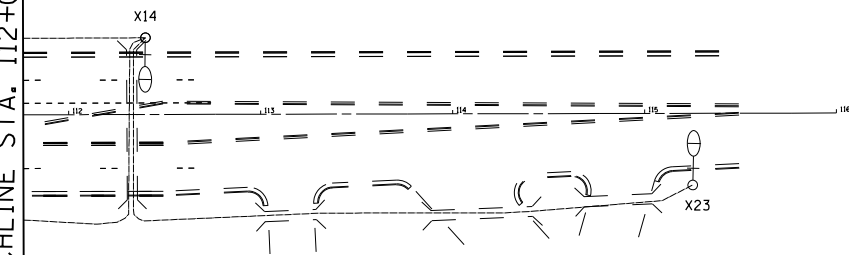
(SEE L-25)
MATCHLINE STA. 11+00



MATCHLINE STA. 112+00



MATCHLINE STA. 112+00



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

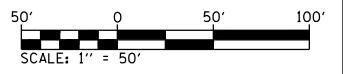
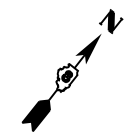
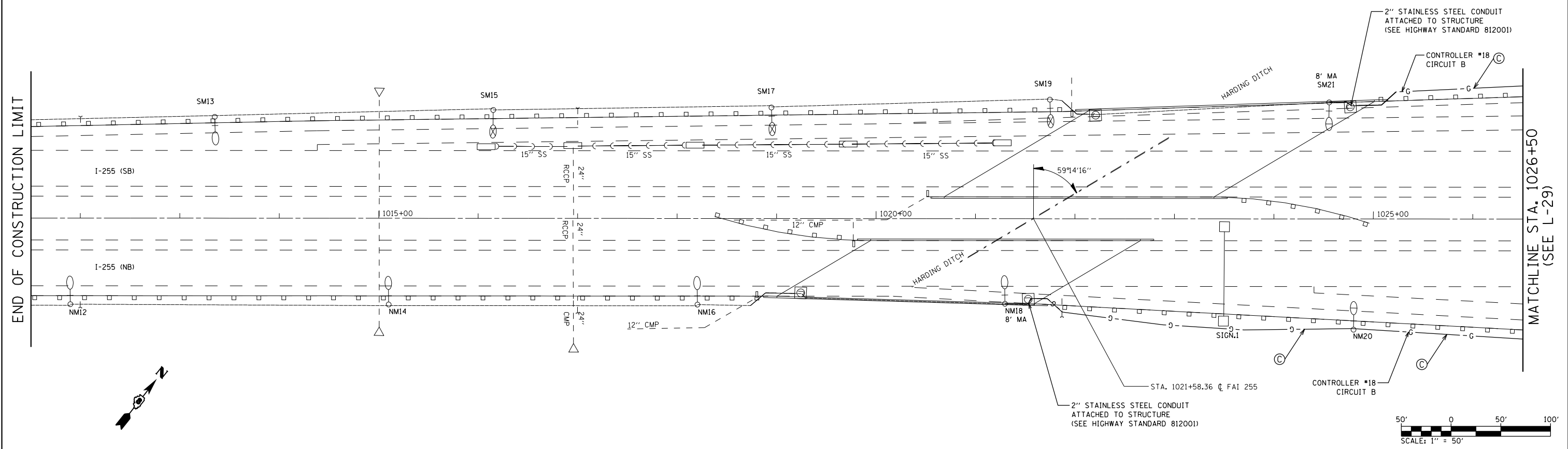
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTROLLERS #16 & #17
INSTALLATION SHT. 5 OF 5

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	141
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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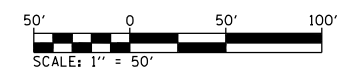
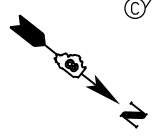
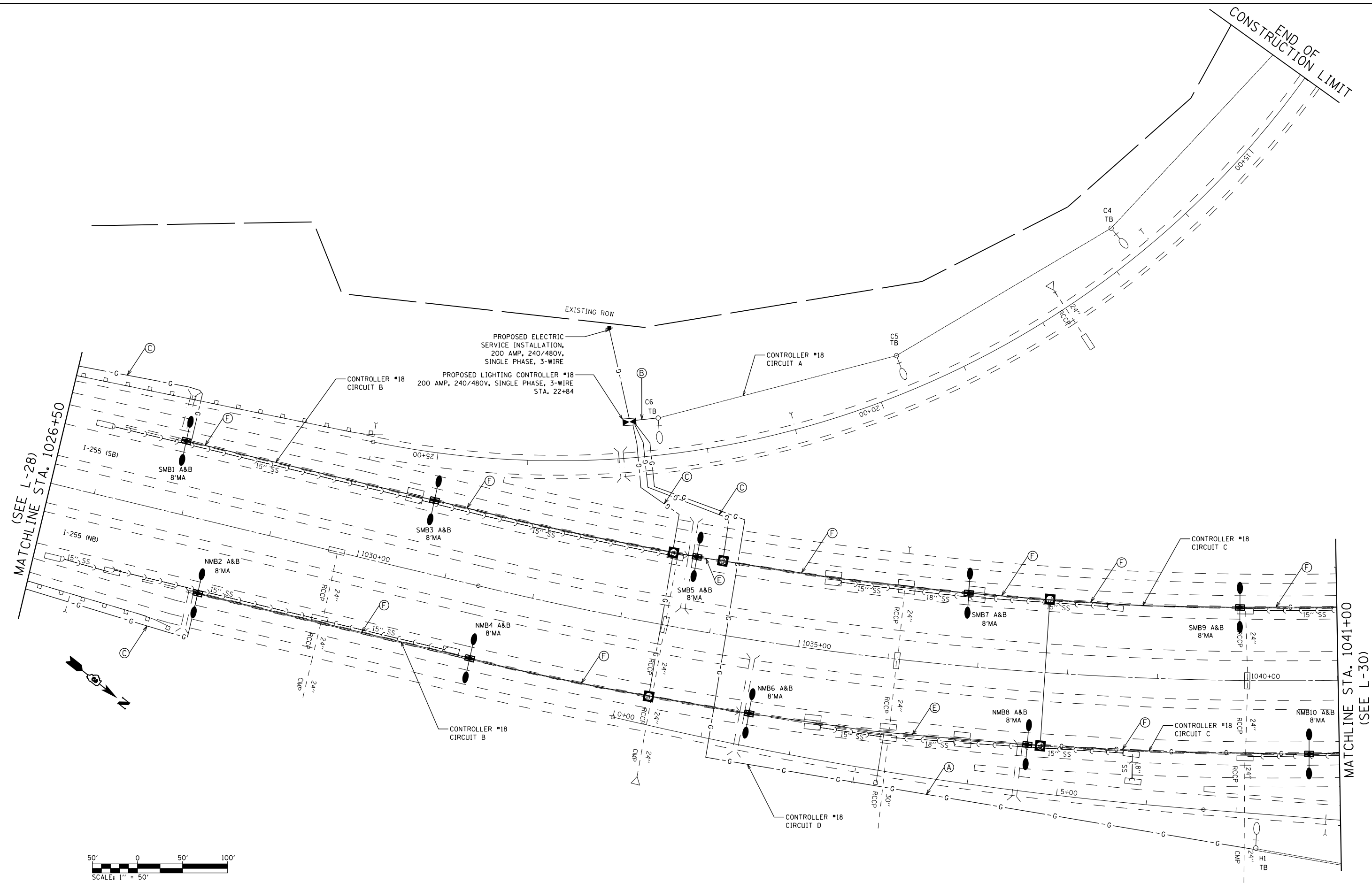
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROLLERS #18 & #19 INSTALLATION SHT. 1 OF 5			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	142
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

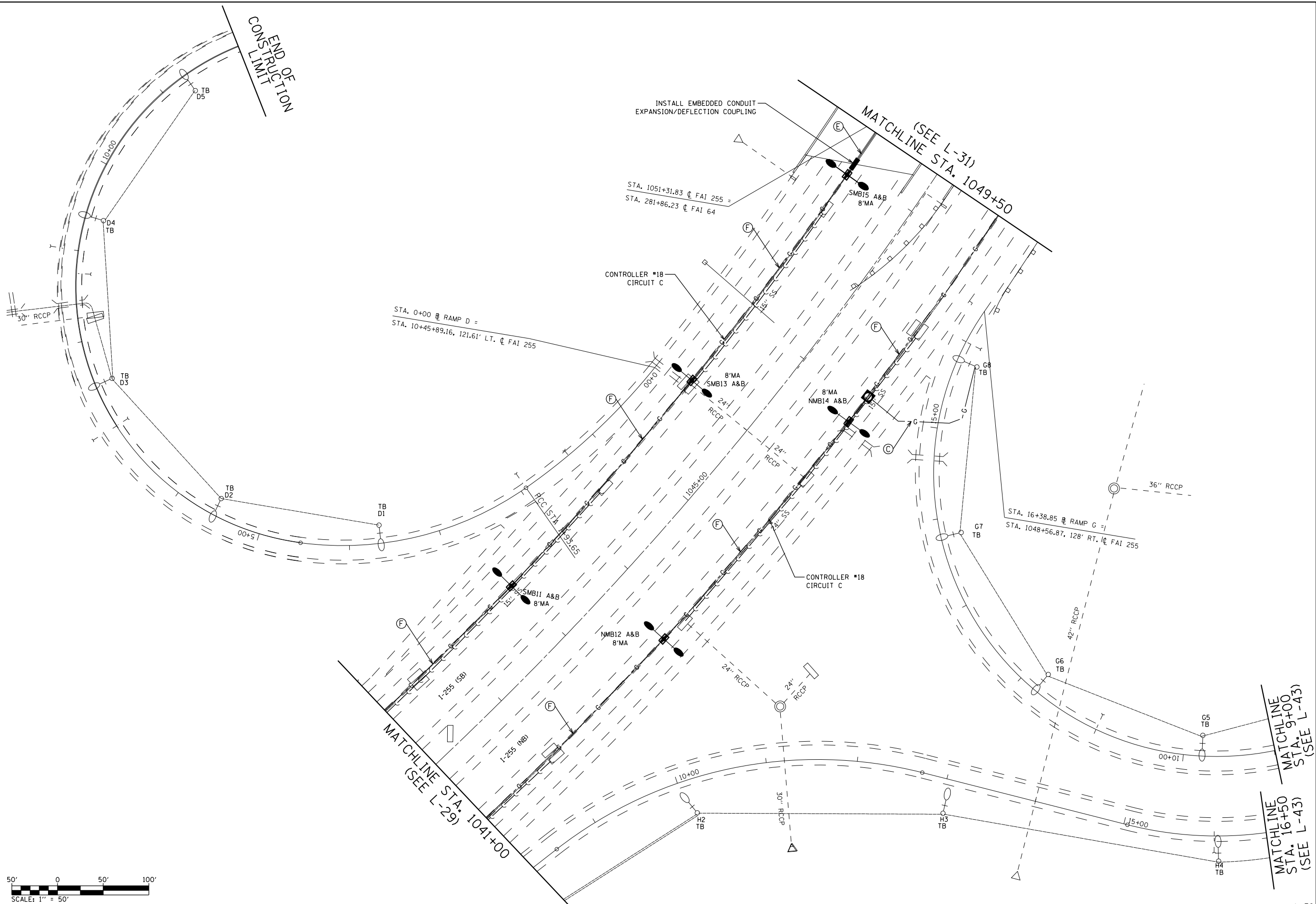
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19
INSTALLATION SHT. 2 OF 5**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	143
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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CONSTRUCT
LIMIT

(SEE L-31)
MATCHLINE STA. 1049+50

STA. 0+00 @ RAMP D =
STA. 10+45+89.16, 121.61' LT. @ FAI 255

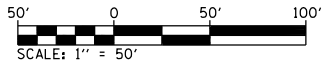
STA. 1051+31.83 @ FAI 255 =
STA. 281+86.23 @ FAI 64

STA. 16+38.85 @ RAMP G =
STA. 1048+56.87, 128' RT. @ FAI 255

MATCHLINE STA. 1041+00
(SEE L-29)

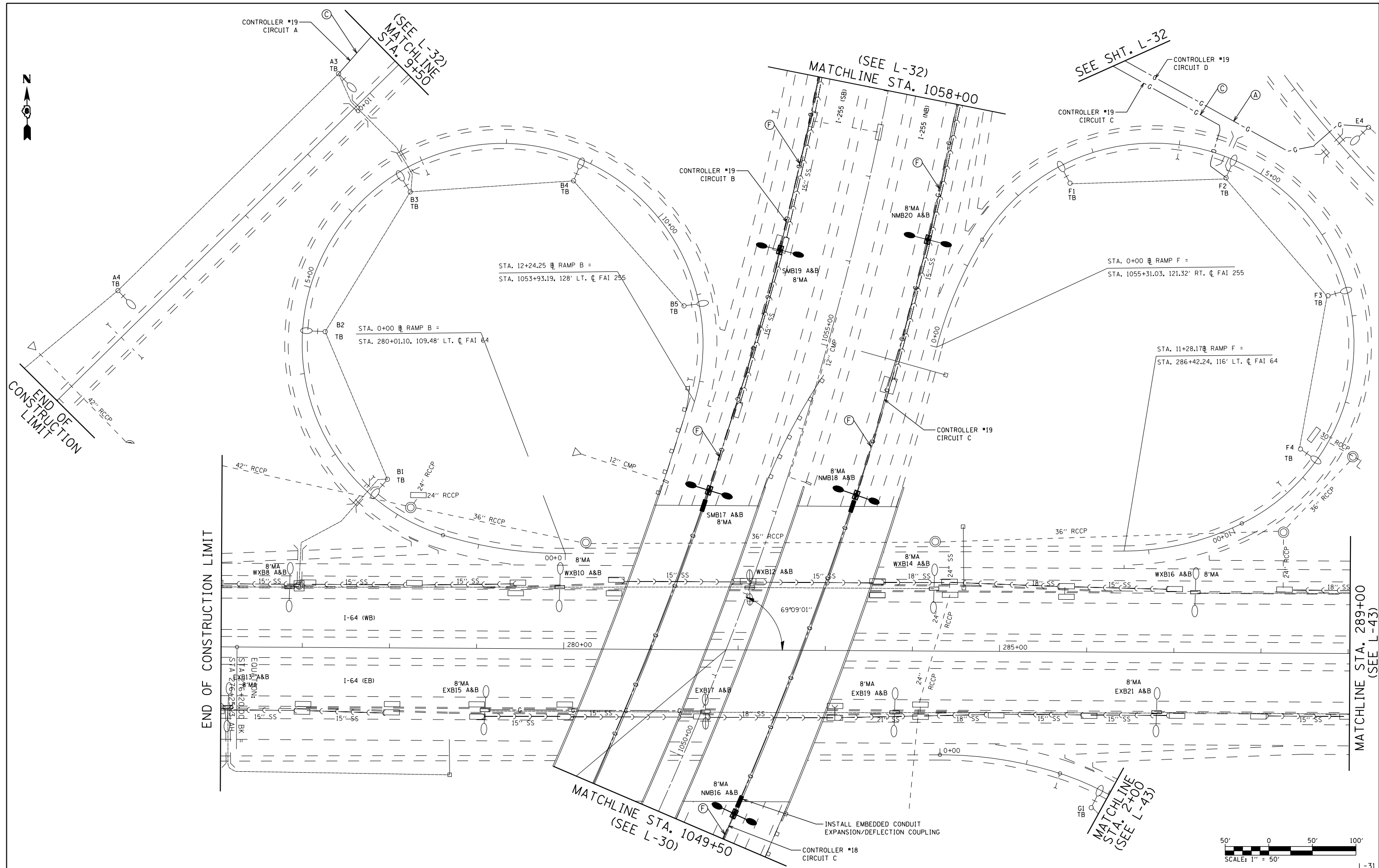
MATCHLINE STA. 9+00
(SEE L-43)

MATCHLINE STA. 16+50
(SEE L-43)



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #18 & #19 INSTALLATION SHT. 3 OF 5			F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 144
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 8/13/2019	DATE -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

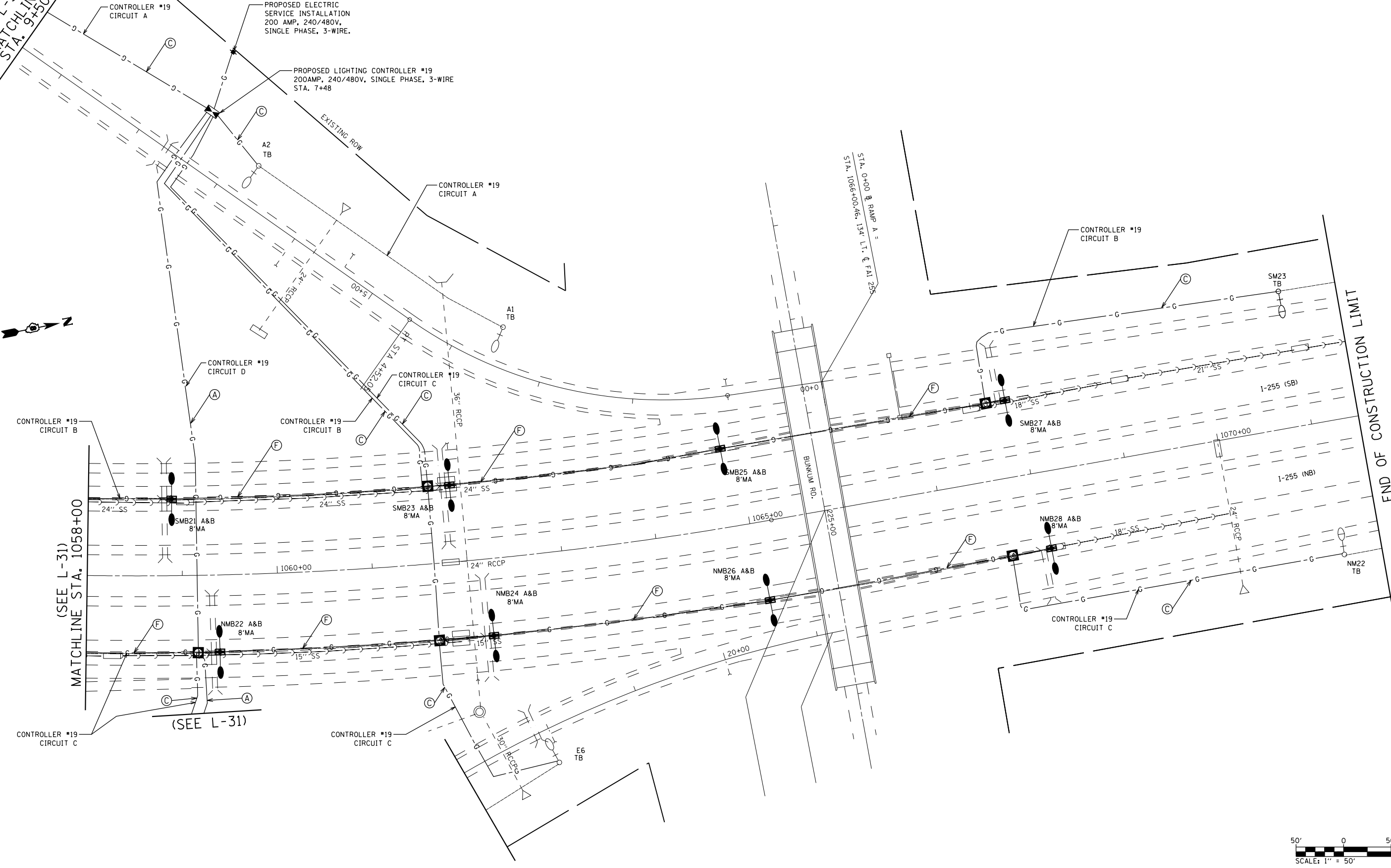
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FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLERS #18 & #19 INSTALLATION SHT. 4 OF 5			F.A.I. RTE. = 255	SECTION = 82-(3,2)RS	COUNTY = ST. CLAIR	TOTAL SHEETS = 280	SHEET NO. = 145
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76E13				
	PLOT DATE = 8/14/2019	DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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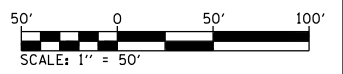
(SEE L-31)
MATCHLINE
STA. 9+50



(SEE L-31)
MATCHLINE STA. 1058+00

(SEE L-31)

END OF CONSTRUCTION LIMIT



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

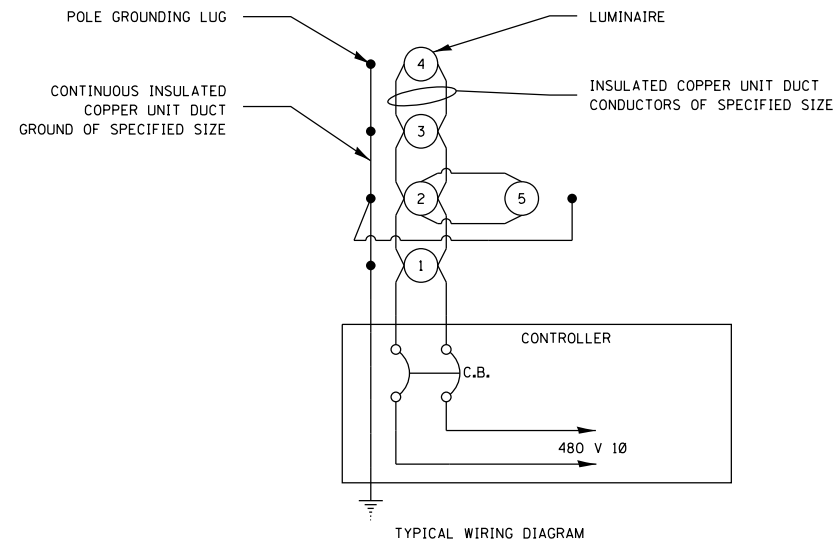
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19
INSTALLATION SHT. 5 OF 5**

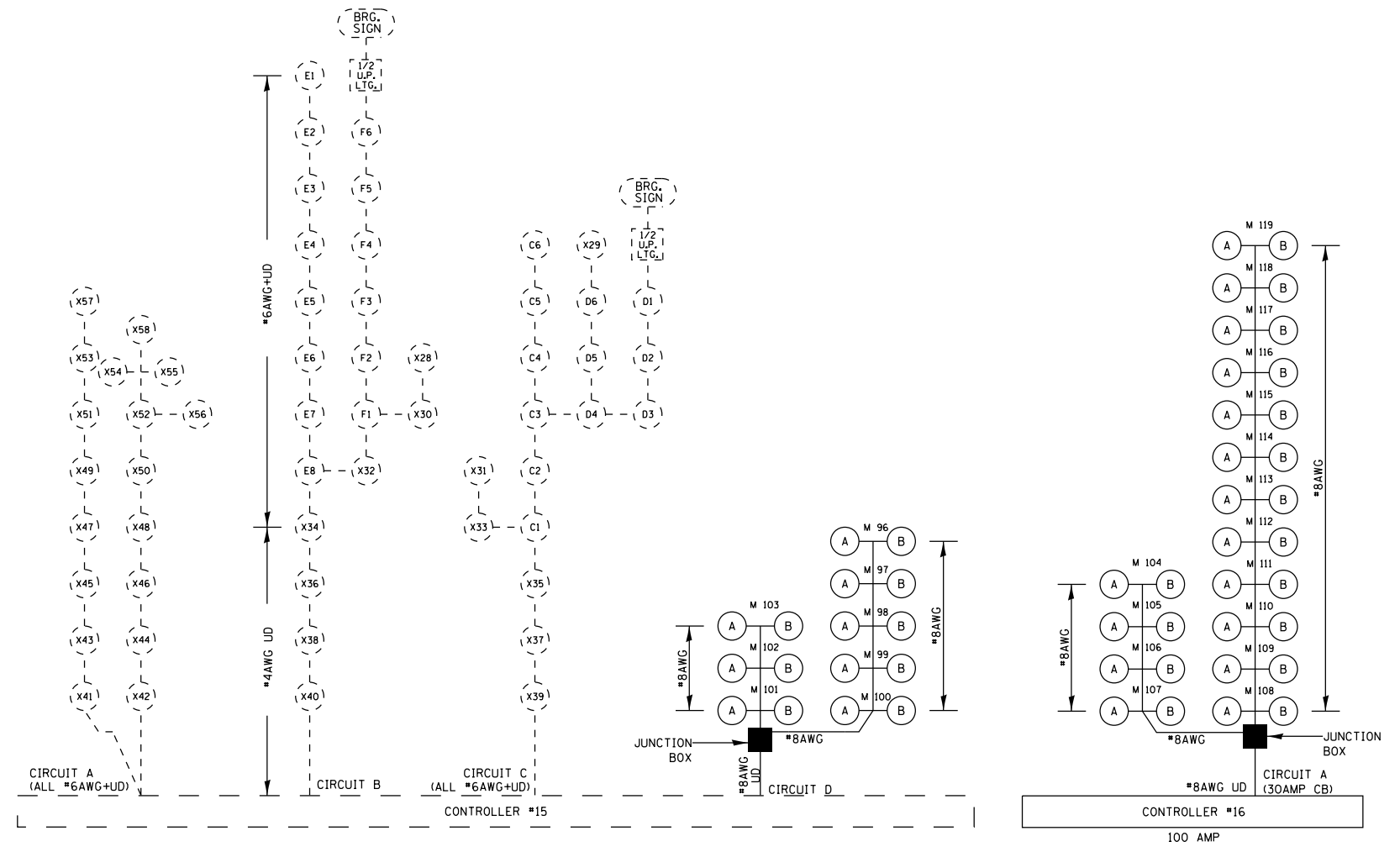
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	146
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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LUMINAIRE AND CABLE INFORMATION SHOWN ON THIS SHEET IS FOR INFORMATION ONLY



- *8AWG UD=UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- *6AWG UD=UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *4AWG UD=UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *2AWG UD=UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- *6AWG+UD=UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE AND ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6
- *6AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6
- *8AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8

--- EXISTING
 ——— PROPOSED

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

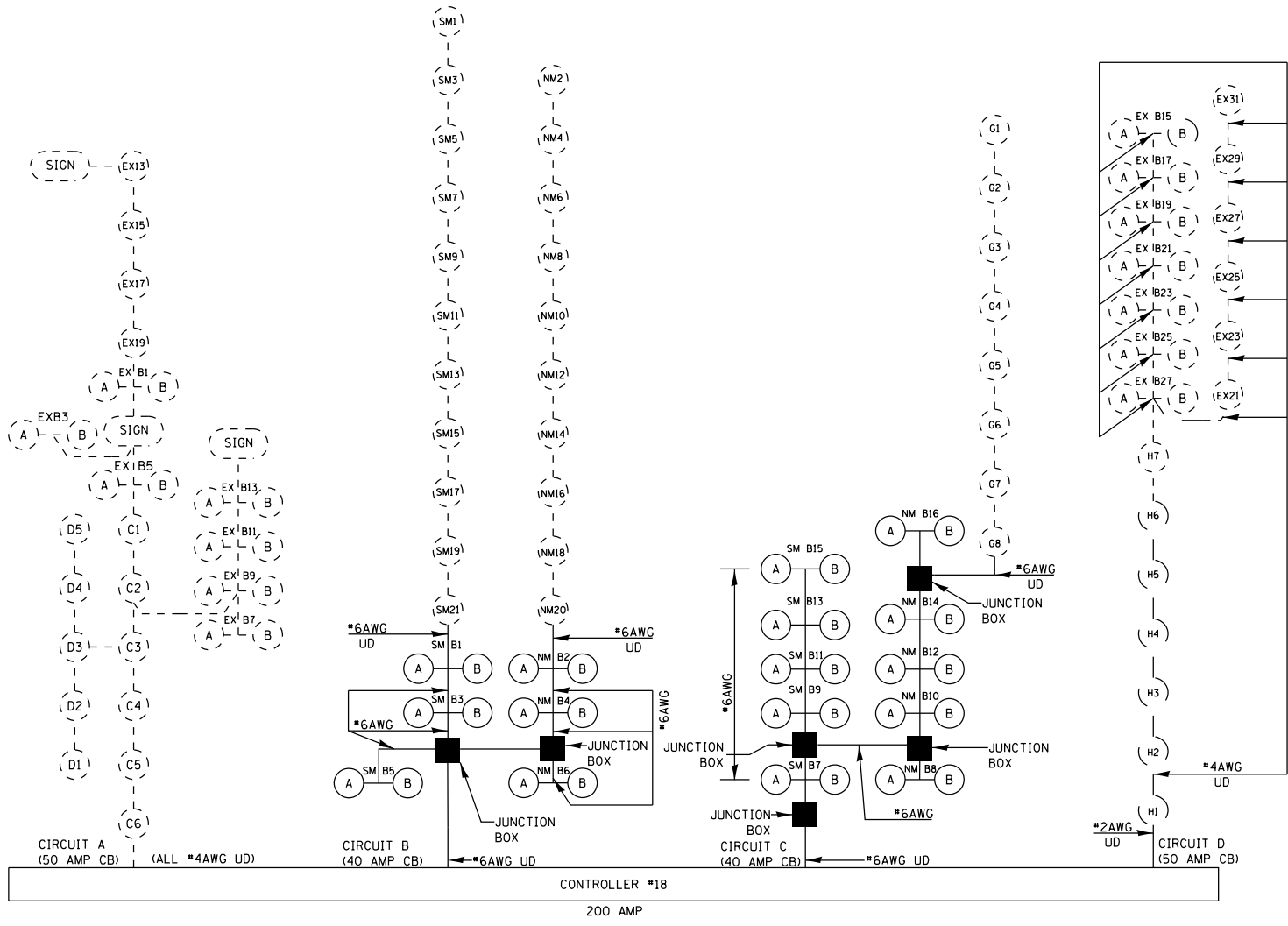
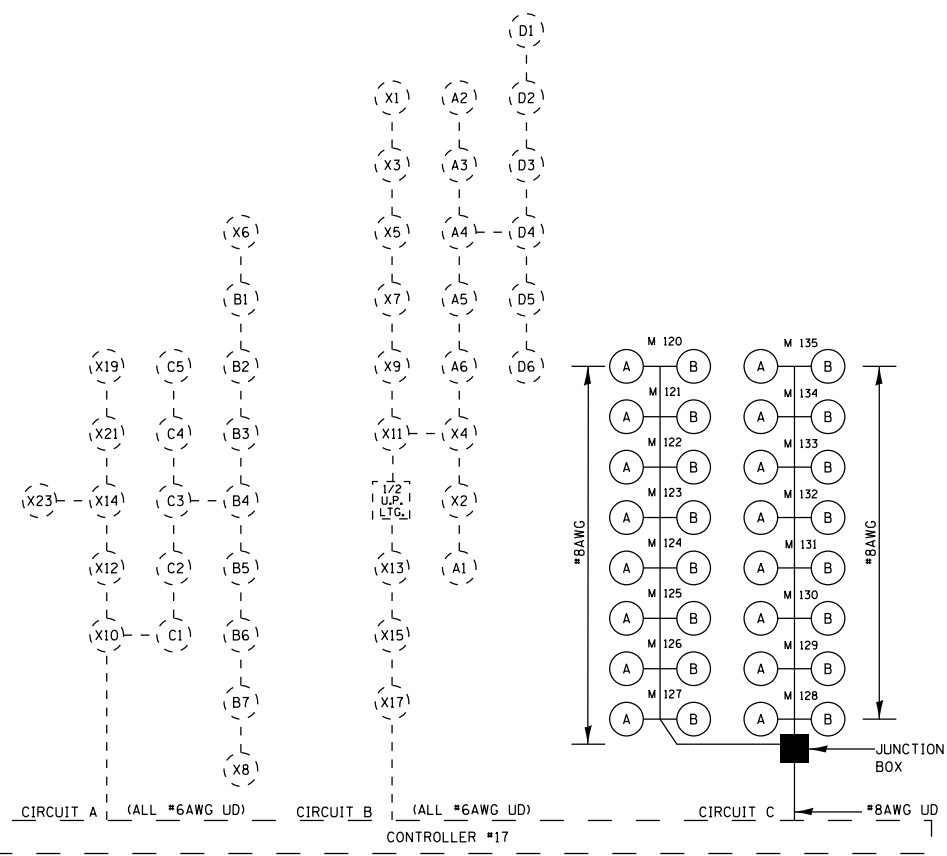
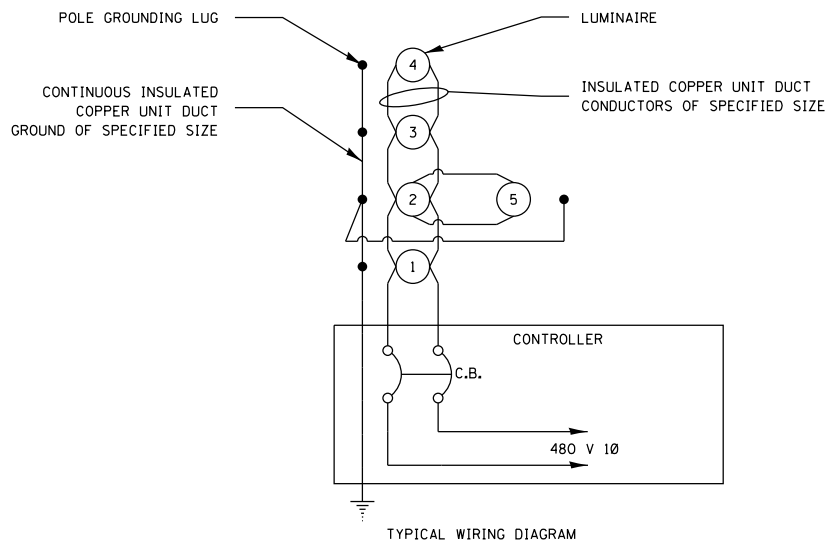
WIRING DIAGRAM 1 OF 3

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	147
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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LUMINAIRE AND CABLE INFORMATION SHOWN ON THIS SHEET IS FOR INFORMATION ONLY



- *8AWG UD=UNIT DUCT, 600V, 2-1C NO.8 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- *6AWG UD=UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *4AWG UD=UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *2AWG UD=UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- *6AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6
- *8AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8

--- EXISTING
— PROPOSED

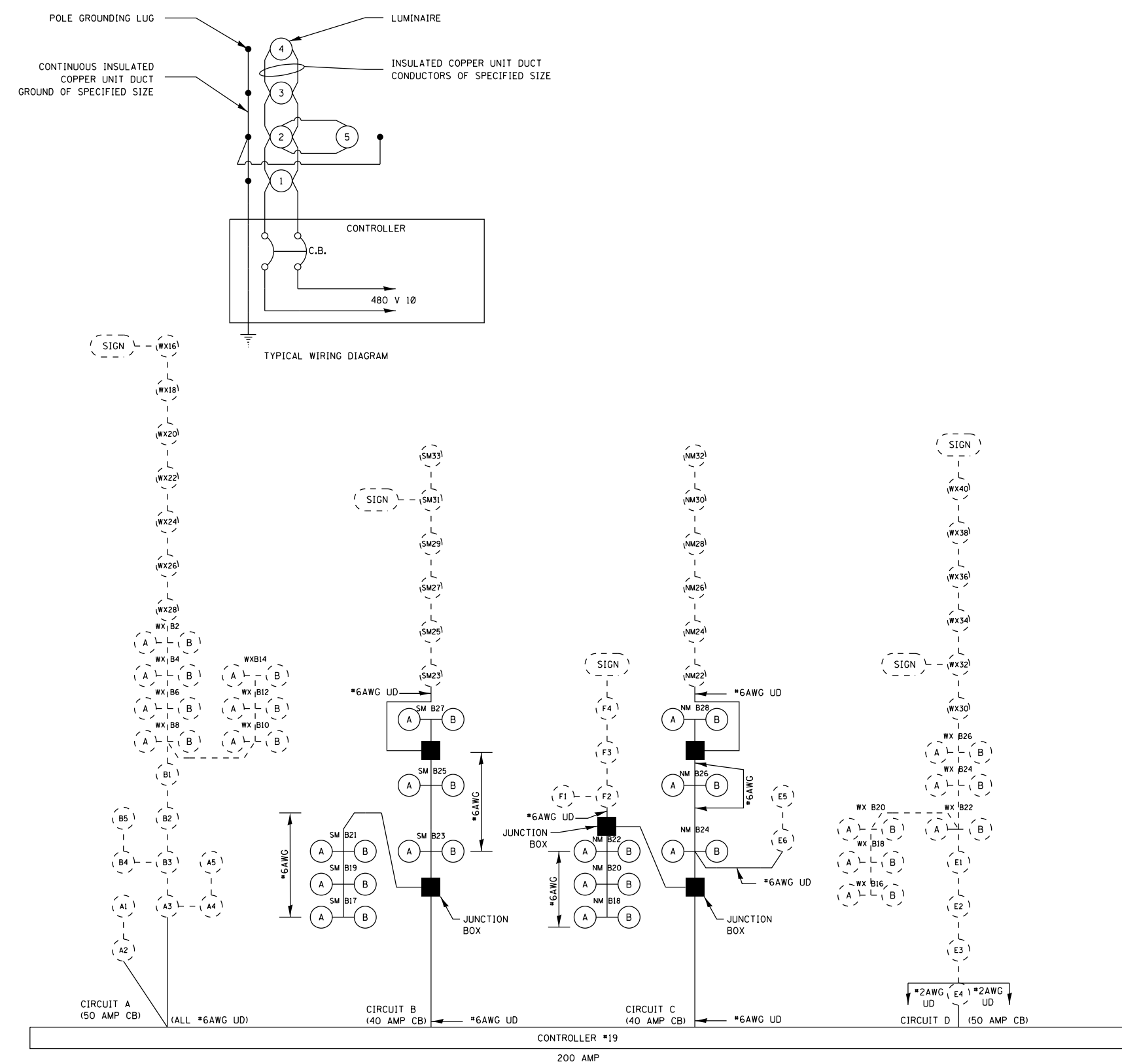
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM 2 OF 3			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	148
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LUMINAIRE AND CABLE INFORMATION SHOWN ON THIS SHEET IS FOR INFORMATION ONLY



- *8AWG UD=UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- *6AWG UD=UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *4AWG UD=UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- *2AWG UD=UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- *6AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6
- *8AWG=ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8

--- EXISTING
 ——— PROPOSED

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIRING DIAGRAM 3 OF 3			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					255	82-(3,2)RS	ST. CLAIR	280	149
PLOT DATE = 8/13/2019	DATE -	REVISED -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76E13			
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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Luminaire Performance Table



Project

Date	Contract Number	Section Number	County
07/22/19	76E13	82-(3,2)RS	St. Clair
Marked Route Number		Municipality	
I-255		IDOT	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12	3	26	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires
			(Highmast & Sign Lighting Only)
50	8-TWIN	13	

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
OUTPUT DESIGNATION H	TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.684	B3-U0-G4	N.A.	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
320	MEDIAN

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
N.A.	N.A.		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.4	3.5	6.0	0.3

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N.A.	N.A.	N.A.

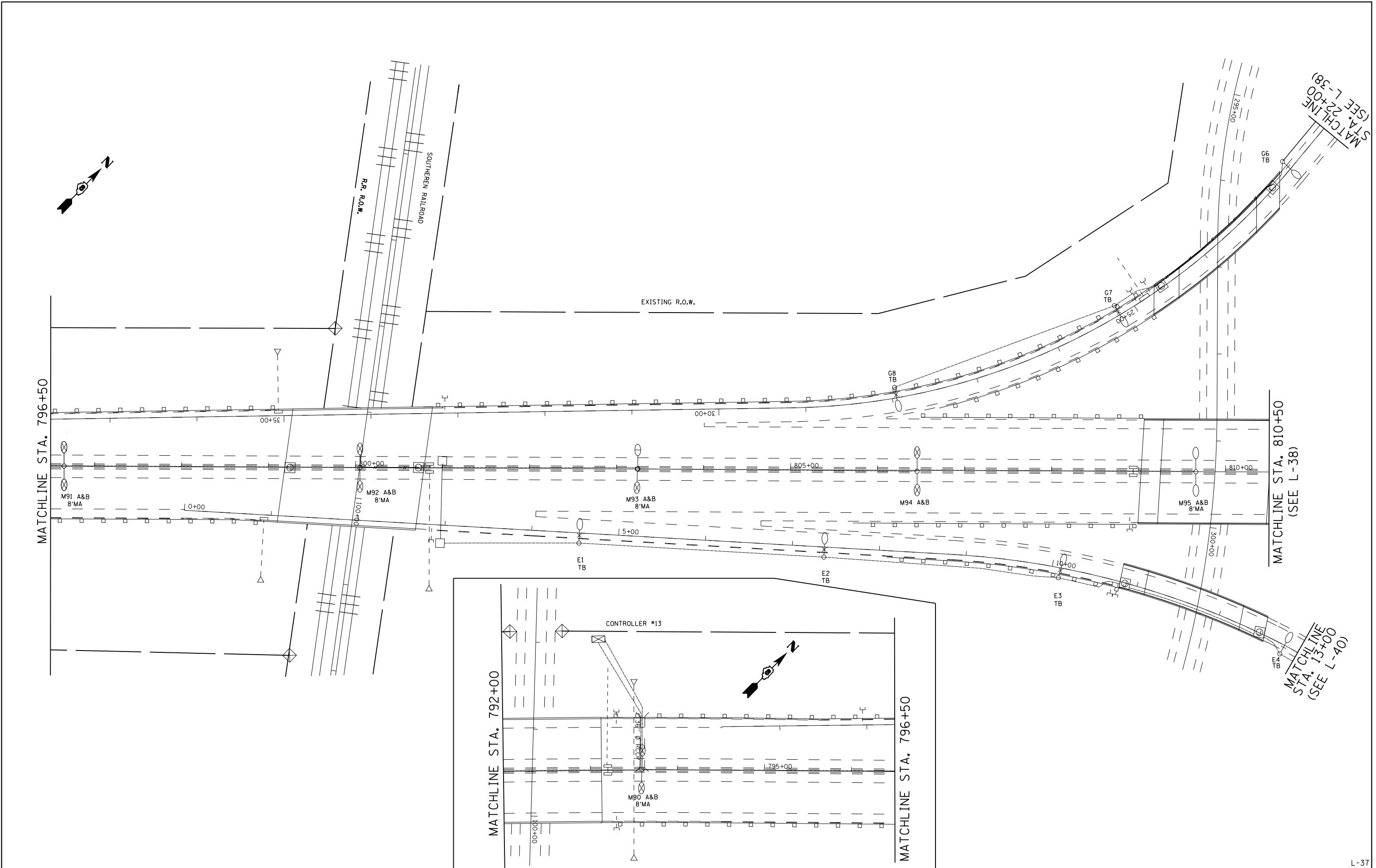
Notes

- Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Number of lanes shall be in each direction of travel.

Printed 07/22/19

BDE 5630 (04/10/19)



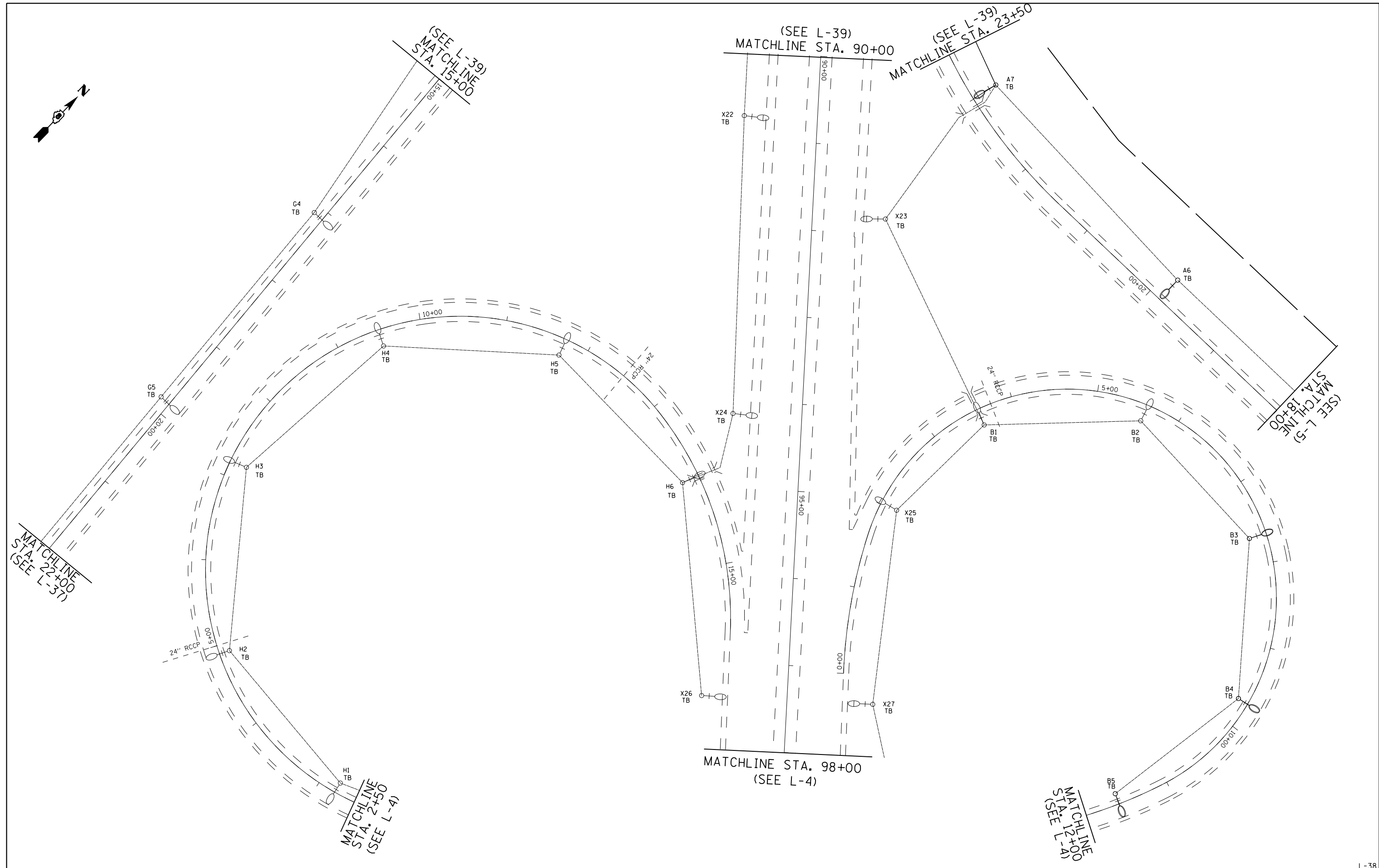
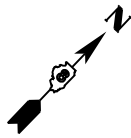
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	PLOT DATE = 8/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #13 - #15 SHTS. 2 OF 10
(INFORMATION, ONLY)**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	151
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DATE -	REVISED -

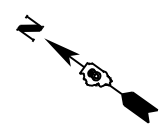
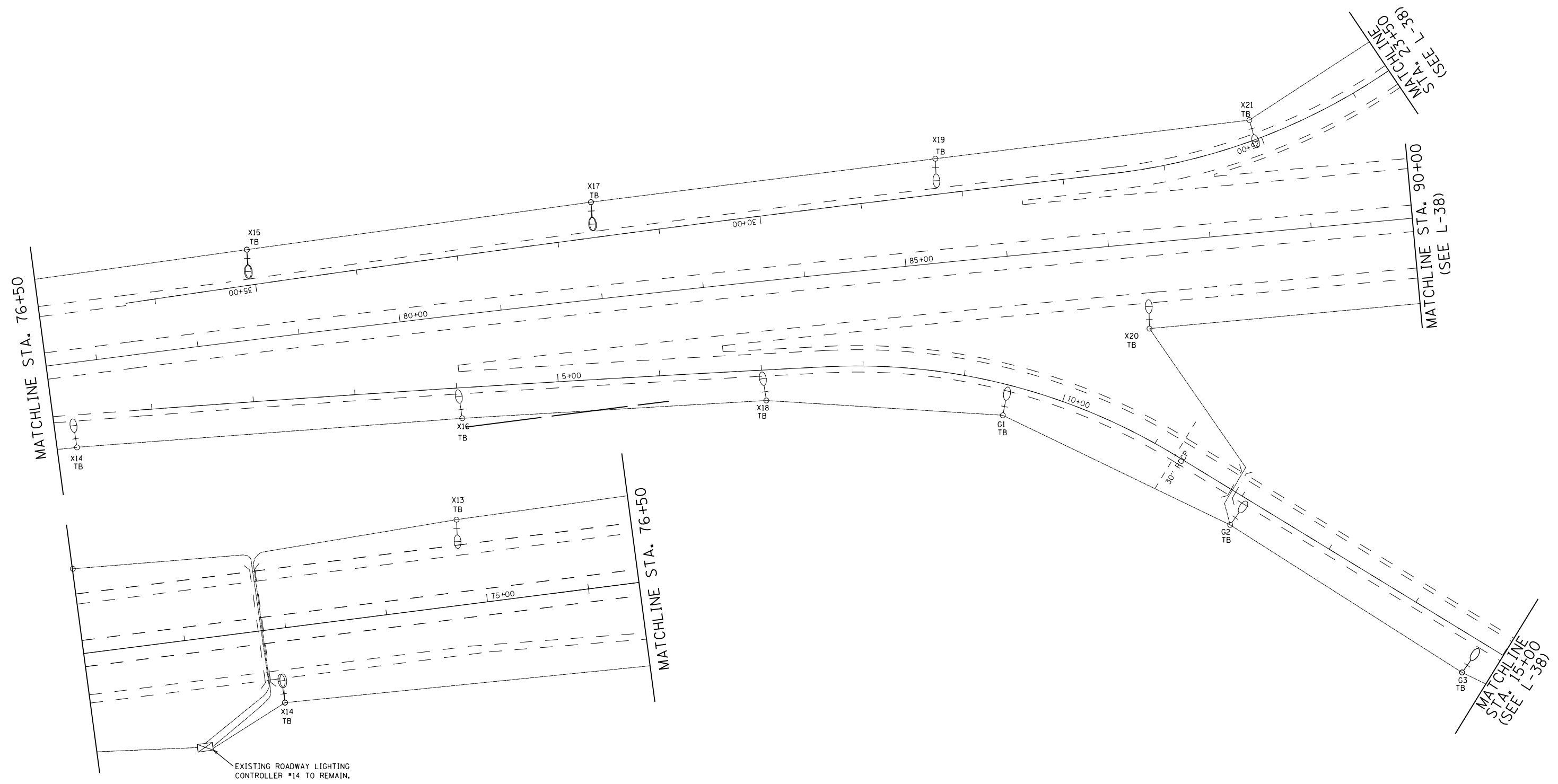
DATE	DATE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

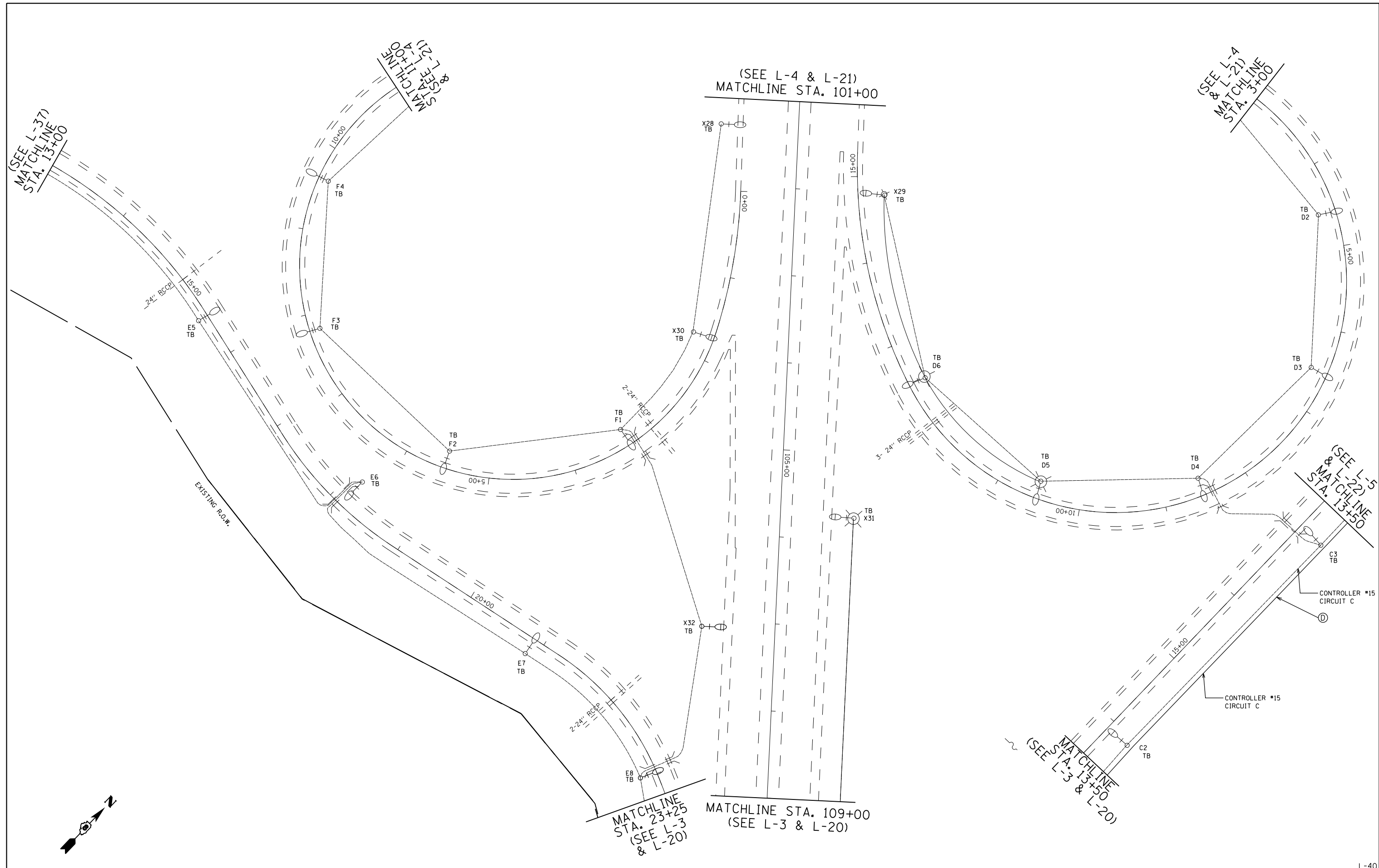
**CONTROLLERS #13 - #15 SHTS. 3 OF 10
(INFORMATION, ONLY)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	152
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			255	82-(3,2)RS	ST. CLAIR	280	153
PLOT DATE = 8/13/2019	DATE -	REVISED -	REVISED -	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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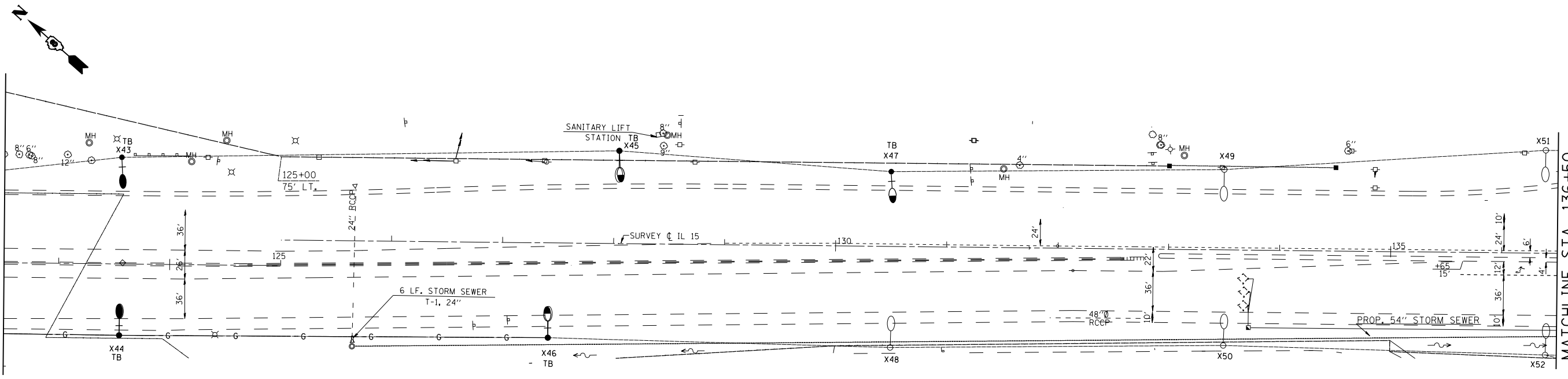
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #13 - #15 SHTS. 5 OF 10
(INFORMATION, ONLY)**

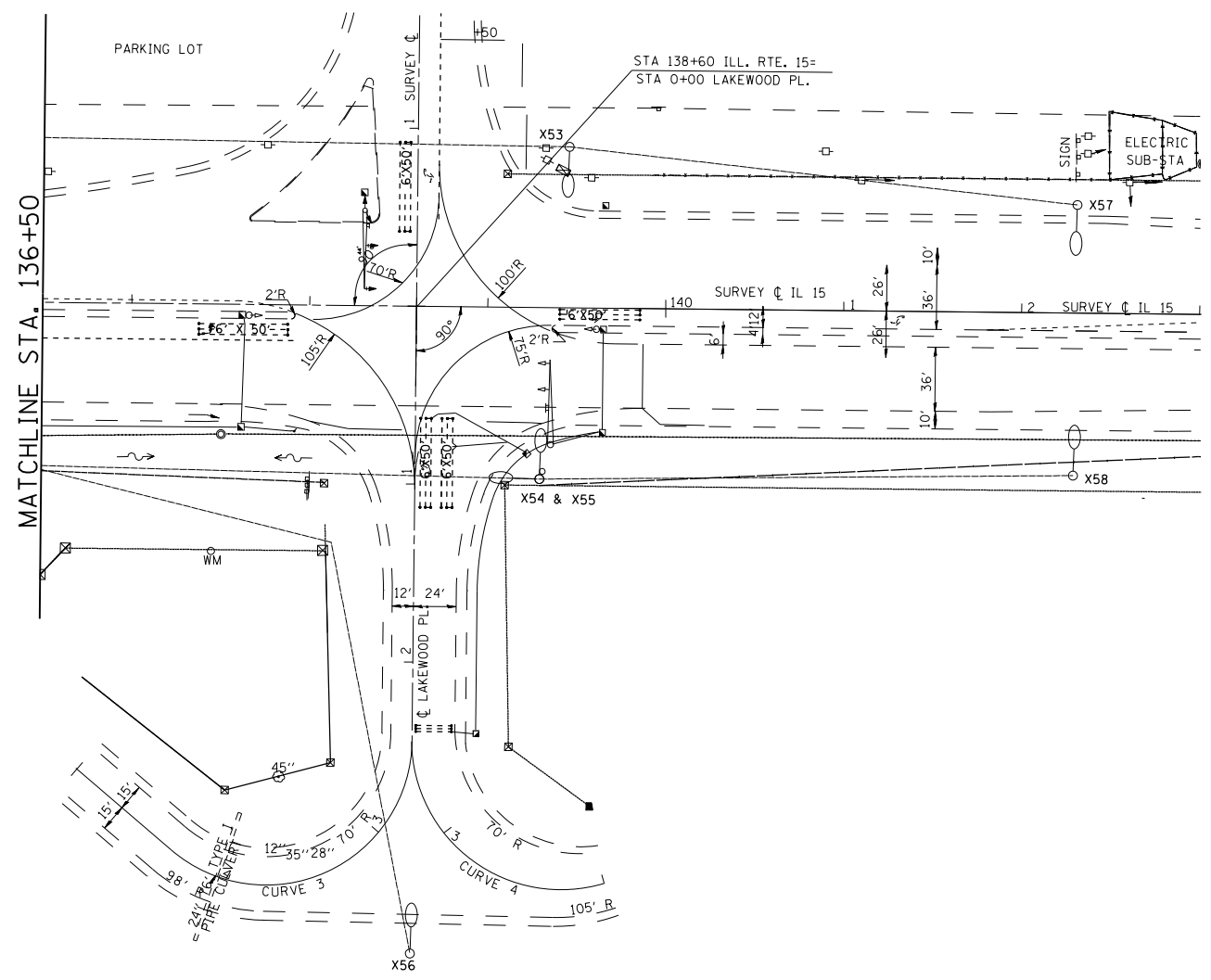
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	154
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76E13	

(SEE L-3 & L-20)
MATCHLINE STA. 122+50



MATCHLINE STA. 136+50



MATCHLINE STA. 136+50

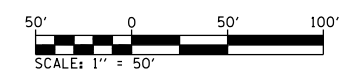
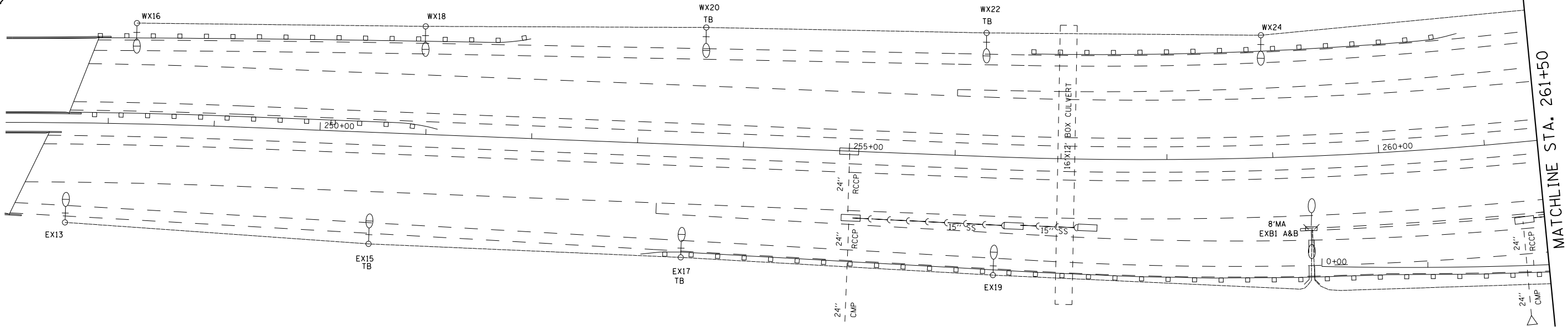
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

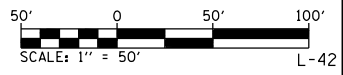
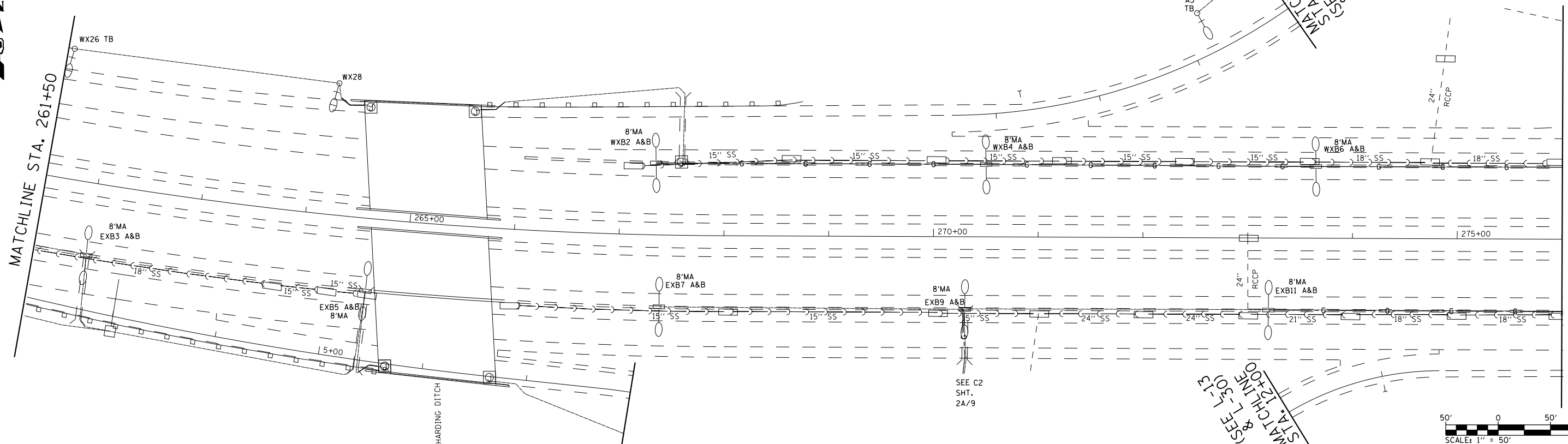
**CONTROLLERS #13 - #15 SHTS. 7A & 7B OF 10
(INFORMATION, ONLY)**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	155
CONTRACT NO. 76E13				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 261+50



MATCHLINE STA. 276+00
(SEE L-14 & L-31)

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PLOT DATE = 8/13/2019	DATE -	REVISED -	REVISED -

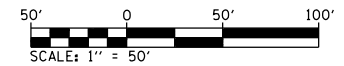
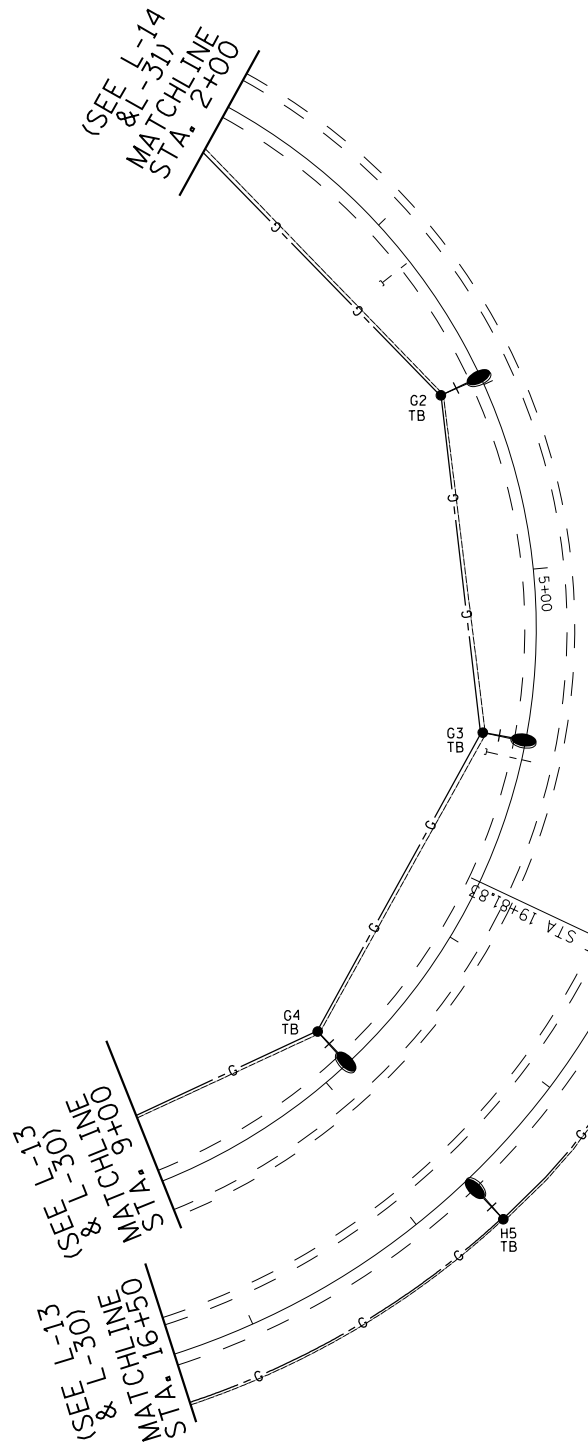
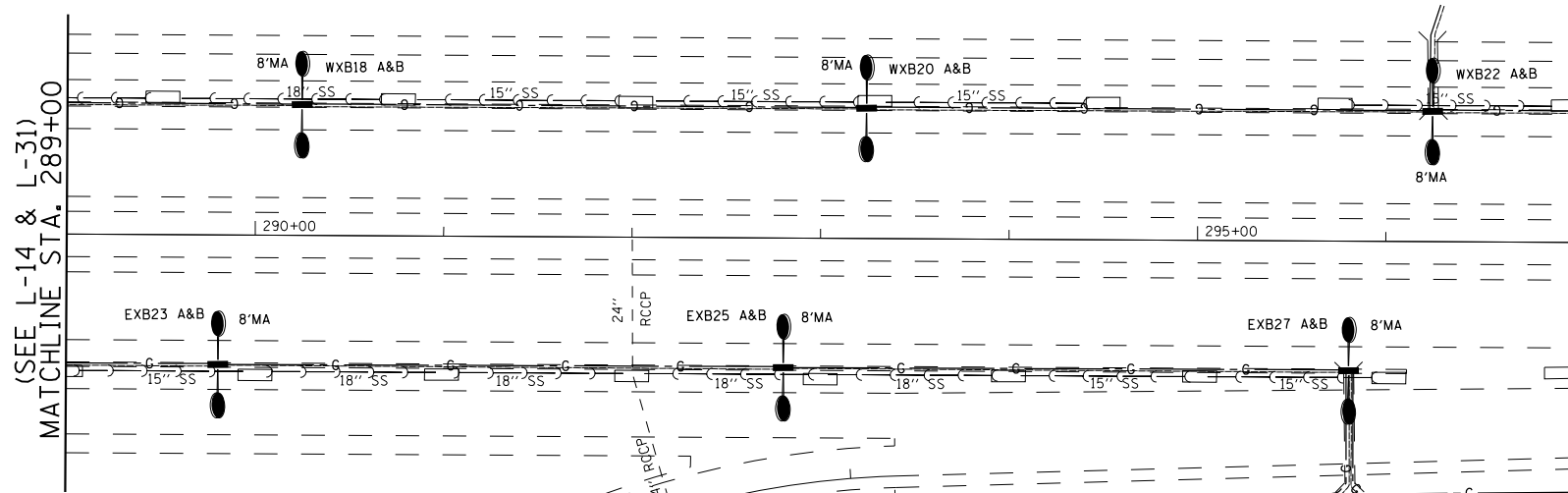
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19 SHTS. 4A & 4B OF 10
(INFORMATION, ONLY)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	156
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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L-42



FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLERS #18 & #19 SHTS. 6 OF 10
(INFORMATION, ONLY)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	157
CONTRACT NO. 76E13				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SIGN SCHEDULE

LOCATION		DESCRIPTION	REMOVE SIGN PANEL - TYPE 3	REMOVE GROUND MOUNTED SIGN SUPPORT	SIGN PANEL - TYPE 3	WOOD SIGN SUPPORT
STATION	DIRECTION		SF	EACH	SF	FT
			814+80	SB	STANDARD SIGN E5-1a	45.0
817+52	SB	GUIDE SIGN, STANDARD SIGN E1-5P	140.0		141.25	
822+41	NB	GUIDE SIGN, STANDARD SIGN E1-5P	225.0		228.75	
838+27	SB	GUIDE SIGNS, STANDARD SIGNS - E1-5P	375.0		376.25	
845+63	SB	GUIDE SIGN	120.0		112.00	
850+10	SB	GUIDE SIGN	182.0		182.00	
859+15	SB	GUIDE SIGN. STANDARD SIGN E1-5P	225.0		238.75	
878+15	NB	GUIDE SIGNS, STANDARD SIGNS - E1-5P	340.0		337.00	
878+15	SB	GUIDE SIGN. STANDARD SIGN E1-5P	250.0		245.00	
898+50	NB	GUIDE SIGN. STANDARD SIGN E1-5P	185.0		163.75	
908+51	NB	GUIDE SIGN	101.5		116.25	
918+48	NB	GUIDE SIGNS, STANDARD SIGNS - E1-5P	325.0		323.50	
923+56	NB	STANDARD SIGN E5-1a	30.0	2	32.50	34
STATE STREET	SB	GUIDE SIGNS	129.0		128.50	
STATE STREET	NB	GUIDE SIGNS	129.0		128.50	
939+01	SB	GUIDE SIGN. STANDARD SIGN E1-5P	222.0		140.75	
950+17	NB	GUIDE SIGN. STANDARD SIGN E1-5P	256.0		279.75	
950+64	SB	GUIDE SIGN	101.5		116.25	
950+90	SB	GUIDE SIGN. STANDARD SIGN E1-5P	185.0		163.75	
1023+48	NB	GUIDE SIGNS. STANDARD SIGN E1-5P	500.0		483.00	
1029+76	SB	GUIDE SIGN. STANDARD SIGN E1-5P	185.0		163.75	
1035+95	NB	GUIDE SIGNS	275.0		272.75	
1048+02	SB	GUIDE SIGN	135.0		135.00	
1055+01	NB	GUIDE SIGN	105.0		105.00	
TOTALS			4766.0	4	4659.00	68

ALL SIGN PANELS REMOVED ARE TO BE RETURNED TO IDOT OPERATIONS. PLEASE CONTACT JEFF ABEL @ 618-346-3283 FOR ASSISTANCE.

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USER NAME = bergmd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	255	82-(3,2)RS	ST. CLAIR	280	158
PLOT DATE = 8/8/2019	DATE -	REVISED -								CONTRACT NO. 76E13					
							ILLINOIS			FED. AID PROJECT					

STA 814+80 SOUTHBOUND
 EXISTING STANDARD SIGN ON WOOD SIGN SUPPORTS
 PROPOSED STANDARD SIGN E5-1a, 9' X 5', ON NEW WOOD SIGN SUPPORTS
 "17A" (2 DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 45 SF
 REMOVE GROUND MOUNTED SIGN SUPPORT, 2 EA
 SIGN PANEL - TYPE 3, 45 SF
 WOOD SIGN SUPPORT, 34'



MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 8/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

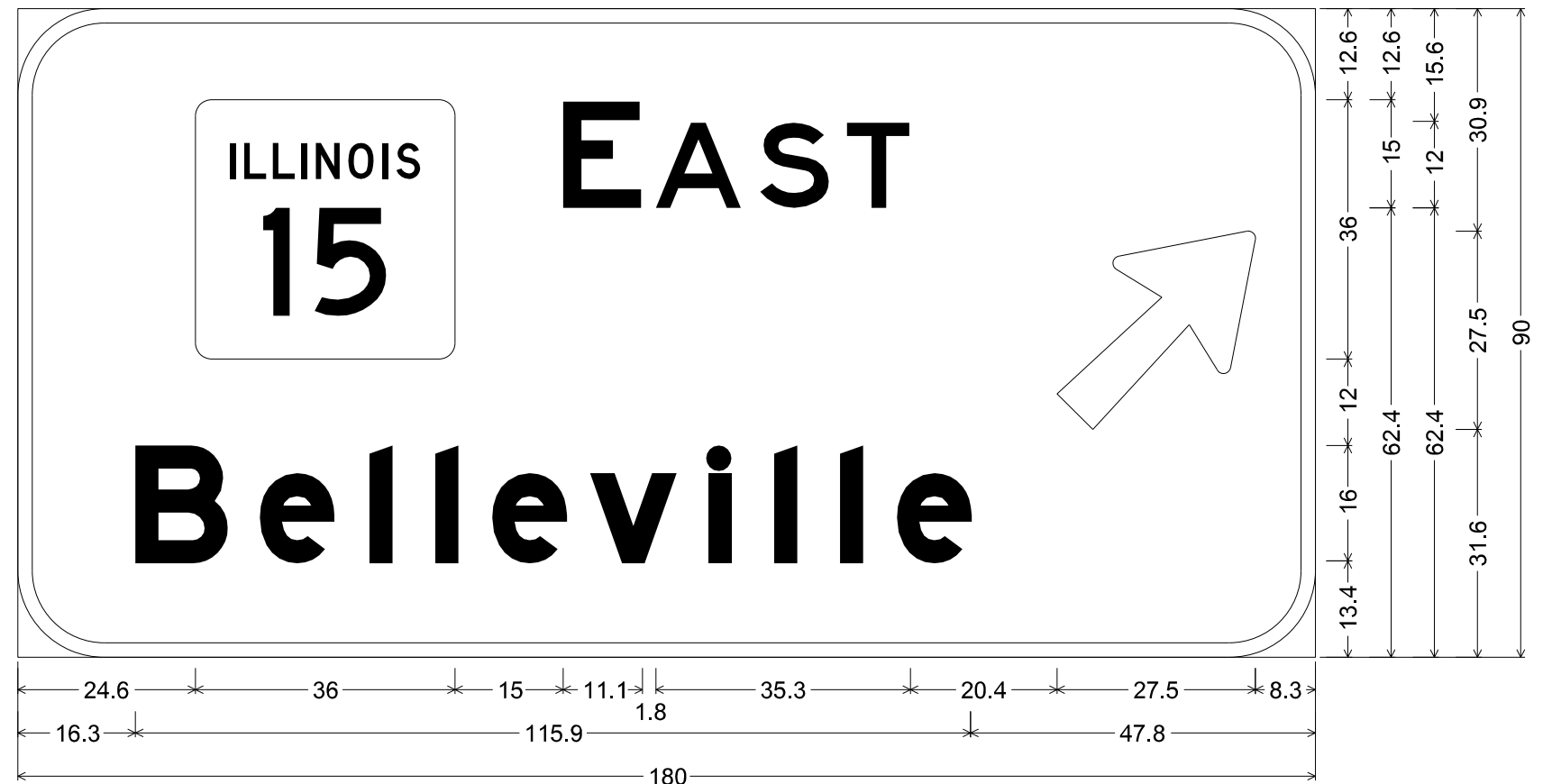
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	159
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 817+52 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURE
 PROPOSED GUIDE SIGN ON STRUCTURE
 PROPOSED STANDARD SIGN E1-5P, 11.5' X 2.5'
 "EXIT 17A" (TWO DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 140 SF
 SIGN PANEL - TYPE 3, 141.25 SF



12.0" Radius, 2.0" Border, White on Green;
 [EAST] E; [Belleville] E Mod; Arrow 160 - 35.0" 45°;
 Table of widths and spaces.

24.6		36.0	15.0	E	11.1	1.8	A	12.0	2.5	S	9.6	2.4	T	8.8	20.4		27.5	8.3												
16.3	B	12.8	4.5	e	10.2	5.0	l	3.0	6.1	l	3.0	4.9	e	10.2	3.4	v	11.9	4.5	i	3.0	6.1	l	3.0	6.2	l	3.0	4.9	e	10.2	47.8

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USER NAME = bergmd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -						255	82-(3,2)RS	ST. CLAIR	280	160
PLOT DATE = 8/8/2019	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76E13				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

STA 822+41 NORTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURE
 PROPOSED GUIDE SIGN ON STRUCTURE
 PROPOSED STANDARD SIGN E1-5P, 11.5' X 2.5'
 "EXIT 17B" (TWO DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 225 SF
 SIGN PANEL - TYPE 3, 228.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E; [Missouri Ave] E Mod; [East St Louis] E Mod; Arrow 160 - 35.0" 45°;
 Table of widths and spaces.

53.4	36.0	15.0	15.7	2.8	8.8	2.5	9.6	2.4	8.9	47.4	27.6	9.9																			
23.4	M	14.8	6.5	3.0	4.4	s	10.2	3.1	s	10.1	3.5	10.5	4.9	u	10.2	6.2	r	7.8	3.7	l	3.0	16.0	A	16.0	2.5	11.9	3.2	e	10.2	54.9	
17.9	E	11.9	4.3	a	10.1	4.5	s	10.1	3.2	t	8.0	16.0	S	12.7	3.4	t	8.0	16.0	L	11.8	3.3	o	10.5	4.9	u	10.2	6.1	3.0	4.5	10.1	49.5

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	DRAWN -	REVISED -
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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

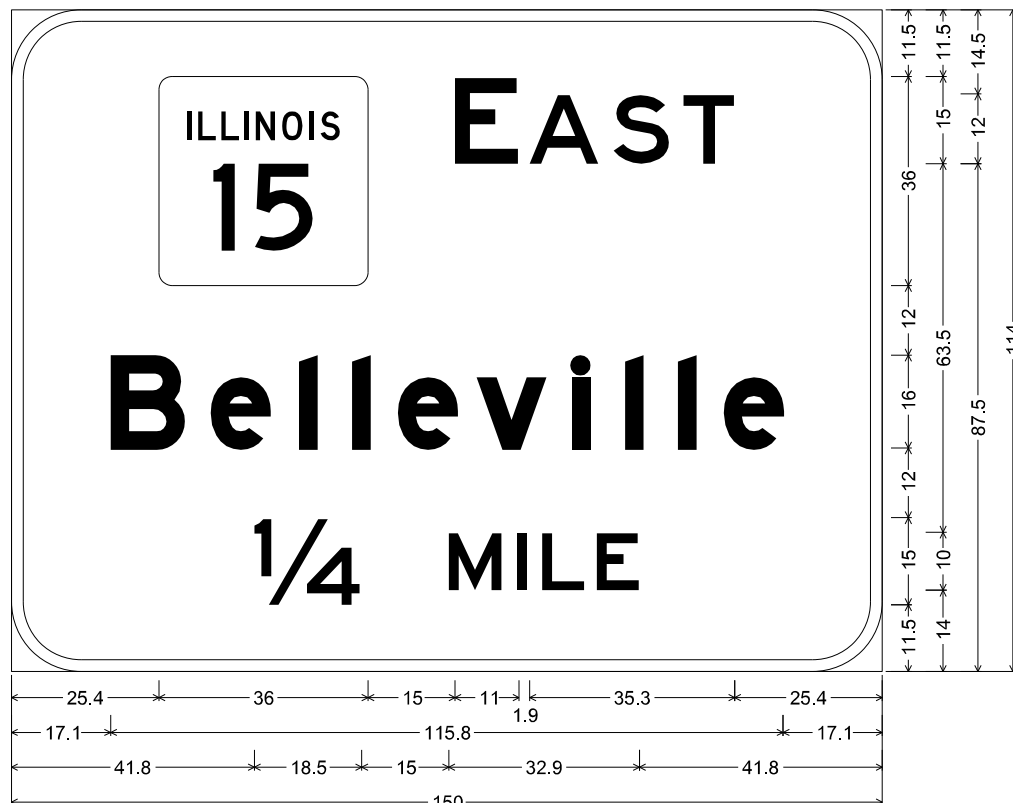
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	161
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 838+27 SOUTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE
 PROPOSED STANDARD SIGN E1-5P, 11.5' X 2.5'
 "EXIT 17A" (TWO DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)
 PROPOSED STANDARD SIGN E1-5P, 11.5' X 2.5'
 "EXIT 17B" (TWO DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 375 SF
 SIGN PANEL - TYPE 3, 376.25 SF



12.0" Radius, 2.0" Border, White on Green;
 [EAST] E; [Belleville] E Mod; [1/4 MILE] E;
 Table of widths and spaces.

25.4	36.0	15.0	11.0	1.9	12.0	2.4	9.6	2.5	8.8	25.4										
17.1	12.7	4.5	10.2	5.0	3.0	6.2	3.0	4.9	10.2	3.3	12.0	4.5	3.0	6.1	3.0	6.1	3.0	4.9	10.2	17.1
41.8	1/4	18.5	15.0	9.2	2.6	1.7	2.6	7.4	2.0	7.4	41.8									



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E; [Missouri Ave] E Mod; [East St Louis] E Mod; Arrow 160 - 35.0" 45°;
 Table of widths and spaces.

53.4	36.0	15.0	15.7	2.8	32.2	47.4	27.6	9.9														
23.4	101.9	16	43.8	54.9																		
17.9	52.1	16	24.1	16	64.4	49.5																
23.4	14.8	6.5	3.0	4.4	10.2	3.1	10.1	3.5	10.5	4.9	10.2	6.2	7.8	3.7	3.0	16.0	16.0	2.5	11.9	3.2	10.2	54.9
17.9	11.9	4.3	10.1	4.5	10.1	3.2	8.0	16.0	12.7	3.4	8.0	16.0	11.8	3.3	10.5	4.9	10.2	6.1	3.0	4.5	10.1	49.5

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

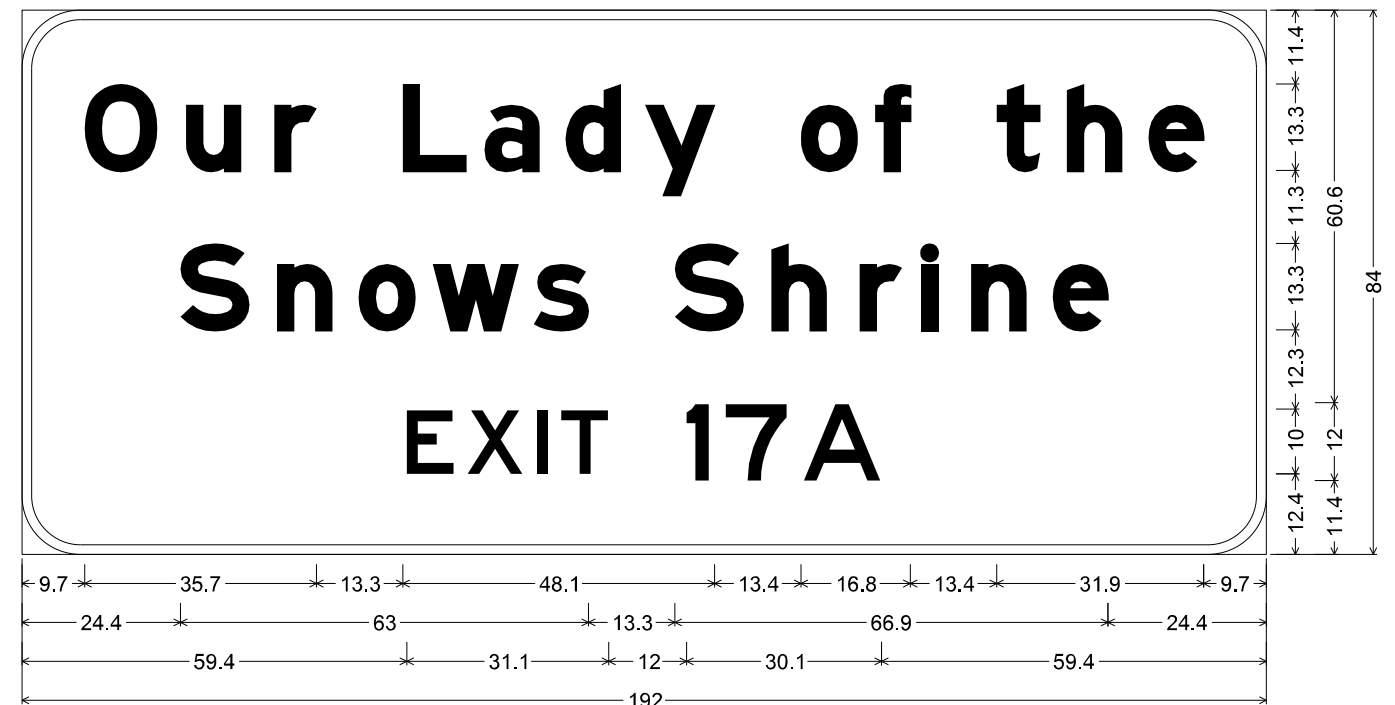
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	162
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 845+63 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SIGN PANEL REMOVAL - TYPE 3, 120 SF
 SIGN PANEL - TYPE 3, 112 SF



9.0" Radius, 1.5" Border, White on Brown;
 [Our Lady of the] E Mod; [Snows Shrine] E Mod; [EXIT 17A] E;

Table of widths and spaces.

9.7	O	11.1	4.5	u	8.5	5.1	r	6.5	13.3	L	9.9	2.7	a	8.5	4.1	d	8.5	3.7	y	10.7	13.4	o	8.7	2.7	f	5.4	13.4	t	6.6	4.2	h	8.5	4.1	e	8.5	9.7
24.4	S	10.7	4.2	n	8.5	4.1	o	8.8	2.7	w	13.2	2.4	s	8.4	13.3	S	10.7	4.2	h	8.5	5.2	6.5	3.1	2.5	5.1	n	8.5	4.1	e	8.5	24.4					
59.4	E	7.3	2.1	X	8.6	2.0	I	1.7	2.1	T	7.3	12.0	l	3.6	2.5	7	9.5	2.5	A	12.0	59.4															

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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

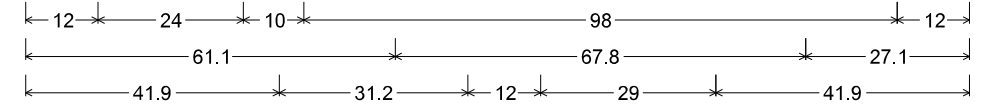
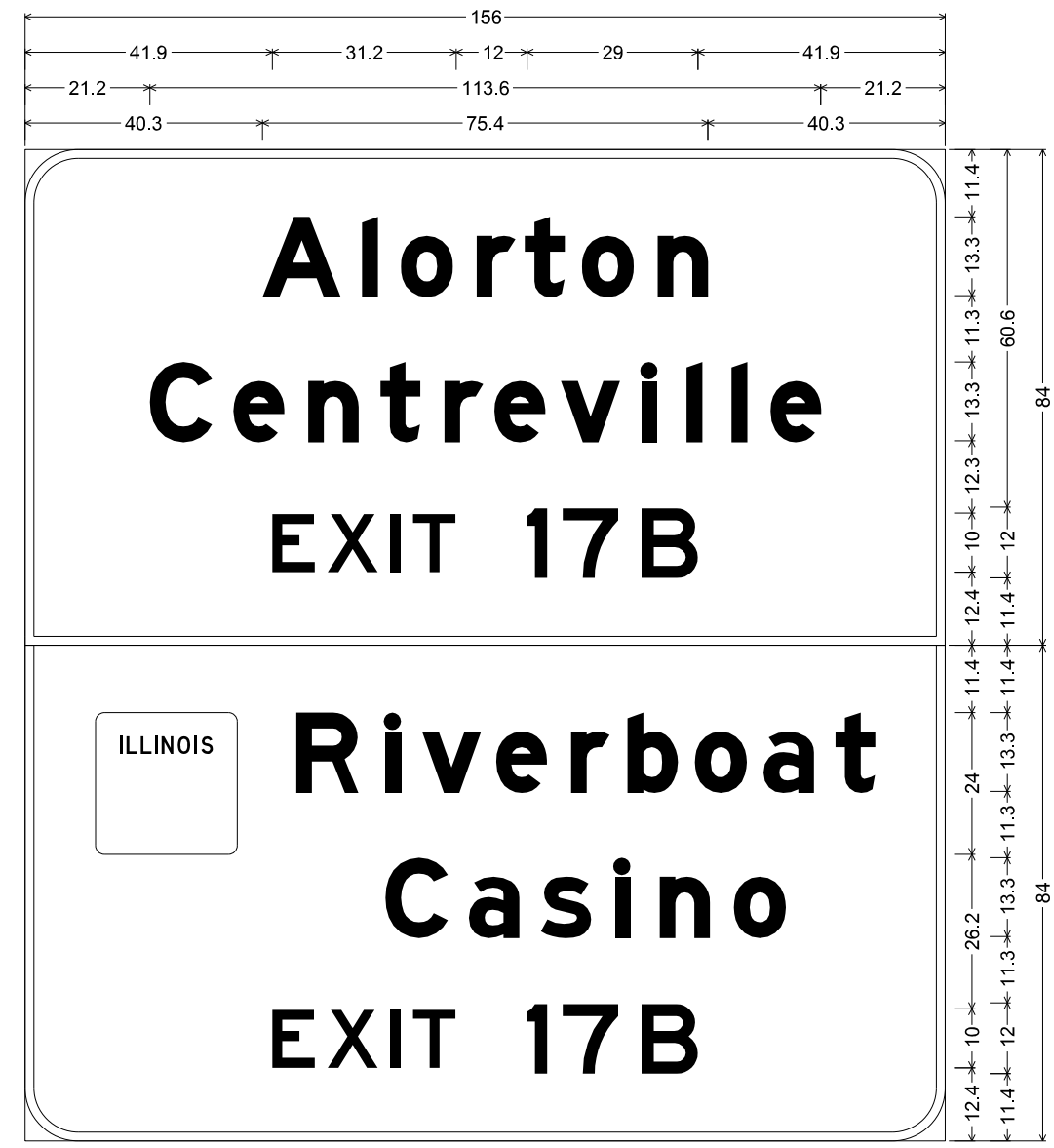
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	163
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 850+10 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SIGN PANEL REMOVAL - TYPE 3, 182 SF
 SIGN PANEL - TYPE 3, 182 SF



ILLINOIS STANDARD
 D11-1101



9.0" Radius, 1.5" Border, White on Green;
 [Alorton] E Mod; [Centreville] E Mod; [EXIT 17B] E;
 9.0" Radius, 1.5" Border, White on Brown;
 [Riverboat] E Mod; [Casino] E Mod; [EXIT 17B] E;

Table of widths and spaces.

40.3	A	13.3	3.5	I	2.5	4.1	8.8	4.1	r	1.6	t	3.0	o	8.7	4.1	n	8.5	40.3								
21.2	C	10.6	3.5	e	8.5	4.2	8.5	3.7	t	6.7	4.2	r	5.1	2.0	8.5	2.8	9.9	3.7	2.5	5.1	2.5	5.2	2.5	4.0	8.5	21.2
41.9	E	7.4	2.0	X	8.6	2.1	1.7	2.1	T	7.3	12.0	3.6	2.4	9.6	3.8	9.6	41.9									
12.0	R	24.0	10.0	10.6	4.5	I	2.5	3.7	v	9.9	2.7	8.5	4.1	6.5	3.1	8.5	2.9	8.8	2.9	8.4	3.8	6.6	12.0			
61.1	C	10.6	3.6	a	8.4	3.7	8.5	4.1	2.5	5.1	8.5	4.1	8.7	27.1												
41.9	E	7.4	2.0	X	8.6	2.1	1.7	2.1	T	7.3	12.0	3.6	2.4	9.6	3.8	9.6	41.9									

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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	164
				CONTRACT NO. 76E13
ILLINOIS FED. AID PROJECT				

STA 859+15 SOUTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE
 PROPOSED STANDARD SIGN E5-1P, 11.5' X 2.5'
 "17B" (TWO DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 225 SF
 SIGN PANEL - TYPE 3, 238.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E; [Missouri Ave] E Mod; [East St Louis] E Mod; [1/4 MILE] E;
 Table of widths and spaces.

54.2	36.0	15.0	15.7	2.8	8.8	2.5	9.5	2.5	8.8	54.2		
24.2	M	I	S	S	O	U	R	I	A	V	E	24.2
18.7	E	A	S	T	S	T	L	O	U	I	S	18.7
74.3	1/4	M	I	L	E	74.3						

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	DRAWN -	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	165
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 878+15 NORTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE
 PROPOSED STANDARD SIGNS E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)
 "EXIT 20" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 340 SF
 SIGN PANEL - TYPE 3, 337 SF



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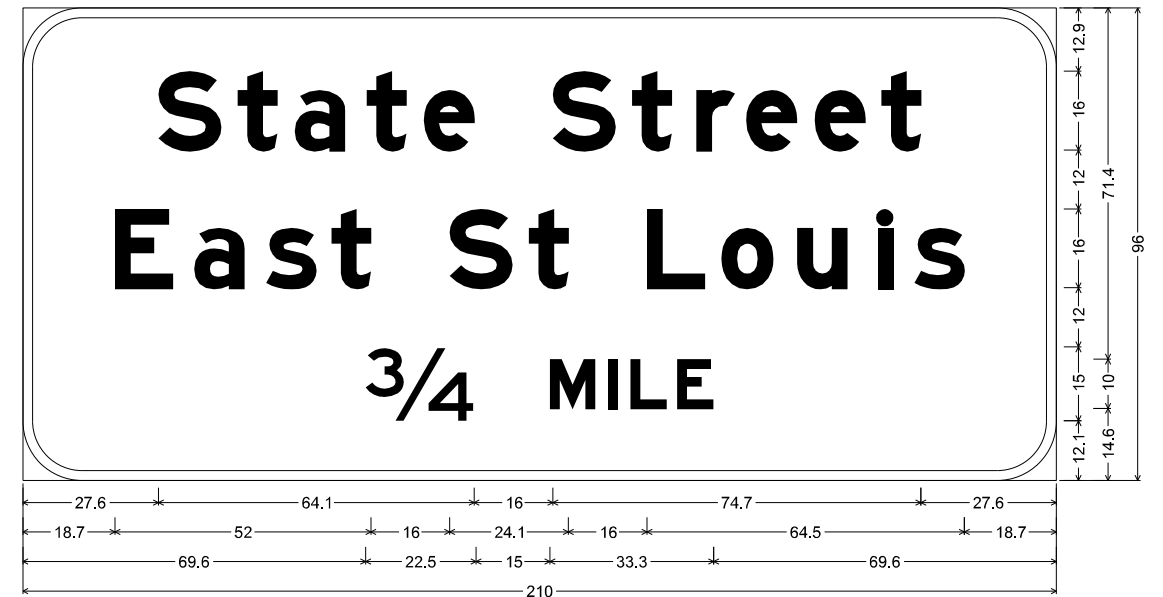
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	166
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E13	

STA 878+15 NORTHBOUND



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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	167
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 878+15 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURE
 PROPOSED GUIDE SIGN ON STRUCTURE
 PROPOSED STANDARD SIGN E1-5P, 14' X 2.5'
 "EXITS 17A-B" (TWO DIGIT EXIT NUMBER WITH DUAL LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 250 SF
 SIGN PANEL - TYPE 3, 245 SF



12.0" Radius, 2.0" Border, White on Green;
 [East St Louis] E Mod; [Belleville] E Mod; [3/4 MILE] E;
 Table of widths and spaces.

87.0	36.0	87.0																														
18.7	E	11.9	4.2	a	10.2	4.4	s	10.2	3.1	t	8.0	16.0	S	12.8	3.3	t	8.0	16.0	L	11.9	3.2	o	10.5	4.9	u	10.2	6.2	3.0	4.5	s	10.1	18.7
47.1	B	12.7	4.5	e	10.2	5.0	i	3.0	6.2	i	3.0	4.9	e	10.2	3.3	v	12.0	4.5	i	3.0	6.1	i	3.0	6.1	3.0	4.9	e	10.2	47.1			
69.9	3/4	M	15.0	9.2	2.6	1.7	2.6	L	7.3	2.1	E	7.3	69.9																			



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 OFFICE: Springfield
 DATE: 8/8/2019

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	168
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 898+50 NORTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED STANDARD SIGNS E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 185 SF
 SIGN PANEL - TYPE 3, 163.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [State Street] E Mod; [East St Louis] E Mod; [1/4 MILE] E;
 Table of widths and spaces.

27.6	S	12.7	3.4	8.0	3.6	10.1	4.5	8.0	3.6	10.2	16.0	12.7	3.4	8.0	5.0	7.8	2.4	10.2	3.7	10.2	3.3	8.0	27.6
18.7	E	11.9	4.2	10.2	4.4	10.2	3.1	8.0	16.0	12.8	3.3	8.0	16.0	11.9	3.2	10.5	4.9	10.2	6.2	3.0	4.5	10.1	18.7
71.8	1/4	18.5	15.0	9.2	2.6	1.7	2.6	7.4	2.0	7.4	71.8												

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

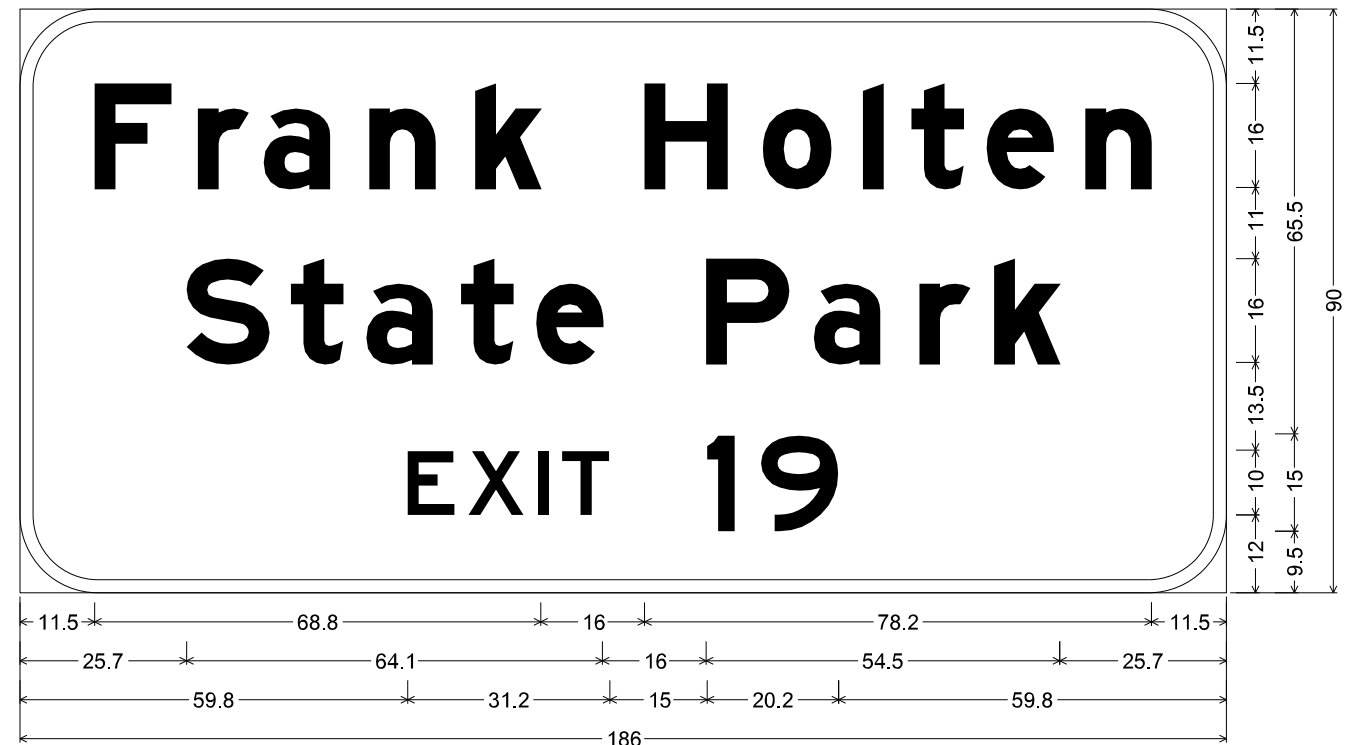
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	169
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 908+51 NORTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SIGN PANEL REMOVAL - TYPE 3, 101.5 SF
 SIGN PANEL - TYPE 3, 116.25 SF



12.0" Radius, 2.0" Border, White on Brown;
 [Frank Holten] E Mod; [State Park] E Mod; [EXIT 19] E;
 Table of widths and spaces.

11.5	F	11.9	4.0	r	7.8	2.4	a	10.1	6.2	n	10.2	6.1	k	10.1	16.0	H	12.8	5.5	o	10.5	4.9	l	3.0	4.4	t	8.0	3.6	e	10.2	5.1	n	10.2	11.5
25.7	S	12.7	3.4	t	8.0	3.6	a	10.1	4.5	t	8.0	3.6	e	10.2	16.0	P	12.8	3.8	a	10.1	6.2	r	7.8	3.7	k	10.1	25.7						
59.8	E	7.3	2.1	X	8.6	2.0	l	1.8	2.0	T	7.4	15.0	l	4.4	3.9	9	11.9	59.8															

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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	170
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

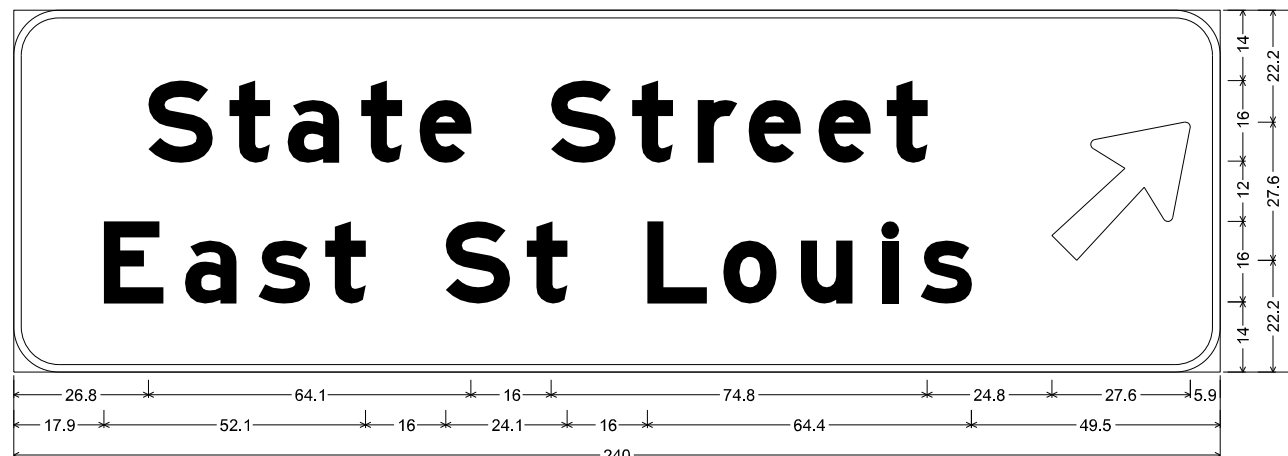
STA 918+48 NORTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE
 PROPOSED STANDARD SIGNS E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)
 "EXIT 20" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 325 SF
 SIGN PANEL - TYPE 3, 323.5 SF



12.0" Radius, 2.0" Border, White on Green;
 [Louisville] E Mod; [St Louis] E Mod; [1 1/4 MILES] E;
 Table of widths and spaces.

33.0	36.0	18.0	36.0	33.0														
L	o	u	i	s	v	i	l	e										
17.8	11.9	3.2	10.5	4.9	10.2	6.2	3.0	4.4	10.1	4.5	3.0	6.2	3.0	6.1	3.0	4.9	10.2	17.8
S	t	L	o	u	i	s												
25.7	12.8	3.3	8.0	16.0	11.9	3.2	10.5	4.9	10.2	6.2	3.0	4.5	10.1	25.7				
I	1/4	M	I	L	E	S												
30.1	4.4	15.0	18.5	15.0	9.3	2.5	1.8	2.5	7.4	2.0	7.4	2.0	8.0	30.1				



9.0" Radius, 1.5" Border, White on Green;
 [State Street] E Mod; [East St Louis] E Mod; Arrow 160 - 35.0" 45°;
 Table of widths and spaces.

26.8	64.1	16	74.8	24.8	27.6	5.9																		
S	t	a	t	e	S	t	r	e	e	t	↗													
26.8	12.7	3.4	8.0	3.6	10.1	4.5	8.0	3.6	10.2	16.0	12.8	3.3	8.0	5.1	7.8	2.3	10.2	3.7	10.2	3.4	8.0	24.8	27.6	5.9
E	a	s	t	S	t	L	o	u	i	s														
17.9	11.9	4.3	10.1	4.5	10.1	3.2	8.0	16.0	12.7	3.4	8.0	16.0	11.8	3.3	10.5	4.9	10.2	6.1	3.0	4.5	10.1	49.5		

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	171
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 923+56 NORTHBOUND
 EXISTING STANDARD SIGN ON WOOD SIGN SUPPORTS
 PROPOSED STANDARD SIGN E5-1a, 6.5' X 5', ON NEW WOOD SIGN SUPPORTS
 "19" (2 DIGIT EXIT NUMBER WITH SINGLE LETTER SUFFIX)

SIGN PANEL REMOVAL - TYPE 3, 30 SF
 REMOVE GROUND MOUNTED SIGN SUPPORT, 2 EA
 SIGN PANEL - TYPE 3, 32.5 SF
 WOOD SIGN SUPPORT, 34'



MODEL: Default
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PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

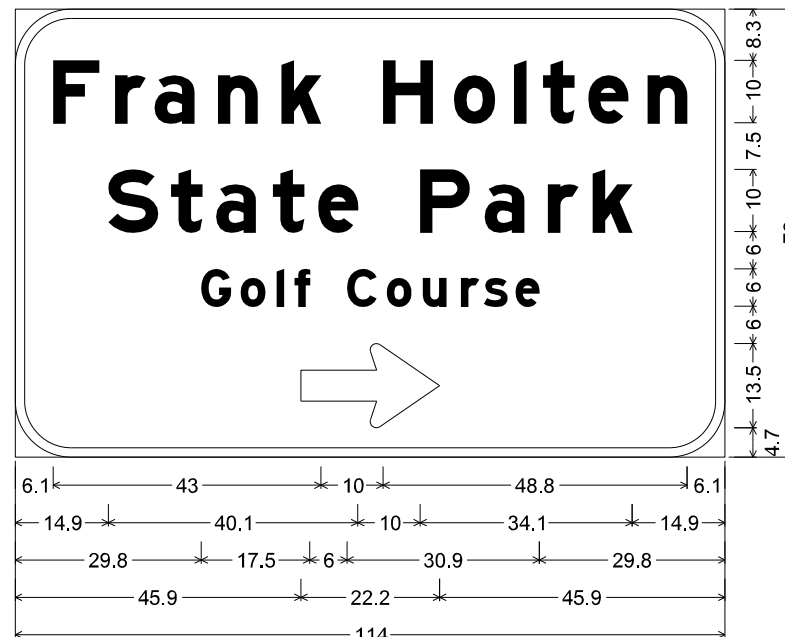
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	172
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

STATE STREET RAMPS SOUTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGNS ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SOUTHBOUND RAMPS

SIGN PANEL REMOVAL - TYPE 3, 129 SF
 SIGN PANEL - TYPE 3, 128.5 SF



9.0" Radius, 1.5" Border, White on Brown;
 [Frank Holten] E Mod; [State Park] E Mod; [Golf Course] E Mod;
 Standard Arrow Custom 22.3" X 13.5" 0°;

Table of widths and spaces.

F	r	a	n	k								
6.1	7.4	2.5	4.9	1.5	6.3	3.8	6.4	3.8	6.4			
H	o	l	t	e	n							
10.0	7.9	3.5	6.5	3.1	1.9	2.8	5.0	2.2	6.4	3.1	6.4	6.1
S	t	a	t	e								
14.9	8.0	2.1	5.0	2.2	6.4	2.8	5.0	2.2	6.4			
P	a	r	k									
10.0	8.0	2.4	6.3	3.8	4.9	2.3	6.4	14.9				
G	o	l	f									
29.8	4.8	1.6	3.9	1.9	1.1	1.8	2.4					
C	o	u	r	s	e							
6.0	4.8	1.6	3.9	1.8	3.9	2.3	2.9	0.7	3.8	1.3	3.9	29.8
⇒												
45.9	22.2	45.9										



9.0" Radius, 1.5" Border, White on Green;
 Standard Arrow Custom 17.9" X 10.9" 180°; [Belleville] E Mod; [East St. Louis] E Mod;
 Standard Arrow Custom 17.9" X 10.9" 0°;

Table of widths and spaces.

←	B	e	l	l	e	v	i	l	e													
10.5	17.9	10.7	8.5	3.0	6.8	3.3	2.0	4.1	2.0	3.3	6.8	2.2	8.0	3.0	2.0	4.1	2.0	4.0	2.0	3.3	6.8	39.7
-0.0	156.0	0.0																				
E	a	s	t	S	t	L	o	u	i	s												
10.5	8.0	2.8	6.7	3.0	6.8	2.1	5.3	10.7	8.5	2.2	5.3	10.7	7.9	2.2	7.0	3.3	6.8	4.0	2.0	3.0	6.8	
⇒																						
6.0	17.9	6.5																				

MODEL: Default
 FILE: Model - Signage - 76E13 - CAD Data - CAD Sheets - 76E13 - sht - sign.dgn
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PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	173
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STATE STREET RAMPS NORTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGNS ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SIGN PANEL REMOVAL - TYPE 3, 129 SF
 SIGN PANEL - TYPE 3, 128.5 SF

NORTHBOUND RAMPS

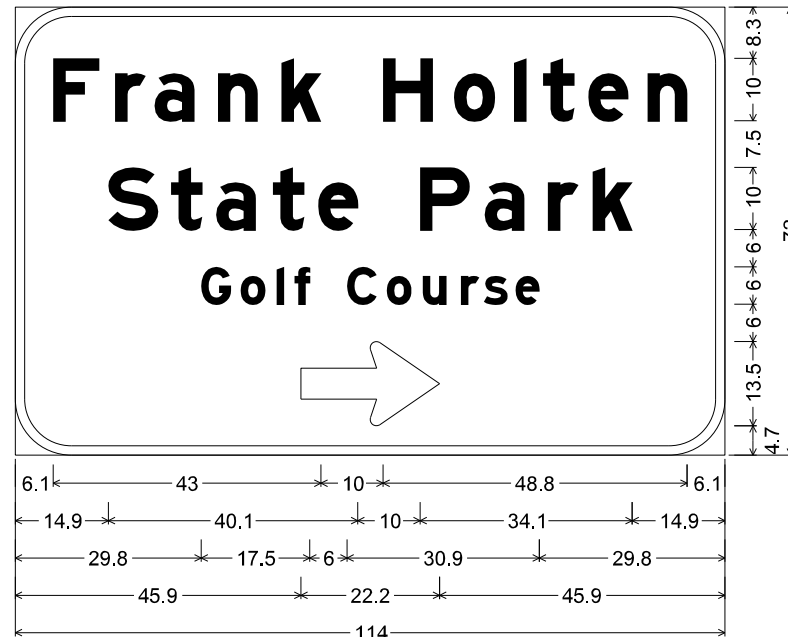


Table of widths and spaces.

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		10.0	7.9	3.5	o	6.5	3.1	l	1.9	2.8	t	5.0	2.2	e	6.4	3.1	n	6.4	6.1
14.9	S	8.0	2.1	t	5.0	2.2	a	6.4	2.8	t	5.0	2.2	e	6.4					
		10.0	8.0	2.4	a	6.3	3.8	r	4.9	2.3	k	6.4	14.9						
29.8	G	4.8	1.6	o	3.9	1.9	l	1.1	1.8	f	2.4								
		6.0	4.8	1.6	o	3.9	1.8	u	3.9	2.3	r	2.9	0.7	s	3.8	1.3	e	3.9	29.8
45.9		⇒	22.2	45.9															



Table of widths and spaces.

10.5	↵	17.9	10.7	B	8.5	3.0	e	6.8	3.3	l	2.0	l	2.0	3.3	e	6.8	2.2	v	8.0	3.0	i	2.0	4.1	2.0	4.0	2.0	3.3	e	6.8	39.7
-0.0		156.0	0.0																											
10.5	E	8.0	2.8	a	6.7	3.0	s	6.8	2.1	t	5.3	10.7	s	8.5	2.2	5.3	10.7	L	7.9	2.2	7.0	3.3	6.8	4.0	2.0	3.0	6.8			
		6.0	↵	17.9	6.5																									

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

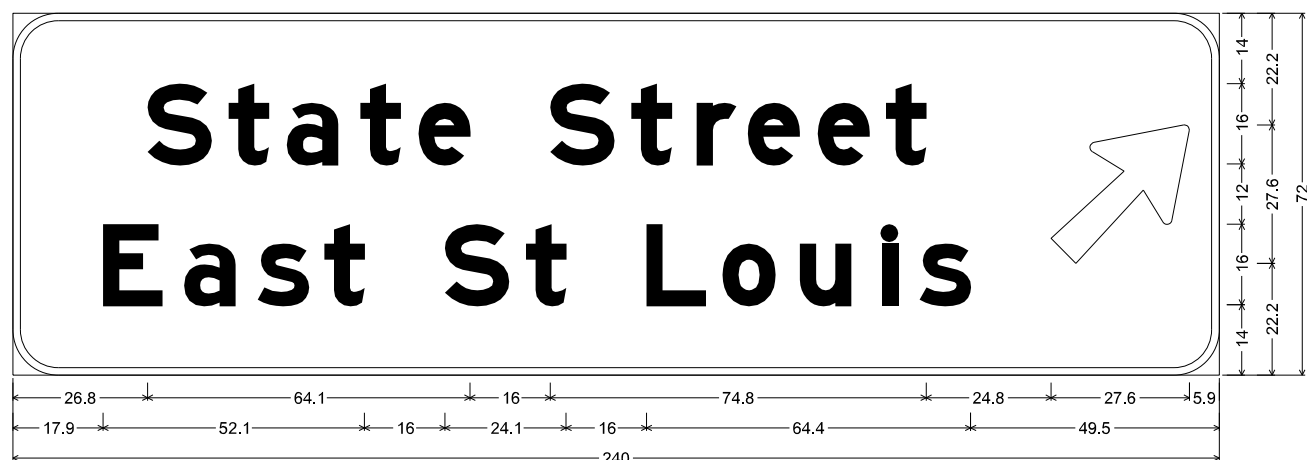
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	174
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 939+01 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED STANDARD SIGN E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 222 SF
 SIGN PANEL - TYPE 3, 140.75 SF



9.0" Radius, 1.5" Border, White on Green;
 [State Street] E Mod; [East St Louis] E Mod; Arrow 160 - 35.0" 45°;

Table of widths and spaces.

26.8	S	12.7	3.4	t	8.0	3.6	a	10.1	4.5	t	8.0	3.6	e	10.2	16.0	S	12.8	3.3	t	8.0	5.1	r	7.8	2.3	e	10.2	3.7	e	10.2	3.4	t	8.0	24.8	27.6	5.9
17.9	E	11.9	4.3	a	10.1	4.5	s	10.1	3.2	t	8.0	16.0	S	12.7	3.4	t	8.0	16.0	L	11.8	3.3	o	10.5	4.9	u	10.2	6.1	l	3.0	4.5	s	10.1	49.5		



MODEL: Default
 FILE: Model: Signplanroom.dwg
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USER NAME = bergmd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	175
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 950+17 NORTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED STANDARD SIGN E1-5P, 9.5' X 2.5'
 "EXIT 20" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 256 SF
 SIGN PANEL - TYPE 3, 279.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [Louisville] E Mod; [St Louis] E Mod; [1/4 MILE] E;
 Table of widths and spaces.

36.0	48.0	24.0	48.0	36.0
L	o	u	i	s
14.8	4.1	13.1	6.1	12.8
7.6	3.8	5.6	12.6	4.0
14.9	5.6	3.7	7.7	3.8
7.6	3.8	6.1	12.8	20.7
S	t	L	o	u
16.0	4.2	10.0	20.0	14.8
4.1	13.1	6.1	12.8	7.6
3.8	5.6	12.7	30.6	
1/4	M	I	L	E
22.2	18.0	11.1	3.1	2.0
3.1	3.1	8.8	2.5	8.8
56.2				56.2



MODEL: Default
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USER NAME = bergmd	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

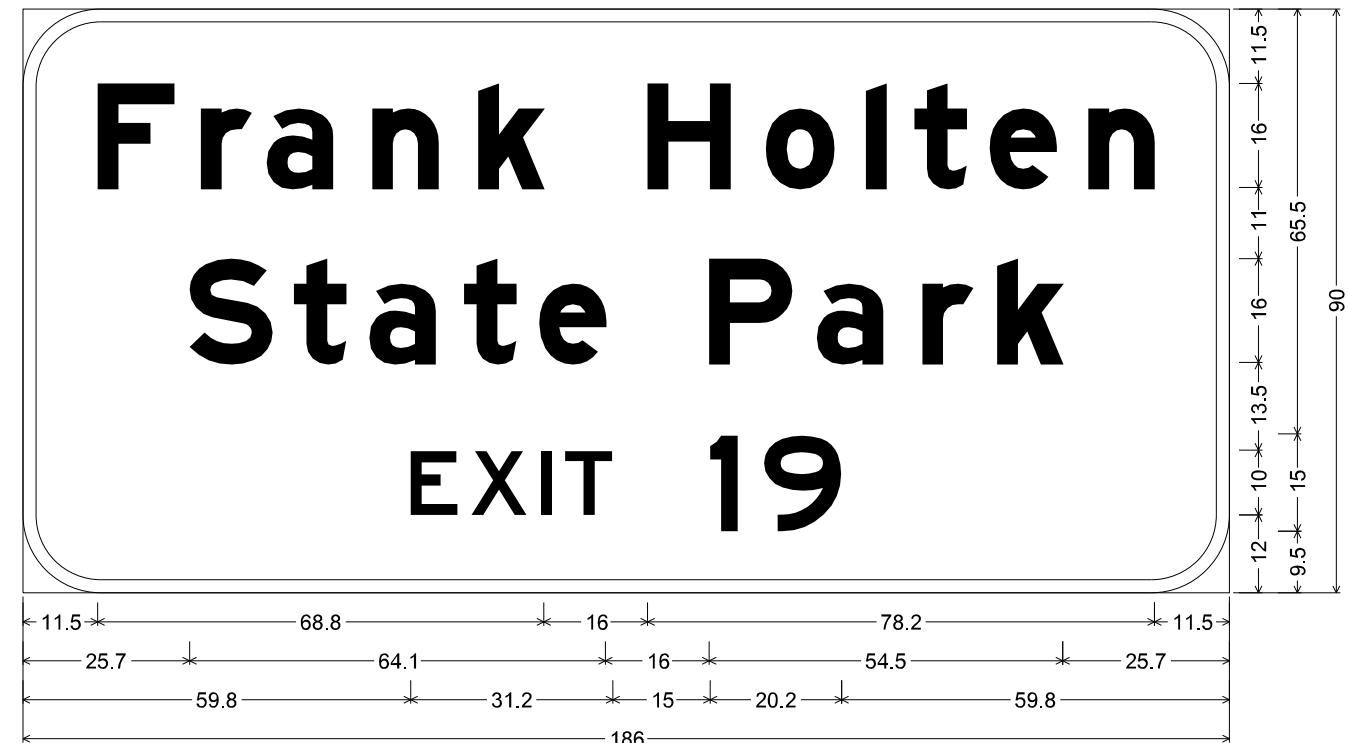
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	176
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 950+64 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS

SIGN PANEL REMOVAL - TYPE 3, 101.5 SF
 SIGN PANEL - TYPE 3, 116.25 SF



MODEL: Default
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USER NAME = bergmd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	177
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

STA 950+90 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED STANDARD SIGNS E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 185 SF
 SIGN PANEL - TYPE 3, 163.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [State Street] E Mod; [East St Louis] E Mod; [1/4 MILE] E;
 Table of widths and spaces.

27.6	S	12.7	3.4	t	8.0	3.6	a	10.1	4.5	t	8.0	3.6	e	10.2	16.0	S	12.7	3.4	t	8.0	5.0	r	7.8	2.4	e	10.2	3.7	e	10.2	3.3	t	8.0	27.6
18.7	E	11.9	4.2	a	10.2	4.4	s	10.2	3.1	t	8.0	16.0	S	12.8	3.3	t	8.0	16.0	L	11.9	3.2	o	10.5	4.9	u	10.2	6.2	i	3.0	4.5	s	10.1	18.7
71.8	1/4	18.5	15.0	M	9.2	2.6	l	1.7	2.6	L	7.4	2.0	E	7.4	71.8																		

MODEL: Default
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	DRAWN -	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	178
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

STA 1023+48 NORTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE
 PROPOSED STANDARD SIGN E1-5P, 9.5' X 2.5'
 "EXIT 20" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 500 SF
 SIGN PANEL - TYPE 3, 483 SF



MODEL: Default
 FILE: \\nas101.pw.state.il.us\pub\lanroom\data\illinois.gov\PWIDOT\Documents\DOT_Offices\District 8\Projects\0876E13\CADD\data\CAD\sheet\0876E13-eh-sign.dgn

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PLOT DATE = 8/8/2019	DATE -	REVISED -

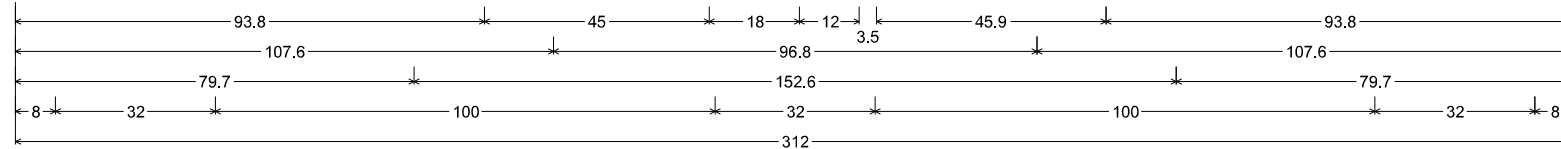
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	179
				CONTRACT NO. 76E13
		ILLINOIS	FED. AID PROJECT	

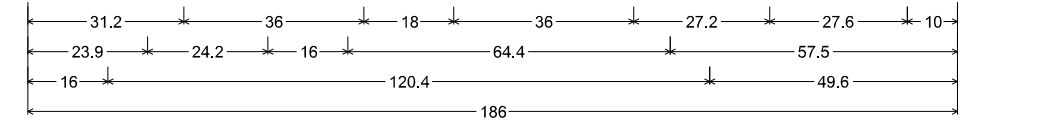
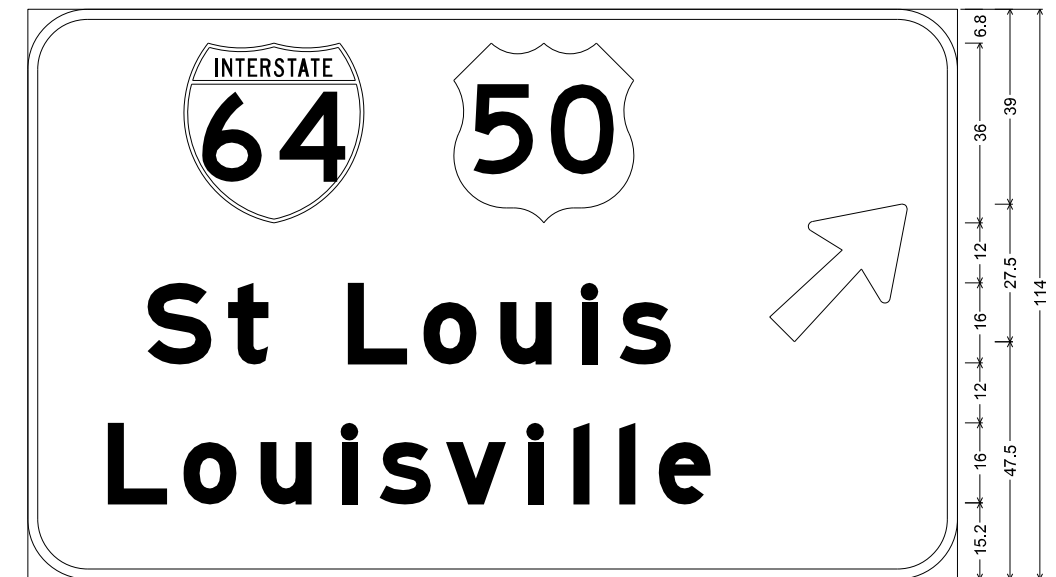
STA 1023+48 NORTHBOUND



12.0" Radius, 2.0" Border, White on Green;
 [NORTH] E; [Chicago] E Mod; [Indianapolis] E Mod; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;

Table of widths and spaces.

93.8	45.0	18.0	12.0	3.5	9.9	3.1	9.6	2.4	8.8	2.5	9.6	93.8																									
107.6	C	12.8	5.2	h	10.2	6.2	3.0	4.9	c	10.1	3.7	a	10.2	4.9	g	10.2	4.9	o	10.5	107.6																	
79.7	l	3.2	6.5	n	10.2	4.9	d	10.2	6.2	l	3.0	4.9	a	10.1	6.2	n	10.2	4.9	a	10.1	6.1	p	10.2	3.5	o	10.5	4.9	3.0	6.1	3.0	4.5	s	10.2	79.7			
8.0	↓	32.0	100.0	↓	32.0	100.0	↓	32.0	8.0																												



12.0" Radius, 2.0" Border, White on Green;
 [St Louis] E Mod; [Louisville] E Mod; Arrow 160 - 35.0" 45°;

Table of widths and spaces.

31.2	36.0	18.0	36.0	27.2	27.6	10.0																						
23.9	S	12.8	3.4	t	8.0	16.0	L	11.8	3.3	o	10.5	4.9	u	10.2	6.1	l	3.0	4.5	s	10.1	57.5							
16.0	L	11.9	3.3	o	10.5	4.9	u	10.2	6.1	l	3.0	4.5	s	10.1	3.2	v	11.9	4.5	l	3.0	6.1	3.0	6.1	3.0	4.9	e	10.2	49.6

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	180
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E13	

STA 1029+76 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED GUIDE SIGN ON EXISTING STRUCTURAL STEEL SIGN SUPPORTS
 PROPOSED STANDARD SIGN E1-5P, 9.5' X 2.5'
 "EXIT 19" (TWO DIGIT EXIT NUMBER)

SIGN PANEL REMOVAL - TYPE 3, 185 SF
 SIGN PANEL - TYPE 3, 163.75 SF



12.0" Radius, 2.0" Border, White on Green;
 [State Street] E Mod; [East St Louis] E Mod; [3/4 MILE] E;
 Table of widths and spaces.

27.6	S	12.7	3.4	t	8.0	3.6	a	10.1	4.5	t	8.0	3.6	e	10.2	16.0	S	12.7	3.4	t	8.0	5.0	r	7.8	2.4	e	10.2	3.7	e	10.2	3.3	t	8.0	27.6
18.7	E	11.9	4.2	a	10.2	4.4	s	10.2	3.1	t	8.0	16.0	S	12.8	3.3	t	8.0	16.0	L	11.9	3.2	o	10.5	4.9	u	10.2	6.2	i	3.0	4.5	s	10.1	18.7
69.9	3/4	22.4	15.0	M	9.2	2.6	I	1.7	2.6	L	7.3	2.1	E	7.3	69.9																		

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USER NAME = bergmd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -						255	82-(3,2)RS	ST. CLAIR	280	181
PLOT DATE = 8/8/2019	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76E13				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

STA 1035+95 NORTHBOUND
 EXISTING GUIDE SIGNS ON STRUCTURE
 PROPOSED GUIDE SIGNS ON STRUCTURE

SIGN PANEL REMOVAL - TYPE 3, 275 SF
 SIGN PANEL - TYPE 3, 272.75 SF



MODEL: Default
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PLOT DATE = 8/8/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	182
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

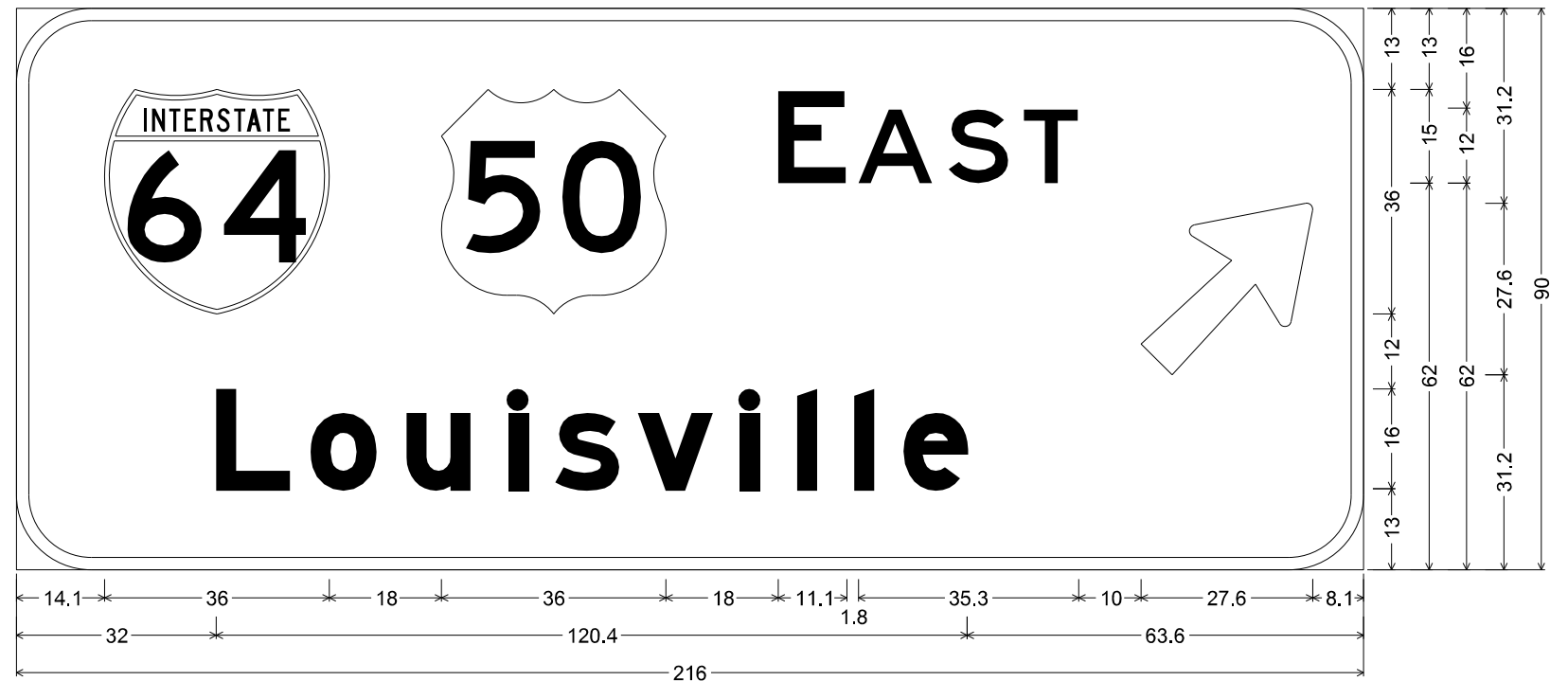
STA 1035+95 NORTHBOUND



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E; [St Louis] E Mod; [1/4 MILE] E;

Table of widths and spaces.

20.7	36.0	18.0	W	15.7	2.8	E	8.8	2.5	S	9.5	2.5	T	8.8	18.7						
20.7	S	12.8	3.3	t	8.0	L	11.9	3.2	o	10.5	5.0	u	10.2	6.1	i	3.0	4.5	s	10.1	18.7
39.8	1/4	18.5	15.0	M	9.3	I	1.8	2.5	L	7.4	2.0	E	7.4	37.8						



12.0" Radius, 2.0" Border, White on Green;
 [EAST] E; [Louisville] E Mod; Arrow 160 - 35.0" 45°;

Table of widths and spaces.

14.1	36.0	18.0	50	36.0	18.0	E	11.1	1.8	A	12.0	2.5	S	9.6	2.4	T	8.8	10.0	27.6	8.1											
32.0	L	11.9	3.3	o	10.5	4.9	u	10.2	6.1	i	3.0	4.5	s	10.1	3.2	v	11.9	4.5	i	3.0	6.1	i	3.0	6.1	i	3.0	4.9	e	10.2	63.6

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	DRAWN -	REVISED -
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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

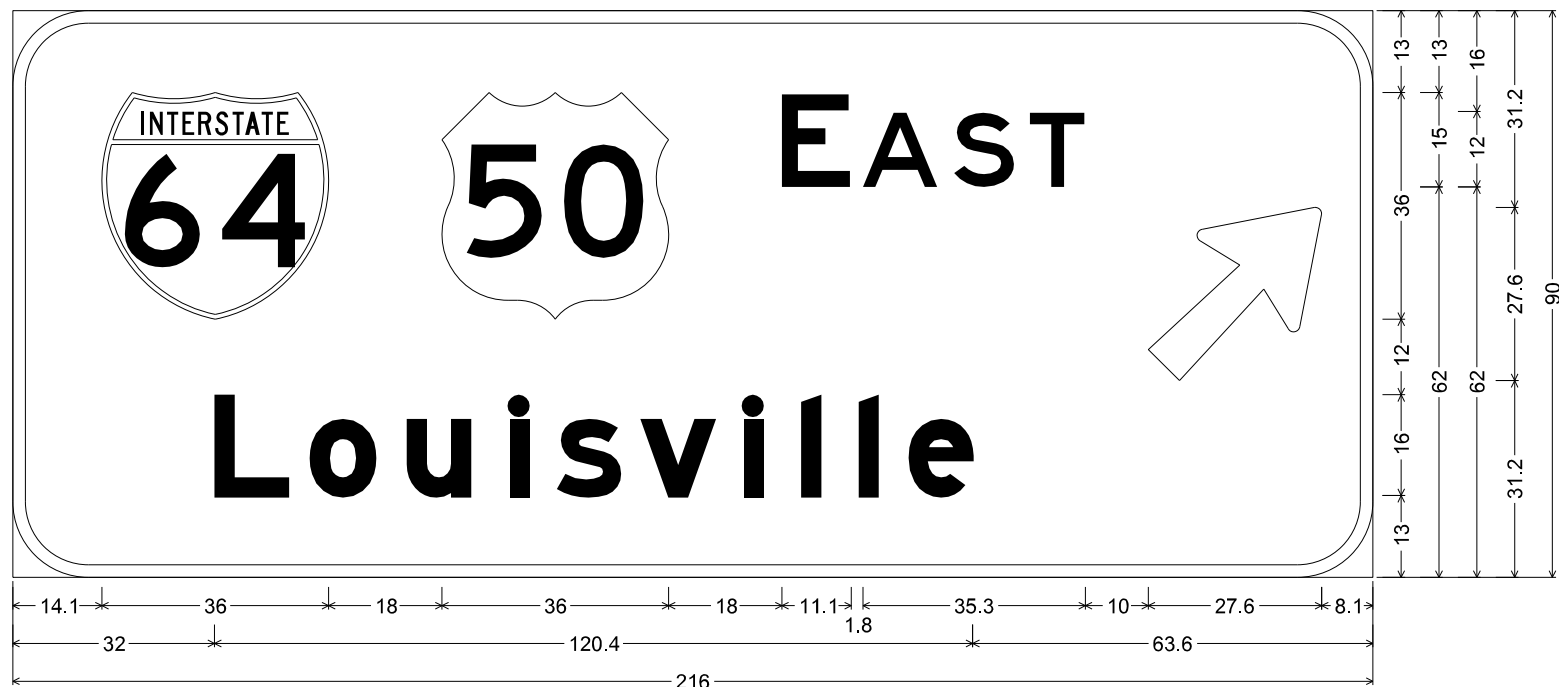
SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	183
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STA 1048+02 SOUTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURE
 PROPOSED GUIDE SIGN ON STRUCTURE

SIGN PANEL REMOVAL - TYPE 3, 135 SF
 SIGN PANEL - TYPE 3, 135 SF



12.0" Radius, 2.0" Border, White on Green;

[EAST] E; [Louisville] E Mod; Arrow 160 - 35.0" 45°;

Table of widths and spaces.

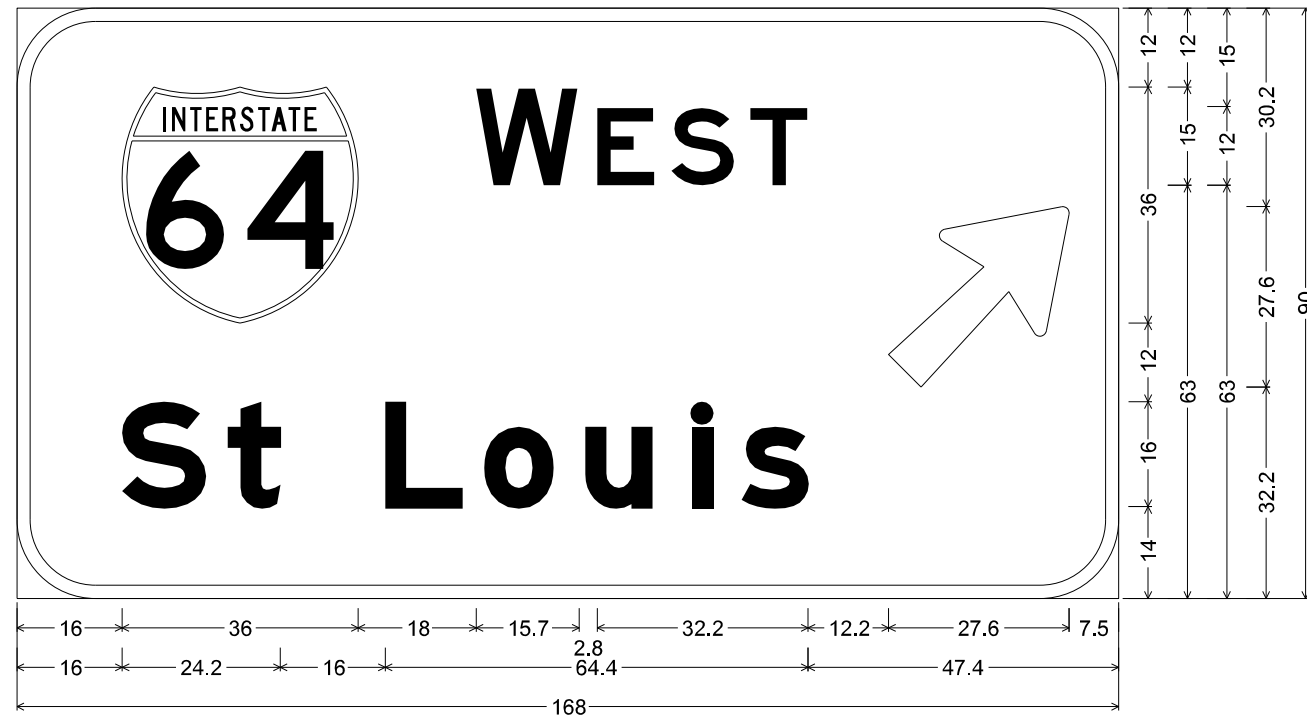
14.1		36.0	18.0		18.0	E	11.1	A	12.0	2.5	S	9.6	T	2.4	8.8		27.6	8.1							
32.0	L	11.9	3.3	o	10.5	u	4.9	i	10.2	6.1	s	3.0	v	11.9	4.5	i	3.0	6.1	3.0	6.1	3.0	4.9	e	10.2	63.6

MODEL: Default
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USER NAME = bergmd DESIGNED - DRAWN - PLOT SCALE = 2,0000' / in. PLOT DATE = 8/8/2019				DESIGNED - REVISED - CHECKED - DATE -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SIGNING PLANS				F.A.I. RTE. 255 SECTION 82-(3.2)RS COUNTY ST. CLAIR TOTAL SHEETS 280 SHEET NO. 184 CONTRACT NO. 76E13		SCALE: SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT	
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STA 1055+01 NORTHBOUND
 EXISTING GUIDE SIGN ON STRUCTURE
 PROPOSED GUIDE SIGN ON STRUCTURE

SIGN PANEL REMOVAL - TYPE 3, 105 SF
 SIGN PANEL - TYPE 3, 105 SF



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E; [St Louis] E Mod; Arrow 160 - 35.0" 45°;
 Table of widths and spaces.

16.0	36.0	18.0	15.7	2.8	8.8	2.5	9.6	2.4	8.9	12.2	27.6	7.5									
16.0	S	12.8	3.4	t	8.0	16.0	L	11.8	3.3	o	10.5	4.9	u	10.2	6.1	l	3.0	4.5	s	10.1	47.4



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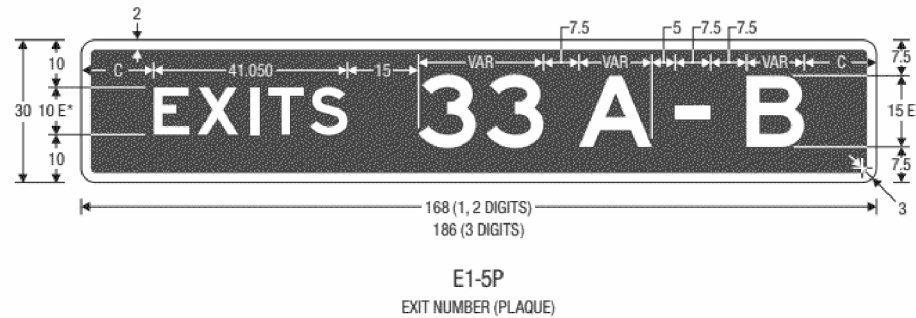
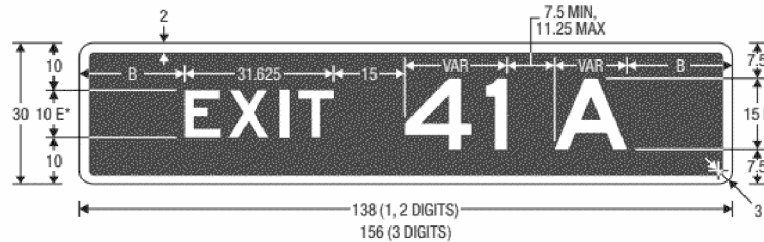
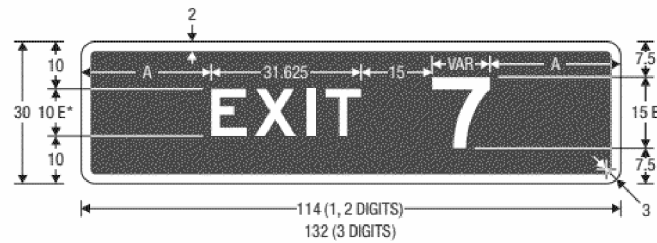
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	DRAWN -	REVISED -
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PLOT DATE = 8/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	185
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



* Increase character spacing 20%.

THE EXIT NUMBER SHALL BE DISPLAYED ON A SEPARATE PLAQUE AT THE TOP OF THE ADVANCE GUIDE OR EXIT DIRECTION SIGN.

EXIT NUMBER (E1-5P) PLAQUES SHOULD BE ADDED TO THE TOP RIGHT-HAND EDGE OF THE SIGN FOR AN EXIT TO THE RIGHT.

Sign or Plaque	Sign Designation	Section	Minimum Size
Exit Number (plaque)			
1-, 2-Digit Exit Number	E1-5P	2E.31	114 x 30
3-Digit Exit Number	E1-5P	2E.31	132 x 30
1-, 2-Digit Exit Number (with single letter suffix)	E1-5P	2E.31	138 x 30
3-Digit Exit Number (with single letter suffix)	E1-5P	2E.31	156 x 30
1-, 2-Digit Exit Number (with dual letter suffix)	E1-5P	2E.31	168 x 30
3-Digit Exit Number (with dual letter suffix)	E1-5P	2E.31	186 x 30
Left (plaque)	E1-5aP	2E.33	72 x 30

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PLOT DATE = 8/8/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	187
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Road will be closed during construction and traffic will be detoured.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with the concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of existing concrete.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. See Special Provisions.

Cleaning and painting of the existing structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures." All structural steel shall be cleaned per Near-White Blast Cleaning SSPC-SP10.

The designated areas cleaned per Near-White Blast Cleaning SSPC-SP10 shall be painted according to the requirements of paint system 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray (Munsell No. 5B 7/1). The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown (Munsell No. 2.5YR 3/4).

A minimum of two high volume air monitors will be requested to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

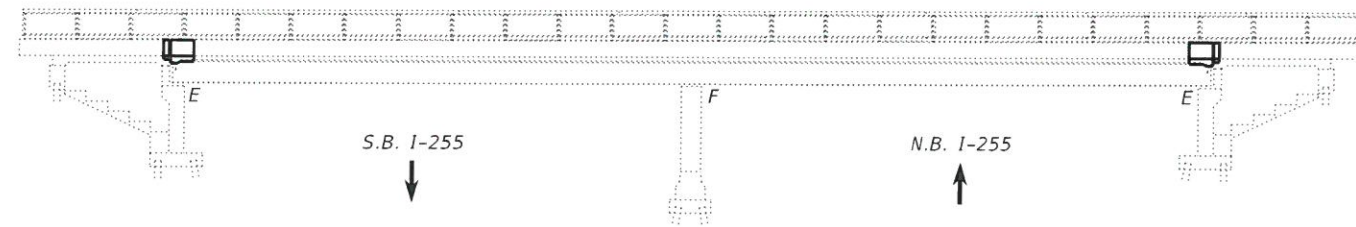
The painting contractor shall be SPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

The Contractor shall use extreme care during concrete removal not to damage the structural steel and pedestrian railing.

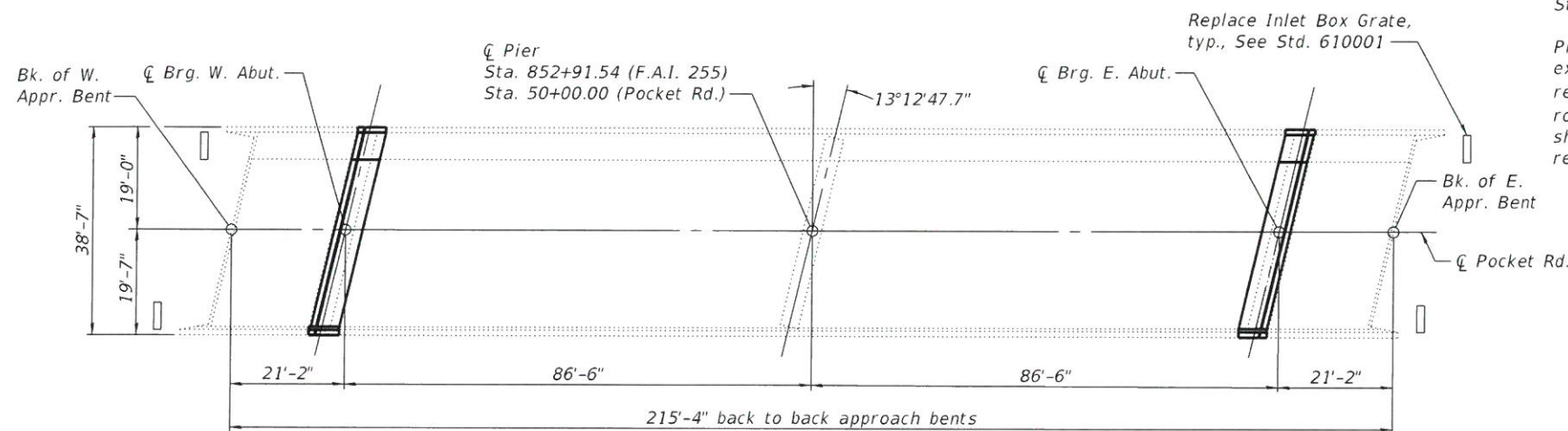
Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications, when the deck is poured at an ambient temperature other than 50°F.

The new concrete on both sides of the joints shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Prior to concrete removal at expansion joints, the Contractor shall remove the section(s) of pedestrian railing at the expansion joints. Existing post anchorage devices affected by the removal of concrete at the expansion joints shall be replaced by drilling and setting 3/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Anchor rod embedment shall be according to the manufacturer's specifications. Each post requiring anchor device replacement shall have 4 anchor rods spaced to accommodate existing base plates. The cost of all work and materials associated with removing and reinstalling the existing pedestrian railing shall be included with Concrete Superstructure.



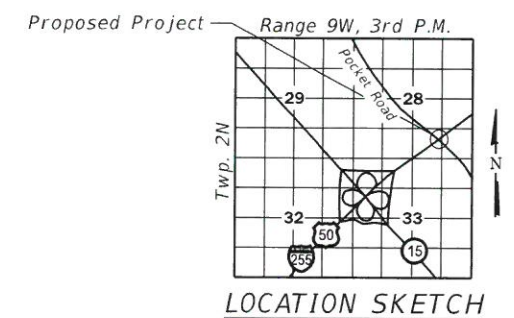
ELEVATION



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	9.7
Concrete Superstructure	Cu. Yd.	9.7
Protective Coat	Sq. Yd.	30
Reinforcement Bars, Epoxy Coated	Pound	1,250
Preformed Joint Strip Seal	Foot	76
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1
Remove and Replace Inlet Box 610001 Grates	Each	4



LOCATION SKETCH

SCOPE OF WORK

1. Replace abutment joints including ADA sliding plates for expansion joints through sidewalk
2. Replace shoulder drain grates
3. Paint all structural steel excluding pedestrian fence

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	Joint Removal
3	Joint Replacement
4	Joint Details
5-6	Preformed Joint Strip Seal
7-9	Existing Bridge Plans

DATE: 8/9/2019

 EXPIRATION: 11/30/2020

GENERAL PLAN & ELEVATION
POCKET ROAD OVER I-255
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 852+91.54
STRUCTURE NO. 082-0232

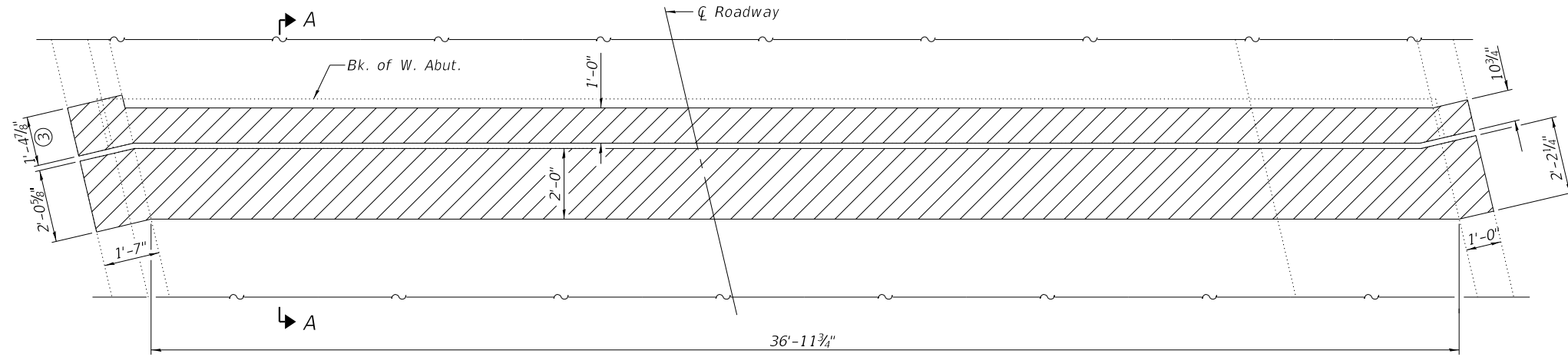
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OATES ASSOCIATES
 www.oatesassociates.com
 ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

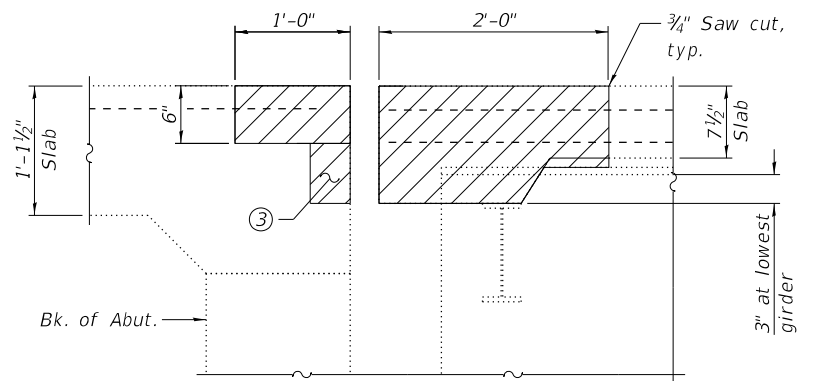
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

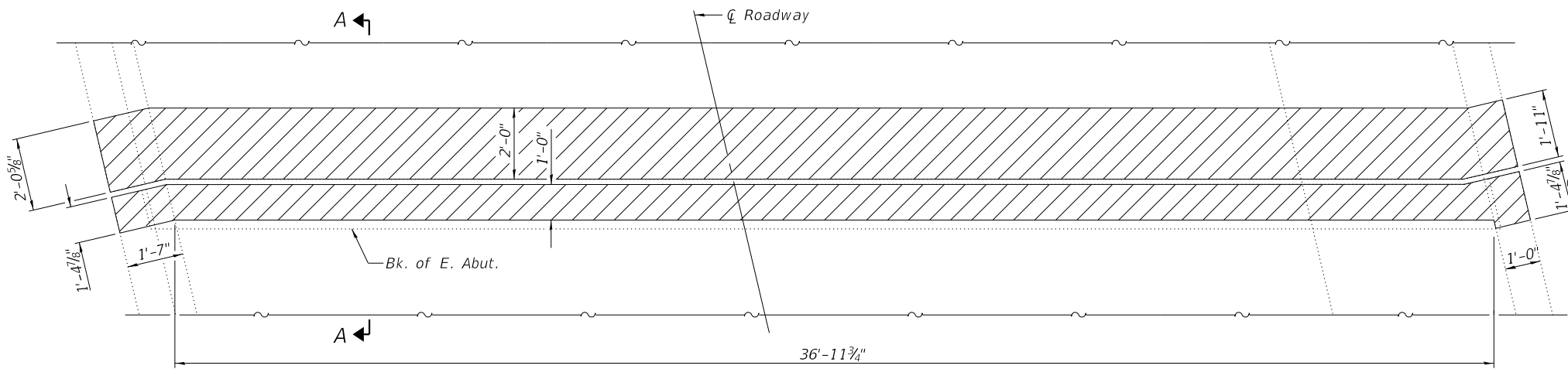
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	188
CONTRACT NO. 76E13				



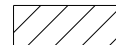
WEST ABUTMENT



SECTION A-A (1)
(Dim. at Rt. L's)



EAST ABUTMENT

 Concrete Removal

Notes:

- ① Existing reinforcement bars shown are to be cleaned, straightened, and incorporated into new construction.
- ② For Bill of Material, see sheet 4 of 9.
- ③ Remove concrete at edge of approach slabs as directed by the Engineer to accommodate expansion.

FILE NAME: H:\P\17025\17025.003\17025.003\Bridge\Microstation\0820232-76E13-002_Joint Removal.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	DESIGNED - MAM	REVISED -
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PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

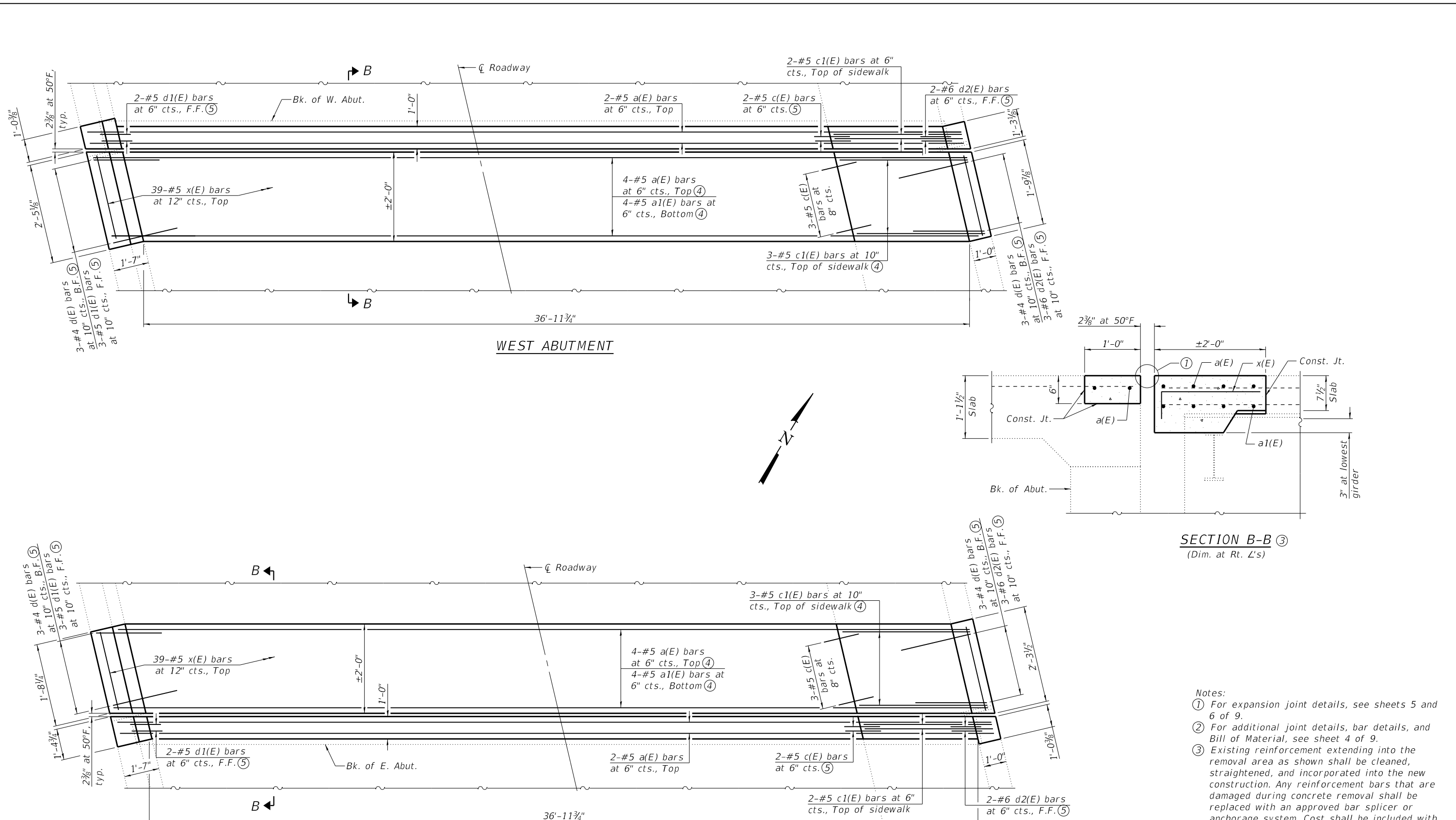
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REMOVAL
STRUCTURE NO. 082-0232

SHEET 2 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	189
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P\17025\17025.003\Bridges\Microstation\0820232-76E13-003_Joint_Replacement.dgn



SECTION B-B ③
(Dim. at Rt. L's)

- Notes:
- ① For expansion joint details, see sheets 5 and 6 of 9.
 - ② For additional joint details, bar details, and Bill of Material, see sheet 4 of 9.
 - ③ Existing reinforcement extending into the removal area as shown shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - ④ Cut bars as required to fit skewed ends.
 - ⑤ Fan bars as required to fit skewed ends.
 - ⑥ B.F. denotes Back Face.
F.F. denotes Front Face.



USER NAME =	DESIGNED - MAM	REVISED -
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PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
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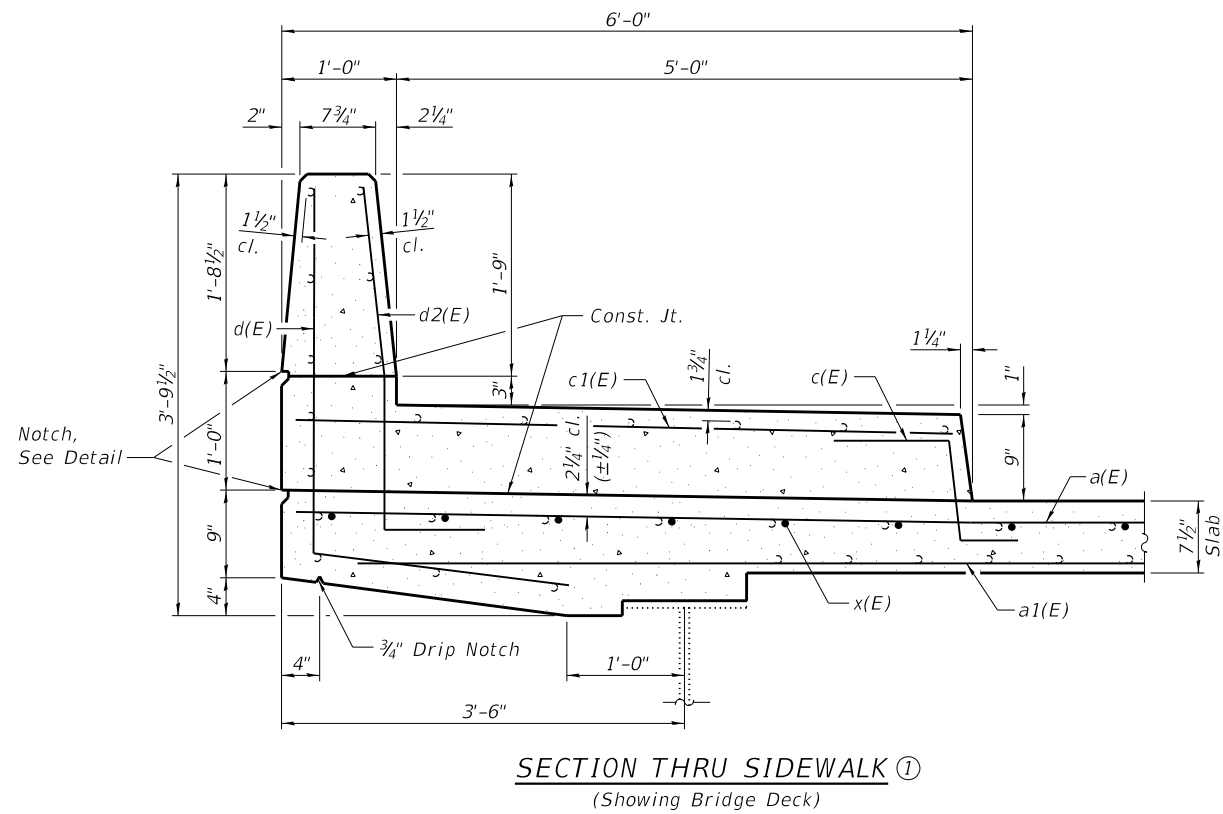
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REPLACEMENT
STRUCTURE NO. 082-0232**

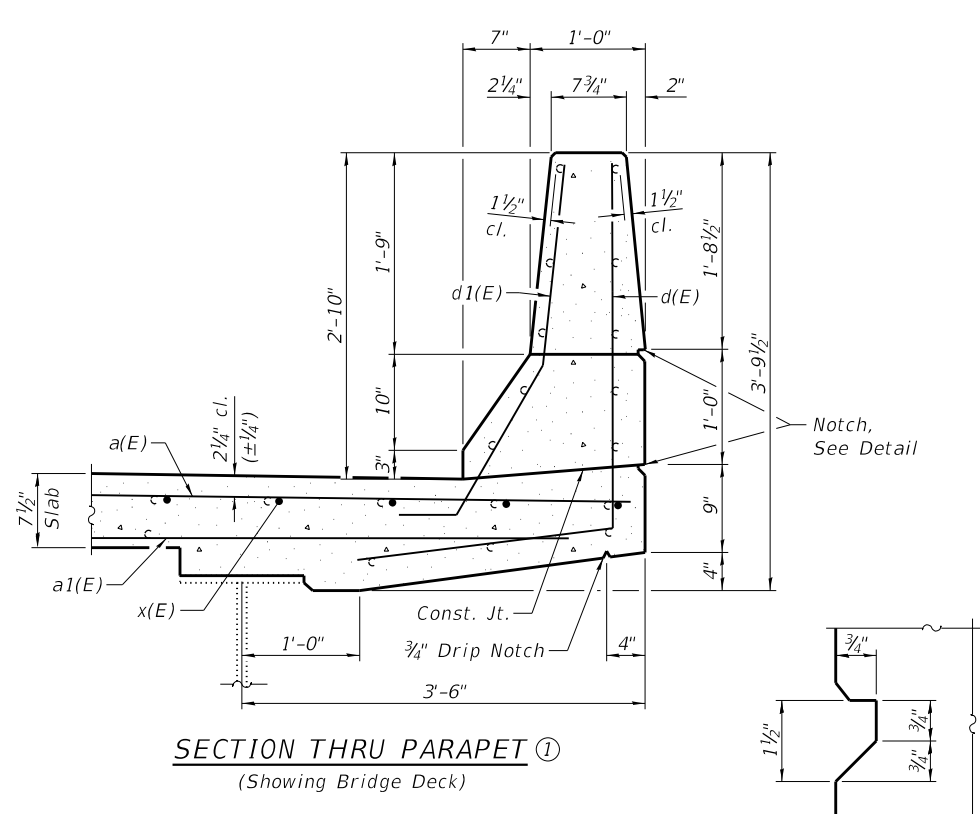
SHEET 3 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				

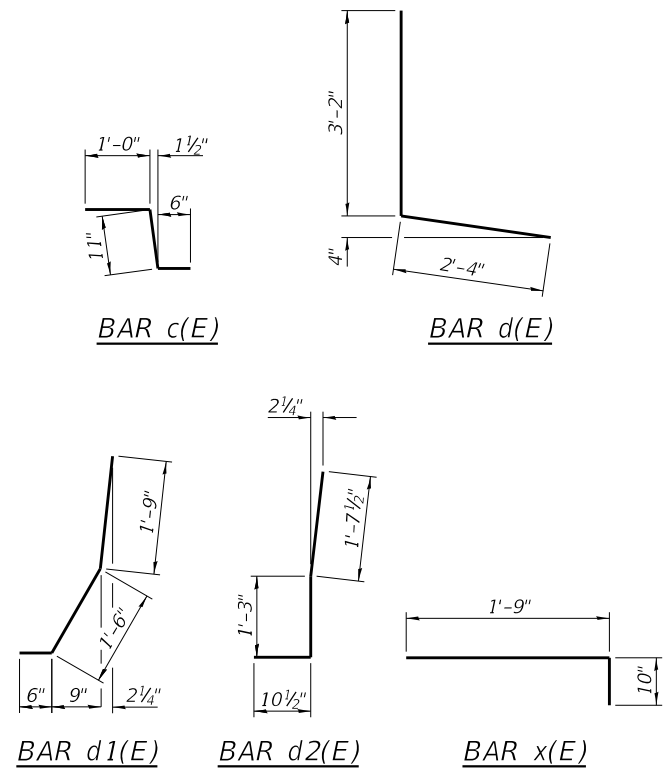
ILLINOIS FED. AID PROJECT



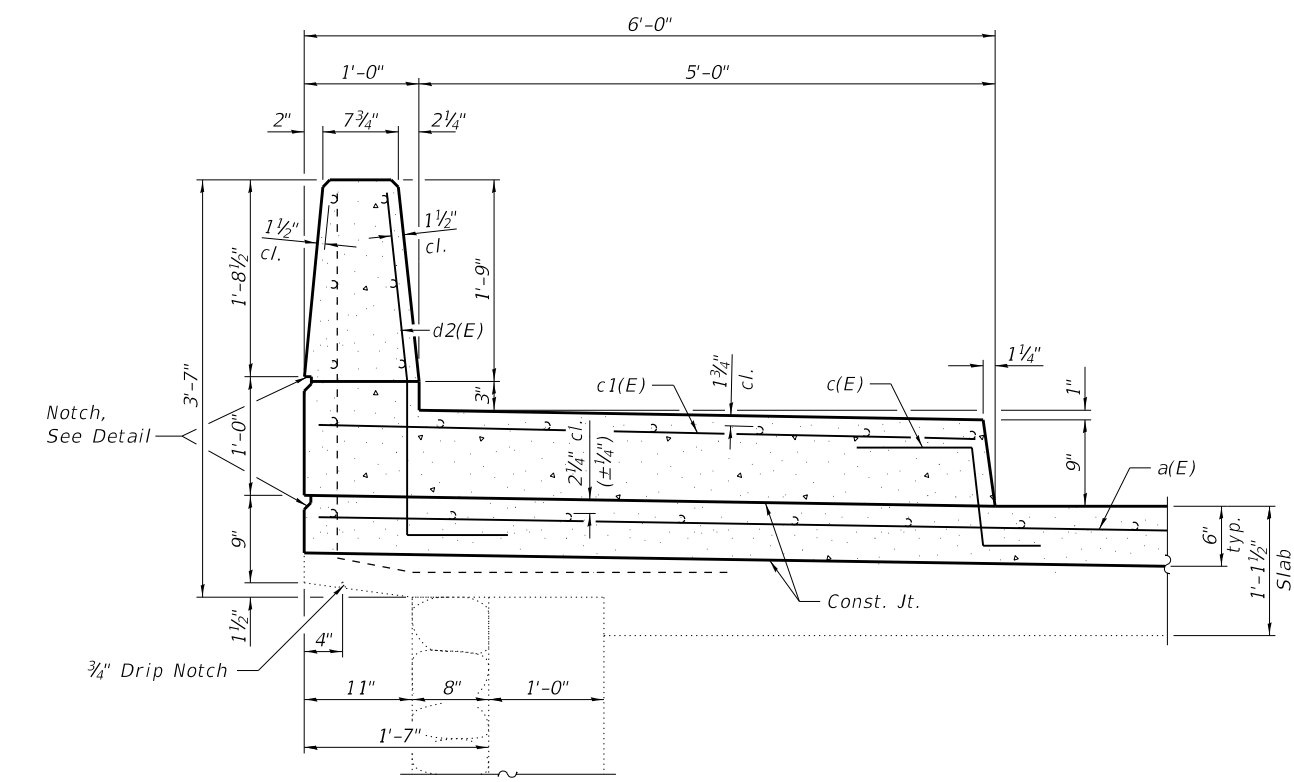
SECTION THRU SIDEWALK ①
(Showing Bridge Deck)



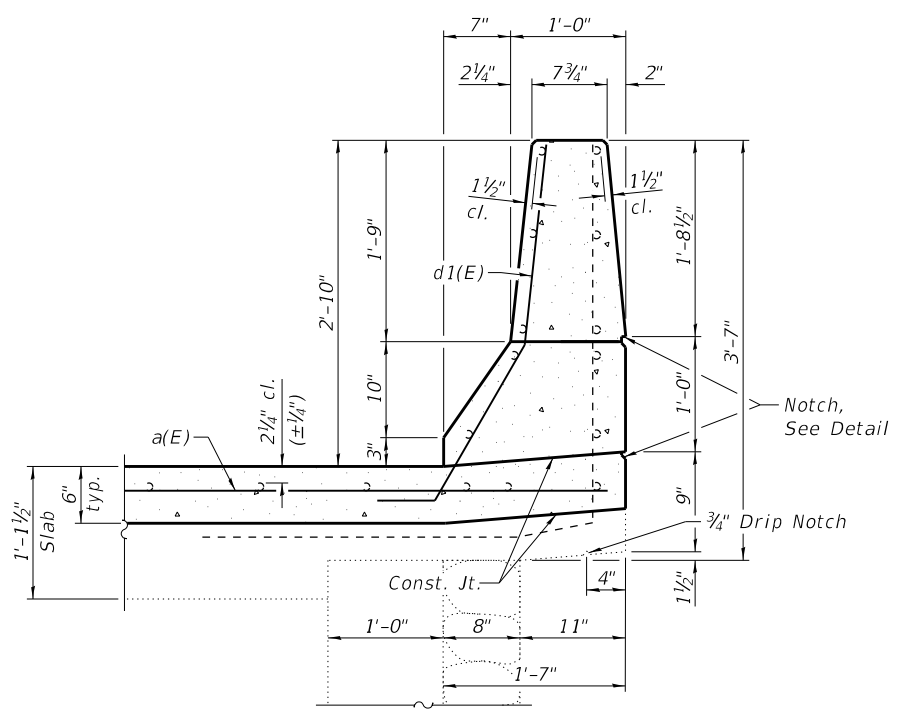
SECTION THRU PARAPET ①
(Showing Bridge Deck)



NOTCH DETAIL



SECTION THRU SIDEWALK ①
(Showing Approach Slab)



SECTION THRU PARAPET ①
(Showing Approach Slab)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	12	#5	39'-3"	—
a1(E)	8	#5	38'-9"	—
c(E)	10	#5	2'-5"	⌒
c1(E)	10	#5	5'-6"	—
d(E)	12	#4	5'-6"	L
d1(E)	10	#5	3'-9"	J
d2(E)	10	#6	3'-9"	J
x(E)	78	#5	2'-7"	⌒
Concrete Removal			Cu. Yd.	9.7
Concrete Superstructure			Cu. Yd.	9.7
Reinforcement Bars, Epoxy Coated			Pound	1,250

- Notes:
- Existing reinforcement extending into the removal area as shown shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - For expansion joint details, see sheets 5 and 6 of 9.

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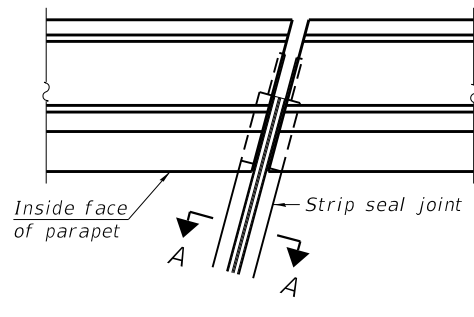
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PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS
STRUCTURE NO. 082-0232

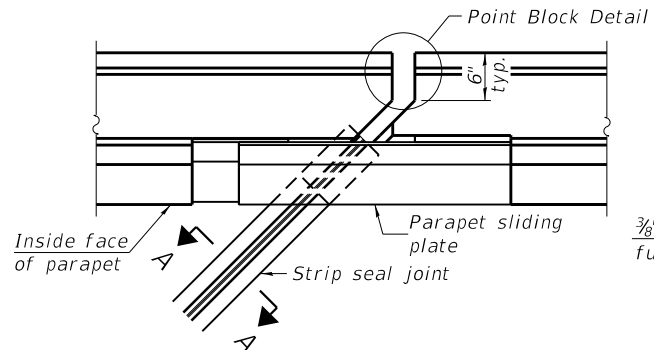
SHEET 4 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E13	

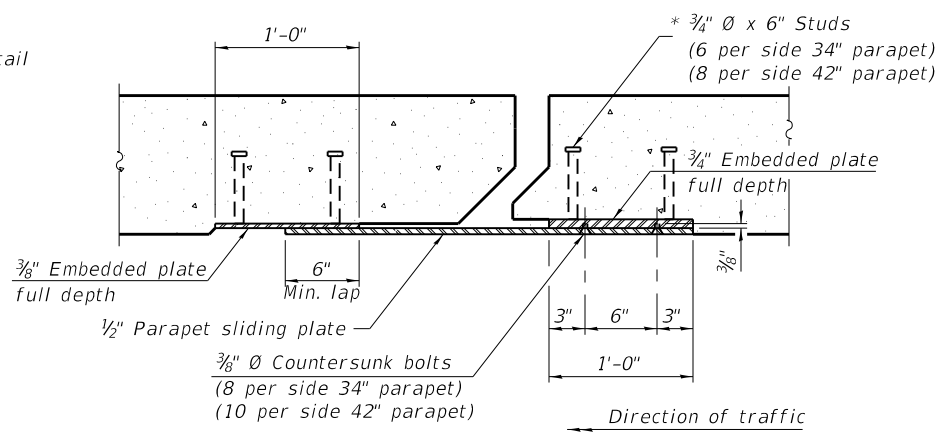


FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET

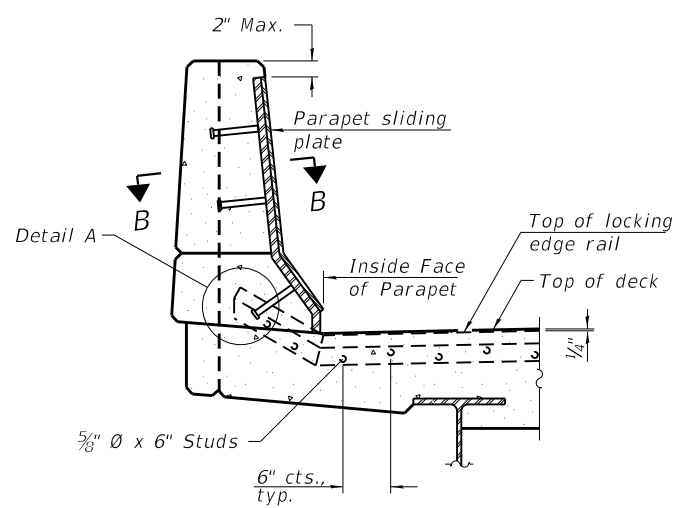


FOR SKEWS $> 30^\circ$



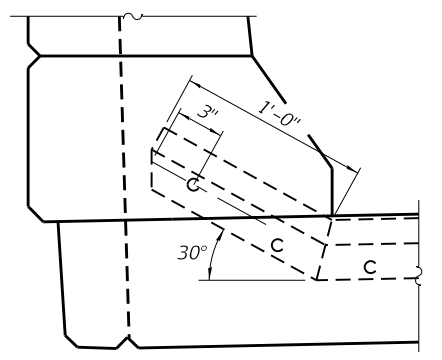
SECTION B-B

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 34" F-shape barrier shown, 42" F-shape similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

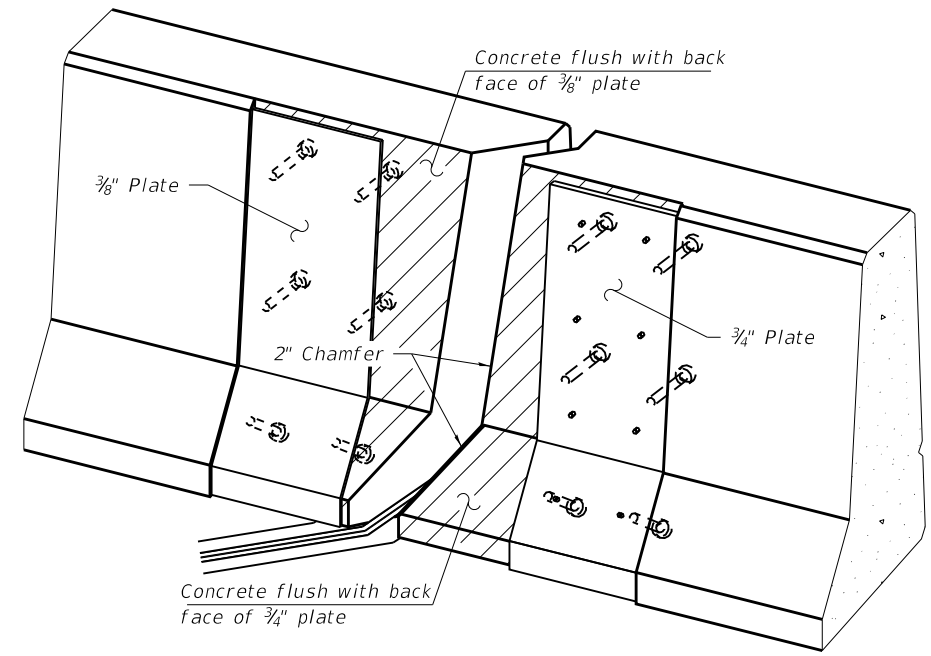


ELEVATION AT PARAPET

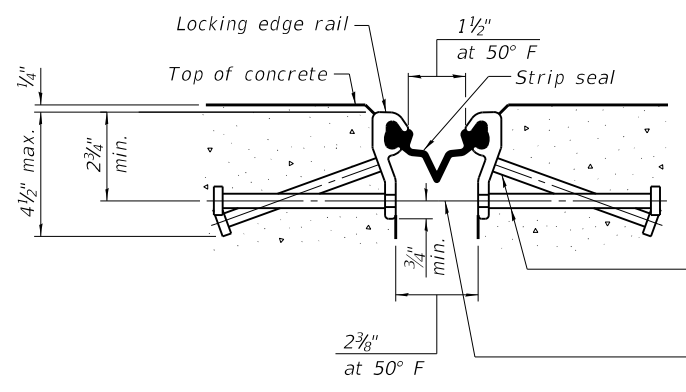
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
 (Showing embedded plates only)

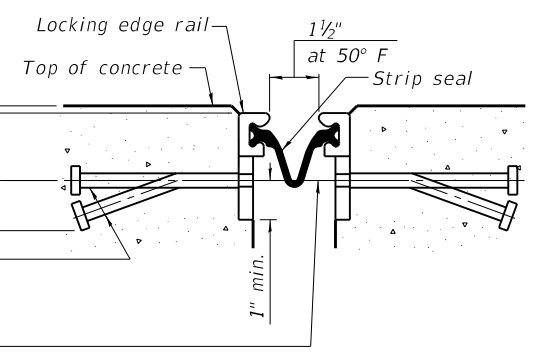


SHOWING ROLLED RAIL JOINT

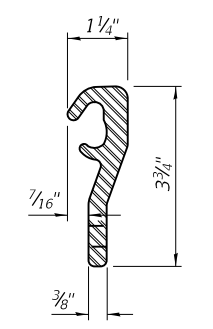
* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

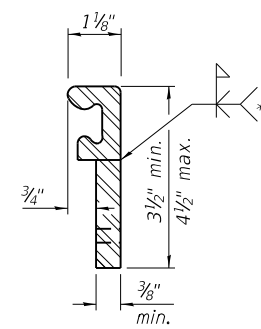
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SHOWING WELDED RAIL JOINT



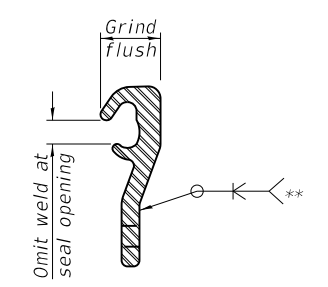
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	76

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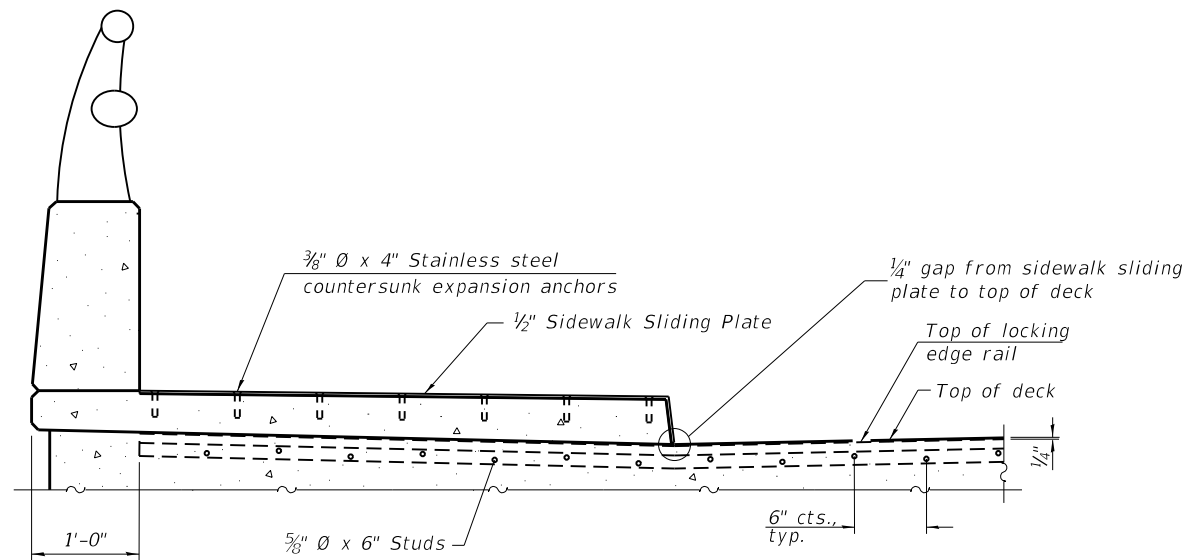


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PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
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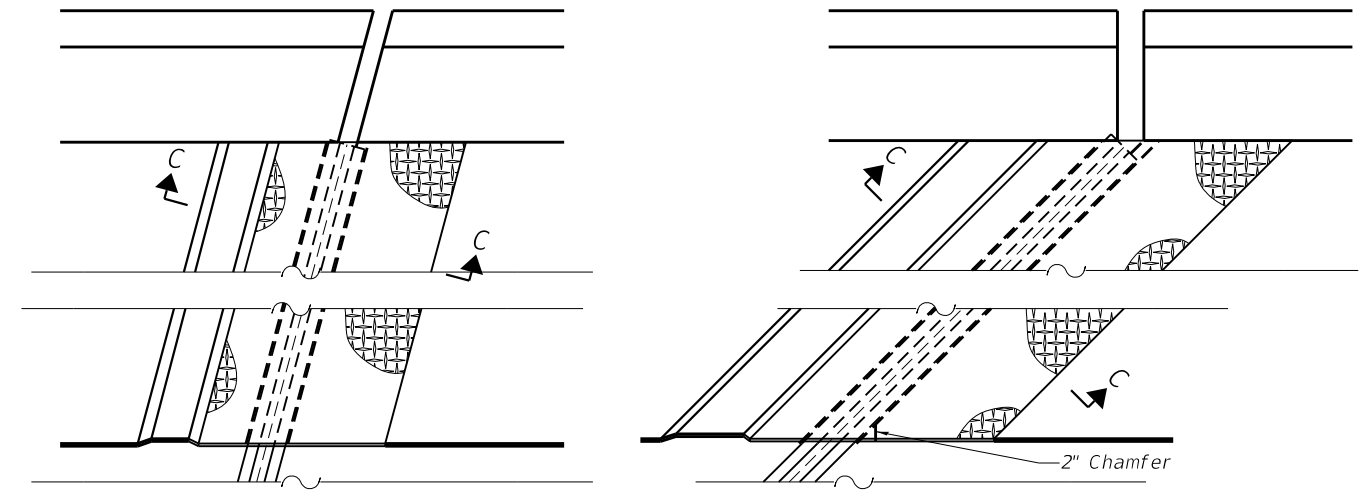
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
 STRUCTURE NO. 082-0232
 SHEET 5 OF 9 SHEETS

F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 192
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



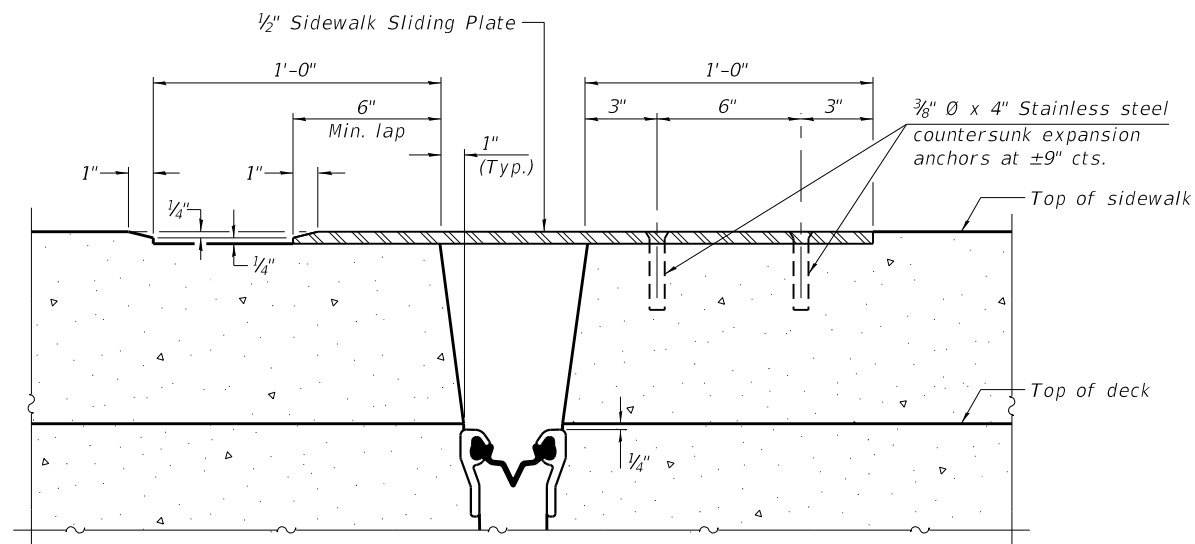
ELEVATION AT RAISED SIDEWALK



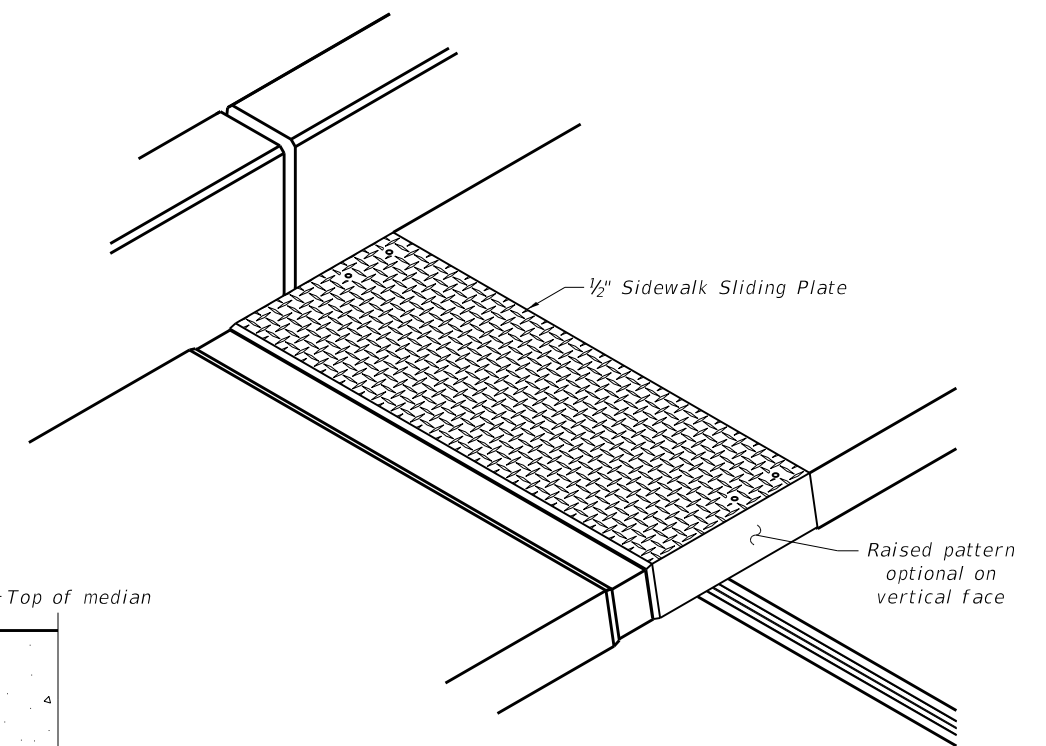
(FOR SKEWS $\leq 30^\circ$)

(FOR SKEWS $> 30^\circ$)

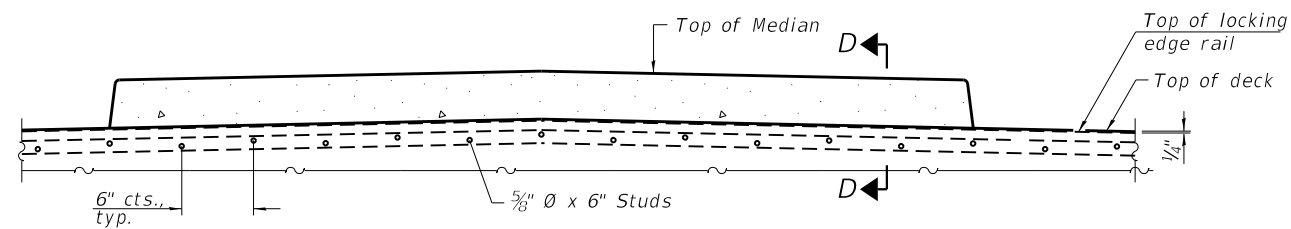
PLAN AT RAISED SIDEWALK



SECTION C-C

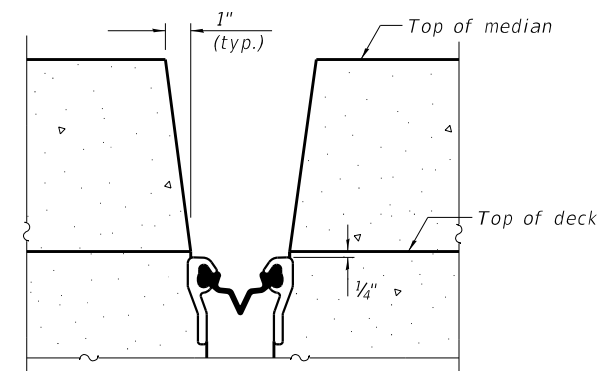


TRIMETRIC VIEW



ELEVATION AT MEDIAN

For skews $> 30^\circ$, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)

FILE NAME: H:\P\17025\17025.003\Bldg\Microstation\0820232-76E13-006_Prefomed Joint Strip Seal.dgn



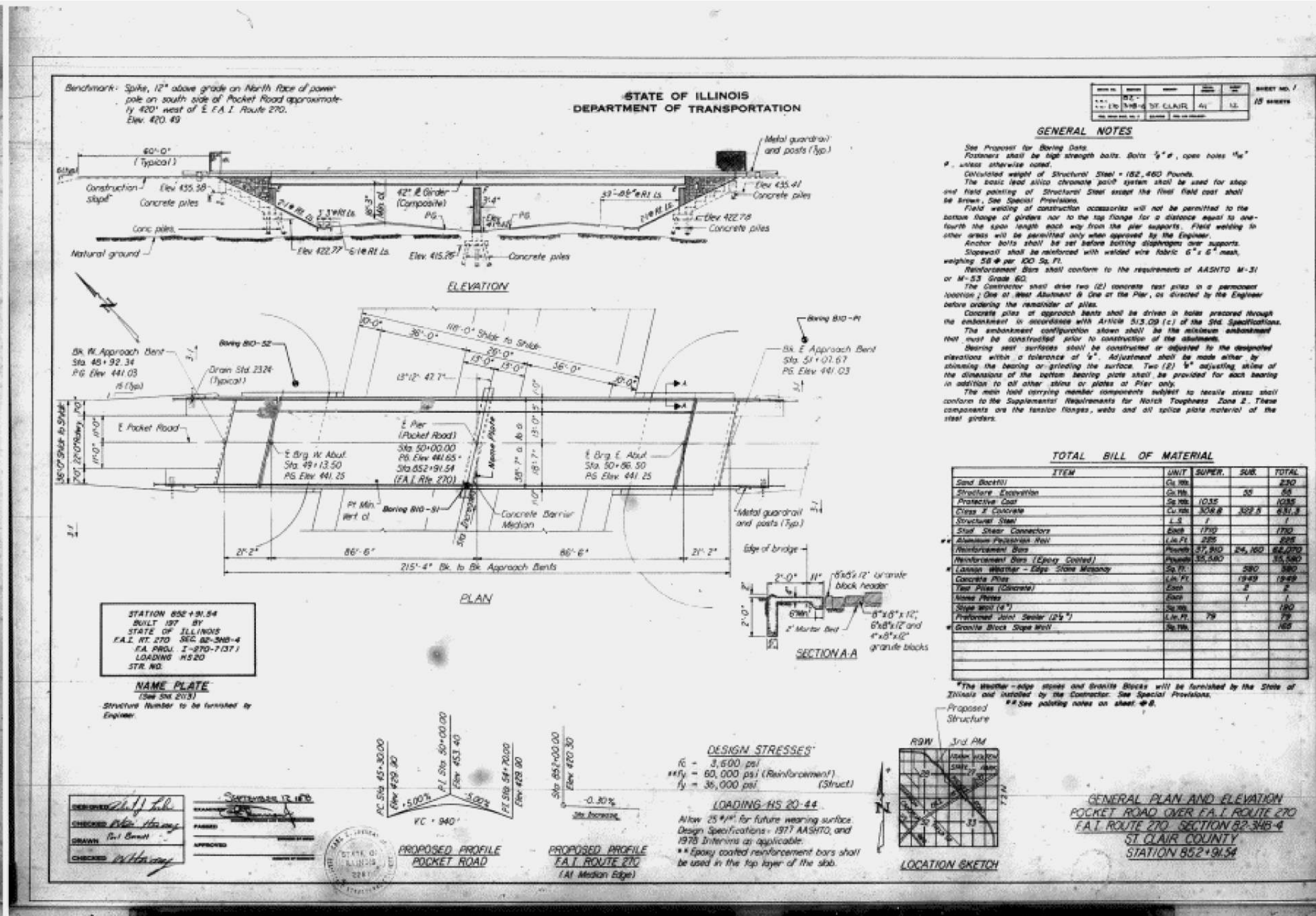
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PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 082-0232**

SHEET 6 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	193
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

See Proposal for Boring Data.
Fasteners shall be high strength bolts. Bolts 1/2" & open holes 1/4" unless otherwise noted.
Calculated weight of Structural Steel = 182,460 Pounds.
The basic lead silica chromate paint system shall be used for shop and field painting of Structural Steel except the final field coat shall be Brown. See Special Provisions.
Field welding of construction accessories will not be permitted to the bottom flange of girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
Anchor bolts shall be set before bolting diaphragms over supports.
Sloped wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58 # per 100 Sq. Ft.
Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.
The Contractor shall drive two (2) concrete test piles in a permanent location; One at West Abutment & One at the Pier, as directed by the Engineer before ordering the remainder of piles.
Concrete piles at approach bents shall be driven in holes prepared through the embankment in accordance with Article 513.09 (c) of the Std. Specifications.
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/4". Adjustment shall be made either by shimming the bearing or gridding the surface. Two (2) 1/4" adjusting shims in addition to all other shims or plates at Pier only.
The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges, webs and all splice plate material of the steel girders.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUB.	TOTAL
Sand Backfill	Cu Yds			230
Structure Excavation	Cu Yds		50	50
Protective Coat	Sq Yds	1035		1035
Class 2 Concrete	Cu Yds	309.8	322.8	632.6
Structural Steel	L.S.			1
Steel Shear Connectors	Each	1750		1750
Aluminum Fastener Nut	Lbs Ft	225		225
Reinforcement Bars	Pounds	57,910	24,180	82,090
Reinforcement Bars (Epoxy Coated)	Pounds	35,580		35,580
Laminar Weather - Edges Stone Masonry	Sq Ft		580	580
Concrete Piles	Lbs Ft		1949	1949
Test Piles (Concrete)	Each		2	2
Name Plates	Each		1	1
Slope Sign (4")	Sq Yds			190
Preformed Joint Sealer (2 1/2")	Lbs Ft	79		79
Granite Block Slope Wall	Sq Yds			165

*The Weather-ridge stones and Granite Blocks will be furnished by the State of Illinois and installed by the Contractor. See Special Provisions.
**See painting notes on sheet #8.

FOR INFORMATION ONLY

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PLOT DATE = 8/1/2019	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0232

SHEET 7 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	194
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	APP'D	SHEET NO.
11/20/19	ST. CLAIR	41	42	8 OF 9

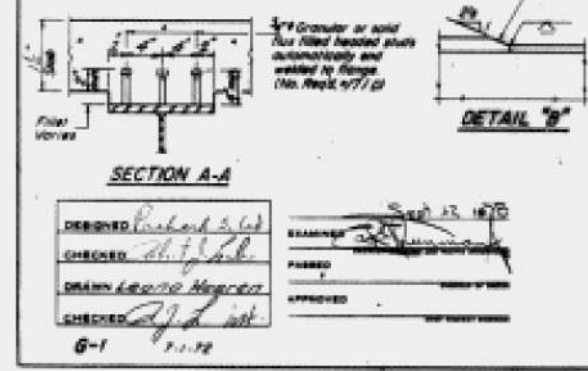
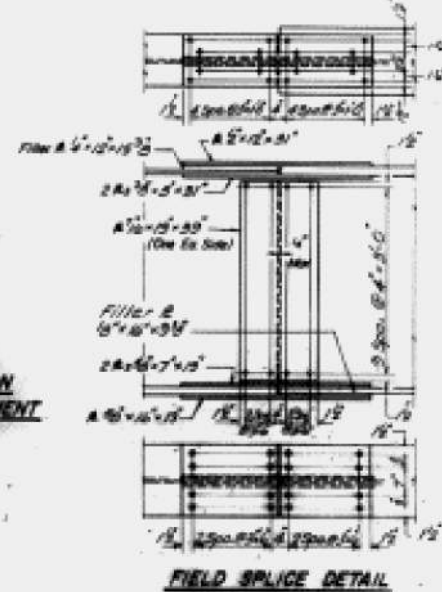
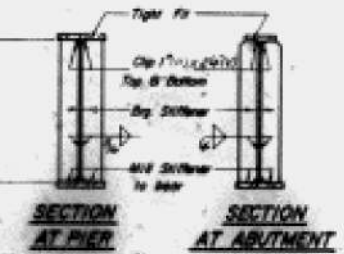
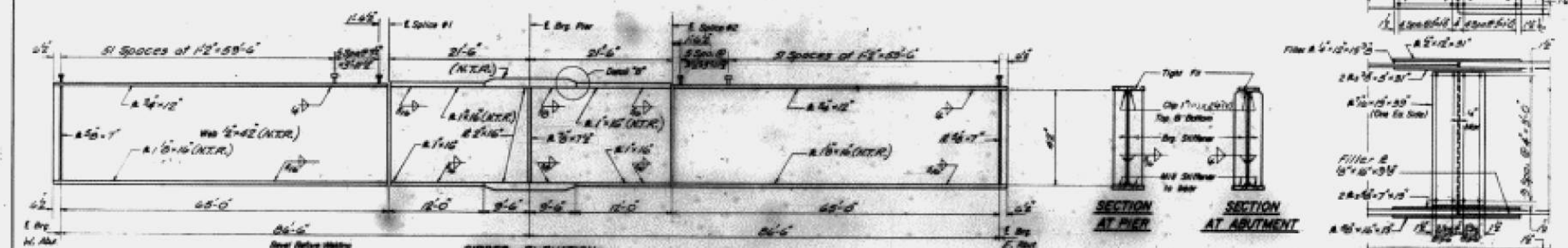
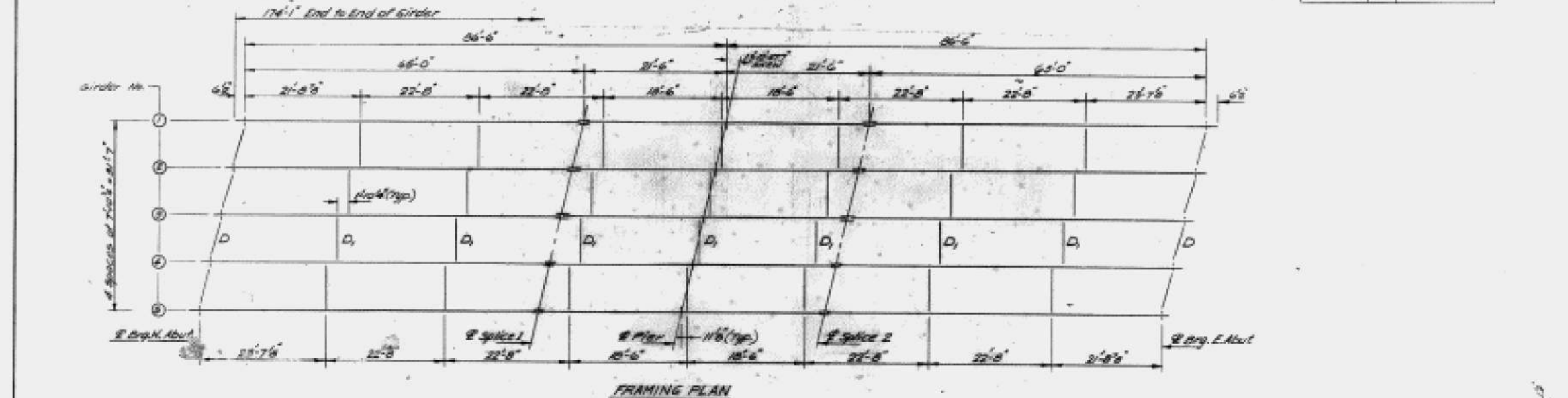


Plate designated with (N.T.R.) shall conform to the Supplemental Requirements for Notch Toughness Zone 2.

TOP OF WEB ELEVATIONS (For Fabrication only)

	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5
E. Byg. Abut	440.75	440.40	440.51	440.85	440.21
E. Splice 1	440.54	440.25	440.81	440.65	440.34
E. Pier	440.54	440.25	440.81	440.65	440.34
E. Splice 2	440.34	440.25	440.81	440.65	440.34
E. Byg. Abut	440.22	440.30	440.52	440.41	440.28

FRAMING PLAN & GIRDER DETAILS
F.A.I. RT. 270 SEC. 82-3HB-4
ST. CLAIR COUNTY
STA. 852+91.54

FOR INFORMATION ONLY

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DESIGNED	Richard S. Galt	DESIGNED	-
CHECKED	[Signature]	CHECKED	-
DRAWN	Leanne Higgins	DRAWN	-
CHECKED	[Signature]	CHECKED	-
DATE	8/1/2019	DATE	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0232

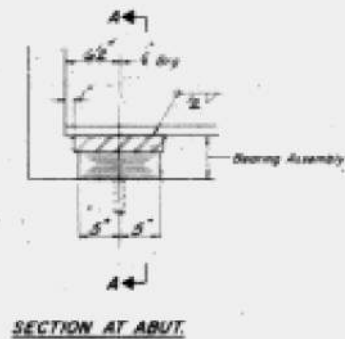
SHEET 8 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2)RS	ST. CLAIR	280	195
CONTRACT NO. 76E13				

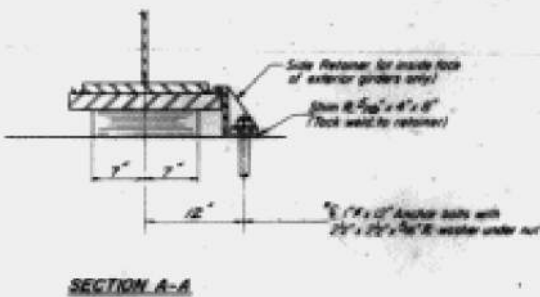
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

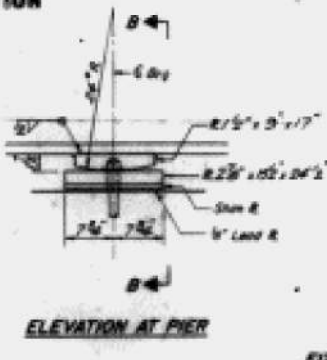
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1/2/20	DL	ST	CL	41



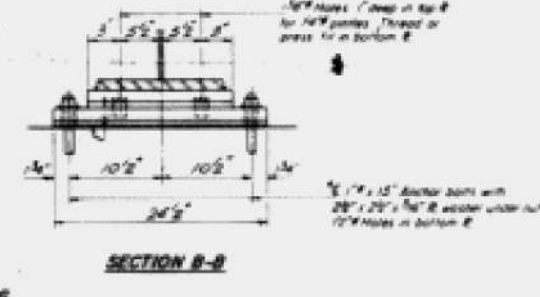
SECTION AT ABUT.



SECTION A-A



ELEVATION AT PIER

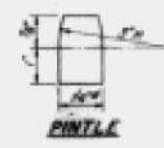


SECTION B-B

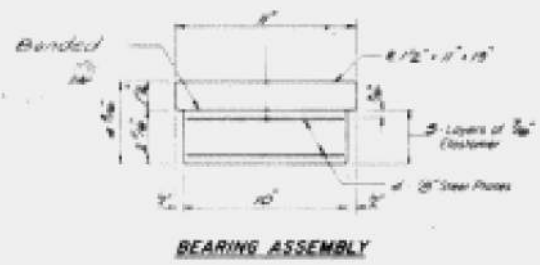
FIXED BEARING

TYPE I ELASTOMERIC EXP. BRG.

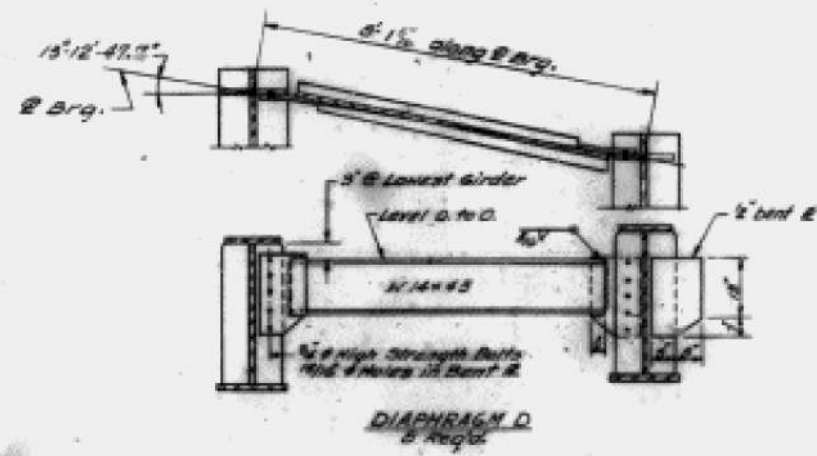
Note: After beams have been erected holes of expansion bearings shall be drilled and anchor bolts grouted in place. Anchor bolts of fixed bearings may be bolted into the masonry.



PINTLE

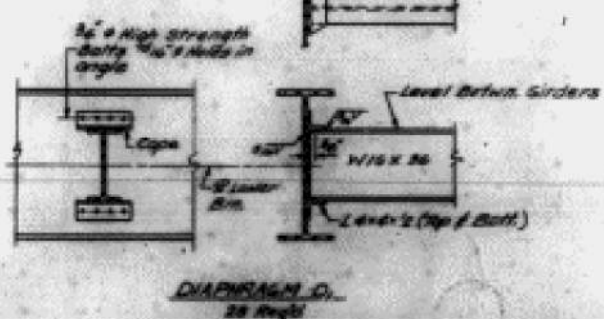


BEARING ASSEMBLY

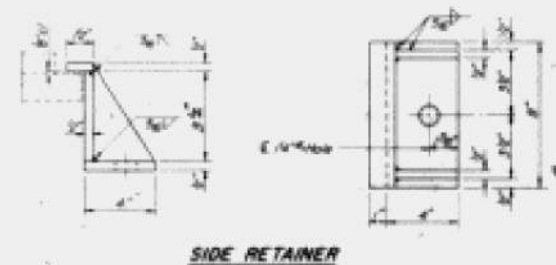


DIAPHRAGM D

Note: Hardened washers shall be required over 1/4" holes in angles.



DIAPHRAGM D



SIDE RETAINER

DESIGNED	Reviewed	DATE	1/2/20
CHECKED	DL	DATE	1/2/20
DRAWN	DL	DATE	1/2/20
CHECKED	DL	DATE	1/2/20

1-2-EI 2-1-20

Location	Dist. Span / Pier	Moment
1st (K)	14772.0	34084.3
2nd (K)	42247.6	
3rd (K)	816.8	1881.2
4th (K)	1181.0	
5th (K)	1028	1.028
6th (K)	464.50	182.77
7th (K)	6.81	8.2
8th (K)	256	256
9th (K)	58.62	466.72
10th (K)	774.66	206.66
11th (K)	88.78	188.43
12th (K)	1285.88	181.72
13th (K)	18.27	5.62
14th (K)	21.00	18.89
15th (K)	66.72	

Location	Abut.	Pier
1st (K)	60.73	178.67
2nd (K)	48.67	68.79
3rd (K)	10.76	16.00
4th (K)	106.7	227.85

I_x and I_y are the moment of inertia and section modulus of the steel section.
 I_c and I_{cc} are the moment of inertia and section modulus of the Composite section used in computing I_s .
 WR is the Maximum \pm Impact shear range in span.

BEARING & DIAPHRAGM DETAILS
F.A.I. RT.270 SEC.82-3HB-4
ST. CLAIR COUNTY
STA. 852+91.54

FOR INFORMATION ONLY

FILE NAME: H:\PI\17025\003\Bldge\Microstation\0820232-76E13-009_Existing Bridge Plans.dgn



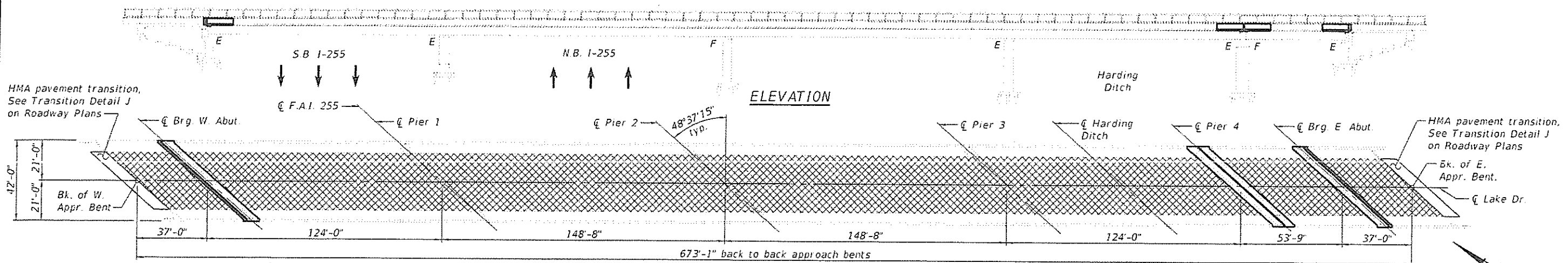
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DATE = 8/1/2019	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0232

SHEET 9 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2/RS	ST. CLAIR	280	196
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

Stage construction will be utilized to maintain one lane of traffic. See Lake Dr. MOT plans.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Concrete sealer shall be applied to all exposed surfaces of the abutments and Pier 4.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications, when the deck is poured at an ambient temperature other than 50° F.

The new concrete on both sides of the joints shall have its final finish lined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with the concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of existing concrete.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. See Special Provisions.

Cleaning and painting of the existing structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures." All structural steel shall be cleaned per Near-White Blast Cleaning SSPC-SP10.

The designated areas cleaned per Near-White Blast Cleaning SSPC-SP10 shall be painted according to the requirements of paint system 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray (Munsell No. 5B 7/1). The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown (Munsell No. 2.5YR 3/4).

A minimum of two high volume air monitors will be requested to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

Cleaning and painting of the existing aluminum pedestrian fence shall be as specified in the special provisions for "Cleaning and Painting Aluminum Railing." All aluminum railing and fence shall be cleaned and painted. The color of the final finish coat shall be Reddish Brown (Munsell No. 2.5YR 3/4).

The painting contractor shall be SPC-OP 1 and SSPC-OP 2 certified for this project and shall maintain certification throughout the duration of the project.

The Contractor shall use extreme care during concrete removal not to damage the structural steel and pedestrian railing.

Prior to concrete removal at expansion joints, the Contractor shall protect, temporarily support, or remove the section(s) of pedestrian railing at the expansion joints by methods approved by the Engineer. The cost of all work and materials associated with protecting and reinstalling the existing pedestrian railing shall be included with Concrete Superstructure.

Concrete sidewalk beyond bridge approach spans shall be removed and replaced to match the top back of curb at all quadrants of the bridge as directed by the Engineer. Estimated removal limits extend from ends of approach spans to a location where existing sidewalk is approximately level with top back of curb or as directed by the Engineer.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.

PLAN

SCOPE OF WORK

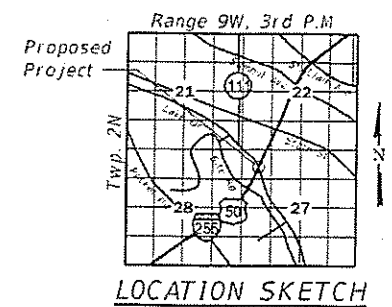
1. Replace expansion joints at abutments and Pier 4 including ADA sliding plates for expansion joints through sidewalks
2. Deck slab repair
3. Install Waterproofing Membrane System and HMA overlay
4. Repair pedestrian fence
5. Replace approach sidewalks
6. Structural repair of concrete on substructure
7. Repair all girder ends at Pier 4
8. Repair cross frames at Pier 4
9. Repair beam ends at east abutment
10. Paint all structural steel and pedestrian fence
11. Clean and seal abutments and Pier 4

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	Stage Construction Details
3	Temporary Concrete Barrier for Stage Construction
4	Deck Slab Repair
5	Joint Removal
6-7	Joint Replacement
8	Joint Details
9-12	Pedestrian Railing Repair
13-14	Preformed Joint Strip Seal
15	Cross Frame Repairs - Pier 4
16-17	Beam Repair Details
18-19	Substructure Concrete Repair
20	Bar Splicer Assembly and Mechanical Splicer Details
21-27	Existing Bridge Plans

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Polymerized Hot-Mix Asphalt Surface Course Mix "E" N90	Ton	181
Portland Cement Concrete Sidewalk 4 Inch	Sq. Ft.	613
Sidewalk Removal	Sq. Ft.	613
Concrete Removal	Cu. Yd.	48.3
Protective Shield	Sq. Yd.	63
Concrete Superstructure	Cu. Yd.	53.3
Protective Coat	Sq. Yd.	143
Furnishing and Erecting Structural Steel	Pound	6,930
Reinforcement Bars, Epoxy Coated	Pound	6,620
Bar Splicers	Each	68
Preformed Joint Strip Seal	Foot	182
Waterproofing Membrane System	Sq. Yd.	2,159
Concrete Sealer	Sq. Ft.	4,768
Structural Steel Removal	Pound	7,200
Structural Steel Repair	Pound	12,600
Containment and Disposal of Lead Paint Cleaning Residues No. 2	L. Sum	1
Cleaning Bridge Seats	Sq. Ft.	4,768
Cleaning and Painting Steel Bridge No. 2	L. Sum	1
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	1,516
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8
Deck Slab Repair (Partial)	Sq. Yd.	23
Pedestrian Rail (Special)	Foot	265
Cleaning and Painting Aluminum Railing	L. Sum	1
Longitudinal Joint Sealant	Foot	706



Plans prepared by
Oates Associates, Inc.
Sheets 1-14 and 18-27

Daniel George Lutz
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
081 006712

DATE: 8/24/2019
EXPIRATION: 11/30/2020

Plans prepared by
Quigg Engineering, Inc.
Sheet 15

Michael Cima
STATE OF ILLINOIS
LICENSED STRUCTURAL ENGINEER
MICHAEL D. CIMA
081-005984
SPRINGFIELD, ILL.

DATE: 8/19/19
EXPIRATION: 11/30/20

GENERAL PLAN & ELEVATION
LAKE DRIVE OVER I-255
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 892+38.00
STRUCTURE NO. 082-0234

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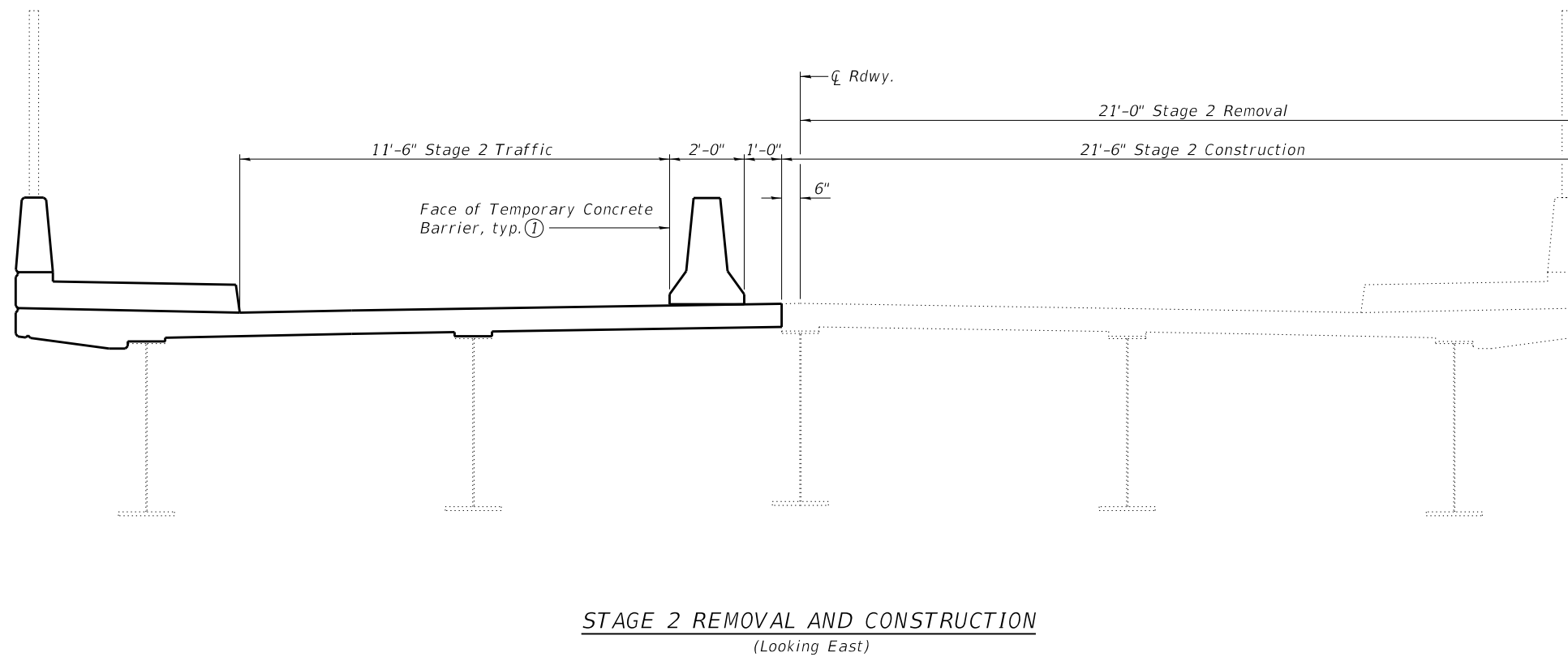
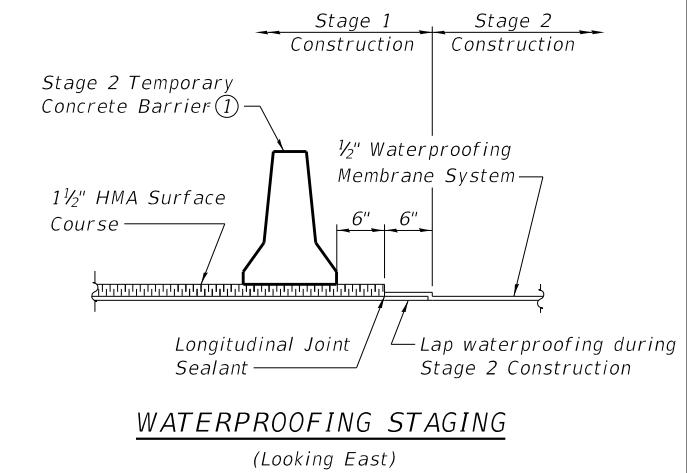
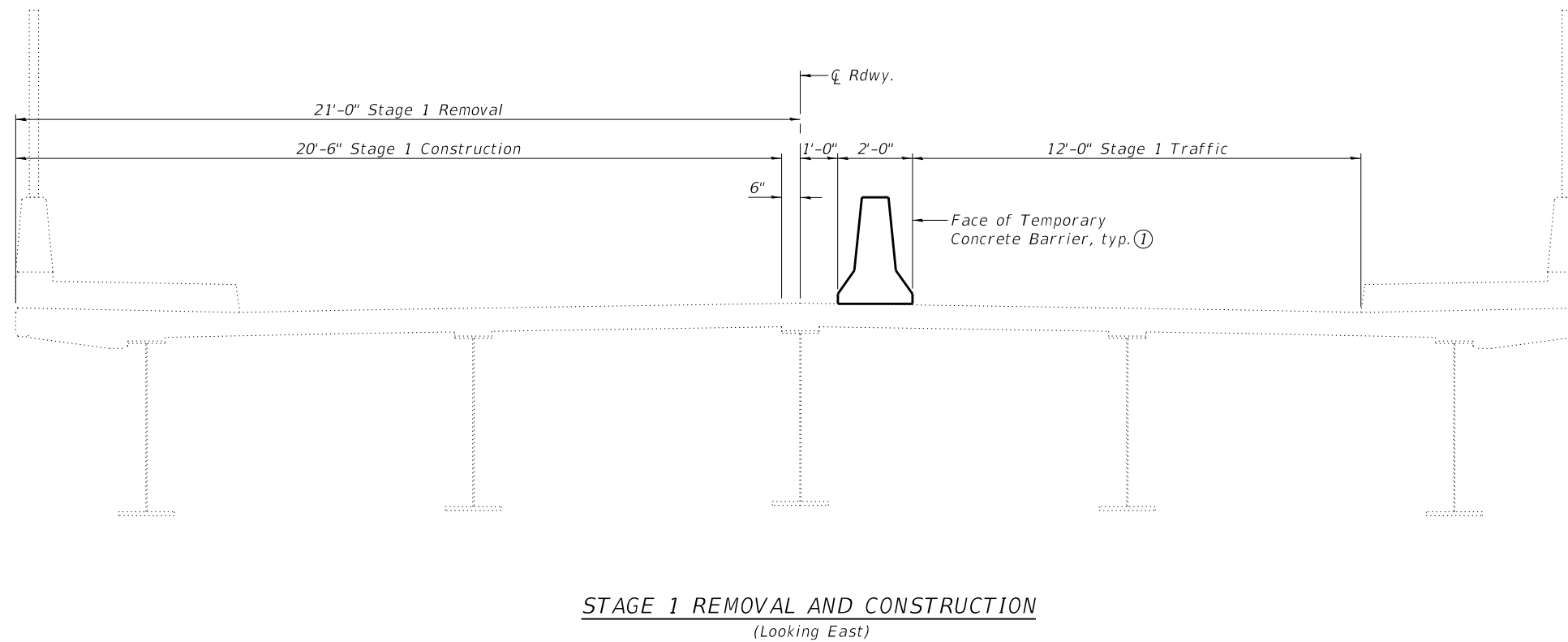


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MAM	MAM	REVISION
SJN	SJN	REVISION
MAM	MAM	REVISION
SJN	SJN	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2RS	ST. CLAIR	280	197

CONTRACT NO. 76E13
ILLINOIS FED. AID PROJECT



Notes:
 ① For details of Temporary Concrete Barrier, see sheet 3 of 27. See roadway plans for quantity of Temporary Concrete Barrier and related traffic control.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-002_Stage Construction Details.dgn

OATES ASSOCIATES
 www.oatesassociates.com
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

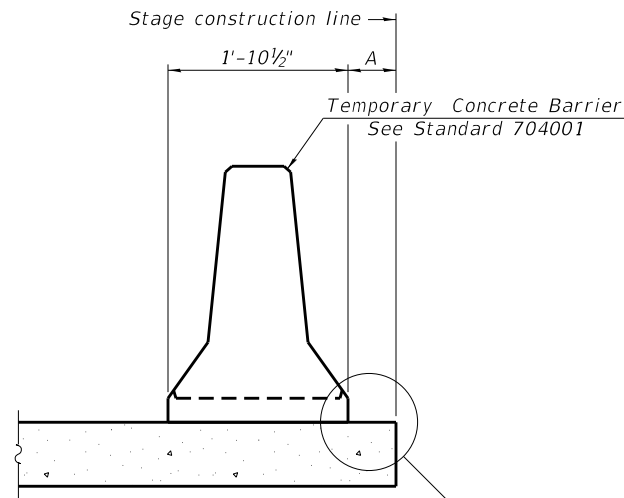
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 082-0234**

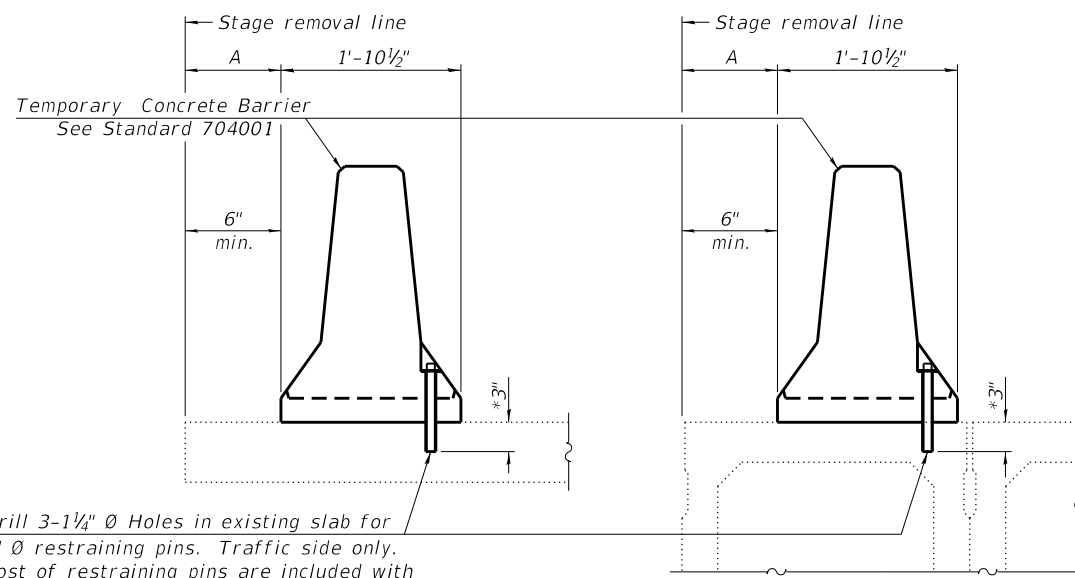
SHEET 2 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	198
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

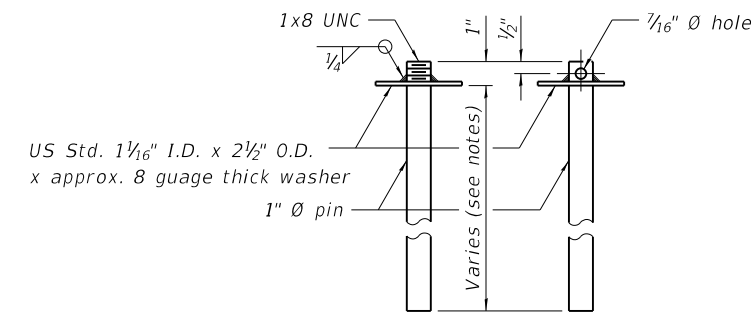


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

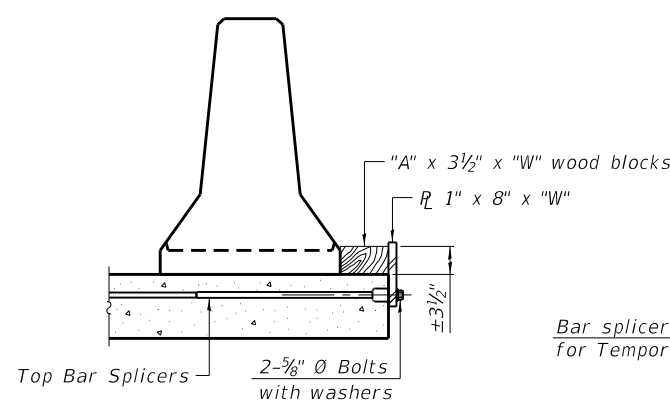
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

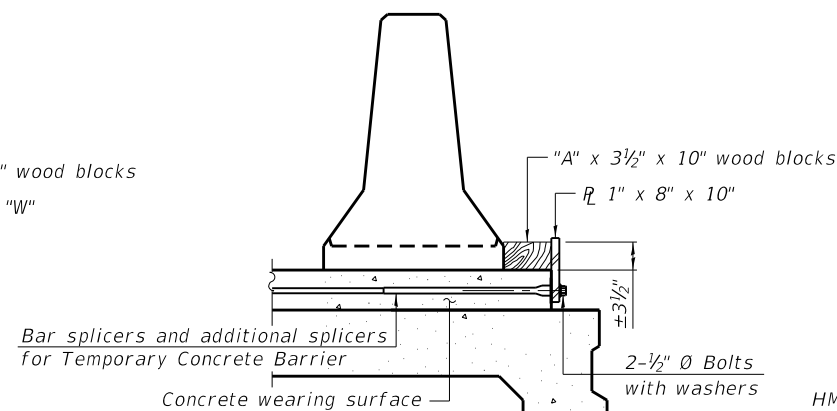


RESTRAINING PIN

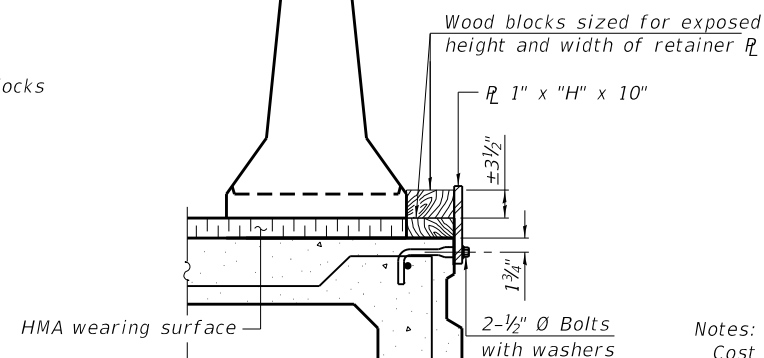
SECTIONS THRU SLAB OR DECK BEAM



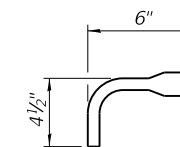
DETAIL I



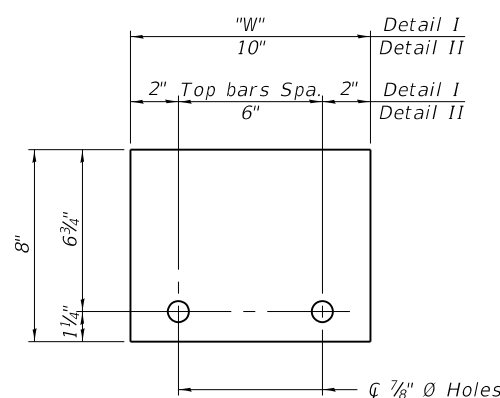
DETAIL II



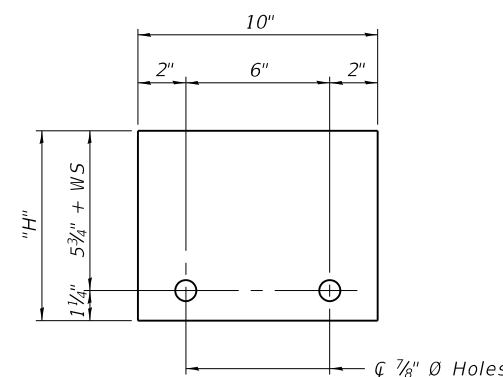
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate $\frac{1}{2}$ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27 2-17-2017

FILE NAME: H:\P\17025\17025.003\Bldge\Microstation\0820234-76E13-003_Temporary Concrete Barrier for Stage Construction.dgn



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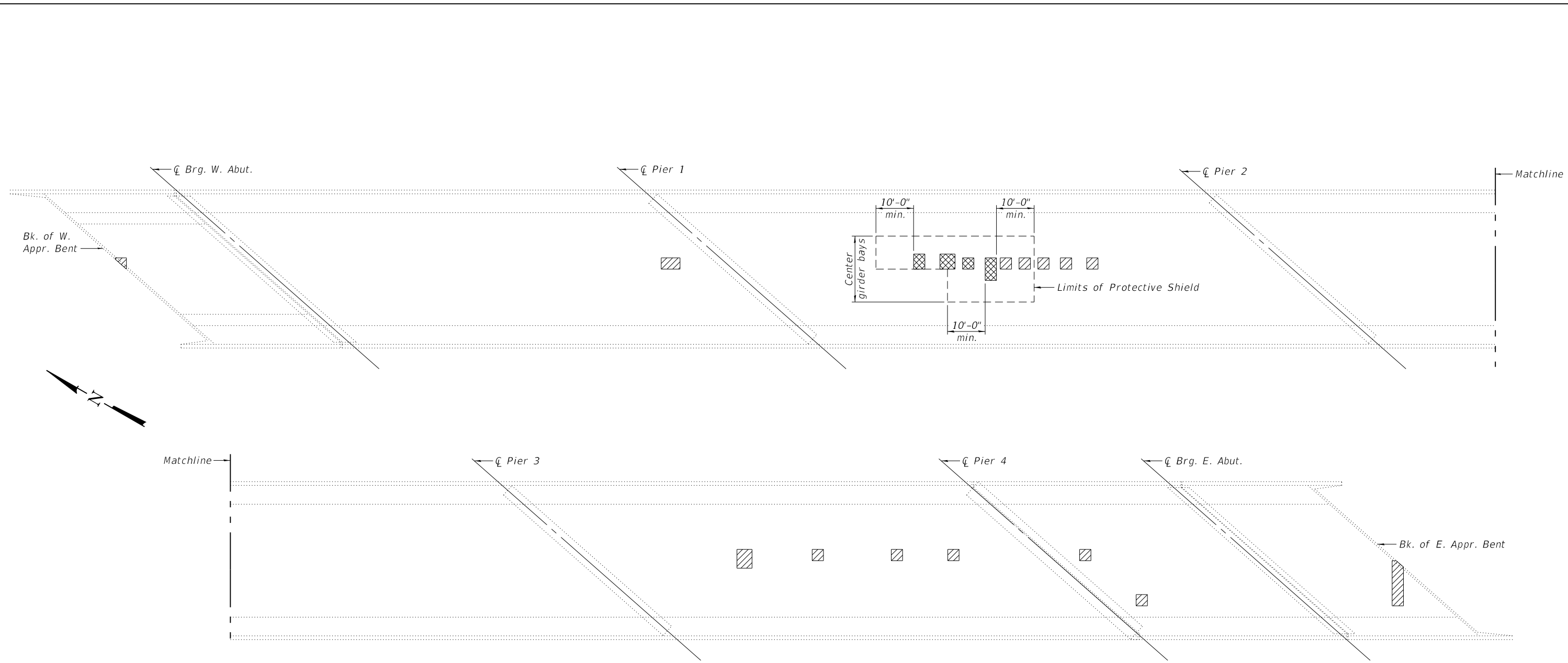
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 082-0234

SHEET 3 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	199
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT



PLAN

- Notes:
- ① For requirements of Deck Slab repair, see Special Provisions.
 - ② Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.

- Deck Slab Repair (Partial)
- Deck Slab Repair (Full Depth, Type II)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Shield	Sq. Yd.	63
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8
Deck Slab Repair (Partial)	Sq. Yd.	23

FILE NAME: H:\P\17025\17025\003\Bldge\Microstation\0820234-76E13-004_Deck Slab Repair.dgn



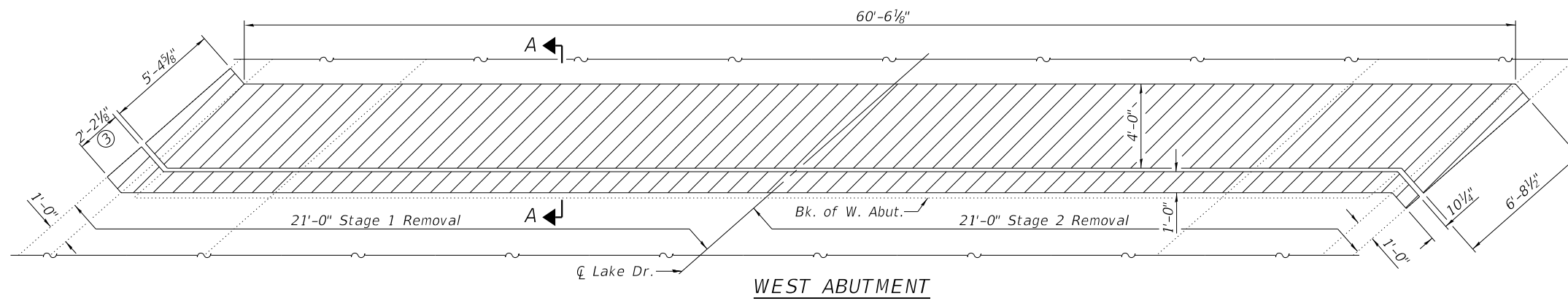
USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

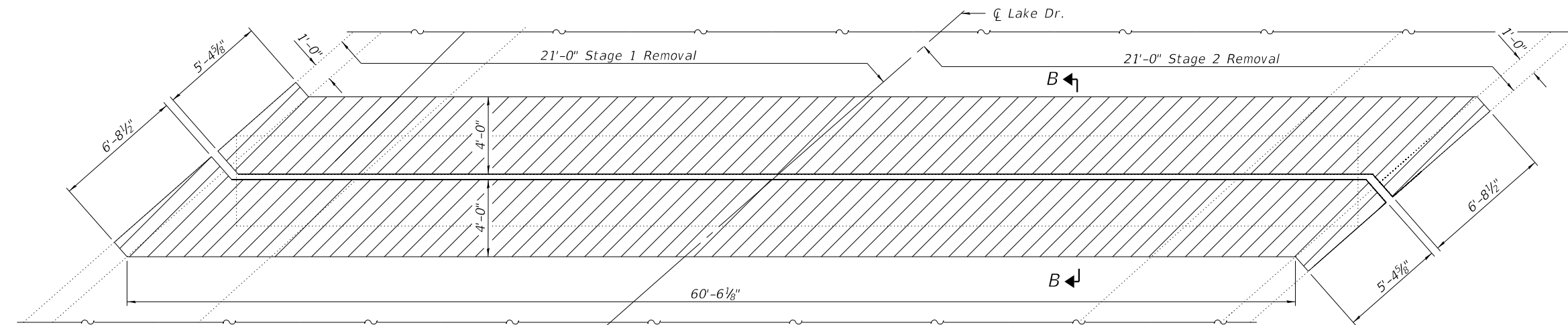
**DECK SLAB REPAIR
STRUCTURE NO. 082-0234**

SHEET 4 OF 27 SHEETS

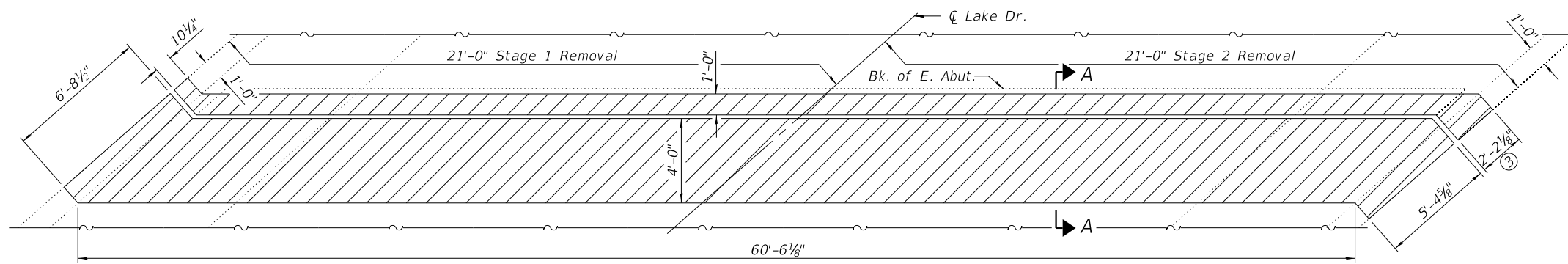
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	200
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



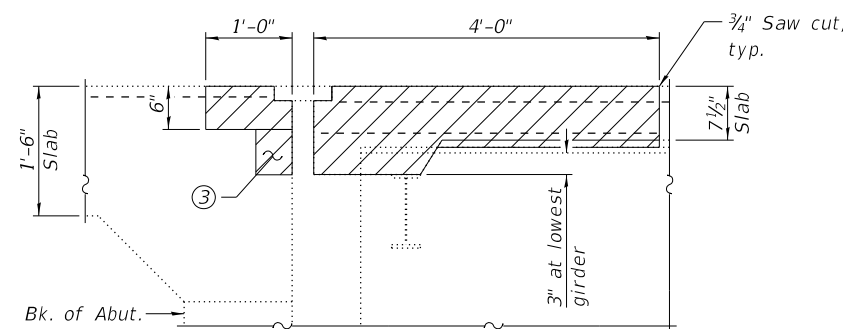
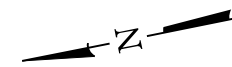
WEST ABUTMENT



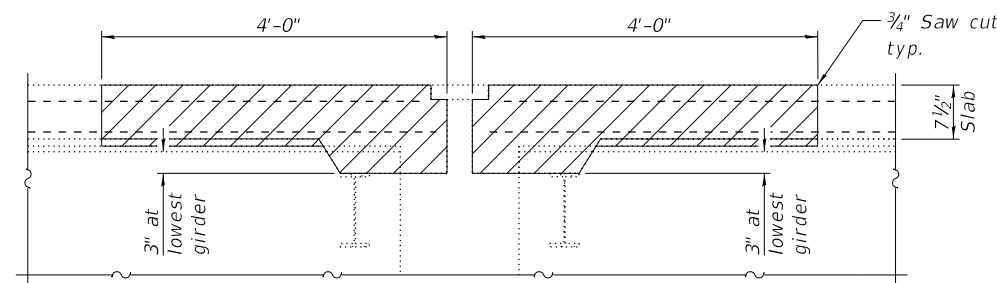
PIER 4



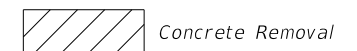
EAST ABUTMENT



SECTION A-A ②



SECTION B-B ②



- Notes:
- ① For Bill of Material, see sheet 8 of 27.
 - ② Existing reinforcement bars shown are to be cleaned, straightened, and incorporated into new construction.
 - ③ Remove concrete at edge of approach slabs as directed by the Engineer to accommodate expansion.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-005_Joint Removal.dgn



USER NAME =	DESIGNED - MAM	REVISED -
CHECKED - SJN	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

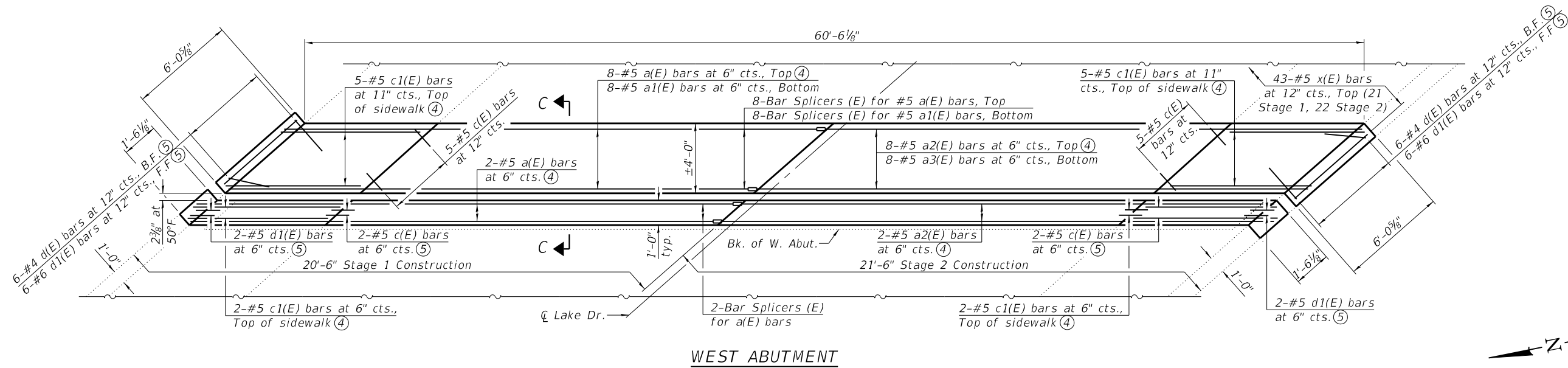
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REMOVAL
STRUCTURE NO. 082-0234**

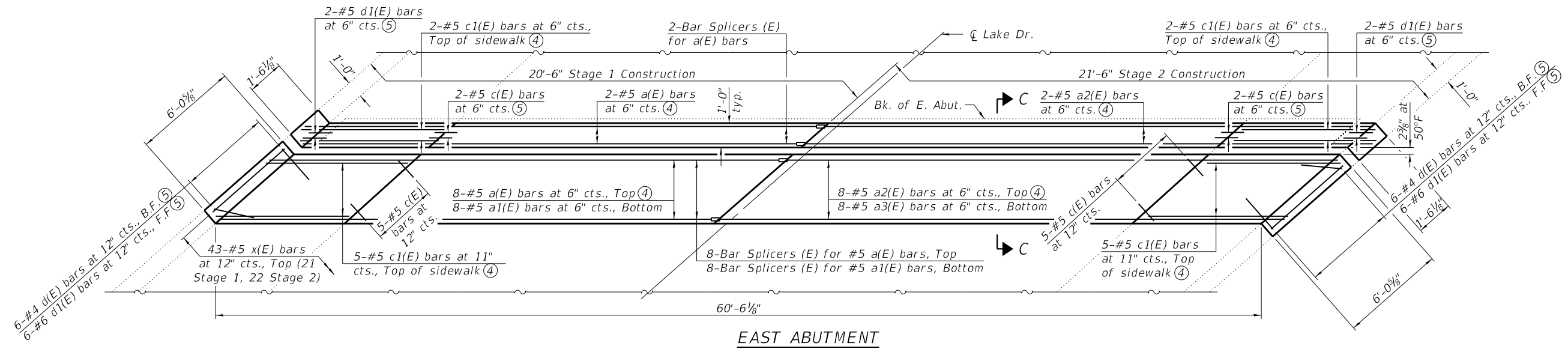
SHEET 5 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	201
CONTRACT NO. 76E13				

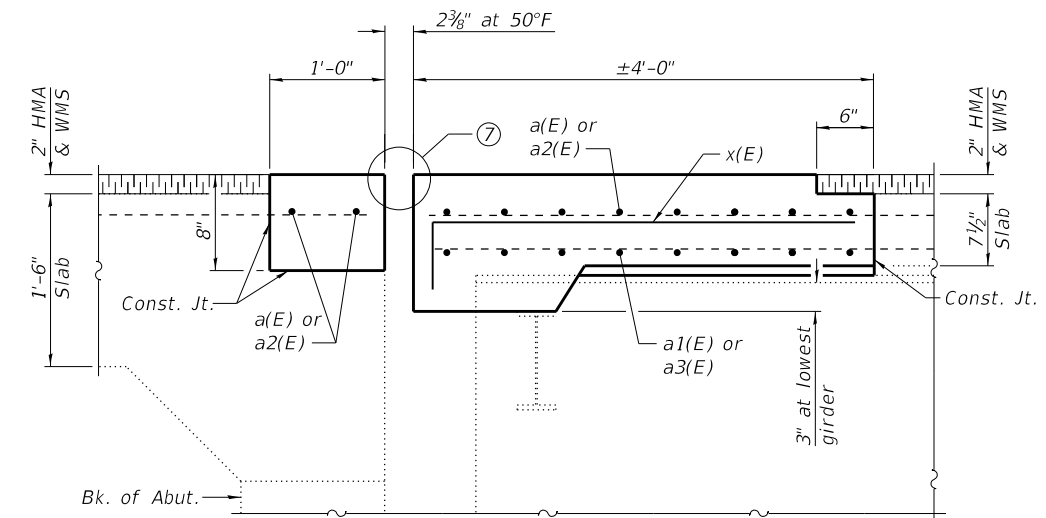
ILLINOIS FED. AID PROJECT



WEST ABUTMENT



EAST ABUTMENT



SECTION C-C

- Notes:
- ① For additional joint details, bar details, and Bill of Material, see sheet 8 of 27.
 - ② Existing reinforcement extending into the removal area as shown shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - ③ B.F. denotes Back Face. F.F. denotes Front Face.
 - ④ Cut bars as required to fit skewed ends.
 - ⑤ Fan bars as required to fit skewed ends.
 - ⑥ For bar splicer assembly details, see sheet 20 of 27.
 - ⑦ For expansion joint details, see sheets 13 and 14 of 27.

FILE NAME: H:\P\17025\17025.003\Bridge\Microstation\0820234-76E13-006_Joint_Replacement.dgn



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

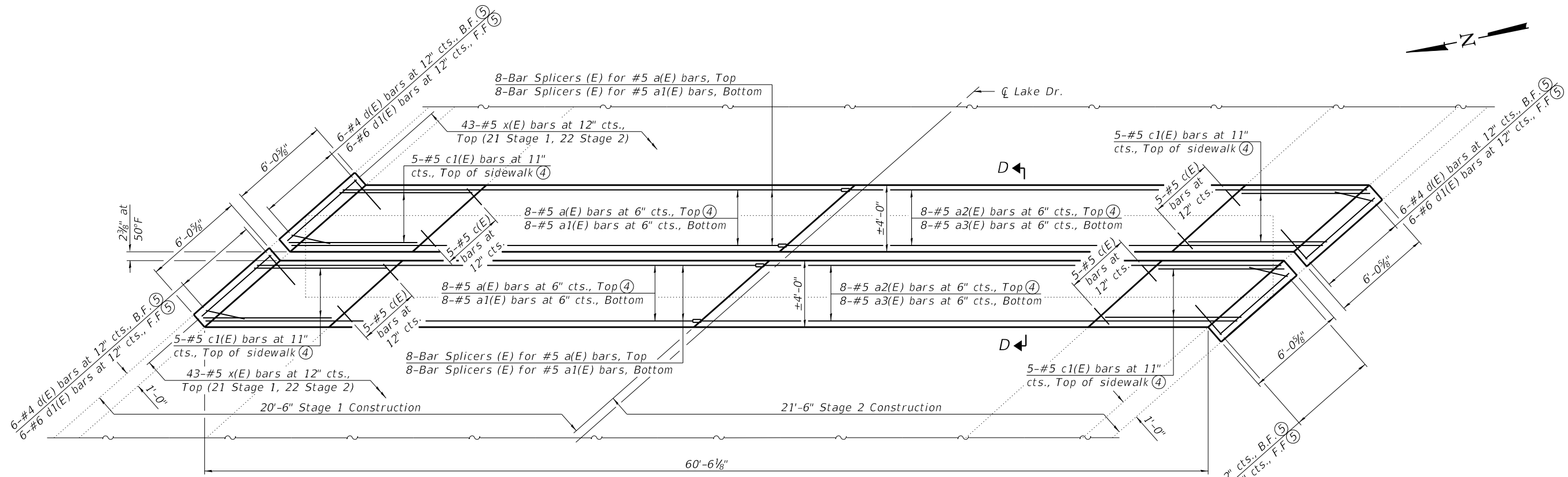
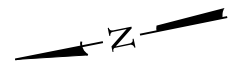
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT
STRUCTURE NO. 082-0234

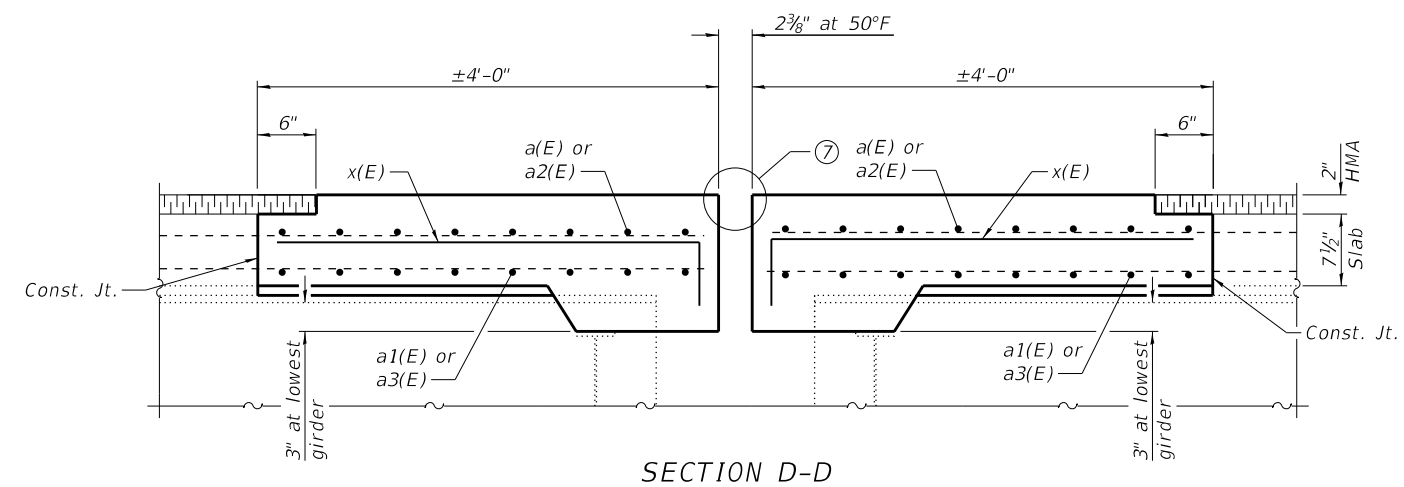
SHEET 6 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	202
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT



PIER 4



SECTION D-D

- Notes:
- ① For joint details, bar details, parapet reinforcement, and Bill of Material, see sheet 8 of 27.
 - ② Existing reinforcement extending into the removal area as shown shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - ③ B.F. denotes Back Face.
F.F. denotes Front Face.
 - ④ Cut bars as required to fit skewed ends.
 - ⑤ Fan bars as required to fit skewed ends.
 - ⑥ For bar splicer assembly details, see sheet 20 of 27.
 - ⑦ For expansion joint details, see sheets 13 and 14 of 27.

FILE NAME: H:\P\17025\17025.003\Bridge\Microstation\0820234-76E13-007_Joint_Replacement.dgn

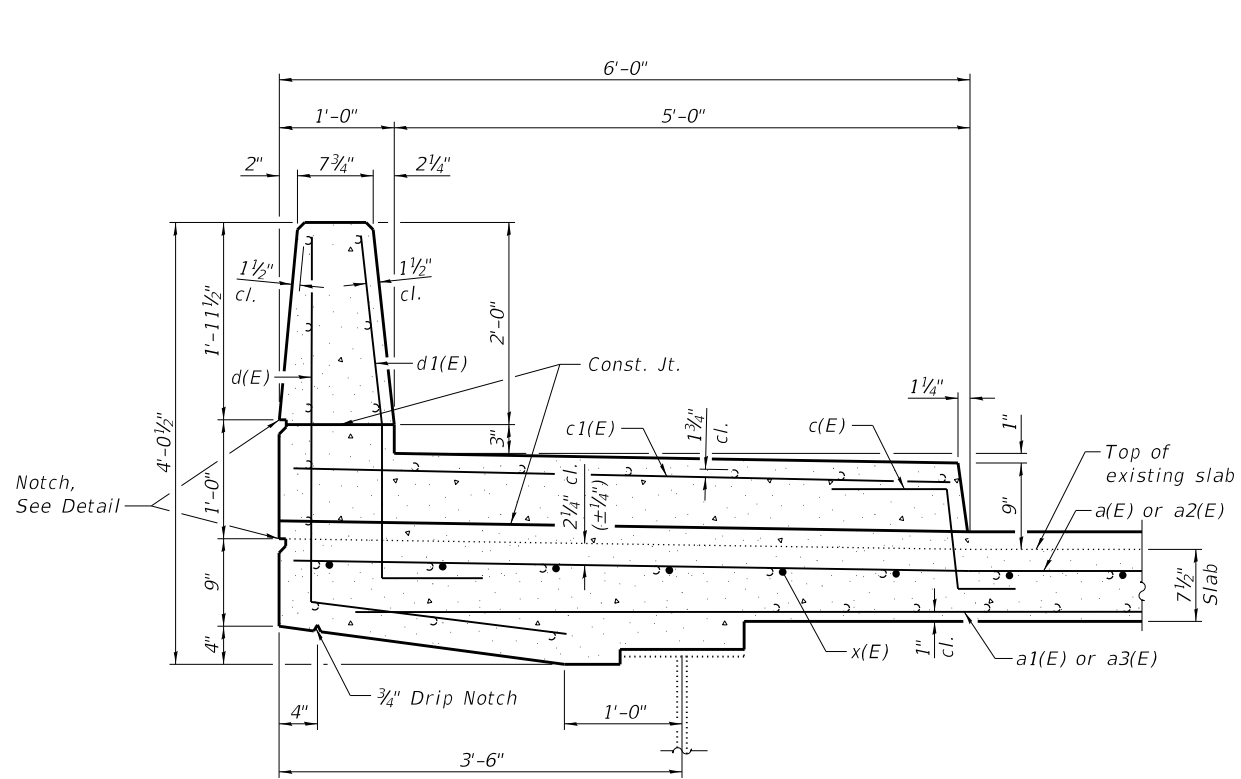


USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

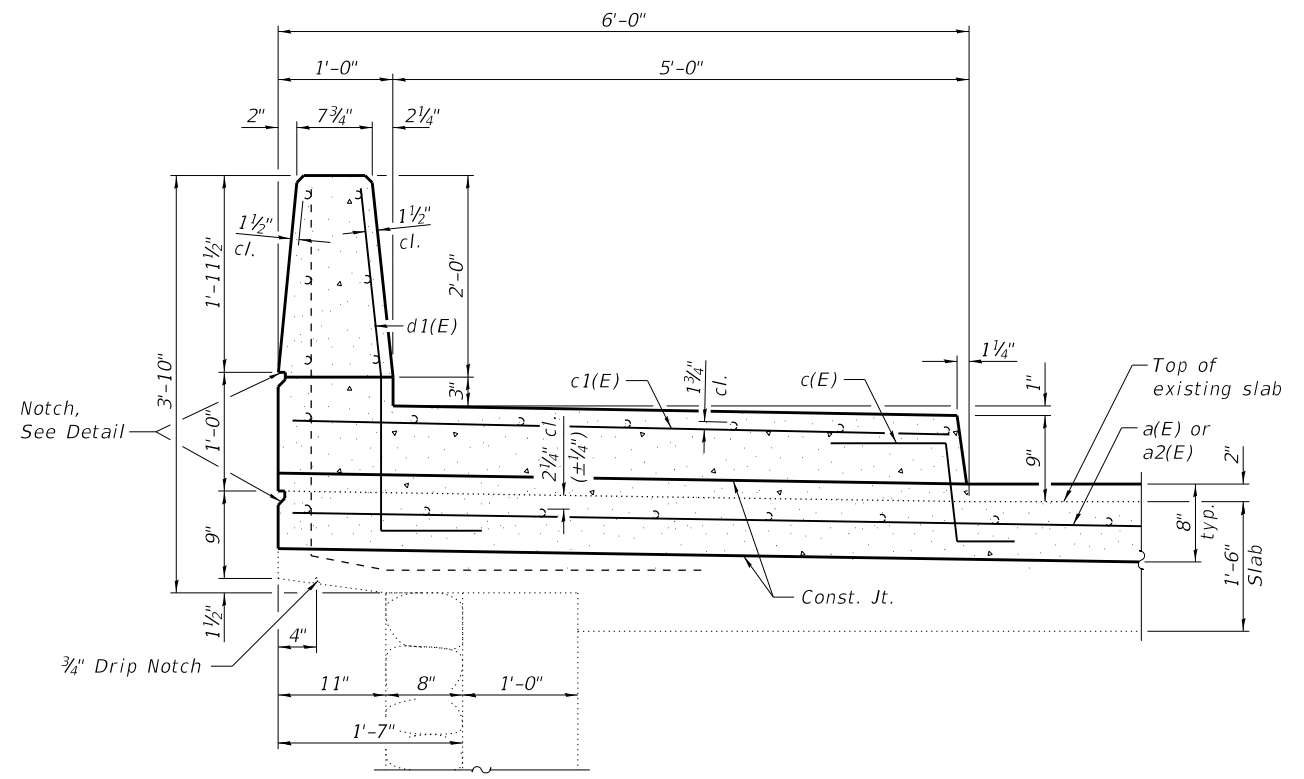
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPLACEMENT
STRUCTURE NO. 082-0234
SHEET 7 OF 27 SHEETS

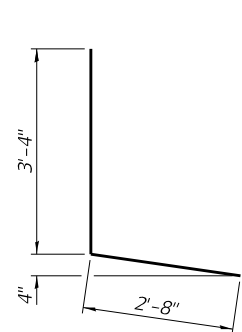
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	203
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



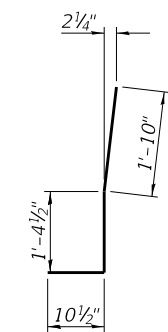
SECTION THRU SIDEWALK ①
(Showing Bridge Deck)



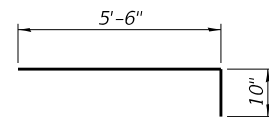
SECTION THRU SIDEWALK ①
(Showing Approach Slab)



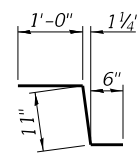
BAR d(E)



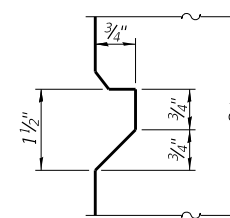
BAR d1(E)



BAR x(E)



BAR c(E)



NOTCH DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	36	#5	30'-7"	—
a1(E)	32	#5	29'-11"	—
a2(E)	36	#5	32'-1"	—
a3(E)	32	#5	31'-7"	—
c(E)	48	#5	2'-5"	⌋
c1(E)	48	#5	8'-4"	—
d(E)	48	#4	6'-0"	L
d1(E)	56	#6	4'-1"	⌋
x(E)	172	#5	6'-4"	—
Concrete Removal			Cu. Yd.	48.3
Concrete Superstructure			Cu. Yd.	53.3
Reinforcement Bars, Epoxy Coated			Pound	6,620

Notes:

- Existing reinforcement extending into the removal area as shown shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
- For expansion joint details, see sheets 13 and 14 of 27.

FILE NAME: H:\P\17025\17025.003\Bridg\Microstation\0820234-76E13-008_Joint_Details.dgn



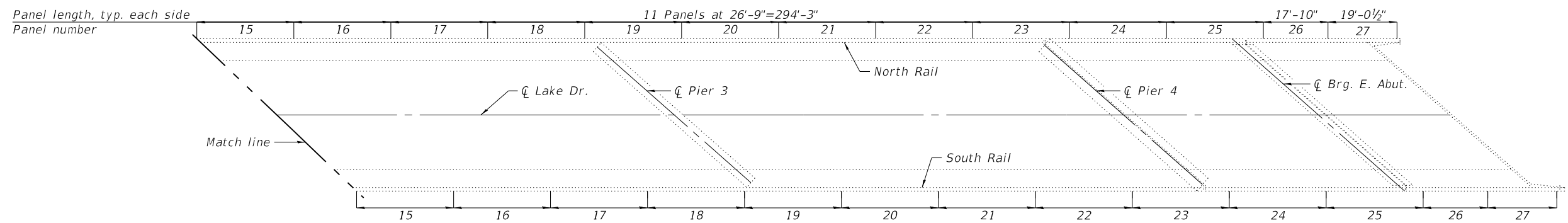
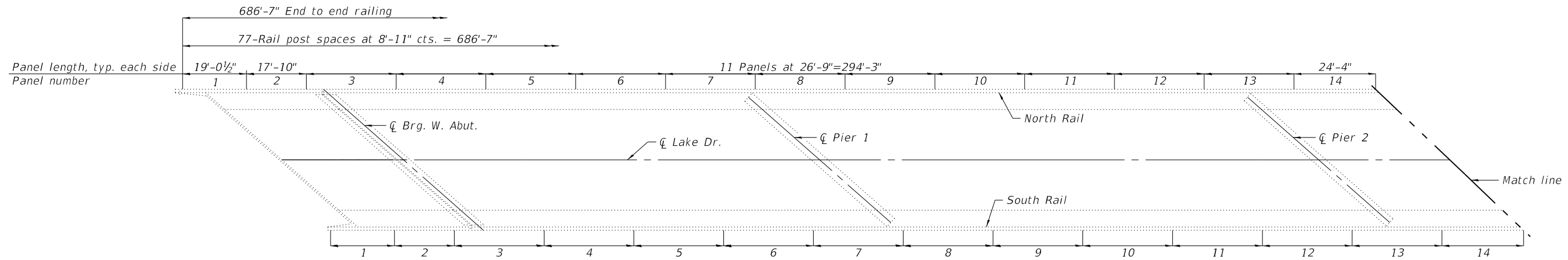
USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS
STRUCTURE NO. 082-0234

SHEET 8 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	204
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PLAN
(Showing unfolded railing layout)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Pedestrian Rail (Special)	Foot	265

- Notes:
- ① Panels include a continuous section of railing between splices in horizontal members.
 - ② For plans of existing aluminum pedestrian rail, see sheet 22 of 27.

FILE NAME: H:\P\17025\17025.003\Bridge\Microstation\0820234-76E13-009_Pedestrian Railing Repair.dgn



USER NAME =	DESIGNED - MAM	REVISED -
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PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN RAILING REPAIR
STRUCTURE NO. 082-0234**

SHEET 9 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	205
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



NORTH RAIL - PANEL 11 ①



NORTH RAIL - PANEL 16 ①



SOUTH RAIL - PANEL 4 ①



SOUTH RAIL - PANEL 7 ②

- Notes:
- ① Repair impact damage.
 - ② Repair cracked welds on base plates.
 - ③ Panels include a continuous section of railing between splices in horizontal members.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-010_Pedestrian Railing Repair.dgn



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN RAILING REPAIR
STRUCTURE NO. 082-0234**

SHEET 10 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	206
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		



SOUTH RAIL - PANEL 8 ①②



SOUTH RAIL - PANEL 9 ①



SOUTH RAIL - PANEL 10 ①



SOUTH RAIL - PANEL 11 ①

- Notes:
- ① Repair impact damage.
 - ② Repair cracked welds on base plates.
 - ③ Panels include a continuous section of railing between splices in horizontal members.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-011_Pedestrian Railing Repair.dgn



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
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PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN RAILING REPAIR
STRUCTURE NO. 082-0234

SHEET 11 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	207
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		



SOUTH RAIL - PANEL 14 ①



SOUTH RAIL - PANEL 15 ①②

- Notes:
- ① Repair impact damage.
 - ② Repair cracked welds on base plates.
 - ③ Panels include a continuous section of railing between splices in horizontal members.

FILE NAME: H:\P\17025\17025.003\Bridg\Microstation\0820234-76E13-012_Pedestrian Railing Repair.dgn



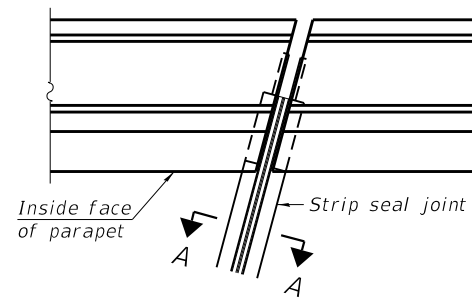
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PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN RAILING REPAIR
STRUCTURE NO. 082-0234**

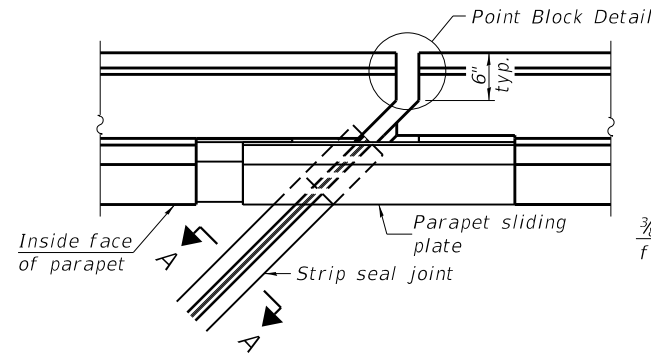
SHEET 12 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	208
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

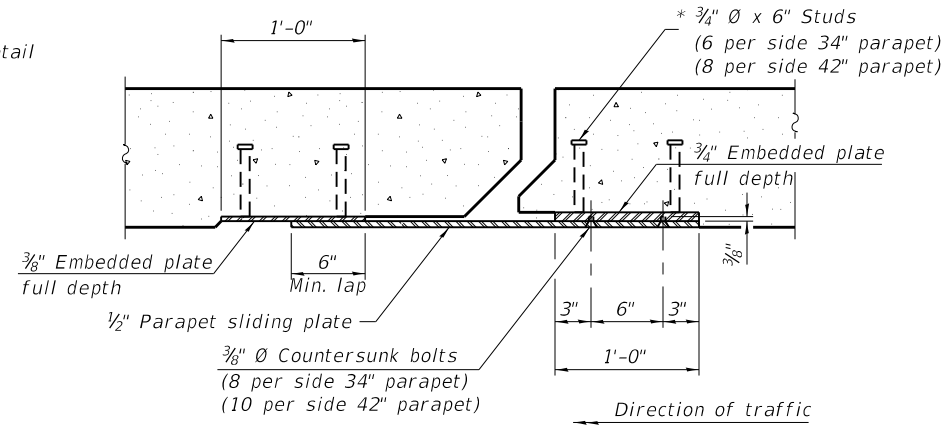


FOR SKEWS $\leq 30^\circ$

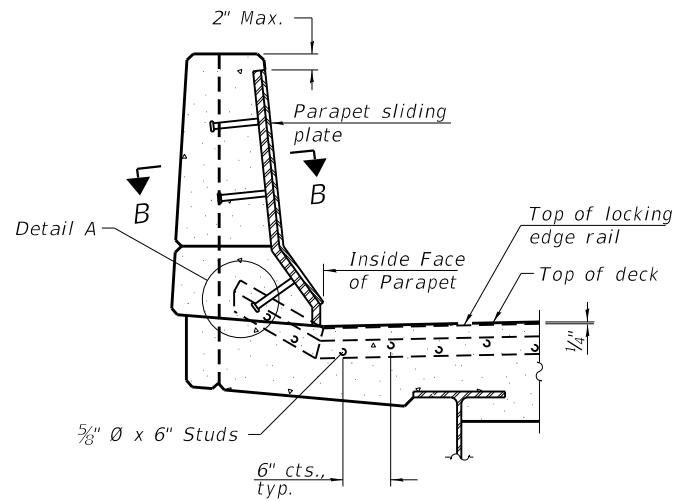
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

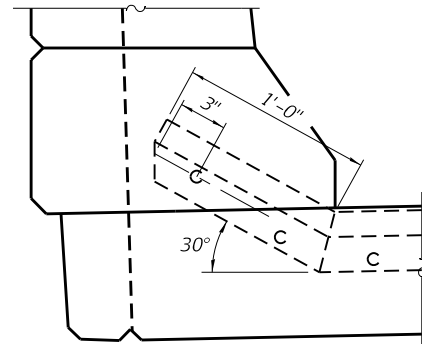


SECTION B-B

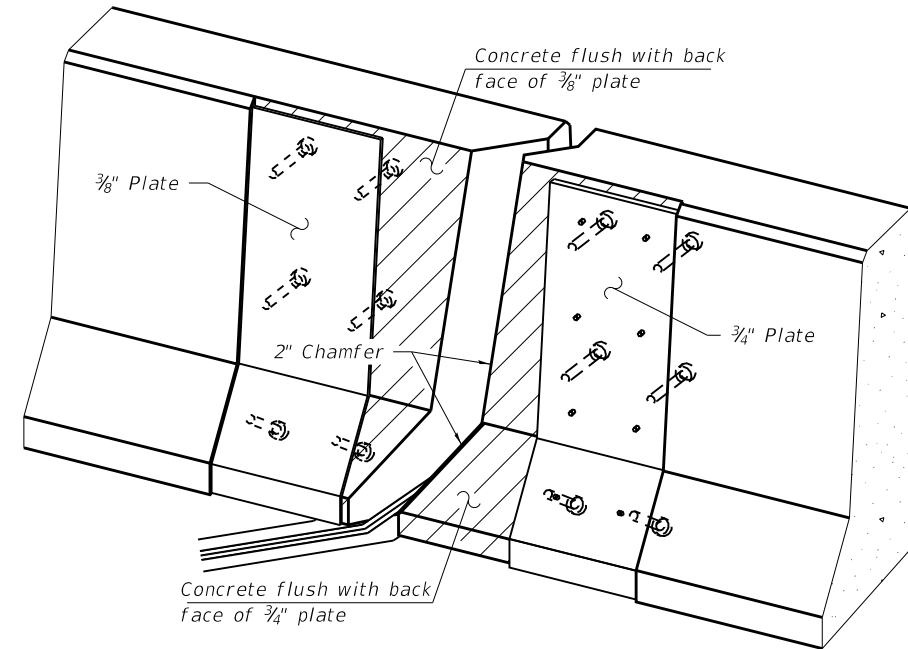


ELEVATION AT PARAPET

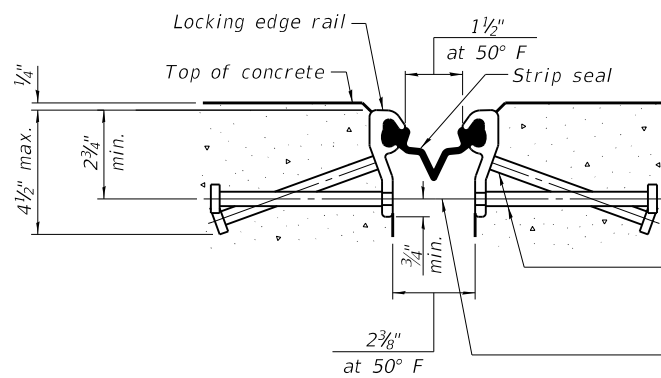
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



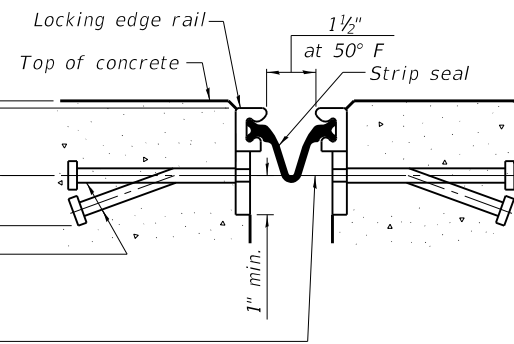
SHOWING ROLLED RAIL JOINT

* $\frac{3}{8}$ " ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

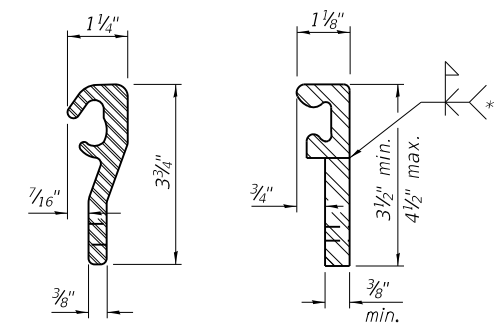
$\frac{3}{8}$ " ϕ threaded rods in $\frac{7}{16}$ " ϕ holes at ± 4 "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



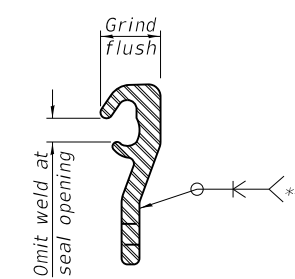
SHOWING WELDED RAIL JOINT



ROLLED (EXTRUDED) RAIL
WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	182

FILE NAME: H:\P\17025\17025.003\Bldg\Microstation\0820234-76E13-013_Prefomed Joint Strip Seal.dgn

EJ-SS-S

8-11-17



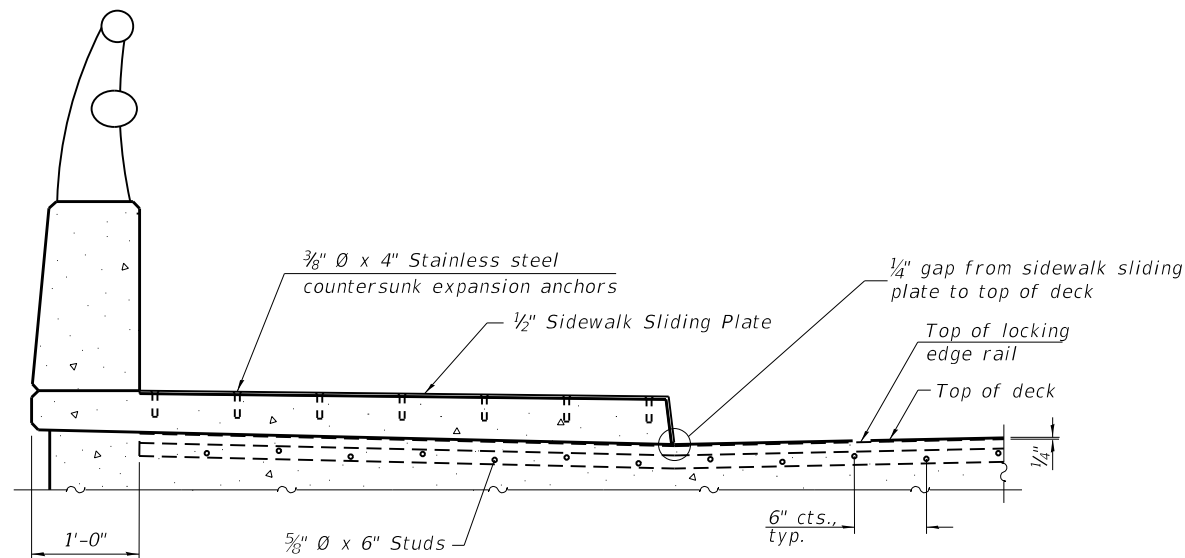
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PLOT SCALE =	CHECKED - SJN	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

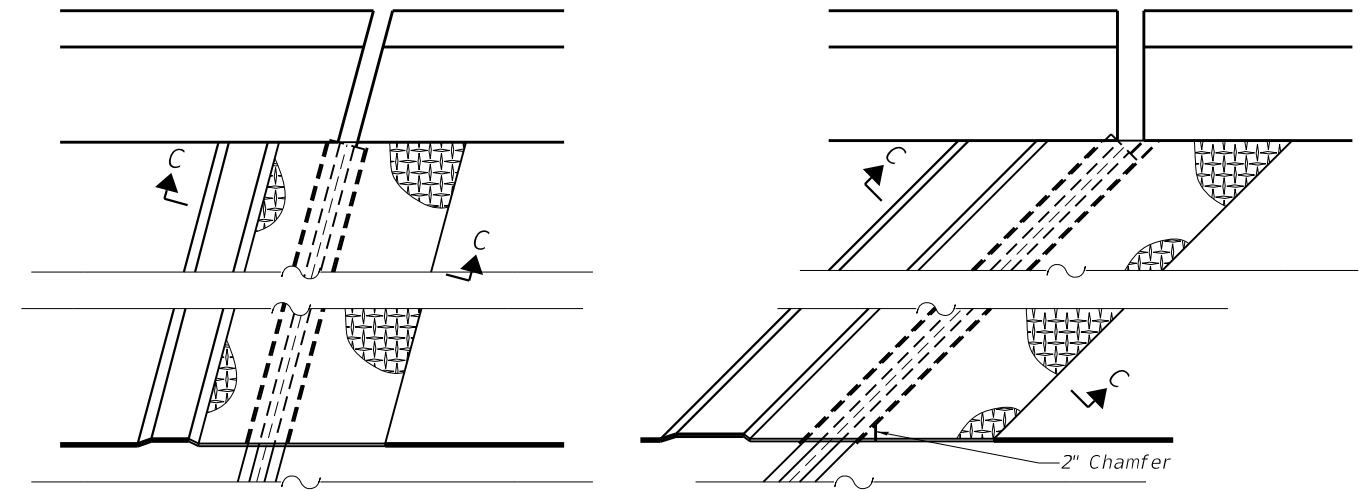
PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 082-0234

SHEET 13 OF 27 SHEETS

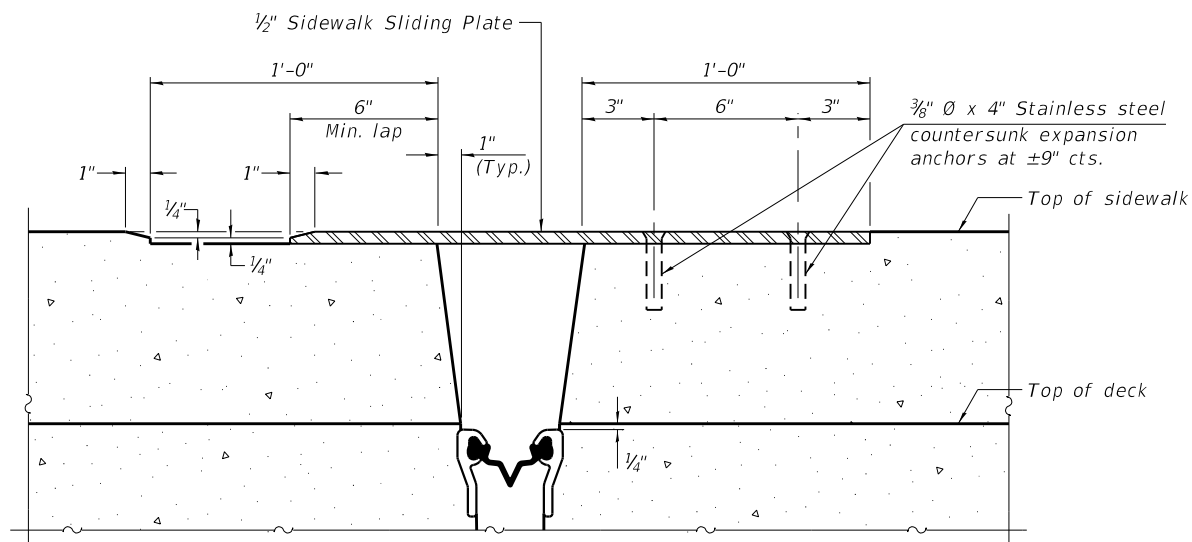
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	209
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



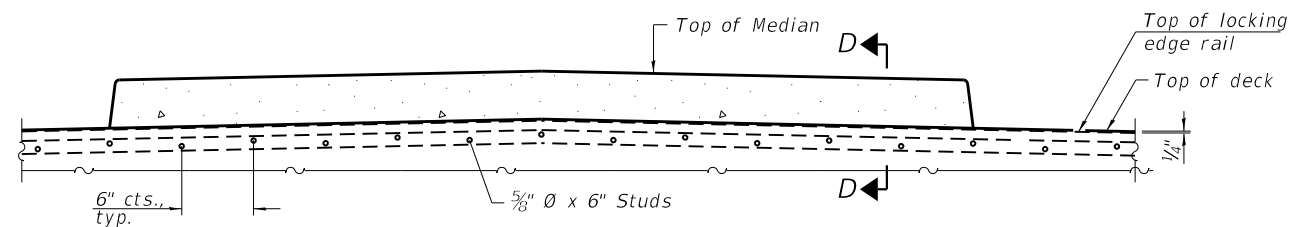
ELEVATION AT RAISED SIDEWALK



PLAN AT RAISED SIDEWALK

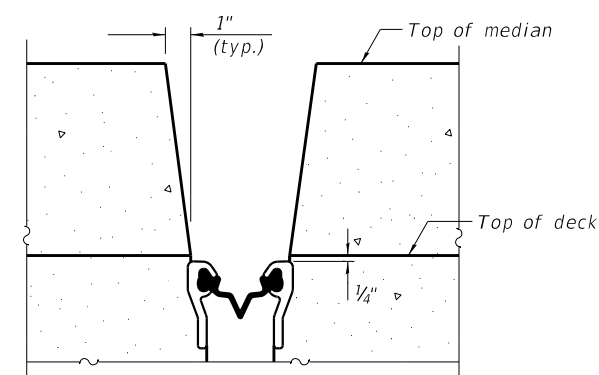


SECTION C-C

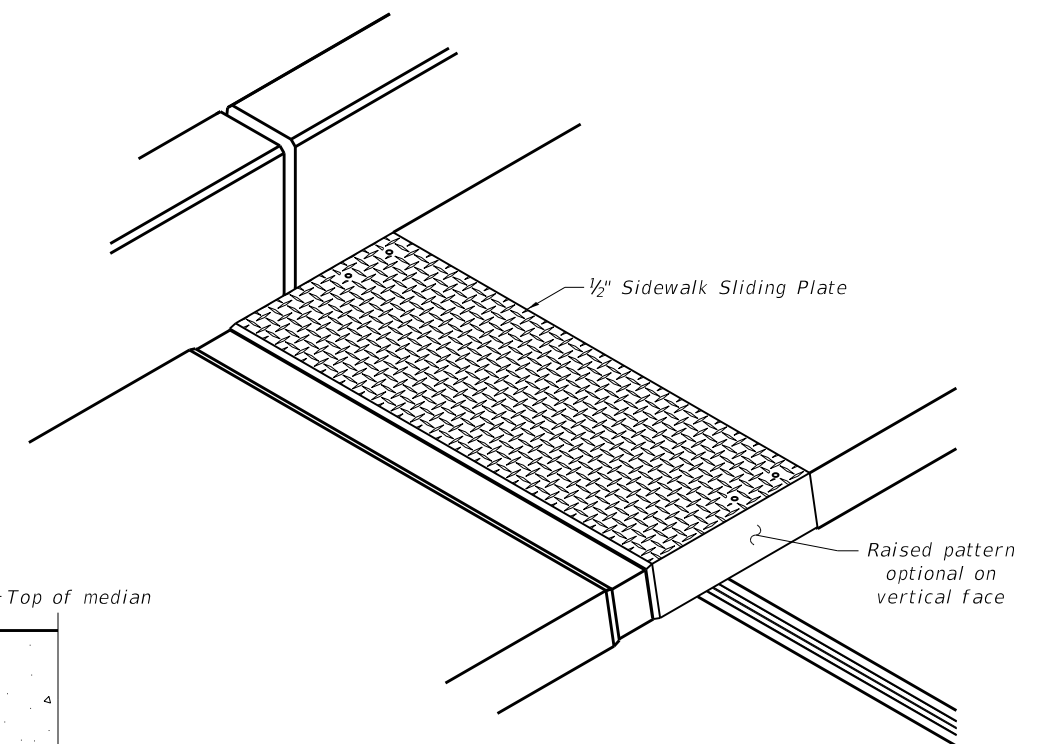


ELEVATION AT MEDIAN

For skews $> 30^\circ$, chamfer acute corners 2" similar to sidewalk.



SECTION D-D
(at Rt. L's)



TRIMETRIC VIEW

EJ-SS-S

8-11-17



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 8/1/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

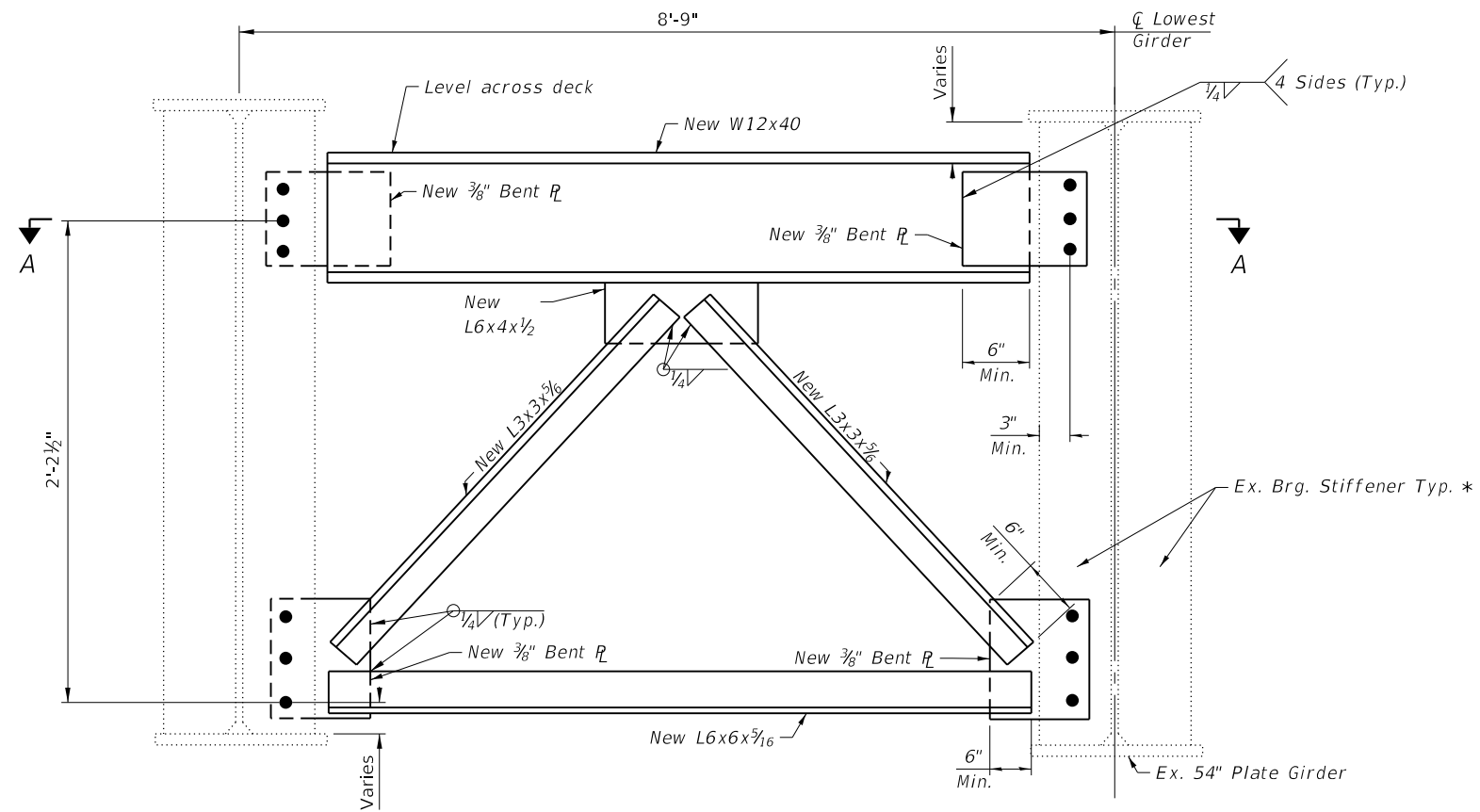
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL - SIDEWALK
STRUCTURE NO. 082-0234

SHEET 14 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	210
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-014_Prefomed Joint Strip Seal.dgn



* SPAN 4 $\frac{3}{4}$ "x $8\frac{1}{2}$ "
 SPAN 5 $\frac{3}{4}$ "x $5\frac{3}{4}$ "

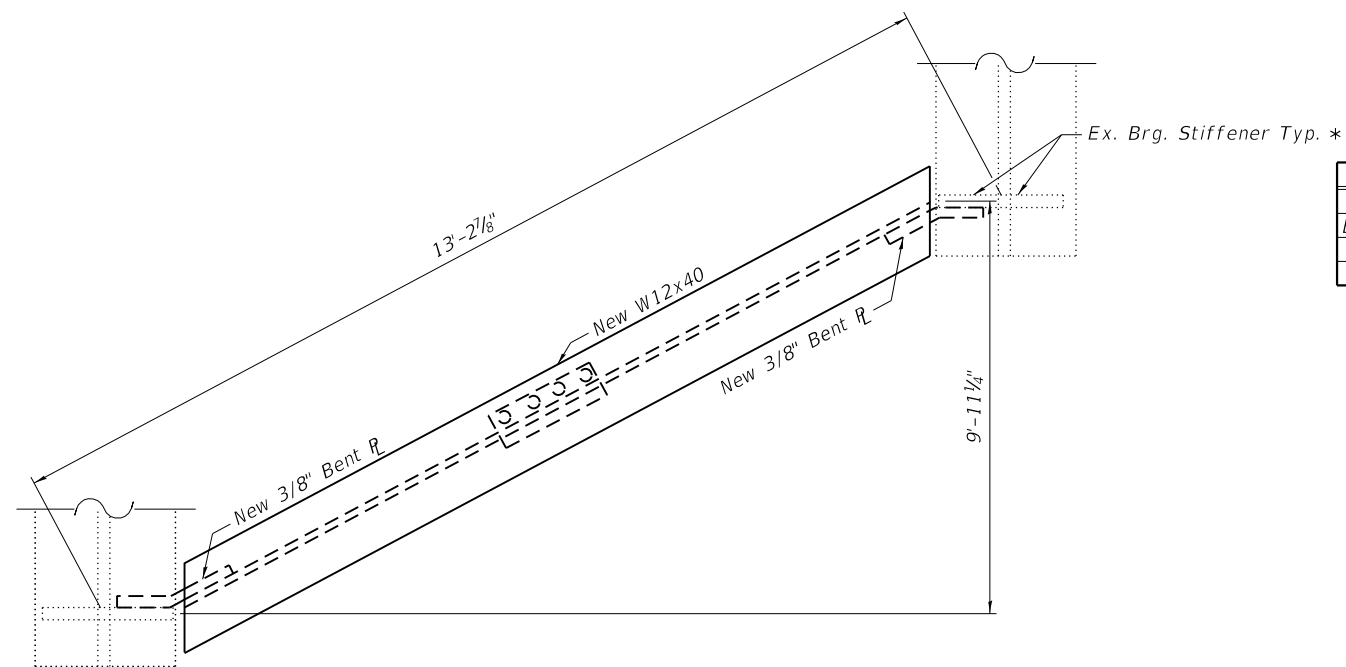
** See Sheets 24 thru 26 of 27
 for existing details

NOTES:

All cross frames at pier 4 in spans 4 and 5 to be repaired per details on this sheet.
 All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted.
 No field welding is permitted except as specified in the contract documents.
 Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ " ϕ .
 Cross-frame connection holes shall be $1\frac{5}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts.
 Two hardened washers shall be required at diaphragm connections.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". Cost included in Structural Steel Repair.
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 The inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 25YR $\frac{3}{4}$.

CROSS FRAME REPLACEMENT DETAILS

(8 - REQUIRED)



CONNECTION PLATE DIMENSIONS

	Span 4	Span 5
Bottom Plate Low Beam Side	13" x $\frac{3}{8}$ " x 3'-0 $\frac{1}{2}$ "	13" x $\frac{3}{8}$ " x 3'-0"
Bottom Plate High Beam Side	12 $\frac{1}{2}$ " x $\frac{3}{8}$ " x 2'-11 $\frac{3}{4}$ "	12 $\frac{1}{2}$ " x $\frac{3}{8}$ " x 3'-0 $\frac{1}{4}$ "
Middle Plate	L6x4x $\frac{1}{2}$ x2'-8"	L6x4x $\frac{1}{2}$ x2'-8"
Top Plates	9" x $\frac{3}{8}$ " x 1'	9" x $\frac{3}{8}$ " x 1'

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	6,930
** Structural Steel Removal	Pound	7,200

SECTION A-A

MODEL: \$MODELNAMES
 FILE NAME: SA2017171011 Var Ph H.I. IDOT D8-Oates PTB 183-12WO-3Struct Design(SN 082-0234)(CADD)Replacement Details.dgn



USER NAME =	sdutakis	DESIGNED -	SDY	REVISED -	
Replacement Details.dgn		CHECKED -	GBD	REVISED -	
PLOT SCALE =		DRAWN -	LMC	REVISED -	
PLOT DATE =		CHECKED -	MDC	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS FRAME REPAIRS - PIER 4
 STRUCTURE NO. 082-0234

SHEET 15 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	211
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

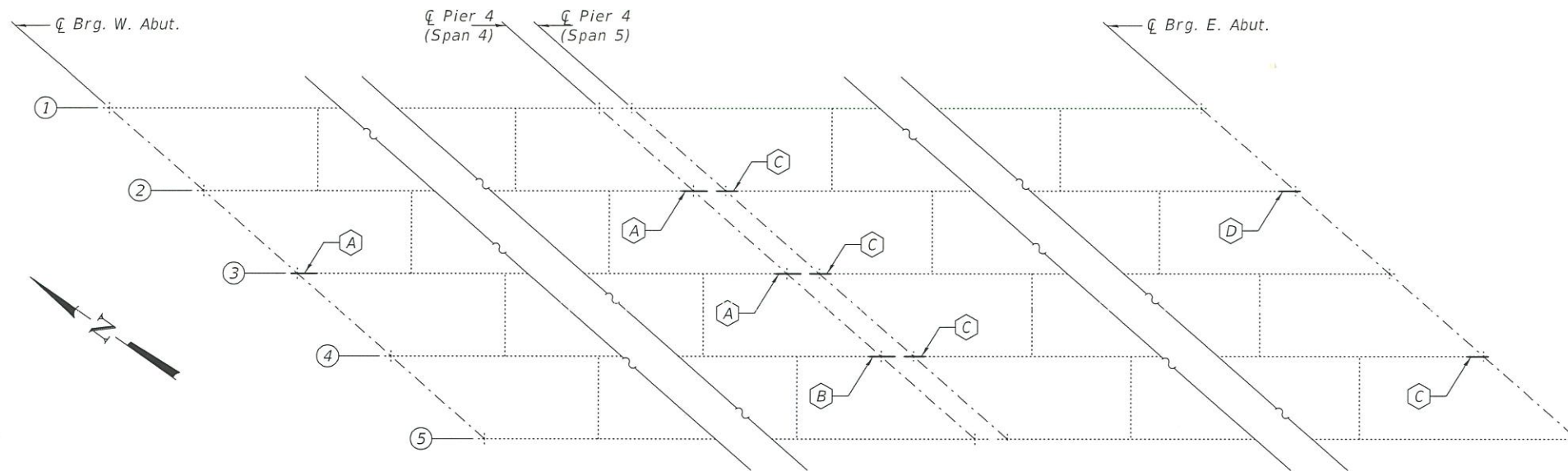
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Fasteners shall be high strength bolts. Bolts $\frac{7}{8}"\varnothing$, open holes $1\frac{5}{16}"\varnothing$, unless otherwise noted.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

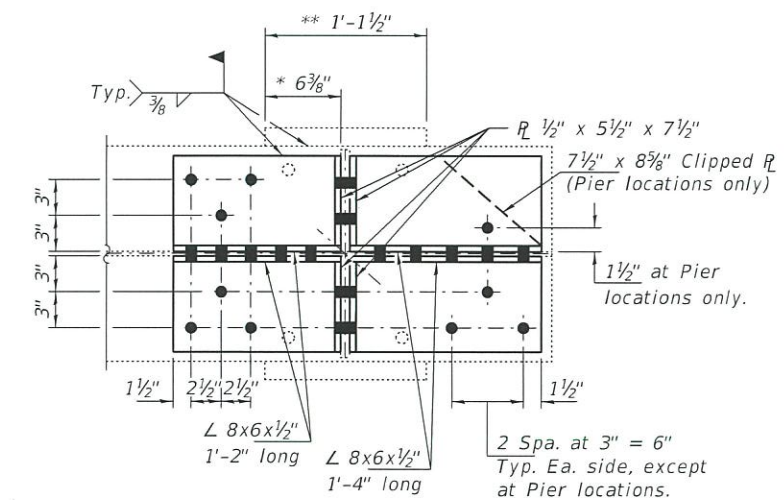
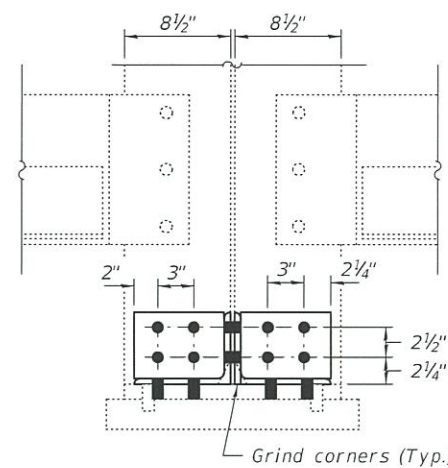
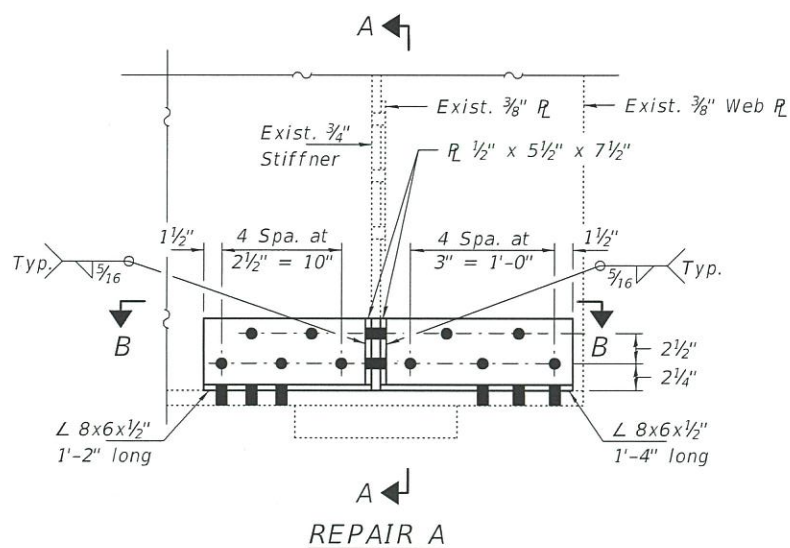
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.



PARTIAL FRAMING PLAN

- Ⓐ - Repair A
- Ⓑ - Repair B
- Ⓒ - Repair C
- Ⓓ - Repair D



SECTION B-B

* Weld angle to bottom flange.

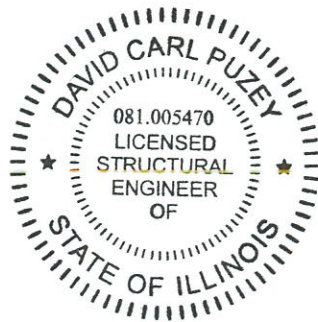
** Weld bottom flange to top bearing plate.

BOLT HOLE LEGEND

● - Shop drill holes in new steel.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1260



EXPIRES 11-30-2020
Seal applies to sheets 16 & 17 of 27.

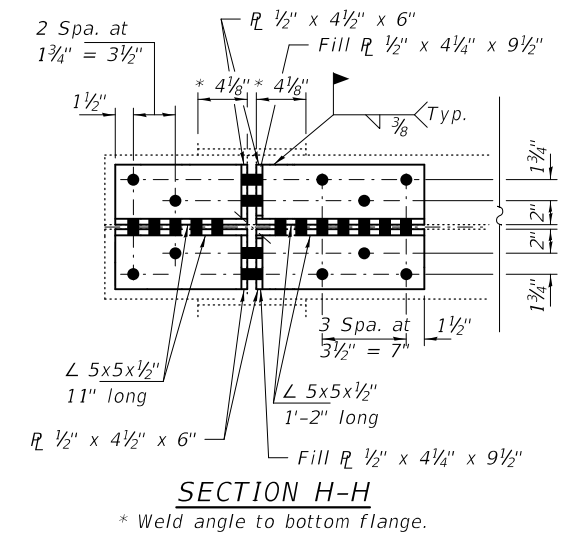
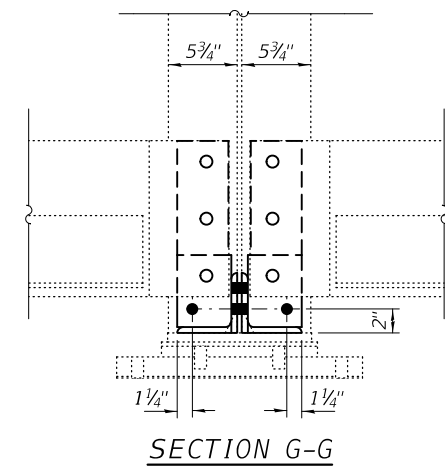
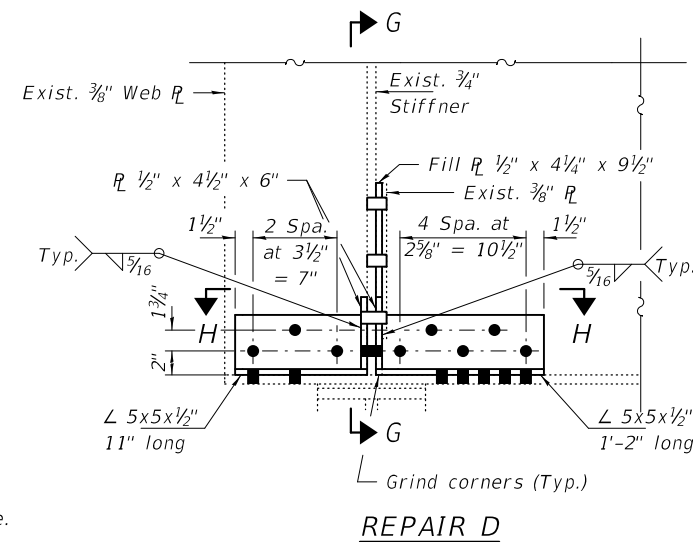
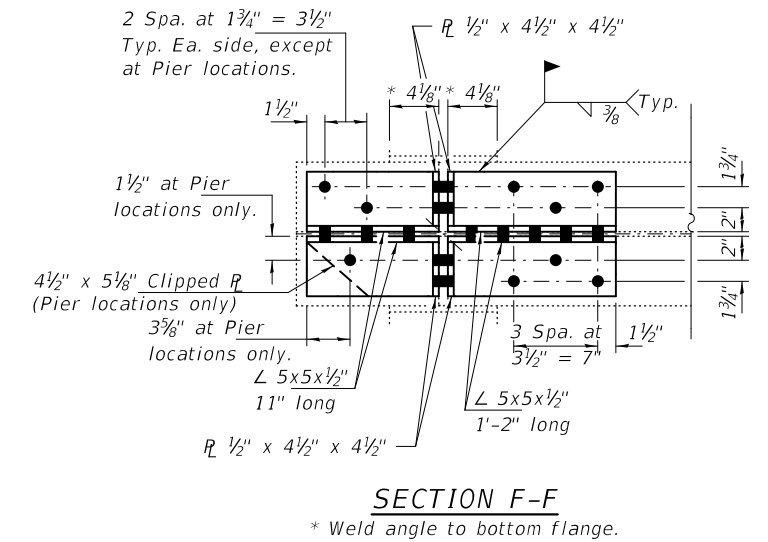
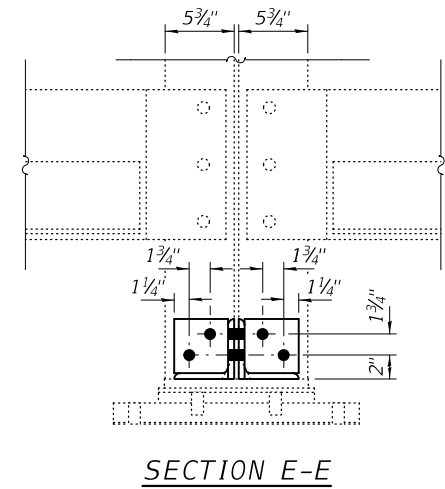
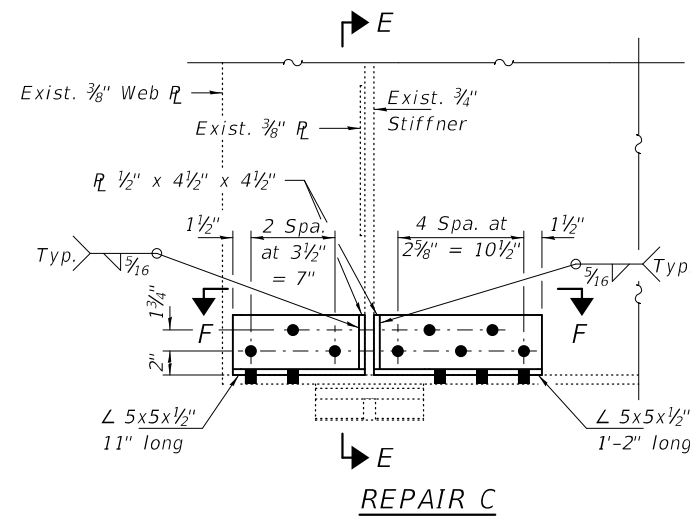
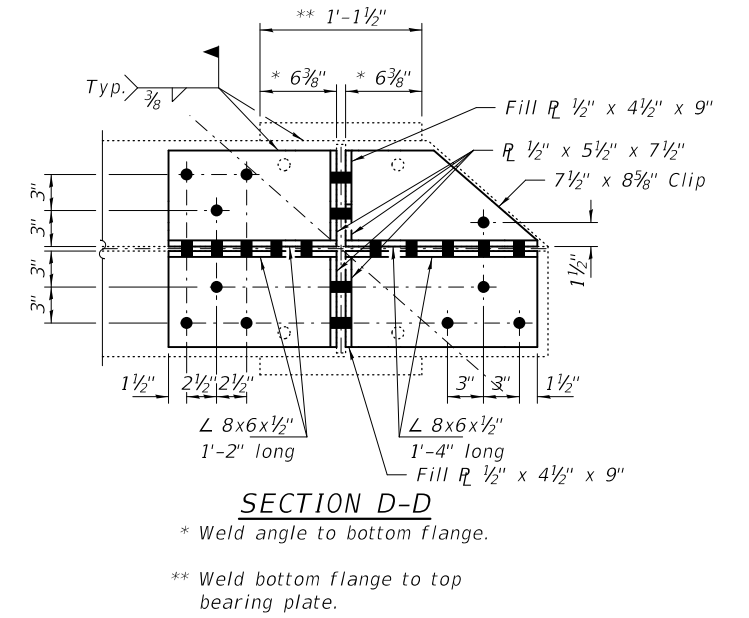
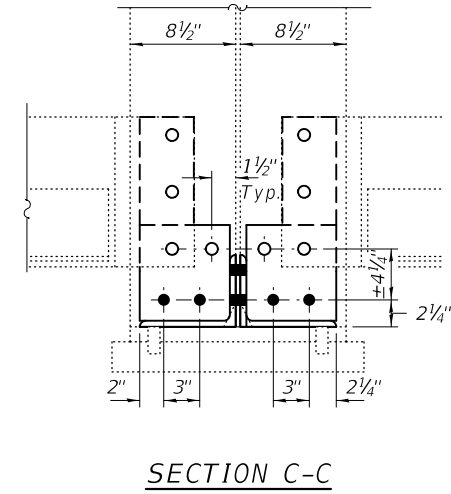
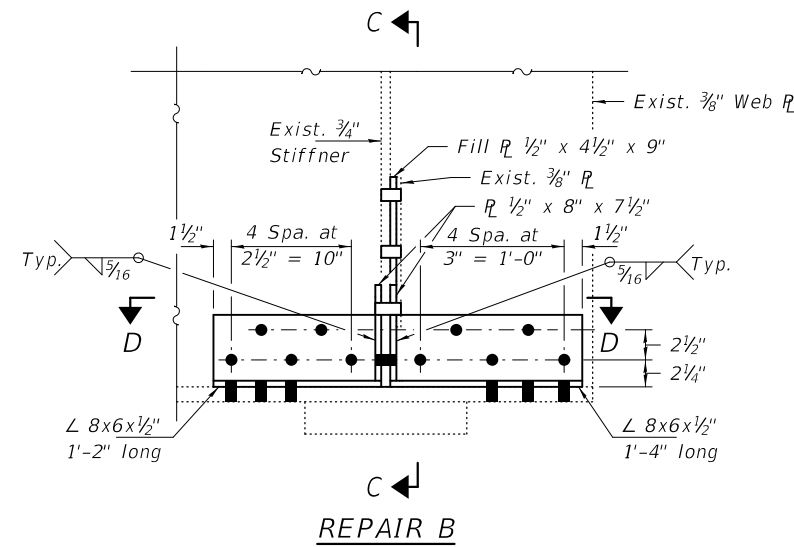
DESIGNED - <i>Victor H. Volz</i>	EXAMINED - <i>Tony A. Doherty</i>	DATE - OCTOBER 2, 2019
CHECKED - <i>Adam Kallaway</i>	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - <i>daburdell</i>	PASSED - <i>Paul Thompson</i>	REVISD -
CHECKED - <i>UHS</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
FAU 9185 OVER I-255
SN 082-0234

SHEET NO. 16 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3, 2/RS	ST. CLAIR	280	212
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



BOLT HOLE LEGEND

- - Field drill using existing steel as template.
- - Shop drill holes in new steel.

DESIGNED - VHV
CHECKED - ATH
DRAWN - daburdell
CHECKED - VHV ATH

EXAMINED
PASSED
Timothy A. Daulton
ENGINEER OF STRUCTURAL SERVICES
Carl R. Roper
ENGINEER OF BRIDGES AND STRUCTURES

DATE - OCTOBER 2, 2019
REVISED -
REVISED -

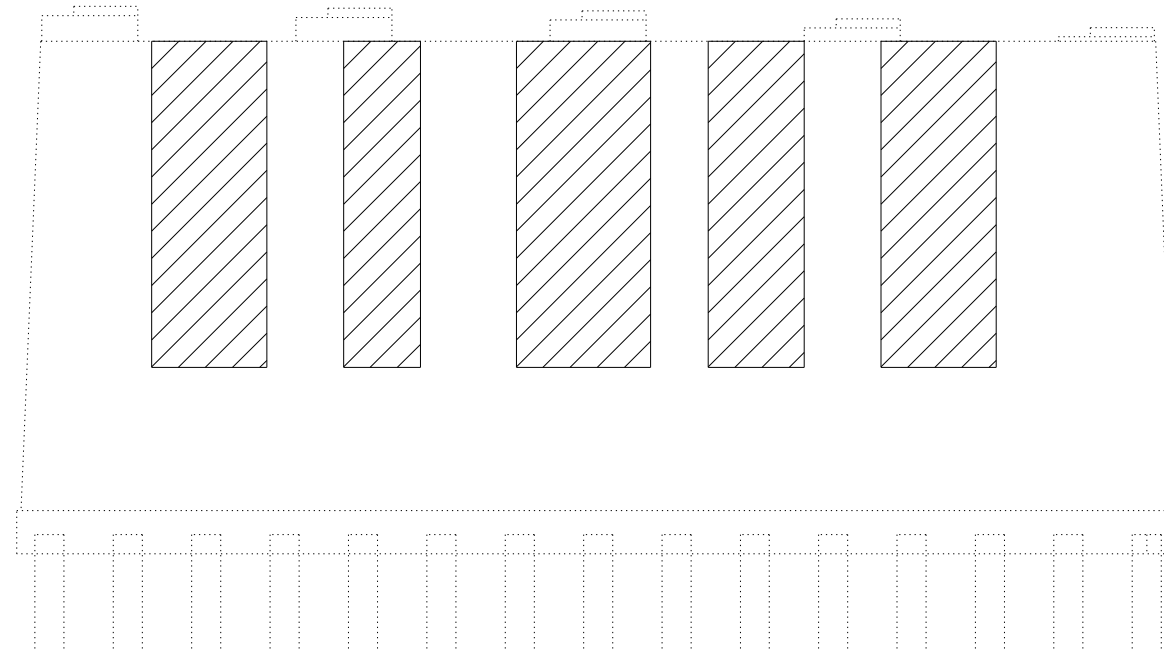
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
FAU 9185 OVER I-255
SN 082-0234

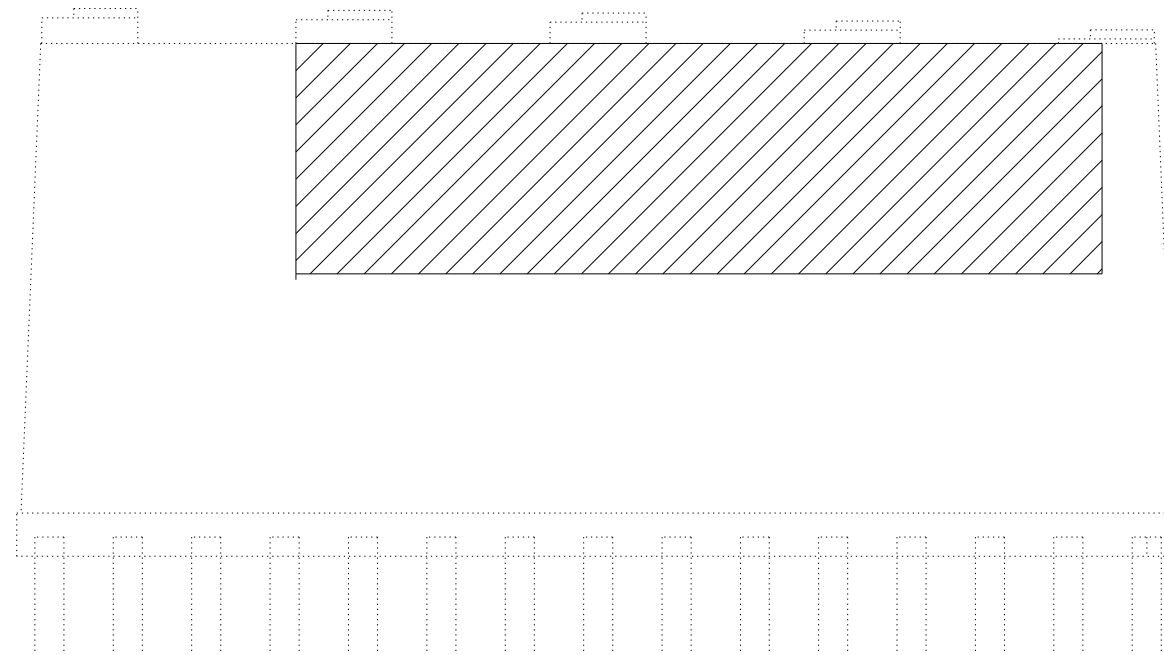
SHEET NO. 17 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3, 2)RS	ST. CLAIR	280	213
CONTRACT NO. 76E13				

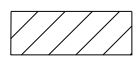
ILLINOIS FED. AID PROJECT



PIER 4 ELEVATION (WEST SIDE)



PIER 4 ELEVATION (EAST SIDE)

 Structural Repair of Concrete (Depth Equal To or Less Than 5 inches)

Notes:
 ① Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.

FILE NAME: H:\P\17025\17025\03\Bidge\Microstation\0820234-76E13-018_Substructure Concrete Repairs.dgn



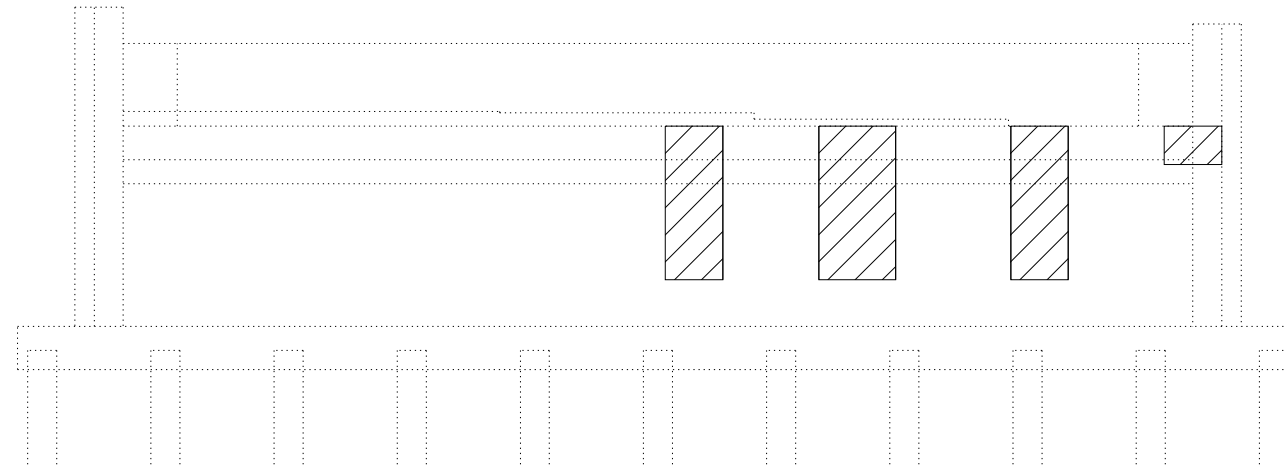
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	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

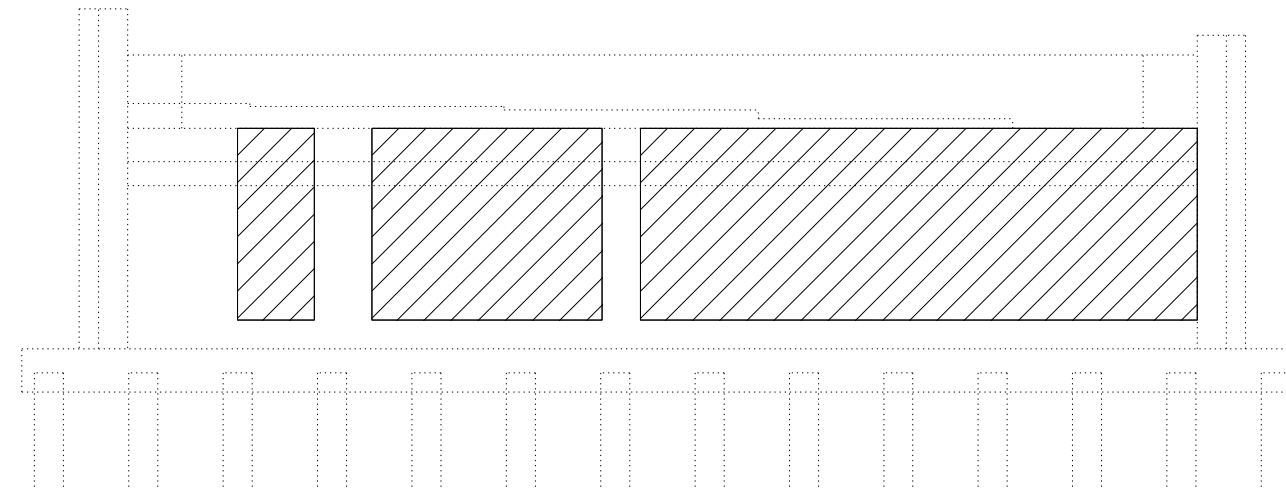
SUBSTRUCTURE CONCRETE REPAIRS
 STRUCTURE NO. 082-0234

SHEET 18 OF 27 SHEETS


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	214
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		



WEST ABUTMENT ELEVATION
(Looking West)



EAST ABUTMENT ELEVATION
(Looking East)

 Structural Repair of Concrete (Depth Equal To or Less Than 5 inches)

Notes:
① Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	1,516

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820234-76E13-019_Substructure Concrete Repairs.dgn



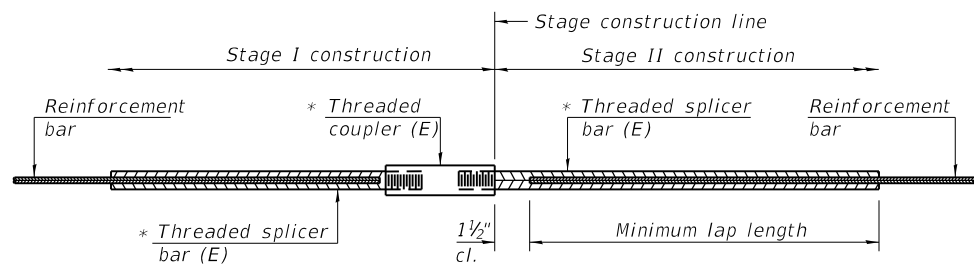
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	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE CONCRETE REPAIRS
STRUCTURE NO. 082-0234**

SHEET 19 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	215
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

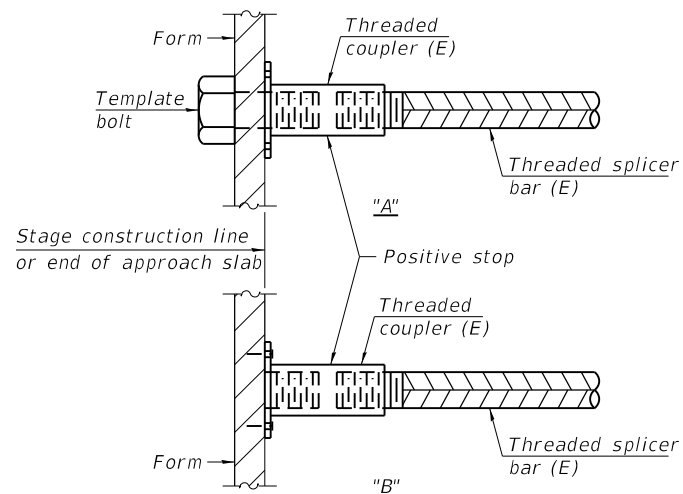


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

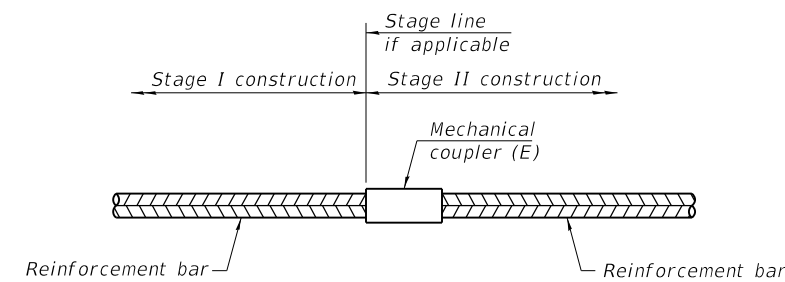
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bridge Deck	5	64	3'-4"
Approach Slab	5	4	3'-4"



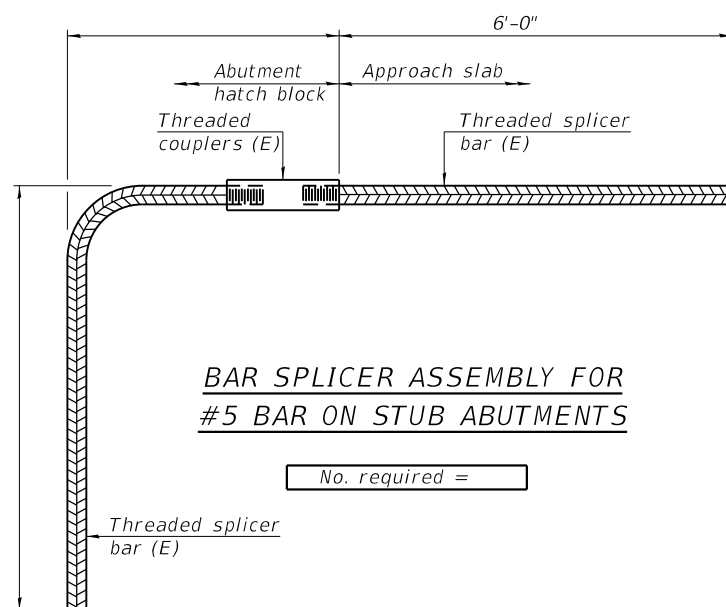
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017

FILE NAME: H:\P\17025\17025.003\Bridge\Microstation\0820234-76E13-020_Bar_Splicer Assembly and Mechanical Splicer Details.dgn



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - SJN	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 082-0234

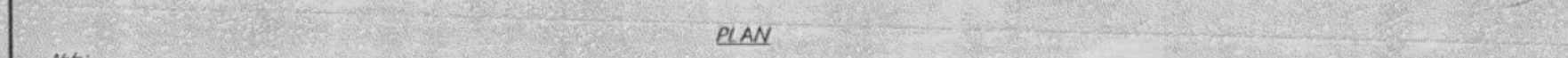
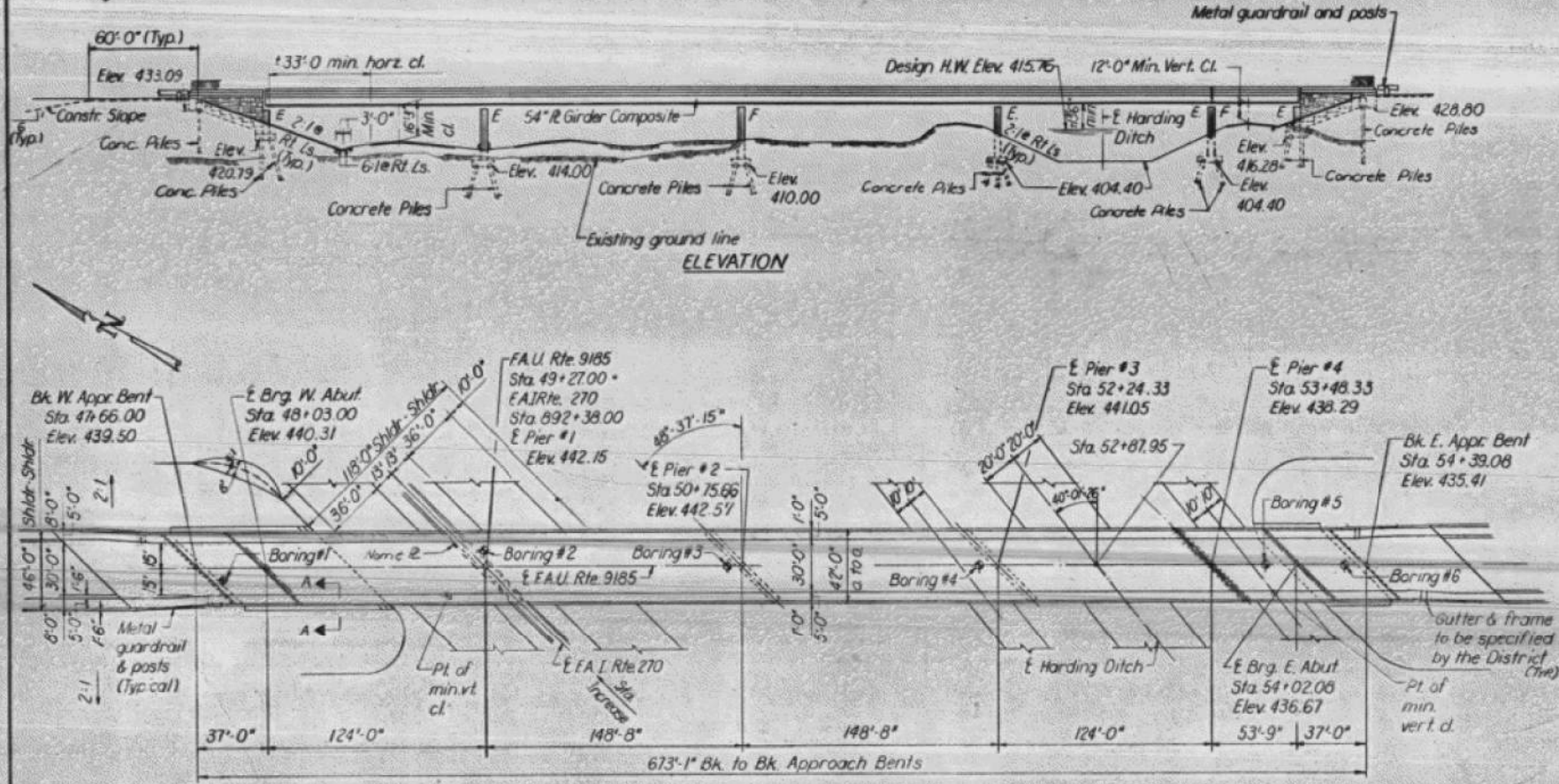
SHEET 20 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	216
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Benchmark: #12 R.R. Spike in base of tree at Northwest corner of the intersection of 62nd Street and Lake Dr. Elev. 417.39.
No existing structure.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	REVISION	BY	NO.	SHEET NO. 1
11-20-19	#1	ST. CLAIR	86	31
C6 SHEETS				



Note: For Section A-A see sheet #21.

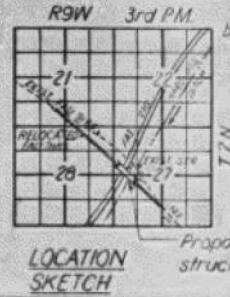
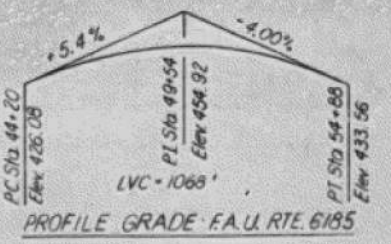
STATION 892+38.00
BUILT BY
STATE OF ILLINOIS
F.A.I. RTE 270 SEC. 82-3BHB-2
F.A. PROJ. I-270-7(2)
LOADING HS20
STR. NO.

NAME PLATE
(See Std. 2113)
Structure Number to be supplied
by District.

WATERWAY INFORMATION
Drainage Area ----- 33.6 Sq Miles
Design Discharge ----- 3800 c.f.s.
Existing Opening ----- 812 Sq Ft
Required Opening ----- 1080 Sq Ft
Proposed Opening ----- 1080 Sq Ft
Design H.W.E. based on Harding
Ditch capacity 3600 c.f.s.

DESIGN STRESSES

$f_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Reinforcement)
 $f_y = 36,000$ & 50,000 p.s.i. (Structural)
 $n = 9$
LOADING HS 20-44
Design Specifications: 1977 AASHTO and
1976 Interim Specs. as applicable.
Allow 25 #/Sq. Ft. for future wearing surface.
** Epoxy coated reinforcement bars shall be
used in the top layer of the slab.



GENERAL NOTES

See Proposal for Boring Data.
Fasteners shall be high strength bolts. Bolts $\frac{3}{8}$ ", open holes $\frac{1}{8}$ ", unless otherwise shown.
Calculated weight of Structural Steel: M-222= 480,390 Lbs. M-183= 315,990 Lbs.
The basic lead silico chromate paint system shall be used for shop and field painting of Structural Steel except the final field coat shall be brown. See Special Provisions.
Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.
Field welding of construction accessories will not be permitted to the bottom flange of girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
Anchor bolts shall be set before bolting cross frames over supports. Slopewall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 50# per 100 Sq. Ft.
The Contractor shall drive one concrete test pile each of W. Abut., Pier 2, and of E. Abut., in a permanent location as directed by the Engineer before ordering the remainder of piles.
Piles at the approach bents shall be driven in holes precored through the embankment in accordance with Article 513.09(c) of the Standard Specifications.
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges, webs and all splice plate material of the steel girders.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Sand Backfill	Cu. Yd.		554	554
Structure Excavation	Cu. Yd.		808	808
Protective Coat	Sq. Yd.	3520		3520
Class X Concrete	Cu. Yd.	1136.0	1261.5	2397.5
Structural Steel	L.S.	1		1
Stud Shear Connectors	Each	4575		4575
Aluminum Pedestrian Rail	Lin. Ft.	1374		1374
Reinforcement Bars	Pound	124,160	80,220	204,380
Reinforcement Bars (Epoxy Coated)	Pound	139,000		139,000
Landon Weather-Edge Stone Masonry	Sq. Ft.		1253	1253
Granite Block Slope Wall	Sq. Yd.		119	119
Concrete Piles	Lin. Ft.		12834	12834
Test Piles (Concrete)	Each		3	3
Name Plates	Each		1	1
Slope Wall (4")	Sq. Yd.		198	198
Neoprene Expansion Joint (2")	Lin. Ft.	64		64
Neoprene Expansion Joint (4")	Lin. Ft.	128		128

*The weather-edge stones and granite blocks will be furnished by the State of Illinois and installed by the Contractor. See Sp. Prov.
***See painting notes on sheet #12. See Sp. Prov.

GENERAL PLAN AND ELEVATION
F.A.U. RTE. 9185 (LAKE DRIVE) OVER
F.A.I. RTE. 270 AND HARDING DITCH
F.A.I. ROUTE 270 SECTION 82-3BHB-2
ST. CLAIR COUNTY
STATION 892+38

DESIGNED	Suresh Desai
CHECKED	DAU KRULL
DRAWN	R. Dely
CHECKED	DK

EXAMINED	[Signature]
PASSED	[Signature]
APPROVED	[Signature]

Revised: 6-5-19 R.D.

FOR INFORMATION ONLY

FILE NAME: H:\P\17025\17025\003\Bridges\Microstation\0820234-76E13-021_Existing Bridge Plans.dgn



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 8/1/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

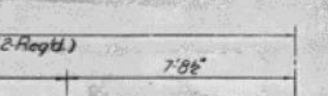
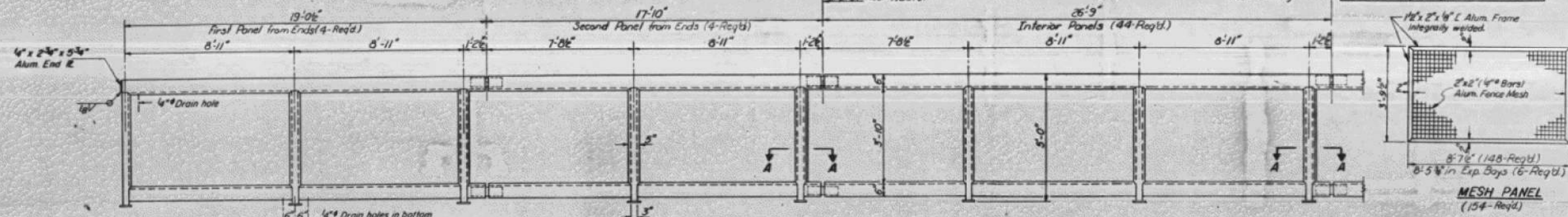
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234
SHEET 21 OF 27 SHEETS

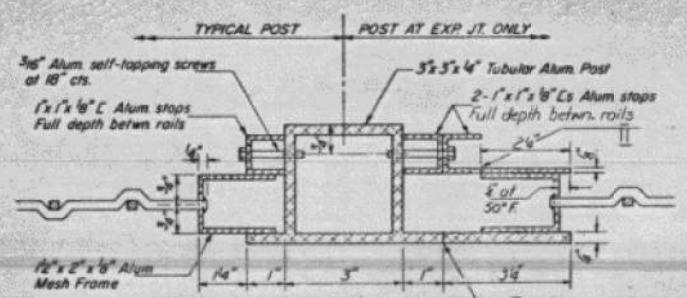
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	217
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

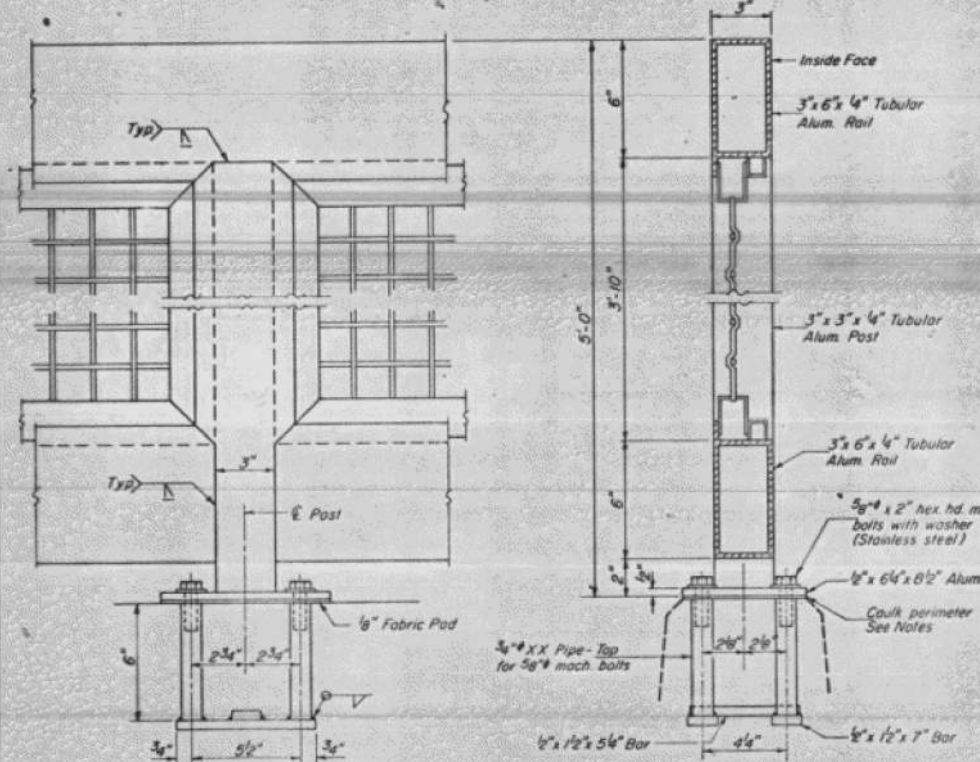
PROJECT NO.	82-38	SHEET NO.	42
ST. CLAIR		26 SHEETS	



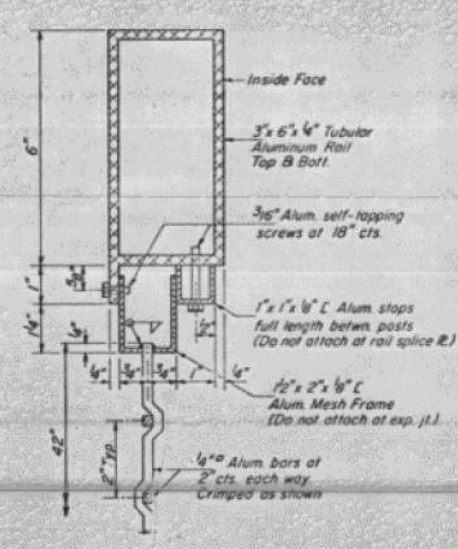
OUTSIDE ELEVATION



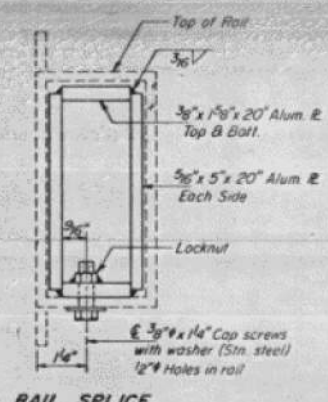
SECTION A-A



POST DETAILS



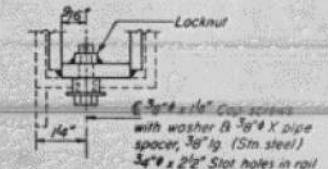
SECTION THRU RAIL



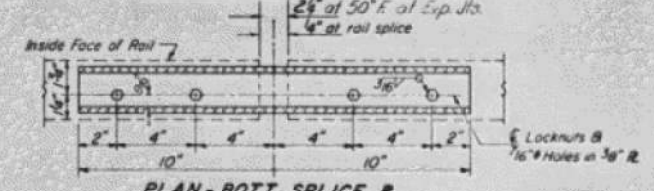
RAIL SPLICE

NOTES

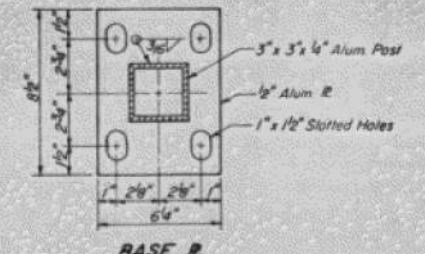
- Stainless steel machine bolts or cap screws shall be in accordance with Article 710.37 (a) of the Std. Spec's.
- All joints in rail shall be spliced per detail.
- Provide 1-1/2" x 2-1/2" aluminum shims for 25% of the posts. Rail element shall be parallel to line - high spots shall be ground and low spots shimmed.
- Seal perimeter - base plate to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers, gun grade with primer. Fabric bearing pad shall be the same dimensions as base plate.
- Aluminum alloy post shall conform to ASTM B221 alloy 6063-T6 with min. yield 25 ksi, min. tensile 25 ksi, and elongation of 10% in 2 inches.
- Aluminum alloy rail and channel shall conform to ASTM B221 alloy 6063-T52 or alloy 6063-T6.
- Aluminum bar for fence mesh shall conform to ASTM B211 alloy 6061-T94, or ASTM B221 alloy 6063-T52.
- Aluminum plate shall conform to ASTM B209 alloy 6061-T6 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.
- The exposed surfaces of the aluminum pedestrian rail shall be cleaned and given a washcoat pretreatment in accordance with the Steel Structure Painting Council's Specification SSPC-SP1 & SSPC-PT3 followed by the Basic Lead Silico Chromate painting specified for Structural Steel.



RAIL SPLICE CONN. AT EXP. JT.



PLAN - BOTT. SPLICE R



BASE R

DESIGNED	Suresh Desai
CHECKED	DAU KULL
DRAWN	D. Doly
CHECKED	D. K.

EXAMINED	APR 27 2019
PASSED	
APPROVED	

(9'-0" Maximum post spacing)

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Pedestrian Rail	Lin. Ft.	1374

ALUMINUM PEDESTRIAN RAIL
EAL RT 270 SEC 82-38HB-2
ST. CLAIR COUNTY
STA 892+38.00

FOR INFORMATION ONLY

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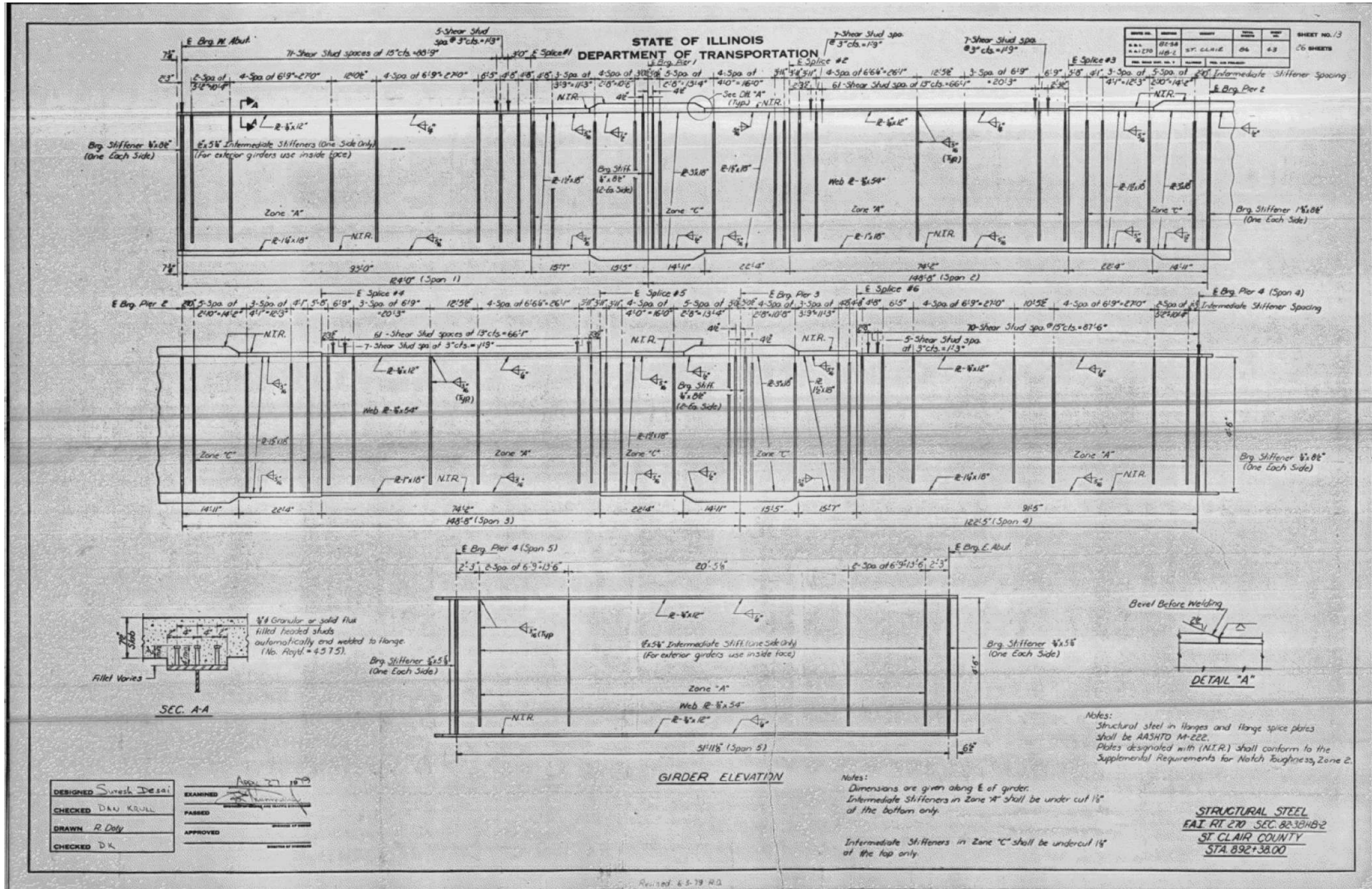


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PLOT DATE = 8/1/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234
SHEET 22 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2)RS	ST. CLAIR	280	218
				CONTRACT NO. 76E13
			ILLINOIS FED. AID PROJECT	



FOR INFORMATION ONLY

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	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

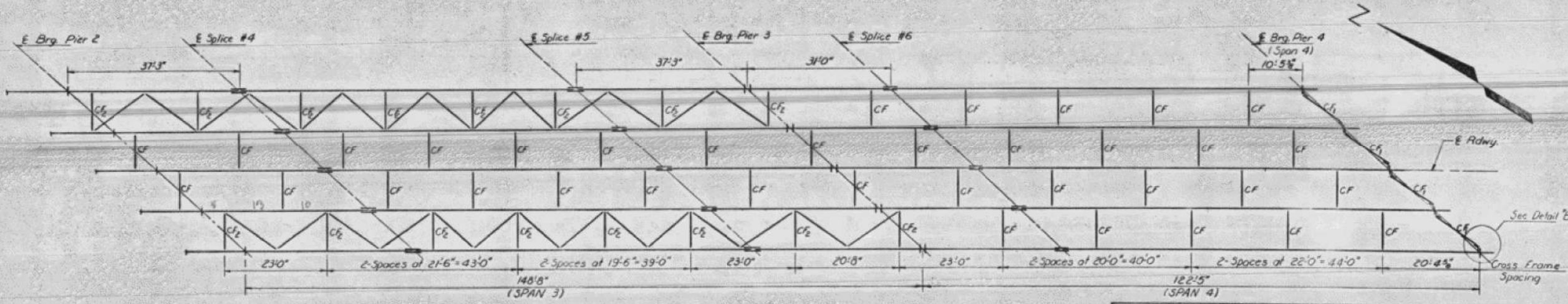
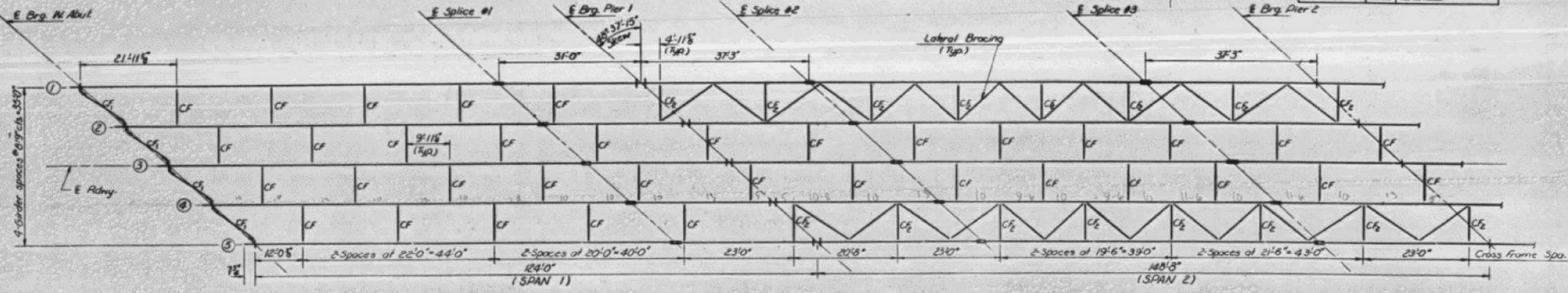
**EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234**

SHEET 23 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	219
CONTRACT NO. 76E13				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
082-234	82-3	ST. CLAIR	280	44
26 SHEETS				



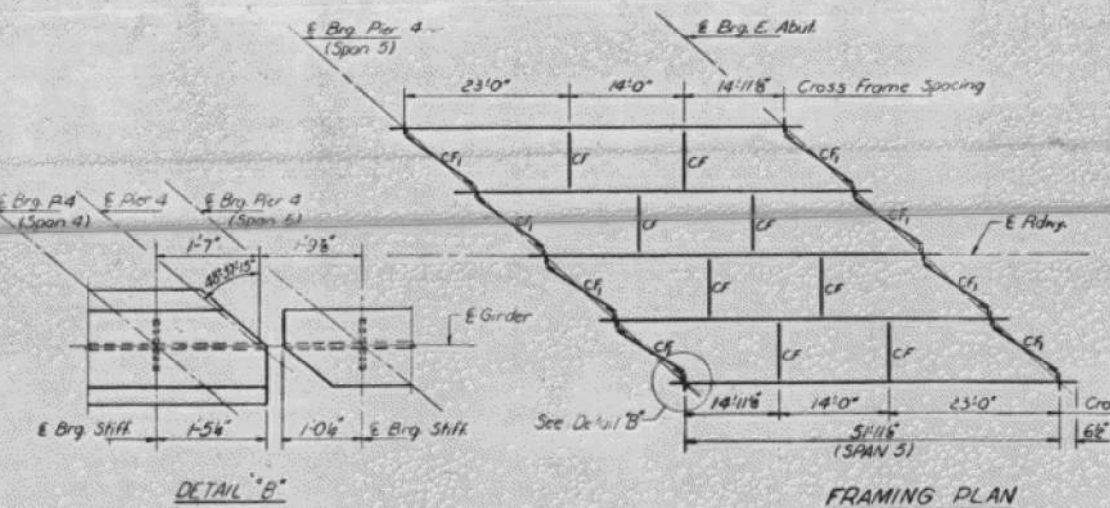
	W. Abut.	Pier 1	Pier 2	Pier 3	P4 (Sp. 4)	E Abut.
R _R (k)	86.1	288.2	273.3	266.8	79.8	45.2
R _L (k)	52.0	105.1	106.8	104.8	51.9	42.0
Imp. (k)	10.4	20.2	19.5	19.2	10.4	13.3
R _{TOTAL} (k)	148.5	413.5	399.6	410.8	142.1	105.5

	4 Span 1 Pier 1	5 Span 2 Pier 2	5 Span 3 Pier 3	6 Span 4 Pier 4	Span 5			
I _s (in ⁴)	26119	92725	23971	92725	23971	92725	26119	18410
I _c (in ⁴)	30428	61892	61892	61892	61892	61892	30428	70428
S _s (in ³)	1244	3091	1054	3091	1054	3091	1244	663
S _c (in ³)	1644	1398	1398	1398	1398	1398	1644	1644
Q _s (ft)	1.090	1.853	1.119	1.853	1.119	1.853	1.090	1.740
M _R (ft-k)	1252	5305	815	4850	831	5257	1210	769
F _s E (ksi)	12.1	20.5	9.2	16.8	9.5	20.4	11.7	13.8
S _R E (k)	749	749	749	749	749	749	749	749
M _s E (ft-k)	1036	818	818	818	818	818	1005	1005
M _R E (ft-k)	2757	3348	2618	3524	2618	3330	2727	1143
M _{imp} E (ft-k)	866	643	400	645	400	640	549	323
Total (ft-k)	4349	3991	3916	4169	3923	3970	4281	1465
F _s S _R E (ksi)	31.7	15.5	33.6	16.2	33.7	15.4	31.2	26.5
F _s Total (ksi)	43.8	36	42.8	35	43.2	35.8	42.9	40.3
VR (k)	72.4	64.8	64.8	64.8	64.8	64.8	72.4	72.4

Note: Load factors 1.3 [2+5/16"] is used for computing moments.
I_s and S_s are the moment of inertia and section modulus of the steel section.
I_c and S_c are the moment of inertia and section modulus of the composite section used in computing I_s.
VR is the maximum & Impact shear range in span.

DESIGNED Suresh Desai
CHECKED DAU KRULL
DRAWN R. Dohy
CHECKED DL

EXAMINED [Signature]
PASSED
APPROVED



DETAIL "B"

FRAMING PLAN

STRUCTURAL STEEL
F.A.I. RT. 270 SEC. 82-3BHB-2
ST. CLAIR COUNTY
31A. 892+38.00

FOR INFORMATION ONLY

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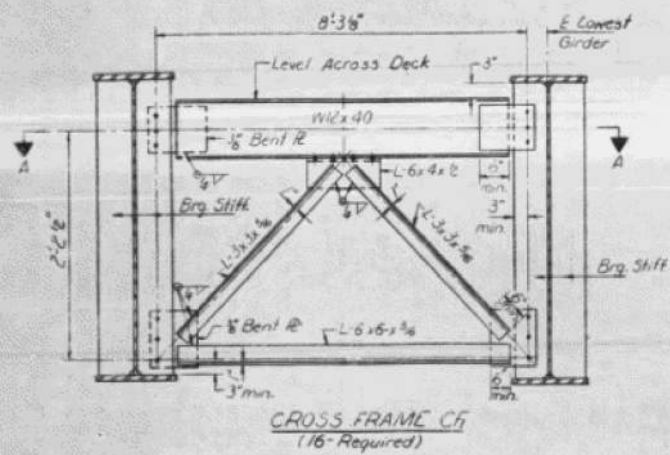
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-234
SHEET 24 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2)RS	ST. CLAIR	280	220
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

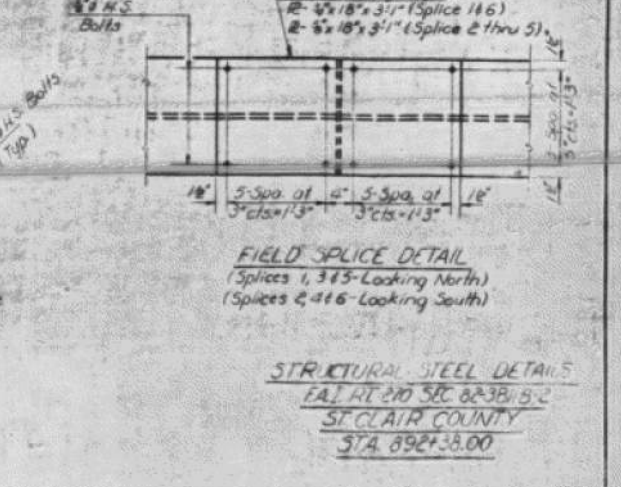
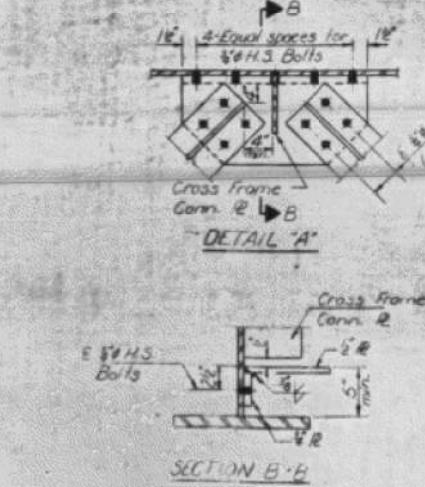
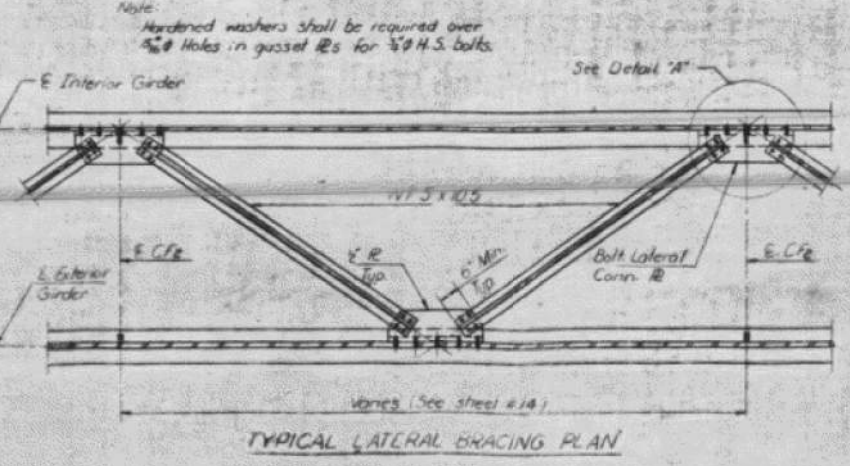
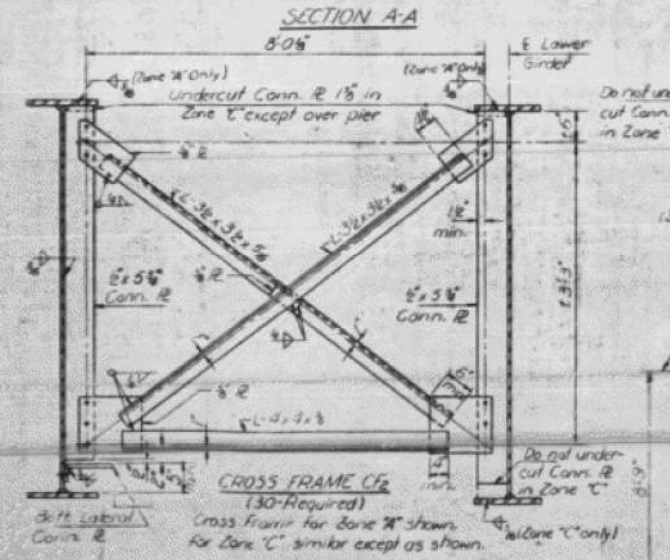
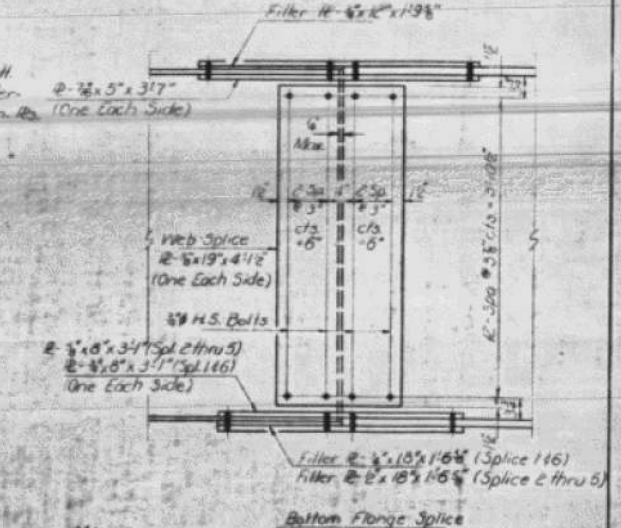
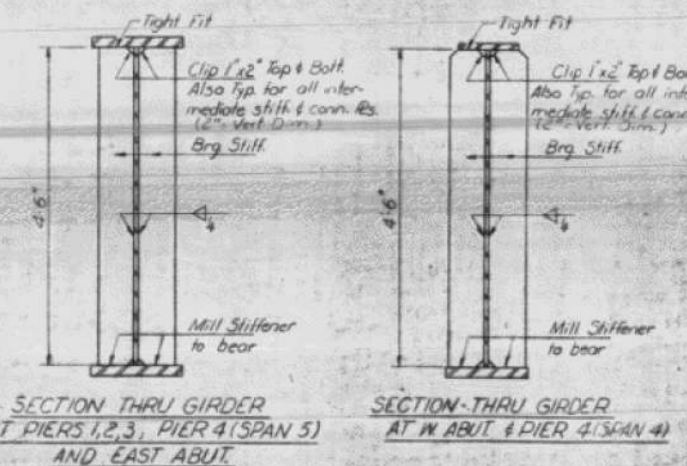
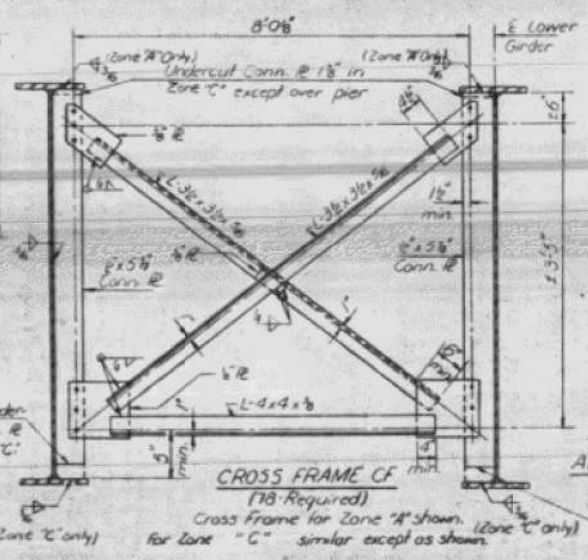
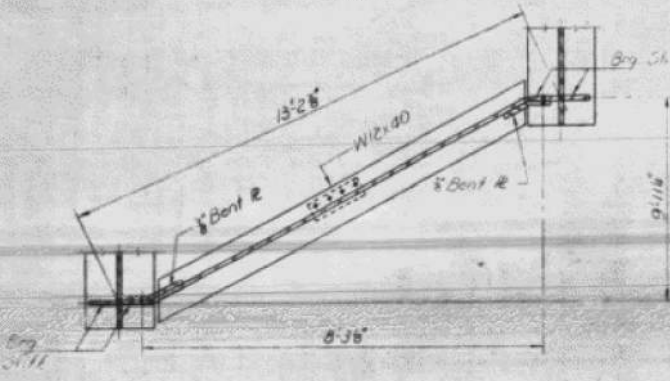
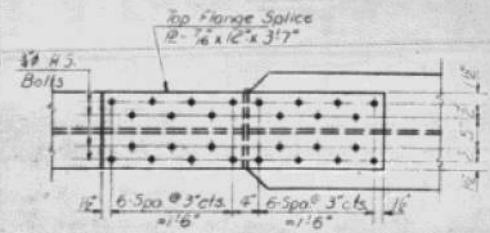
DATE	BY	CHKD	APP'D	SHEET NO.
8/1/19	J.D.	J.D.	J.D.	25
PROJECT NO. 082-0234				OF 27 SHEETS



*TOP OF WEB ELEVATIONS
(Before any deflection)

Location	E Brg. W Abut	E Splice #1	E Brg. Pier 1	E Splice #2	E Splice #3	E Brg. Pier 2	E Splice #4	E Splice #5	E Brg. Pier 3	E Splice #6	E Brg. P-4(Span 4)	E Brg. P-4(Span 5)	E Brg. E Abut
Girder 1	438.86	440.49	440.73	441.20	441.57	441.40	441.42	440.77	440.15	439.77	432.83	432.74	436.27
Girder 2	439.24	440.79	441.00	441.44	441.74	441.55	441.53	440.81	440.16	439.76	432.74	432.64	436.12
Girder 3	439.58	441.05	441.24	441.64	441.88	441.65	441.60	440.82	440.13	439.71	432.60	432.51	435.94
Girder 4	439.64	441.03	441.19	441.56	441.73	441.47	441.39	440.55	439.82	439.37	432.79	432.09	435.48
Girder 5	439.64	440.97	441.0	441.44	441.55	441.28	441.15	440.23	439.48	439.00	436.74	436.64	434.98

Note:
For Camber Diagram see sheet #2.
*For Fabrication only.



DESIGNED	Satish Desai	EXAMINED	
CHECKED	J.D.	PASSED	
DRAWN	J.D.	APPROVED	
CHECKED	J.D.		

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	221
CONTRACT NO. 76E13				

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OATES ASSOCIATES
ILLINOIS DESIGN FIRM LICENSE NO. 184.001115

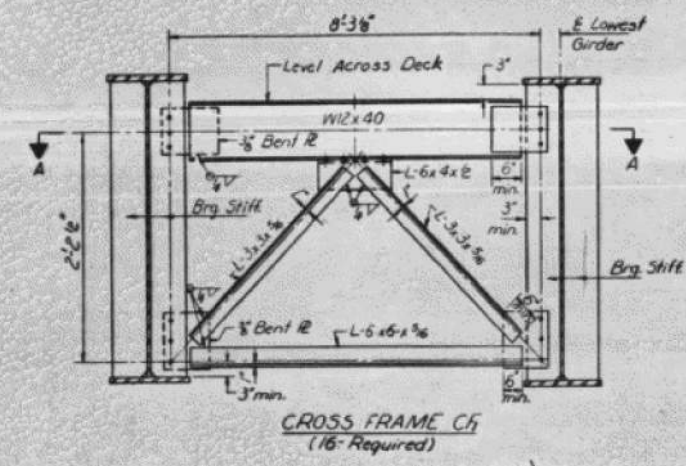
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PLOT DATE = 8/1/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

SHEET 25 OF 27 SHEETS

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

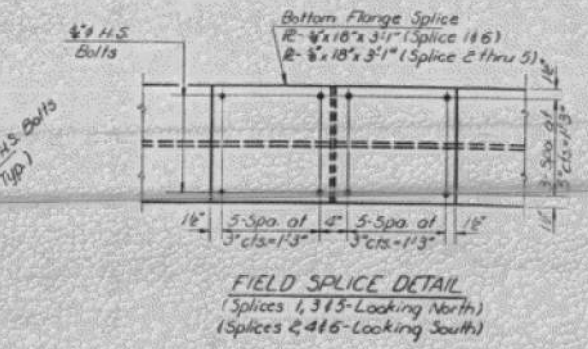
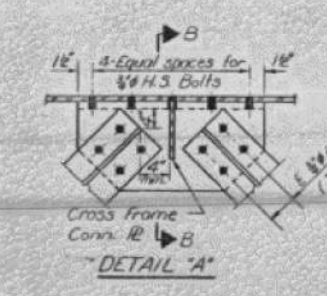
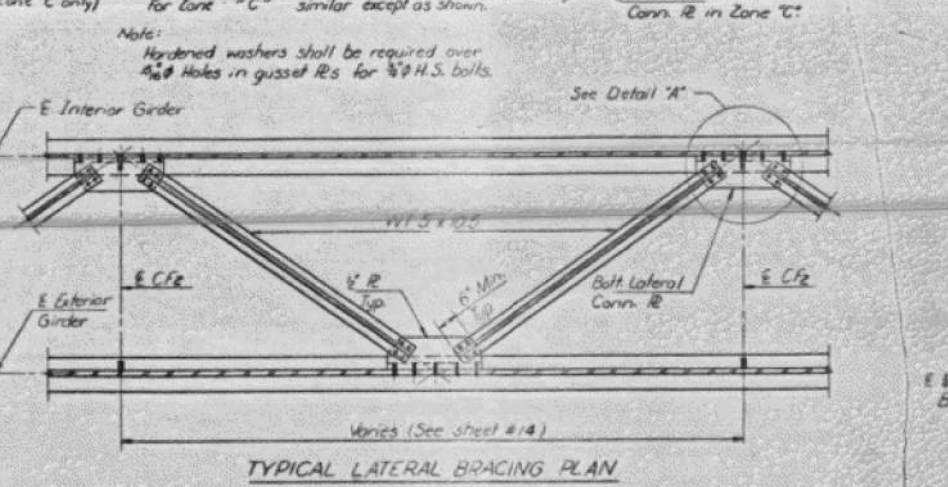
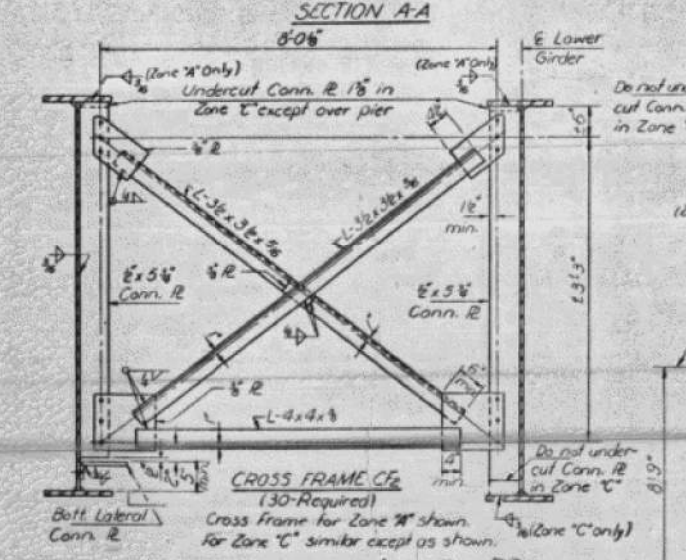
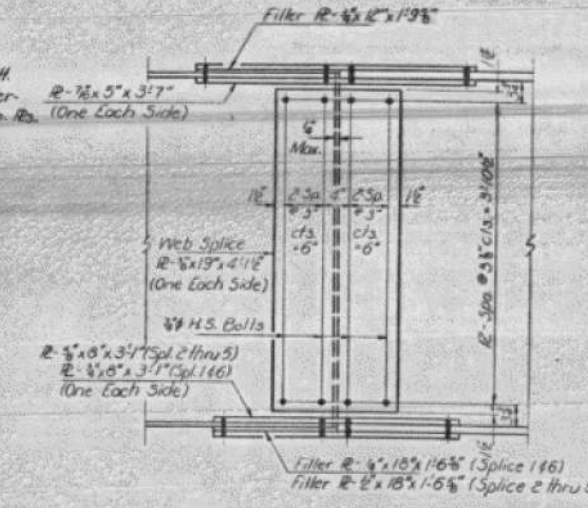
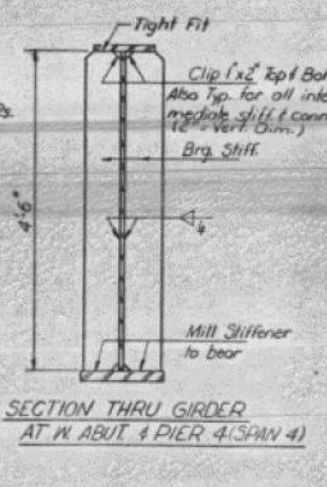
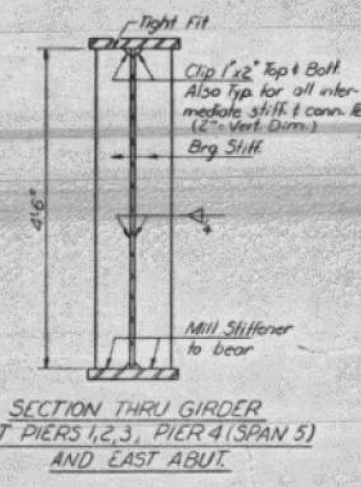
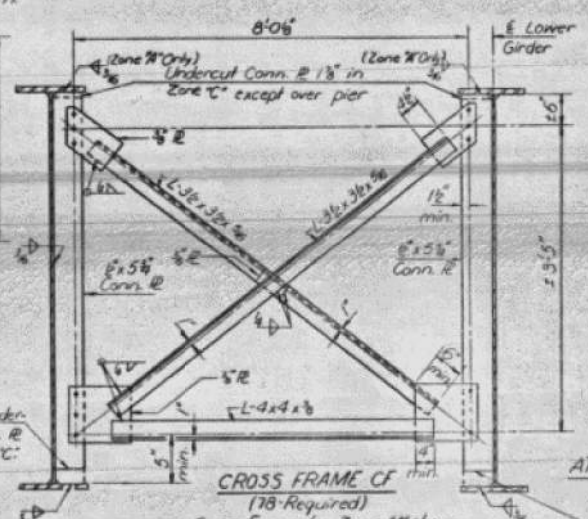
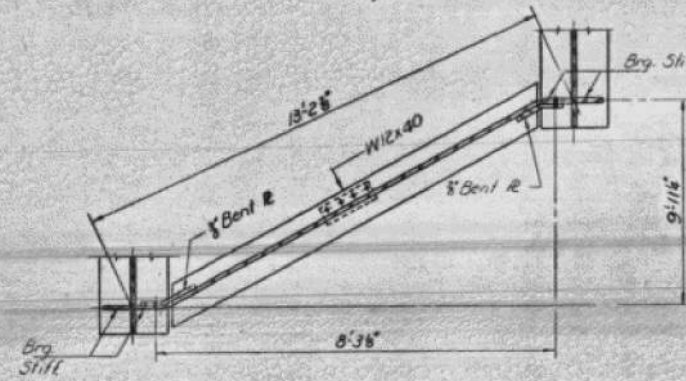
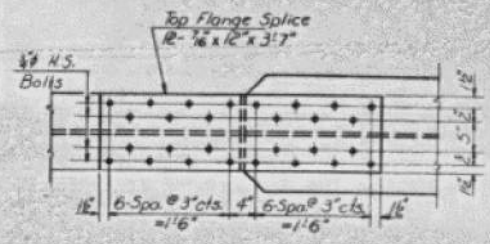
DATE	BY	CHECKED	SCALE	SHEET NO.
02-28	ST. CLAIR	256	4.5	15
170	27	28	29	30



***TOP OF WEB ELEVATIONS**
(Before any deflection)

Location	E Brg. W. Abut	E Splice #1	E Brg. Pier 1	E Splice #2	E Splice #3	E Brg. Pier 2	E Splice #4	E Splice #5	E Brg. Pier 3	E Splice #6	E Brg. P-4(Span 4)	E Brg. P-4(Span 5)	E Brg. E. Abut
Girder 1	438.85	440.49	440.01	441.20	441.57	441.49	441.42	440.77	440.23	439.77	437.83	437.74	436.27
Girder 2	439.24	440.79	441.08	441.44	441.74	441.64	441.53	440.81	440.24	439.76	437.74	437.64	436.12
Girder 3	439.58	441.05	441.32	441.64	441.88	441.74	441.60	440.82	440.21	439.71	437.60	437.51	435.94
Girder 4	439.64	441.03	441.27	441.56	441.73	441.58	441.39	440.55	439.90	439.37	437.19	437.09	435.48
Girder 5	439.64	440.97	441.16	441.44	441.55	441.35	441.15	440.23	439.56	439.00	436.74	436.64	434.98

Note: For Camber Diagram see sheet #7
* for fabrication only.



DESIGNED	Suresh Desai	EXAMINED	[Signature]
CHECKED	DAU KRUHL	PASSED	[Signature]
DRAWN	R. Doly	APPROVED	[Signature]
CHECKED	DK		

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234

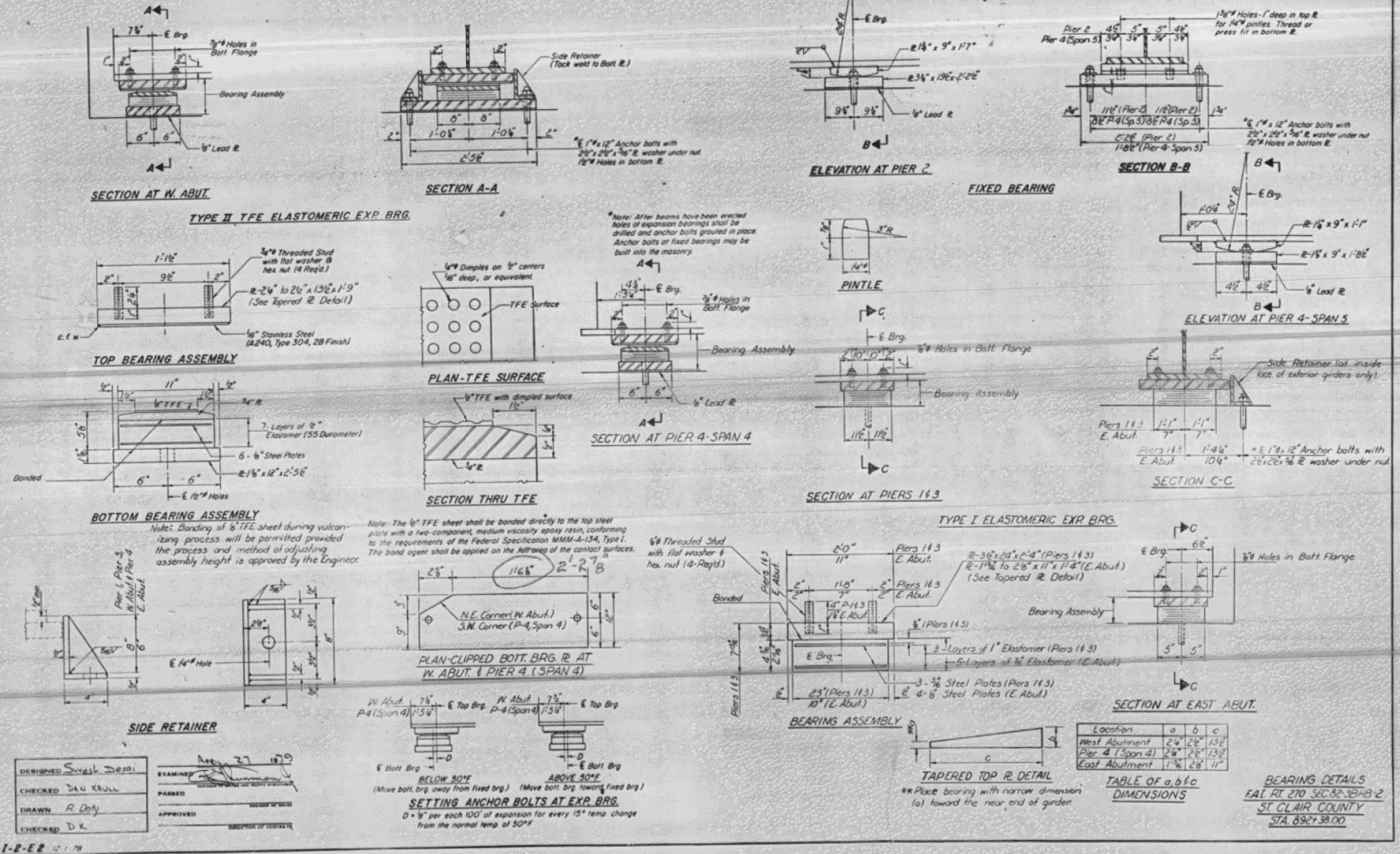
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255	82-(3,2)RS	ST. CLAIR	280	222
CONTRACT NO. 76E13				

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	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN NO.	SECTION	DATE	SCALE	SHEET NO.
082-0234	82-3,2	ST. CLAIR	B.G.	27
SHEET NO. 16				26 SHEETS



FOR INFORMATION ONLY



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PLOT DATE = 8/1/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0234

SHEET 27 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	223
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with the concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of existing concrete.

Reinforcement bars designated (E) shall be epoxy coated.

Concrete sealer shall be applied to all exposed surfaces of the abutment back wall, bearing seats, and pile cap.

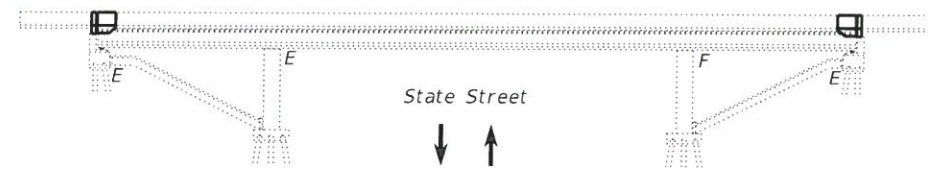
Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The Contractor shall use extreme care during concrete removal not to damage the precast, prestressed I-beams.

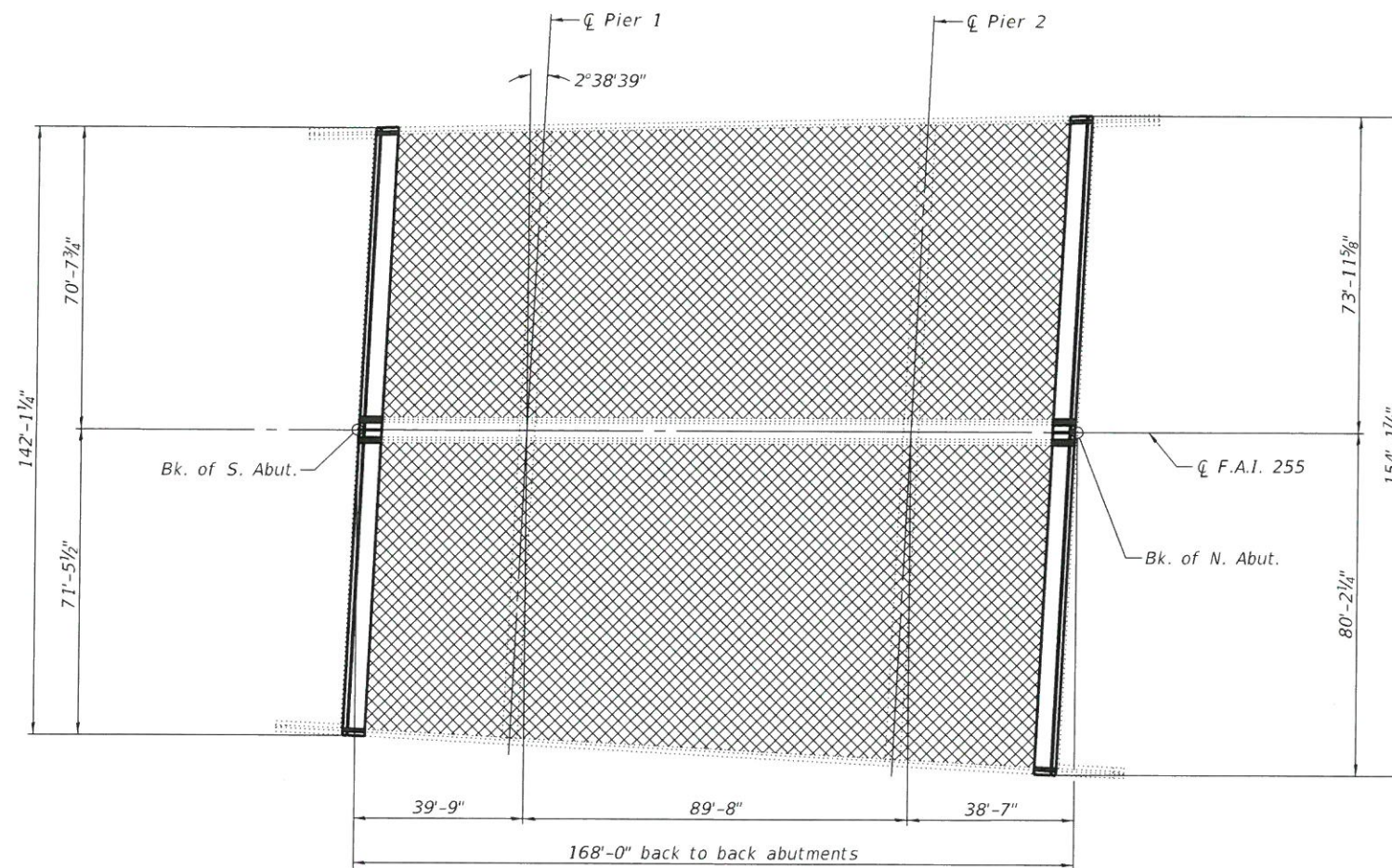
Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications, when the deck is poured at an ambient temperature other than 50°F.

The new concrete on both sides of the joints shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.



ELEVATION



PLAN

SCOPE OF WORK

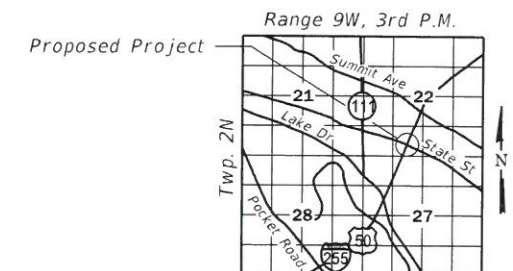
1. Replace abutment joints
2. Deck slab repair
3. Install Waterproofing Membrane System and HMA overlay
4. Structural Repair of Concrete on substructure
5. Clean and seal abutments
6. Bridge washing

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	Deck Slab Repair
3-4	Joint Removal
5-6	Joint Replacement
7-8	Joint Details
9	Preformed Joint Strip Seal
10	Abutment Concrete Repairs
11-12	Existing Bridge Plans

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N90	Ton	273
Concrete Removal	Cu. Yd.	89.0
Protective Shield	Sq. Yd.	98
Concrete Superstructure	Cu. Yd.	96.7
Protective Coat	Sq. Yd.	154
Reinforcement Bars, Epoxy Coated	Pound	17,210
Preformed Joint Strip Seal	Foot	294
Waterproofing Membrane System	Sq. Yd.	2,434
Concrete Sealer	Sq. Ft.	2,274
① Bridge Washing No. 3	Each	1
Cleaning Bridge Seats	Sq. Ft.	2,274
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	689
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	19
Deck Slab Repair (Partial)	Sq. Yd.	124
Longitudinal Joint Sealant	Foot	1,566



LOCATION SKETCH

- Notes:
- ① Quantity of 1 each includes both northbound and southbound portions of bridge.
 - ② 2" overlay consists of 1/2" Waterproofing Membrane System and 1 1/2" Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N90.

Limits of 2" overlay

DATE: 8/19/2019
 EXPIRATION: 11/30/2020

GENERAL PLAN & ELEVATION
I-255 OVER STATE STREET
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 919+64.31
STRUCTURE NO. 082-0235

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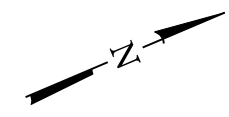
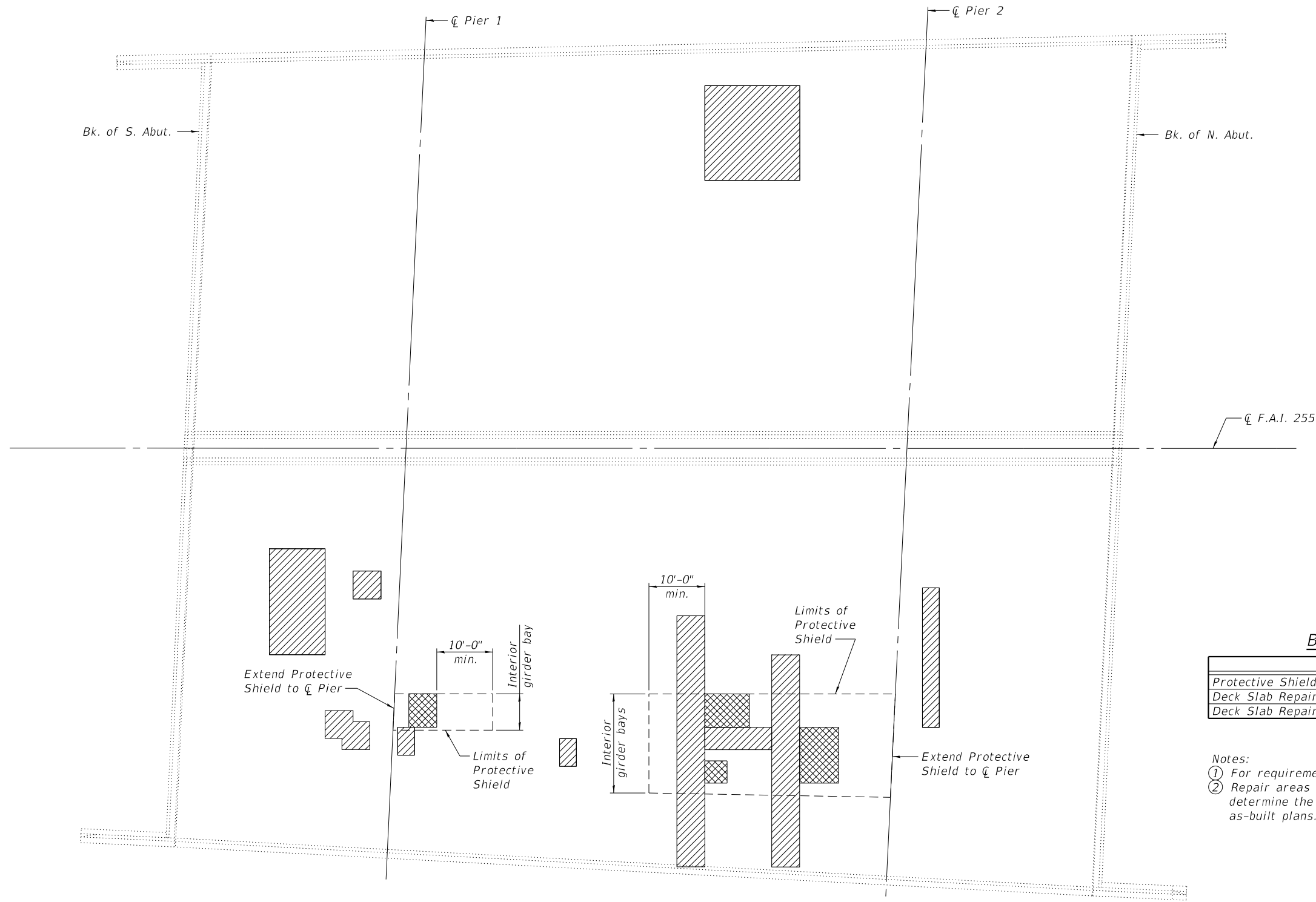
OATES ASSOCIATES
 www.oatesassociates.com
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	224
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Protective Shield	Sq. Yd.	98
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	19
Deck Slab Repair (Partial)	Sq. Yd.	124

- Notes:
- ① For requirements of Deck Slab Repair, see Special Provisions.
 - ② Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.

- Deck Slab Repair (Partial)
- Deck Slab Repair (Full Depth, Type II)

PLAN

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820235-76E13-002_Deck Slab Repair.dgn



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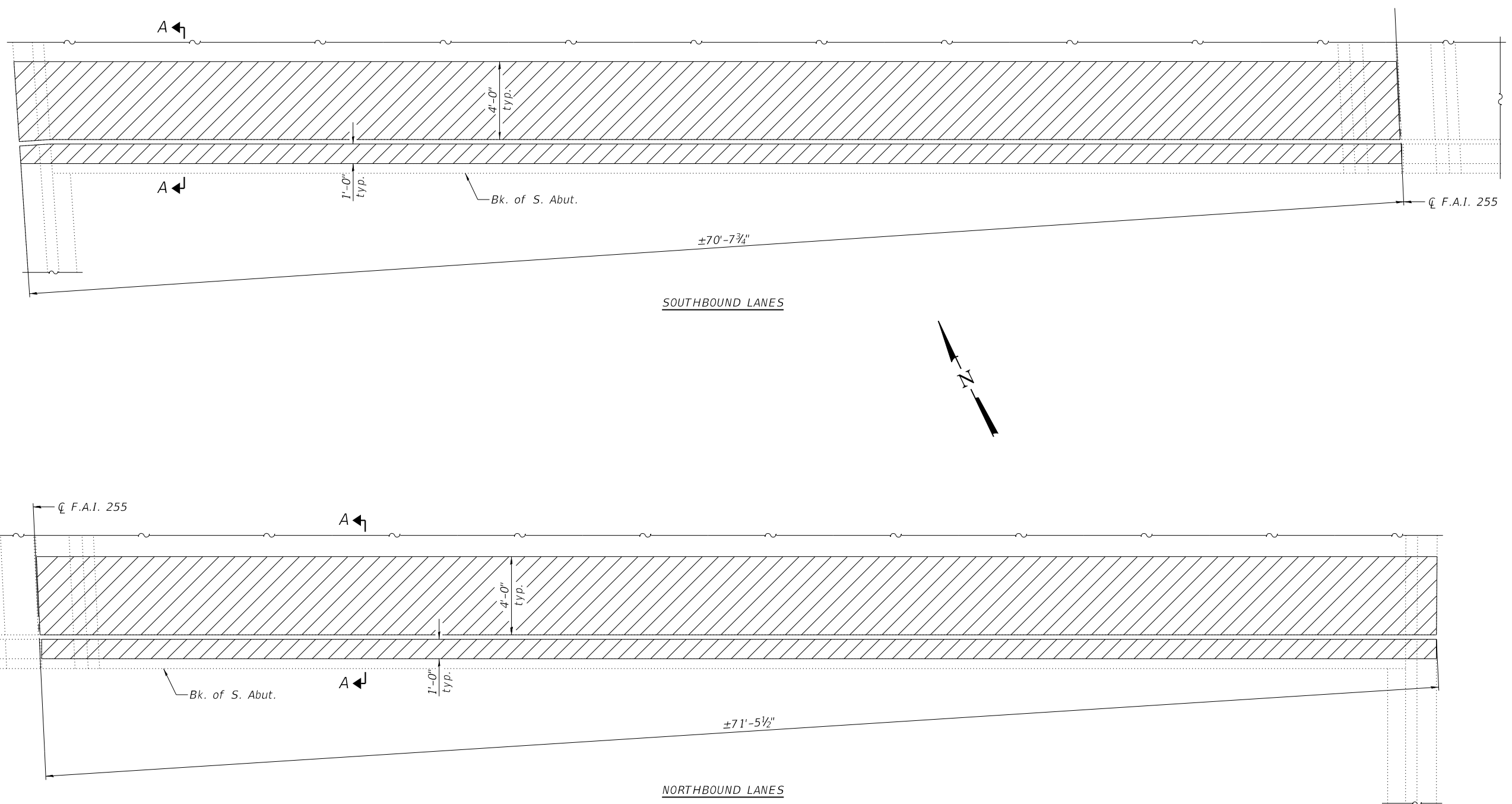
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR
STRUCTURE NO. 082-0235**

SHEET 2 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	225
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT



 Concrete Removal

- Notes:
 ① For Section A-A, see sheet 7 of 12.
 ② For Bill of Material, see sheet 8 of 12.

FILE NAME: H:\P\17025\17025.003\Bridge\Microstation\0820235-76E13-003_Joint_Removal.dgn



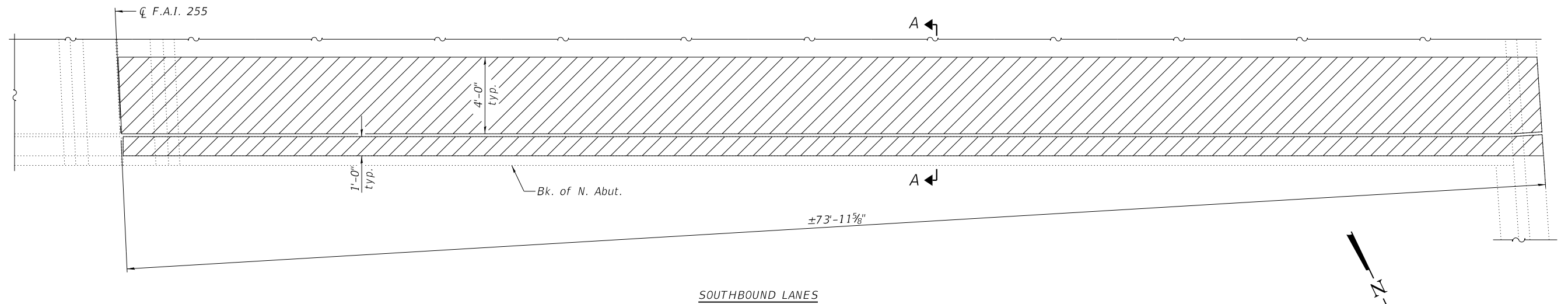
USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - JAD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REMOVAL
STRUCTURE NO. 082-0235**

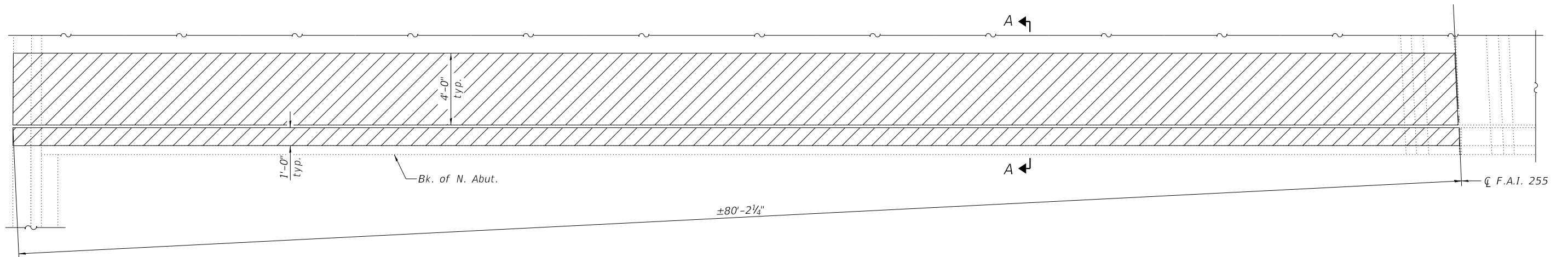
SHEET 3 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	226
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



SOUTHBOUND LANES


$\pm 73'-11\frac{5}{8}"$



NORTHBOUND LANES

$\pm 80'-2\frac{1}{4}"$

NORTH ABUTMENT

 Concrete Removal

- Notes:
 ① For Section A-A, see sheet 7 of 12.
 ② For Bill of Material, see sheet 8 of 12.

FILE NAME: H:\P\17025\17025.003\Bldg\Microstation\0820235-76E13-004_Joint_Removal.dgn



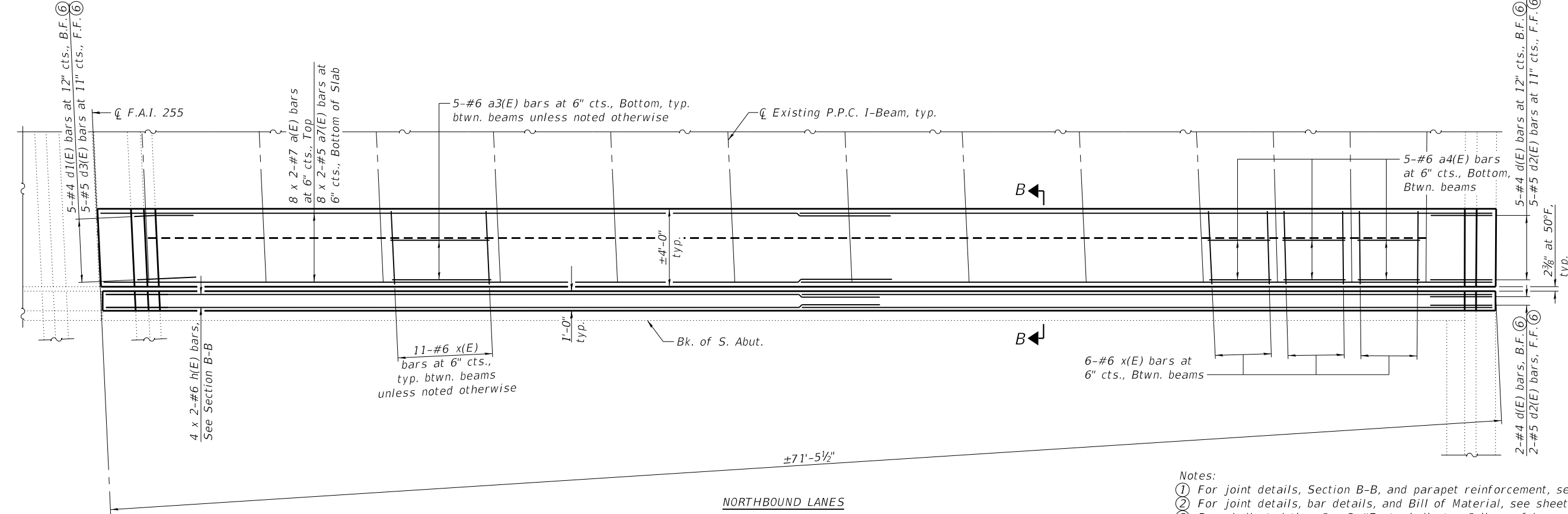
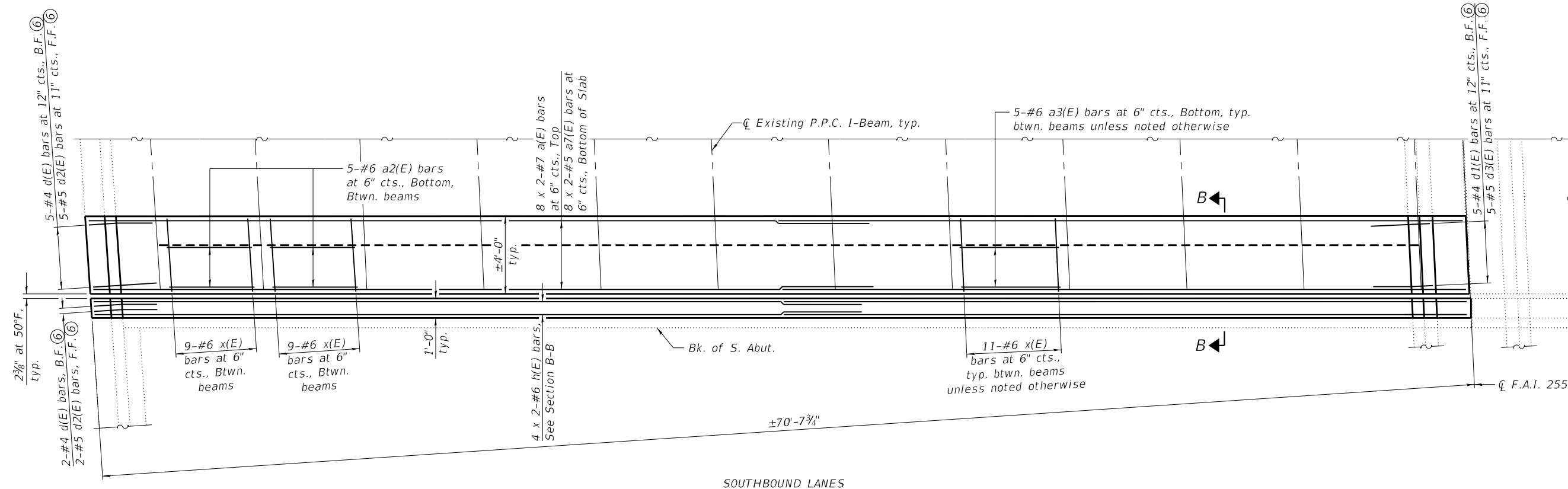
USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - JAD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REMOVAL
STRUCTURE NO. 082-0235**

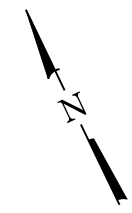
SHEET 4 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	227
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
 #5 bar = 3'-4"
 #6 bar = 4'-0"
 #7 bar = 4'-8"

- Notes:
- ① For joint details, Section B-B, and parapet reinforcement, see sheet 7 of 12.
 - ② For joint details, bar details, and Bill of Material, see sheet 8 of 12.
 - ③ Bars indicated thus 8 x 2-#7 etc. indicates 8 lines of bars with 2 lengths per line.
 - ④ Existing reinforcement extending into the removal area to be reused shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - ⑤ B.F. denotes Back Face.
F.F. denotes Front Face.
 - ⑥ Bend bottom leg of d bars as required to fit at skewed ends.



FILE NAME: H:\P\17025\17025\03\Bldg\Microstation\0820235-76E13-005_Joint_Replacement.dgn



USER NAME =	DESIGNED - MAM	REVISED -
PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

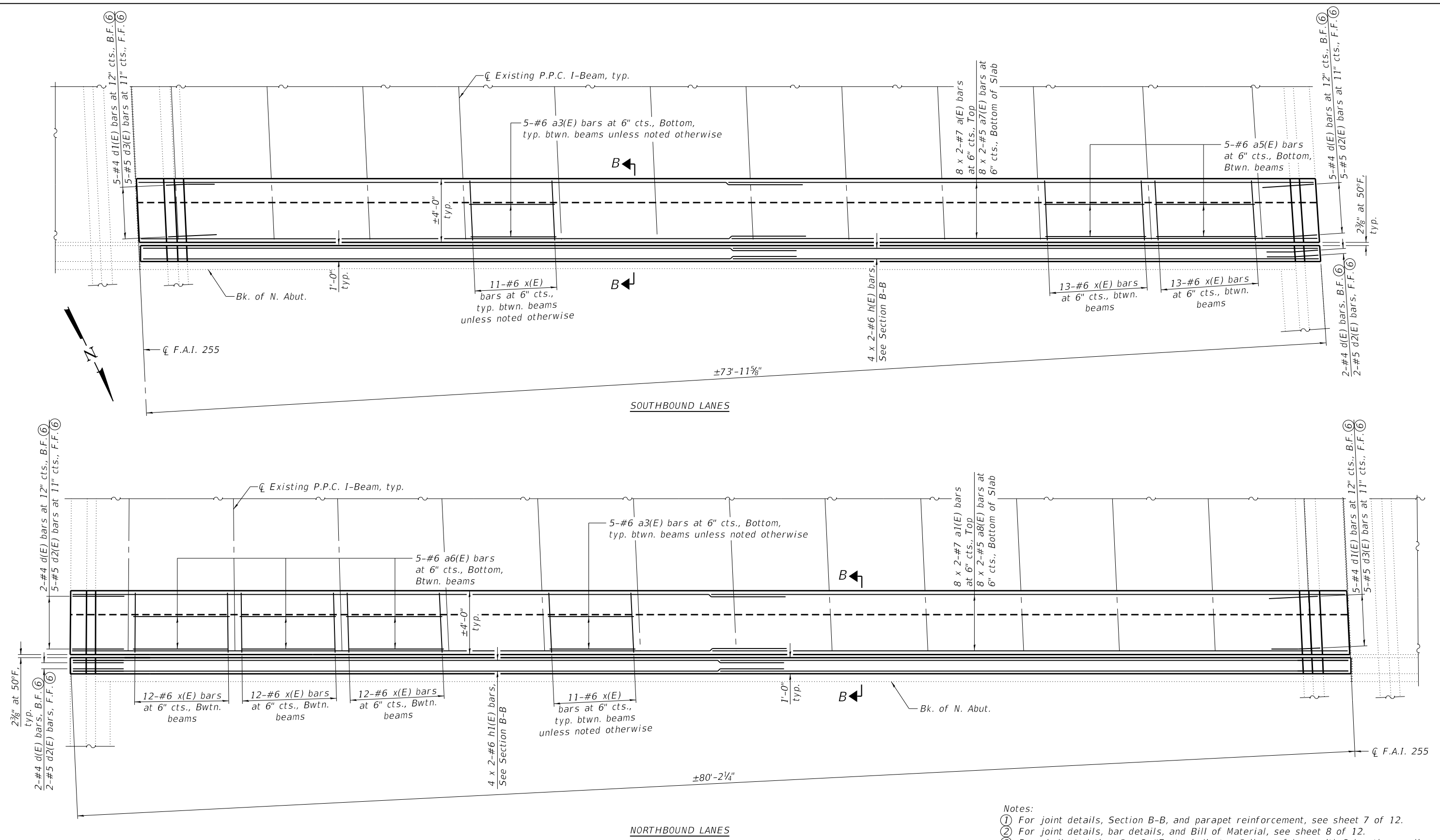
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REPLACEMENT
STRUCTURE NO. 082-0235**

F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 228
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

SHEET 5 OF 12 SHEETS

FILE NAME: H:\P\17025\17025.003\Bldg\Microstation\0820235-76E13-006_Joint_Replacement.dgn



MINIMUM BAR LAP
 #5 bar = 3'-4"
 #6 bar = 4'-0"
 #7 bar = 4'-8"

- Notes:
- For joint details, Section B-B, and parapet reinforcement, see sheet 7 of 12.
 - For joint details, bar details, and Bill of Material, see sheet 8 of 12.
 - Bars indicated thus 8 x 2-#7 etc. indicates 8 lines of bars with 2 lengths per line.
 - Existing reinforcement extending into the removal area to be reused shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
 - B.F. denotes Back Face.
F.F. denotes Front Face.
 - Bend bottom leg of d bars as required to fit at skewed ends.

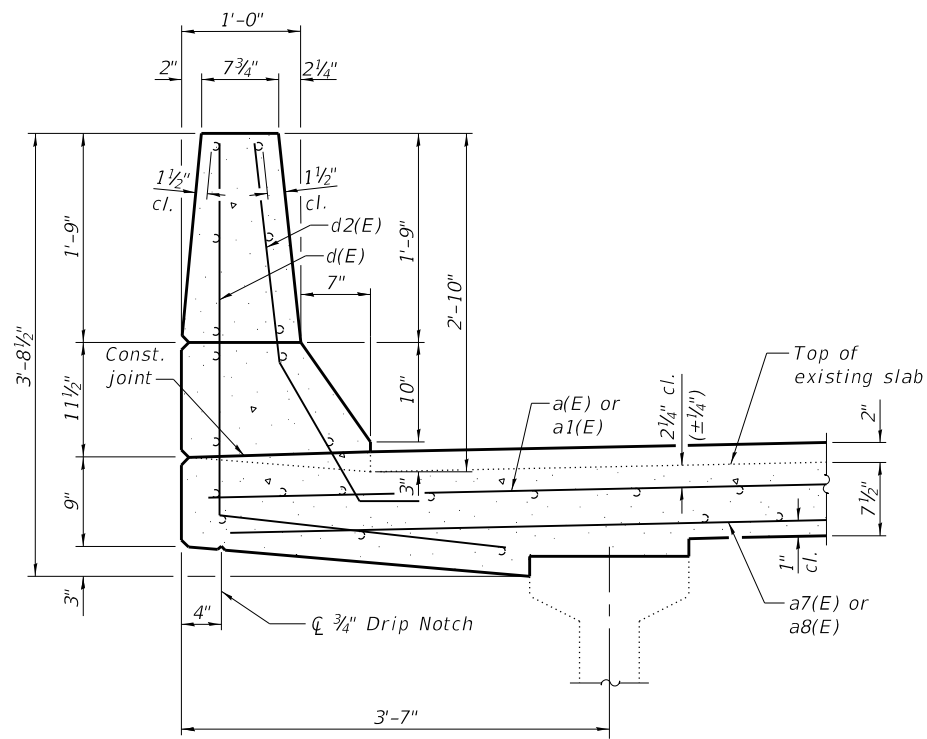


USER NAME =	DESIGNED - MAM	REVISED -
PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

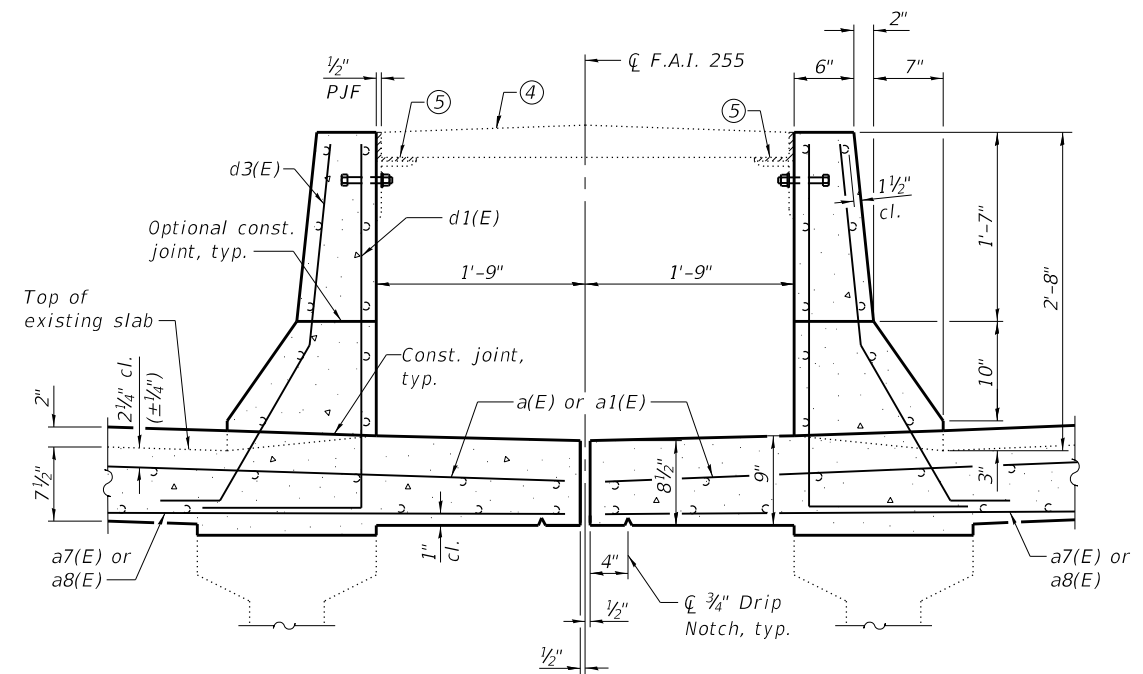
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT REPLACEMENT
STRUCTURE NO. 082-0235**

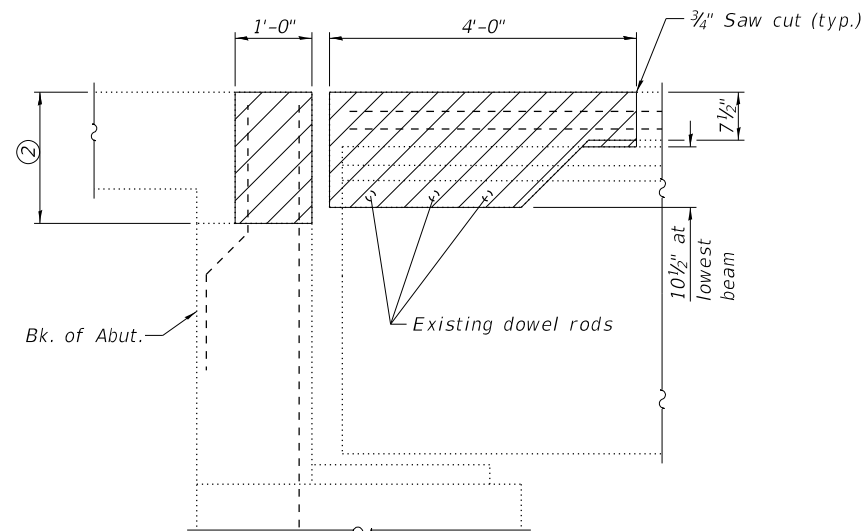
F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 229
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	



SECTION THRU PARAPET ①

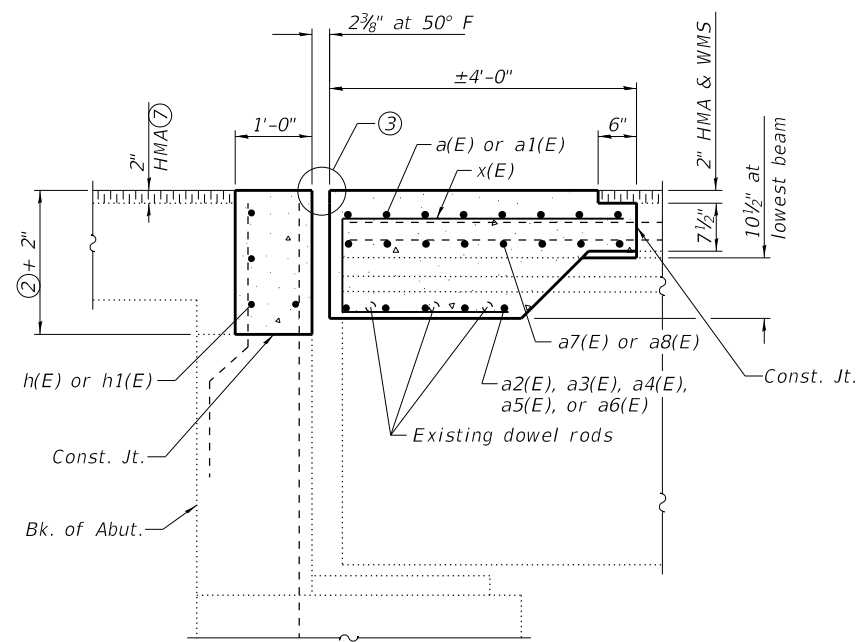


SECTION THRU MEDIAN ①



SECTION A-A ①
(Dim. at Rt. L's)

Concrete Removal



SECTION B-B ①
(Dim. at Rt. L's)

Notes:

- ① Existing reinforcement bars and dowel rods shown are to be cleaned, straightened, and incorporated into new construction.
- ② Dimension varies from 1'-2" to 2'-0 3/4".
- ③ For expansion joint details, see sheet 9 of 12.
- ④ Existing precast concrete plank to be removed, stored, and reinstalled to the satisfaction of the Engineer.
- ⑤ Existing angles anchored to median parapets to remain. Embed new 5/8" Ø High Strength bolts 4" into parapet, existing longitudinal spacing approximately 18". Fasten angle to bolt using hex nut and 1 1/2" Ø hardened R washer. Include 1/4" x 4" fabric pad between angle and precast concrete plank. Provide 1/2" P/JF between parapet and precast concrete plank as shown. Cost included with Concrete Superstructure.
- ⑥ For additional joint details, bar details, and Bill of material, see sheet 8 of 12.
- ⑦ Quantity included in Roadway Plans.

FILE NAME: H:\P\17025\17025.003\Bldge\Microstation\0820235-76E13-007_Joint_Details.dgn



USER NAME =	DESIGNED - MAM	REVISED -
PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

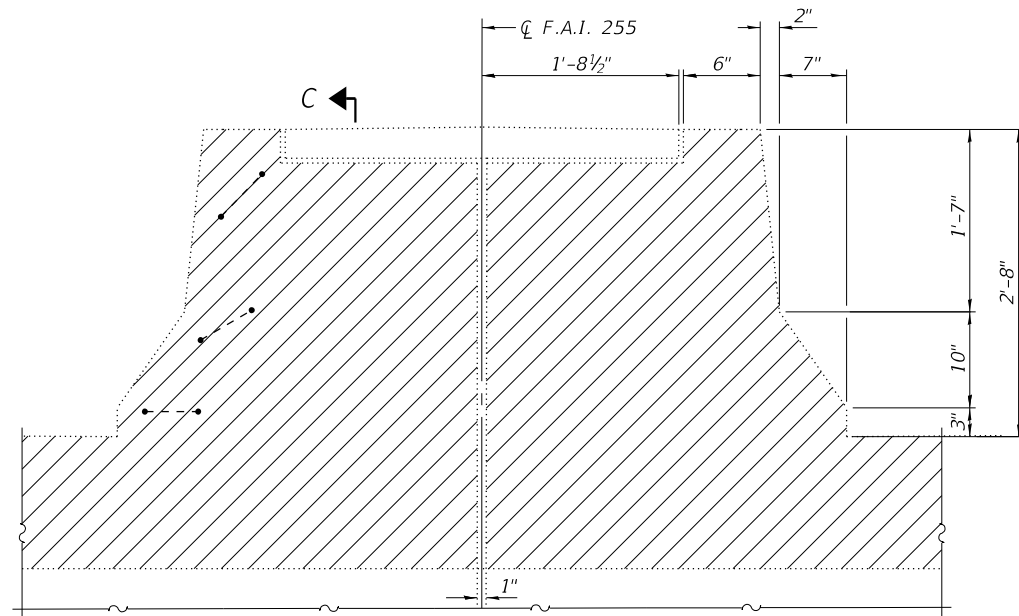
JOINT DETAILS
STRUCTURE NO. 082-0235

SHEET 7 OF 12 SHEETS

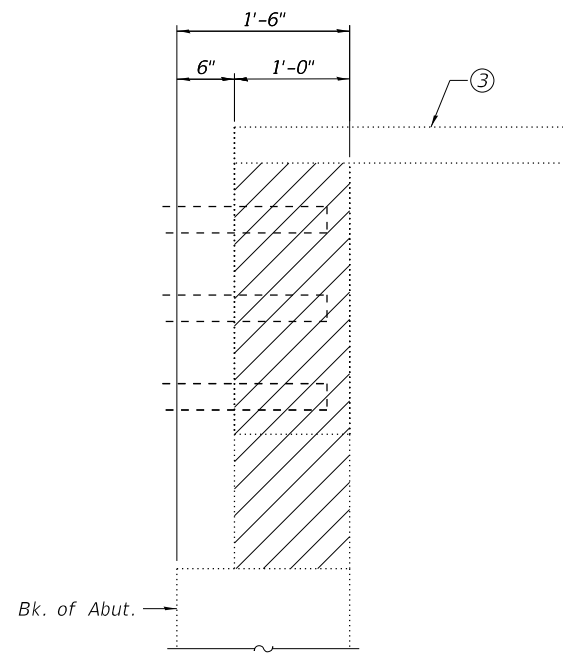
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	230
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

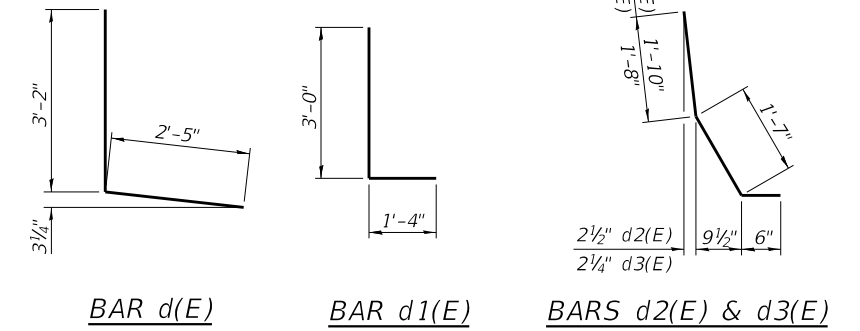
 Concrete Removal



VIEW AT ABUT - REMOVAL ①



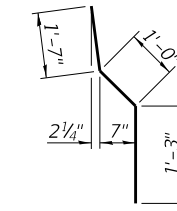
SECTION C-C ①



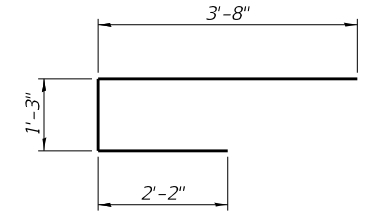
BAR d(E)

BAR d1(E)

BARS d2(E) & d3(E)



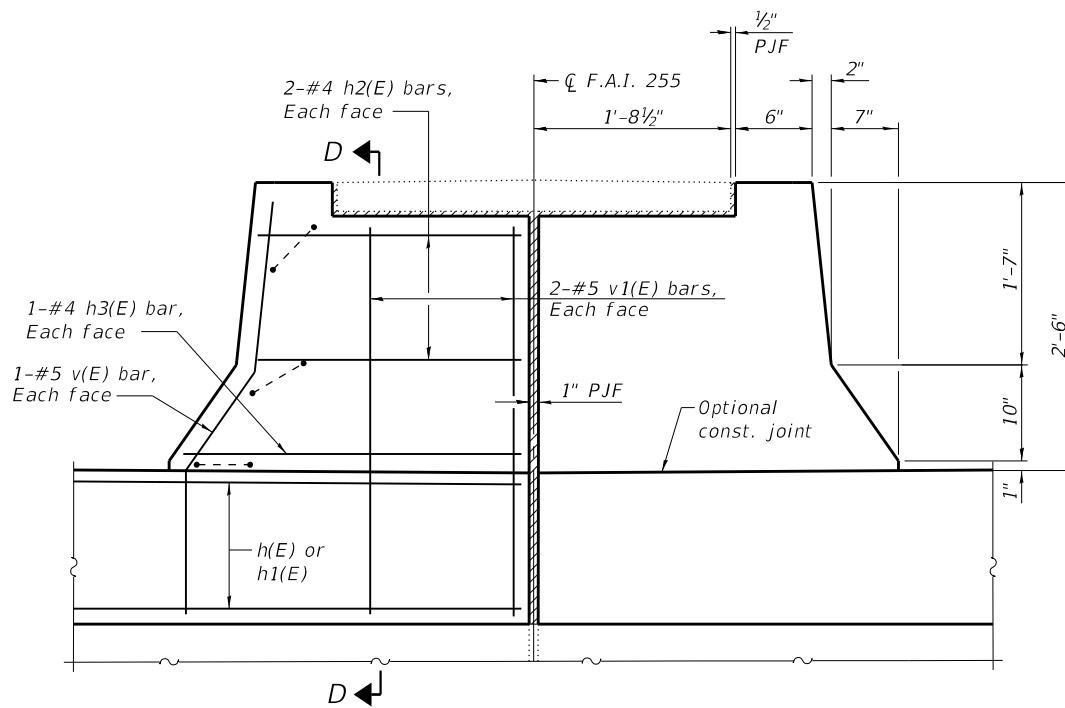
BAR v(E)



BAR x(E)

BILL OF MATERIAL
(Two Structures)

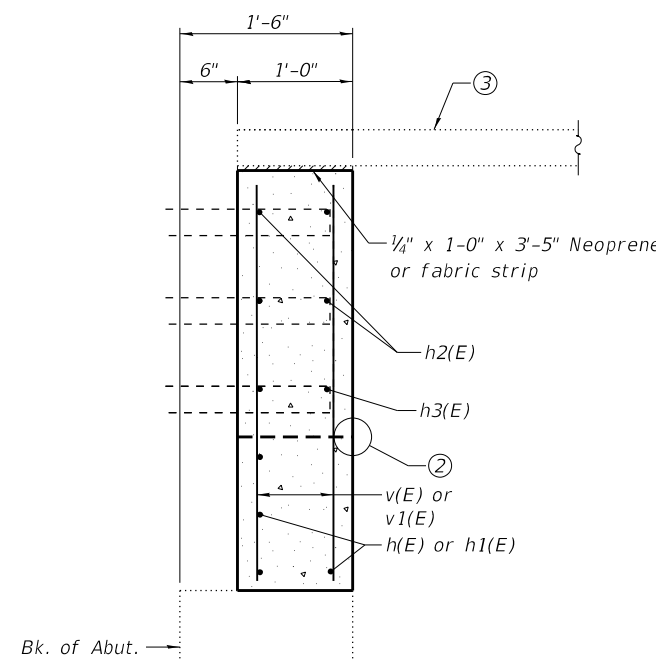
Bar	No.	Size	Length	Shape
a(E)	48	#7	39'-2"	—
a1(E)	16	#7	42'-4"	—
a2(E)	10	#6	4'-4"	—
a3(E)	180	#6	5'-1"	—
a4(E)	15	#6	2'-10"	—
a5(E)	10	#6	6'-0"	—
a6(E)	15	#6	5'-9"	—
a7(E)	48	#5	38'-6"	—
a8(E)	16	#5	41'-8"	—
d(E)	28	#4	5'-7"	L
d1(E)	20	#4	4'-4"	L
d2(E)	28	#5	3'-11"	┘
d3(E)	20	#5	3'-9"	┘
h(E)	24	#6	38'-10"	—
h1(E)	8	#6	42'-0"	—
h2(E)	16	#4	2'-0"	—
h3(E)	8	#4	2'-6"	—
v(E)	8	#5	3'-10"	┘
v1(E)	16	#5	3'-3"	—
x(E)	494	#6	7'-1"	C
Concrete Removal			Cu. Yd.	89.0
Concrete Superstructure			Cu. Yd.	96.7
Reinforcement Bars, Epoxy Coated			Pound	17,210



SHOWING REINFORCEMENT

SHOWING DIMENSIONS

VIEW AT ABUT. ①



SECTION D-D ①

Notes:

- Existing reinforcement bars shown are to be cleaned, straightened, and incorporated into new construction.
- For expansion joint details, see sheet 9 of 12.
- Existing precast concrete plank to be removed, stored and reinstalled to the satisfaction of the Engineer.
- For additional joint details, see sheet 7 of 12.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820235-76E13-008_Joint_Details.dgn



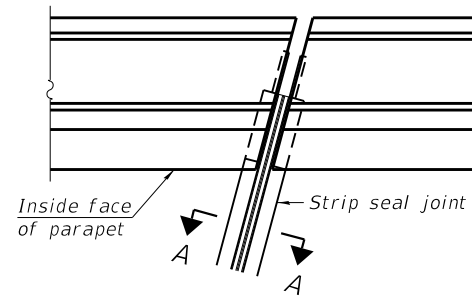
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PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS
STRUCTURE NO. 082-0235

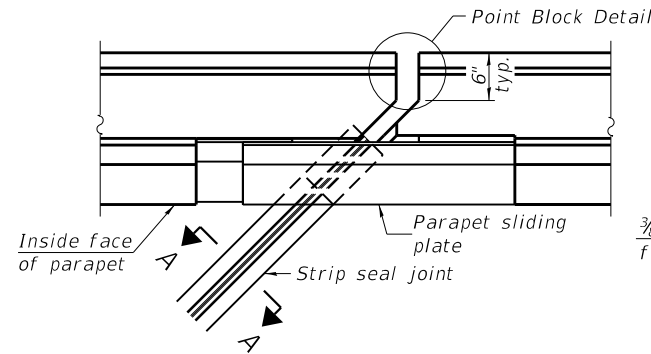
SHEET 8 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	231
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

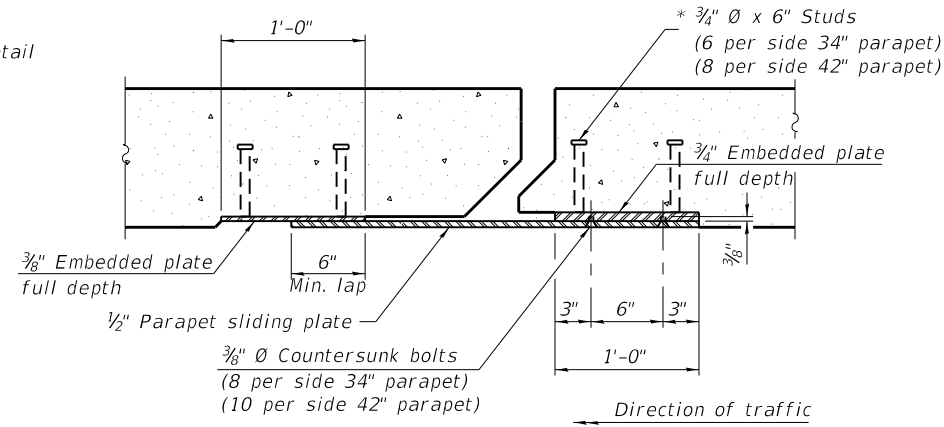


FOR SKEWS $\leq 30^\circ$

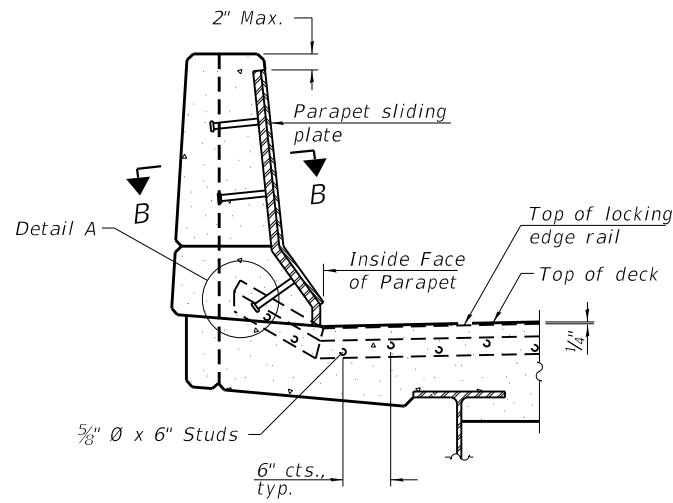
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

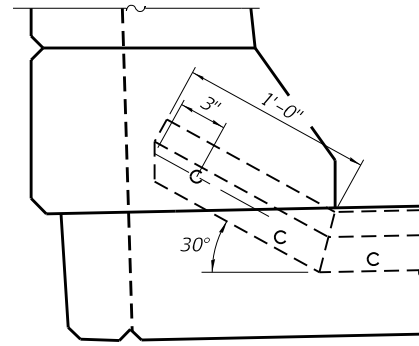


SECTION B-B

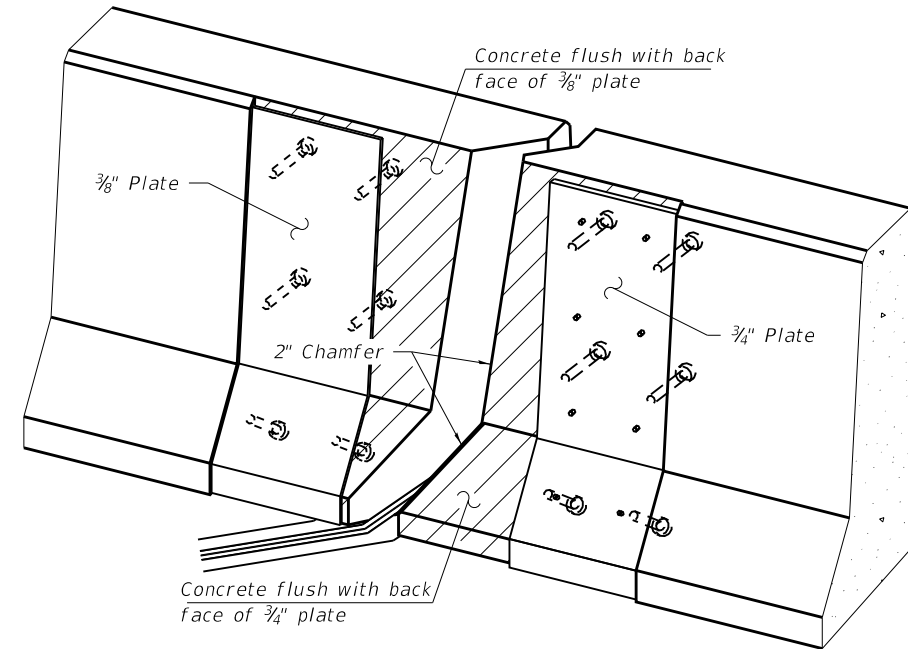


ELEVATION AT PARAPET

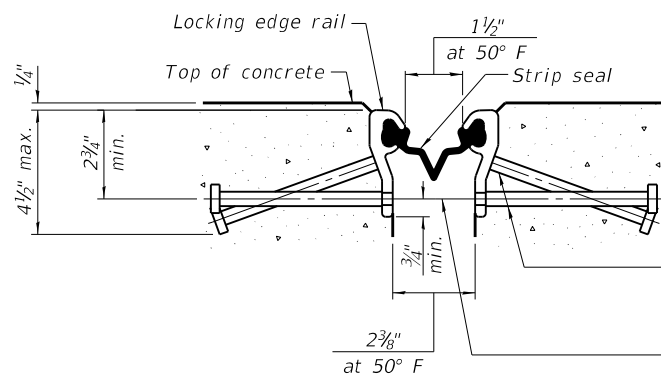
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



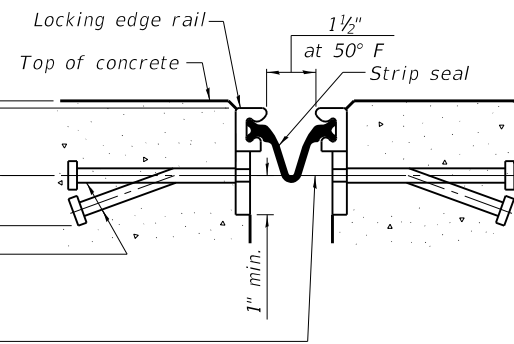
SHOWING ROLLED RAIL JOINT

* $5/8"$ ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

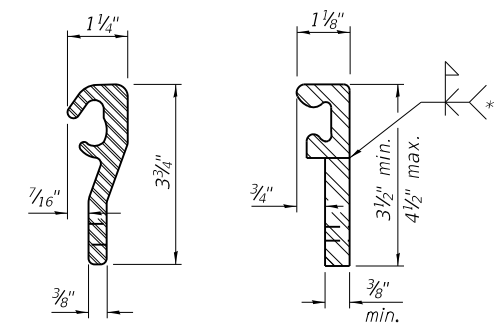
$3/8"$ ϕ threaded rods in $7/16"$ ϕ holes at $\pm 4"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

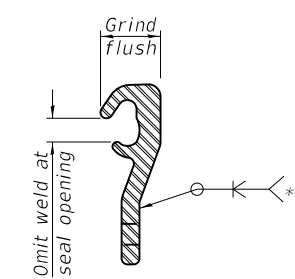


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	294

EJ-SS

8-11-17



USER NAME =	DESIGNED - MAM	REVISED -
PLOT SCALE =	CHECKED - JAD	REVISED -
PLOT DATE = 8/1/2019	DRAWN - MAM	REVISED -
	CHECKED - JAD	REVISED -

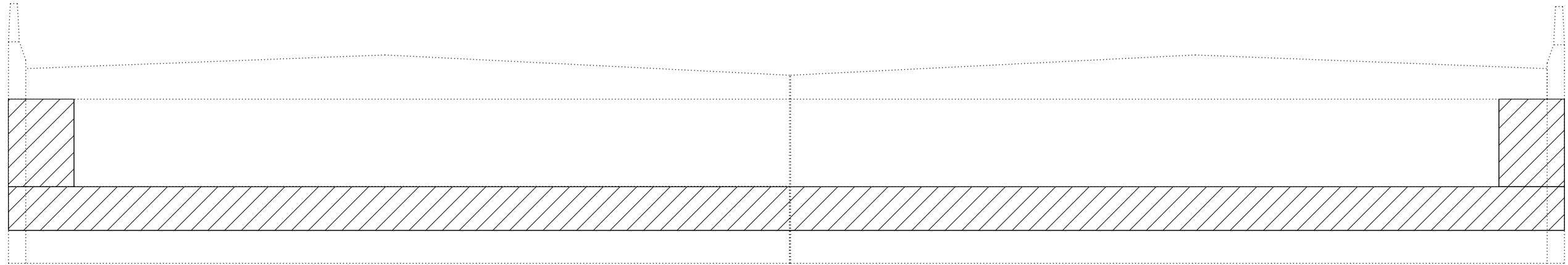
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 082-0235

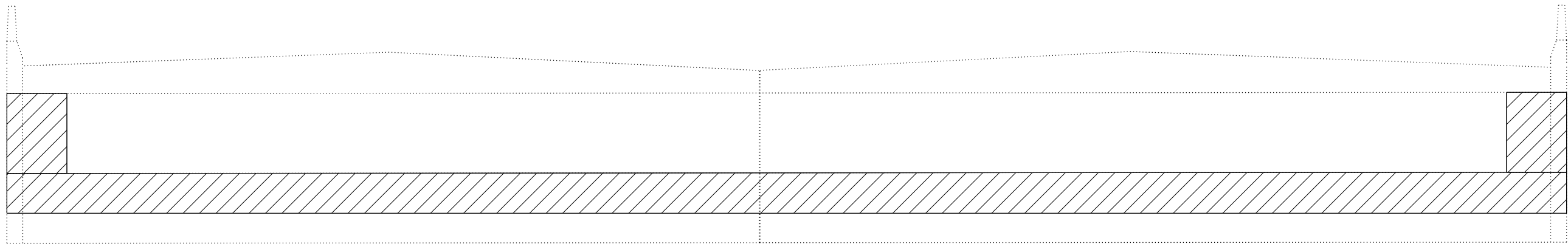
SHEET 9 OF 12 SHEETS

F.A.I. RTE. 255	SECTION 82-(3,2)RS	COUNTY ST. CLAIR	TOTAL SHEETS 280	SHEET NO. 232
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

FILE NAME: H:\P\17025\17025\003\Bldge\Microstation\0820235-76E13-009_Prefomed Joint Strip Seal.dgn




SOUTH ABUTMENT



NORTH ABUTMENT

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	689

 Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)

Notes:
 ① Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.

FILE NAME: H:\P\17025\17025.003\Bidge\Microstation\0820235-76E13-010_Abutment_Concrete_Repairs.dgn



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 8/1/2019	CHECKED - JAD	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ABUTMENT CONCRETE REPAIRS
 STRUCTURE NO. 082-0235**

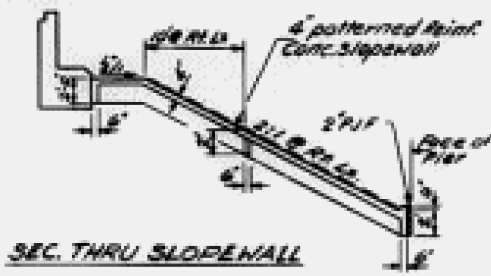
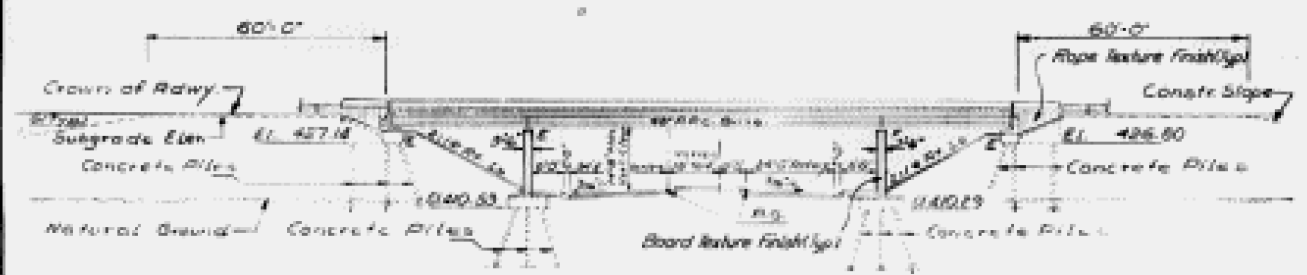
SHEET 10 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	233
CONTRACT NO. 76E13			ILLINOIS FED. AID PROJECT	

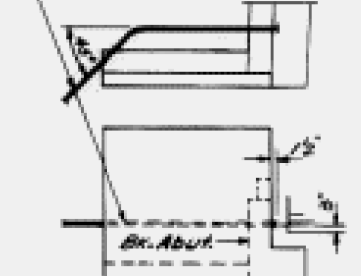
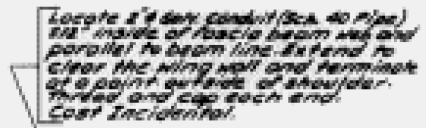
EL. 78 ELEV. 414.79 STA. 905+10 SPIKE 2' ABOVE
Grade 5 Face of Paving and Light Pole 1240'
W. of E.A.I.-270.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD.	APP.	SHEET NO.
11/13/13	ST. CLAIR	HL	EA	19



GENERAL NOTES
See Proposal for Boring Data.
All structural steel shall be shop primed with two coats of basic lead silico chromate paint.
Sloped wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 lbs. per 100 sq. ft.
The contractor shall drive 5 concrete test piles in permanent location, one each of: (1) 3" dia. 10' long, (2) Pier 1 H. Bd. lanes, (3) Pier 2 S. Bd. lanes, and (4) Abut. N. Bd. lanes as directed by the Engineer before ordering the remainder of piles.
Concrete piles of abutments shall be driven in holes prepared through the embankment in accordance with Article 519.08(c) of the Standard Specifications.
The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Standard Concrete.
South Abut. cylindrical Metal Shell Piles shall be coated with 100 mil (min.) of asphalt cement or 50 or 100 mil (min.) of liquid asphalt above Div. 503.00 of Road and and Div. 505.50 of Cast-in-Place Special Provisions.
Reinforcement Bars shall conform to the requirements of AASHTO M31 or M53 Grade 60.



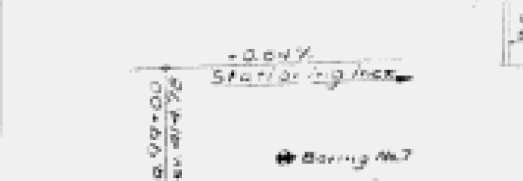
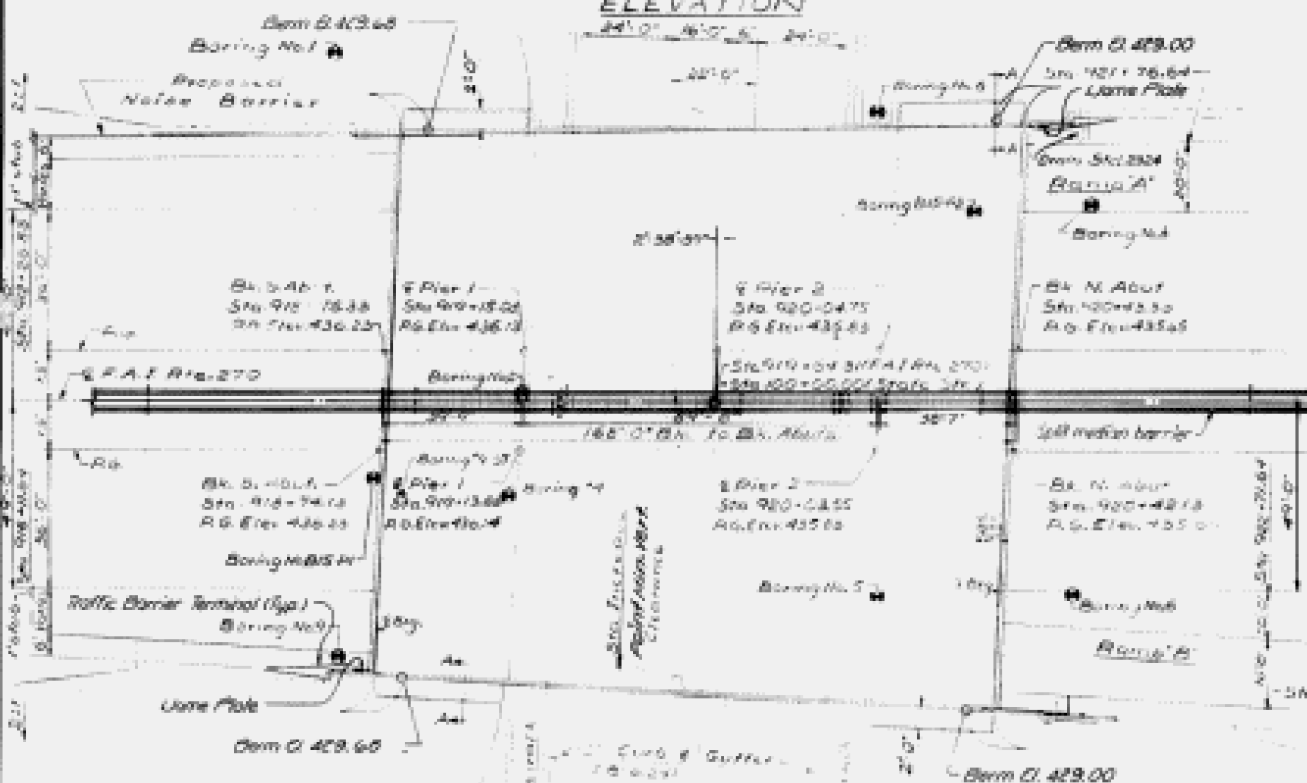
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Protective Coat	Sq. Yds	1880		1880
Structure Excavation	Cu. Yds		600	600
Class X Concrete	Cu. Yds	767.4	356.7	1124.1
M.P.E. 1-Beams (28")	Lin. Ft.	2088		2088
Structural Steel	Lbs.	16280		16280
Reinforcement Bars	Lbs.	67500	88050	155550
Reinforcement Bars - Epoxy coated	Lbs.	10960		10960
Concrete Piles	Lin. Ft.		1004	1004
Test Piles (Concrete)	Each		5	5
Name Plates	Each		1	1
Sloped Wall (6")	Sq. Yds		150	150
Reinforced Joint Sealer (2")	Lin. Ft.	148		148
Reinforced Joint Sealer (4")	Lin. Ft.	76		76
Pre-cast Conc. Panels	Sq. Ft.	270		270

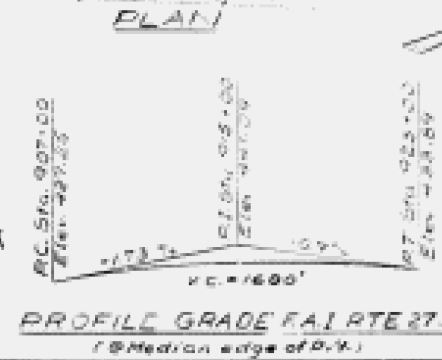
ELECTRICAL CONDUIT DETAIL
(Type Co. Ring - 4 Required)

**STATION 919+64.31
BUILT 197 BY
STATE OF ILLINOIS
E.A.I. RTE 270 SEC. 82-SMB-1
K.A. PROJ. I-270-1(62)
LOADING HS 20
STR. NO. 082-223**

NAME PLATE
See 310 3173
K.A. Struct. No. to be supplied by the District



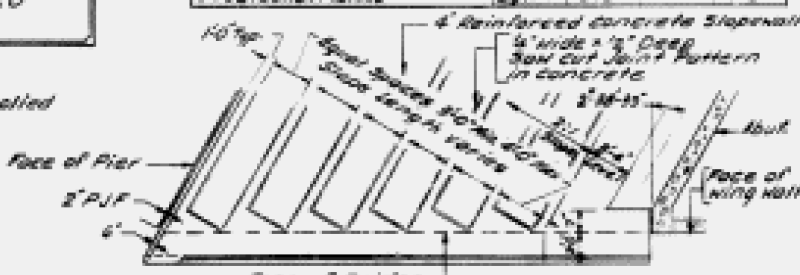
DESIGNED	Checked (S.H.)	EXAMINED	Checked (S.H.)
CHECKED	Y.H.	DRAWN	Y.H.
DRAWN	Y.H.	APPROVED	Y.H.
CHECKED	Y.H.		



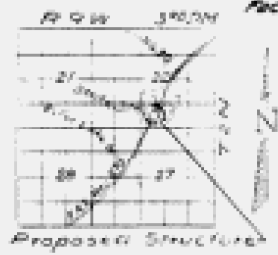
DESIGN STRESSES
f_c = 6,000 psi
f_{cs} = 5,000 psi
f_s = 270,000 psi (F_y 1 Str. steel)
f_s = 183,000 psi (F_y 1 Str. mesh)
FIELD UNITS
R = 3,500 psi
f_y = 60,000 psi (Reinforcement)
LOADING HS 20 44 AND ALT
Allow 25# / sq. ft. for future wearing surface.
Design Specifications: 1977 AASHTO & 1978 Interim.
** Epoxy coated reinforcement bars shall be used in the top layer of the slab.



SECTION A-A



SLOPEWALL PATTERN



LOCATION SKETCH

GENERAL PLAN & ELEVATION
PROJECT: I-270 7/62) 88
F.A.I. RTE. 270 OVER STATE STR
F.A.I. RTE. 270 SEC. 82-SMB-1
ST. CLAIR CO.
STA. 919+64.31 (F.A.I. RTE. 270)
STA. 100+00.00 (STATE STR)

FOR INFORMATION ONLY

FILE NAME: H:\P\17025\17025.003\Bridges\Microstation\0820235-76E13-011_Existing Bridge Plans.dgn



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 8/1/2019	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

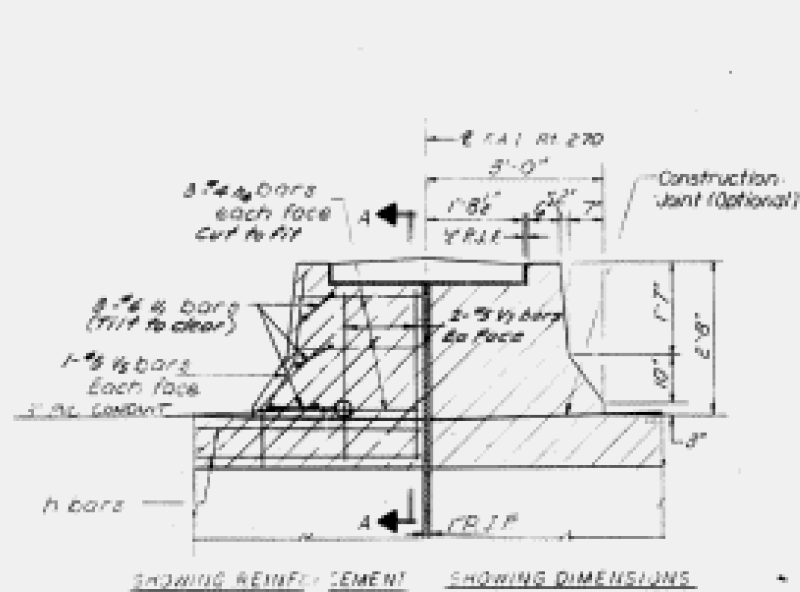
EXISTING BRIDGE PLANS
STRUCTURE NO. 082-2235

SHEET 11 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

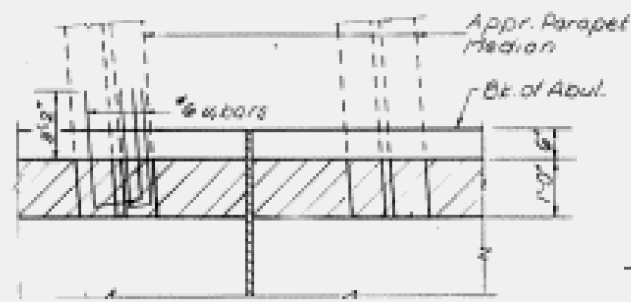
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	82-318-1	SECTION	82-318-1	SHEET NO.	20
DATE	11-27-19	ST. CLAIR	62	63	19 SHEETS

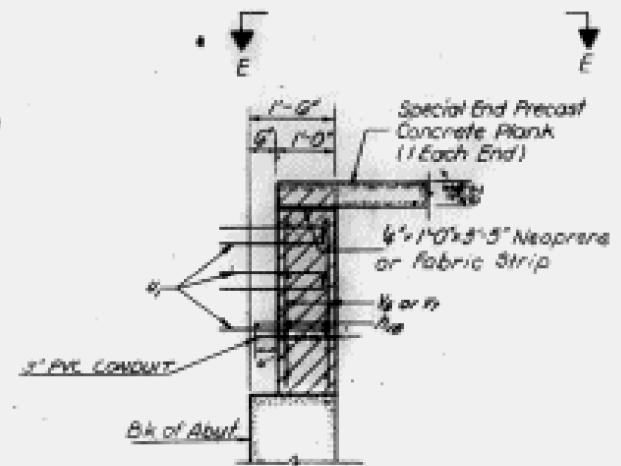


VIEW AT ABUTMENT
at RL 15

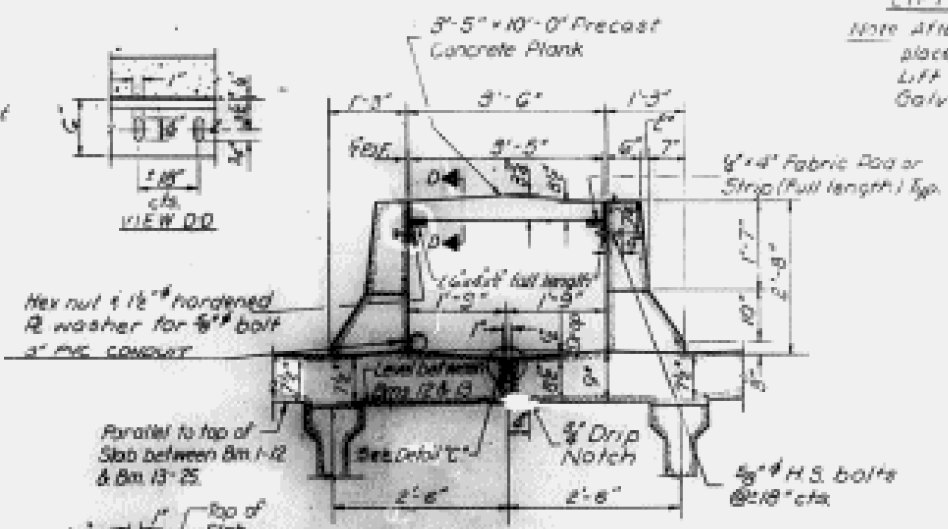
Note: Reinforcement Bars in hatched area are balled with abutments. See Det. #24 #28



PLAN VIEW



SECTION A-A

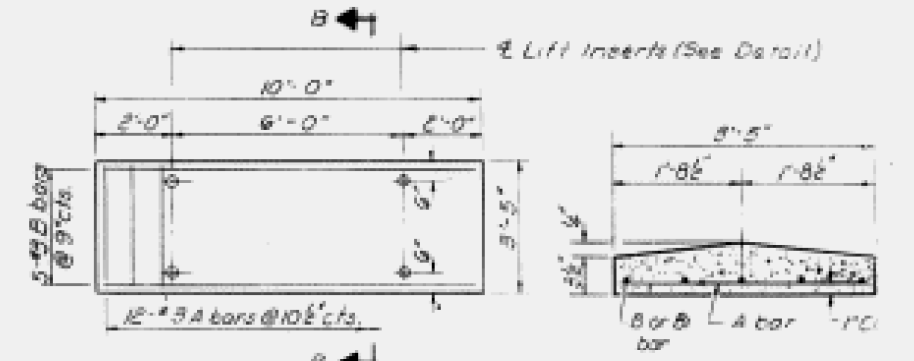


SECTION THRU MEDIAN
at P.L.S.



1 1/2\"/>

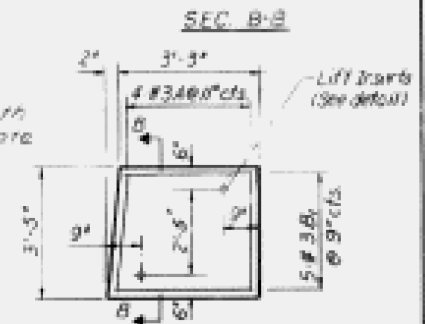
PLANK
DESIGN STRESSES
F_b = 4,500 p.s.i.
F_y = 60,000 p.s.i.



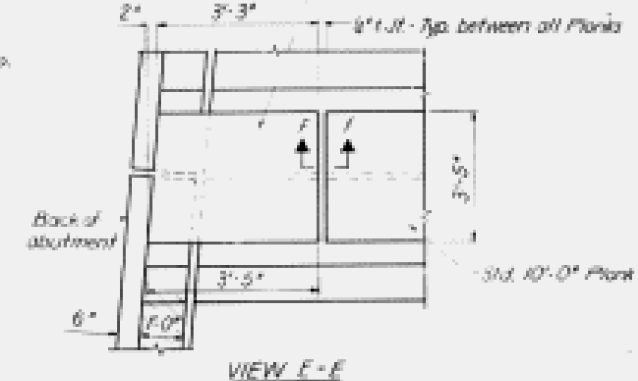
10'-0\"/>

LIFT INSERT

Note: After plank is in place replace Swivel Lift Plate with 1/4\"/>



SPECIAL END PLANK
(2 Required)
Special End Plank (Typ. ea. abut.)



VIEW E-E

Note: All reinforcement and accessories cast into precast planks are incidental to "Precast Concrete Planks."

PRECAST CONCRETE PLANK
AND ABUTMENT WALL DETAILS
F.A.I. ROUTE 270 SEC. 82-318-1
ST. CLAIR COUNTY
STATION 818+64.31

DESIGNED	Robert S. Led	DRAWN	Mercado
CHECKED	J. J. [Signature]	APPROVED	[Signature]
DATE	11/27/19		

FOR INFORMATION ONLY

FILE NAME: H:\P\17025\17025.003\Bridges\Microstation\0820235-76E13-012_Existing Bridge Plans.dgn



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PLOT SCALE	CHECKED	REVISED
DATE	DRAWN	REVISED
	CHECKED	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0235

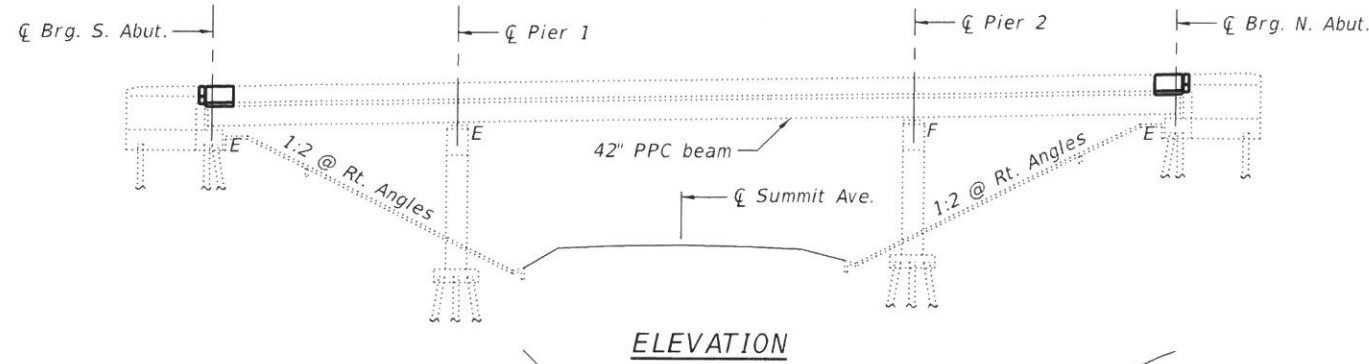
SHEET 12 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				

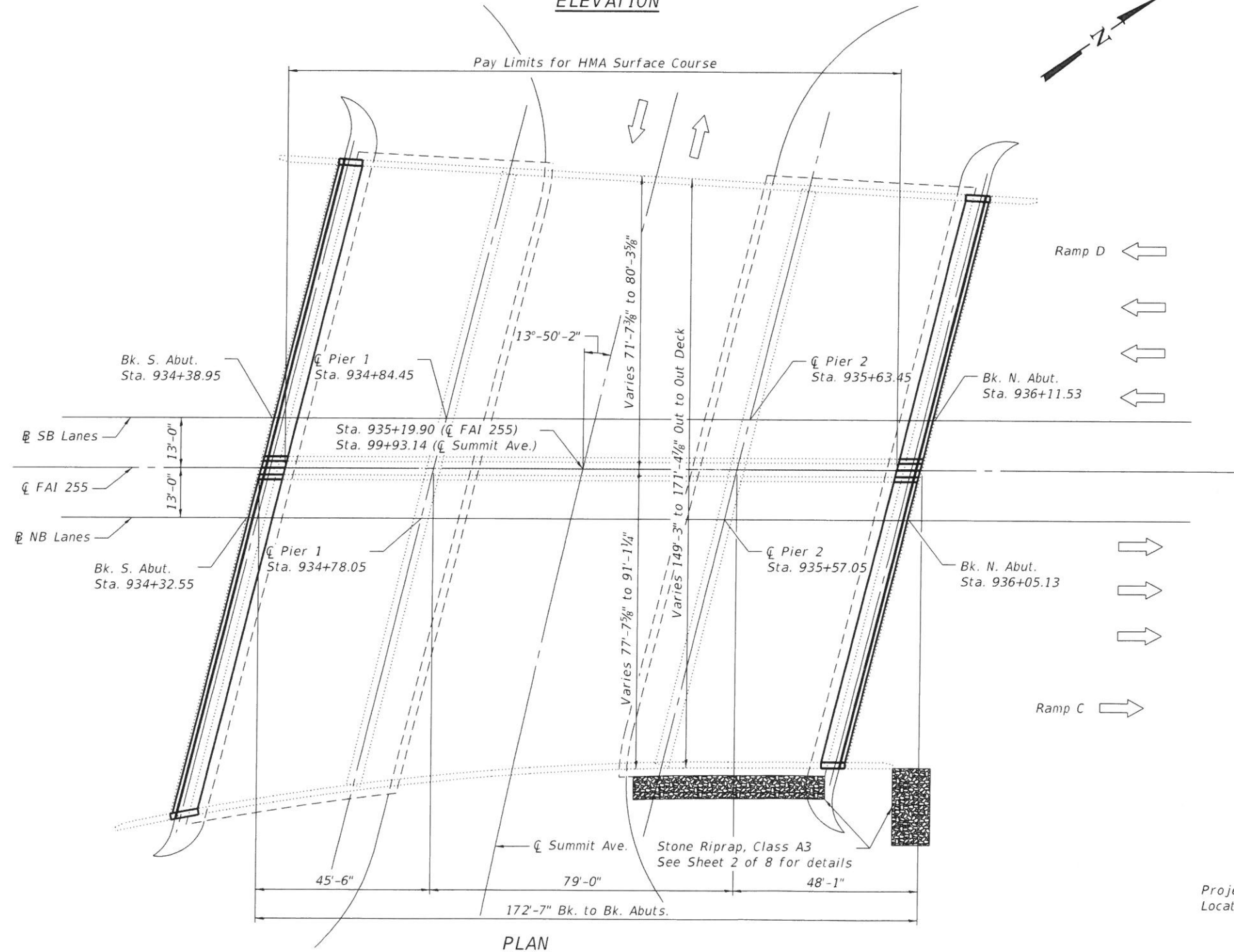
ILLINOIS FED. AID PROJECT

Existing Structure: S.N. 082-0236, originally built in 1982, is a three-span PPC I-Beam bridge with stub abutments and multi-column piers all supported by concrete piles. The bridge is to have a bituminous overlay installed and repairs completed as detailed in these plans. The bridge will be closed and traffic will be maintained using marked detours during construction.

No Salvage



ELEVATION



PLAN

SCOPE OF WORK

1. Replace deck transverse expansion joints at abutments
2. Complete deck patching as directed by the Engineer.
3. Install deck waterproofing membrane system with HMA overlay
4. Structural repair of concrete on substructure
5. Clean and seal bearing seats under joints
6. Repair bridge cone erosion with riprap

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. South Abutment Expansion Joint
4. North Abutment Expansion Joint
5. Expansion Joint Details
6. Expansion Joint Details
7. Preformed Joint Strip Seal
8. Abutment Repairs
9. Existing Concrete Plank Details

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications for Highway Bridges (Proposed)

DESIGN STRESSES

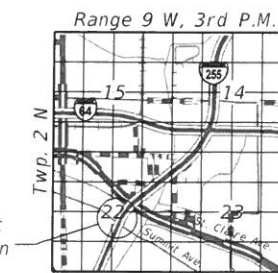
FIELD UNITS (EXISTING)
 $f'_c = 3,500$ psi (Deck & Sub)
 $f_y = 60,000$ psi (Reinf) (Deck & Sub)
 $f_c = 1,400$ psi (Curb & Parapet)
 $f_s = 20,000$ psi (Curb & Parapet)

FIELD UNITS (PROPOSED)
 $f'_c = 4,000$ psi (Superstructure)
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinf)
 $f_y = 36,000$ psi (M270 Grade 36)

LOADING HS20-44
or MILITARY ALTERNATE
Existing and Proposed



Michael Cima 8/19/19
 Michael D. Cima, Illinois S.E. 081-005984 Date Expires 11/30/2020



LOCATION SKETCH

GENERAL PLAN & ELEVATION
F.A.I. RTE. 255 OVER
SUMMIT AVE.
SECTION 82-(3,2)RS
ST CLAIR COUNTY
STATION 935+19.90
STRUCTURE NO. 082-0236

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 082-0236

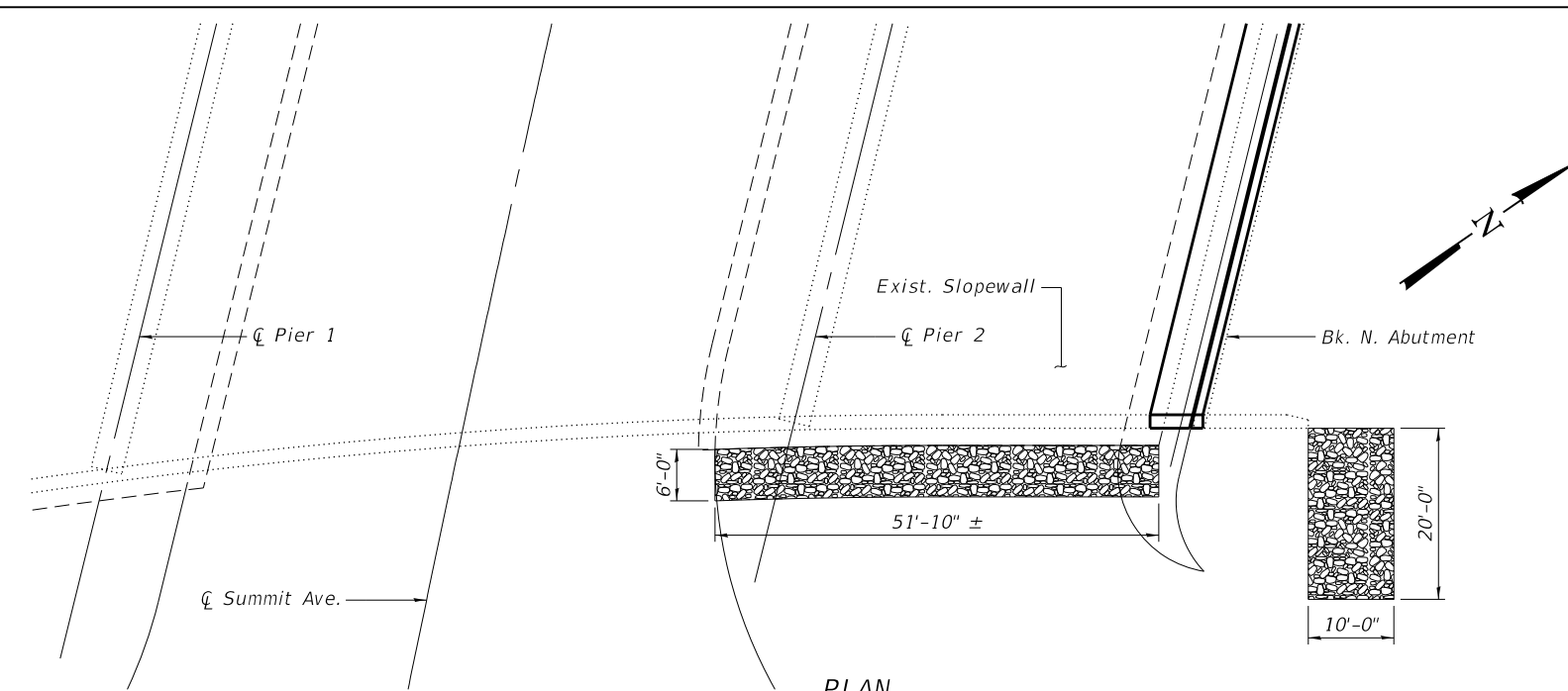
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	236
CONTRACT NO. 76E13				

TOTAL BILL OF MATERIAL

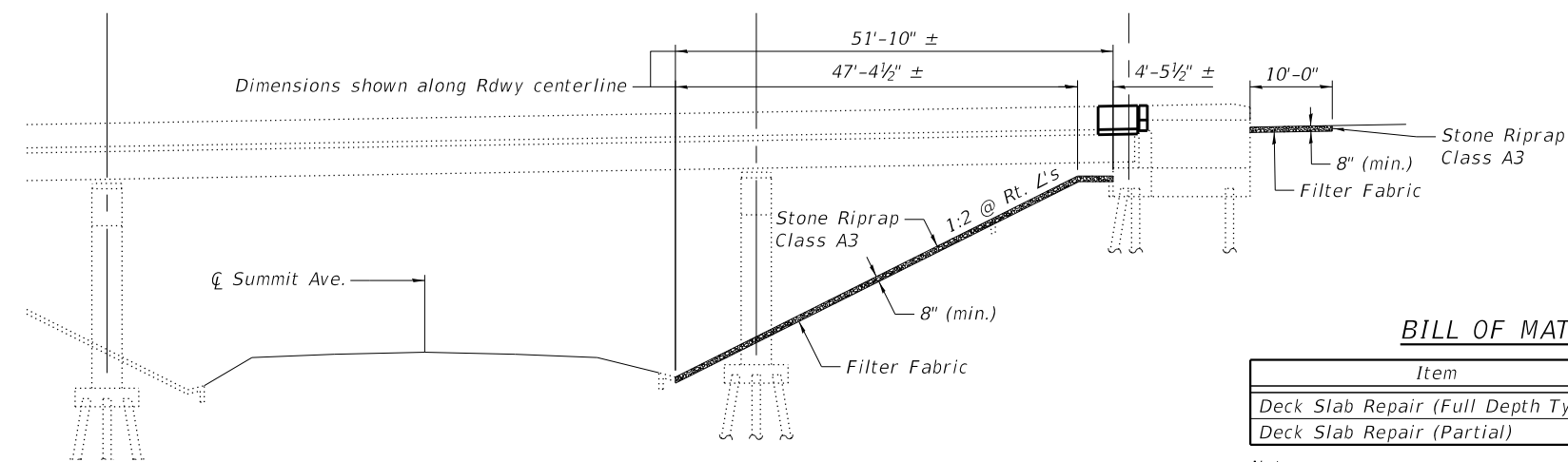
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		57	57
Filter Fabric	Sq. Yd.		57	57
Polymerized HMA Surface Course, Mix "E" N90	Ton	222		222
Concrete Removal	Cu. Yd.	103.7		103.7
Concrete Superstructure	Cu. Yd.	102.5		102.5
Protective Coat	Sq. Yd.	208		208
Reinforcement Bars, Epoxy Coated	Pound	12,810		12,810
Preformed Joint Strip Seal	Foot	320		320
Waterproofing Membrane System	Sq. Yd.	2,634		2,634
Cleaning Bridge Seats	Sq. Ft.		1,075	1,075
Concrete Sealer	Sq. Ft.		2,487	2,487
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		453	453
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	7		7
Deck Slab Repair (Partial)	Sq. Yd.	20		20
Longitudinal Joint Sealant	Foot	1,918		1,918

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
- The protective coat shall be applied to the front and inside faces of the new parapets and to the top face of the new concrete deck sections.
- Joint opening shall be adjusted according to Article 520.04 of the Standard Specs, when the deck is poured at an ambient temperature other than 50° F.
- Existing reinforcement bars extending into removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- The concrete on both sides of the joints shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.
- The contractor must exercise extreme care so as not to damage existing PPC I-beams during Concrete Removal. Any damage is to be repaired to the satisfaction of the Engineer at the contractor's expense.
- Concrete Sealer shall be applied to all exposed surfaces of the abutments.
- Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.



PLAN
Erosion Repair at N. Abut.

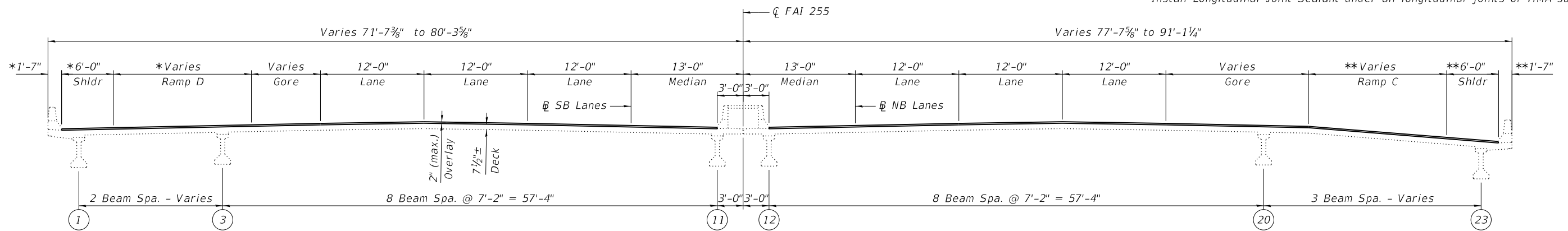


ELEVATION
Erosion Repair at N. Abut.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	7
Deck Slab Repair (Partial)	Sq. Yd.	20

Note:
Deck Slab Repair areas are estimated, and will be field verified and approved by the Engineer prior to starting patching.



CROSS SECTION
(Looking North)

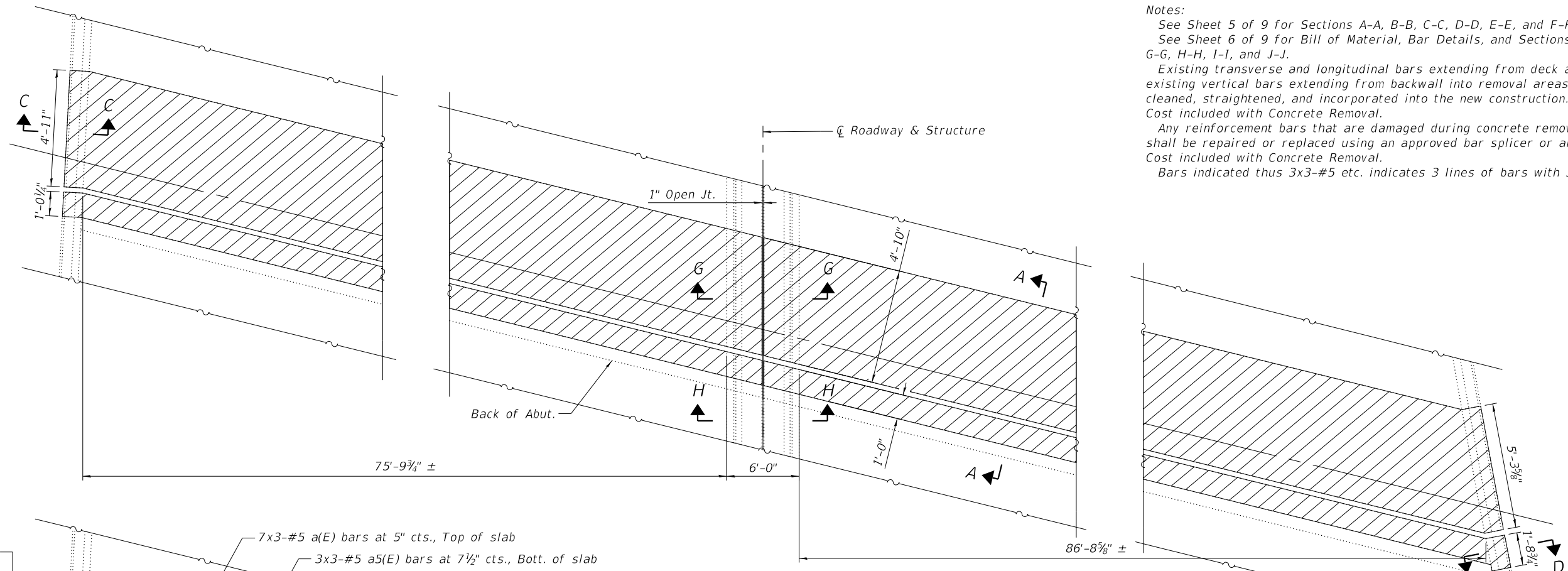
Note:
2" Overlay consists of 1/2" Waterproofing Membrane with 1 1/2" HMA surface layer.

* Perp to Ramp D
** Perp to Ramp C

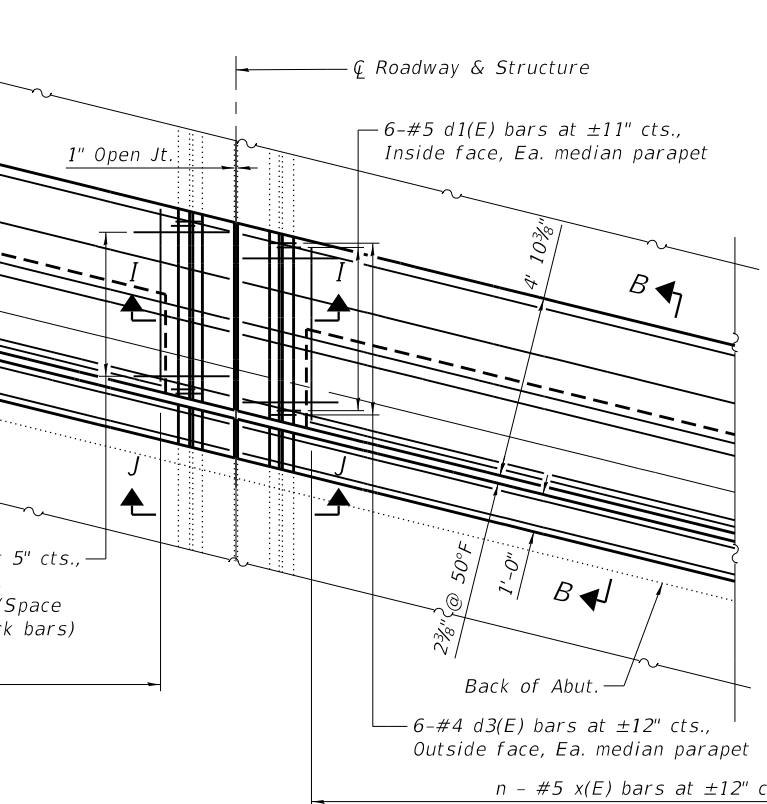
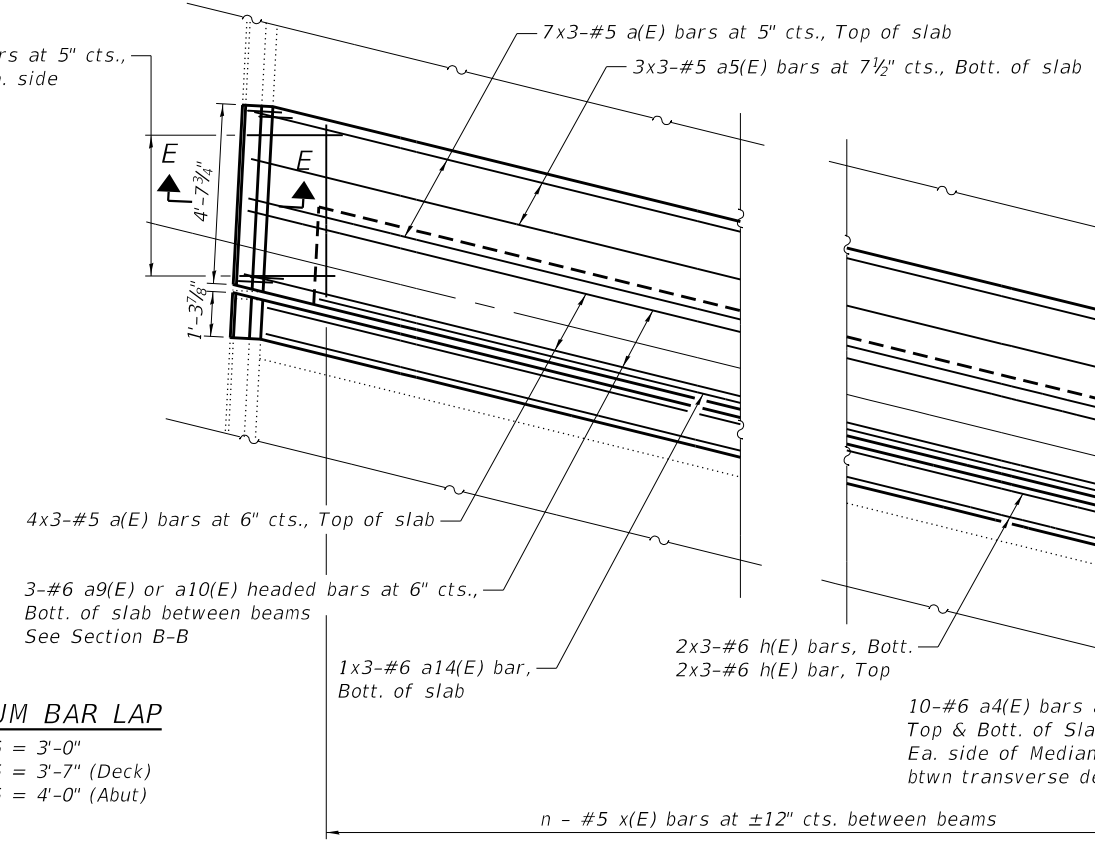
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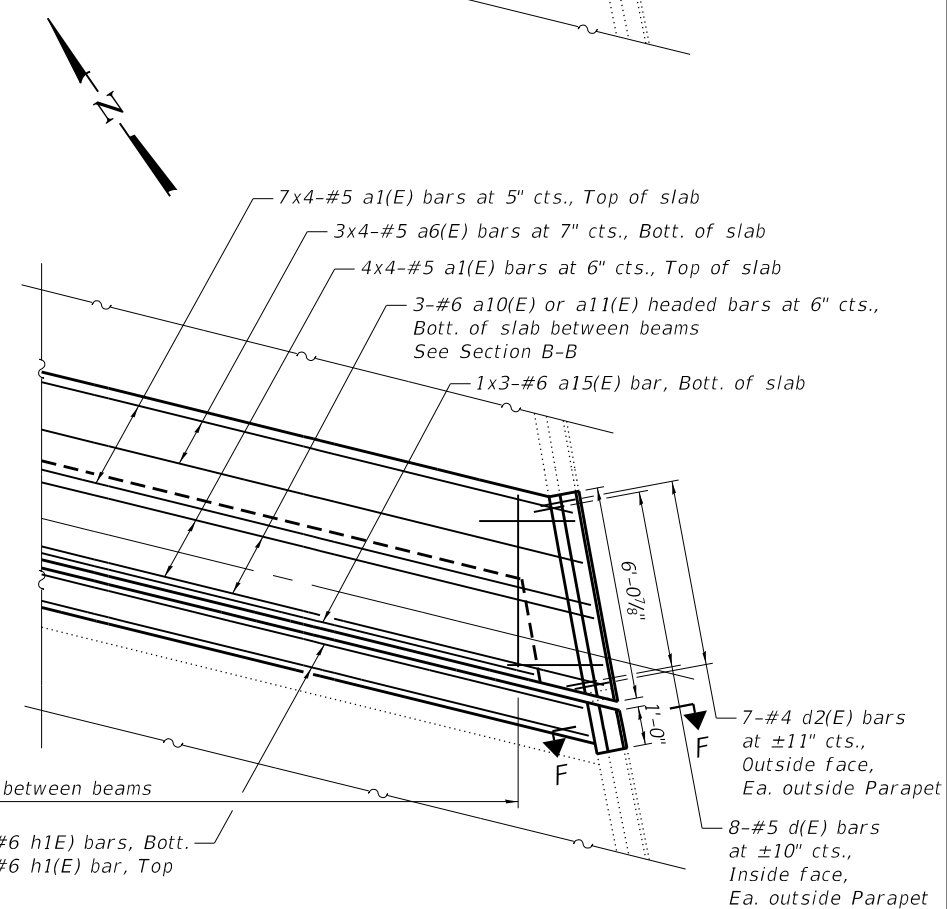
Notes:
 See Sheet 5 of 9 for Sections A-A, B-B, C-C, D-D, E-E, and F-F.
 See Sheet 6 of 9 for Bill of Material, Bar Details, and Sections G-G, H-H, I-I, and J-J.
 Existing transverse and longitudinal bars extending from deck as well as existing vertical bars extending from backwall into removal areas shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Bars indicated thus 3x3-#5 etc. indicates 3 lines of bars with 3 lengths per line.



CONCRETE REMOVAL PLAN
South Abutment



CONCRETE REPLACEMENT PLAN
South Abutment



MINIMUM BAR LAP
 #5 = 3'-0"
 #6 = 3'-7" (Deck)
 #6 = 4'-0" (Abut)

LEGEND

Concrete Removal

Location	n
Bms. 1 thru 3	8
Bms. 3 thru 20	7
Bms. 20 thru 23	8

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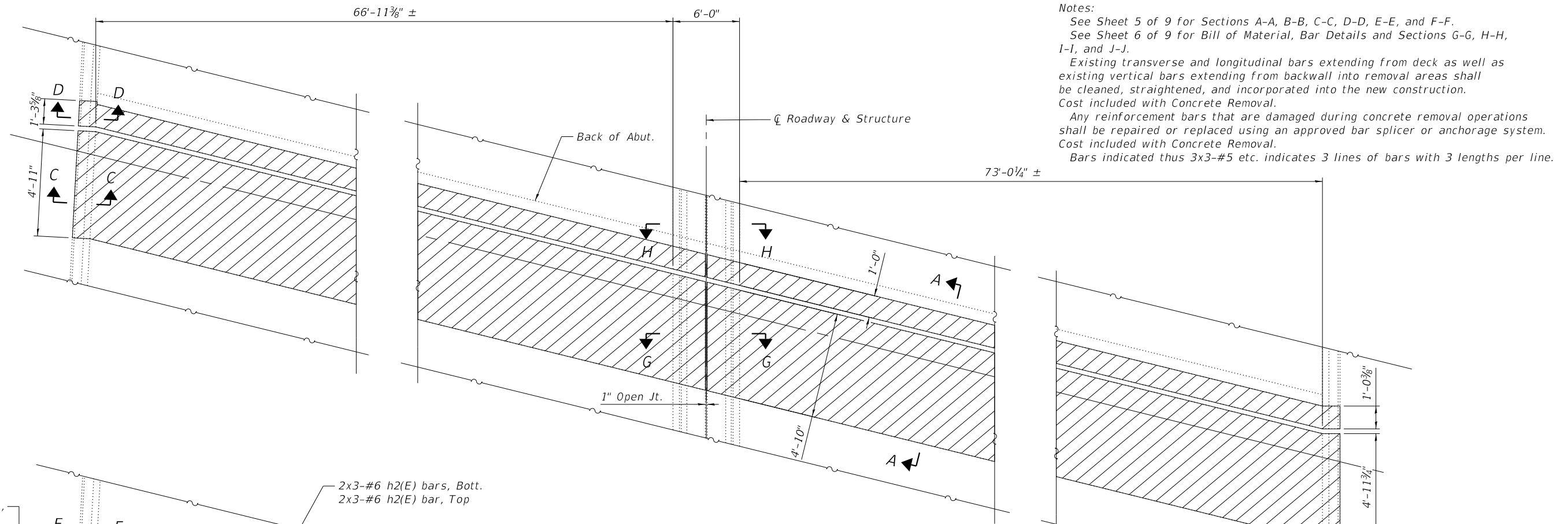
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT EXPANSION JOINT
STRUCTURE NO. 082-0236

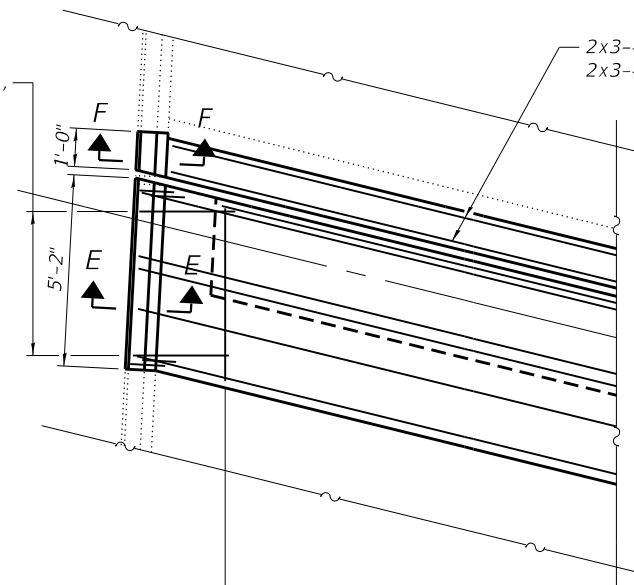
SHEET 3 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	238
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



Notes:
 See Sheet 5 of 9 for Sections A-A, B-B, C-C, D-D, E-E, and F-F.
 See Sheet 6 of 9 for Bill of Material, Bar Details and Sections G-G, H-H, I-I, and J-J.
 Existing transverse and longitudinal bars extending from deck as well as existing vertical bars extending from backwall into removal areas shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Bars indicated thus 3x3-#5 etc. indicates 3 lines of bars with 3 lengths per line.

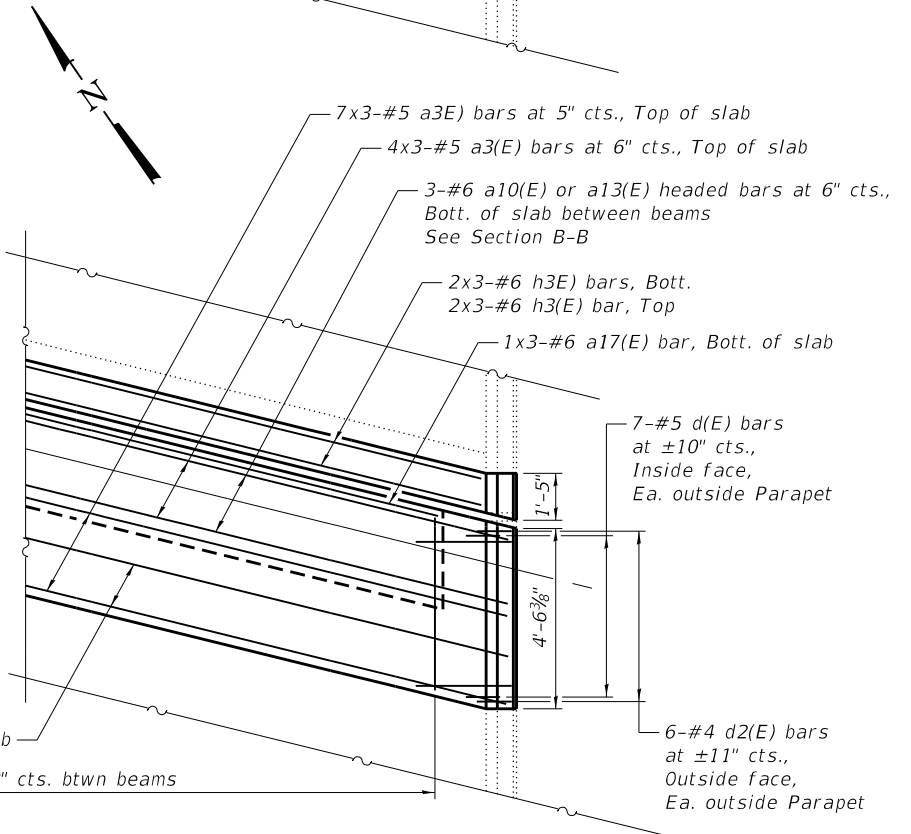
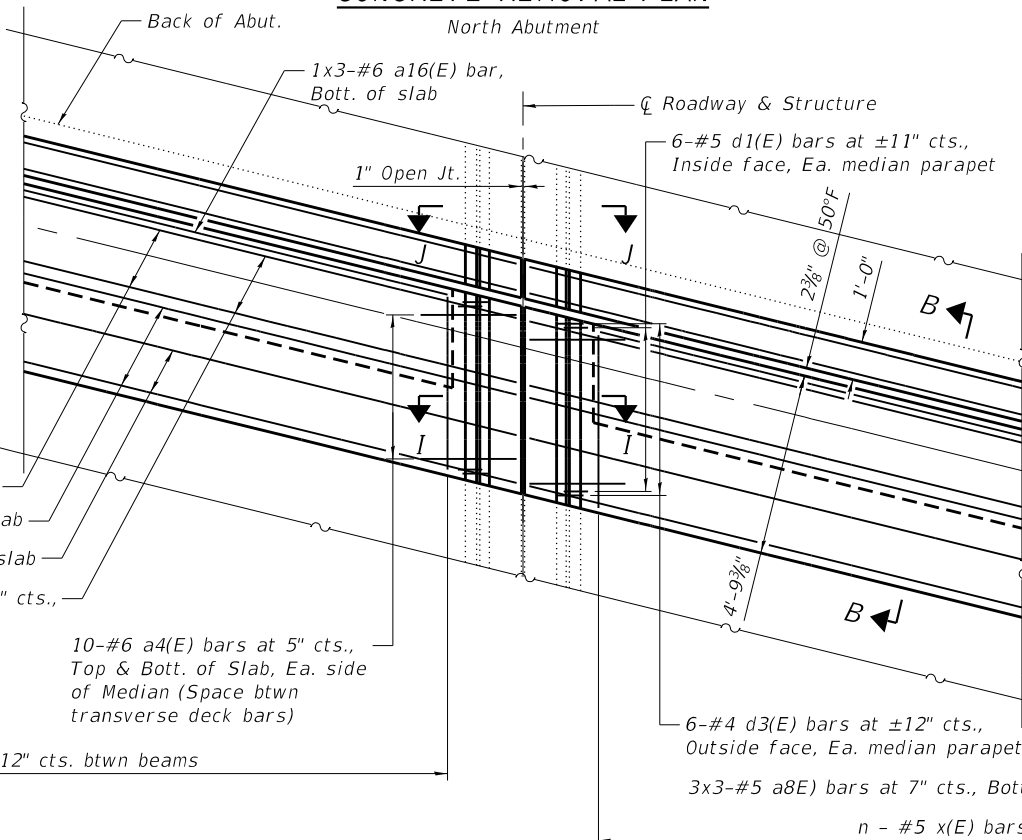
10-#6 a4(E) bars at 5" cts.,
 Top of Slab, Ea. side



2x3-#6 h2(E) bars, Bott.
 2x3-#6 h2(E) bar, Top

CONCRETE REMOVAL PLAN

North Abutment



MINIMUM BAR LAP

- #5 = 3'-0"
- #6 = 3'-7" (Deck)
- #6 = 4'-0" (Abut)

LEGEND

Concrete Removal

- 4x3-#5 a2(E) bars at 6" cts., Top of slab
- 7x3-#5 a2(E) bars at 5" cts., Top of slab
- 3x3-#5 a7(E) bars at 7 1/2" cts., Bott. of slab
- 3-#6 a10(E) or a12(E) headed bars at 6" cts., Bott. of slab between beams See Section B-B

10-#6 a4(E) bars at 5" cts.,
 Top & Bott. of Slab, Ea. side
 of Median (Space btwn
 transverse deck bars)

n - #5 x(E) bars at ±12" cts. btwn beams

Location	n
Bms. 1 thru 3	3
Bms. 3 thru 20	7
Bms. 20 thru 23	4

CONCRETE REPLACEMENT PLAN

North Abutment

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT
 STRUCTURE NO. 082-0236

SHEET 4 OF 9 SHEETS

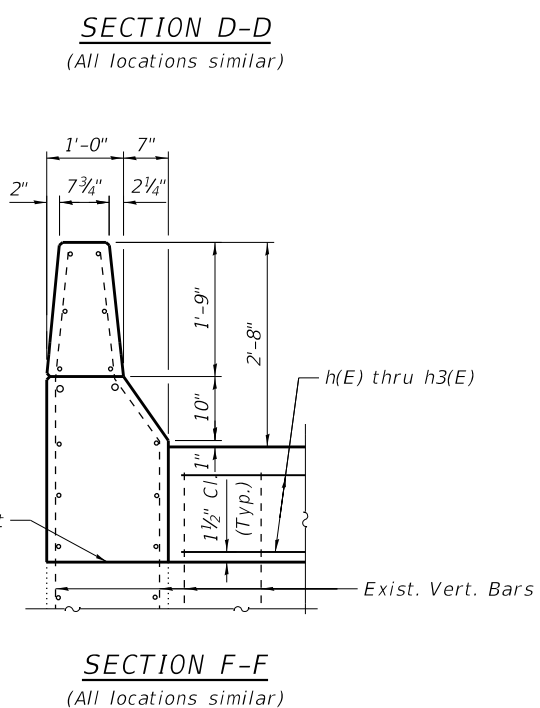
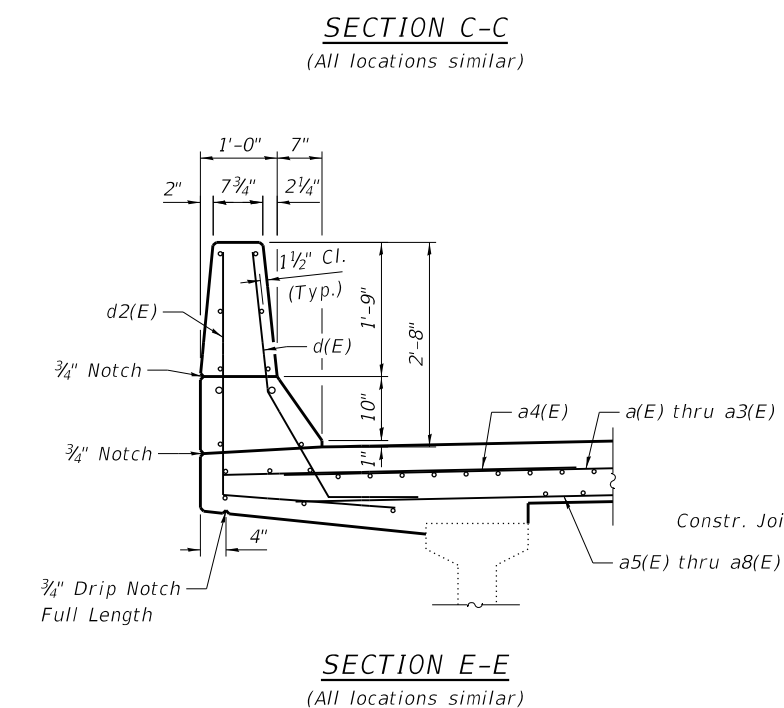
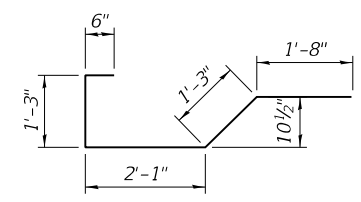
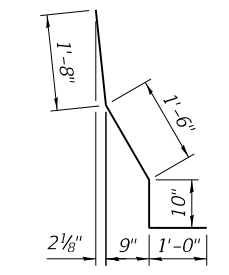
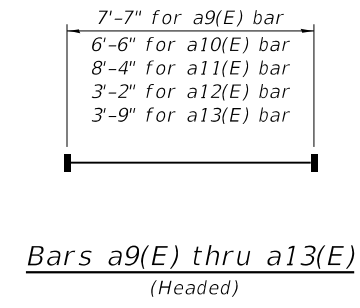
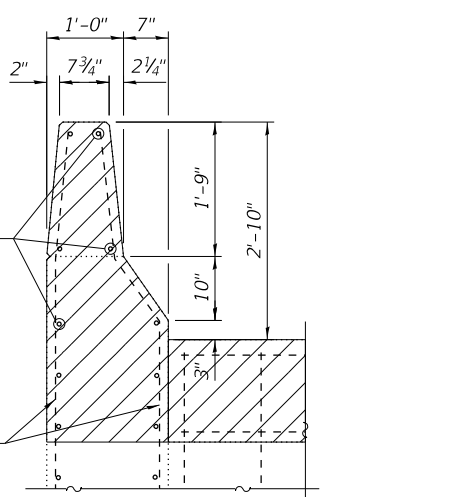
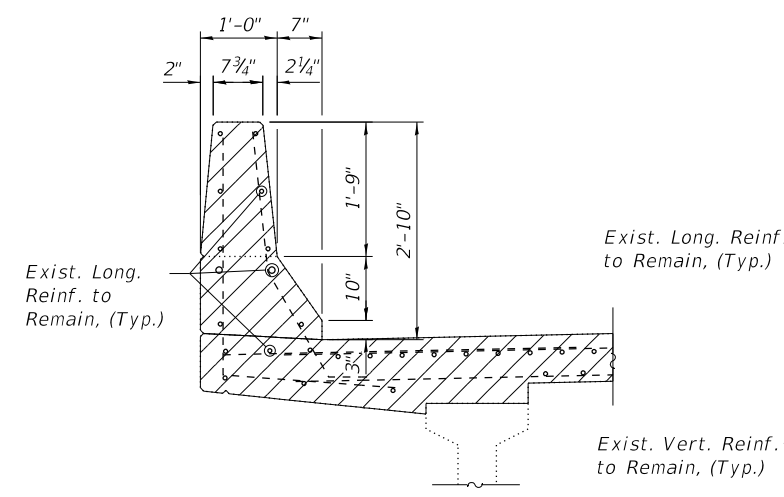
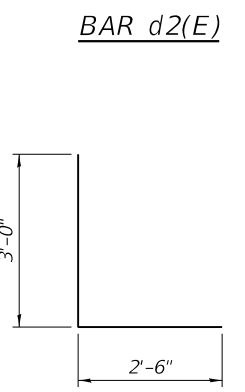
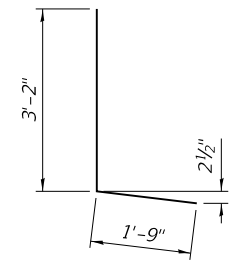
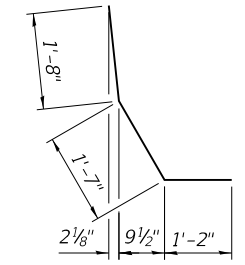
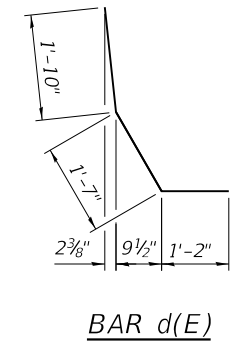
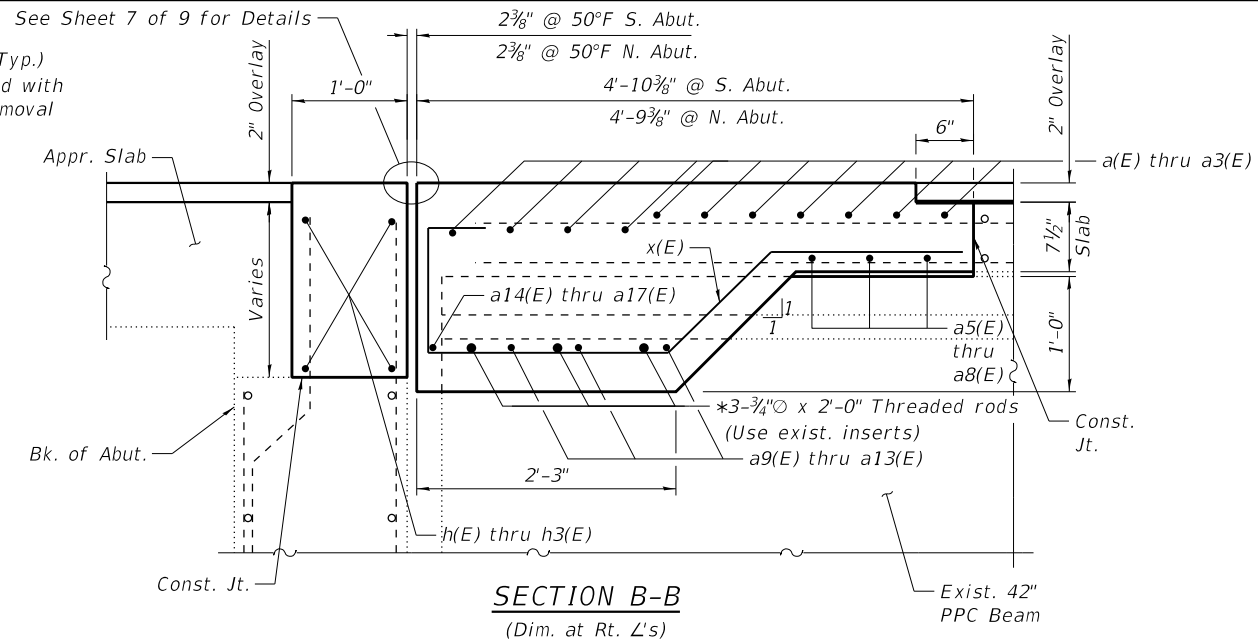
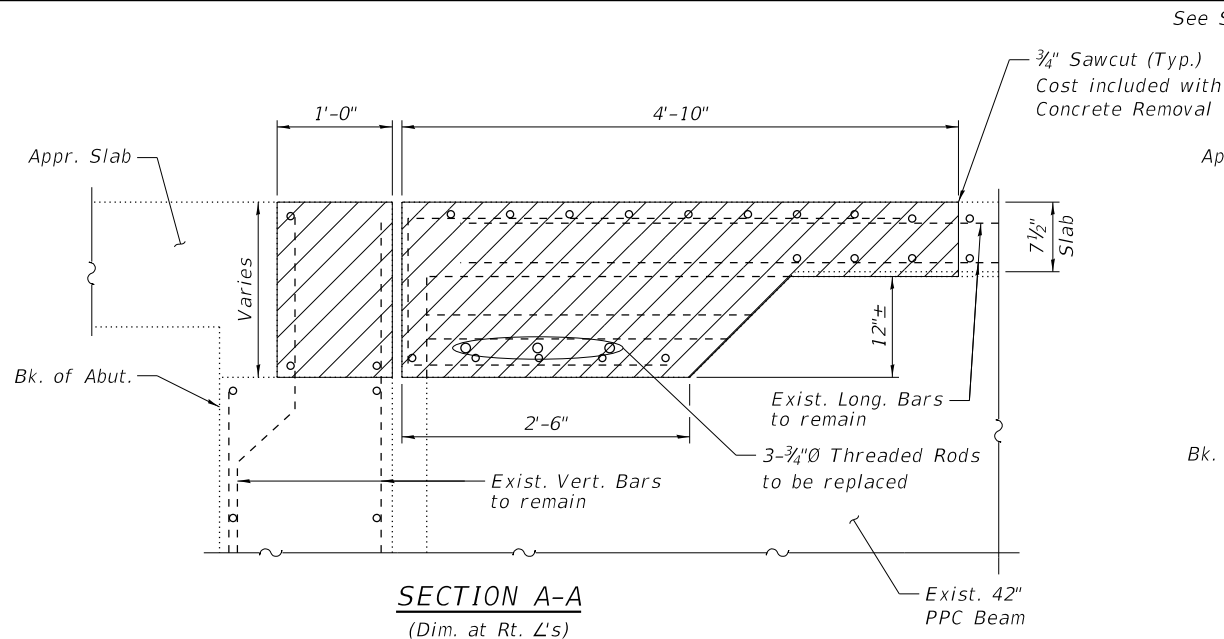
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CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

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LEGEND
 Concrete Removal

Notes:
 See Sheet 3 & 4 of 9 for the location of Sections A-A, B-B, C-C, D-D, E-E, and F-F.
 Existing transverse and longitudinal bars extending from deck into removal area as well as existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system.
 For overlay details see Cross Section on Sheet 2 of 9.

* Cost included in Concrete Superstructure

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT DETAILS
 STRUCTURE NO. 082-0236

SHEET 5 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	240
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				


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Notes:

See Sheet 3 & 4 of 9 for the location of Sections G-G, H-H, I-I, and J-J.
 Existing transverse and longitudinal bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system.
 For overlay details see Cross Section on Sheet 2 of 9.

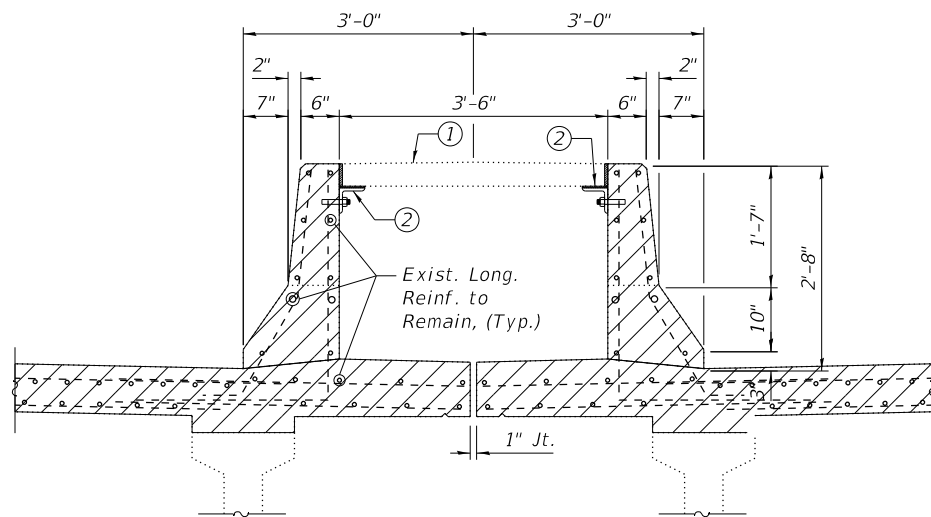
- ① Existing precast concrete plank to be removed, stored, and reinstalled to the satisfaction of the Engineer. Cost included with Concrete Superstructure.
- ② Existing angles anchored to median parapets to remain. Embed new $\frac{5}{8}$ " \emptyset High Strength bolts 4" into parapet, existing longitudinal spacing of approximately 18". Fasten angle to bolt using hex nut and $1\frac{1}{2}$ " \emptyset hardened plate washer. Include $\frac{1}{4}$ " x 4" fabric pad between angle and precast concrete plank. Provide $\frac{1}{2}$ " PJF between parapet and precast concrete plank as shown. Cost included with Concrete Superstructure.

LEGEND

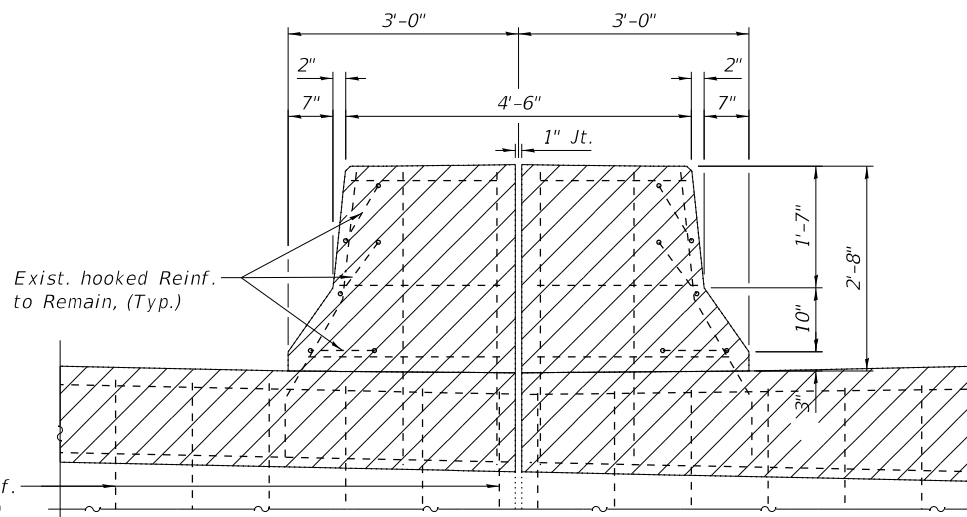
 Concrete Removal

BILL OF MATERIAL

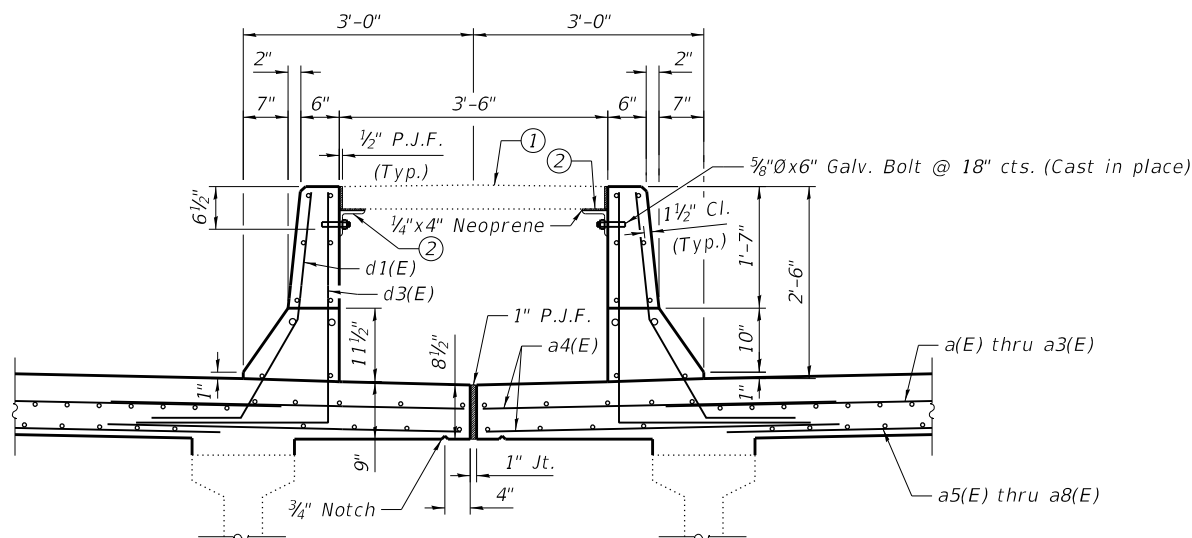
Bar	No.	Size	Length	Shape
a(E)	33	#5	29'-4"	—
a1(E)	44	#5	25'-7"	—
a2(E)	33	#5	26'-3"	—
a3(E)	33	#5	28'-4"	—
a4(E)	120	#6	6'-6"	—
a5(E)	9	#5	29'-1"	—
a6(E)	12	#5	25'-5"	—
a7(E)	9	#5	26'-0"	—
a8(E)	9	#5	28'-1"	—
a9(E)	6	#6	7'-7"	—
a10(E)	96	#6	6'-6"	—
a11(E)	9	#6	8'-4"	—
a12(E)	6	#6	3'-2"	—
a13(E)	9	#6	3'-9"	—
a14(E)	3	#6	26'-11"	—
a15(E)	3	#6	30'-4"	—
a16(E)	3	#6	24'-0"	—
a17(E)	3	#6	25'-11"	—
b(E)	6	#4	4'-8"	—
c(E)	20	#4	3'-2"	—
d(E)	30	#5	4'-7"	⌋
d1(E)	24	#5	4'-5"	⌋
d2(E)	26	#4	4'-11"	⌋
d3(E)	24	#4	5'-6"	⌋
e(E)	16	#4	1'-11"	—
e1(E)	8	#4	2'-8"	—
h(E)	12	#6	29'-11"	—
h1(E)	16	#6	26'-4"	—
h2(E)	12	#6	26'-10"	—
h3(E)	12	#6	28'-11"	—
v(E)	8	#5	5'-0"	⌋
v1(E)	16	#5	3'-10"	—
x(E)	282	#5	6'-9"	⌋
Concrete Removal		Cu. Yd.	103.7	
Concrete Superstructure		Cu. Yd.	102.5	
Protective Coat		Sq. Yd.	208	
Reinforcement Bars, Epoxy Coated		Pound	12,810	



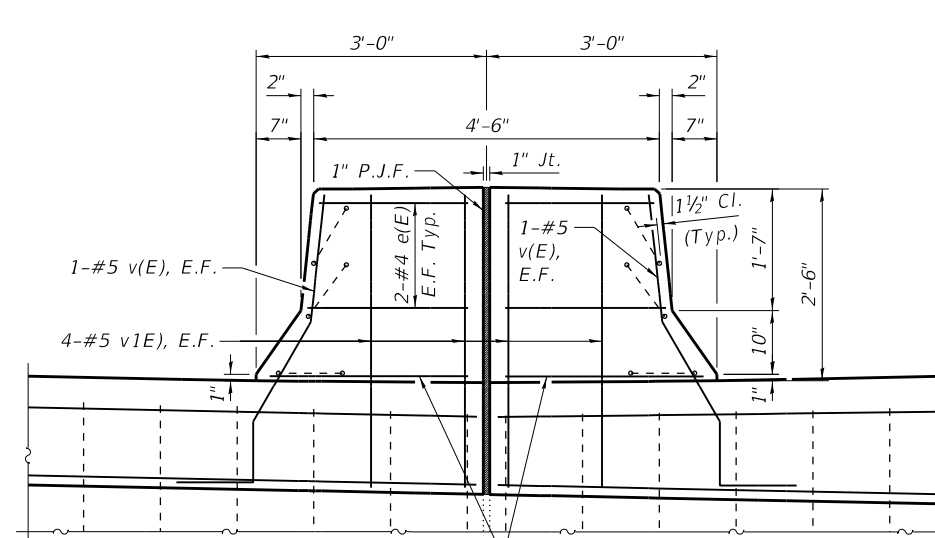
SECTION G-G
(Each location similar)



SECTION H-H
(Each location similar)



SECTION I-I
(Each location similar)



SECTION J-J
(Each location similar)

MODEL: \$MODELNAME\$ FILE NAME: SA2017171011 Var Ph H.I. IDOT D8-Oates PTB 183-12WO-3Struct Design(SN 082-0236)(CADD)CADD Sheets\0820236-76E13-005-Joint_Details.dgn 8/1/2019 1:55:39 PM



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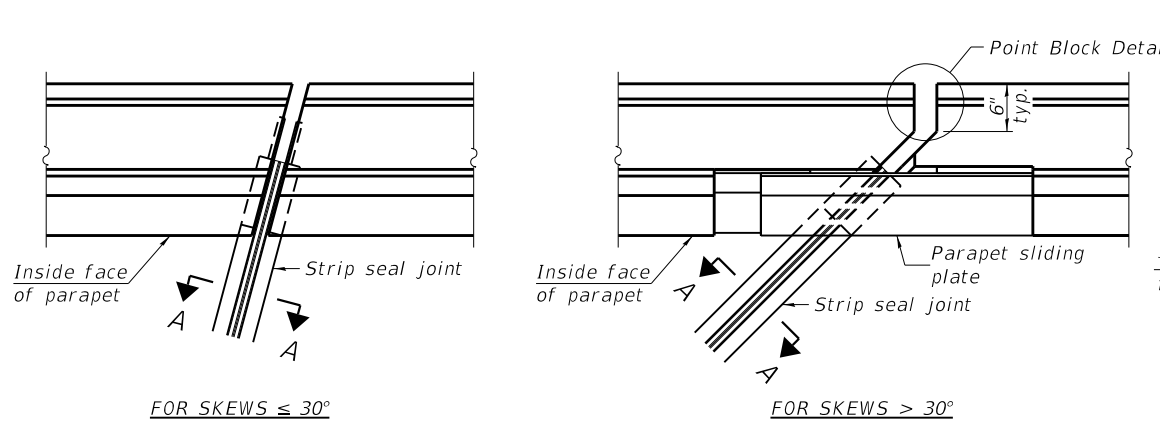
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT DETAILS
STRUCTURE NO. 082-0236

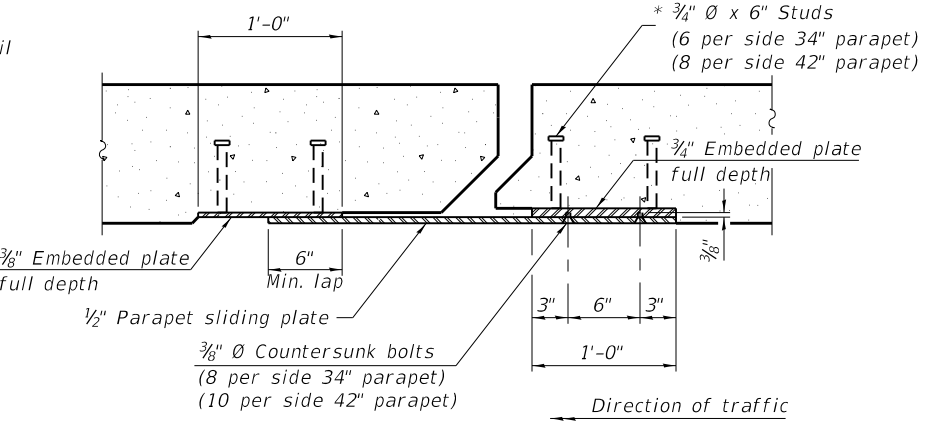
SHEET 6 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAMES
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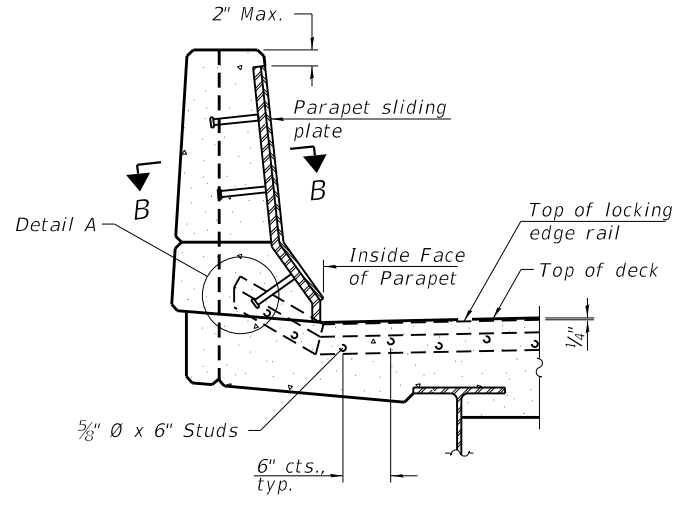


PLAN AT PARAPET



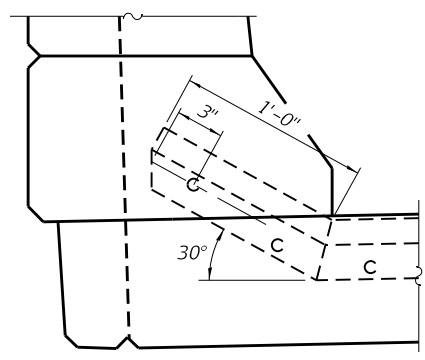
SECTION B-B

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
 34" F-shape barrier shown, 42" F-shape similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

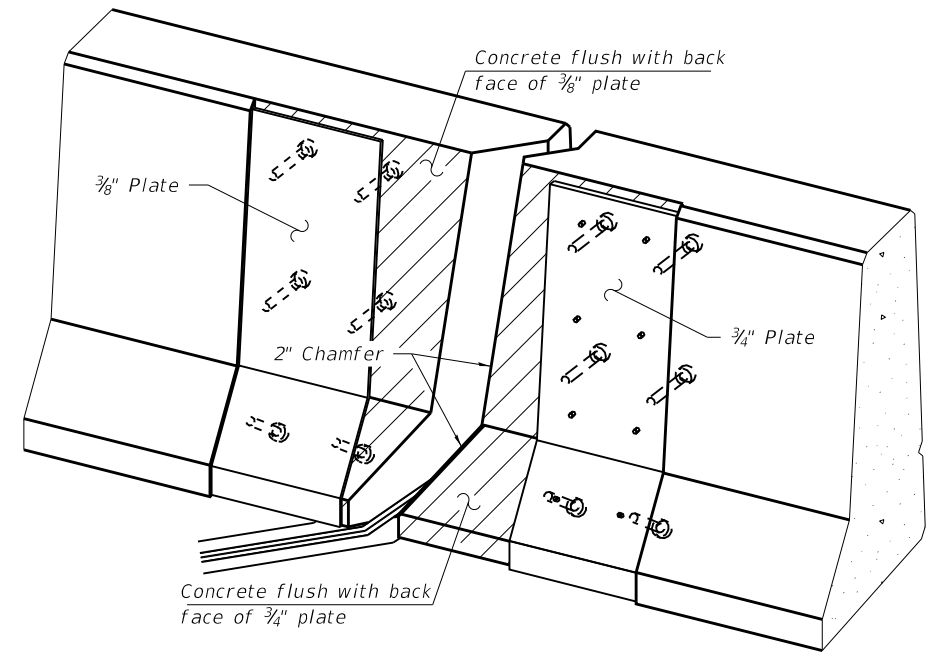


ELEVATION AT PARAPET

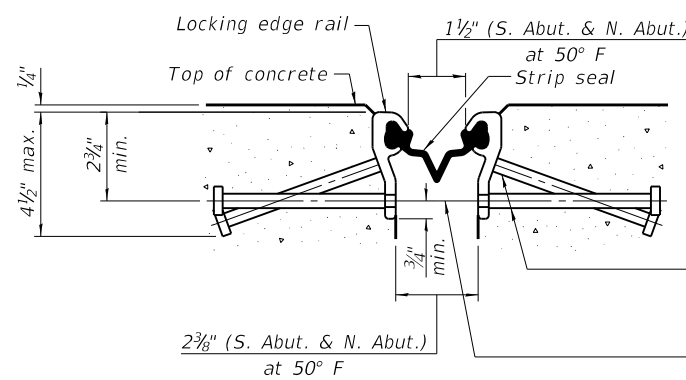
(Skews > 30° shown. Skews <= 30° similar except as shown in plan view.)



DETAIL A

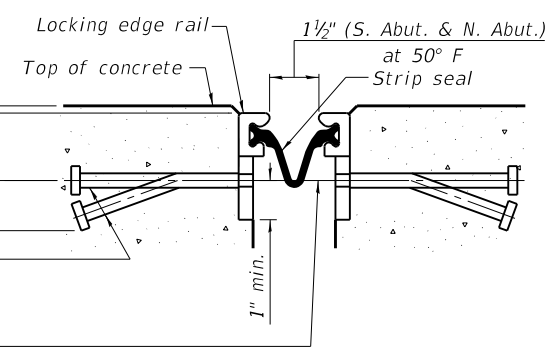


TRIMETRIC VIEW
 (Showing embedded plates only)



SHOWING ROLLED RAIL JOINT

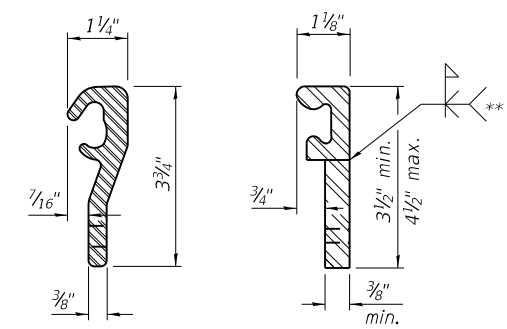
* 3/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



SHOWING WELDED RAIL JOINT

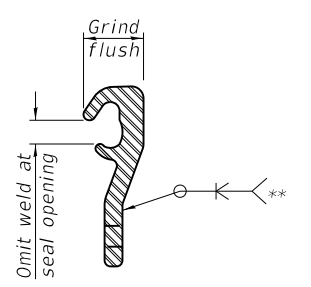
SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	320

EJ-SS

8-11-17



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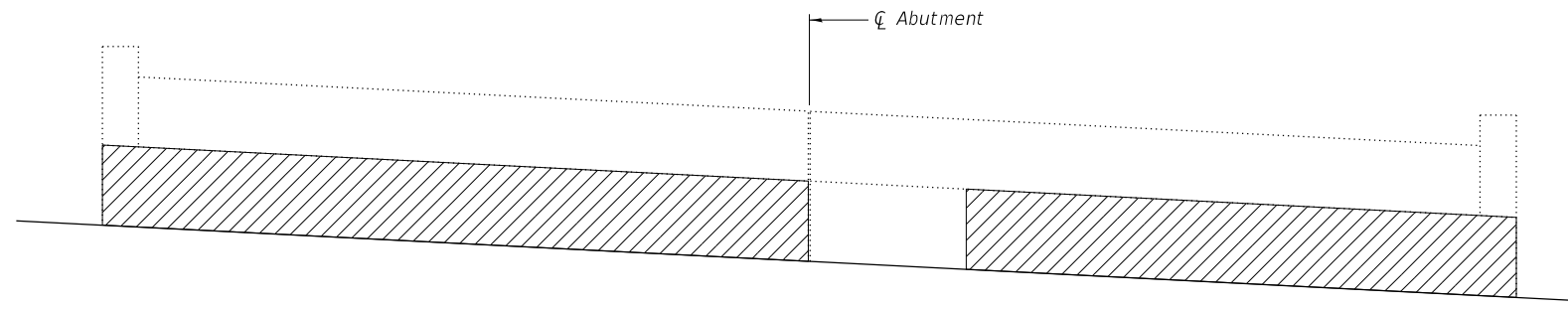
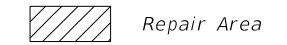
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 082-0236

SHEET 7 OF 9 SHEETS

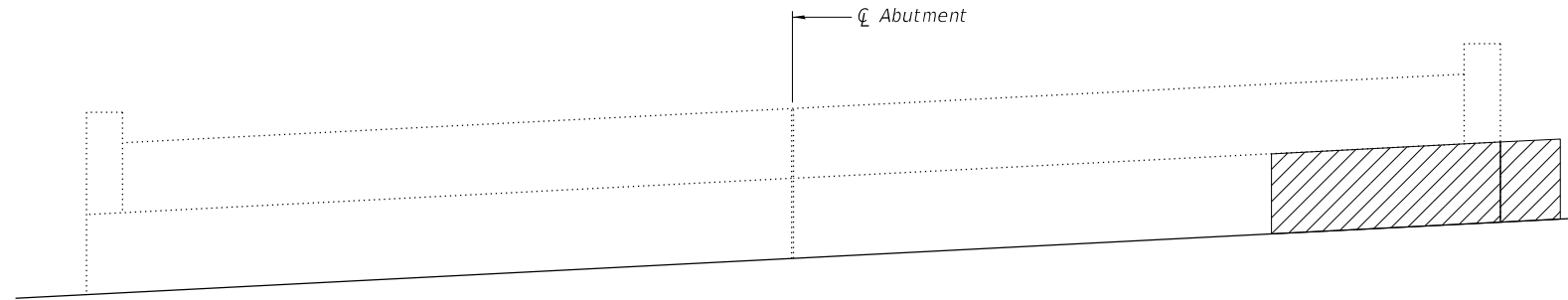
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	242
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

LEGEND



NORTH ABUTMENT ELEVATION

(Looking North)



SOUTH ABUTMENT ELEVATION

(Looking South)

Notes:
Repair areas shown are estimated. The Engineer shall show actual locations on the as-built plans.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	453

MODEL: \$MODELNAME\$
FILE NAME: S:\2017\171011 Var Ph H.I. DOT D8-Oates PTB 183-12WO-3\Struct Design\SN 082-0236\CADD\CADD Sheets\0820236-76E13-008-Sub Repair.dgn



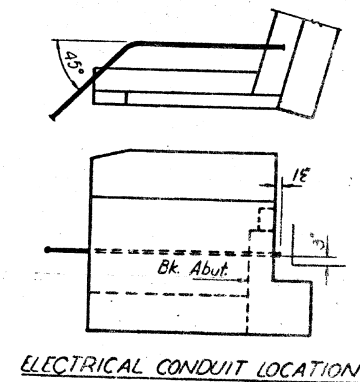
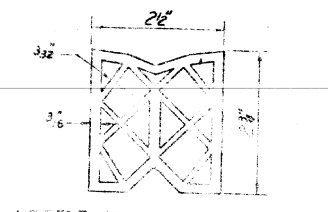
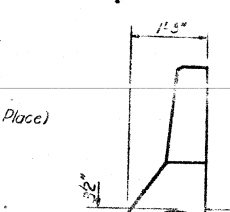
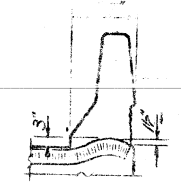
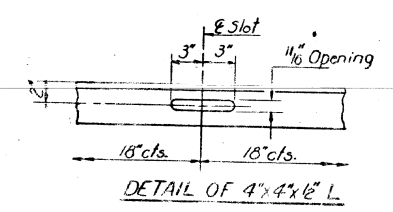
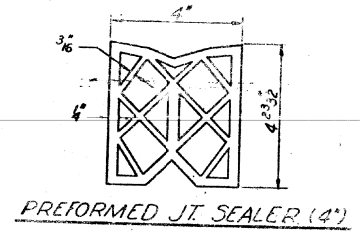
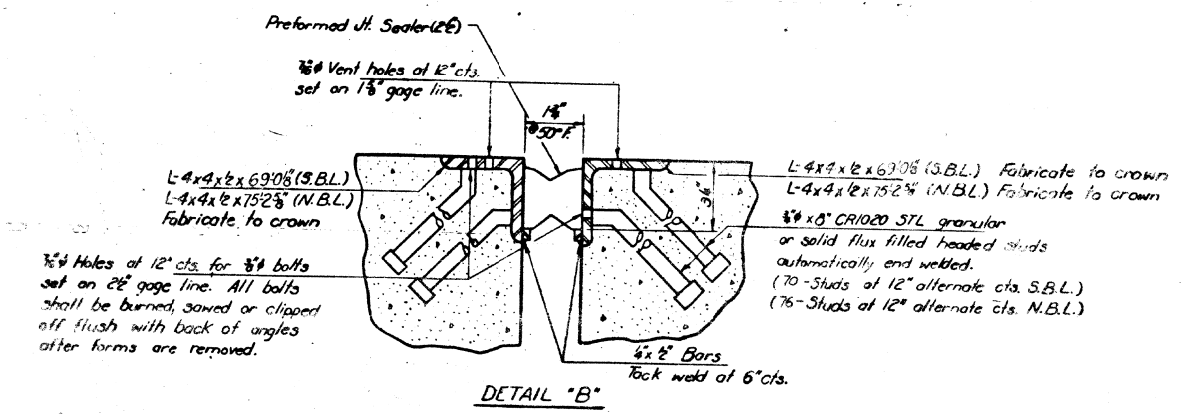
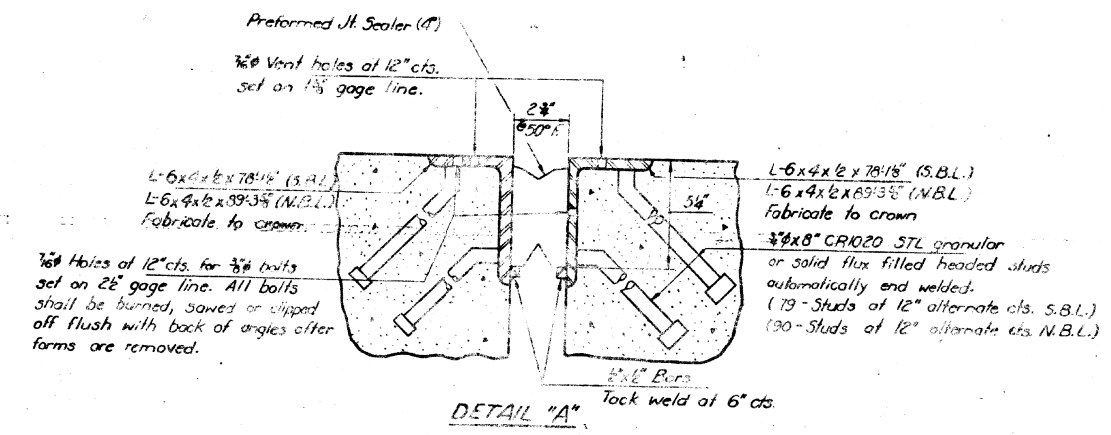
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

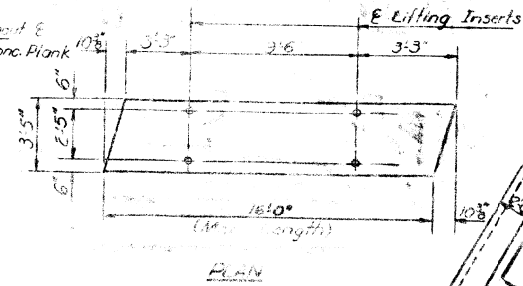
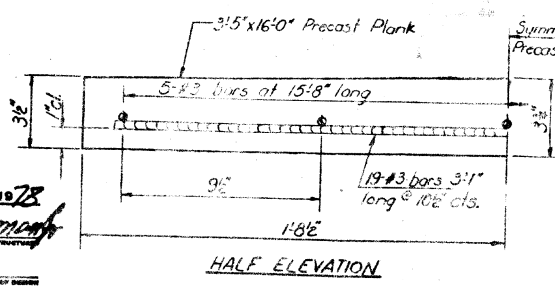
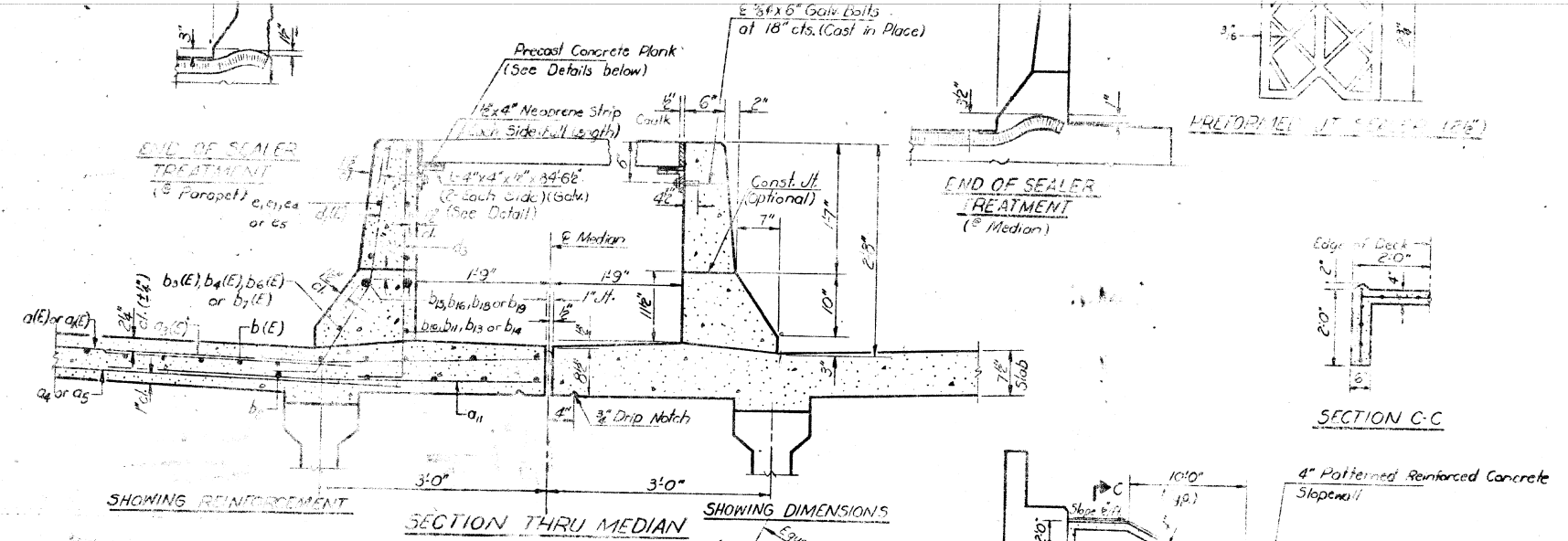
**ABUTMENT REPAIRS
STRUCTURE NO. 082-0236**

SHEET 8 OF 9 SHEETS

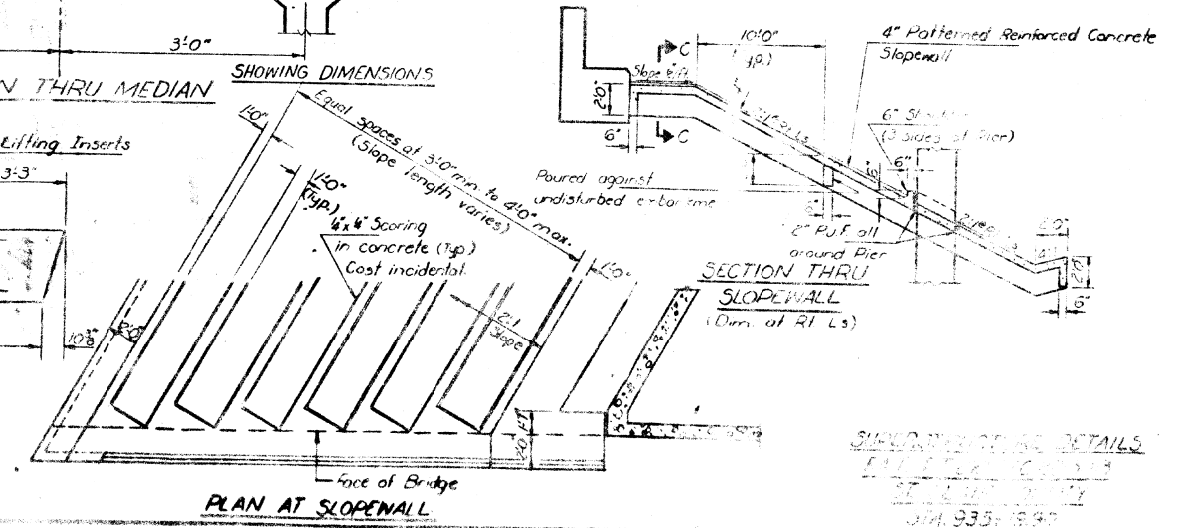
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255	82-(3,2)RS	ST. CLAIR	280	243
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



Note:
Locate 2\"/>



DETAILS OF PRECAST CONCRETE PLANK
(f'c = 4500 p.s.i.)



DESIGNED	April 26 1978
CHECKED	Paul E. Hammann
DRAWN	D. Doby
CHECKED	J.F.

Revised: 5-25-78 TES

FOR INFORMATION ONLY

MODEL: SMODELNAME
FILE NAME: SA2017171011 Var Ph Hl IDOT D8-08aies PTB 183-12W0-3Struct Design(SN 082-0236-CADD)CADD Sheets\0820236-76E13-009-Ex Conc Plank info.dgn

Existing Structure: S.N. 082-0237 & 082-0238, originally built in 1982, is a seven-span PPC I-Beam bridge with stub abutments and multicolumn piers all supported by concrete piles. The bridge is to have deck repairs, a bituminous overlay and repairs completed as detailed in these plans. The bridge will be closed and traffic will be maintained using marked detours during construction. No Salvage

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges (Proposed)

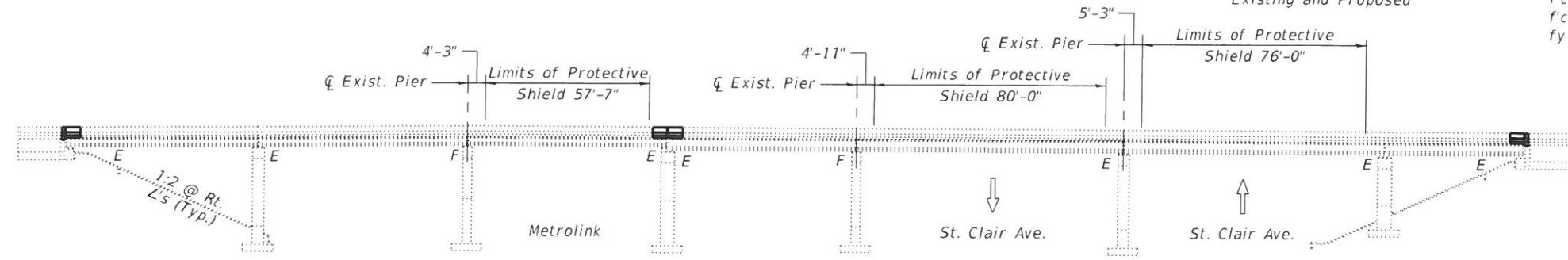
DESIGN STRESSES
FIELD UNITS (EXISTING)
 $f'_c = 3,500$ psi (Deck & Sub)
 $f_y = 60,000$ psi (Reinf) (Deck & Sub)

LOADING HS20-44
or **MILITARY ALTERNATE**
Existing and Proposed

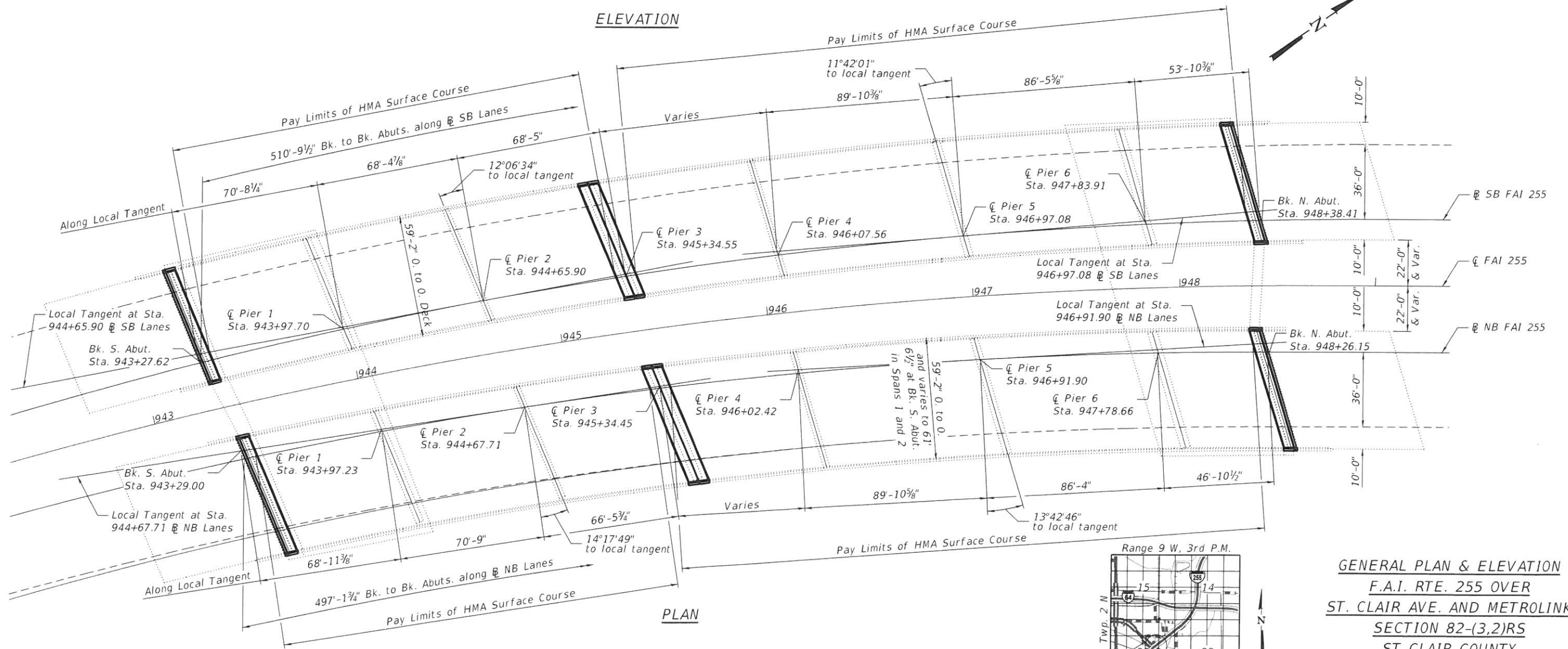
FIELD UNITS (PROPOSED)
 $f'_c = 4,000$ psi (Superstructure)
 $f'_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinf)



Michael Cima 8/19/19
Michael D. Cima, Illinois S.E. 081-005984 Date Expires 11/30/2020



ELEVATION



PLAN



GENERAL PLAN & ELEVATION
F.A.I. RTE. 255 OVER
ST. CLAIR AVE. AND METROLINK
SECTION 82-(3,2)RS
ST CLAIR COUNTY
STATION 946+94.41
STRUCTURE NO. 082-0237 (NB)
STRUCTURE NO. 082-0238 (SB)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 082-0237 & 082-0238

SHEET 1 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	245
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The protective coat shall be applied to the front and inside faces of the new parapets and to the top face of the new concrete deck sections.

Joint opening shall be adjusted according to Article 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

Existing reinforcement bars extending into removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

The concrete on both sides of the joints shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

The contractor must exercise extreme care so as not to damage existing PPC I-beams during Concrete Removal. Any damage is to be repaired to the satisfaction of the Engineer at the contractor's expense.

Concrete Sealer shall be applied to all exposed surfaces of the abutments and Pier 3.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. South Abutment Expansion Joint Southbound
4. South Abutment Expansion Joint Northbound
5. Pier 3 Expansion Joint
6. North Abutment Expansion Joint
7. Expansion Joint Details
8. Deck Patching Schedule
9. Preformed Joint Strip Seal
10. Abutment Repairs
11. Pier 3 Repairs Southbound
12. Pier 3 Repairs Northbound

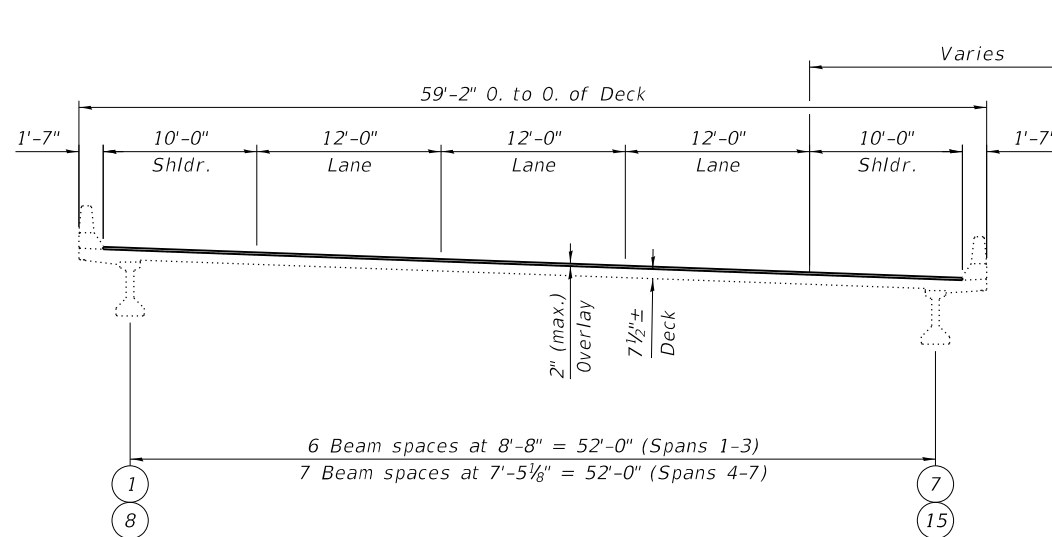
SCOPE OF WORK

1. Replace deck transverse expansion joints at Abutments and Pier 3.
2. Partial and Full depth deck patching.
3. Install deck waterproofing membrane system with HMA overlay.
4. Structural repair of concrete on substructure.
5. Clean and seal bearing seats under joints.

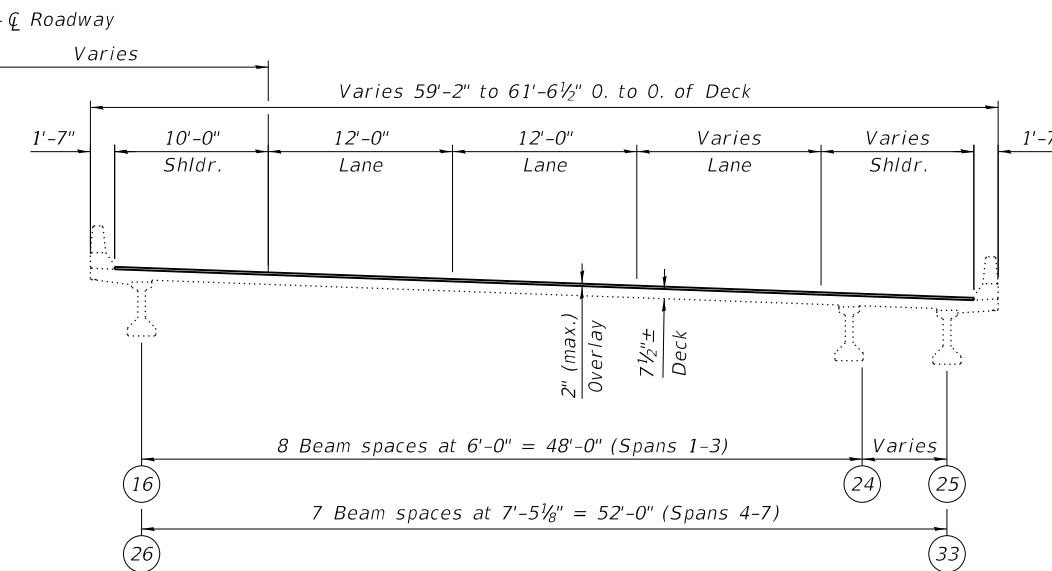
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Polymerized HMA Surface Course, Mix "E" N90	Ton	515		515
Concrete Removal	Cu. Yd.	119.9		119.9
Protective Shield	Sq. Yd.	2,469		2,469
Concrete Superstructure	Cu. Yd.	141.5		141.5
Protective Coat	Sq. Yd.	286		286
Reinforcement Bars, Epoxy Coated	Pound	17,230		17,230
Preformed Joint Strip Seal	Foot	360		360
Waterproofing Membrane System	Sq. Yd.	6,131		6,131
Cleaning Bridge Seats	Sq. Ft.	1,133		1,133
Concrete Sealer	Sq. Ft.		6,815	6,815
* Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		987	987
* Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	772		772
* Deck Slab Repair (Partial)	Sq. Yd.	347		347
Longitudinal Joint Sealant	Foot	3,895		3,895

* Quantities are estimated. The Engineer shall determine the actual locations, and record them in the As-Built plans.



CROSS SECTION
(South Bound - Looking Northeast)



CROSS SECTION
(North Bound - Looking Northeast)

Note:
2" Overlay consists of 1/2" Waterproofing Membrane with 1 1/2" HMA surface layer.

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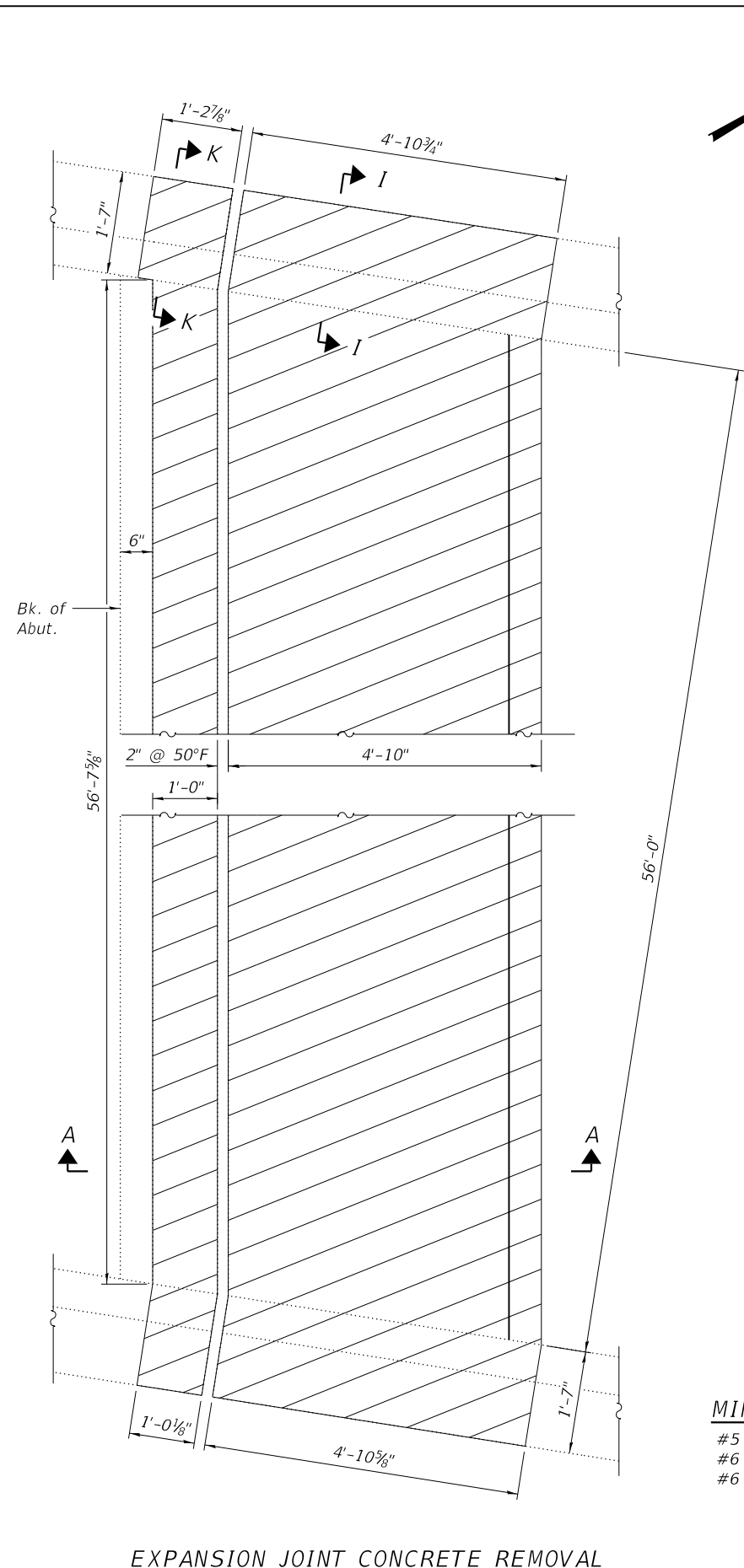
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 082-0237 & 082-0238**

SHEET 2 OF 12 SHEETS

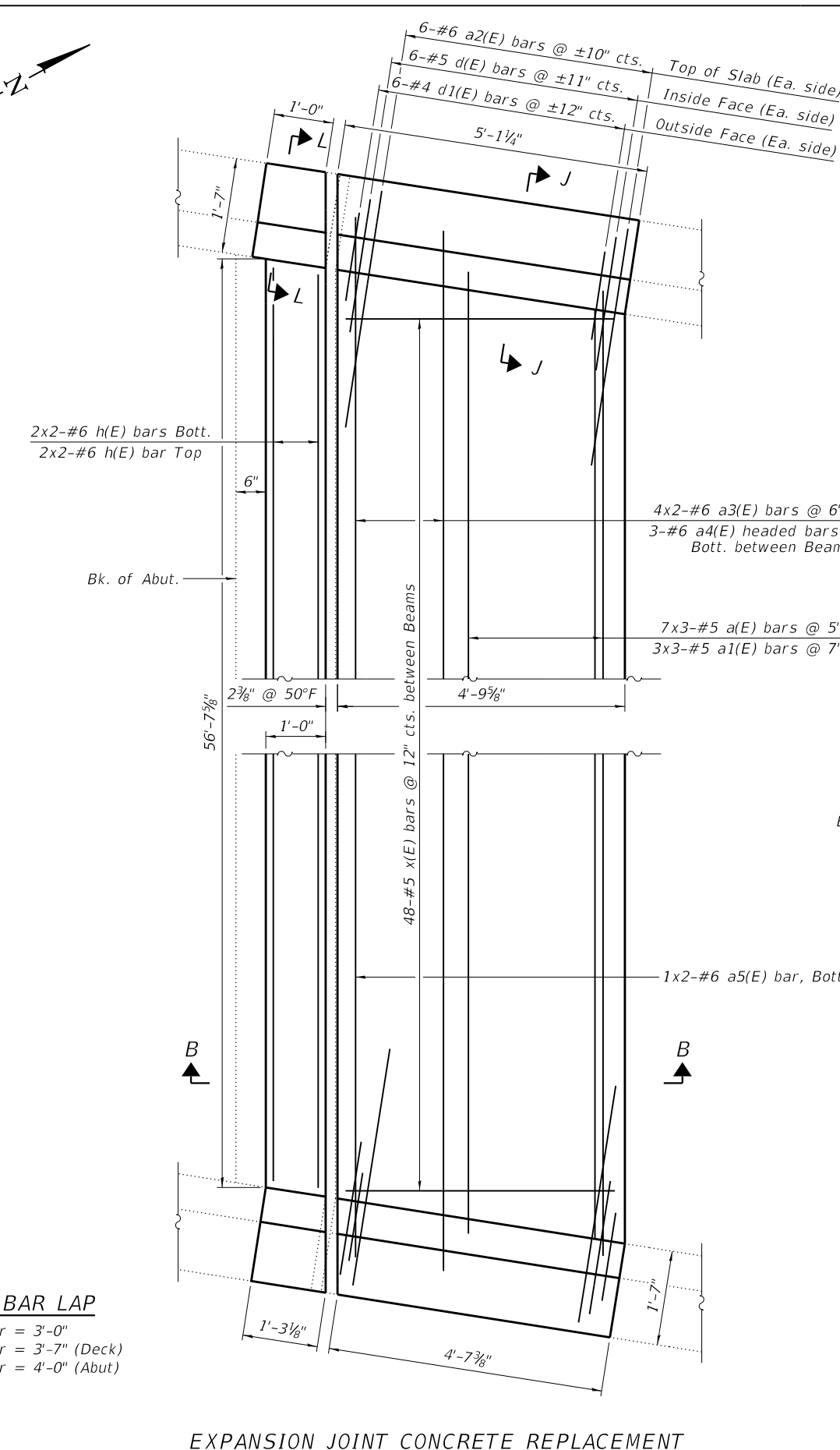
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E13	

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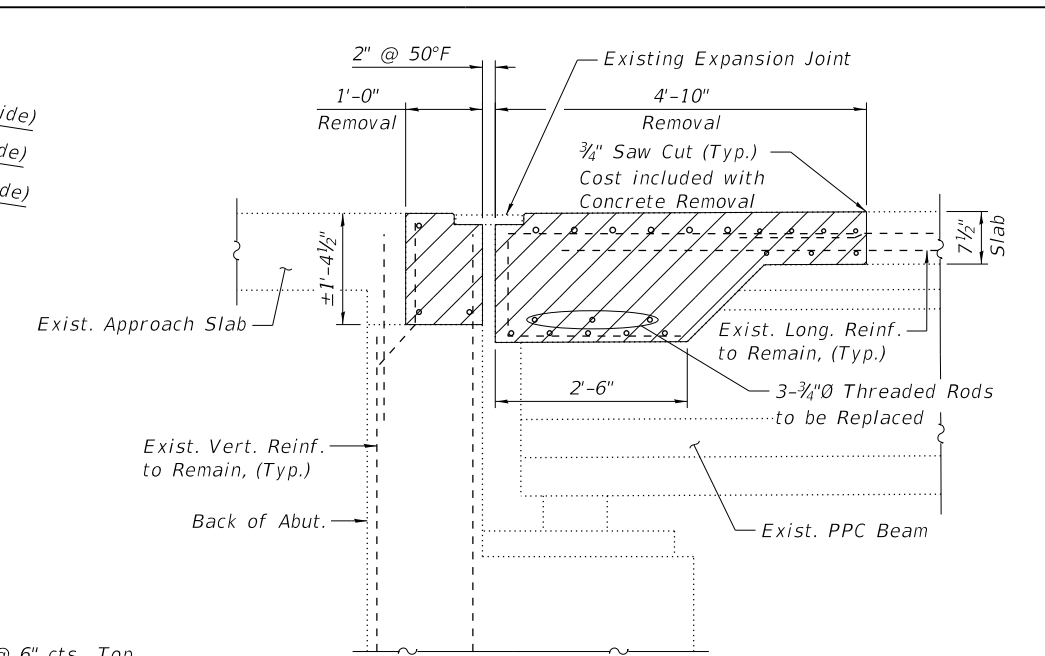


EXPANSION JOINT CONCRETE REMOVAL

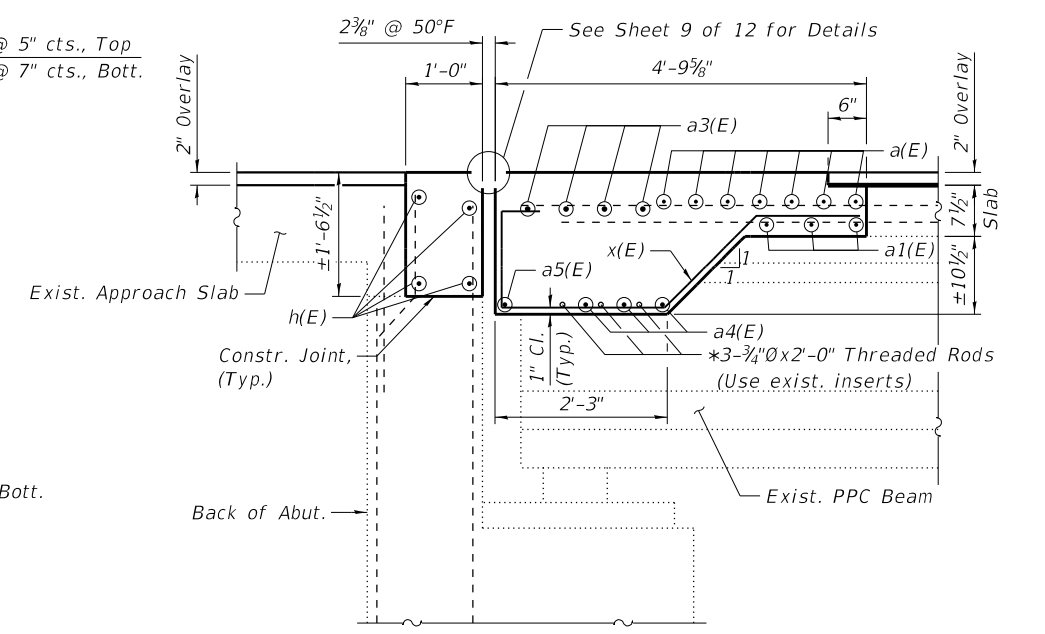
MIN. BAR LAP
 #5 Bar = 3'-0"
 #6 Bar = 3'-7" (Deck)
 #6 Bar = 4'-0" (Abut)



EXPANSION JOINT CONCRETE REPLACEMENT



SECTION A-A
 (Dim. @ Rt. L's)



SECTION B-B
 (Dim. @ Rt. L's)

LEGEND

Concrete Removal

Notes:
 See Sheet 7 of 12 for Bill of Material, Bar Diagrams, and Sections I-I, J-J, K-K, and L-L. Existing transverse and longitudinal bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line. For Overlay details see cross section on Sheet 2 of 12.

* Cost included in Concrete Superstructure



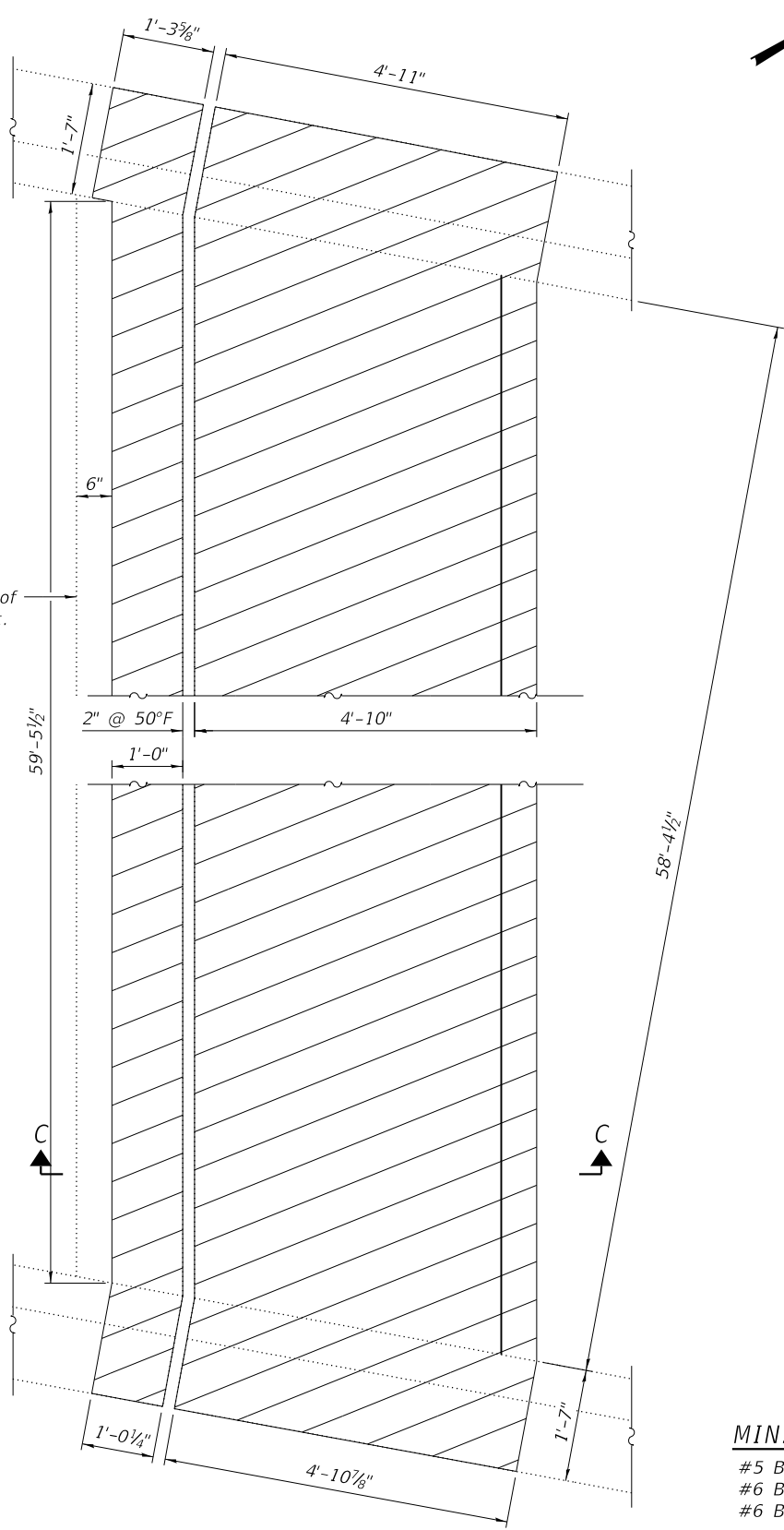
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PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT EXPANSION JOINT - SOUTHBOUND
STRUCTURE NO. 082-0238

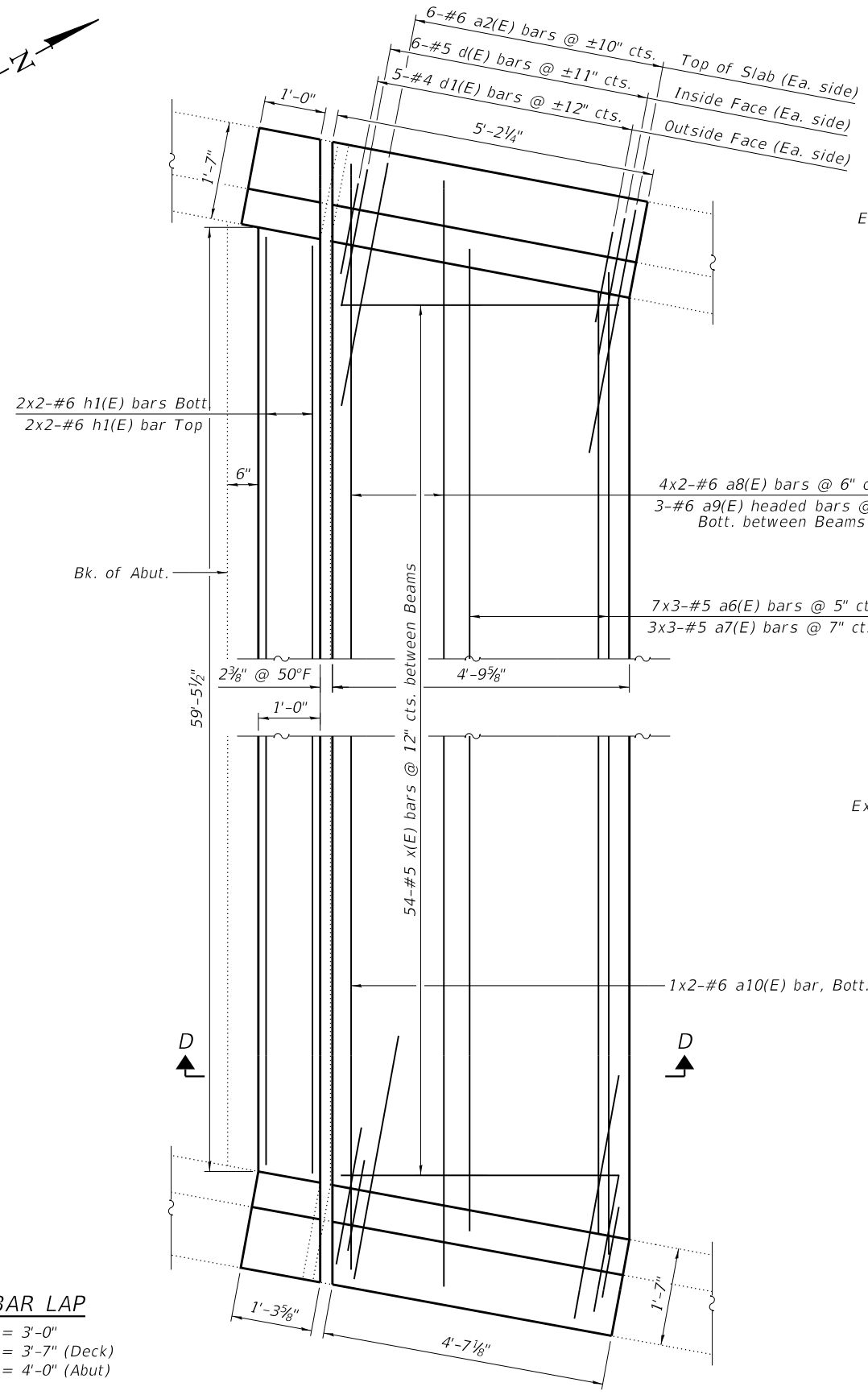
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	247
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
 FILE NAME: S:\2017\171011 Var Ph Hll DOT D8-Oates PTB 183-12WO-3\Struct Design\SN 082-02376E13-003-Joints.dgn

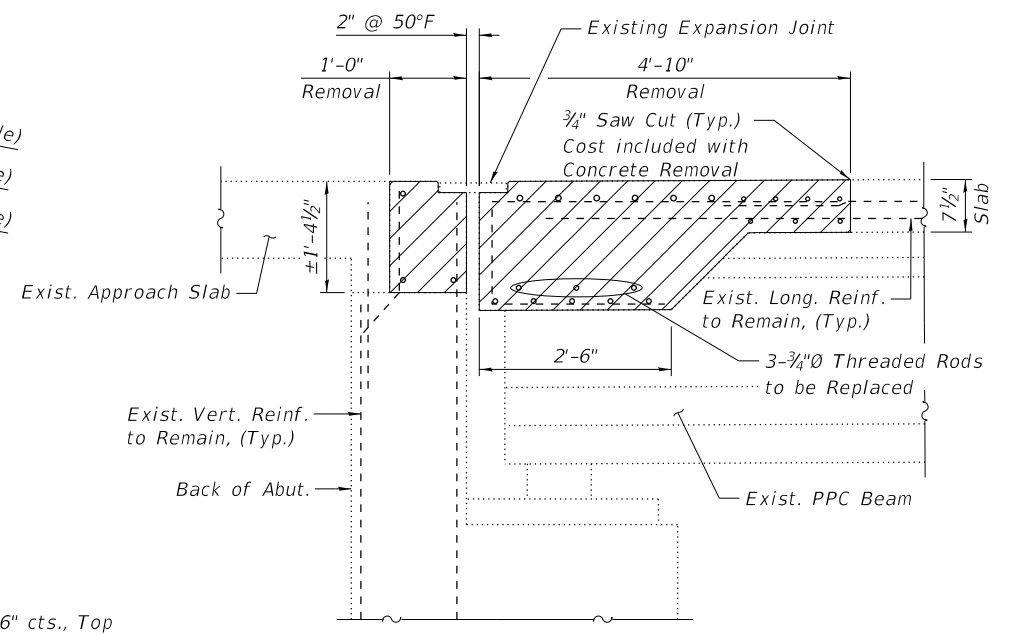


EXPANSION JOINT CONCRETE REMOVAL

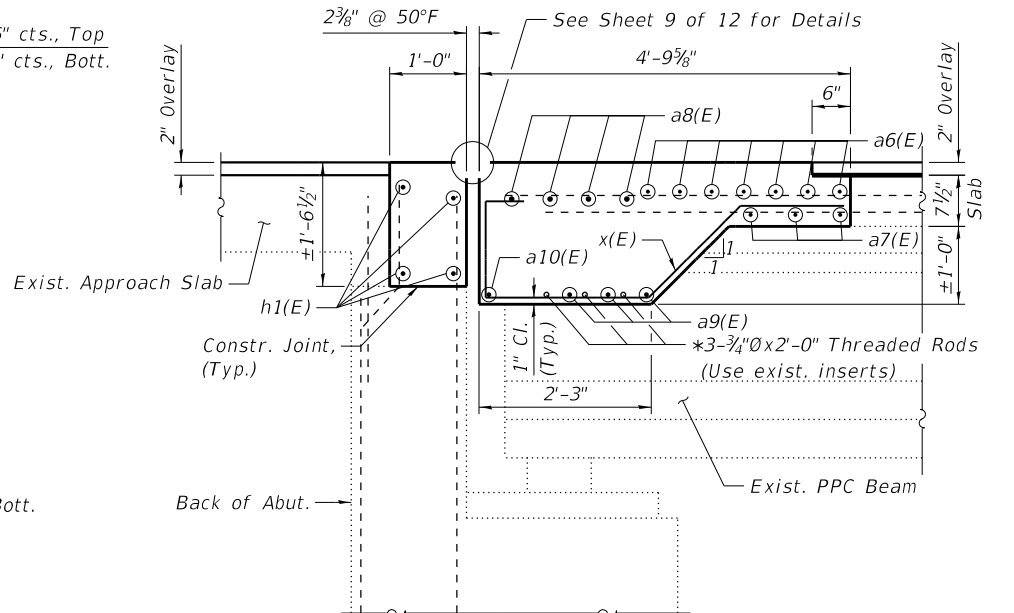
MIN. BAR LAP
 #5 Bar = 3'-0"
 #6 Bar = 3'-7" (Deck)
 #6 Bar = 4'-0" (Abut.)



EXPANSION JOINT CONCRETE REPLACEMENT



SECTION C-C
 (Dim. @ Rt. L's)



SECTION D-D
 (Dim. @ Rt. L's)

LEGEND

Concrete Removal

Notes:
 See Sheet 7 of 12 for Bill of Material and Bar Diagrams.
 Existing transverse and longitudinal bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.
 For Overlay details see cross section on Sheet 2 of 12.

* Cost included in Concrete Superstructure



USER NAME = sduakis	DESIGNED - SDY	REVISED -
0820237_0238-76E13-003-Joints.dgn	CHECKED - SCD	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

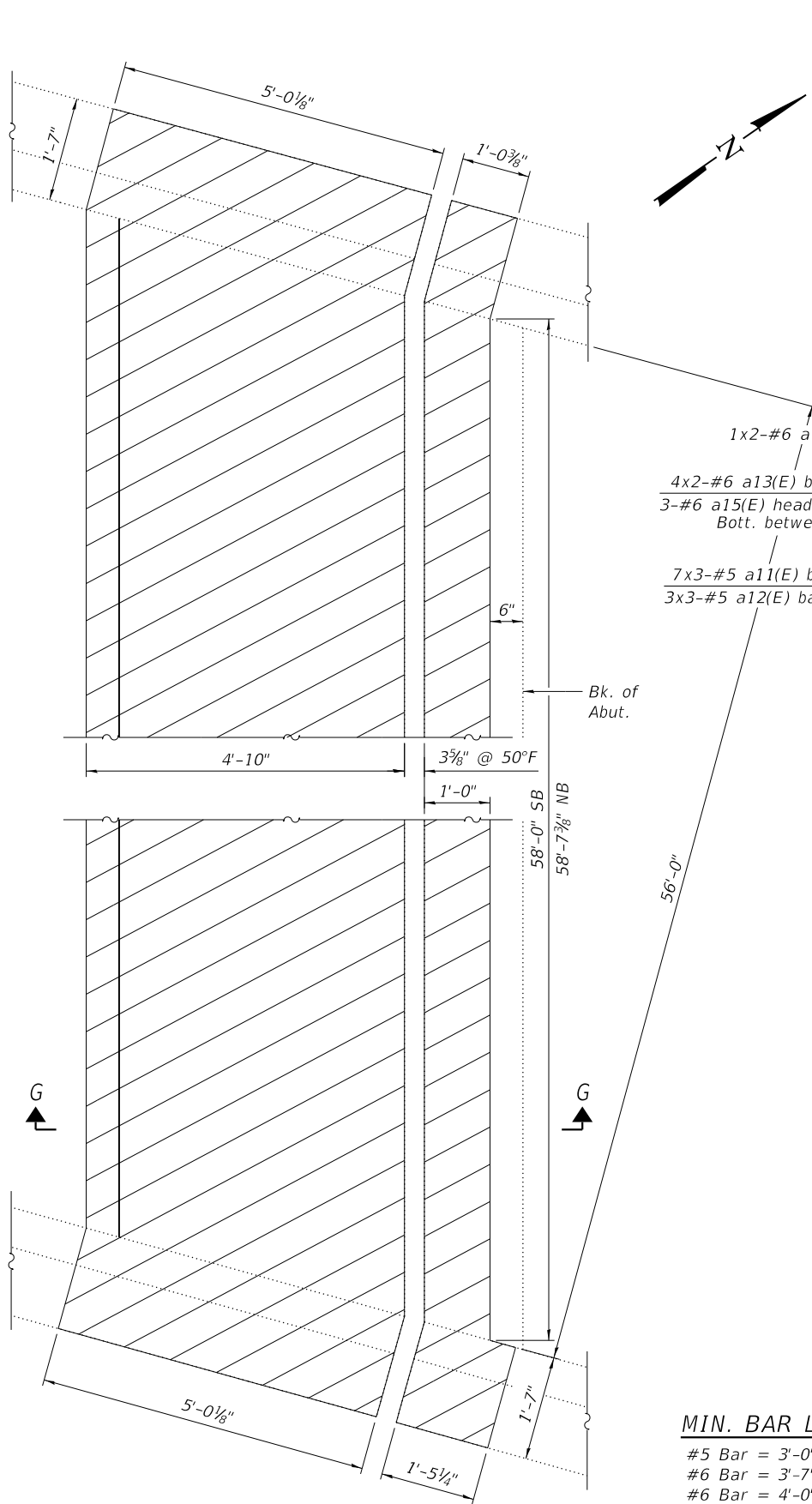
SOUTH ABUTMENT EXPANSION JOINT - NORTHBOUND
STRUCTURE NO. 082-0237

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	248
CONTRACT NO. 76E13				

SHEET 4 OF 12 SHEETS

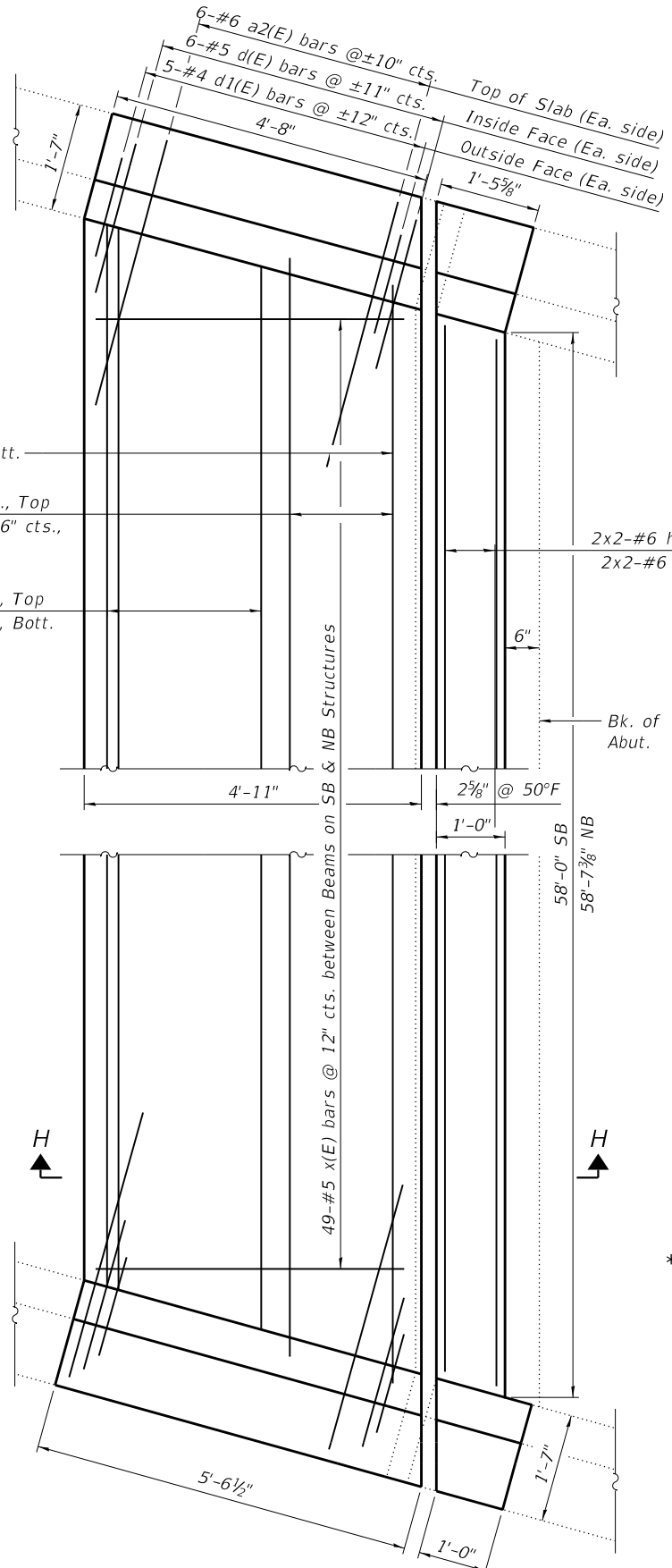
ILLINOIS FED. AID PROJECT

MODEL: \$MODELNAMES
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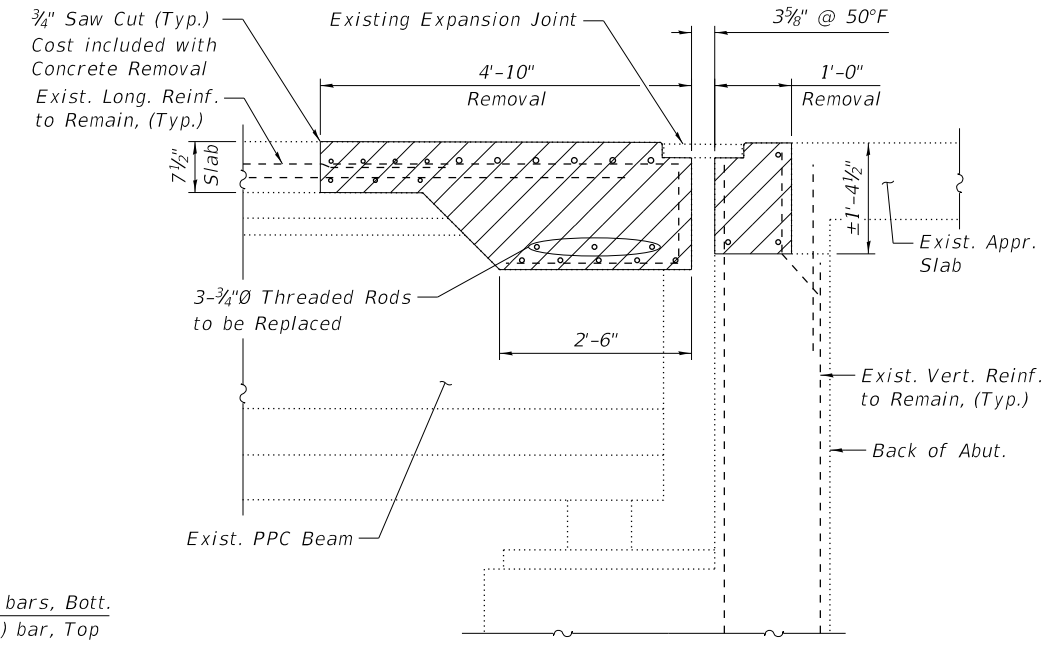


EXPANSION JOINT CONCRETE REMOVAL
 (SB Shown, NB Similar)

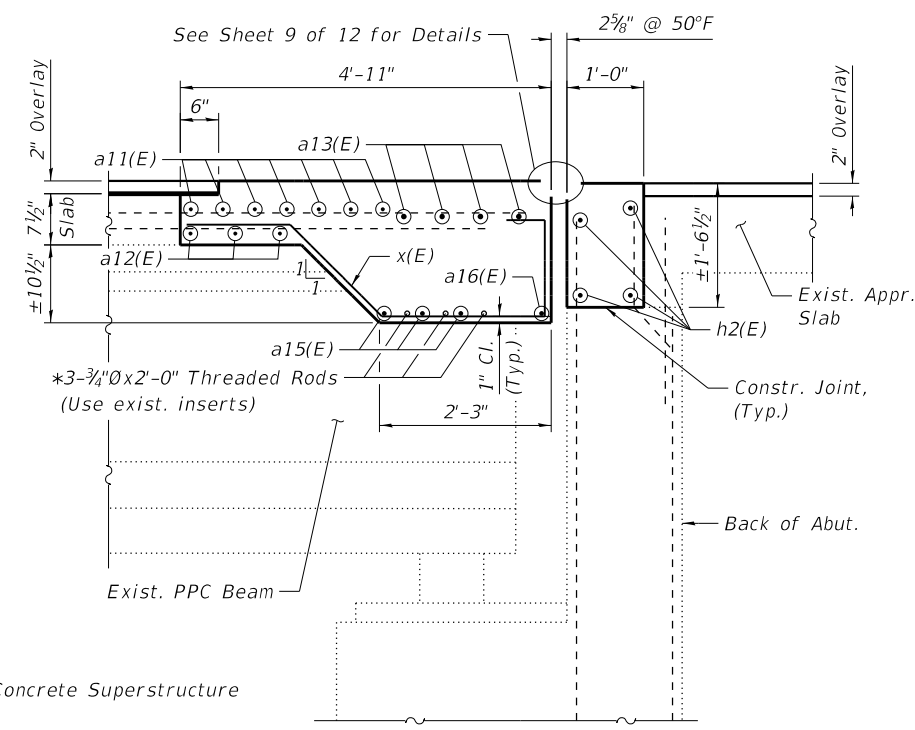
MIN. BAR LAP
 #5 Bar = 3'-0"
 #6 Bar = 3'-7" (Deck)
 #6 Bar = 4'-0" (Abut)



EXPANSION JOINT CONCRETE REPLACEMENT
 (SB Shown, NB Similar)



SECTION G-G
 (Dim. @ Rt. L's)



SECTION H-H
 (Dim. @ Rt. L's)

* Cost included in Concrete Superstructure

LEGEND

Concrete Removal

Notes:

See Sheet 7 of 12 for Bill of Material and Bar Diagrams.
 Existing transverse and longitudinal bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Bars indicated thus 1x2-#5 etc. indicates 1 line of bars with 2 lengths per line.
 For Overlay details see cross section on Sheet 2 of 12.



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PLOT DATE =	CHECKED - MDC	REVISED -

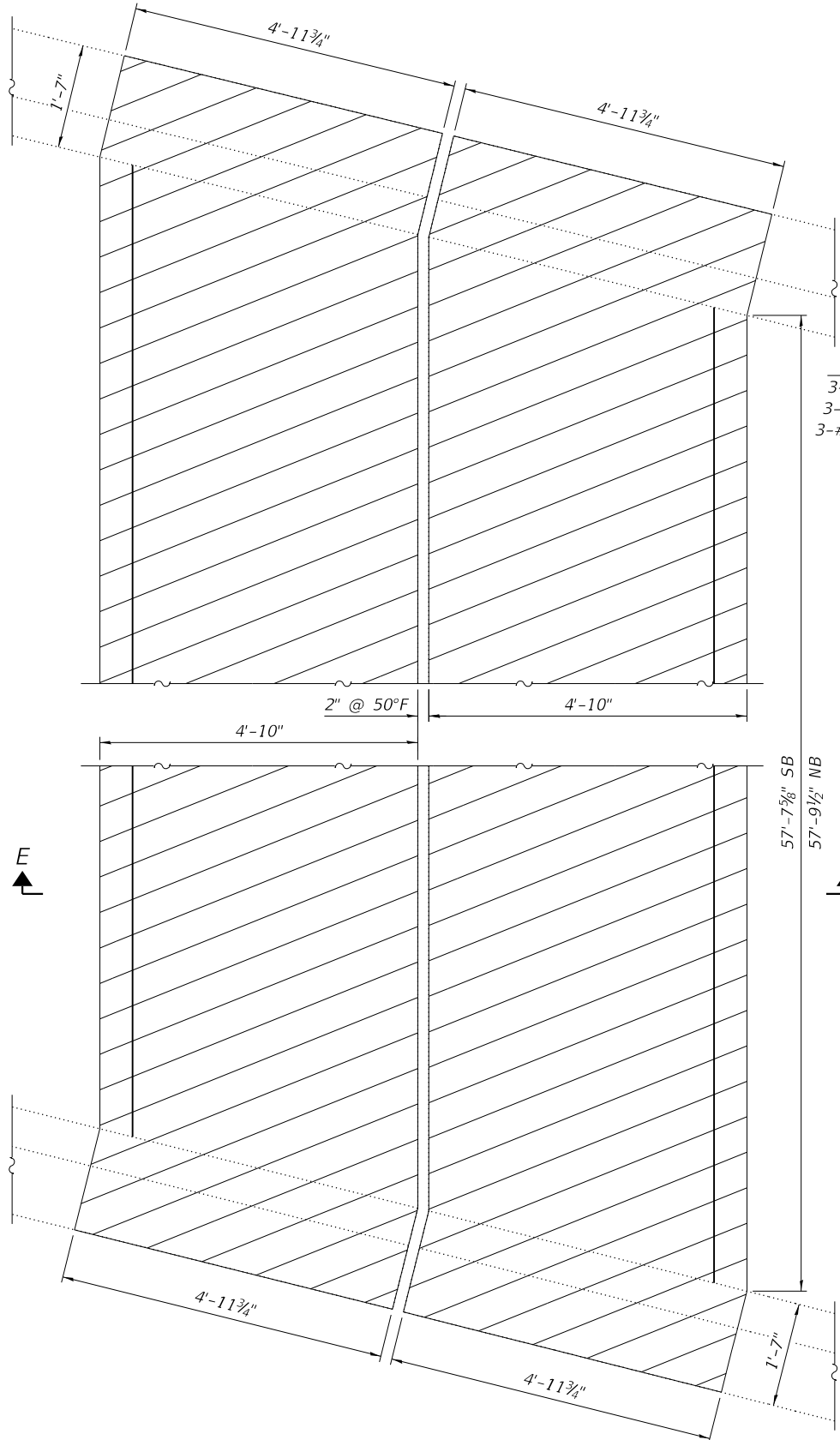
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT EXPANSION JOINT
STRUCTURE NO. 082-0237 & 082-0238

SHEET 5 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	249
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

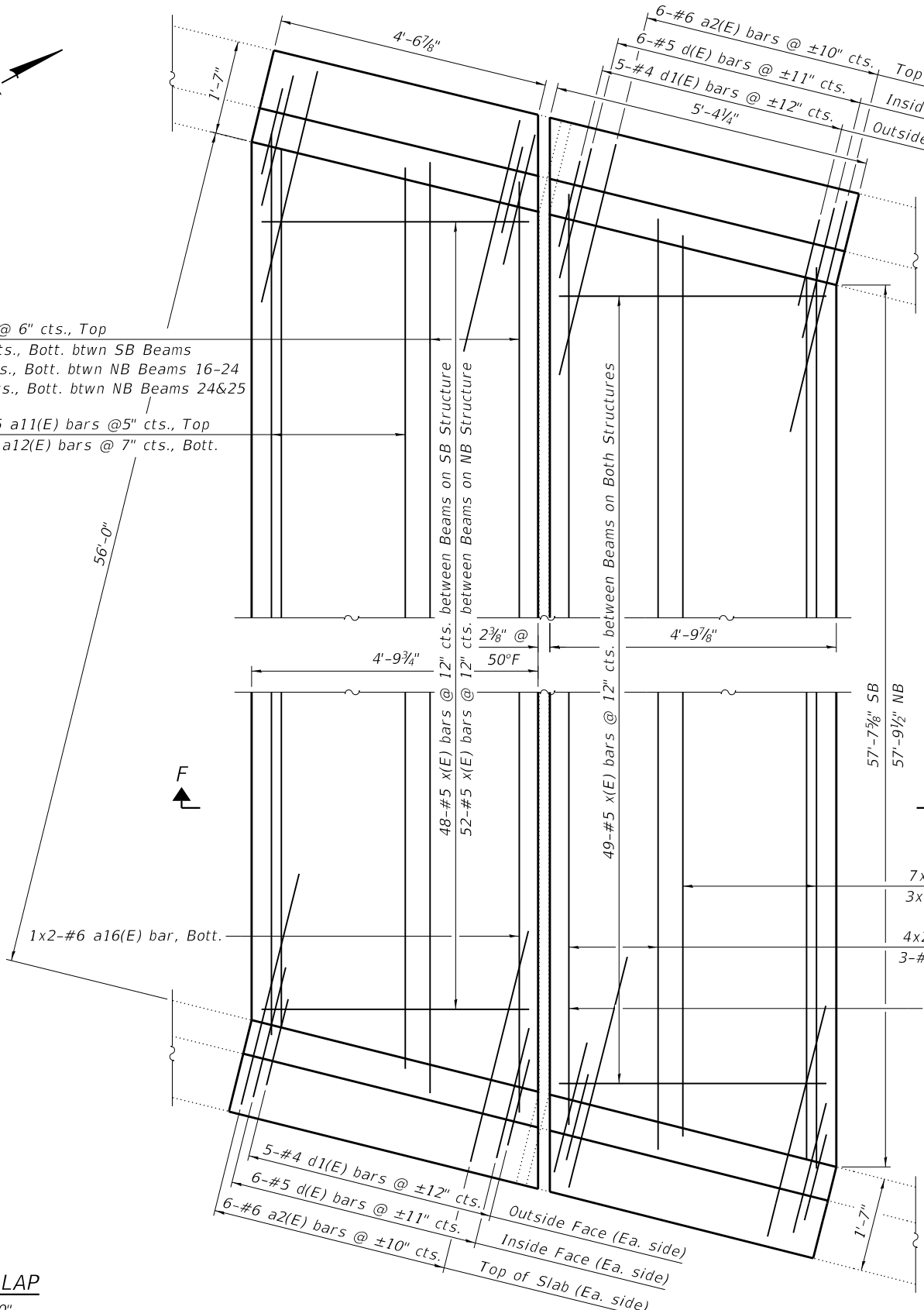
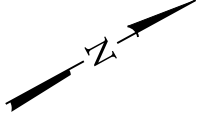
MODEL: \$MODELNAMES
 FILE NAME: SA2017171011 Var Ph H.I. DOT D8-Oates PTB 183-12WO-3Struct Design\SN 082-02376E13-003-Joints.dgn



4x2-#6 a13(E) bars @ 6" cts., Top
 3-#6 a4(E) headed bars @ 6" cts., Bott. btwn SB Beams
 3-#6 a9(E) headed bars @ 6" cts., Bott. btwn NB Beams 16-24
 3-#6 a14(E) headed bars @ 6" cts., Bott. btwn NB Beams 24&25
 7x3-#5 a11(E) bars @ 5" cts., Top
 3x3-#5 a12(E) bars @ 7" cts., Bott.

MIN. BAR LAP
 #5 Bar = 3'-0"
 #6 Bar = 3'-7" (Deck)

EXPANSION JOINT CONCRETE REMOVAL
 (SB Shown, NB Similar)



LEGEND
 Concrete Removal

Notes:
 See Sheet 7 of 12 for Bill of Material, Bar Diagrams, and Sections E-E and F-F.
 Existing transverse and longitudinal bars extending from deck into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal

EXPANSION JOINT CONCRETE REPLACEMENT
 (SB Shown, NB Similar)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 EXPANSION JOINT
STRUCTURE NO. 082-0237 & 082-0238

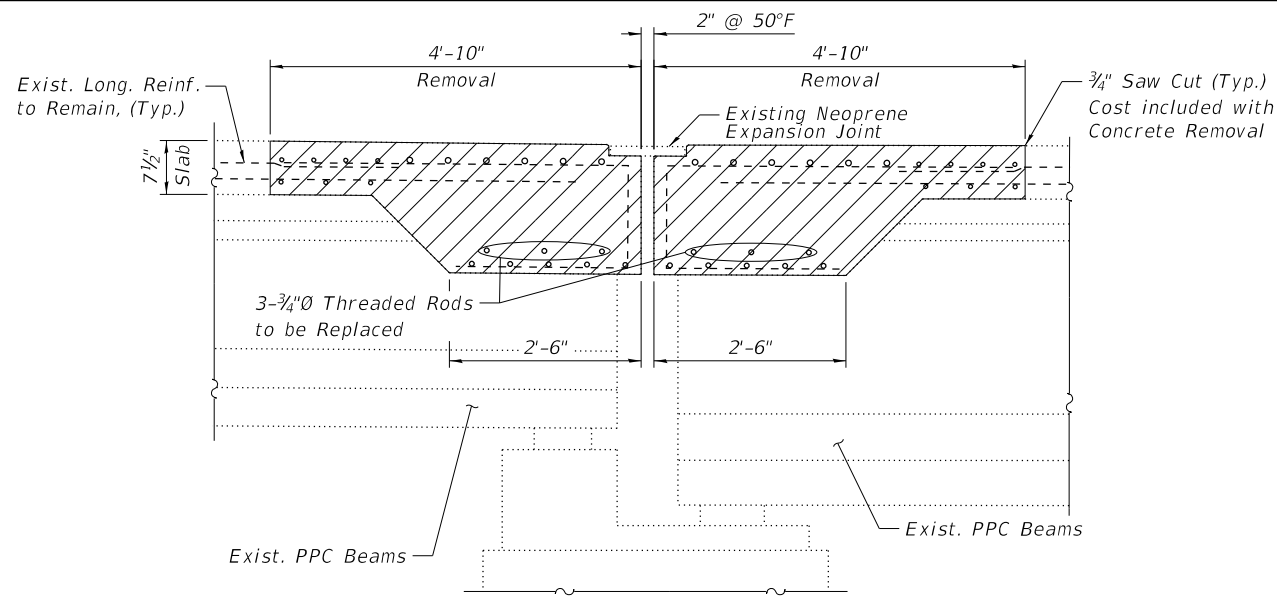
SHEET 6 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

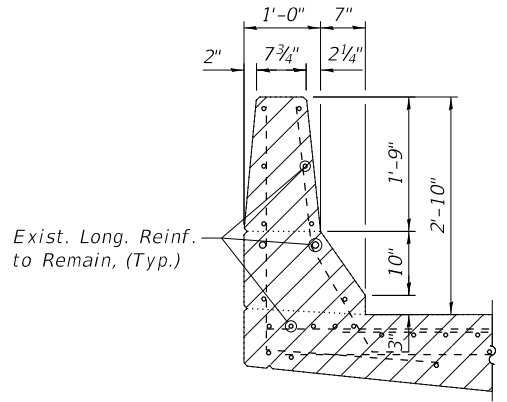


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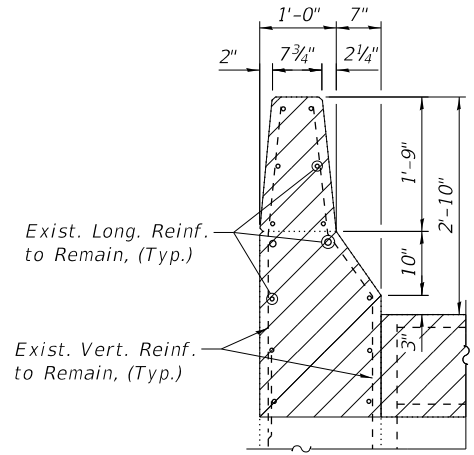
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 8/1/2019 2:14:45 PM



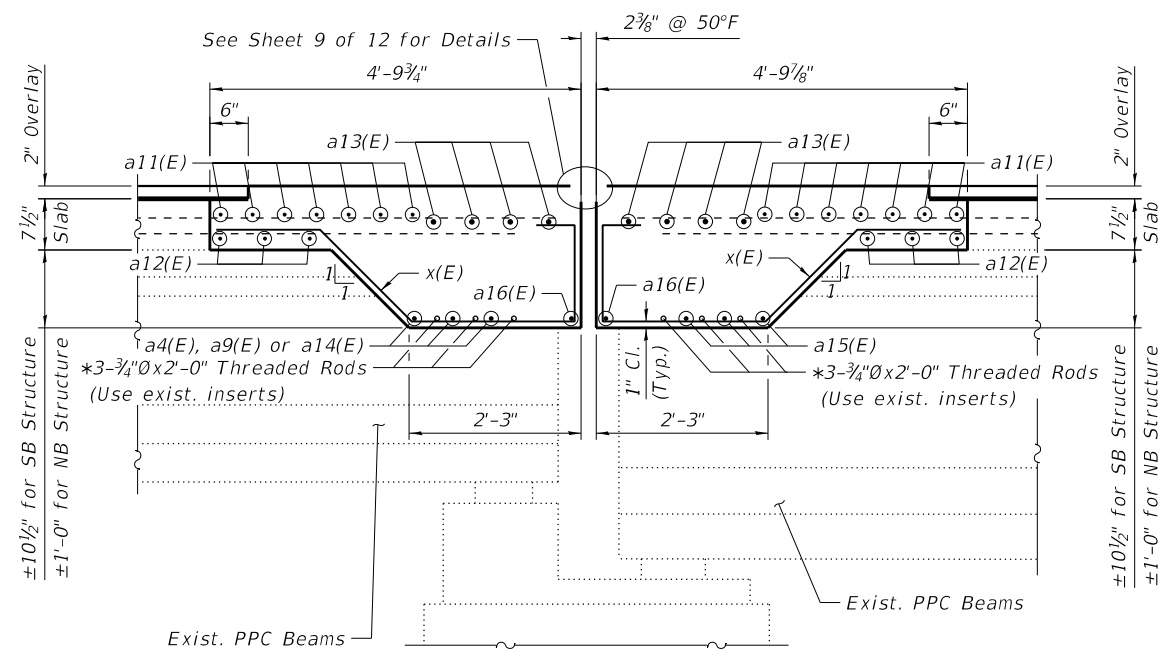
SECTION E-E
 (Dim. @ Rt. Z's)



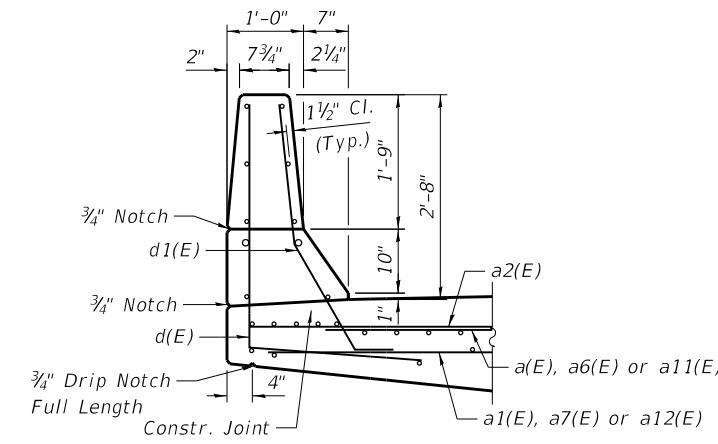
SECTION I-I
 (SB South Abut. shown, all parapet sections similar)



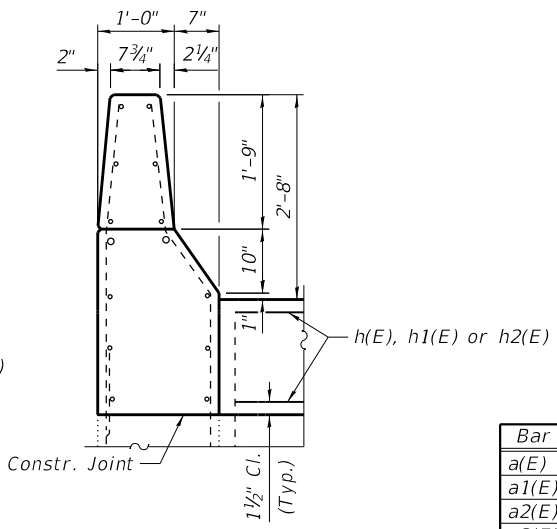
SECTION K-K
 (SB South Abut. shown, all parapet sections similar)



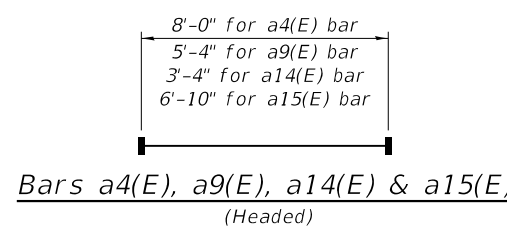
SECTION F-F
 (Dim. @ Rt. Z's)



SECTION J-J
 (SB South Abut. shown, all parapet sections similar)



SECTION L-L
 (SB South Abut. shown, all parapet sections similar)



Bars a4(E), a9(E), a14(E) & a15(E)
 (Headed)

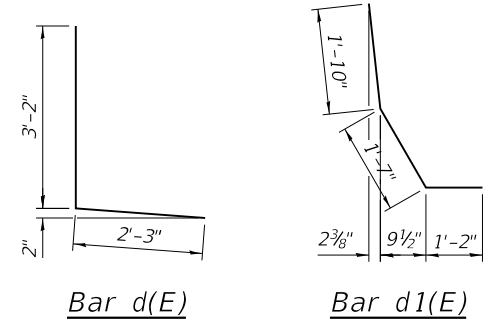
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	21	#5	21'-10"	—
a1(E)	9	#5	21'-8"	—
a2(E)	96	#6	6'-6"	—
a3(E)	8	#6	31'-7"	—
a4(E)	36	#6	8'-0"	—
a5(E)	2	#6	27'-9"	—
a6(E)	21	#5	22'-10"	—
a7(E)	9	#5	22'-7"	—
a8(E)	8	#6	33'-0"	—
a9(E)	51	#6	5'-4"	—
a10(E)	2	#6	29'-1"	—
a11(E)	126	#5	22'-6"	—
a12(E)	54	#5	22'-3"	—
a13(E)	48	#6	32'-6"	—
a14(E)	3	#6	3'-4"	—
a15(E)	84	#6	6'-10"	—
a16(E)	12	#6	28'-7"	—
d(E)	96	#5	5'-5"	L
d1(E)	82	#4	4'-7"	L
h(E)	8	#6	30'-2"	—
h1(E)	8	#6	31'-7"	—
h2(E)	16	#6	31'-2"	—
x(E)	398	#5	6'-11"	L
Concrete Removal		Cu. Yd.	119.9	
Concrete Superstructure		Cu. Yd.	141.5	
Protective Coat		Sq. Yd.	286	
Reinforcement Bars, Epoxy Coated		Pound	17,230	

LEGEND



Notes:
 See Sheet 3 of 12 for locations of Sections I-I, J-J, K-K, and L-L.
 See Sheet 6 of 12 for locations of Sections E-E and F-F.
 Existing transverse and longitudinal bars extending from deck into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 For Overlay details see cross section on Sheet 2 of 12.



Bar d(E)

Bar d1(E)

Bar x(E)



USER NAME =	sdutakis	DESIGNED -	SDY	REVISED -	
0820237_0238-76E13-003-Joints.dgn		CHECKED -	SCD	REVISED -	
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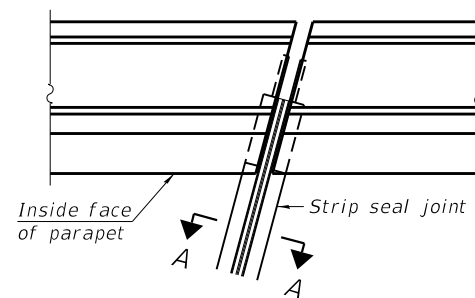
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT DETAILS
STRUCTURE NO. 082-0237 & 082-0238

SHEET 7 OF 12 SHEETS

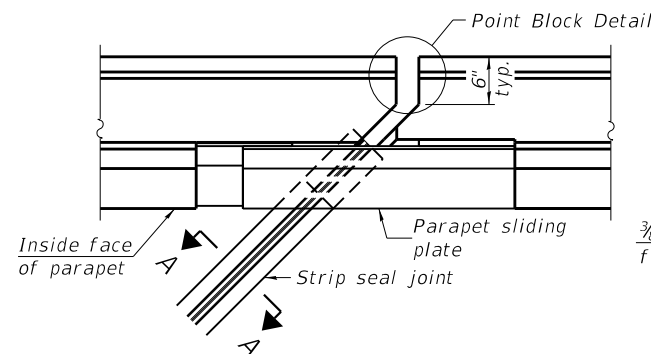
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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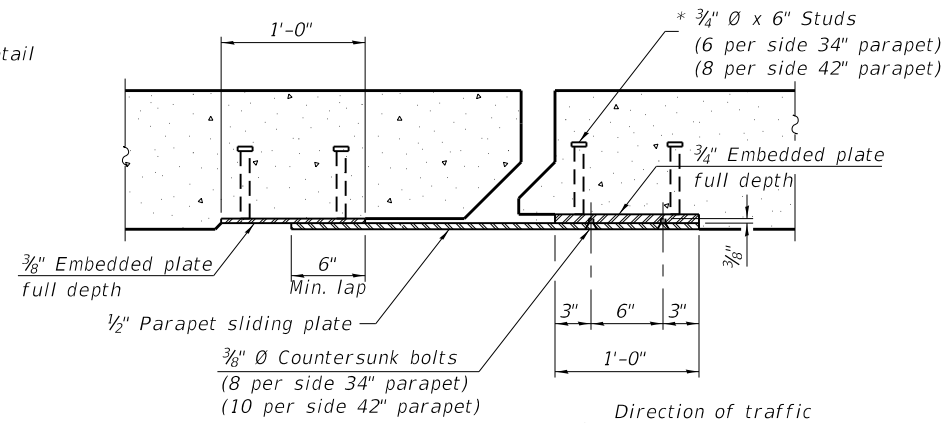


FOR SKEWS $\leq 30^\circ$

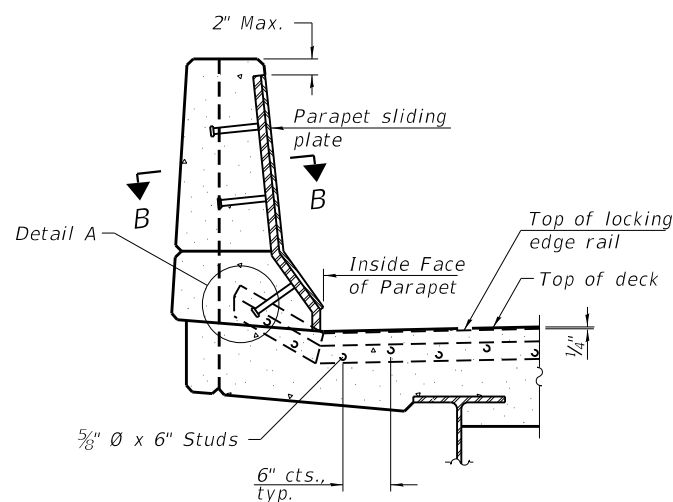
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

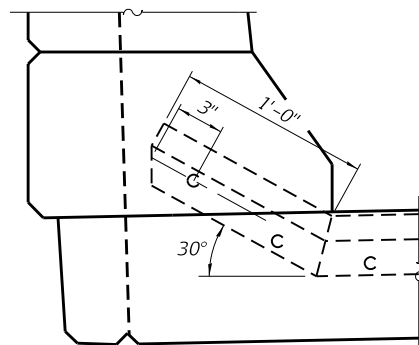


SECTION B-B

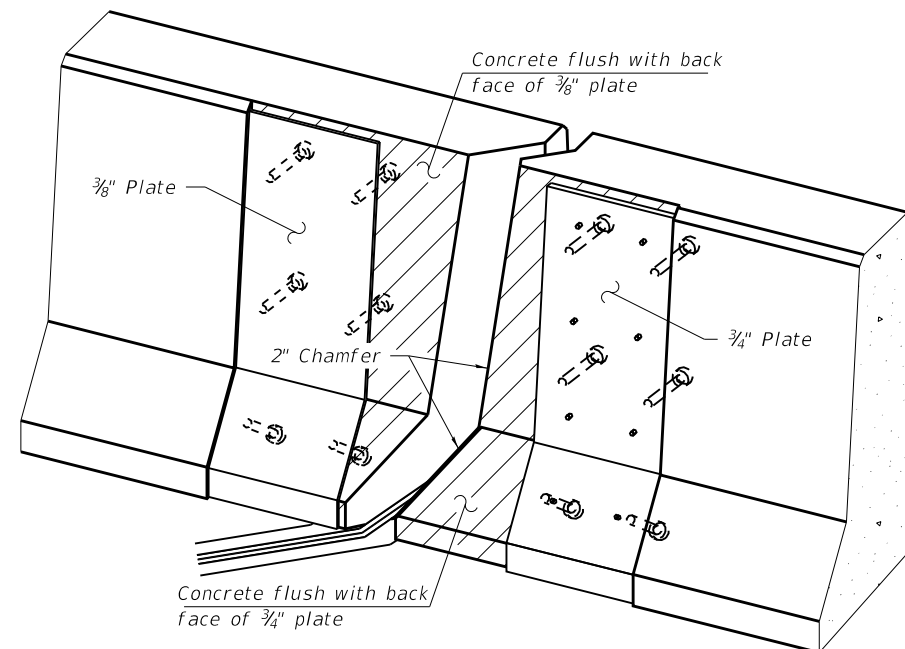


ELEVATION AT PARAPET

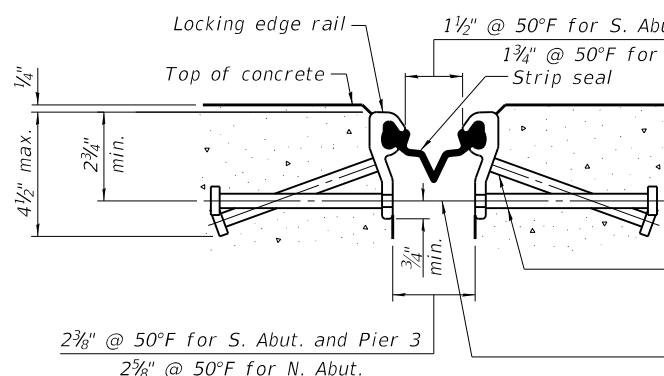
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



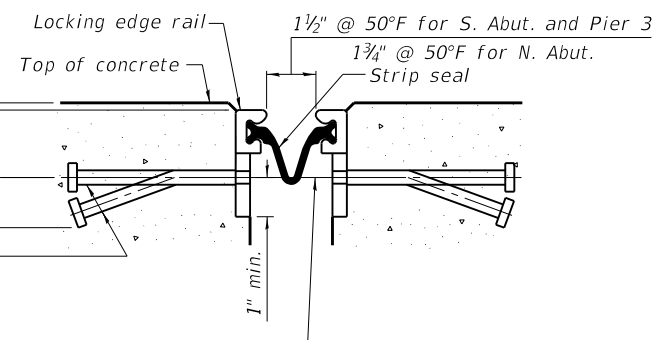
SHOWING ROLLED RAIL JOINT

* $5/8"$ ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

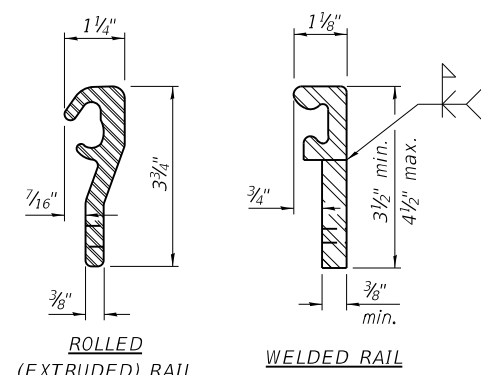
$3/8"$ ϕ threaded rods in $7/16"$ ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

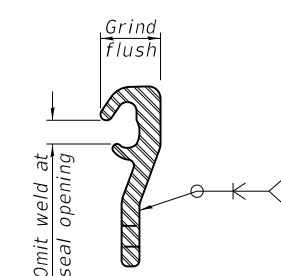


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	360

EJ-SS

8-11-17



USER NAME =	sdutakis	DESIGNED -	SDY
0820237_0238-76E13-009-Pref Joint Strip Seal.dgn		CHECKED -	SCD
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REVISD -	
REVISD -	
REVISD -	
REVISD -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 082-0237 & 082-0238

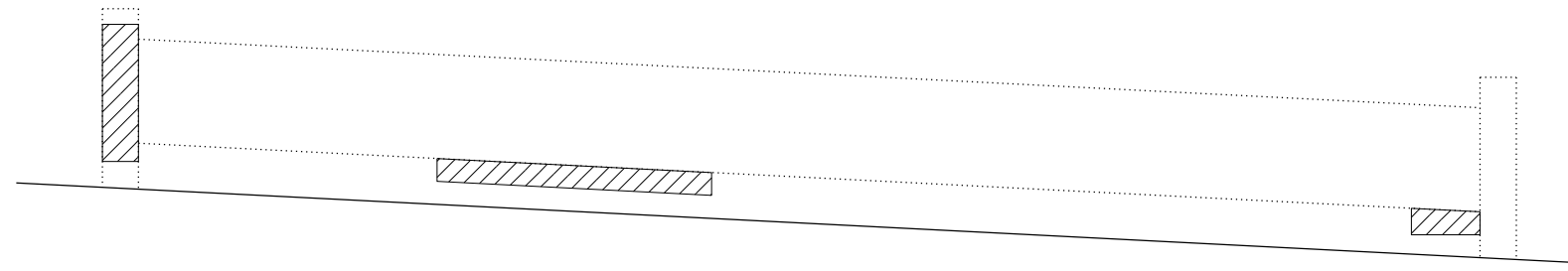
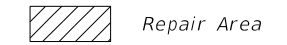
SHEET 9 OF 12 SHEETS

82-(3,2,1)RS, 60-7RS

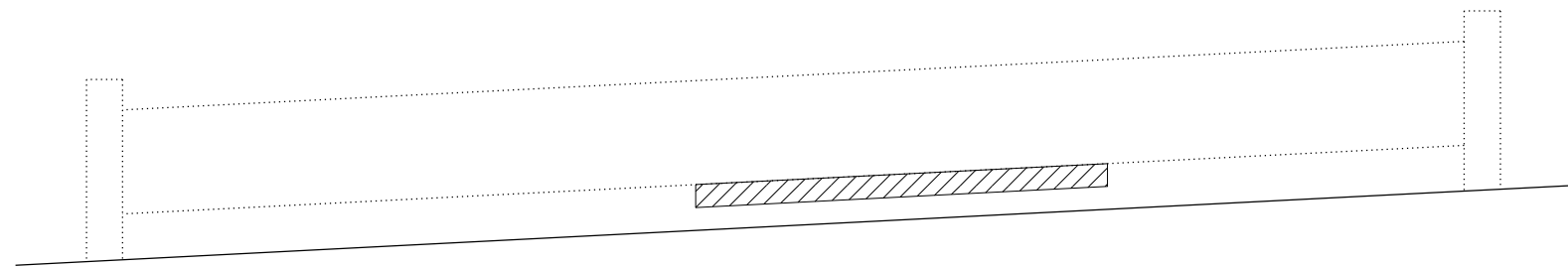
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	253
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

LEGEND



NORTH ABUTMENT NB ELEVATION
(Looking North)



SOUTH ABUTMENT NB ELEVATION
(Looking South)

Notes:
Repair areas shown are estimated. The Engineer shall show actual locations on the as-built plans.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	45

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PLOT DATE =	CHECKED - MDC	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

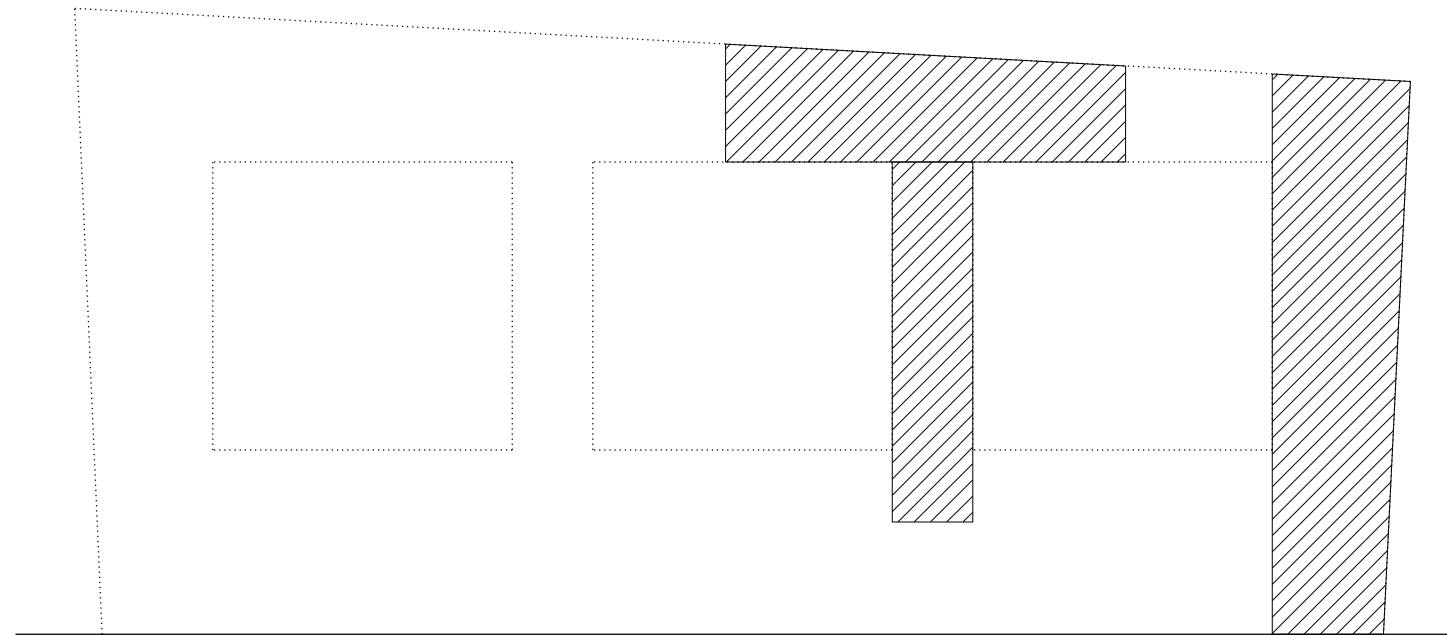
**ABUTMENT REPAIRS
STRUCTURE NO. 082-0237 & 082-0238**

SHEET 10 OF 12 SHEETS

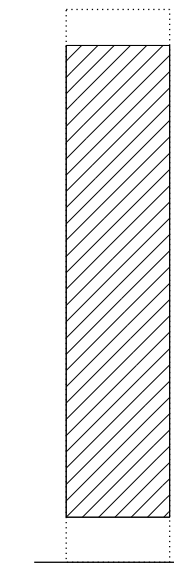
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

LEGEND

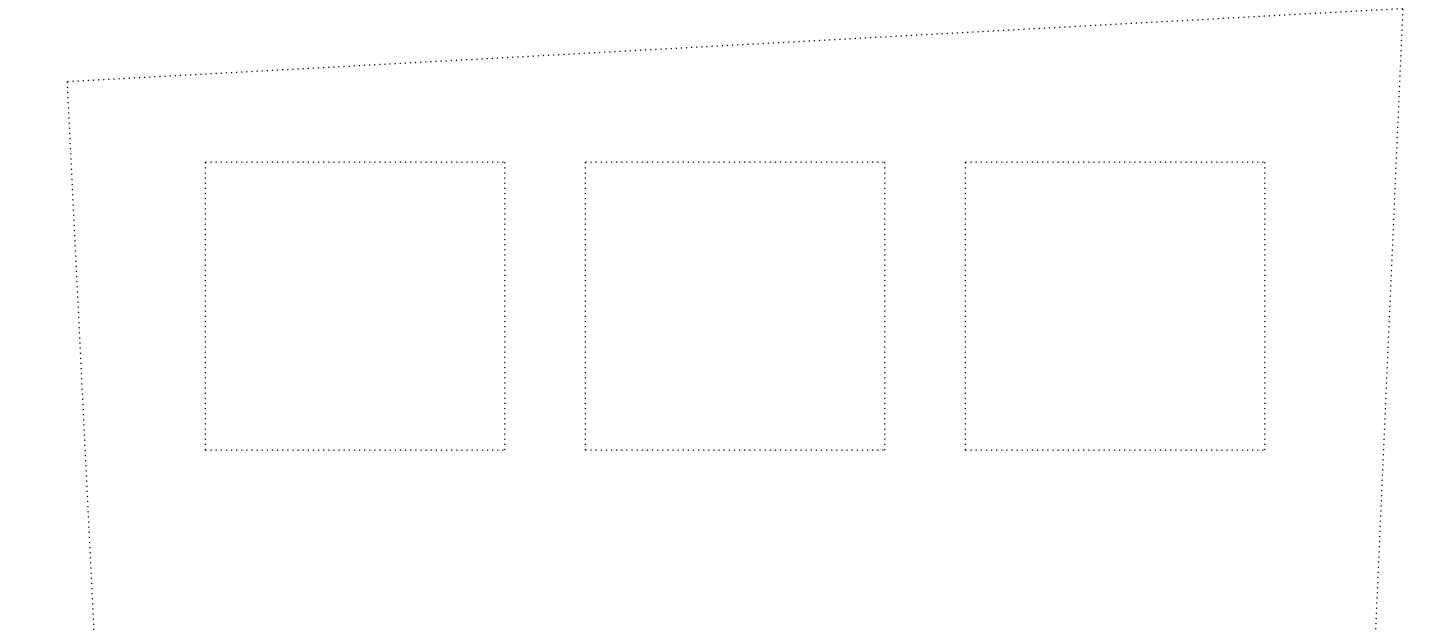
 Repair Area



PIER 3 SB ELEVATION
(North Face)



PIER 3
(East Face)



PIER 3 SB ELEVATION
(South Face)

Notes:
Repair areas shown are estimated. The Engineer shall show actual locations on the as-built plans.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	390

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

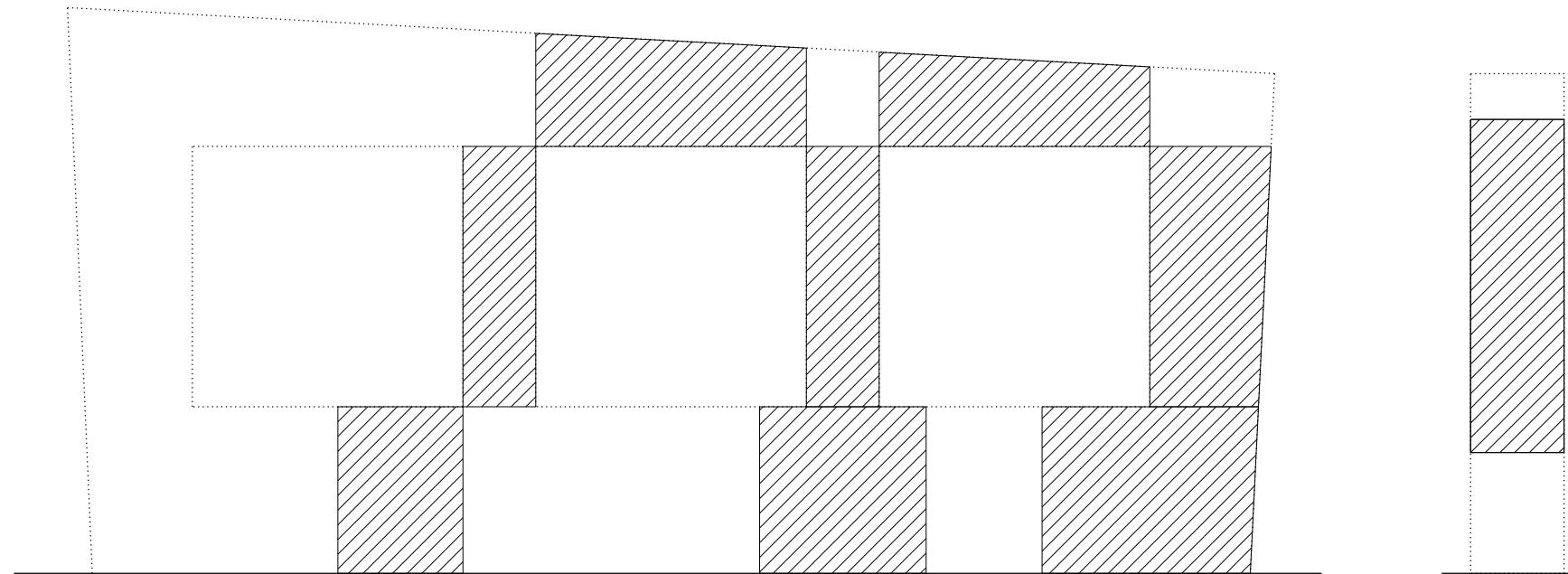
**PIER 3 REPAIRS SOUTHBOUND
STRUCTURE NO. 082-0237 & 082-0238**

SHEET 11 OF 12 SHEETS

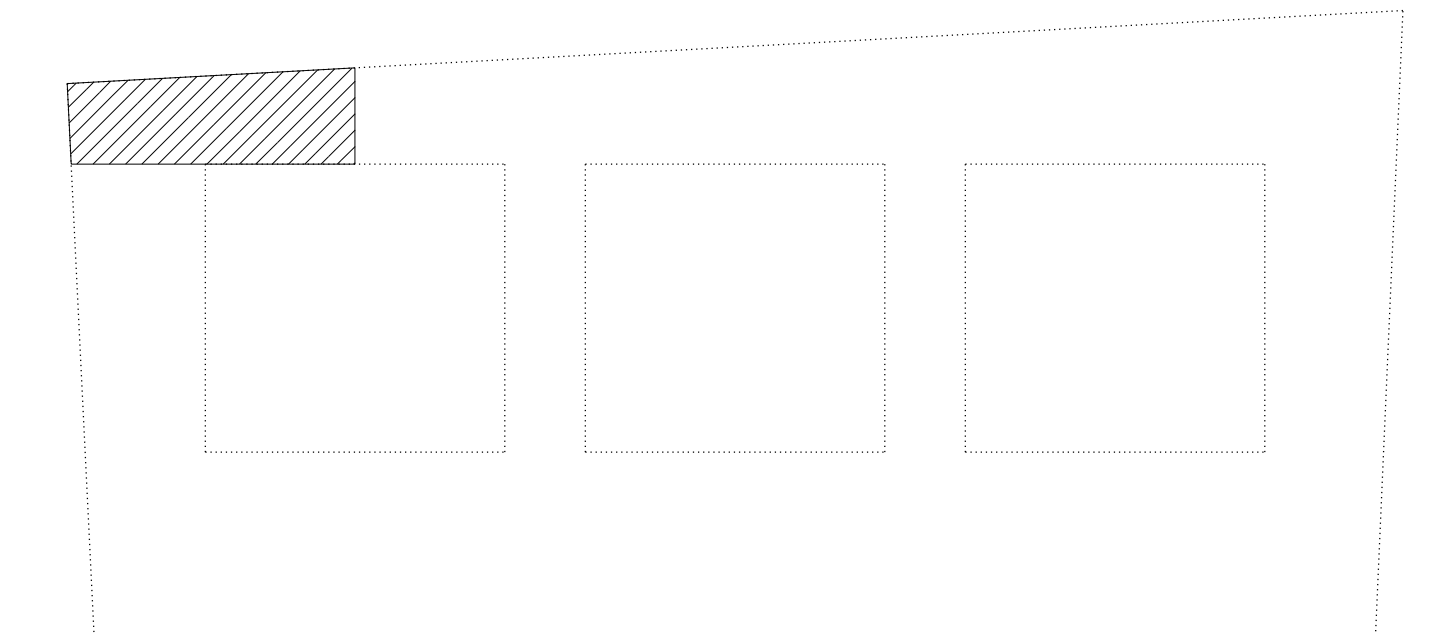
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	255
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

LEGEND

 Repair Area



PIER 3 NB ELEVATION
(North Face)



PIER 3 NB ELEVATION
(South Face)

Notes:
Repair areas shown are estimated. The Engineer shall show actual locations on the as-built plans.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	552

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PLOT DATE =	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 3 REPAIRS NORTHBOUND
STRUCTURE NO. 082-0237 & 082-0238

SHEET 12 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	256
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E13	

Existing Structure: S.N. 082-0239 & 082-0240, originally built in 1982, are three-span steel plate girder bridges with stub abutments and pile bent piers all supported by steel piles. The bridge is to have deck repairs, a bituminous overlay and repairs completed as detailed in these plans. The bridge will be closed and traffic will be maintained using marked detours during construction.

No Salvage

SCOPE OF WORK

1. Convert North Abutment to Integral Abutment
2. Repair existing wingwalls at each abutment
3. Eliminate the longitudinal deck joint on SB Bridge
4. Complete deck patching as directed by the Engineer
5. Install deck waterproofing membrane system with HMA overlay
6. Excavate soil on bridge cones and install riprap
7. Repair web deterioration on all girders at the South Abutment of both bridges
8. Paint beam ends and end diaphragms at the South Abutment of both bridges
9. Repair beam seats at Pier 2
10. Install CLSM at shoulder drain at Southwest wingwall of NB Bridge
11. Add deck drains to the SB Bridge

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Longitudinal Deck Joint Closure - SB Bridge
4. North Abutment Details - Southbound
5. North Abutment Details - Northbound
6. North Abutment Details
7. North Abutment Details
8. Wingwall Repair Details - South Abutment
9. Wingwall Repair Details - South Abutment
10. Wingwall Repair Details - North Abutment
11. Wingwall Repair Details - North Abutment
12. Wingwall Repair Details
13. Steel Beam Repairs
14. Pier Repairs
15. Drainage Scupper, DS-11

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges (Proposed)

DESIGN STRESSES

FIELD UNITS (EXISTING)

f'c = 3,500 psi (Deck & Sub)
 fy = 60,000 psi (Reinf) (Deck & Sub)
 fy = 36,000 psi (Structural)

FIELD UNITS (PROPOSED)

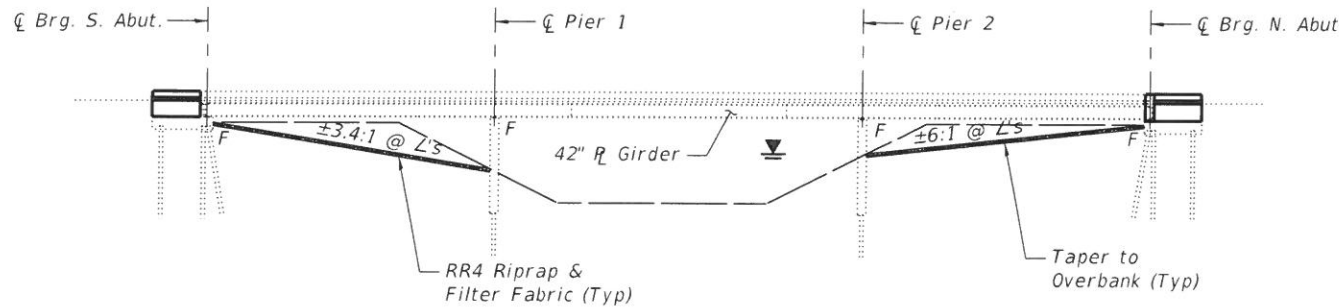
f'c = 4,000 psi (Superstructure)
 f'c = 3,500 psi (Substructure)
 fy = 60,000 psi (Reinf)
 fy = 36,000 psi (M270 Grade 36)

LOADING HS20-44 or MILITARY ALTERNATE

Existing and Proposed

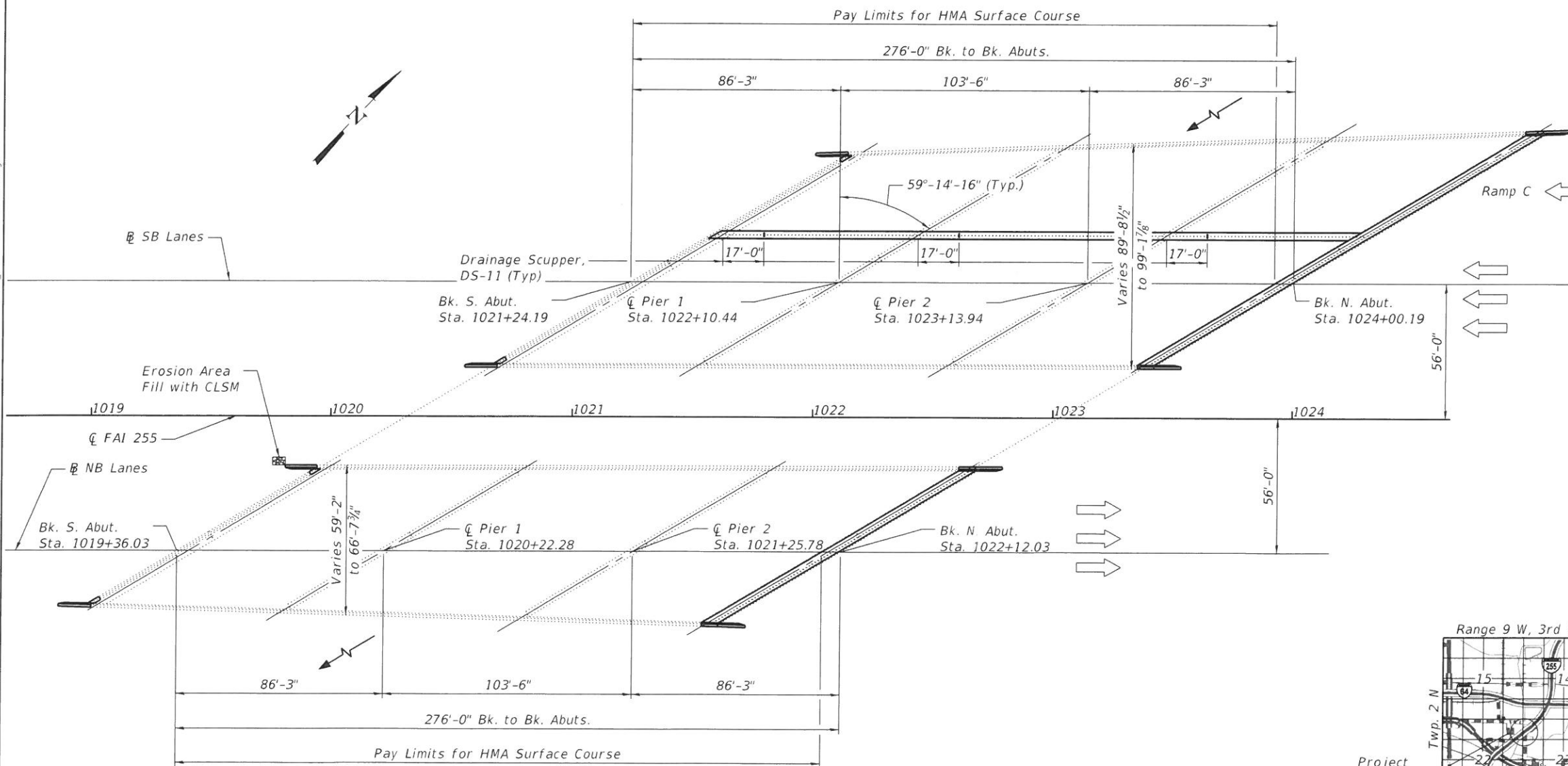


Michael Cima 8/19/19
 Michael D. Cima, Illinois S.E. 081-005984 Date
 Expires 11/30/2020

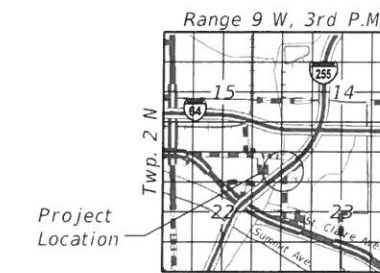


ELEVATION

CLSM - Controlled Low-Strength Material



PLAN



LOCATION SKETCH

GENERAL PLAN & ELEVATION

F.A.I. RTE. 255 OVER

HARDING DITCH

SECTION 82-(3,2)RS

ST CLAIR COUNTY

STATION 1021+58.36

STRUCTURE NO. 082-0239 (NB)

STRUCTURE NO. 082-0240 (SB)

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 STRUCTURE NO. 082-0239 & 082-0240

SHEET 1 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	257
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
Bolts 3/4 in. Ø, holes 13/16 in. Ø, unless otherwise noted.

Calculated weight of Structural Steel = 2,880 Lbs.

All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures." All structural steel located within 5 feet from expansion joints shall be cleaned per Near White Blast Cleaning SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1-0Z/E/U. The color of the final finish coat for all steel surfaces shall be Reddish Brown, Munsell No. 2.5YR, 3/4.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

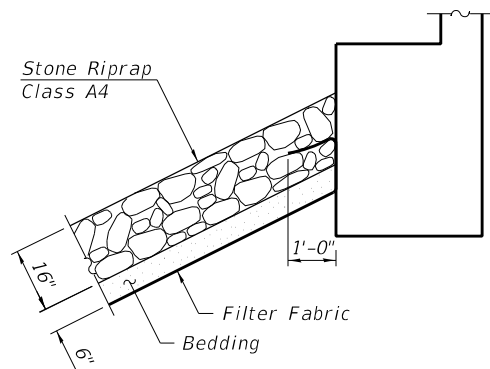
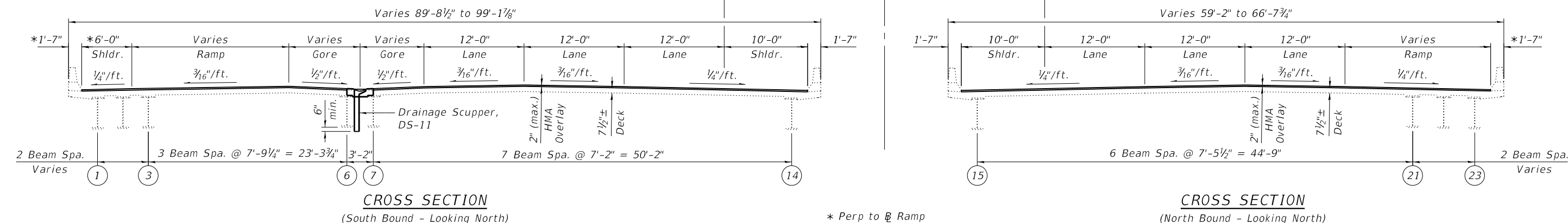
Existing Reinforcement bars extending into removal areas shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

All repair angle materials including structural steel angles, bolts, nuts, and washers shall be galvanized per special provision "Hot Dip Galvanizing for Structural Steel". Cost included in Structural Steel Repair.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". Cost included in Structural Steel Repair.

The painting contractor shall be SPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.



RIPRAP DETAIL

CONCRETE STRENGTHS FOR REPAIRS

Location	f'c (psi)
S. Abut. Backwall	3,500
S. Abut. Wingwall	3,500
N. Abut. Backwall	4,000
N. Abut. Wingwall	4,000
Parapet	4,000
Top of Parapet over wingwall	4,000
Bridge Deck	4,000
Diaphragm	4,000

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	12
Deck Slab Repair (Partial)	Sq. Yd.	34

Note:
Deck Slab Repair areas are estimated, and will be field verified and approved by the Engineer prior to starting patching.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
* Channel Excavation	Cu. Yd.		2,616	2,616
** Stone Riprap, Class A4	Sq. Yd.		2,642	2,642
Filter Fabric	Sq. Yd.		2,642	2,642
Polymerized HMA Surface Course, Mix "E" N90	Ton	378		378
Concrete Removal	Cu. Yd.	70.8	50.1	120.9
Structure Excavation	Cu. Yd.		50.2	50.2
Concrete Structures	Cu. Yd.		22.7	22.7
Concrete Superstructure	Cu. Yd.	230.0		230.0
*** Protective Coat	Sq. Yd.	135		135
Reinforcement Bars, Epoxy Coated	Pound	27,690	4,990	32,680
Waterproofing Membrane System	Sq. Yd.	4,489		4,489
**** Controlled Low-Strength Material	Cu. Yd.		3	3
Structural Steel Repair	Pound	2,880		2,880
Containment and Disposal of Lead Paint Cleaning Residue, Bridge No. 6	L Sum	1		1
Cleaning and Painting Steel Bridge No. 6	L Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residue, Bridge No. 18	L Sum	1		1
Cleaning and Painting Steel Bridge No. 18	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		328	328
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	12		12
Deck Slab Repair (Partial)	Sq. Yd.	34		34
Drainage Scupper, DS-11	Each	3		3
Longitudinal Joint Sealant	Foot	2,970		2,970

* Quantity is estimated. Contractor shall field verify.
** Place riprap on slope between abutment and pier from edge of deck to edge of deck on both structures.
*** Applied on new concrete deck, top and inside face of new parapets only.
**** Quantities are estimated. The Engineer shall determine the actual locations, and record them in the As-Built plans.

Note:
2" Overlay consists of 1/2" Waterproofing Membrane with 1 1/2" HMA surface layer.

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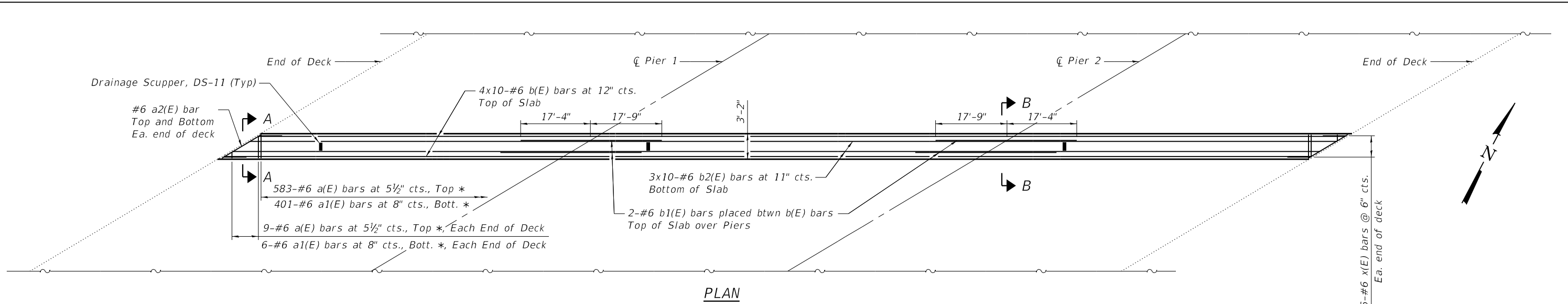
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0239 & 082-0240

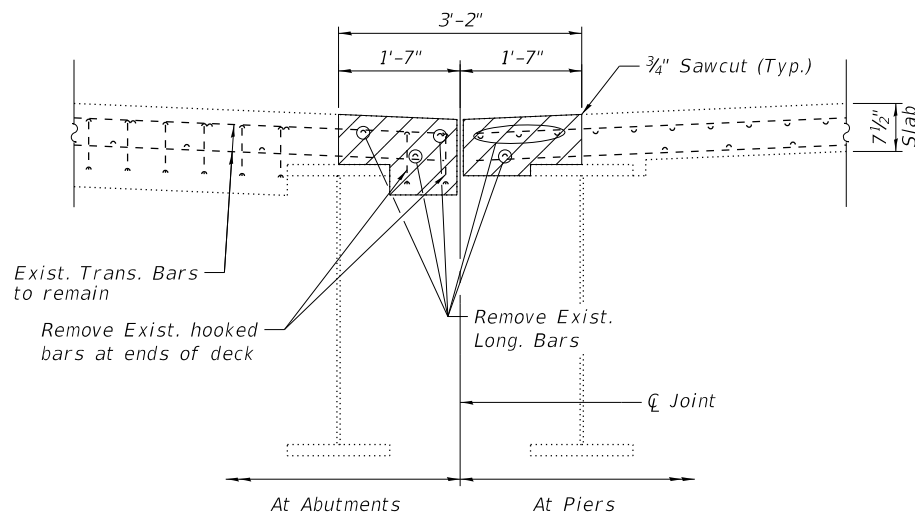
SHEET 2 OF 15 SHEETS

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CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

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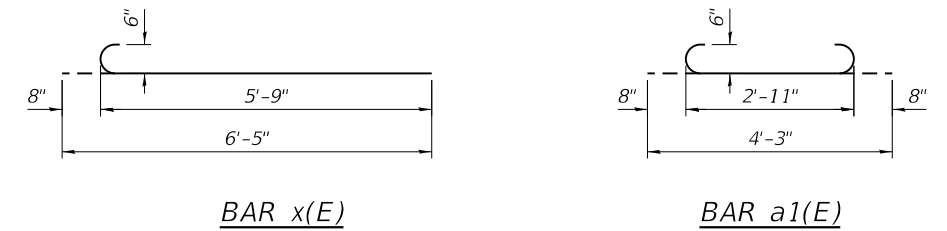
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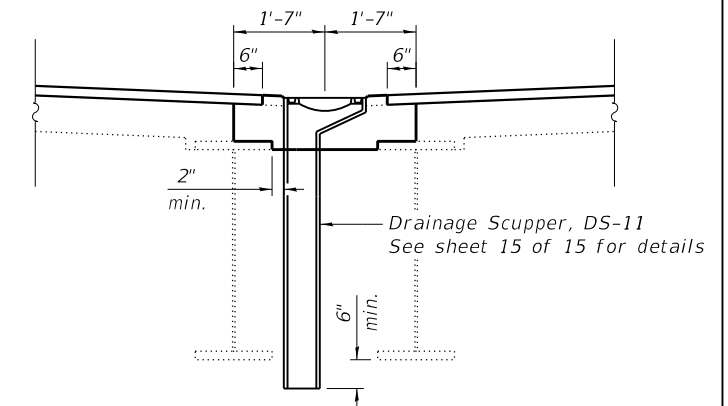
EXISTING REMOVAL SECTION
(Dim. at Rt. L's to Rdwy)

* Lap with existing bars on the east side of existing joint.

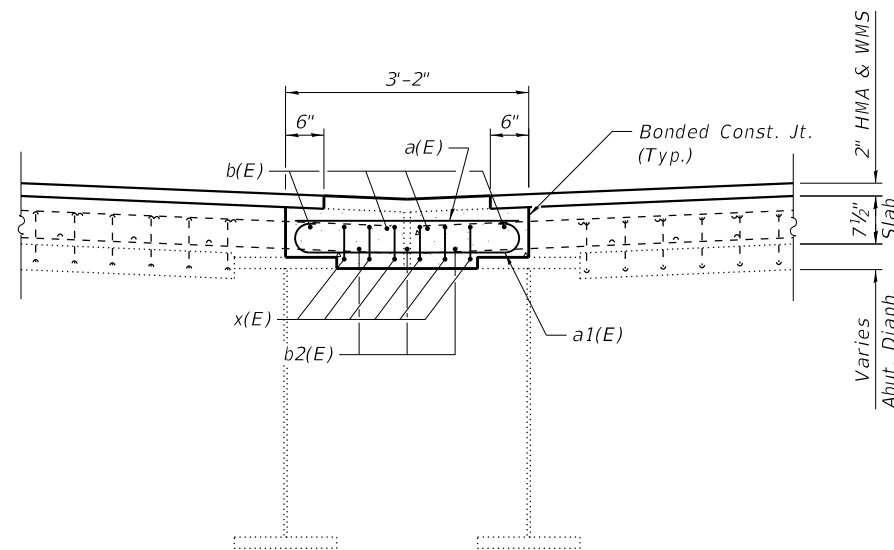
MIN. BAR LAP
#6 Bar = 3'-7"



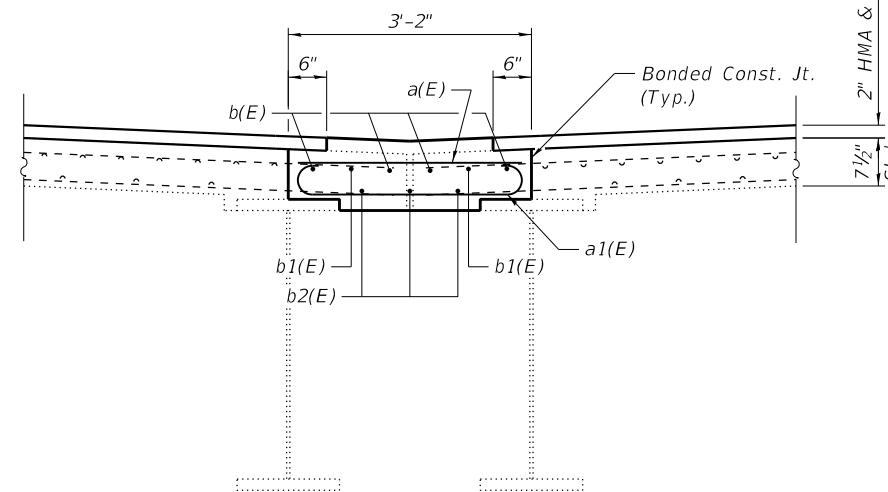
Notes:
 Existing transverse bars extending from deck into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Bars indicated thus 4x10-#6 etc. indicates 4 line of bars with 10 lengths per line.
 For Overlay details see Cross section on Sheet 2 of 15.
 Cut longitudinal reinforcement to clear drainage scuppers.



DRAINAGE SCUPPER DETAIL



SECTION A-A
(Dim. at Rt. L's to Rdwy)



SECTION B-B
(Dim. at Rt. L's to Rdwy)

LEGEND

Concrete Removal

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	601	#6	2'-11"	—
a1(E)	413	#6	4'-3"	U
a2(E)	4	#6	5'-8"	—
b(E)	40	#6	30'-4"	—
b1(E)	4	#6	35'-1"	—
b2(E)	30	#6	30'-4"	—
x(E)	12	#6	6'-5"	U
Concrete Removal			Cu. Yd.	27.1
Concrete Superstructure			Cu. Yd.	32.5
Reinforcement Bars, Epoxy Coated			Pound	8,820



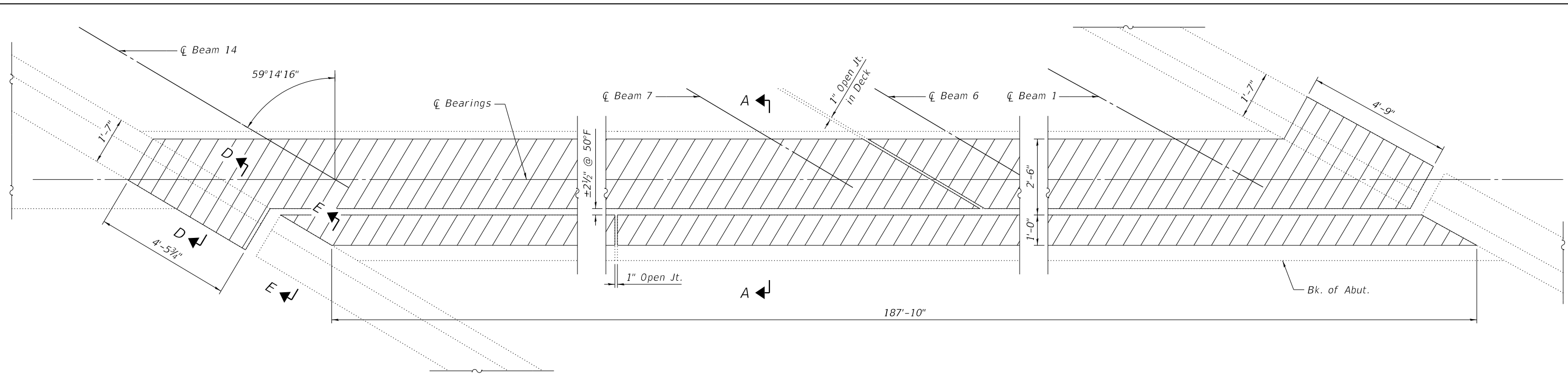
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGITUDINAL DECK JOINT CLOSURE - SB BRIDGE
STRUCTURE NO. 082-0240**

SHEET 3 OF 15 SHEETS

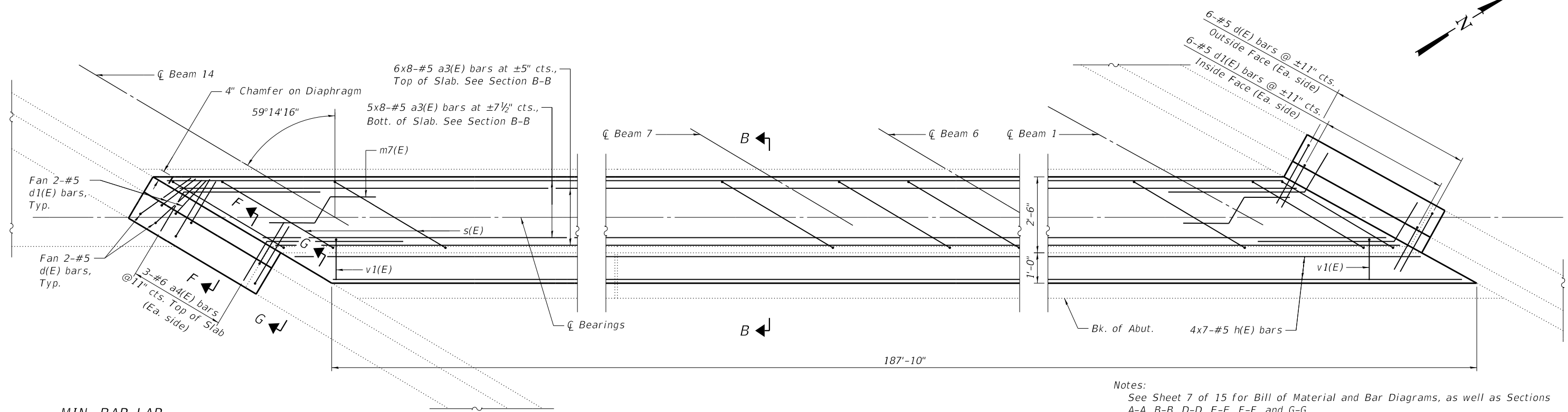
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CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	



CONCRETE REMOVAL PLAN - DECK
(North Abutment - SB)

LEGEND

Concrete Removal



CONCRETE REPLACEMENT PLAN - DECK
(North Abutment - SB)

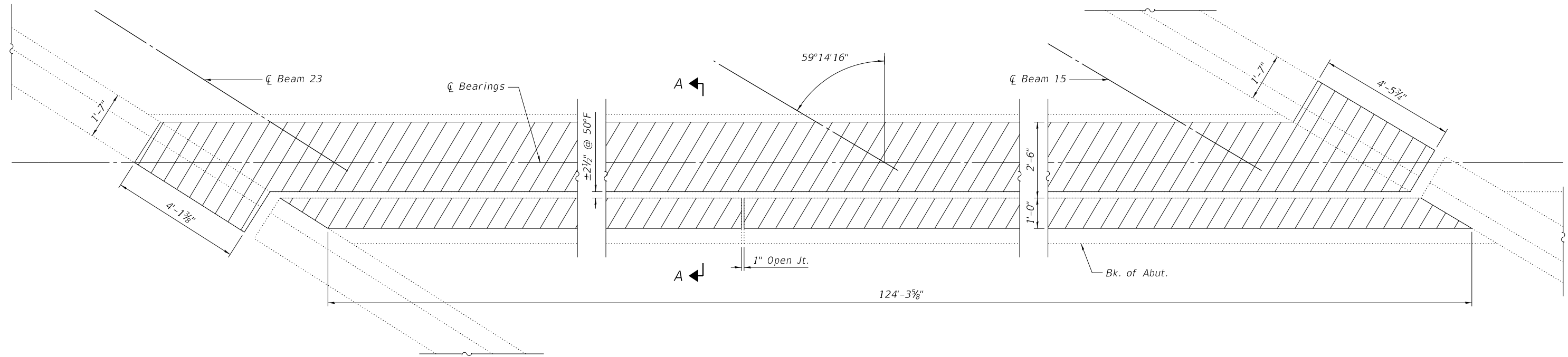
MIN. BAR LAP
#5 Bar = 3'-0"

Notes:
See Sheet 7 of 15 for Bill of Material and Bar Diagrams, as well as Sections A-A, B-B, D-D, E-E, F-F, and G-G.
Existing transverse bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
The s(E) bars shall be placed parallel to the beams. Spacing for these bars will be at right angles to the beams.
Bars indicated thus 4x5-#5 etc. indicates 4 line of bars with 5 lengths per line.
For Overlay details see Cross Section on Sheet 2 of 15.

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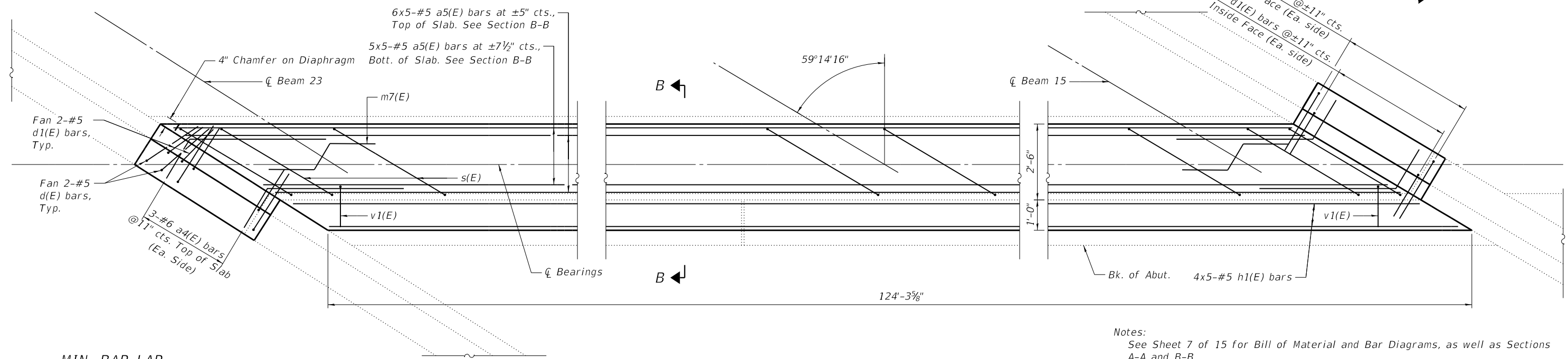
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255	82-(3,2)RS	ST. CLAIR	280	260
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



CONCRETE REMOVAL PLAN - DECK
(North Abutment - NB)

LEGEND

Concrete Removal



CONCRETE REPLACEMENT PLAN - DECK
(North Abutment - NB)

MIN. BAR LAP
#5 Bar = 3'-0"

Notes:
See Sheet 7 of 15 for Bill of Material and Bar Diagrams, as well as Sections A-A and B-B.
Existing transverse bars extending from deck into removal area and existing vertical bars extending into hatchblock shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
The s(E) bars shall be placed parallel to the beams. Spacing for these bars will be at right angles to the beams.
Bars indicated thus 4x5-#5 etc. indicates 4 line of bars with 5 lengths per line.
For Overlay details see Cross Section on Sheet 2 of 15.

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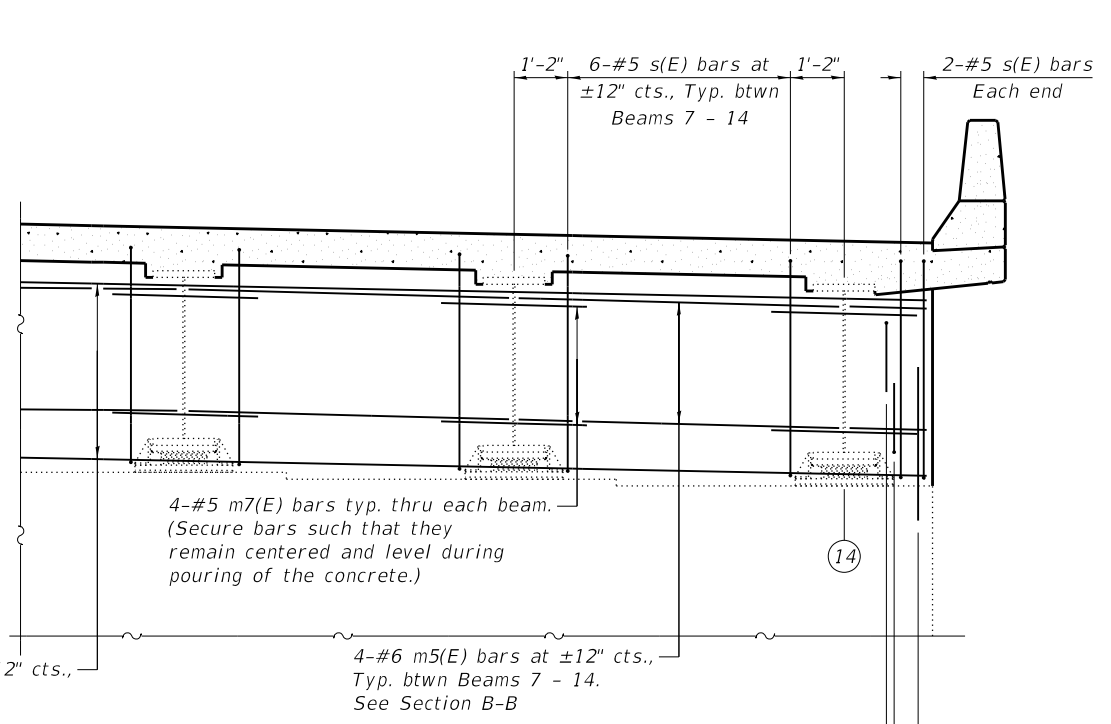
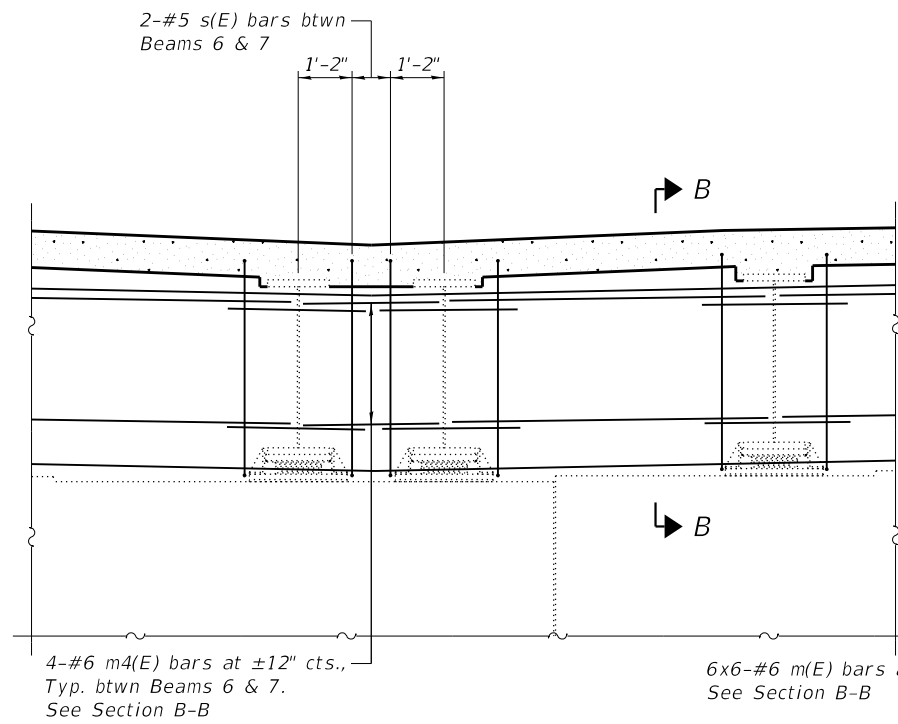
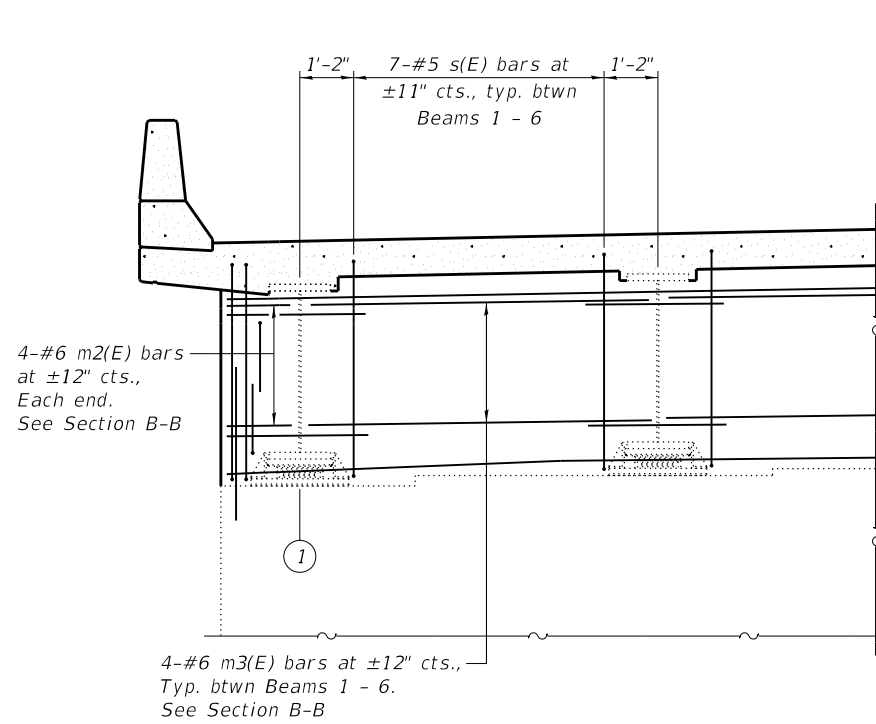
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT DETAILS - NORTHBOUND
STRUCTURE NO. 082-0239

SHEET 5 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

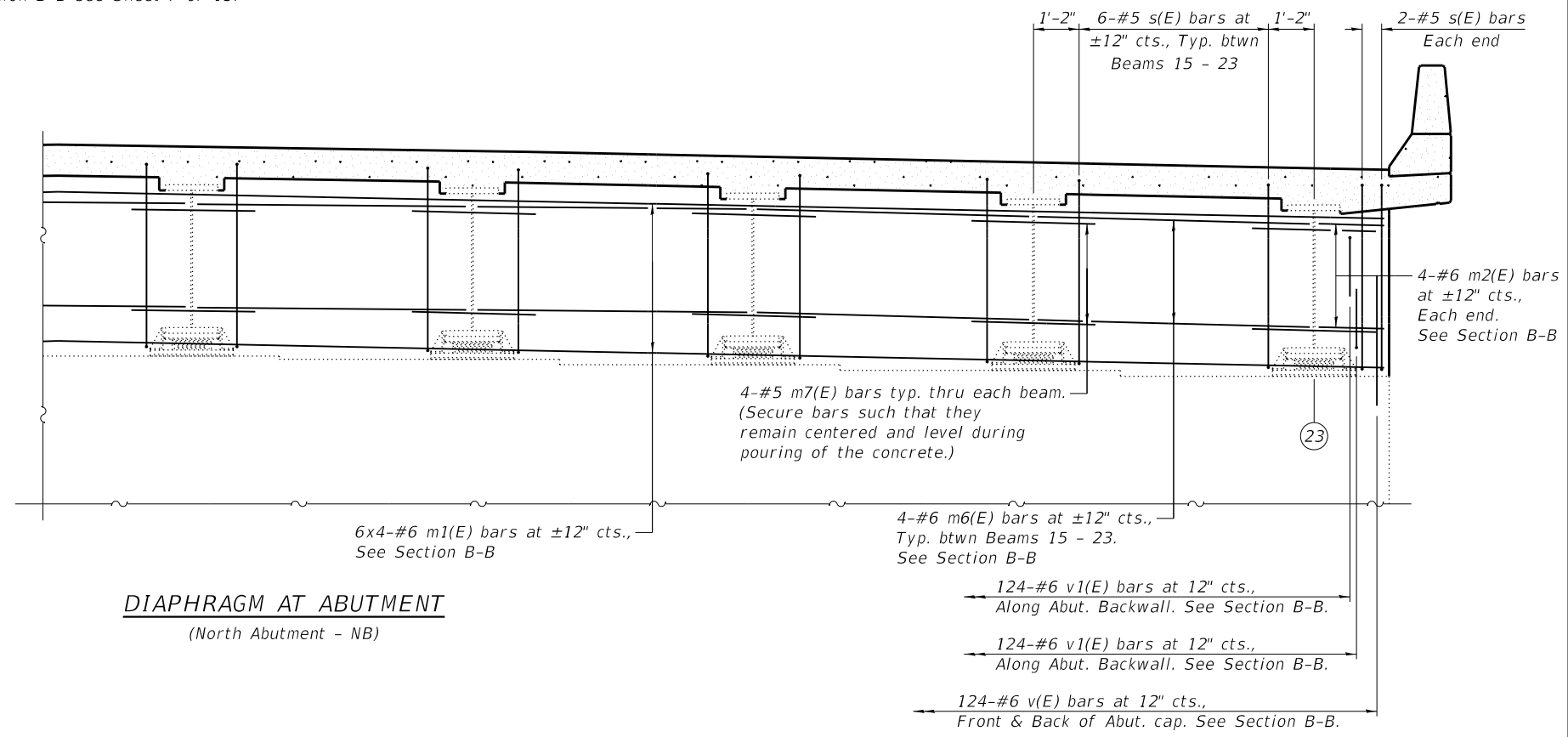
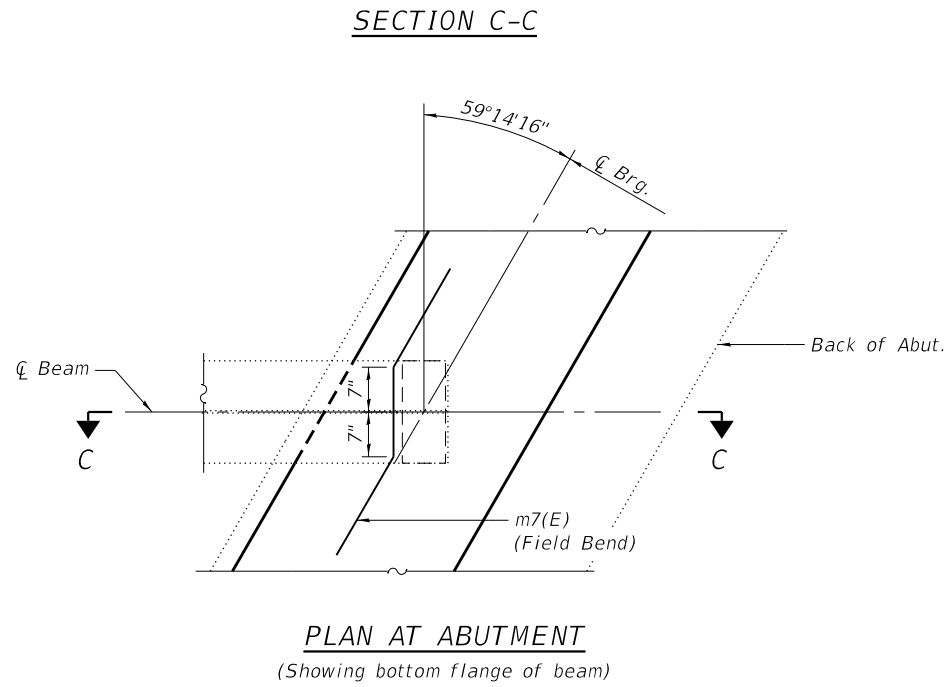
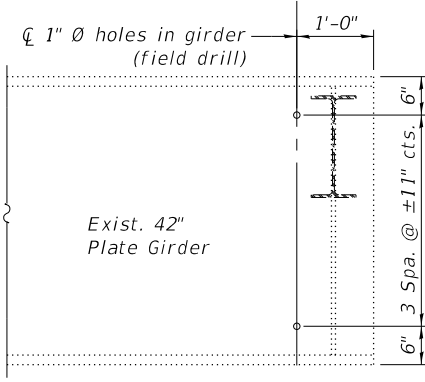
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DIAPHRAGM AT ABUTMENT
 (North Abutment - SB)

Notes:
 See Sheet 7 of 15 for Bill of Material and Bar Diagrams.
 The s(E) bars shall be placed parallel to the beams. Spacing for these bars will be at right angles to the beams.
 Bars indicated thus 6x4-#6 etc. indicates 6 line of bars with 4 lengths per line.
 For Section B-B see Sheet 7 of 15.

MIN. BAR LAP
 #6 Bar = 3'-9"



DIAPHRAGM AT ABUTMENT
 (North Abutment - NB)

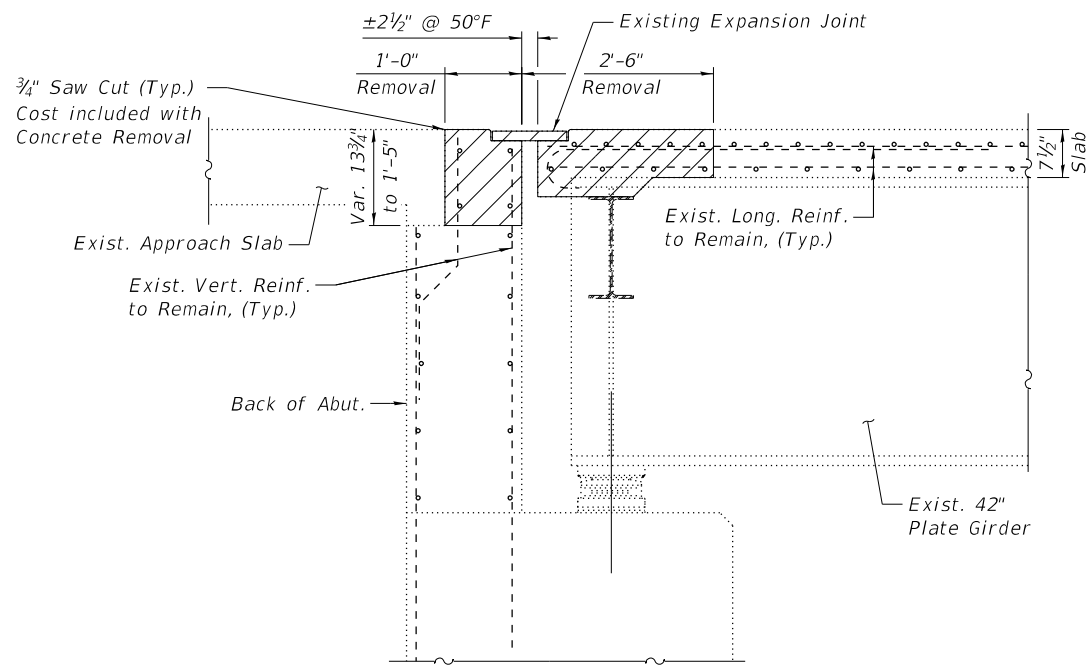
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT DETAILS
 STRUCTURE NO. 082-0239 & 082-0240

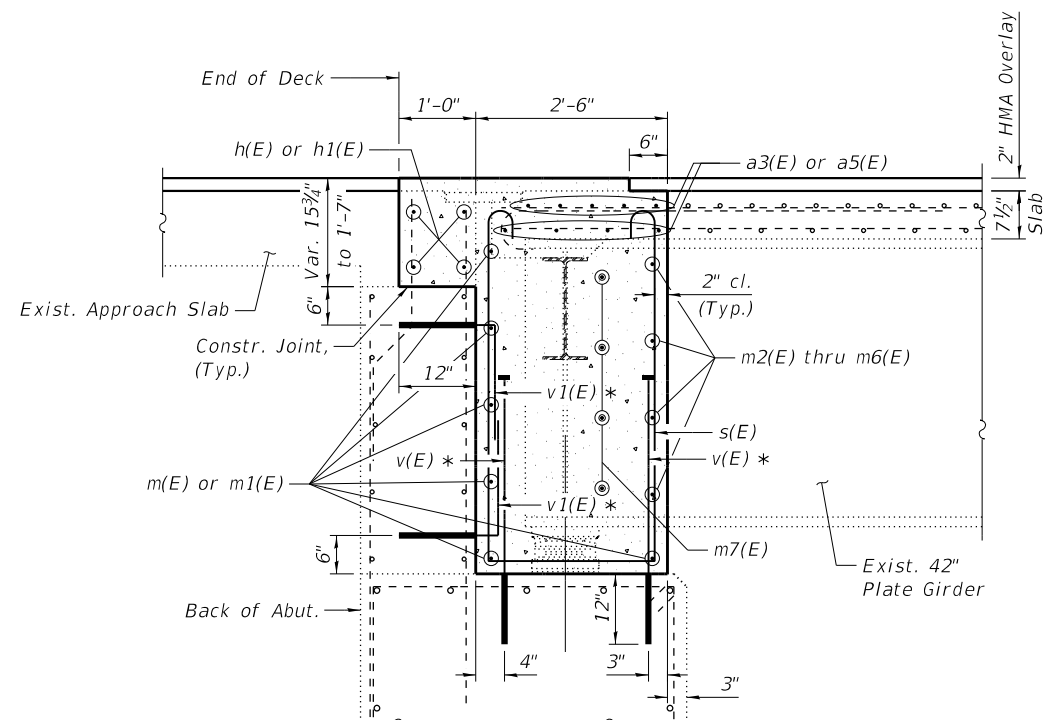
SHEET 6 OF 15 SHEETS

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ILLINOIS FED. AID PROJECT				

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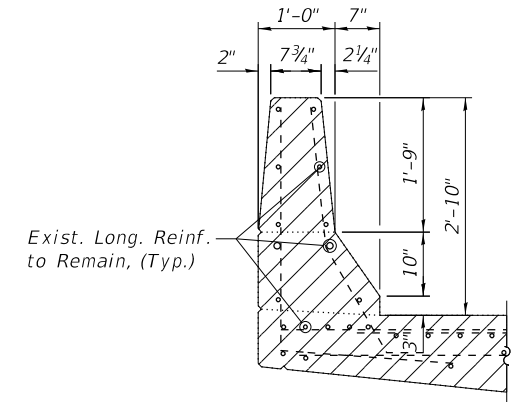


SECTION A-A
(Dim. @ Rt. L's)

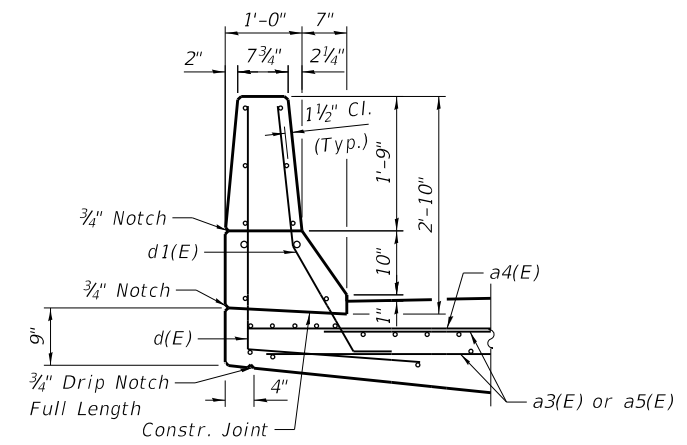


SECTION B-B
(Dim. @ Rt. L's)

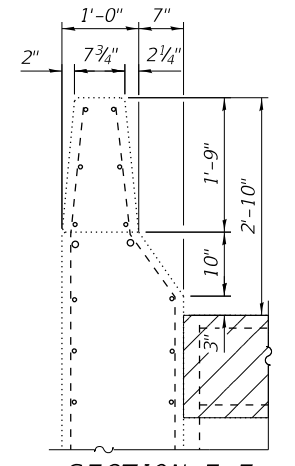
* Epoxy grout v(E) & v1(E) bars in 12" min. holes according to Article 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.



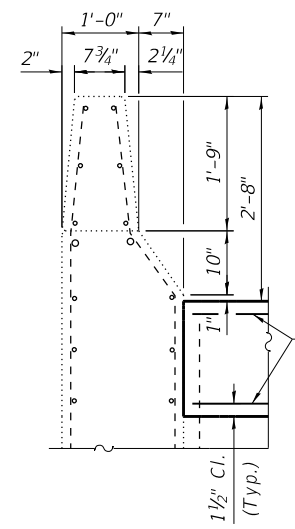
SECTION D-D
(SB North Abut. shown, all parapet sections similar)



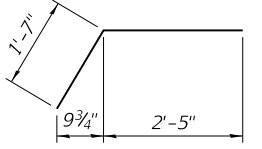
SECTION F-F
(SB North Abut. shown, all parapet sections similar)



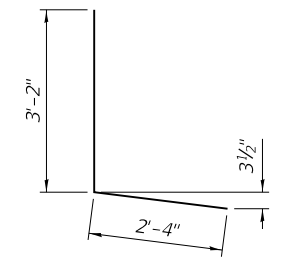
SECTION E-E
(SB North Abut. shown, all parapet sections similar)



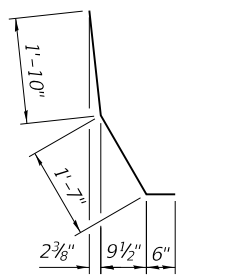
SECTION G-G
(SB North Abut. shown, all parapet sections similar)



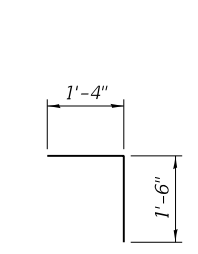
BAR a4(E)



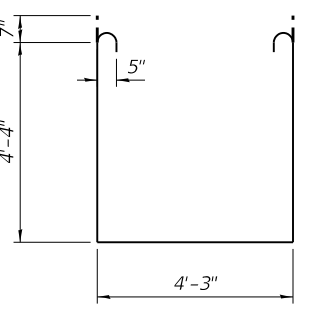
BAR d(E)



BAR d1(E)



BAR v1(E)



BAR s(E)

LEGEND

Concrete Removal

Notes:

See Sheet 4 & 5 of 15 for locations of Sections A-A, B-B, D-D, E-E, F-F, and G-G.
 The s(E) bars shall be placed parallel to the beams. Spacing for these bars will be at right angles to the beams.
 For Overlay details see cross section on Sheet 2 of 15.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3(E)	88	#5	26'-7"	—
a4(E)	12	#6	4'-0"	—
a5(E)	55	#5	28'-0"	—
d(E)	28	#5	5'-6"	L
d1(E)	28	#5	3'-11"	U
h(E)	28	#5	29'-5"	—
h1(E)	20	#5	27'-3"	—
m(E)	36	#6	34'-4"	—
m1(E)	24	#6	33'-8"	—
m2(E)	16	#6	3'-5"	—
m3(E)	20	#6	14'-11"	—
m4(E)	4	#6	5'-10"	—
m5(E)	28	#6	13'-8"	—
m6(E)	32	#6	14'-3"	—
m7(E)	92	#5	4'-0"	—
s(E)	135	#5	14'-1"	□
v(E)	624	#6	3'-4"	—
v1(E)	624	#6	2'-10"	└
Concrete Removal			Cu. Yd.	43.7
Concrete Superstructure			Cu. Yd.	171.4
** Protective Coat			Sq. Yd.	112
** Reinforcement Bars, Epoxy Coated			Pound	18,870

** Applied to new concrete deck



USER NAME =	sdutakis	DESIGNED -	SDY	REVISED -	
0820239_0240-76E13-004-NAbut.dgn		CHECKED -	SCD	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

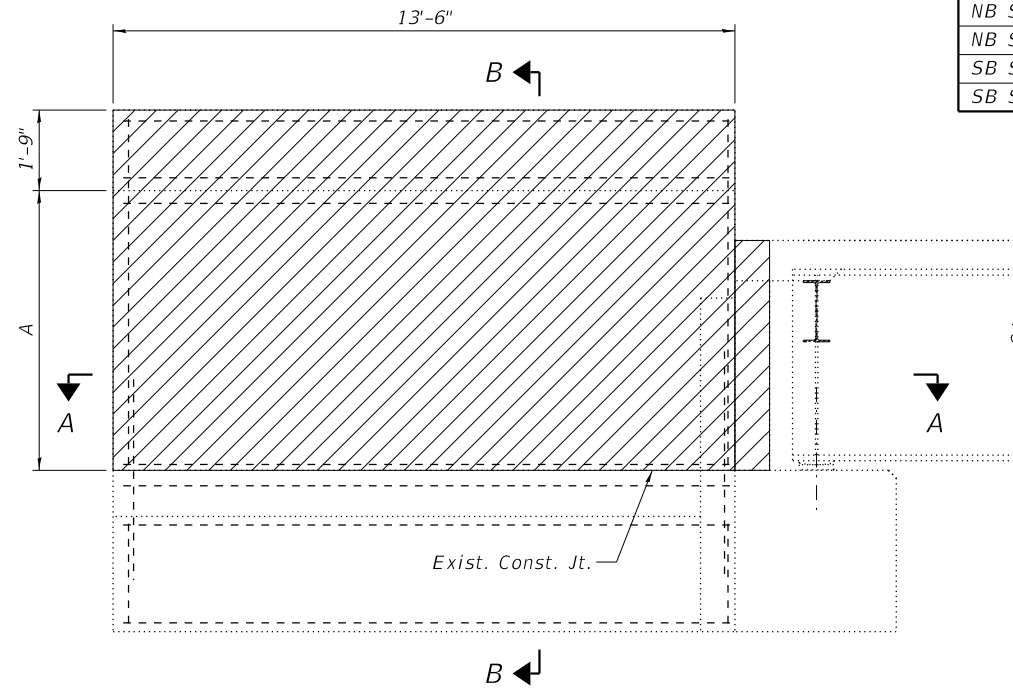
NORTH ABUTMENT DETAILS
STRUCTURE NO. 082-0239 & 082-0240

SHEET 7 OF 15 SHEETS

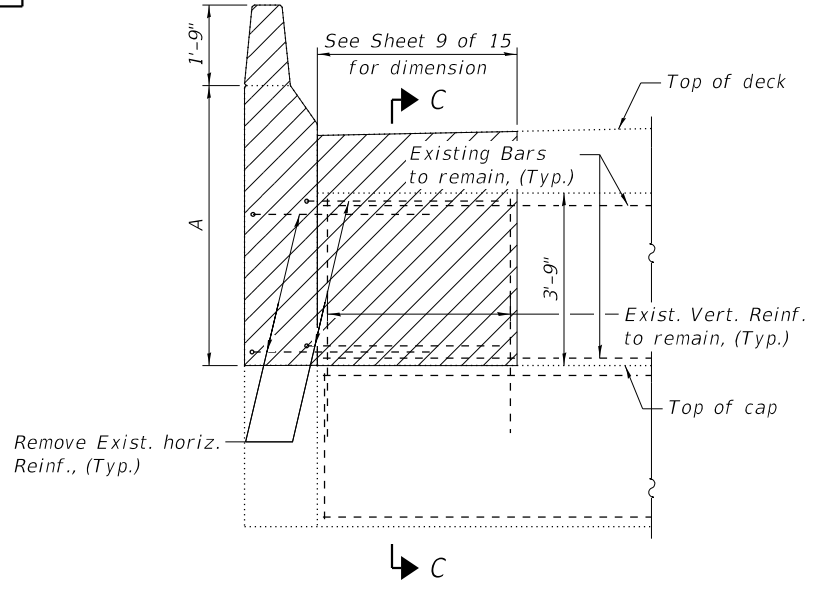
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	263
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
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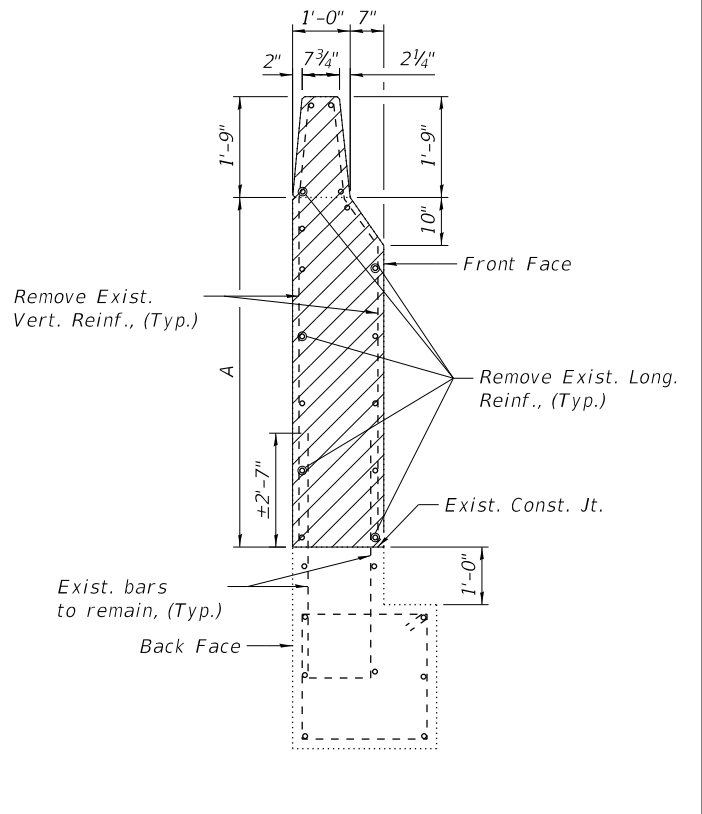
Location	A	n
NB S. Abut. N. Wing	5'-7 ⁷ / ₈ "	3
NB S. Abut. S. Wing	5'-8 ⁵ / ₈ "	5
SB S. Abut. N. Wing	5'-11 ³ / ₄ "	3
SB S. Abut. S. Wing	5'-8"	5



WINGWALL ELEVATION
South Abutment

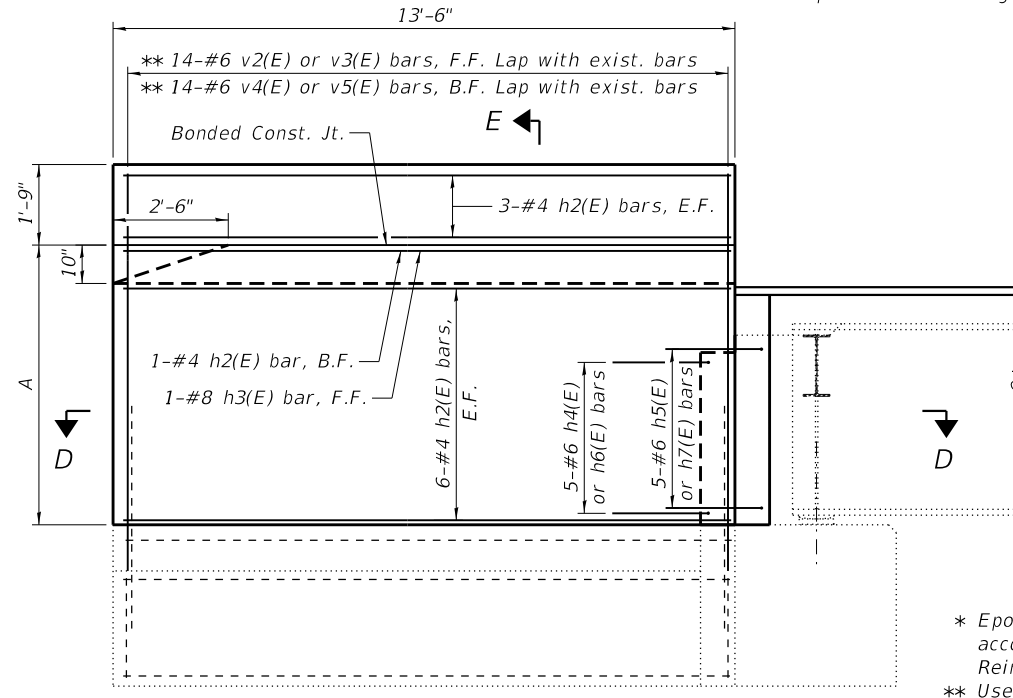


BACKWALL ELEVATION
South Abutment



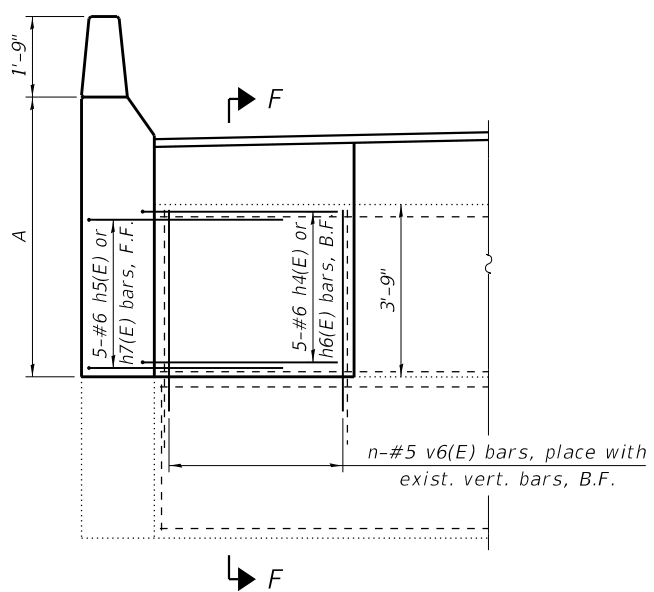
SECTION B-B

Notes:
 See Sheet 9 of 15 for Sections A-A and D-D.
 See Sheet 12 of 15 for Section C-C and F-F.
 Existing transverse bars extending from hatchblock into removal area, existing horizontal bars in backwall and existing vertical bars in wingwall base extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Abandoned utility conduit and boxes attached to wingwalls shall be removed and disposed of according to Article 202.03. Cost included with Concrete Removal.

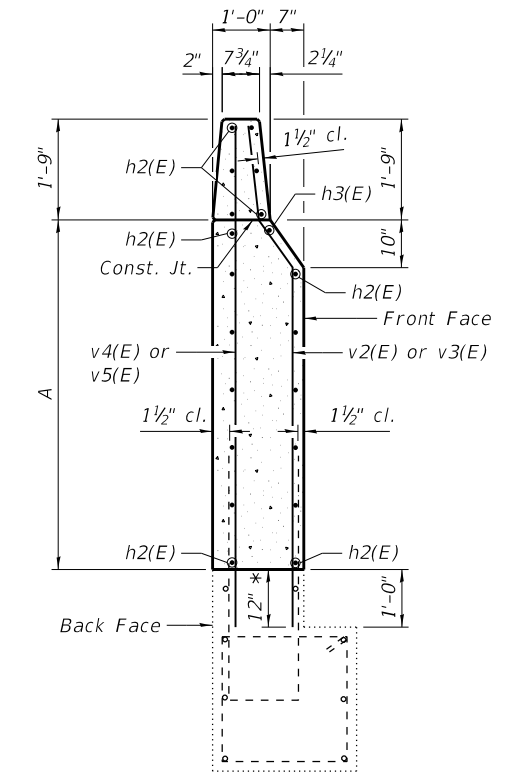


WINGWALL ELEVATION
South Abutment

LEGEND
 Concrete Removal



BACKWALL ELEVATION
South Abutment



SECTION E-E

* Epoxy grout v2(E) to v5(E) and v6(E) bars as shown according to Article 584. Cost included with Reinforcement Bars, Epoxy Coated.
 ** Use v3(E) & v5(E) bars at SB North Wingwall. Use v2(E) & v4(E) bars at all other wingwalls at South Abutment.



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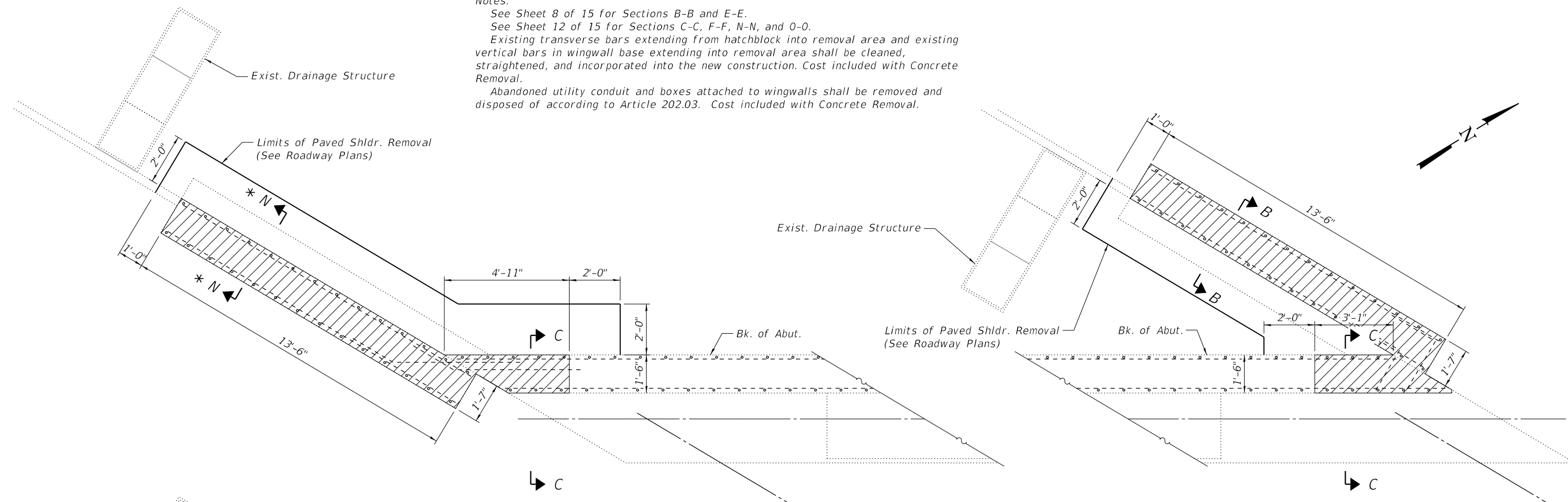
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL REPAIR DETAILS - SOUTH ABUTMENT
STRUCTURE NO. 082-0239 & 082-0240

SHEET 8 OF 15 SHEETS

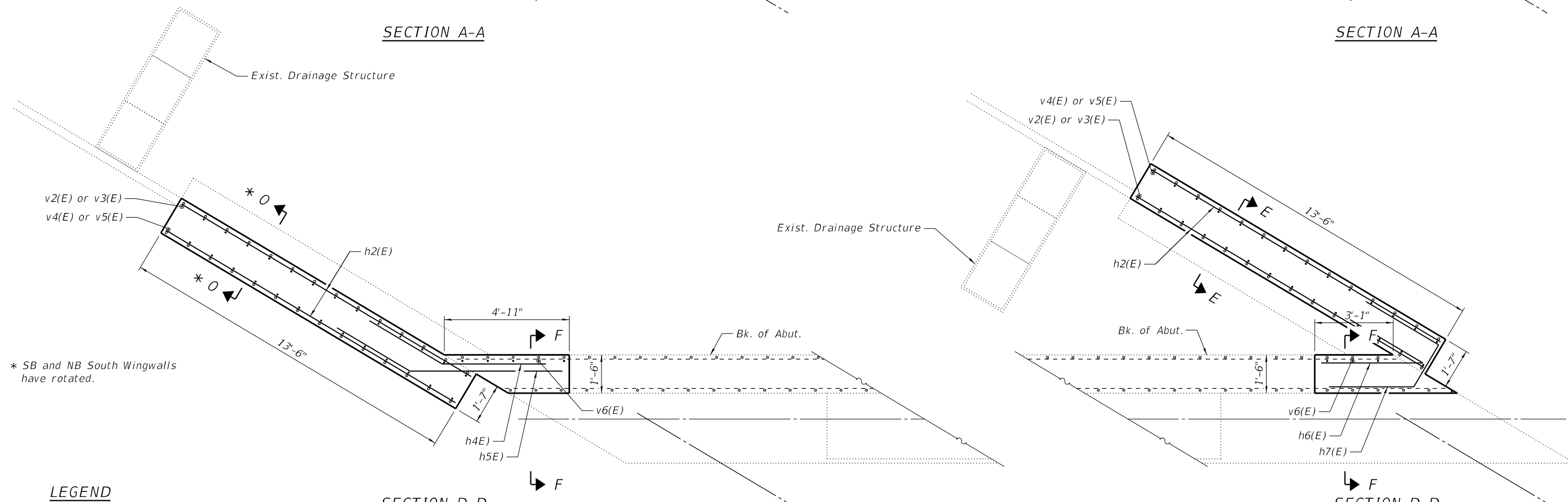
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2)RS	ST. CLAIR	280	264
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Notes:
 See Sheet 8 of 15 for Sections B-B and E-E.
 See Sheet 12 of 15 for Sections C-C, F-F, N-N, and O-O.
 Existing transverse bars extending from hatchblock into removal area and existing vertical bars in wingwall base extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Abandoned utility conduit and boxes attached to wingwalls shall be removed and disposed of according to Article 202.03. Cost included with Concrete Removal.



SECTION A-A

SECTION A-A



SECTION D-D

SECTION D-D

* SB and NB South Wingwalls have rotated.

LEGEND

Concrete Removal

MODEL: \$MODELNAME\$
 FILE NAME: S:\2017\171011 Var Ph Hill DOT D8-Oates PTB 183-12\WO-3\Struct Design\SN 082-0239\40\CADD\CADD Sheets\0820239_0240-76E13-008-WingwallRepair.dgn



USER NAME =	sdutakis	DESIGNED -	SDY	REVISED -	
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

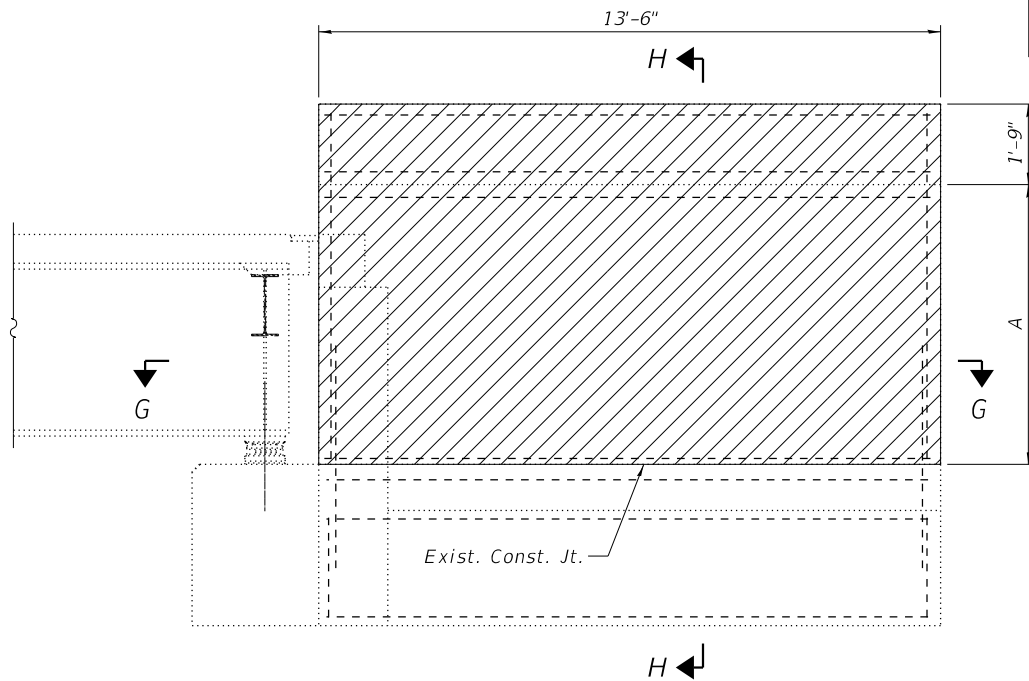
WINGWALL REPAIR DETAILS - SOUTH ABUTMENT
 STRUCTURE NO. 082-0239 & 082-0240

SHEET 9 OF 15 SHEETS

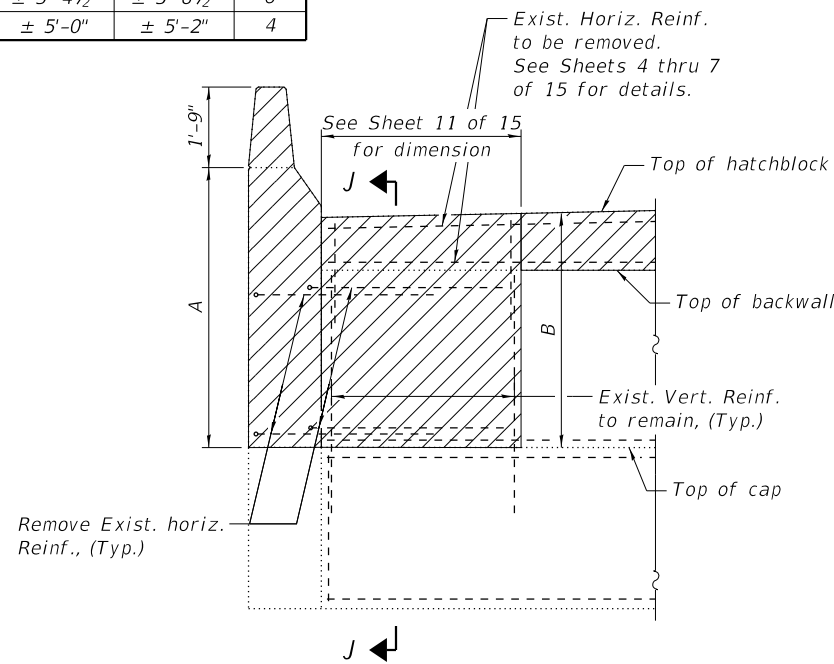
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

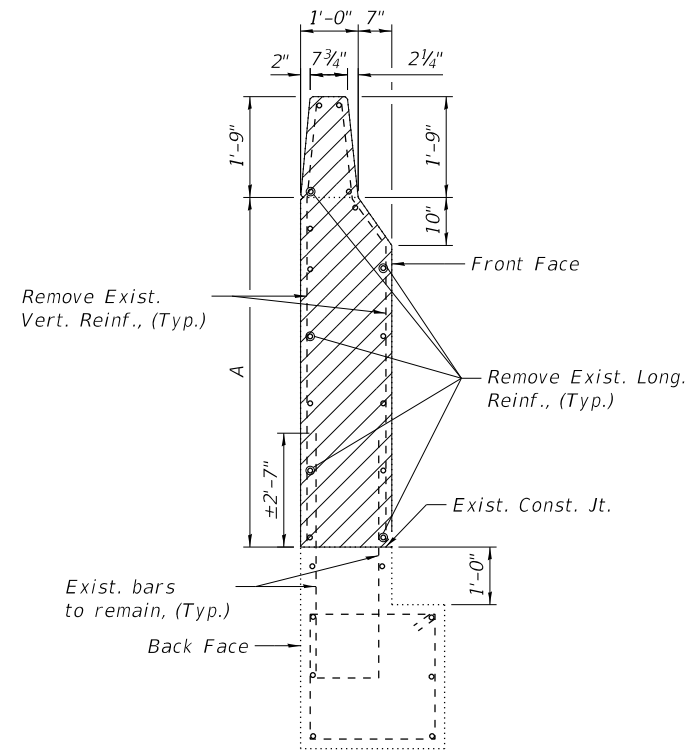
Location	A	B	C	n
NB N. Abut. N. Wing	6'-2 $\frac{3}{8}$ "	± 5'-1 $\frac{1}{2}$ "	± 5'-3 $\frac{1}{2}$ "	6
NB N. Abut. S. Wing	6'-0 $\frac{7}{8}$ "	± 5'-0"	± 5'-2"	4
SB N. Abut. N. Wing	6'-4 $\frac{1}{4}$ "	± 5'-4 $\frac{1}{2}$ "	± 5'-6 $\frac{1}{2}$ "	6
SB N. Abut. S. Wing	6'-0 $\frac{1}{8}$ "	± 5'-0"	± 5'-2"	4



WINGWALL ELEVATION
North Abutment

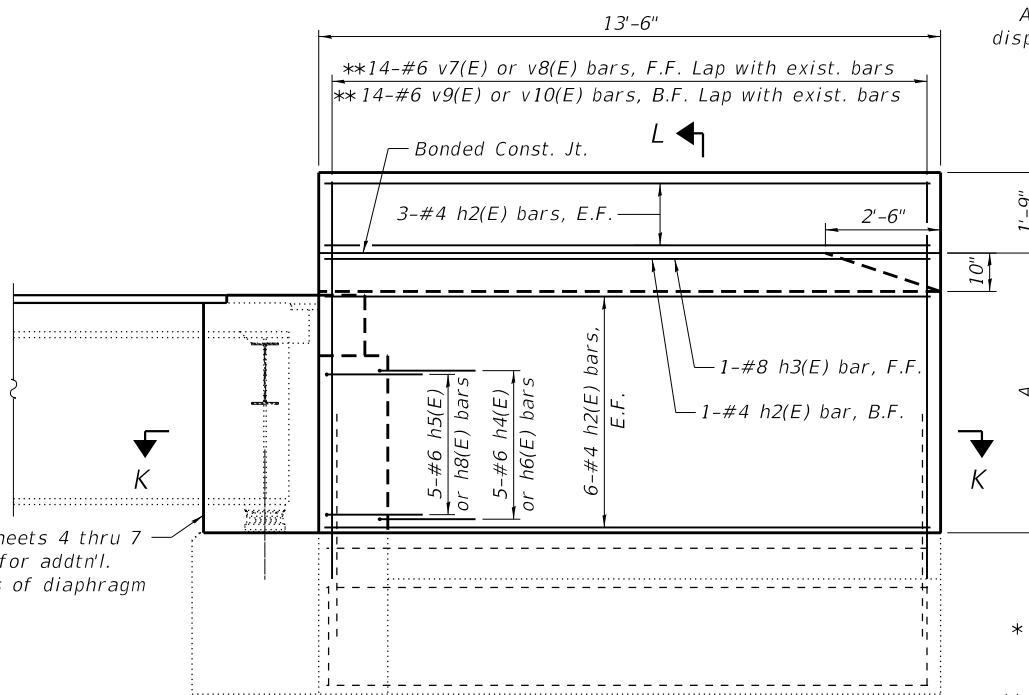


BACKWALL ELEVATION
North Abutment



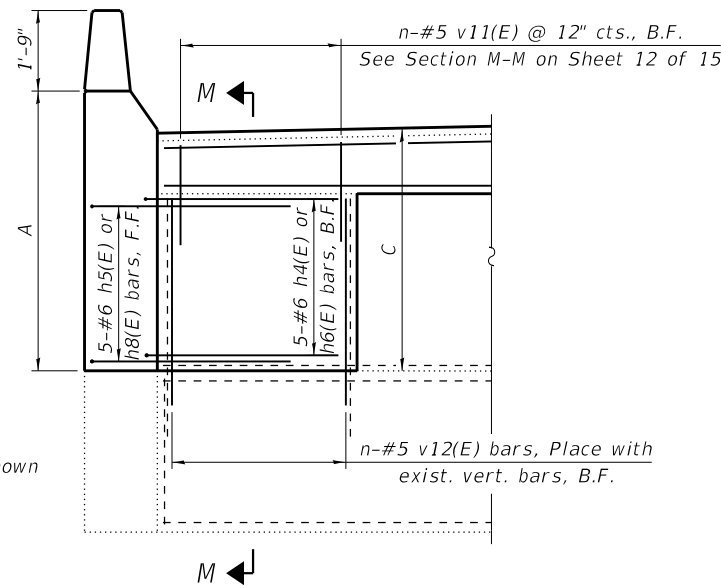
SECTION H-H

Notes:
 See Sheet 11 of 15 for Sections G-G and K-K.
 See Sheet 12 of 15 for Sections J-J and M-M.
 Existing transverse bars extending from hatchblock into removal area and existing vertical bars in wingwall base extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Abandoned utility conduit and boxes attached to wingwalls shall be removed and disposed of according to Article 202.03. Cost included with Concrete Removal.

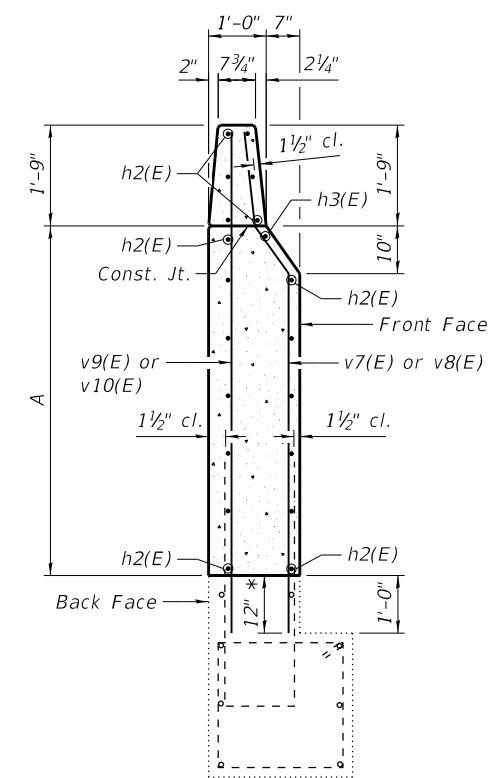


WINGWALL ELEVATION
North Abutment

LEGEND
 Concrete Removal



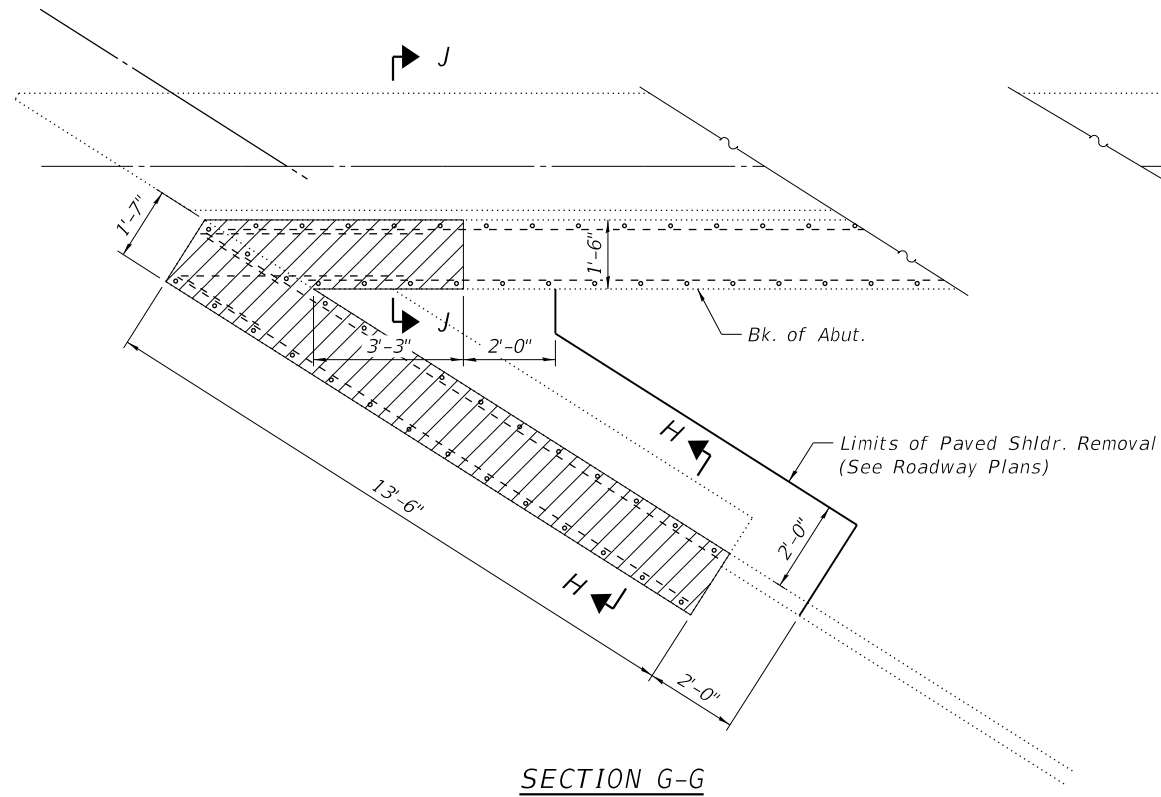
BACKWALL ELEVATION
North Abutment



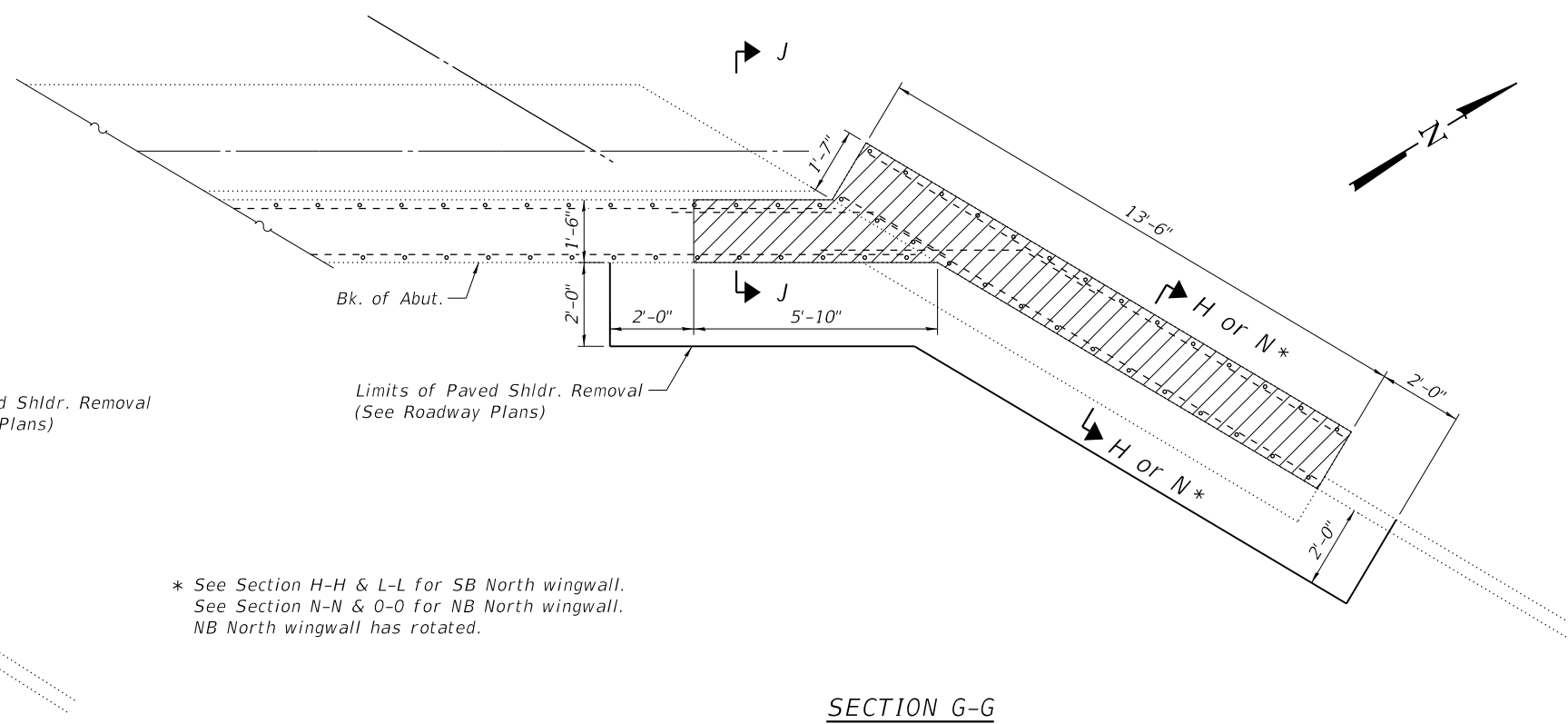
SECTION L-L

* Epoxy grout v7(E) to v10(E) and v12(E) bars as shown according to Article 584. Cost included with Reinforcement Bars, Epoxy Coated.
 ** Use v8(E) & v10(E) bars at SB North Wingwall. Use v7(E) & v9(E) bars at all other wingwalls at North Abutment.

MODEL: \$MODELNAME\$
 FILE NAME: SA2017171011 Var Ph H.II.DDOT D8-Oates PTB 183-12W0-3Struct Design\SN 082-0239640\CADD\CADD Sheets\0820239_0240-76E13-008-WingwallRepair.dgn
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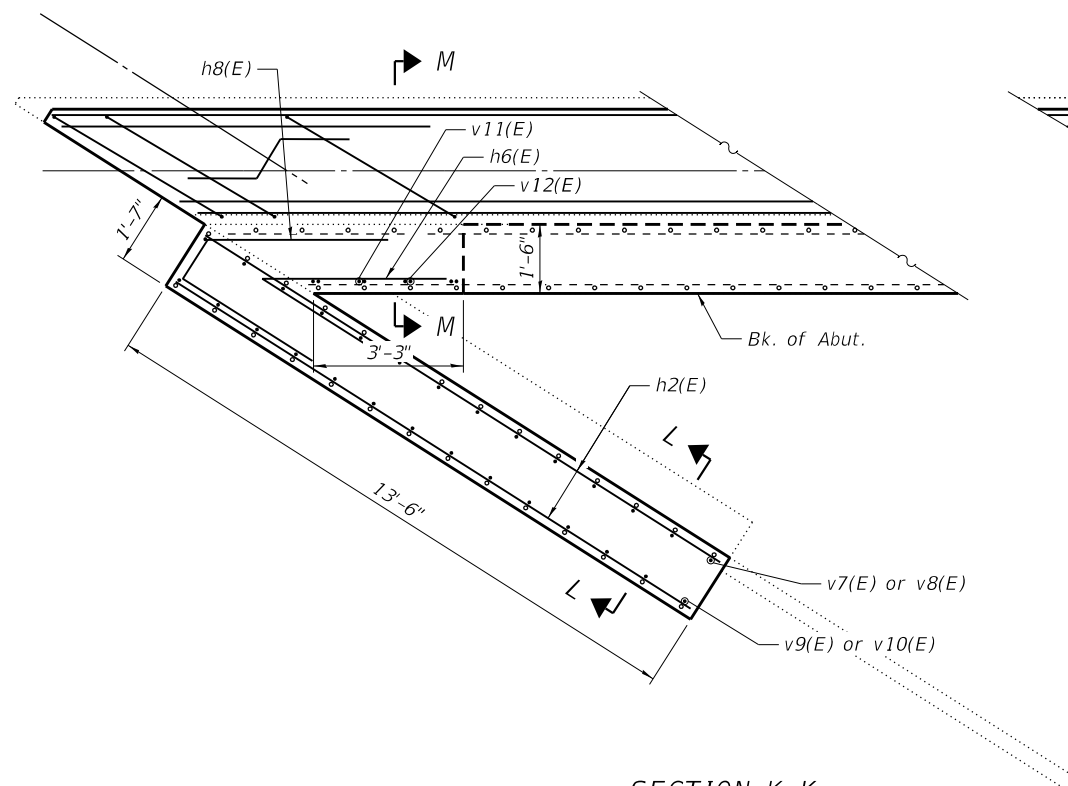


SECTION G-G

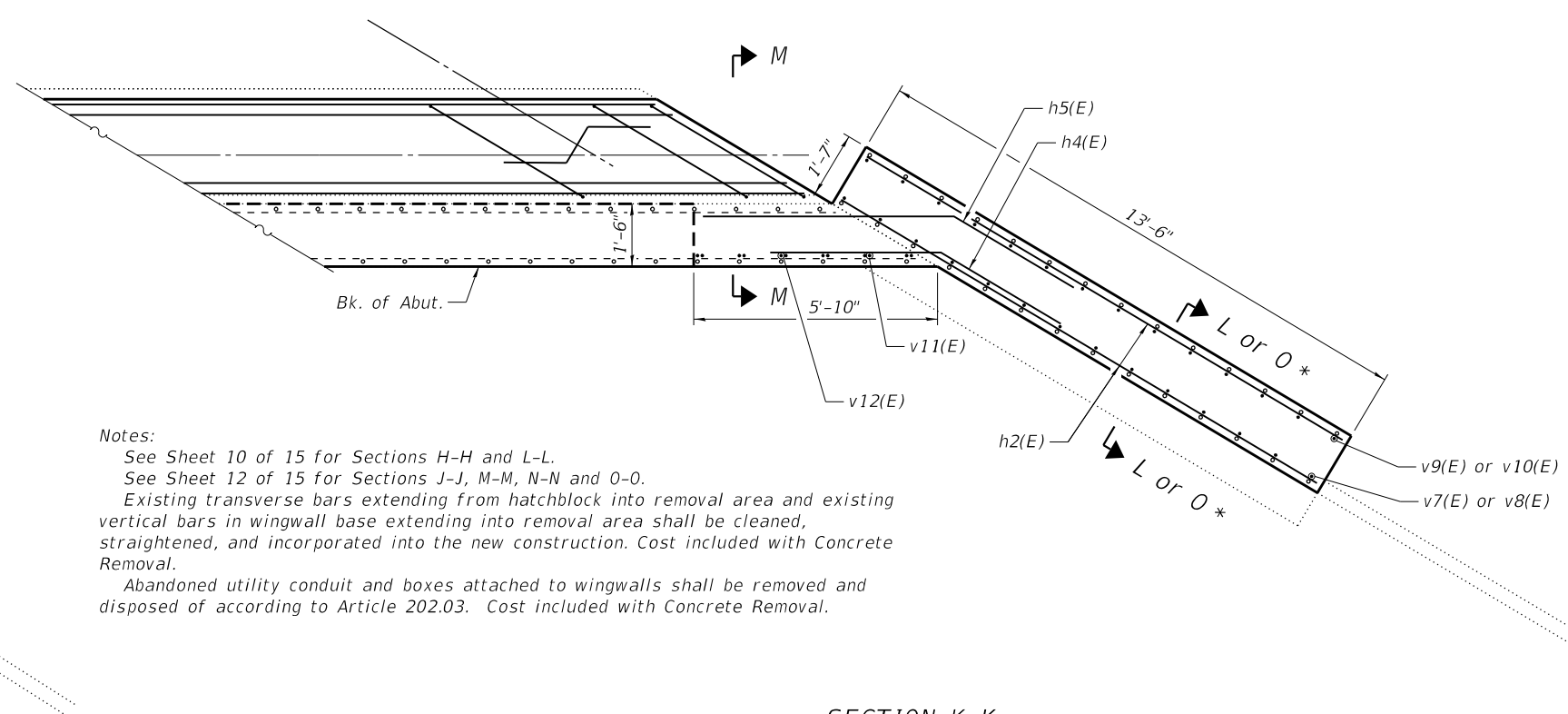


SECTION G-G

* See Section H-H & L-L for SB North wingwall.
 See Section N-N & O-O for NB North wingwall.
 NB North wingwall has rotated.



SECTION K-K



SECTION K-K

Notes:
 See Sheet 10 of 15 for Sections H-H and L-L.
 See Sheet 12 of 15 for Sections J-J, M-M, N-N and O-O.
 Existing transverse bars extending from hatchblock into removal area and existing vertical bars in wingwall base extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.
 Abandoned utility conduit and boxes attached to wingwalls shall be removed and disposed of according to Article 202.03. Cost included with Concrete Removal.

LEGEND

Concrete Removal

MODEL: \$MODELNAME\$
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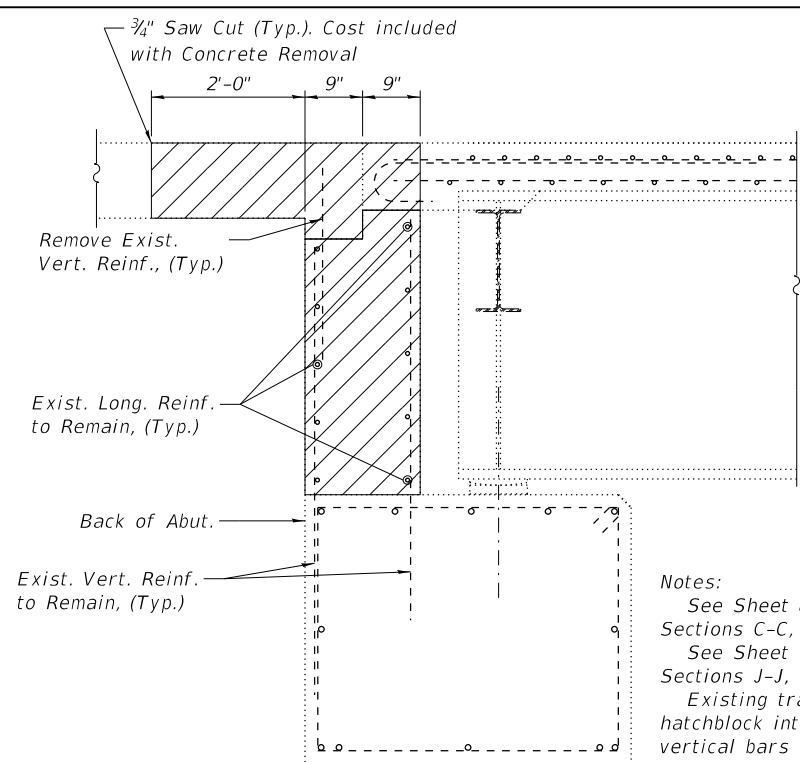
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WINGWALL REPAIR DETAILS - NORTH ABUTMENT
 STRUCTURE NO. 082-0239 & 082-0240

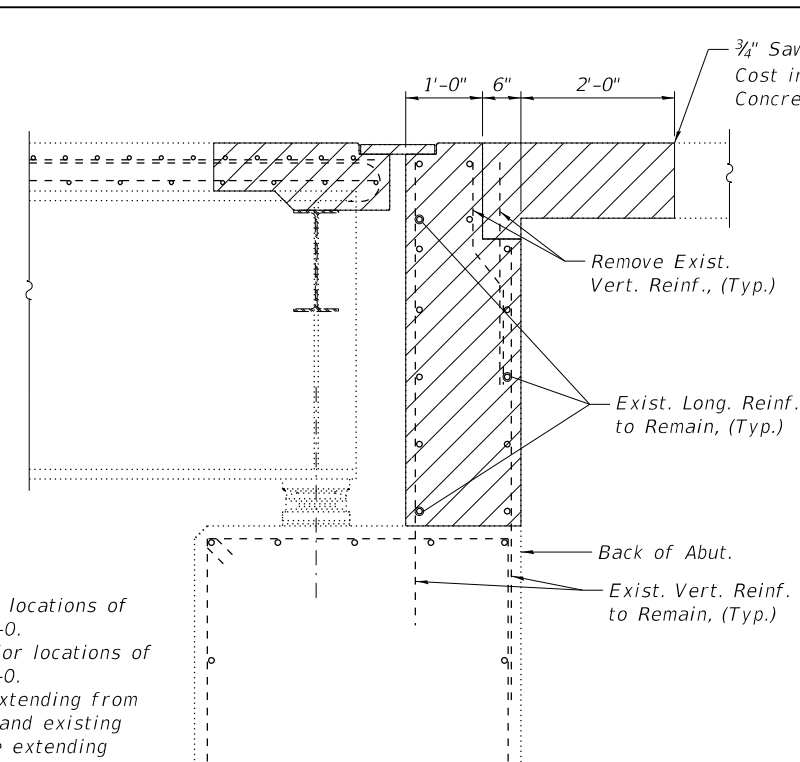
SHEET 11 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	267
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

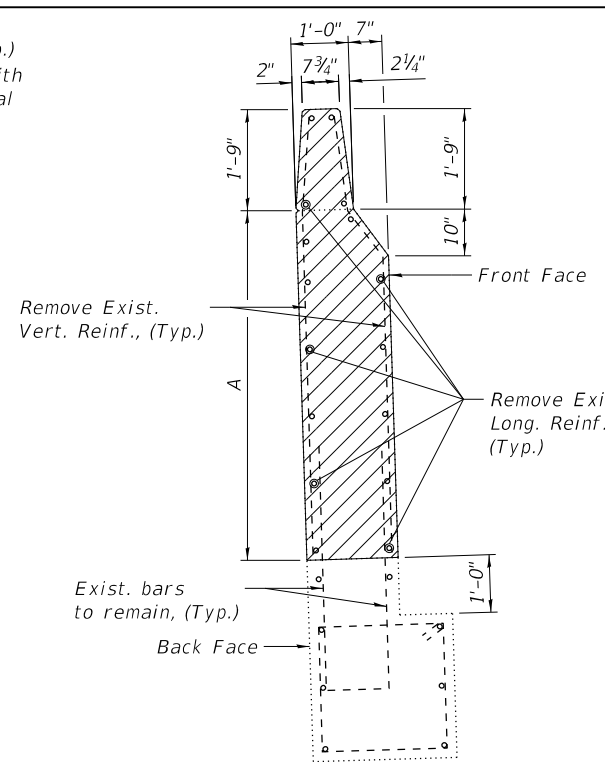
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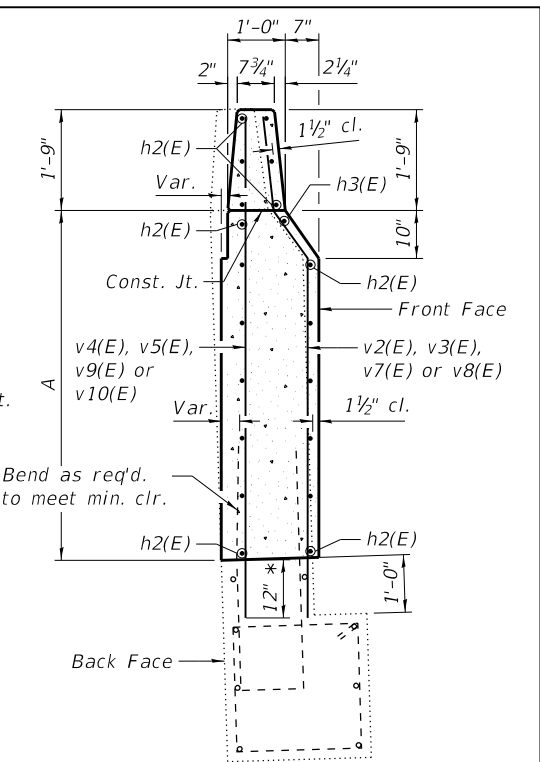
SECTION C-C



SECTION J-J

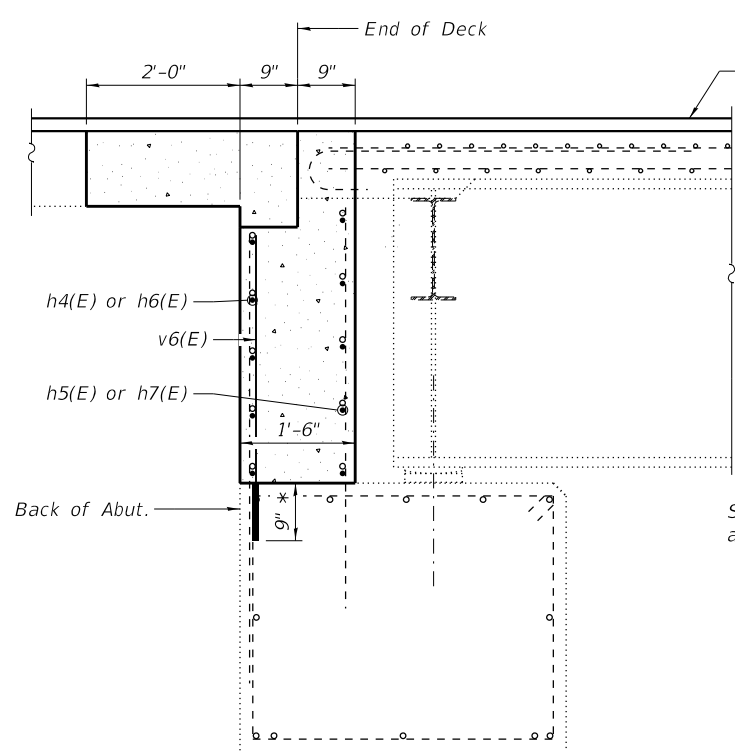


SECTION N-N
Thru rotated wingwalls

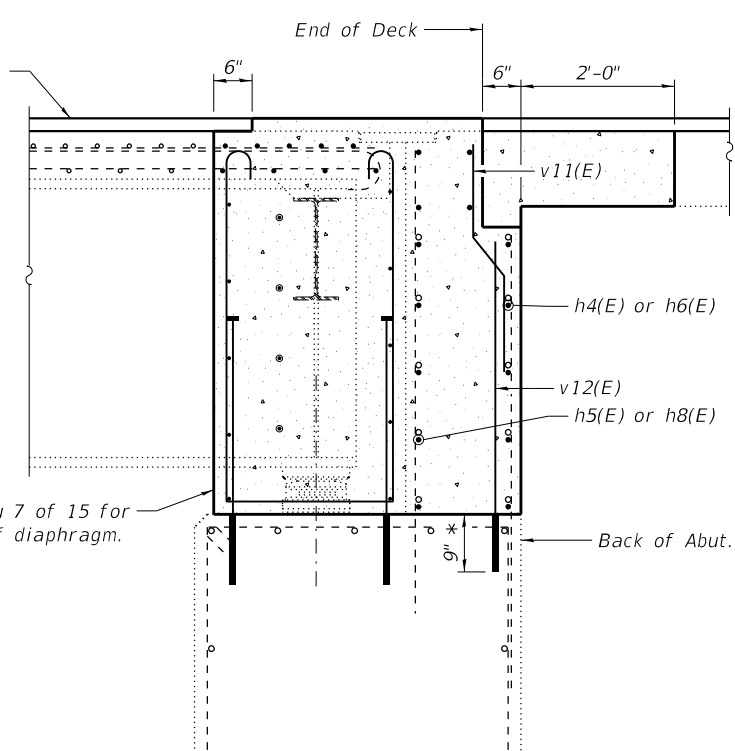


SECTION O-O
Thru rotated wingwalls

Notes:
 See Sheet 8 & 9 of 15 for locations of Sections C-C, F-F, N-N and O-O.
 See Sheet 10 & 11 of 15 for locations of Sections J-J, M-M, N-N and O-O.
 Existing transverse bars extending from hatchblock into removal area and existing vertical bars in wingwall base extending into removal area shall be cleaned, straightened, and incorporated into the new construction. Cost included with Concrete Removal.



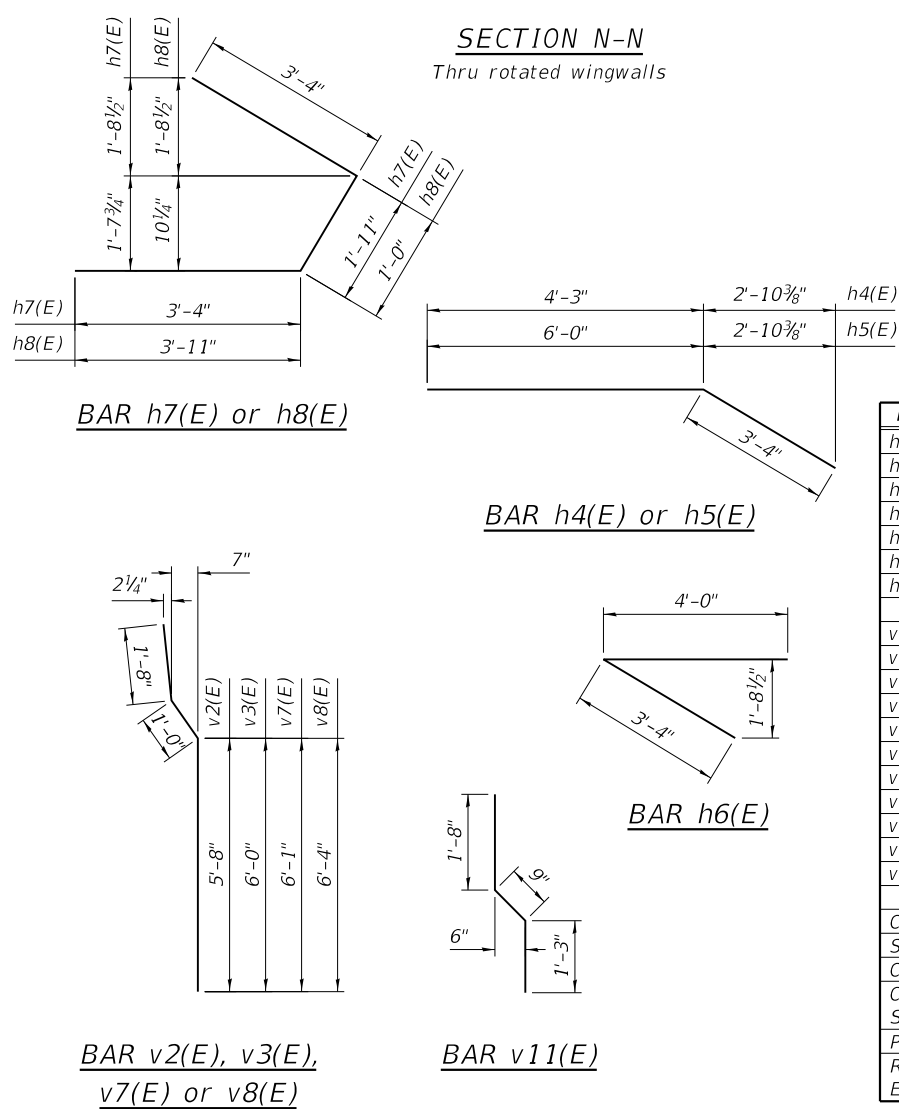
SECTION F-F



SECTION M-M

* Epoxy grout v2(E) thru v10(E) & v12(E) bars as shown according to Article 584. Cost included with Reinforcement Bars, Epoxy Coated.

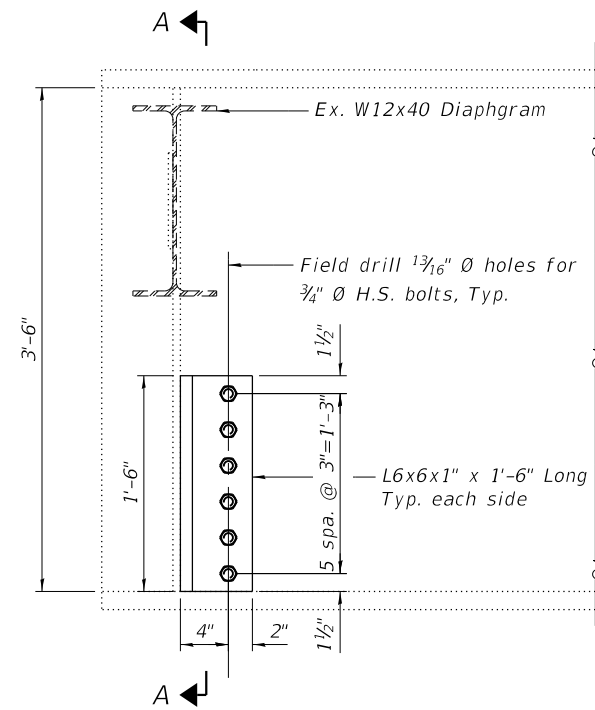
LEGEND
 Concrete Removal



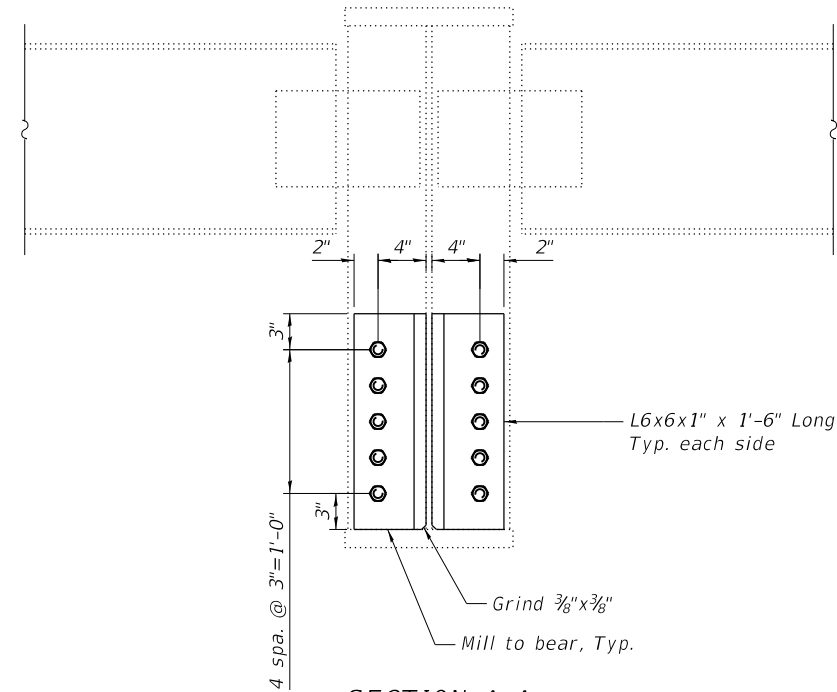
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	60	#4	13'-3"	
h3(E)	4	#8	13'-3"	
h4(E)	20	#6	7'-7"	
h5(E)	20	#6	9'-4"	
h6(E)	20	#6	7'-4"	
h7(E)	10	#6	8'-7"	
h8(E)	10	#6	8'-3"	
v2(E)	42	#6	8'-4"	
v3(E)	14	#6	8'-8"	
v4(E)	42	#6	8'-2"	
v5(E)	14	#6	8'-6"	
v6(E)	16	#5	3'-11"	
v7(E)	42	#6	8'-9"	
v8(E)	14	#6	9'-0"	
v9(E)	42	#6	8'-7"	
v10(E)	14	#6	8'-11"	
v11(E)	20	#5	3'-8"	
v12(E)	20	#5	4'-7"	
Concrete Removal		Cu. Yd.	50.1	
Structure Excavation		Cu. Yd.	50.2	
Concrete Structure		Cu. Yd.	21.3	
Concrete Superstructure		Cu. Yd.	26.1	
Protective Coat		Sq. Yd.	23	
Reinforcement Bars, Epoxy Coated		Pound	4,770	

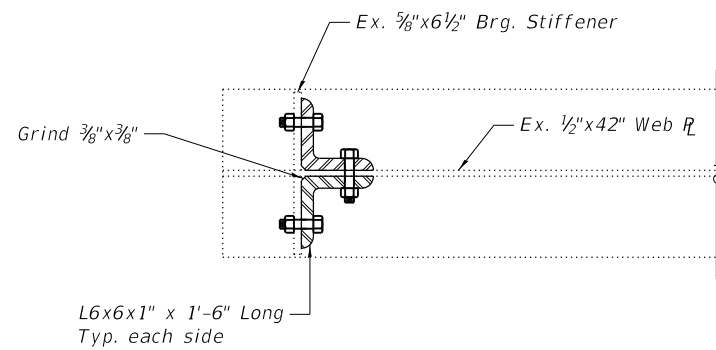
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ELEVATION



SECTION A-A



PLAN

Note:
 All girders (#1 - 23) at the South Abutment to be repaired per details on this sheet.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	2,880



QUIGG ENGINEERING INC

USER NAME = sduakis	DESIGNED - SDY	REVISED -
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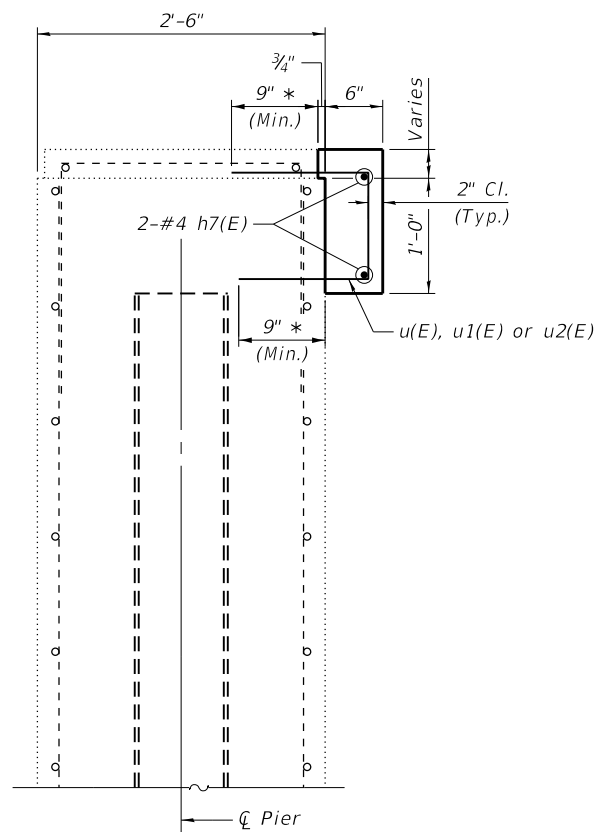
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL BEAM REPAIRS
 STRUCTURE NO. 082-0239 & 082-0240

SHEET 13 OF 15 SHEETS

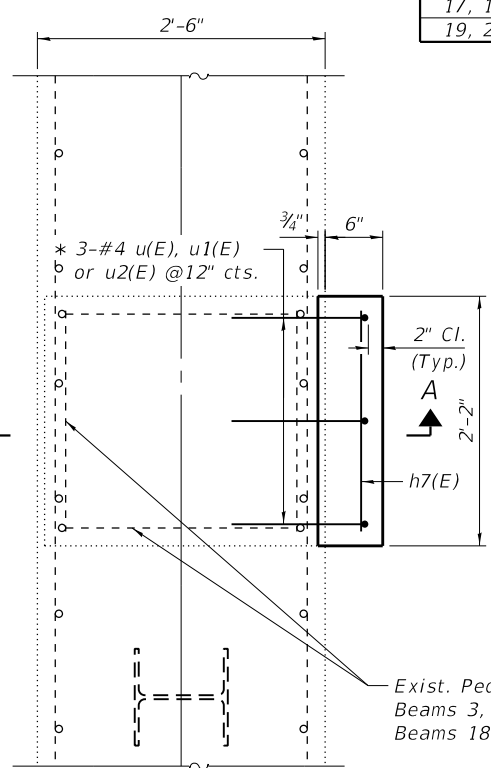
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	269
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
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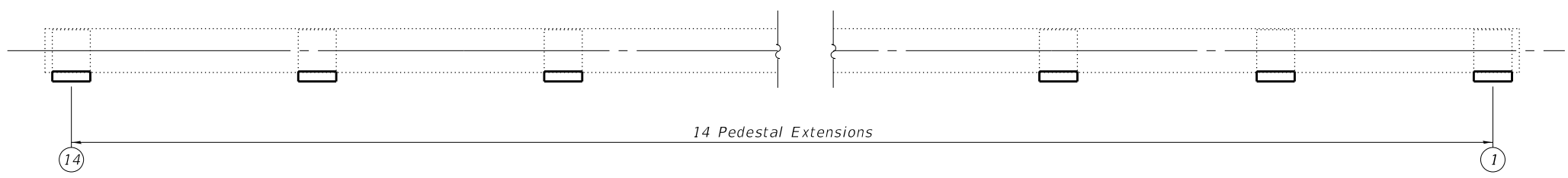


SECTION A-A

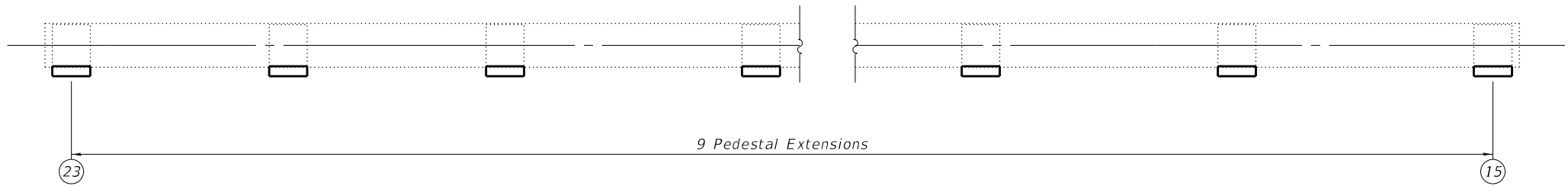
Beam #	Bar
Southbound	
13, 14	u(E)
1, 2, 6, 7, 12	u1(E)
3, 4, 5, 8 - 11	u2(E)
Northbound	
15, 16, 22, 23	u(E)
17, 18, 21	u1(E)
19, 20	u2(E)



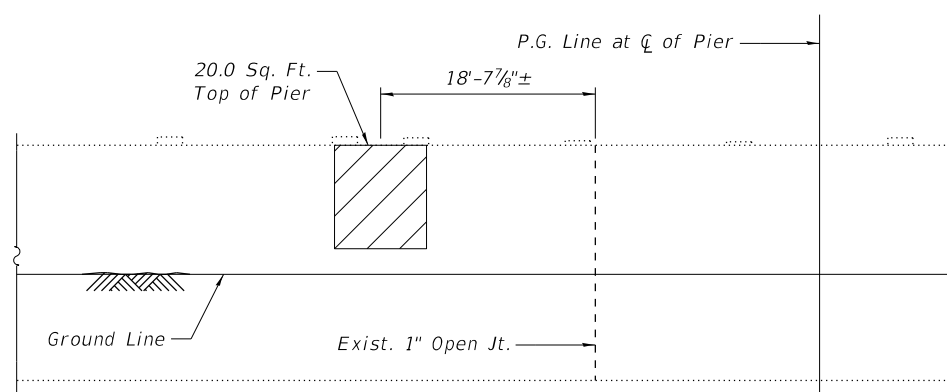
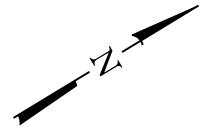
PLAN OF PEDESTAL EXTENSION



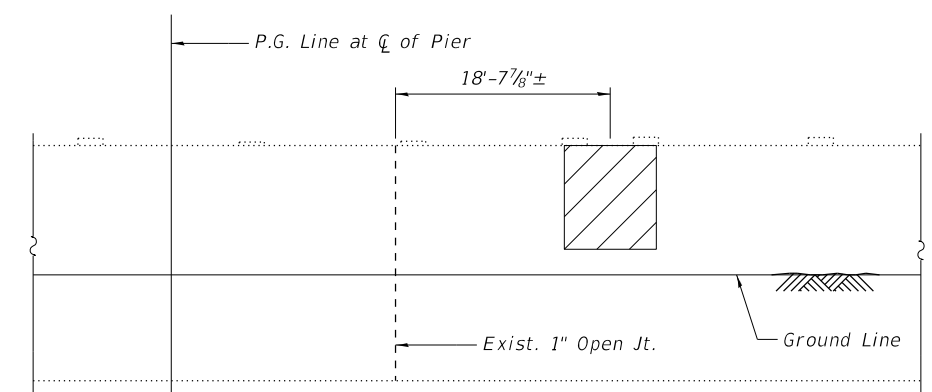
PLAN OF PEDESTAL EXTENSIONS
(Southbound Pier 2)



PLAN OF PEDESTAL EXTENSIONS
(Northbound Pier 2)

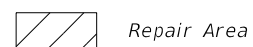


Pier 1 & 2 - CONCRETE REPAIR
(Looking Upstation - North)



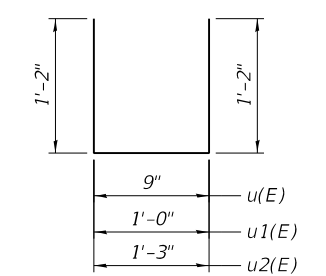
Pier 1 & 2 - CONCRETE REPAIR
(Looking Downstation - South)

LEGEND



Note:
 The repair areas shown are estimated. The Engineer shall show actual locations on the as-built plans.

* Epoxy grout u(E), u1(E) & u2(E) bars in 9" min. holes according to Article 584 of the Standard Specifications. Cost included in the cost of Reinforcement Bars, Epoxy Coated.



Bar u(E), u1(E) or u2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h7(E)	46	#4	1'-11"	—	
u(E)	18	#4	3'-1"	U	
u1(E)	24	#4	3'-4"	U	
u2(E)	27	#4	3'-7"	U	
Concrete Structures				Cu. Yd.	1.4
Reinforcement Bars, Epoxy Coated				Pound	220
Structural Repair of Concrete (Depth Equal to or Less than 5")				Sq. Ft.	328



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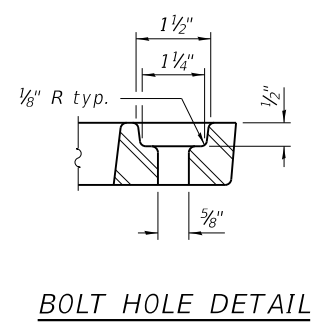
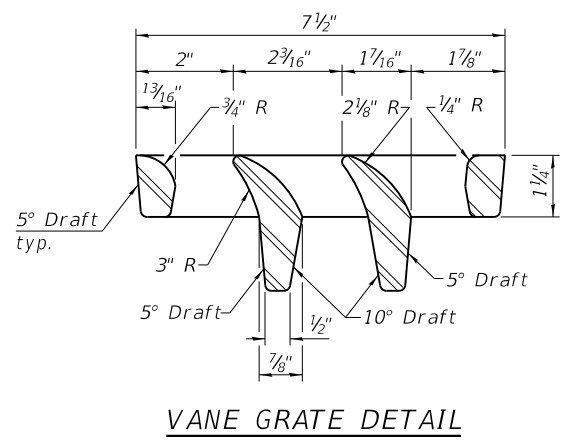
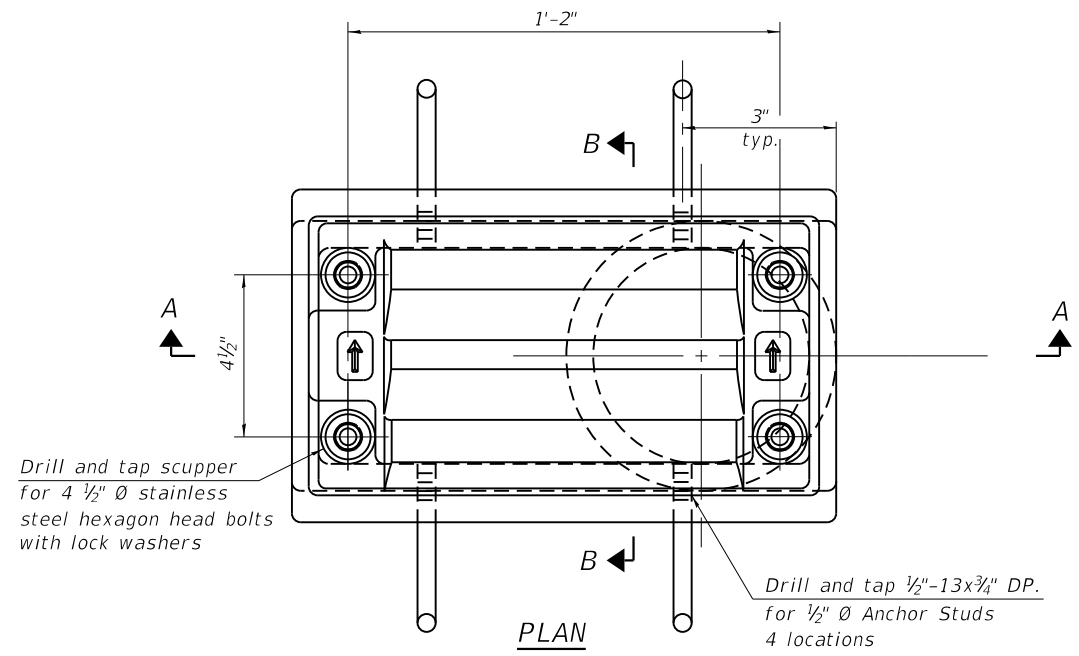
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER REPAIRS
 STRUCTURE NO. 082-0239 & 082-0240

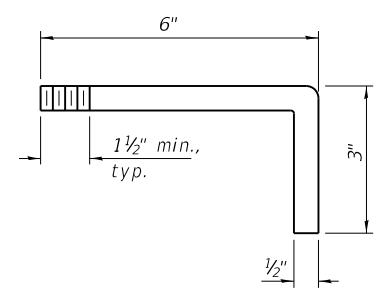
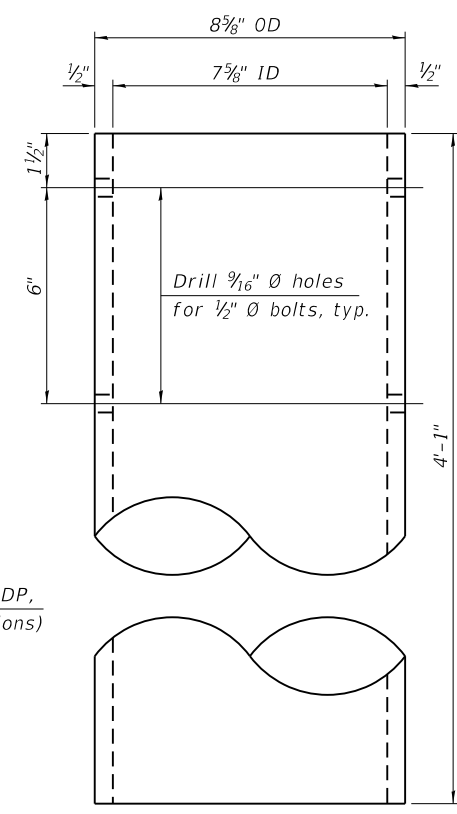
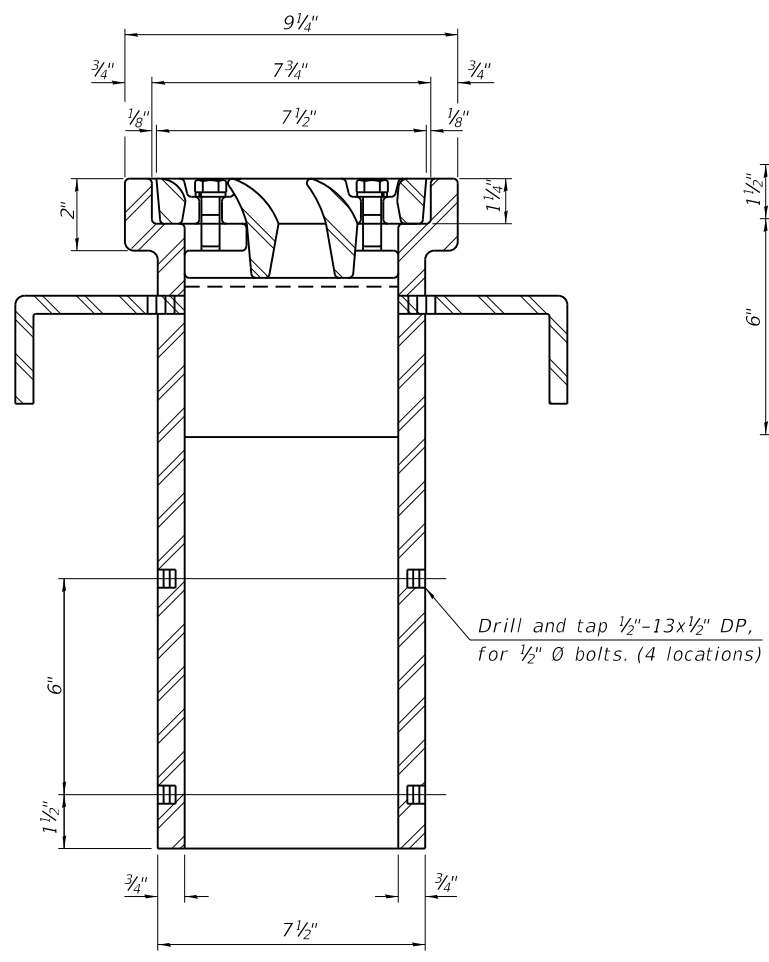
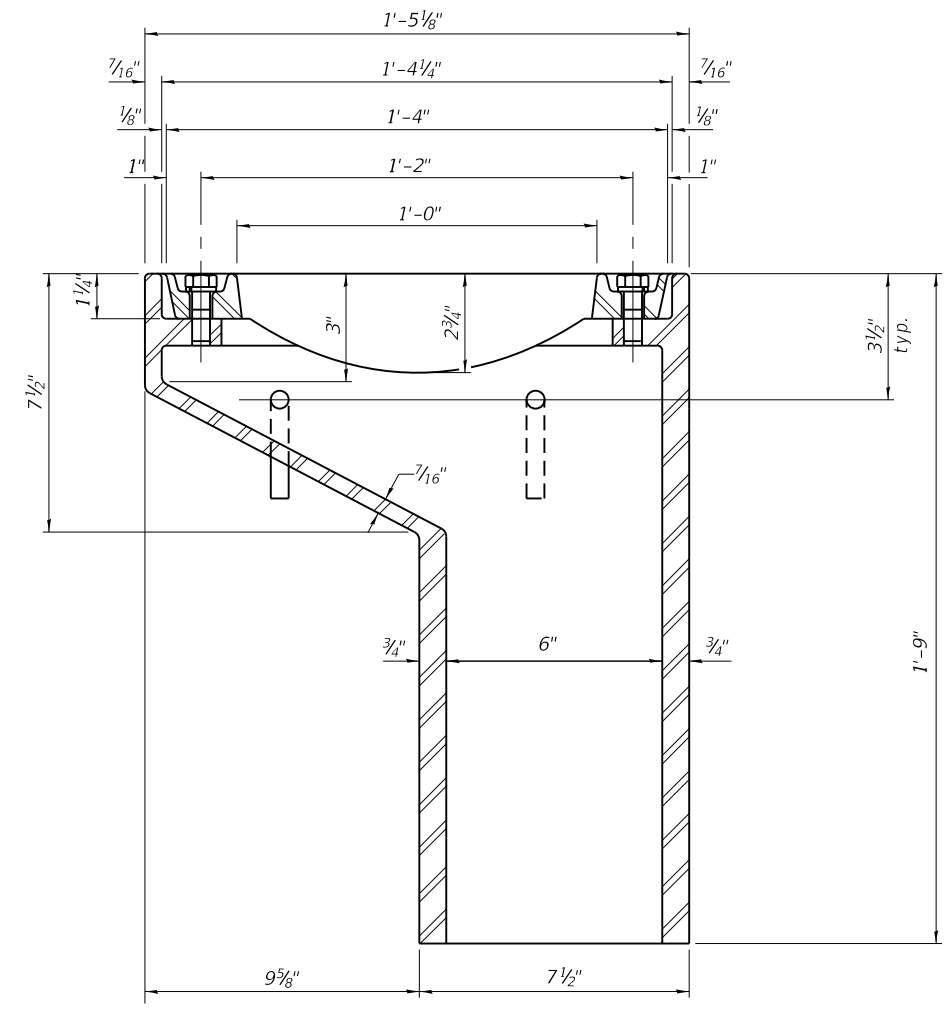
SHEET 14 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	270
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$
 FILE NAME: S:\2017\171011 Var Ph H.I. DOT D8-Oates PTB 183-12W0-3\Struct Design\SN 082-0239640\CADD\CADD Sheets\0820239_0240-76E13-015-Scupper.dgn



Notes:
 All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.
 Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.
 Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
 As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.
 Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.
 The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
 Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.
 Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



See sheet 3 of 15 for scupper location.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	3

DS-11 2-17-2017



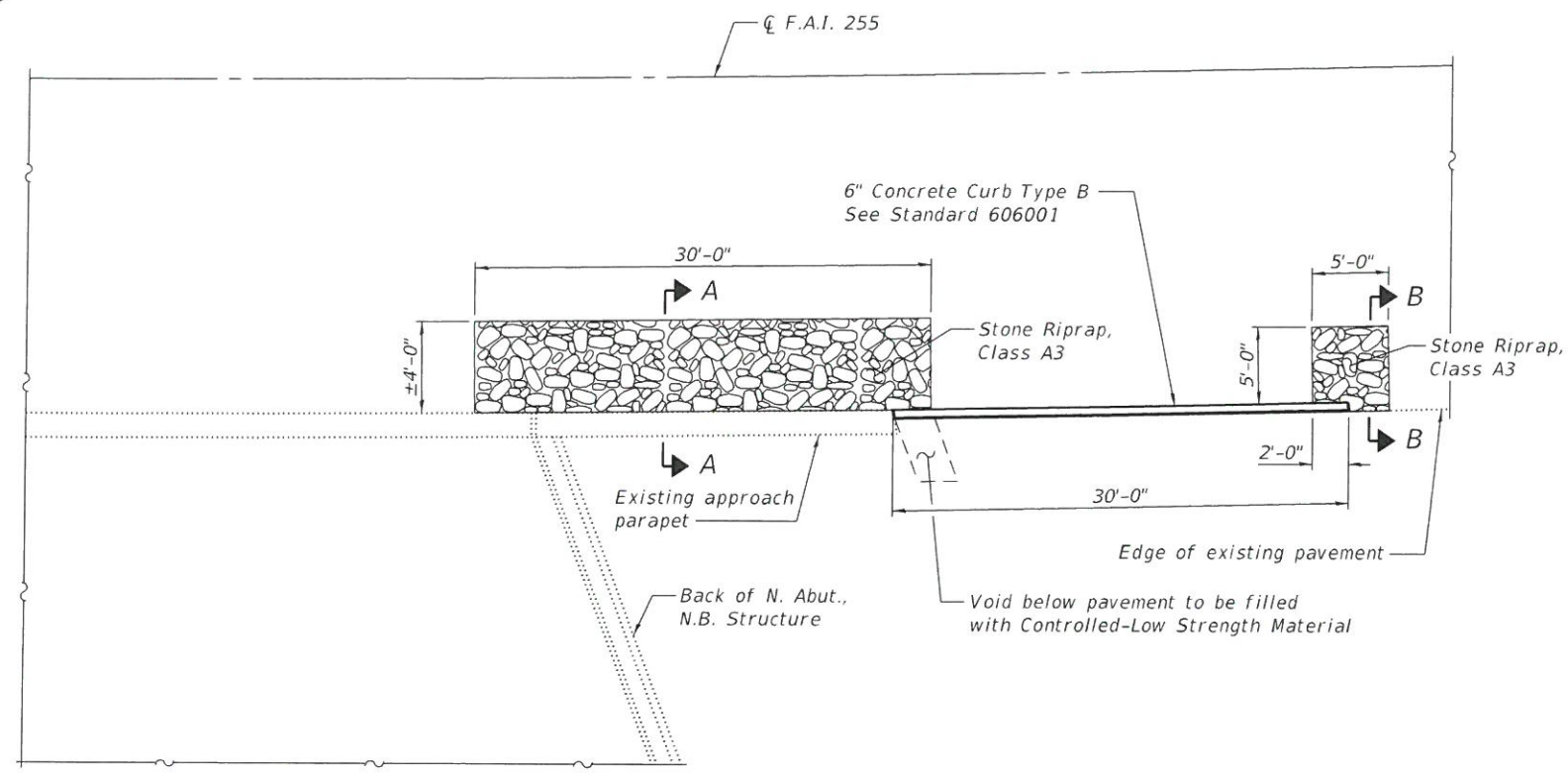
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

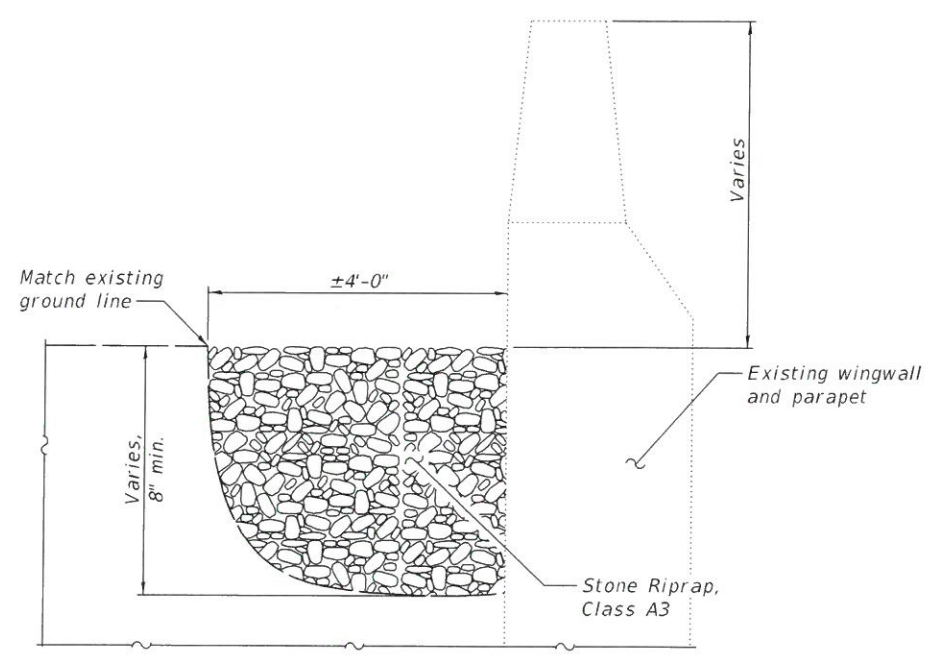
DRAINAGE SCUPPER, DS-11
 STRUCTURE NO. 082-0240

SHEET 15 OF 15 SHEETS

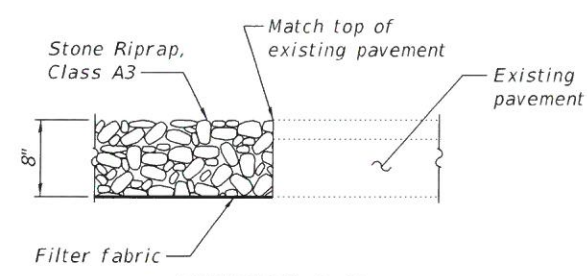
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	271
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



PLAN



SECTION A-A



SECTION B-B

GENERAL NOTES

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. See Special Provisions.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provisions for "Cleaning and Painting Existing Steel Structures." All structural steel located within 10 feet from expansion joints including the exterior surface and bottom flange of the fascia beams for the entire length of the structure shall be cleaned per Near-White Blast Cleaning SSPC-SP10.

The designated areas cleaned per Near-White Blast Cleaning SSPC-SP10 shall be painted according to the requirements of paint system 1 - OZ/E/U. The color of the final finish coat shall be Reddish Brown (Munsell No. 2.5YR 3/4).

A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

The painting contractor shall be SPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Care shall be taken not to damage rubber bearing or joint components during the blasting and cleaning operations. Any damage to these components shall be repaired at the Contractor's expense.

INDEX OF SHEETS

Sheet No.	Description
1	Details
2-9	Existing Bridge Plans

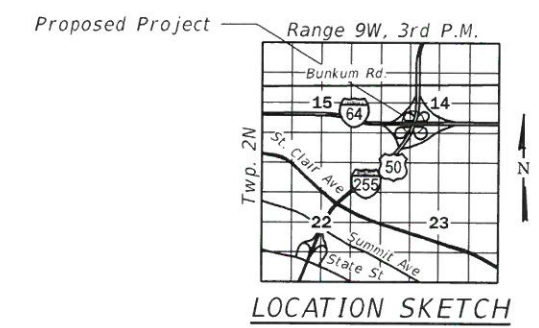
SCOPE OF WORK

1. Paint structural steel near beam ends
2. Construct concrete curb
3. Fill void under pavement with CLSM
4. Place riprap

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
① Stone Riprap, Class A3	Sq. Yd.	17
Filter Fabric	Sq. Yd.	3
① Controlled Low-Strength Material	Cu. Yd.	4.0
Concrete Curb, Type B	Foot	30
Containment and Disposal of Lead Paint Cleaning Residues No. 7	L. Sum	1
Containment and Disposal of Lead Paint Cleaning Residues No. 19	L. Sum	1
Cleaning and Painting Steel Bridge No. 7	L. Sum	1
Cleaning and Painting Steel Bridge No. 19	L. Sum	1

Notes:
 ① Estimated quantities. Field conditions shall be verified prior to ordering of materials.



DETAILS

I-255 OVER I-64
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 1051+31.83
STRUCTURE NO. 082-0241 (NB)
STRUCTURE NO. 082-0242 (SB)

DATE: 8/9/2019
 EXPIRATION: 11/30/2020

FILE NAME: H:\P1\70251\7025.003\bridge\Microstation\0820241_0242-76E13-001_Details.dgn

OATES ASSOCIATES
 www.oatesassociates.com
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME =	DESIGNED - MAM	REVISED -
PLOT SCALE =	CHECKED - SJN	REVISED -
PLOT DATE = 8/2/2019	DRAWN - MAM	REVISED -
	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	272

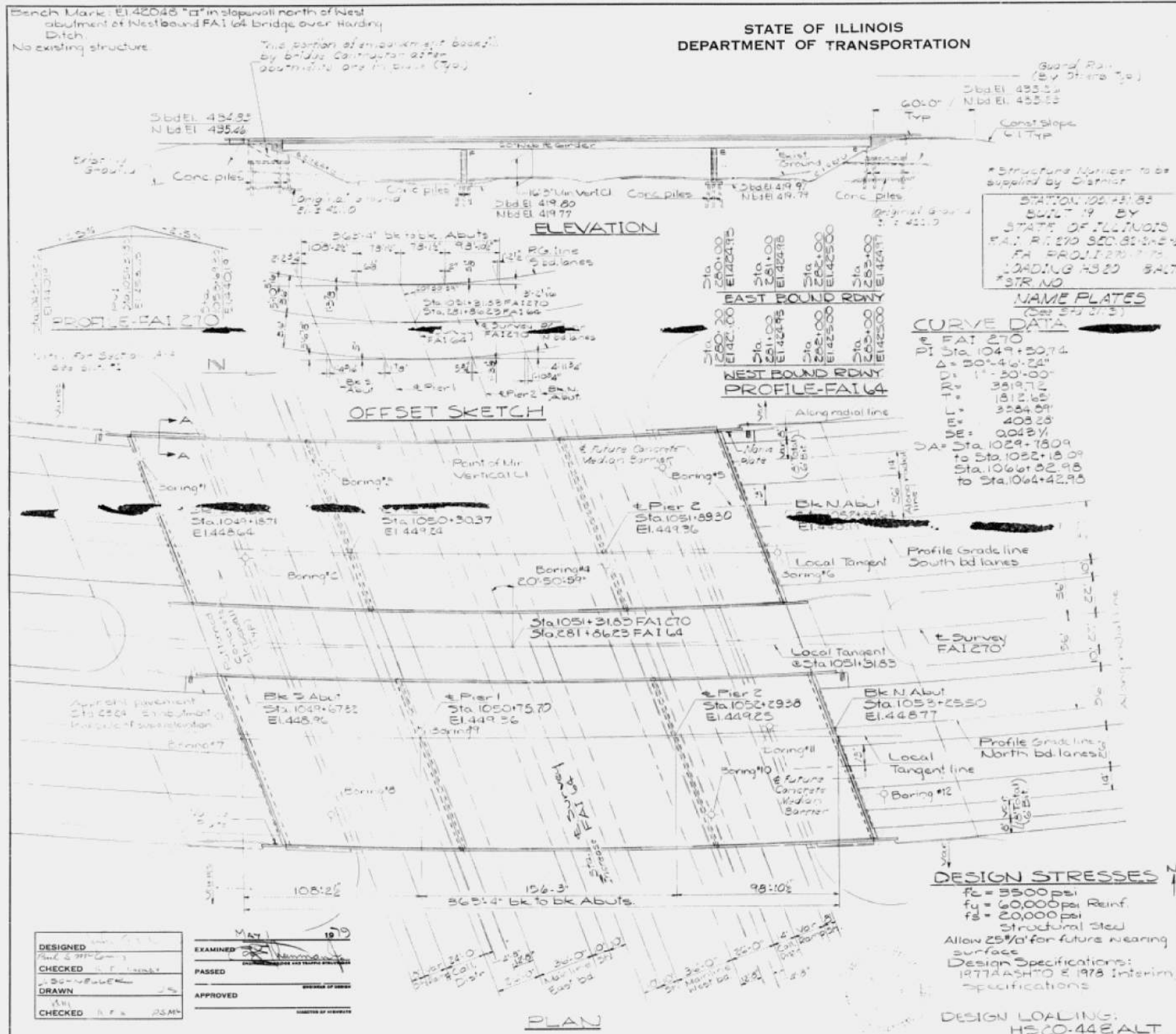
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	DATE	SHEET NO.	TOTAL SHEETS
270	82-2HB-2	05/19/19	273	280

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of A.S.T.M. A-615 or 10-65 Grade 60. See Appendix for Barring Data.
 2. Materials shall be high strength, per Table 8.2, except rebar, unless otherwise noted.
 3. Calculated Weight of Structural Steel = 29,353 lbs.
 4. The public shall provide appropriate permits and shall be responsible for the cost of obtaining of Structural Steel permits. The cost shall be shown. See Section 17.01.10.
 5. The location of construction, equipment, etc., shall be determined by the contractor. The contractor shall be responsible for a distance equal to one-half the width of the work area from the right-of-way. The contractor shall be permitted only when approved by the District.
 6. All work shall be done in accordance with the cross frames and details.
 7. The bridge shall be designed with a design speed of 55 mph.



TOTAL BILL OF MATERIAL

ITEM	UNIT	SURF	SUB	TOTAL
Class A Concrete	Cu Yds	5874	10804	16678
Class X Concrete	Cu Yds	14.4	941	955.4
Reinforcing Steel	Sq Yds	93.91	93.91	187.82
Steel Bridge Connectors (24)	Each	1,951	1,951	3,902
Structural Steel	Lbs.	29,353	29,353	58,706
Reinforcing Bars	Lbs.	29,353	29,353	58,706
Paint (Heavy Coats)	Lbs.	429.87	429.87	859.74
Concrete Piles	Lin Ft	25,814	25,814	51,628
Test Piles (Concrete)	Each	4	4	8
Measuring Equipment (2)	Lin Ft	542	542	1,084
Measuring Equipment (2)	Lin Ft	542	542	1,084
Warning Poles	Each	5	5	10
Slopeside (4)	Sq Yds	1572	1572	3,144
Structure Erection	Cu Yds	1085	1085	2,170

DESIGNED	EXAMINED	APPROVED
CHECKED	PASSED	
DRAWN		
CHECKED		

MAY 19 19

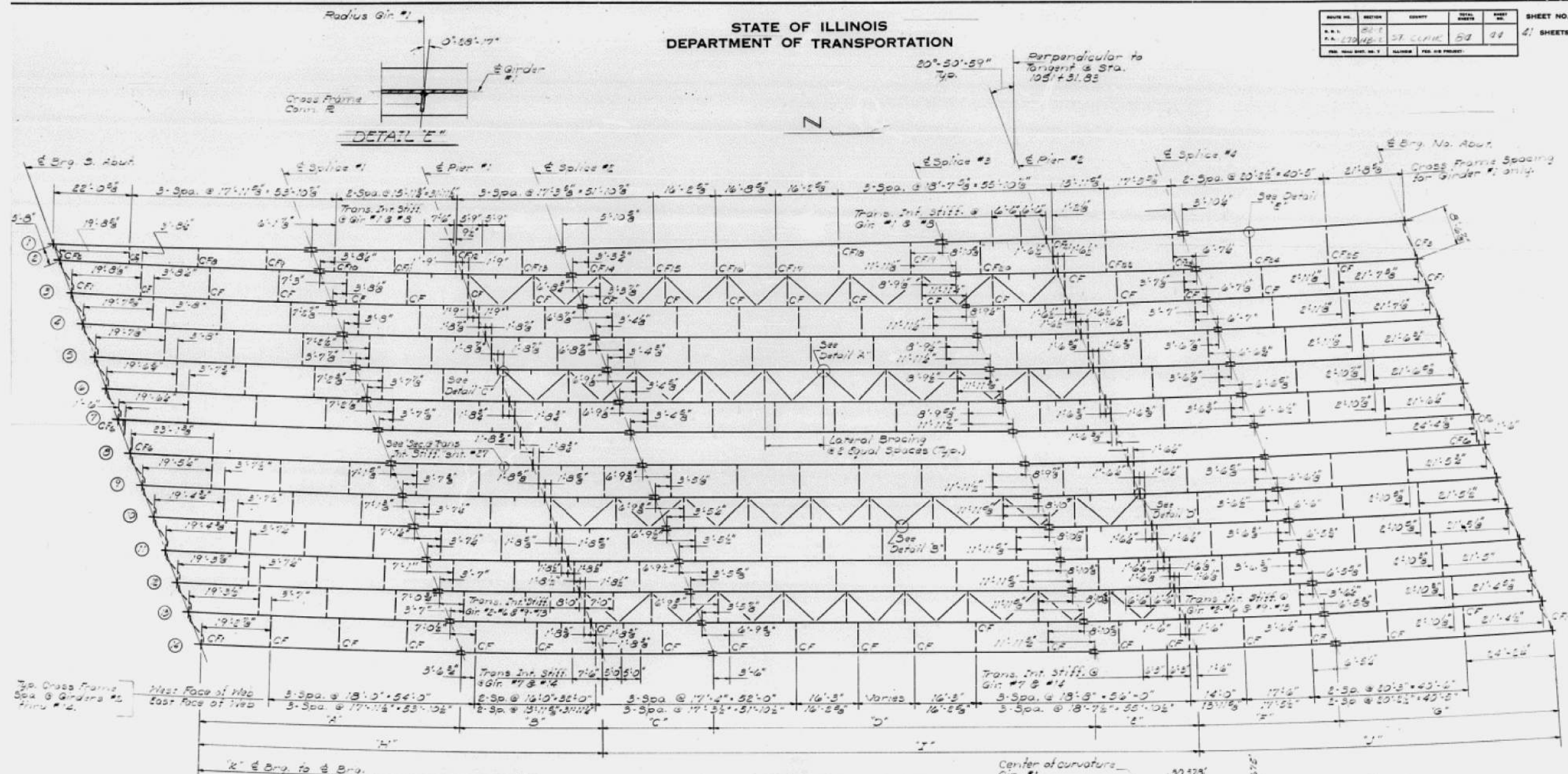
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	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8/2/2019	82-3(2)RS	ST. CLAIR	280	274

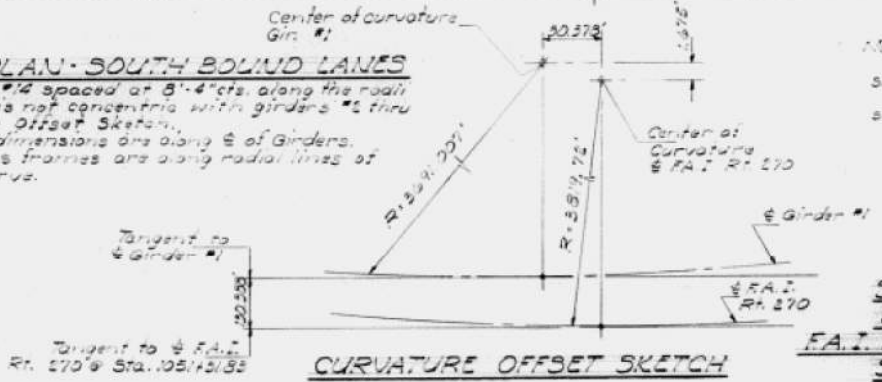
SHEET NO. 21
41 SHEETS



GIRDER RADII

Girder	Radius
1	3691.007'
2	3696.303'
3	3704.637'
4	3712.970'
5	3721.303'
6	3729.637'
7	3737.970'
8	3746.303'
9	3754.637'
10	3762.970'
11	3771.303'
12	3779.637'
13	3787.970'
14	3796.303'

FRAMING PLAN - SOUTH BOUND LANES
Girders #2 thru #14 spaced at 8'-4" c/c along the road lines. Girder #1 is not concentric with girders #2 thru #14. See Curve Offset Sketch.
All longitudinal dimensions are along \bar{c} of Girders.
All interior cross frames are along radial lines of F.A.I. Rt. 270 curve.



STRUCTURAL STEEL
SO. BOUND LANES
F.A.I. RT. 270 SEC. 82-243-2
ST. CLAIR COUNTY
STA. 105+31.83

DESIGNED: John A. Illions
CHECKED: Paul S. M. Casey
DRAWN: J. SCHNELLER
CHECKED: [Signature]

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0241 & 082-0242

SHEET 3 OF 9 SHEETS

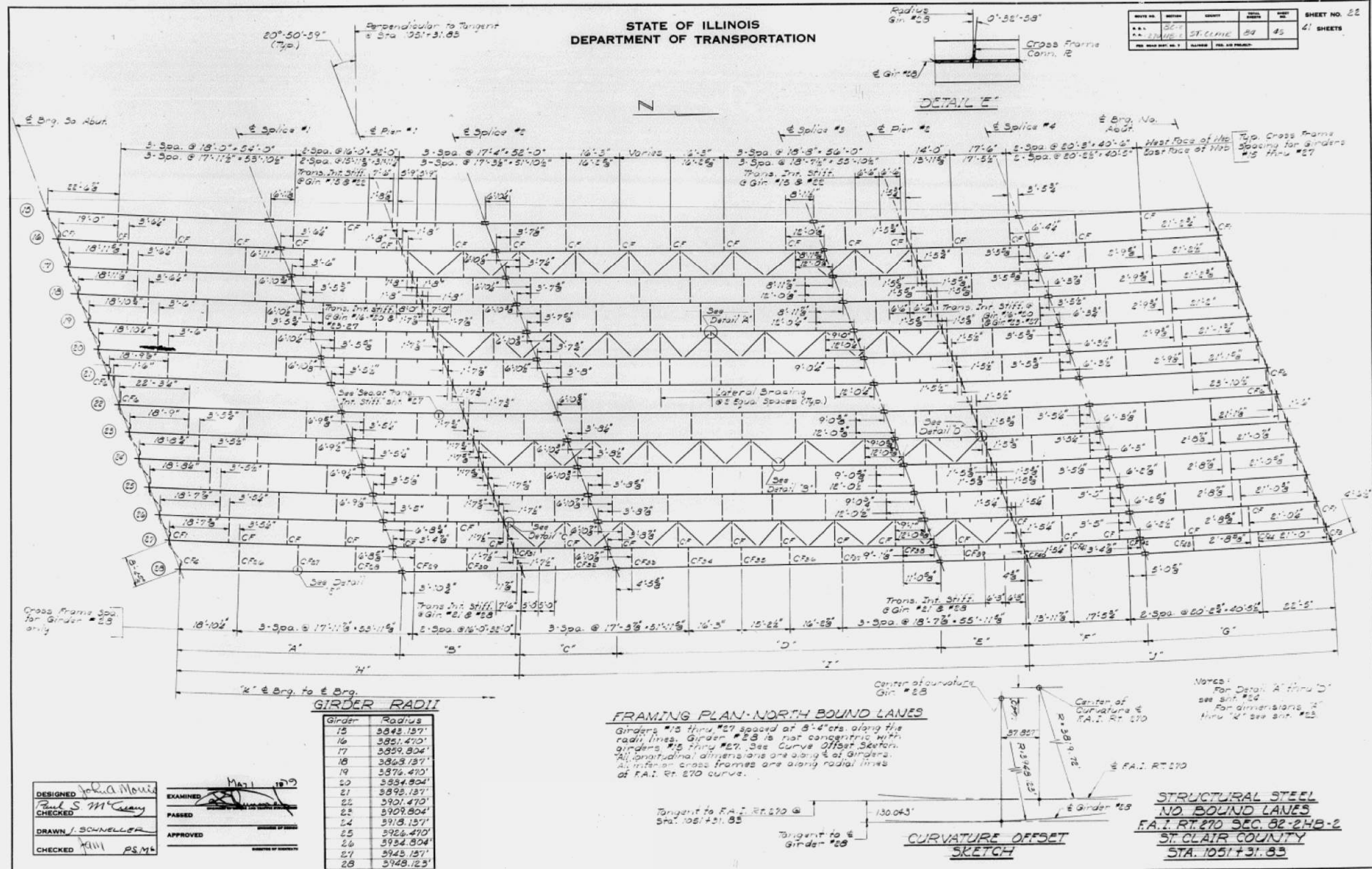
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255	82-3(2)RS	ST. CLAIR	280	274
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	REVISION	TOTAL SHEETS	SHEET NO.
08/20/2019	J.M.	1	89	45

SHEET NO. 22
41 SHEETS



FOR INFORMATION ONLY

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DESIGNED	Paul S. M'Creary	DESIGNED	Johia Mousi
CHECKED	J.M.	CHECKED	J.M.
DRAWN	J. SCHNEIDER	DRAWN	J. SCHNEIDER
CHECKED	J.M.	CHECKED	J.M.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

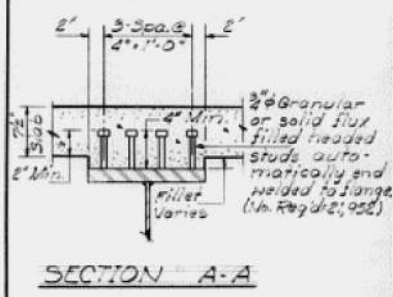
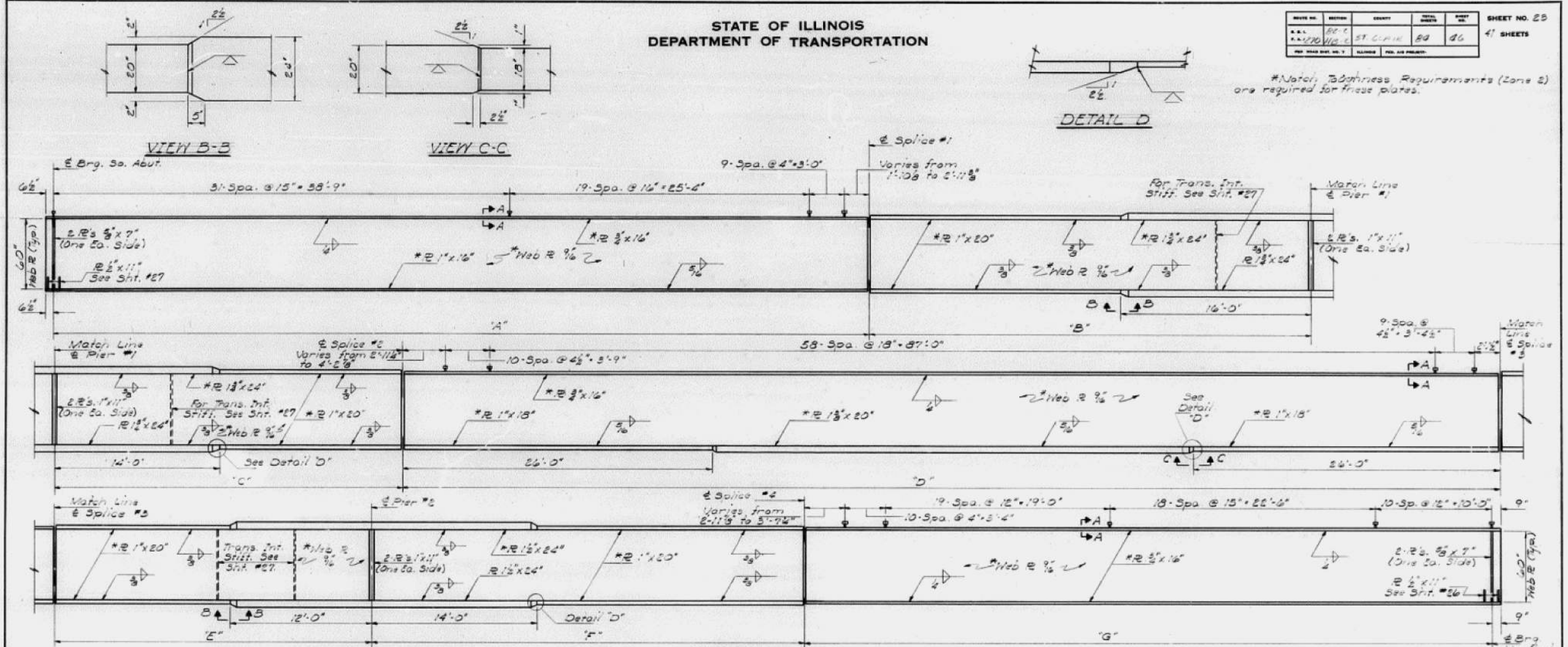
EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0241 & 082-0242
SHEET 4 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3,2)RS	ST. CLAIR	280	275
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	REV	NO.	SHEET NO. 25
8/2/2019	JSM	JSM		06	41 SHEETS



G.#	Span #1					Span #2					Span #3	Span #4	Span #5	Span #6	Span #7	Span #8	Span #9	Span #10
	A	B	C	D	E	F	G	H	I	J								
1	69'9 1/2"	37'5 3/8"	29'6 1/8"	100'2 1/8"	26'10 1/8"	36'5 3/8"	58'3 3/8"	107'1 1/8"	156'1 1/8"	94'9 1/8"	358'5 3/8"							
2	70'0 1/8"	37'5 3/8"	29'7 1/8"	100'2 1/8"	26'11 1/8"	36'6 3/8"	58'3 3/8"	107'1 1/8"	157'0 1/8"	95'0 1/8"	359'6 3/8"							
3	70'0 1/8"	37'5 3/8"	29'7 1/8"	100'2 1/8"	26'11 1/8"	36'6 3/8"	58'3 3/8"	107'1 1/8"	156'11 1/8"	94'11 1/8"	359'4 3/8"							
4	69'11 1/8"	37'4 3/8"	29'7 1/8"	100'1 1/8"	26'11 1/8"	36'6 3/8"	58'4 3/8"	107'4 3/8"	156'11 1/8"	94'11 1/8"	359'3 3/8"							
5	69'11 1/8"	37'4 3/8"	29'6 3/8"	100'1 1/8"	26'11 1/8"	36'6 3/8"	58'4 3/8"	107'4 3/8"	156'10 1/8"	94'11 1/8"	359'1 3/8"							
6	69'10 3/8"	37'4 3/8"	29'6 3/8"	100'1 1/8"	26'11 1/8"	36'6 3/8"	58'4 3/8"	107'3 3/8"	156'9 1/8"	94'10 3/8"	359'0 3/8"							
7	69'10 3/8"	37'4 3/8"	29'6 3/8"	100'1 1/8"	26'10 3/8"	36'6 3/8"	58'4 3/8"	107'3 3/8"	156'9 1/8"	94'10 3/8"	359'0 3/8"							
8	69'10 3/8"	37'4 3/8"	29'6 3/8"	100'1 1/8"	26'10 3/8"	36'6 3/8"	58'4 3/8"	107'2 3/8"	156'8 1/8"	94'10 3/8"	358'9 3/8"							
9	69'9 1/8"	37'4 3/8"	29'6 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'4 3/8"	107'1 1/8"	156'7 1/8"	94'9 1/8"	358'7 3/8"							
10	69'9 1/8"	37'3 3/8"	29'6 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'3 3/8"	107'1 1/8"	156'7 1/8"	94'9 1/8"	358'7 3/8"							
11	69'9 1/8"	37'3 3/8"	29'6 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'3 3/8"	107'0 1/8"	156'6 1/8"	94'9 1/8"	358'6 1/8"							
12	69'8 3/8"	37'3 3/8"	29'5 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'3 3/8"	107'0 1/8"	156'6 1/8"	94'8 3/8"	358'5 3/8"							
13	69'8 3/8"	37'3 3/8"	29'5 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'3 3/8"	106'11 1/8"	156'5 1/8"	94'8 3/8"	358'4 1/8"							
14	69'8 3/8"	37'3 3/8"	29'5 3/8"	100'1 1/8"	26'10 3/8"	36'5 3/8"	58'3 3/8"	106'11 1/8"	156'4 1/8"	94'8 3/8"	358'4 1/8"							

G.#	Span #1					Span #2					Span #3	Span #4	Span #5	Span #6	Span #7	Span #8	Span #9	Span #10
	A	B	C	D	E	F	G	H	I	J								
15	69'6 1/8"	37'2 3/8"	29'4 3/8"	99'10 1/8"	26'9 1/8"	36'4 3/8"	58'2 3/8"	106'5 1/8"	155'1 1/8"	94'6 1/8"	357'4 1/8"							
16	69'5 3/8"	37'2 3/8"	29'4 3/8"	99'10 1/8"	26'9 1/8"	36'4 3/8"	58'2 3/8"	106'5 1/8"	155'1 1/8"	94'6 1/8"	357'3 1/8"							
17	69'5 3/8"	37'2 3/8"	29'4 3/8"	99'10 1/8"	26'9 1/8"	36'4 3/8"	58'2 3/8"	106'5 1/8"	155'0 3/8"	94'5 3/8"	357'2 3/8"							
18	69'5 3/8"	37'1 3/8"	29'4 3/8"	99'9 1/8"	26'9 1/8"	36'4 3/8"	58'2 3/8"	106'5 1/8"	155'0 3/8"	94'5 3/8"	357'1 3/8"							
19	69'5 3/8"	37'1 3/8"	29'4 3/8"	99'9 1/8"	26'9 1/8"	36'4 3/8"	58'1 3/8"	106'4 3/8"	155'0 3/8"	94'5 3/8"	357'1 3/8"							
20	69'4 3/8"	37'1 3/8"	29'4 3/8"	99'9 1/8"	26'9 1/8"	36'4 3/8"	58'1 3/8"	106'4 3/8"	155'0 3/8"	94'5 3/8"	357'0 3/8"							
21	69'4 3/8"	37'1 3/8"	29'4 3/8"	99'8 3/8"	26'9 1/8"	36'4 3/8"	58'1 3/8"	106'4 3/8"	155'0 3/8"	94'5 3/8"	356'9 3/8"							
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23	69'3 3/8"	37'1 3/8"	29'4 3/8"	99'8 3/8"	26'9 1/8"	36'3 3/8"	58'0 3/8"	106'4 3/8"	155'0 3/8"	94'4 3/8"	356'8 3/8"							
24	69'3 3/8"	37'0 3/8"	29'3 3/8"	99'7 3/8"	26'9 1/8"	36'3 3/8"	58'0 3/8"	106'4 3/8"	155'0 3/8"	94'4 3/8"	356'7 3/8"							
25	69'3 3/8"	37'0 3/8"	29'3 3/8"	99'7 3/8"	26'8 3/8"	36'3 3/8"	58'0 3/8"	106'3 3/8"	155'0 3/8"	94'4 3/8"	356'6 3/8"							
26	69'2 3/8"	37'0 3/8"	29'3 3/8"	99'7 3/8"	26'8 3/8"	36'3 3/8"	58'0 3/8"	106'3 3/8"	155'0 3/8"	94'3 3/8"	356'5 3/8"							
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28	68'11 1/8"	36'10 3/8"	29'2 3/8"	99'6 3/8"	26'7 1/8"	36'3 3/8"	58'0 3/8"	106'3 3/8"	155'0 3/8"	94'3 3/8"	356'4 3/8"							

NOTES:
1. See of Web Elevations and Carriageway Diagrams see sheet #26.

DESIGNED: John A. Morris
CHECKED: Paul S. McCarney
DRAWN: J. SCHNELLER
CHECKED: JAM, RSM

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

STRUCTURAL STEEL
F.A.I. RT. 270 SEC. 82-24B-2
ST. CLAIR COUNTY
STA. 1051+31.83

FOR INFORMATION ONLY

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PLOT SCALE =
PLOT DATE = 8/2/2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

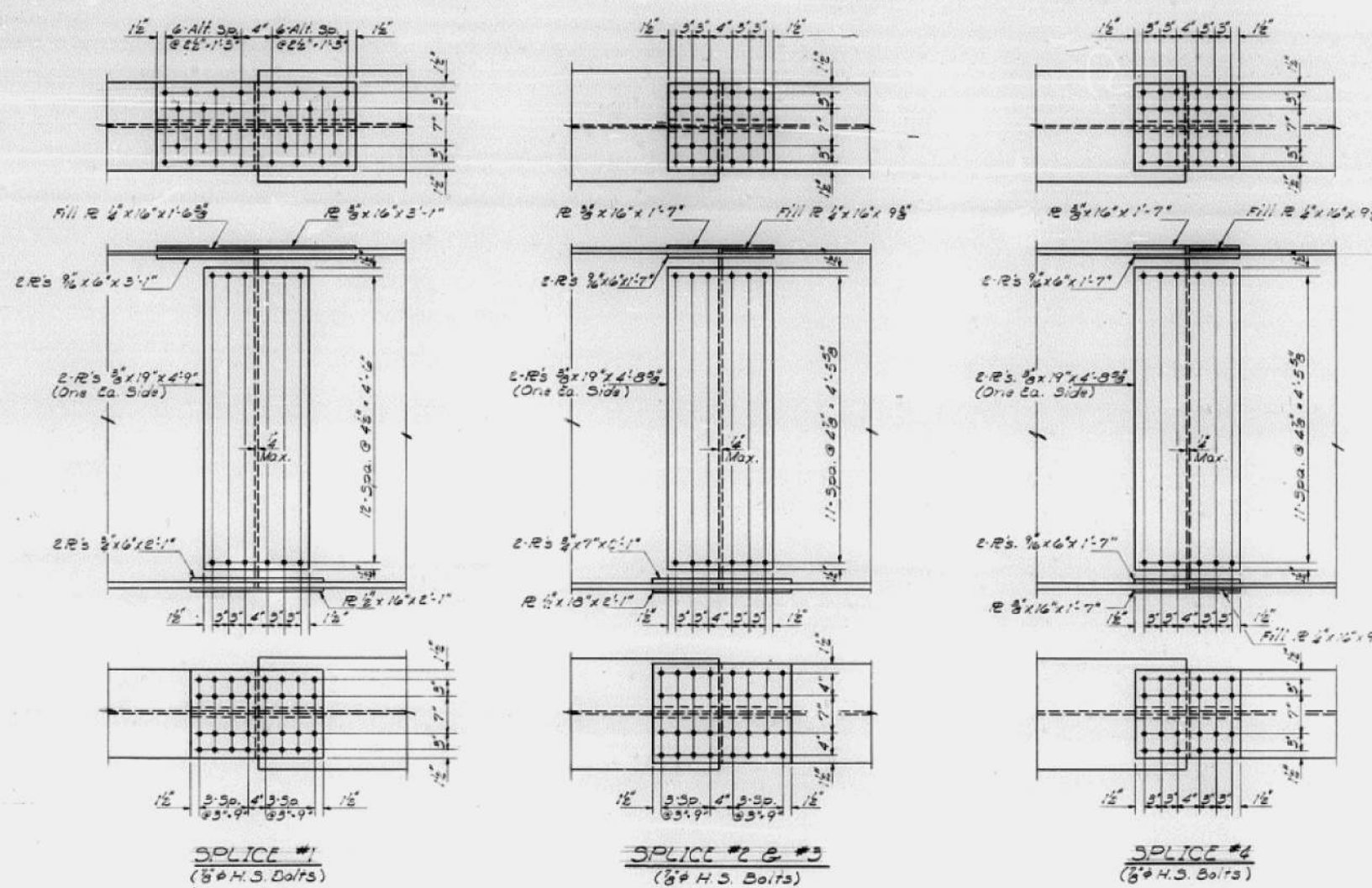
EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0241 & 082-0242
SHEET 5 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	276
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

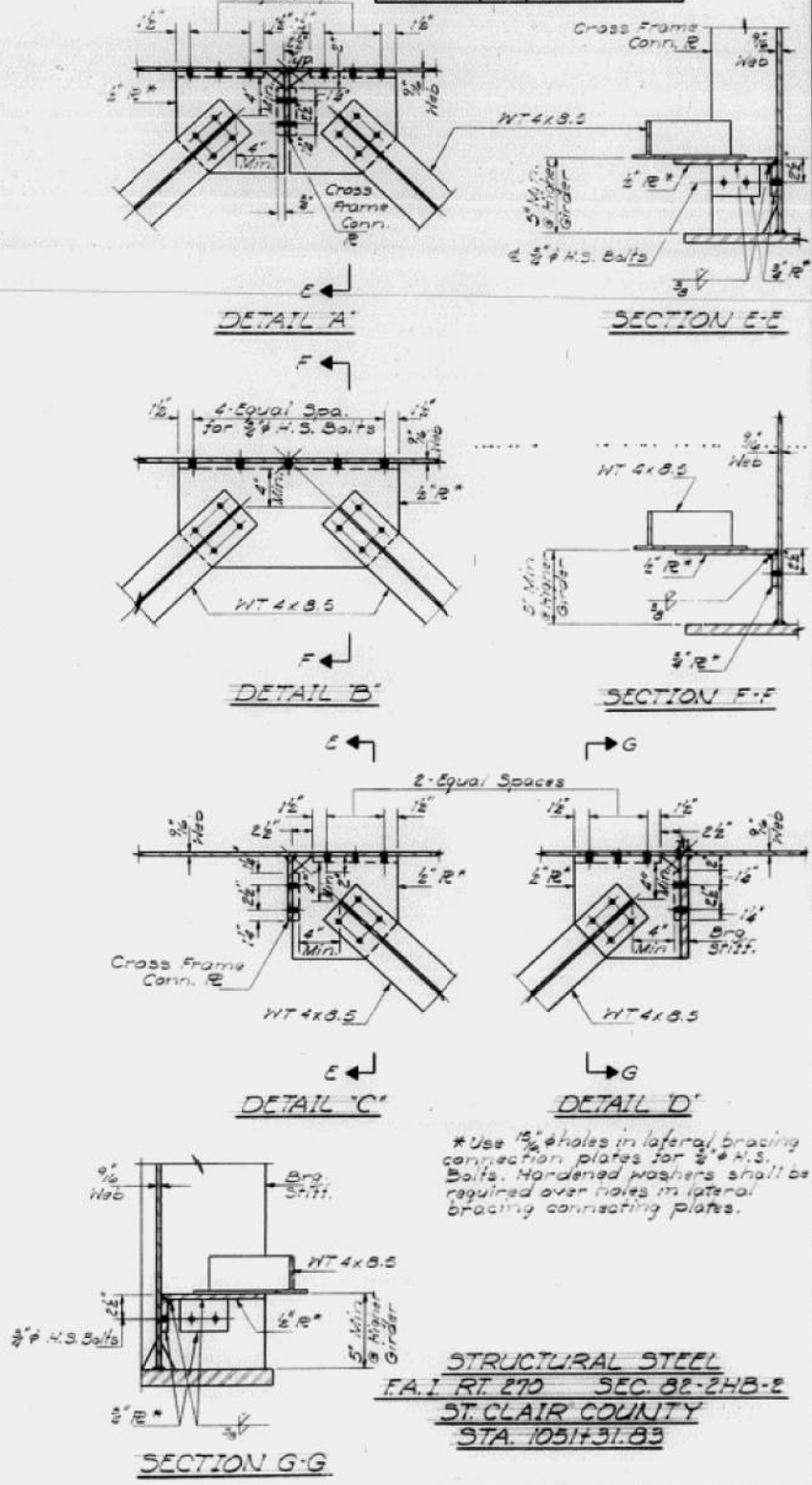
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	BY	CHKD	APP'D	SHEET NO.
11/13/18	ST. CLAIR	89	47	41 SHEETS



All splice plates (except fill R's) are subject to Notch Toughness Requirements Zone E.

DESIGNED <i>John A. Mauer</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>Paul S. M. Casey</i>	PASSED
DRAWN <i>J. SCHNELLER</i>	APPROVED
CHECKED <i>KIM</i>	<i>PS.M</i>



* Use 15# holes in lateral bracing connection plates for 3/4" H.S. Bolts. Hardened washers shall be required over holes in lateral bracing connecting plates.

STRUCTURAL STEEL
F.A.I. RT 270 SEC. 82-24B-2
ST. CLAIR COUNTY
STA. 1051+31.83

FOR INFORMATION ONLY

FILE NAME: H:\PI\17025\17025.003\Bldge\Microstation\0820241_0242-76E13-006_Existing Bridge Plans.dgn



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE = 8/2/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

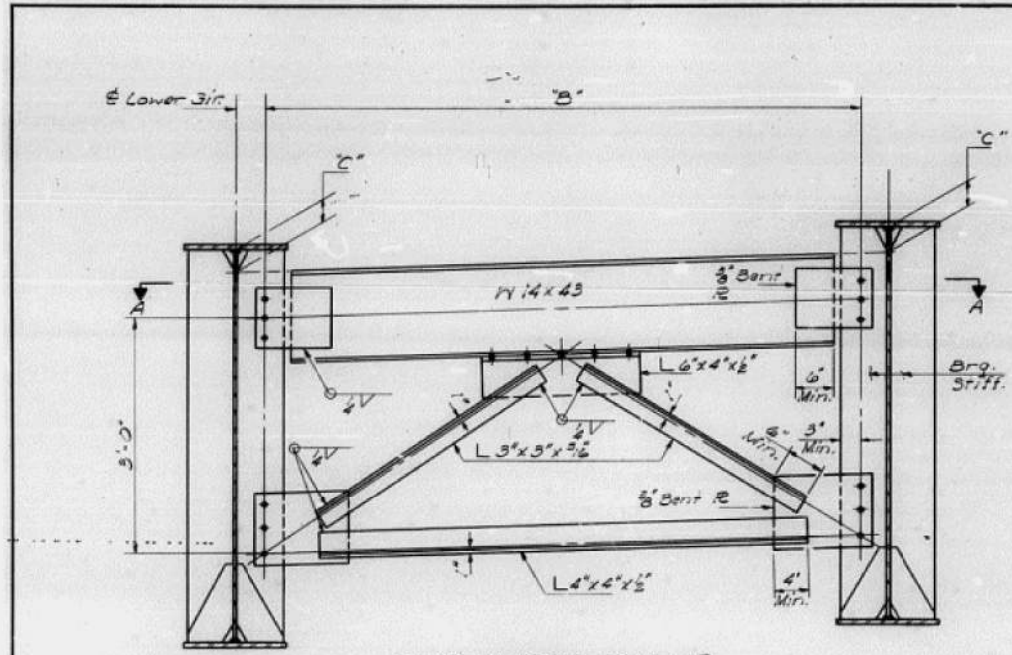
EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0241 & 082-0242
SHEET 6 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	277
CONTRACT NO. 76E13				

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS	SHEET NO. 25
82-1	ST. CLAIR	84	45	41 SHEETS

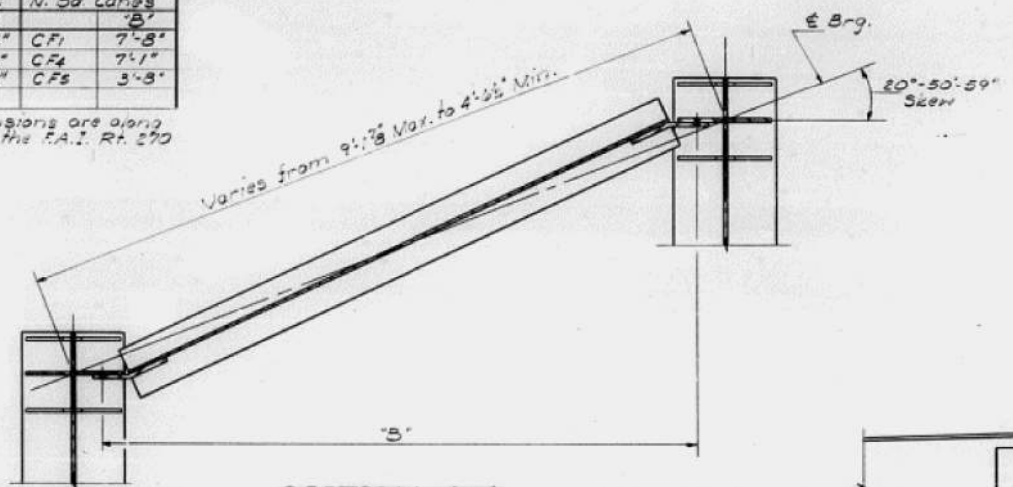


END CROSS FRAME
(No. Req'd = 44 - CF1 & 1 each of CFs thru CF5.)

***DIM. "B"**

S. Bd. Lanes	N. Bd. Lanes	S. Bd. Lanes	N. Bd. Lanes
CF1	7'-3"	CF1	7'-8"
CF2	4'-6"	CF4	7'-1"
CF3	7'-5"	CF5	3'-8"

*"B" dimensions are along the radii of the F.A.I. Rt. 270 curve.



SECTION A-A

DIM. "C"

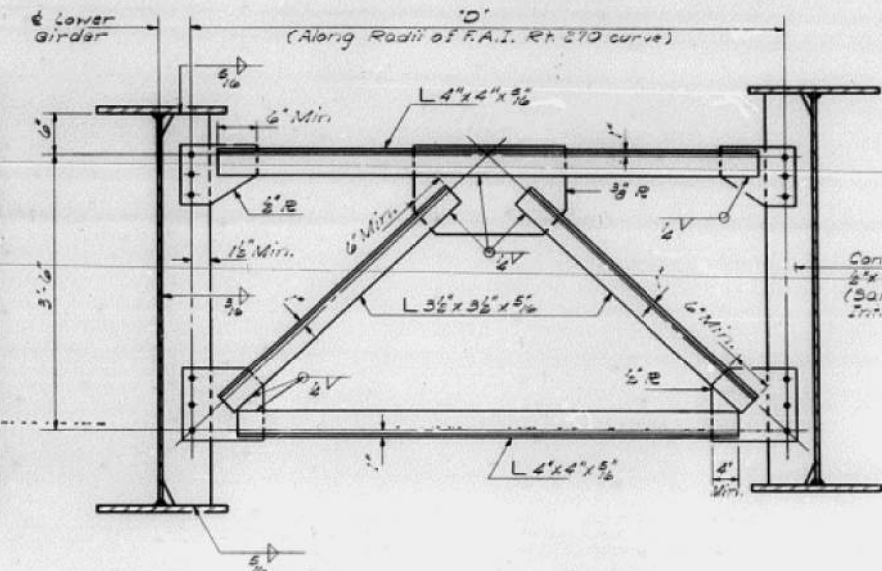
South Bound Lanes															
Loc.	Gir.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
S. Abut.	3'	3 1/2'	3 1/2'	3 1/2'	3 1/2'	3'	3'	3'	3 1/2'	4 1/2'	4 1/2'	3 1/2'	3 1/2'	3'	3'
N. Abut.	3'	3 1/2'	3 1/2'	4 1/2'	4 1/2'	3'	3'	3'	4 1/2'	4 1/2'	3 1/2'	3 1/2'	3 1/2'	3 1/2'	3'

North Bound Lanes															
Loc.	Gir.	15	16	17	18	19	20	21	22	23	24	25	26	27	28
S. Abut.	3'	3 1/2'	3 1/2'	4 1/2'	4 1/2'	5 1/2'	3'	3'	3'	4 1/2'	4 1/2'	3 1/2'	3 1/2'	3'	3'
N. Abut.	3'	3 1/2'	4"	4 1/2'	5'	5 1/2'	3'	3'	3'	4 1/2'	4'	3 1/2'	3 1/2'	3'	3'

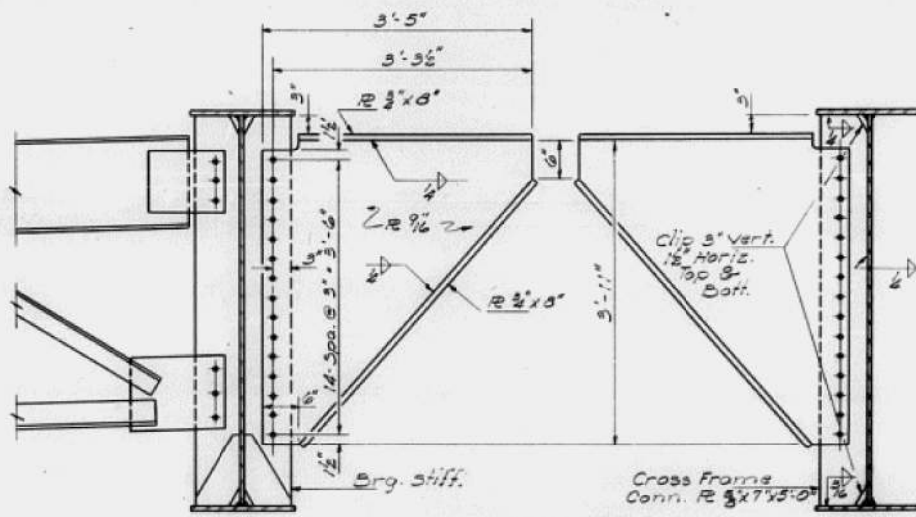
DIM. "D"

S. Bd. Lanes	No. Bd. Lanes	C.F.	"D"	C.F.	"D"
CF1	7'-5"	CF	7'-5"	CF1	7'-5"
CF7	4'-5"	CF21	6'-7 1/2"	CF7	4'-5"
CF8	4'-8 1/2"	CF22	6'-5 1/2"	CF8	4'-8 1/2"
CF9	4'-10 1/2"	CF23	6'-3 1/2"	CF9	4'-10 1/2"
CF10	5'-0"	CF24	6'-1 1/2"	CF10	5'-0"
CF11	5'-1 1/2"	CF25	5'-11 1/2"	CF11	5'-1 1/2"
CF12	5'-1 1/2"	CF26	5'-9 1/2"	CF12	5'-1 1/2"
CF13	5'-5 1/2"	CF27	5'-7 1/2"	CF13	5'-5 1/2"
CF14	5'-5 1/2"	CF28	5'-5 1/2"	CF14	5'-5 1/2"
CF15	5'-6 1/2"	CF29	5'-3 1/2"	CF15	5'-6 1/2"
CF16	5'-8 1/2"	CF30	5'-1 1/2"	CF16	5'-8 1/2"
CF17	5'-10 1/2"	CF31	5'-0 1/2"	CF17	5'-10 1/2"
CF18	5'-11 1/2"	CF32	4'-10 1/2"	CF18	5'-11 1/2"
CF19	6'-1 1/2"	CF33	4'-8 1/2"	CF19	6'-1 1/2"
CF20	6'-5 1/2"	CF34	4'-6"	CF20	6'-5 1/2"
CF21	6'-5"	CF35	4'-3 1/2"	CF21	6'-5"
CF22	6'-6 1/2"	CF36	4'-2 1/2"	CF22	6'-6 1/2"
CF23	6'-8 1/2"	CF37	4'-0 1/2"	CF23	6'-8 1/2"
CF24	6'-10 1/2"	CF38	3'-9 1/2"	CF24	6'-10 1/2"
CF25	7'-0"	CF39	3'-7 1/2"	CF25	7'-0"

NOTES:
Use 3/4" H.S. Bolts with 1 1/8" holes in angles and gusset plates.
Hardened washers shall be required over holes in angles and gusset plates.



TYP. INTERIOR CROSS FRAMES
(No. Req'd = 418 - CF & 1 each of CFs thru CF44)



CROSS FRAME CF6
(No. Req'd = 4)

STRUCTURAL STEEL
F.A.I. RT. 270 SEC. 82-24B-2
ST. CLAIR COUNTY
STA. 1051+31.83

DESIGNED *Paul S. M. Casey*
CHECKED *Paul S. M. Casey*
DRAWN *J. SCHNELLER*
CHECKED *JMM P.S.M.*

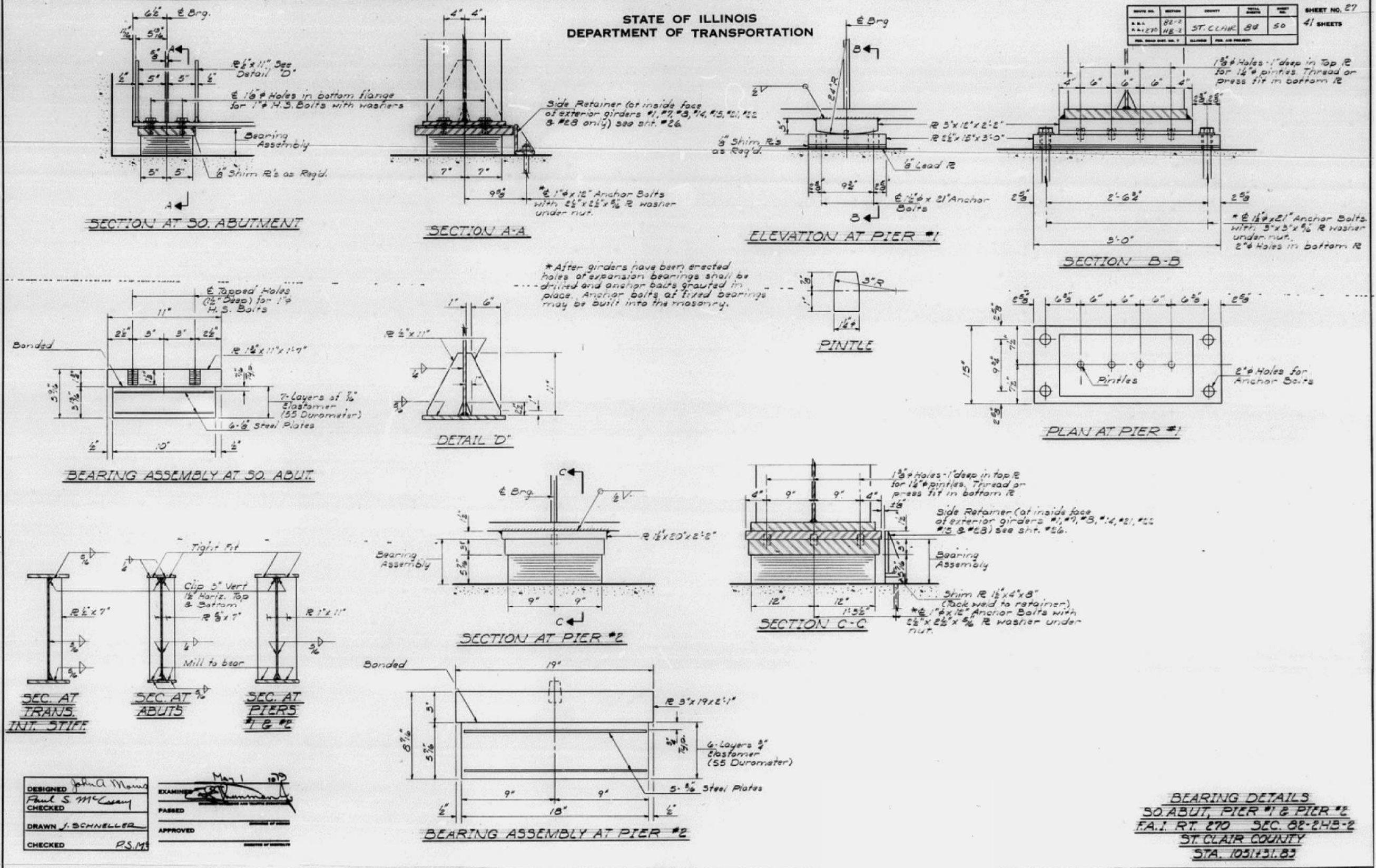
EXAMINED *[Signature]*
PASSED
APPROVED

FOR INFORMATION ONLY

FILE NAME: H:\P\17025\17025\003\Bridges\Microstation\0820241_0242-76E13-007_Existing Bridge Plans.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
82-2	HE-2	ST. CLAIR	50	41
SHEET NO. 27				
41 SHEETS				



FOR INFORMATION ONLY

DESIGNED	John A. Manna
CHECKED	Paul S. McCaskey
DRAWN	J. SCHNELLER
CHECKED	RS.M

EXAMINED	May 1 2022
PASSED	
APPROVED	

FILE NAME: H:\P\17025\17025.003\Bridg\Microstation\0820241_0242-76E13-009_Existing Bridge Plans.dgn



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 8/2/2019	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 082-0241 & 082-0242

SHEET 9 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	280
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				