

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED HIGHWAY PLANS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-1-1	ST. CLAIR	361	1
		ILLINOIS	CONTRACT NO. 76B55	

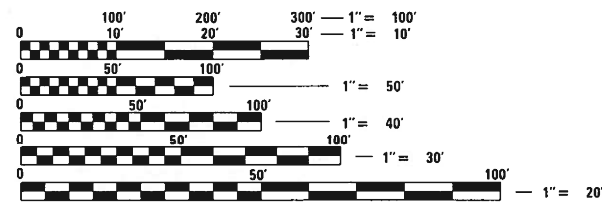
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- 322-361 S.N. 082-0140-STRUCTURE REPAIRS

EB COLLECTOR-DISTRIBUTOR
FUNCTIONAL CLASSIFICATION: INTERSTATE
 2017 ADT = 32,400
 2037 ADT = 35,800
 SU = 3.2%
 MU = 9.3%

EB MAINLINE: ROADWAY C (I-55N /I-64E)
FUNCTIONAL CLASSIFICATION: INTERSTATE
 2017 ADT = 20,100
 2037 ADT = 22,200
 SU = 1.9%
 MU = 6.7%

EB POPLAR STREET BRIDGE
FUNCTIONAL CLASSIFICATION: INTERSTATE
 2019 ADT = 60,000
 2039 ADT = 69,000
 SU = 2.5%
 MU = 6.5%



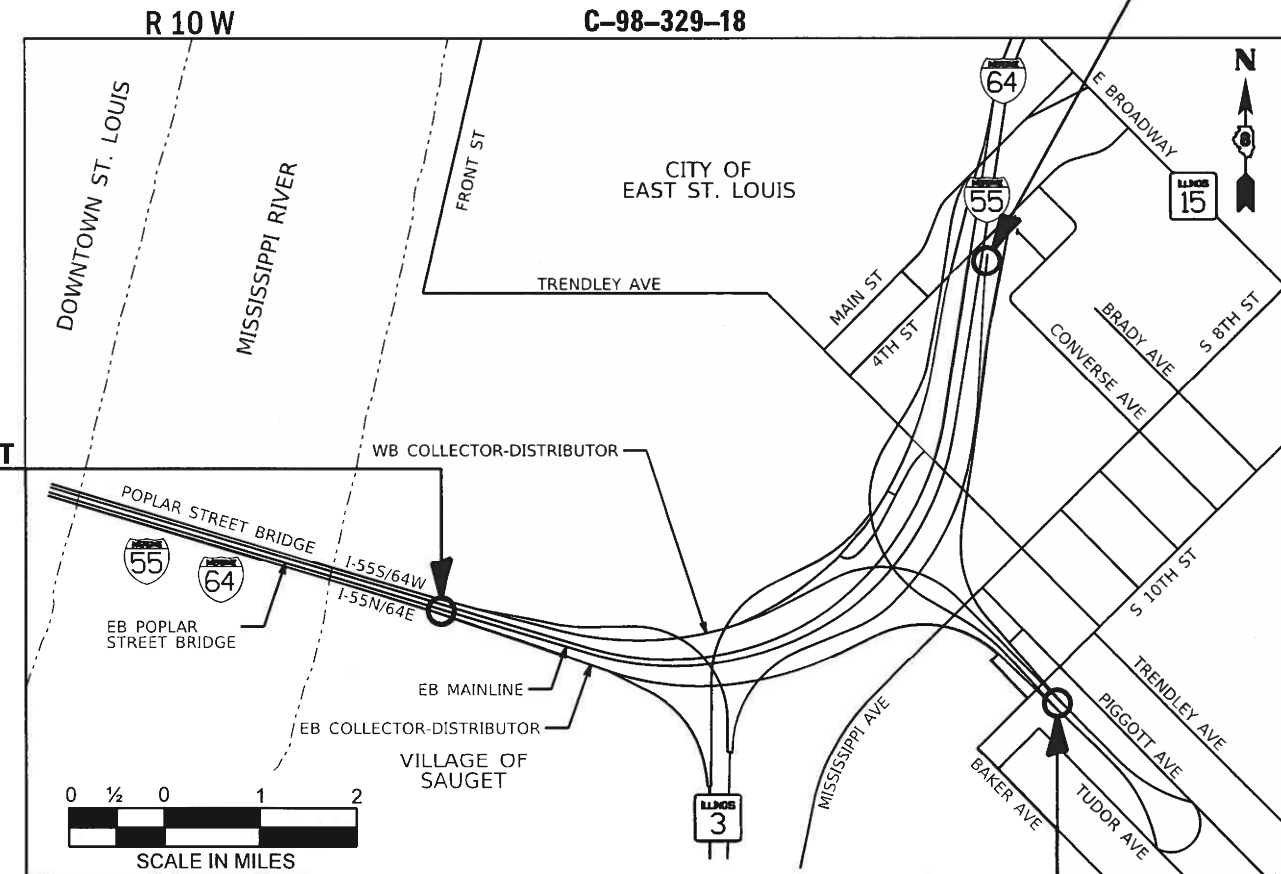
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 76B55

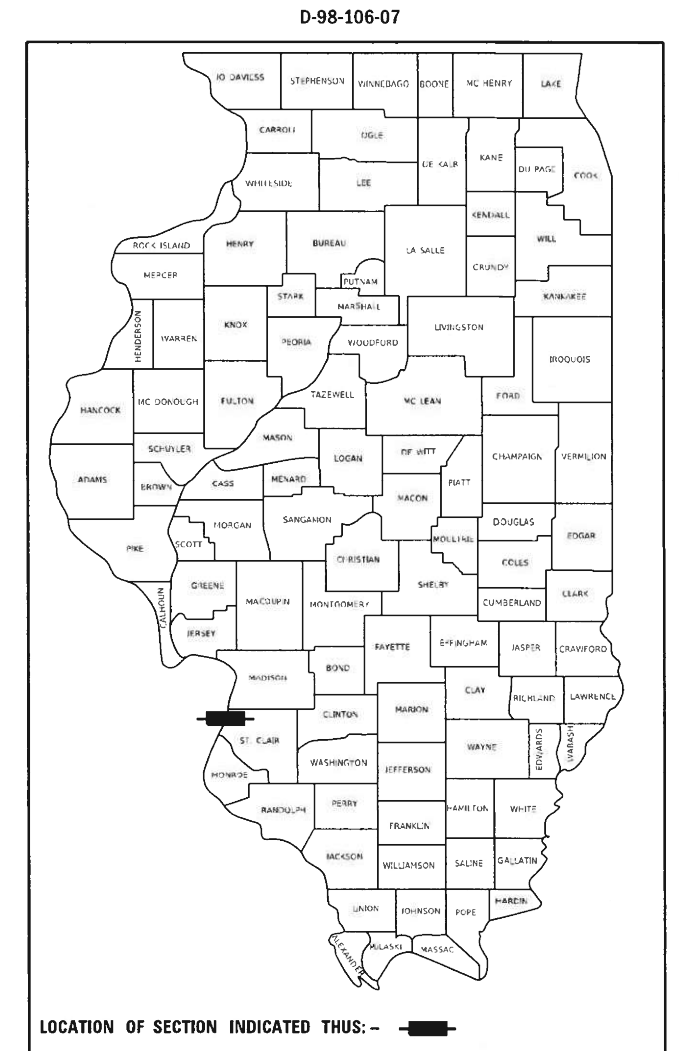
FAI ROUTE 70 (I-55/I-64)
SECTION 82-3HVB-2R-1-1-1
PROJECT NHPP-ROJ4(100)
REPAIRS TO THE POPLAR STREET BRIDGE COMPLEX
(SN 082-0144, SN 082-0256, SN 082-0203, SN 082-0255,
SN 082-0140, AND SN 082-0005)
ST. CLAIR COUNTY



GROSS LENGTH = 5,013 FT. = 0.949 MILE
 NET LENGTH = 5,013 FT. = 0.949 MILE

END IMPROVEMENT
 LAT. +38.622719
 LONG. -90.164419

END IMPROVEMENT
 STA. 93 + 12.65
 LAT. +38.613767
 LONG. -90.162697



PREPARED BY
WJE ENGINEERS ARCHITECTS MATERIALS SCIENTISTS
 Wiss, Janney, Elstner Associates, Inc.
EFK•Moen
 Civil Engineering Design
Tran Systems
 EXPERIENCE | Transportation

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 6 2020
Keith Roberts
 REGIONAL ENGINEER

October 2, 2020
Scott A. Elk
 ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2020
James J. ...
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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 OF THE STATE OF ILLINOIS**



SIGNATURE: *Shelley L. Dintelman*

DATE SIGNED: 7/16/2020

LICENSE EXPIRES: 11 /30 /2021

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION; SHEETS 1-79

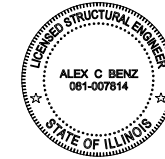


SIGNATURE: *Richard A. Walther*

DATE SIGNED: 7/16/2020

LICENSE EXPIRES: 11 /30 /2020

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION; SHEETS 84-86, 171-188, 202-209, 211, 217-248, AND 263-321

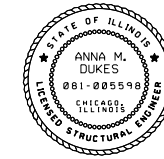


SIGNATURE: *Alex C. Benz*

DATE SIGNED: 7/16/2020

LICENSE EXPIRES: 11 /30 /2020

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION; SHEETS 322-361



SIGNATURE: *Anna Dukes*

DATE SIGNED: 7/16/2020

LICENSE EXPIRES: 11 /30 /2020

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION; SHEETS 80-83, 87-170, 189-201, 210, 212-216, AND 249-262



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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT SEALS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	2
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

HIGHWAY STANDARDS

000001-07	701401-12
001001-02	701406-12
001006	701411-09
420406	701422-10
482001-02	701426-09
515001-04	701428-01
542401-03	701451-05
610001-08	701901-08
630001-12	704001-08
631011-10	720001-01
631026-06	720006-04
631031-16	720021-02
631046-04	780001-05
635001-02	782006-01
701400-09	

COMMITMENTS

NONE (7/31/2020)

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS SHALL BE CONSTRUCTED ACCORDING TO ALL CURRENT APPLICABLE IDOT POLICIES AND STANDARDS IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
- UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

*AMEREN ILLINOIS 1050 WEST BOULEVARD BELLEVILLE, IL 62221-4169	*EXPLORER PIPELINE COMPANY WOOD RIVER AREA OFFICE 1355 ROBBINS ROAD HARTFORD, IL 62048
*AT&T ILLINOIS 160 WEST DIVISION STREET MARYVILLE, IL 62062	*SPIRE STL PIPELINE LLC 700 MARKET 3RD FLOOR ST. LOUIS, MO 63101
*CITY OF EAST ST. LOUIS 301 RIVERPARK DRIVE EAST ST. LOUIS, IL 62201-3028	
- MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY AN *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, 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 IS TRAINING 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 NEW TRAFFIC BARRIER TERMINALS SHALL BE CORED, NO DRILLING WILL BE PERMITTED INTO THE PARAPET WALLS, MEDIANS, PIERS, ETC. ACCORDING TO ARTICLE 631.07 FOR THIS WORK, ANY DAMAGE TO THE PARAPET WALLS, MEDIANS, PIERS, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS OWN EXPENSE.
- MATERIAL TRANSFER DEVICE SHALL BE UNLOADED WITH A MAXIMUM GROSS WEIGHT OF 40 TONS WHEN CROSSING SN 082-0140, SN 082-0146, AND SN 082-0256.
- AS PER THE REQUIREMENT OF THE TRAFFIC MANAGEMENT PLAN (TMP), RESIDENT ENGINEER WILL COORDINATE WITH THE ILLINOIS STATE POLICE WITH RESPECT TO CONSTRUCTION SAFETY TOPICS SUCH AS WORKER PROTECTION, BACK OF QUEUE WARNINGS, AND OTHER ITEMS AS DEEMED NEEDED IN ORDER TO BEST PROTECT THE SAFETY OF CONSTRUCTION PERSONNEL.

HMA MIXTURE REQUIREMENT TABLE:

LOCATION:	ROADWAY H & RAMP T	ROADWAY H & RAMP T	ROADWAY H	ROADWAY H	
MIXTURE USE(S)	POLY SURFACE COURSE	POLY BINDER COURSE	HMA SHOULDERS (LOWER)	HMA SHOULDERS (SURFACE)	OTHER
AC/PG	SBS PG 76-22	PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4% @ Ndes=90	4% @ Ndes=90	4% @ Ndes=30	4% @ Ndes=30	4% @ Ndes=90
MIXTURE COMPOSITION (MIXTURE GRADATIONS)	IL-9.5	IL-9.5FG	IL-19.0L	IL-9.5L	IL-19.0
FRICTION AGGREGATE	MIXTURE "E"	MIXTURE "C"	--	--	MIXTURE "B"
MIXTURE WEIGHT	112 LB / SQ YD / IN	112 LB / SQ YD / IN	--	--	--
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA

RATES OF APPLICATION

HOT-MIX ASPHALT:

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	0.05 POUND / SQ FT (ON EXISTING PAVEMENT AND EXISTING SHOULDERS)
	0.025 POUND / SQ FT (BETWEEN HMA LIFTS)
HMA SURFACE AND BINDER COURSES	112 LB / SQ YD / IN

REV. - MS

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U SR NAME = jdardeen	DESIGNED - JRD	REVI SED -
	DRAWN - JRD	REVI SED -
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PLOT DATE = 7/31/2020	DATE - 07/16/2020	REVI SED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS,
GENERAL NOTES, AND MIXTURE TABLE**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	3
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

UNION PACIFIC RAILROAD GENERAL NOTES:

1. WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS "UPRR".
2. A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON UPRR PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
3. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A UPRR FLAGMAN. A MINIMUM 72 HOURS NOTICE IS REQUIRED TO SCHEDULE A FLAGMAN FOR WORK. UPRR FLAGGING WILL BE PAID FOR ACCORDING TO ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS. WHEN TRAINS ARE PASSING THE SITE, ALL WORK WITHIN 50 FEET OF THE TRACK MUST BE DISCONTINUED UNTIL THE TRAIN HAS PASSED. ALL WORKERS AT GROUND LEVEL ARE REQUIRED TO CLEAR A MINIMUM OF 25 FEET (HORIZONTAL) AWAY FROM TRACKS WHILE TRAINS ARE PASSING.
4. FOR DECK REPAIR WORK IN SPANS OTHER THAN ROADWAY D, SPANS D1 TO D26:
 - A. IF DURING CONSTRUCTION, IT IS DETERMINED THAT FULL DEPTH DECK CUTS AND/OR REPAIRS ARE NECESSARY WITHIN 25 FEET (HORIZONTAL) FROM TRACKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:
 - i. A WRITTEN RUBBLE MANAGEMENT PLAN, AND
 - ii. AT-GRADE TRACK PROTECTION
 - B. WORK MAY NOT PROCEED UNTIL THE RUBBLE MANAGEMENT PLAN AND AT-GRADE TRACK PROTECTION HAS BEEN APPROVED BY UPRR.
5. FOR DECK REPLACEMENT WORK IN SPANS D1 TO D26 OF ROADWAY D:
 - A. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A RUBBLE MANAGEMENT PLAN.
 - B. WORK MAY NOT PROCEED UNTIL THIS PLAN HAS BEEN APPROVED BY THE UPRR, AND ALL PROTECTIVE MEASURES HAVE BEEN INSTALLED TO THE SATISFACTION OF THE UPRR.
6. ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
7. THE PRIMARY UPRR POINT OF CONTACT FOR THIS PROJECT IS:

CHRIS KECKEISEN
ENGINEERING DESIGN-PUBLIC PROJECTS
1400 DOUGLAS, MS 0910
OMAHA, NE 68179
(402) 544-5131
CTKECKEI@UP.COM

JORDON ALBERS
BENESCH (UP)
(402) 890-4754
JALBERS@UPCONTRACTOR.UP.COM

TERMINAL RAILROAD OF ST. LOUIS GENERAL NOTES

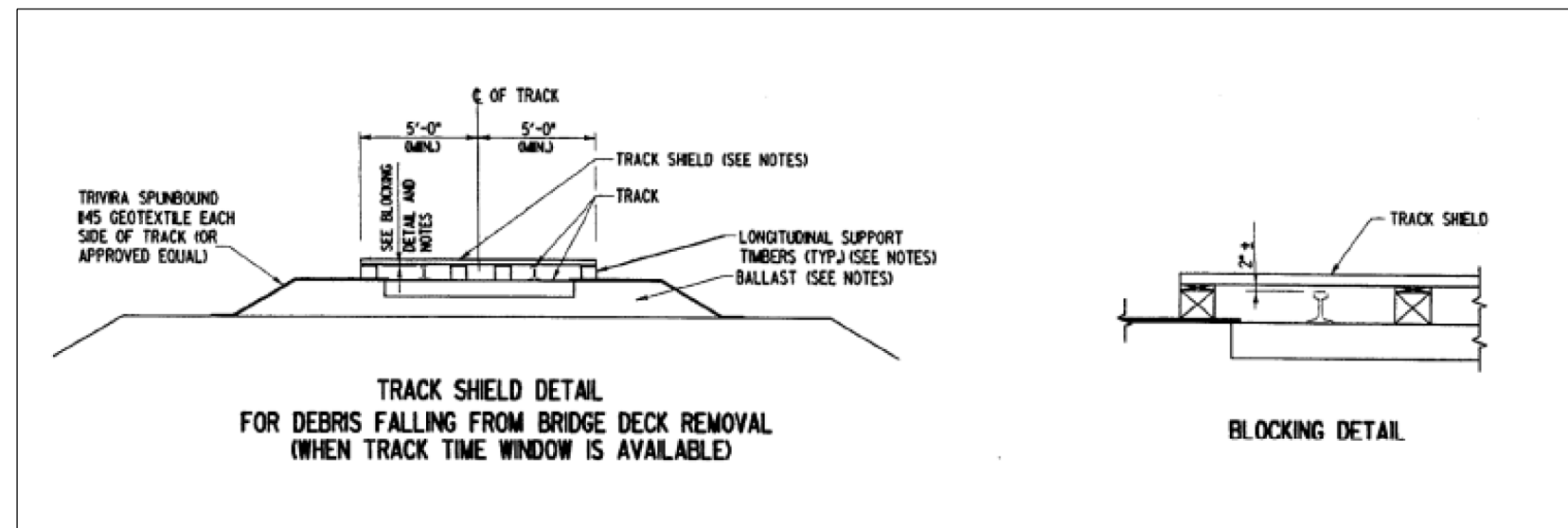
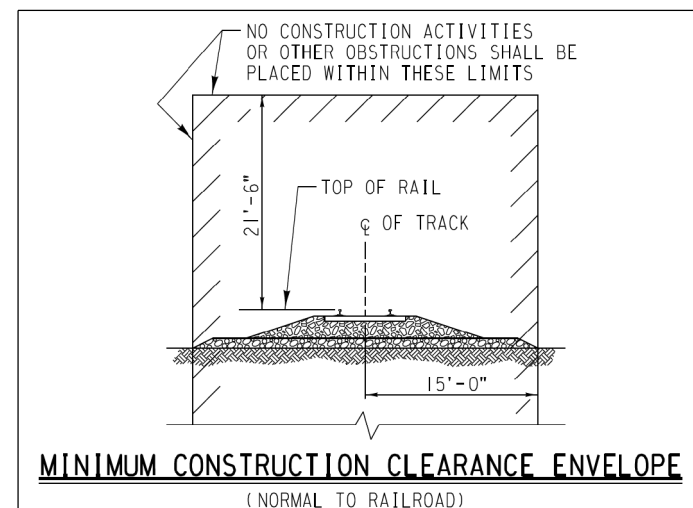
1. WITHIN THESE NOTES, THE TERMINAL RAILROAD ASSOCIATION (TRRA) OF ST. LOUIS SHALL BE REFERRED TO AS THE "TRRA".
2. WORK SHOWN IN THESE PLANS FROM PIER D11 TO PIER N1 AND PIER D12 AND APPROXIMATELY 10 FT INTO THE ADJACENT SPANS MAY IMPACT THE TRRA.
3. WORK IN THESE AREAS THAT IS WITHIN THE LESSOR OF 25 FEET OF THE TRACK CENTERLINE OR EXTENT OF TRRA RIGHT OF WAY WILL REQUIRE A TRAA FLAGMAN.
4. TRRA REVIEW AND APPROVAL OF RUBBLE MANAGEMENT PLAN FOR WORK IN THESE AREAS IS REQUIRED BEFORE WORK MAY BEGIN.
5. ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
6. THE PRIMARY CONTACT FOR THIS PROJECT ARE:

ASIM RAZA
CHIEF LEGAL OFFICER, DIRECTOR OF REAL ESTATE & MARKETING
415 SOUTH 18TH, SUITE 200
ST. LOUIS, MO 63103
(314) 451-8428
ARAZA@TERMINALRAILROAD.COM

ERIC FIELDS, P.E.
CHIEF ENGINEER
(618) 451-8428
EFIELDS@TERMINALRAILROAD.COM

TRACK SHIELD NOTES:

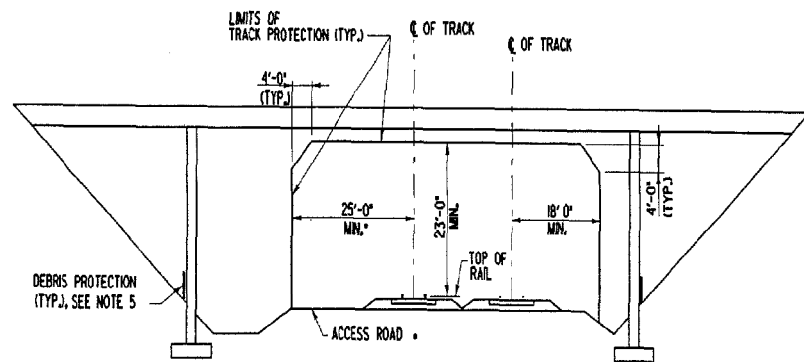
1. TRACK SHIELD SUBMITTAL SHALL BE APPROVED IN ADVANCE BY UPRR AND TRRA.
2. THE TRACK SHIELD SHALL BE DESIGNED BY THE CONTRACTOR AND SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE ANTICIPATED LOADS, INCLUDING IMPACT. THE SHIELD SHALL PREVENT ANY MATERIALS, EQUIPMENT OR DEBRIS FROM FALLING ON THE RAILROAD TRACK. ADDITIONAL LAYERS OF MATERIAL SHALL BE FURNISHED AS NECESSARY TO PREVENT FINE MATERIALS OR DEBRIS FROM SIFTING DOWN UPON THE TRACKS.
3. THE SHIELD SHOULD PREFERABLY BE PREFABRICATED AND FURNISHED WITH LIFTING HOOKS TO SIMPLIFY REMOVAL.
4. THE SHIELD SHALL BE OF SUFFICIENT STRENGTH TO SPAN BETWEEN ITS SUPPORTS WITHOUT BEARING UPON THE RAILS AND TO WITHSTAND DROPPING RUBBLE.
5. BEFORE REMOVAL, THE SHIELD SHALL BE CLEANED OF ALL DEBRIS AND FINE MATERIAL.
6. THE TRACK SHIELD SHALL EXTEND AT LEAST 20 FEET BEYOND THE LIMITS OF DEMOLITION TRANSVERSE TO THE EDGE OF THE BRIDGE.
7. FOR TRAIN PASSAGE, THE RUBBLE SHALL BE REMOVED TO A MINIMUM OF 8'-6" FROM THE NEAREST RAIL AND TO AN ELEVATION NO HIGHER THAN THE TOP OF RAIL.
8. AT THE END OF THE DAY, THE RUBBLE SHALL BE REMOVED COMPLETELY TO A MINIMUM OF 10'-0" NEAREST RAIL AND DOWN TO ORIGINAL GRADE, UNTIL IT CAN BE PERMANENTLY REMOVED FROM RAILROAD RIGHT OF WAY.
9. CARE SHALL BE TAKEN TO NOT PLACE METAL ACROSS THE RAILS. RAILROAD COMMUNICATIONS ARE SENT THROUGH THE RAILS AND WILL BE DISRUPTED BY A SHORT BETWEEN THE RAILS.
10. DETAILS SHOWN APPLY FOR TIMBER TIES. SPECIAL DETAILS ARE REQUIRED FOR CONCRETE TIES.



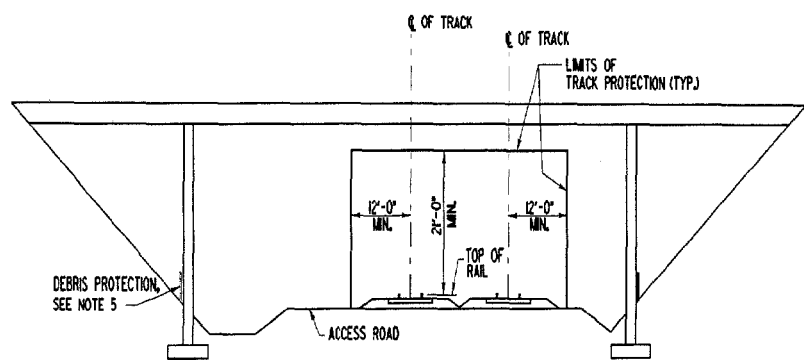
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PLOT SCALE = 20,000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/15/2020	CHECKED - RAW	REVISED -
	DATE - 07/16/2020	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV8-2R-1-I-1	ST. CLAIR	361	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



BRIDGE ELEVATION
STANDARD LIMITS OF PROTECTION FOR FRAME PROTECTION



BRIDGE ELEVATION
MINIMUM LIMITS OF PROTECTION FOR FRAME PROTECTION
(SPECIAL PERMISSION REQUIRED, SEE NOTE 1)

* IF NO ACCESS ROAD, USE MIN. DIMENSION FROM OTHER SIDE OF DETAIL.



UNION PACIFIC RAILROAD

FRAME PROTECTION DETAILS

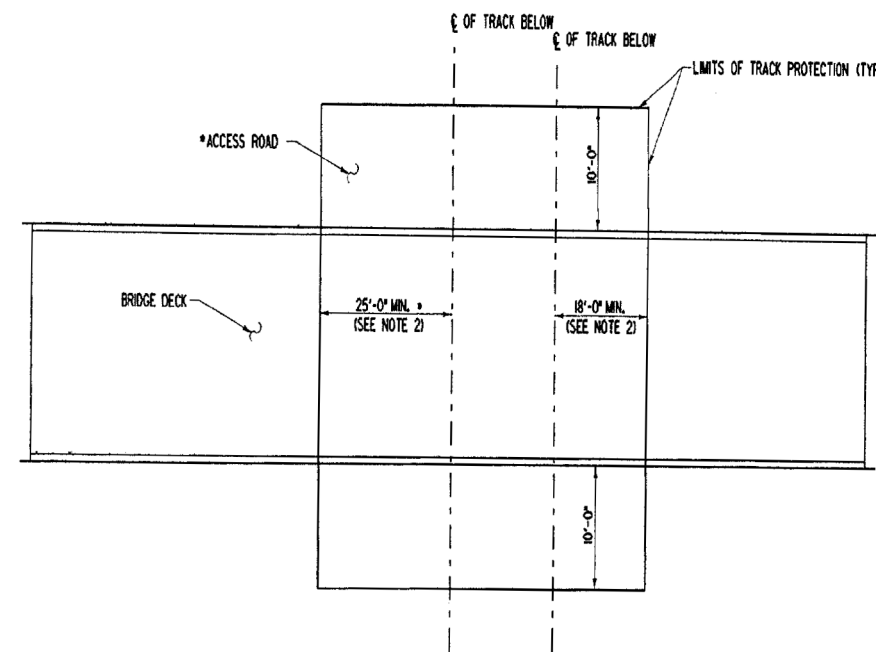
OFFICE OF CHIEF ENGINEER DESIGN

DATE: 3-31-98

SHEET 1 OF 2

NOTES:

1. THE STANDARD LIMITS OF PROTECTION NOTED ARE THE MIN. CLEARANCES ALLOWED WITHOUT SPECIAL PERMISSION FROM THE RAILROAD. THE REDUCED CLEARANCES NOTED MAY BE ALLOWED BY THE RAILROAD. SPECIAL PERMISSION FOR THE REDUCED CLEARANCES IS REQUIRED FROM THE RAILROAD SERVICE UNIT SUPERINTENDENT.
2. THE PROTECTION FRAME SHALL AS A MINIMUM MATCH THE DEMOLITION LIMITS SHOWN AND EXTEND PAST THE BRIDGE WIDTH AS SHOWN ON THE ATTACHED DEMOLITION PLAN SHEET.
3. FOR ADDITIONAL CLEARANCE AND PROTECTION INFORMATION, SEE UNION PACIFIC RAILROAD STANDARD DRAWING NO. 0035
4. THE PROTECTION FRAME SHALL PREVENT DEMOLITION DEBRIS, DUST AND FINE MATERIAL FROM FALLING ONTO THE RAILROAD TRACKS, ACCESS ROAD OR TRAINS. THE FRAME SHALL BE DESIGNED BY THE CONTRACTOR TO SUPPORT THE ANTICIPATED DEMOLITION LOADS, AND IN ACCORDANCE WITH UNION PACIFIC GUIDELINES FOR DESIGN OF FALSEWORK FOR STRUCTURES OVER THE RAILROAD.
5. DEBRIS PROTECTION IS REQUIRED NEAR THE BASE OF THE SIDE SLOPES AND ADJACENT TO ROADS USED BY DEMOLITION EQUIPMENT TO PREVENT DEBRIS FROM ROLLING ONTO THE TRACK, ACCESS ROAD OR DITCH. USE TIMBERS AS REQUIRED TO STOP LARGE PIECES OF ROLLING DEBRIS.
6. ANY ACTIVITY WITHIN 25 FEET OF THE NEAREST RAIL OF A TRACK REQUIRES A FLAGMAN.

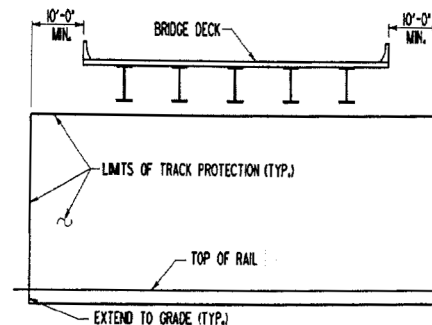


BRIDGE PLAN
STANDARD LIMITS OF PROTECTION FOR FRAME PROTECTION

* IF NO ACCESS ROAD, USE MIN. DIMENSION FROM OTHER SIDE

NOTES:

1. SEE GENERAL NOTES ON BRIDGE ELEVATION SHEET
2. STANDARD LIMITS OF PROTECTION ARE SHOWN FOR MIN. LIMITS OF PROTECTION DIMENSIONS, SEE BRIDGE ELEVATION, MINIMUM LIMITS OF PROTECTION.



BRIDGE DECK CROSS SECTION
STANDARD LIMITS OF PROTECTION

* IF NO ACCESS ROAD, USE MIN. DIMENSION FROM OTHER SIDE



UNION PACIFIC RAILROAD

FRAME PROTECTION DETAILS

OFFICE OF CHIEF ENGINEER DESIGN

DATE: 3-31-98

SHEET 2 OF 2

FRAME PROTECTION NOTES:

FRAME PROTECTION METHODS, IF PROPOSED BY THE CONTRACTOR AS PART OF THEIR RUBBLE MANAGEMENT PLAN, SHALL BE APPROVED BY THE RAILROAD. HAVING OWNERSHIP OF RIGHT OF WAY WHERE THE FRAME PROTECTION IS REQUIRED.

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EFK Moen
Civil Engineering Design

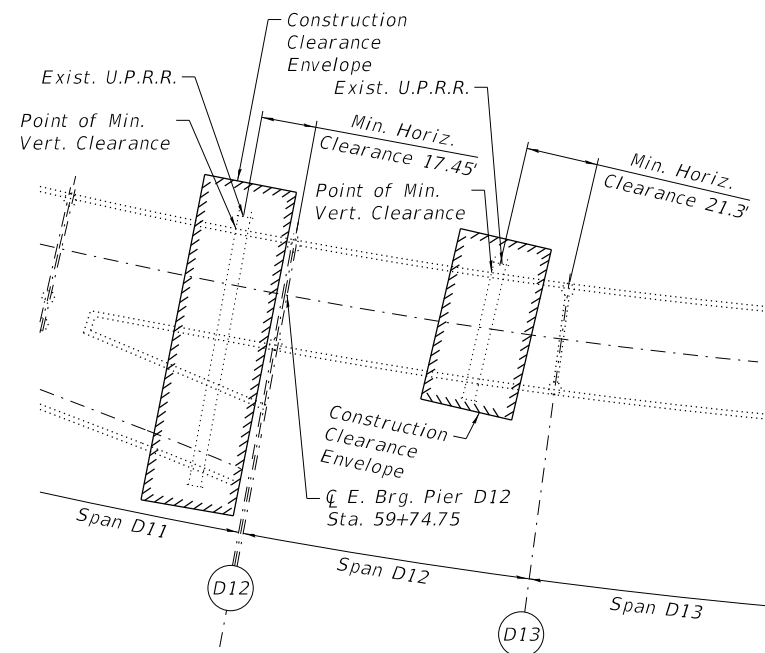
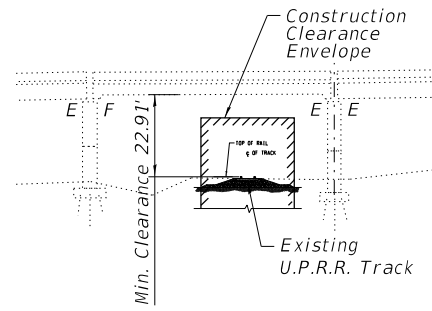
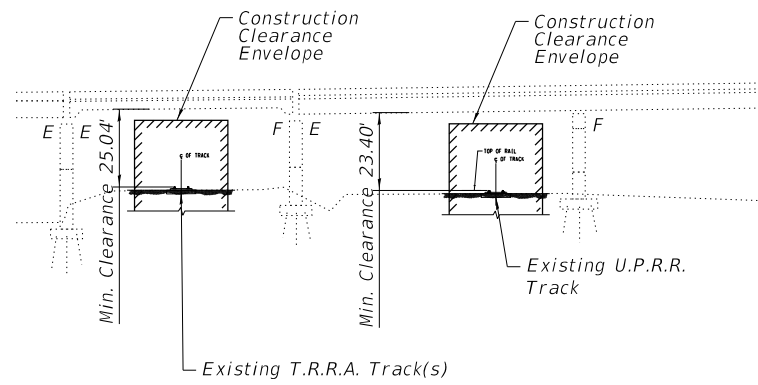
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

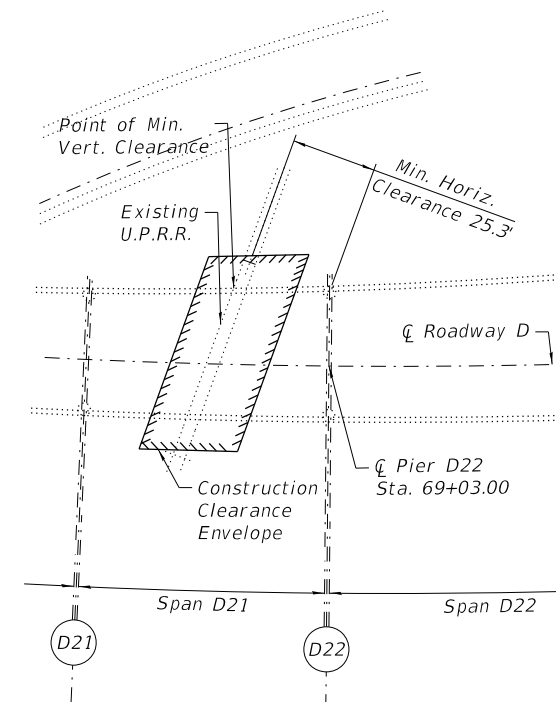
RAILROAD GENERAL NOTES

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	5
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



SPAN D12 CLEARANCE ENVELOPE



SPAN D21 CLEARANCE ENVELOPE

Notes:

1. Min. Vert. Clearance is Measured From Top of Rail to Lowest Point of Steel Above.
2. Min. Horiz. Clearance is Measured From Track \perp Perpendicular to Pier \perp .

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EFK Moen
Civil Engineering Design

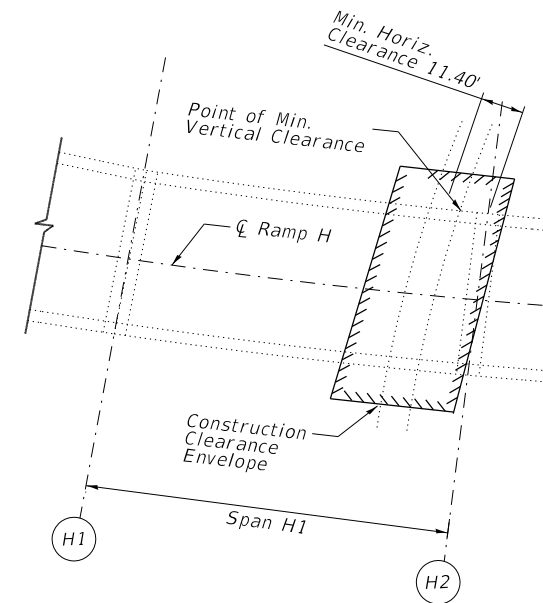
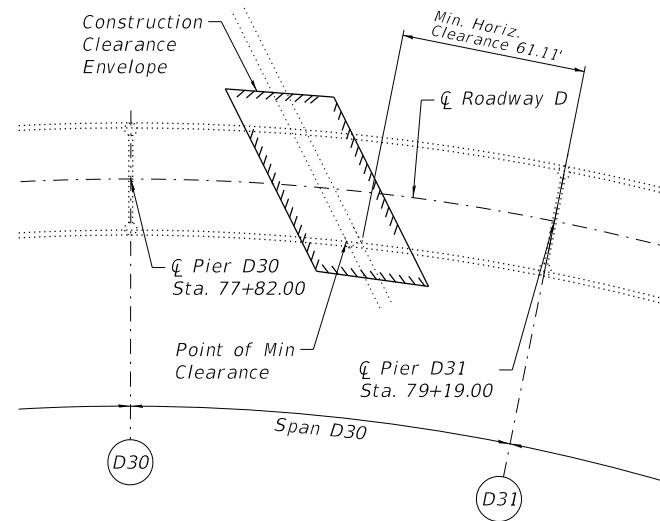
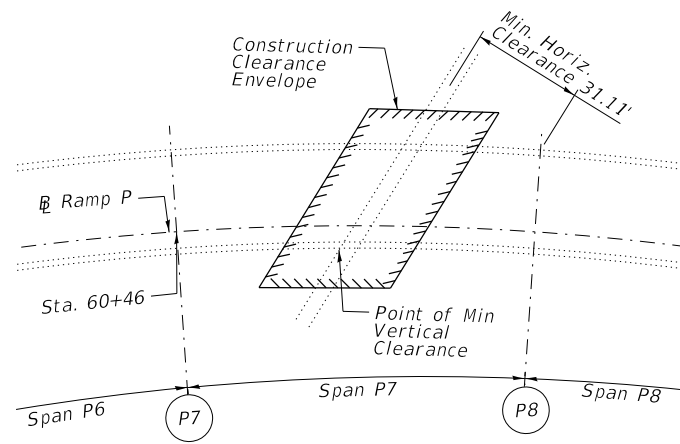
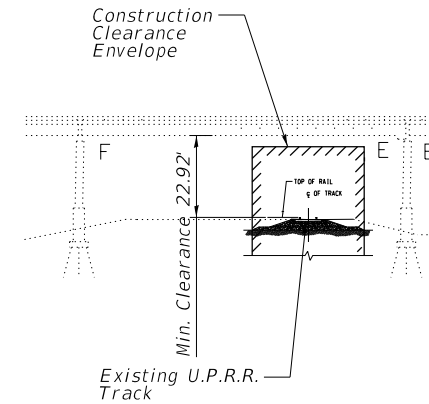
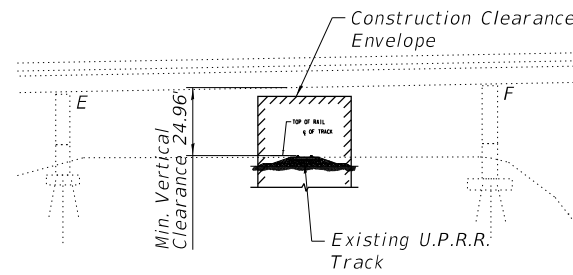
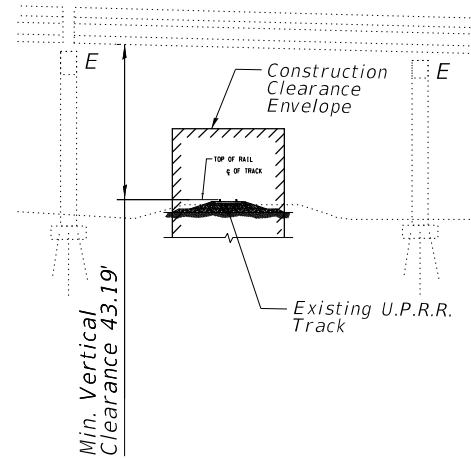
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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAILROAD CLEARANCE ENVELOPE

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	6
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	



SPAN P7 CLEARANCE ENVELOPE

SPAN D30 CLEARANCE ENVELOPE

SPAN H1 CLEARANCE ENVELOPE

Notes:

1. Min. Vert. Clearance is Measured From Top of Rail to Lowest Point of Steel Above.
2. Min. Horiz. Clearance is Measured From Track \bar{C} Perpendicular to Pier \bar{C} .

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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - RAW	REVISED -
PLOT SCALE = 20,000' / in.	DRAWN - LS	REVISED -
PLOT DATE = 7/15/2020	CHECKED - RAW	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAILROAD CLEARANCE ENVELOPE

SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013	
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140	
20800150	TRENCH BACKFILL	CU YD	3		1					2
28000400	PERIMETER EROSION BARRIER	FOOT	359							359
28100105	STONE RIPRAP, CLASS A3	SQ YD	246		242					4
28200200	FILTER FABRIC	SQ YD	246		242					4
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	2047							2047
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	280							280
40600990	TEMPORARY RAMP	SQ YD	160							160
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-9.5FG, N90	TON	599							599
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "E", N90	TON	260							260
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	314							314
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	1541							1541
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1195							1195
44004250	PAVED SHOULDER REMOVAL	SQ YD	711							711
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	17							17

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PLOT DATE = 7/29/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

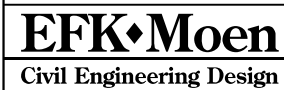
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	8
			CONTRACT NO. 76B55	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
				BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0013	0013	0047	0047	0047	0013
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	528						528
50102400	CONCRETE REMOVAL	CU YD	193.8	102.1	38.7			35.3	17.7
50104650	SLOPE WALL REMOVAL	SQ YD	353		240				113
50104701	REMOVAL OF EXISTING CONCRETE DECK NO. 1	EACH	1	1					
50104702	REMOVAL OF EXISTING CONCRETE DECK NO. 2	EACH	1						1
50157300	PROTECTIVE SHIELD	SQ YD	3883	3217					666
50300100	FLOOR DRAINS	EACH	35	35					
50300225	CONCRETE STRUCTURES	CU YD	44.8						44.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	4149.7	3639	31.2			35.3	444.2
50300300	PROTECTIVE COAT	SQ YD	16118	13965				79	2074
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	178.2						178.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1					
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6190						6190
50500505	STUD SHEER CONNECTORS	EACH	37848	31290					6558

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USER NAME = jdardeen	DESIGNED - JRD	REVISED -
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PLOT DATE = 7/29/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	9
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1353370	1125080	4560			4860	218870
50800515	BAR SPLICERS	EACH	1097	116			28	953	
51100100	SLOPE WALL 4 INCH	SQ YD	113					113	
51500100	NAME PLATES	EACH	2	1				1	
52000010	PREFORMED JOINT SEAL 1 1/4"	FOOT	81	34		47			
52000025	PREFORMED JOINT SEAL 2"	FOOT	4	4					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	910	536	126		74	174	
52000212	FINGERPLATE EXPANSION JOINT, 4"	FOOT	211	211					
52000216	FINGERPLATE EXPANSION JOINT, 5"	FOOT	32				32		
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	290	290					
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	41		2			39	
52100505	ANCHOR BOLTS, 5/8"	EACH	208					208	
54213447	END SECTIONS 12"	EACH	3		1			2	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	165		51			114	

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PLOT SCALE = 20,000' / in.	DATE - 07/16/2020	REVISED -
PLOT DATE = 7/29/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013	
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140	
55100500	STORM SEWER REMOVAL 12"	FOOT	181		49					132
59000200	EPOXY CRACK INJECTION	FOOT	567	277	109	74				107
60260100	INLETS TO BE ADJUSTED	EACH	1							1
60500060	REMOVING INLETS	EACH	3		1					2
61000050	CONCRETE THRUST BLOCKS	EACH	3		1					2
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	3		1					2
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2913							2913
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4							4
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2							2
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2							2
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	4							4
63200310	GUARDRAIL REMOVAL	FOOT	3138							3138
64300770	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	1	1						
64300920	IMPACT ATTENUATORS (SEVERE USE, WIDE), TEST LEVEL 3	EACH	1	1						

* SPECIALTY ITEM

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PLOT DATE = 7/29/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013	
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140	
66201120	CONCRETE SHOULDER CURB	FOOT	114		30					84
67100100	MOBILIZATION	L SUM	1	0.4	0.1	0.1	0.1	0.1	0.1	0.2
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1		.5	.5				
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1						
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1							1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1						
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	7051	4080				1500		1471
70107009	PAVEMENT MARKING BLACKOUT TAPE, 9"	FOOT	1129	446		600				83
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	808	484		42		56		226
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.4	0.1	0.1	0.1	0.1	0.1	0.2
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	18178	9809		750		3156		4463
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	26435	14190		600		4561		7084
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2113	975		150		375		613
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2425	1762.5			87.5			575

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PLOT DATE = 7/29/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	12
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	2				1	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	2		1	1		1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	6	6					
* 72000200	SIGN PANEL - TYPE 2	SQ FT	64	64					
* 72000300	SIGN PANEL - TYPE 3	SQ FT	1203	1203					
* 73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	127	127					
* 73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	119	119					
* 73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	2	2					
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1580						1580
* 78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	147						147
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16						16
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	27						27
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	122	72	8	30	4		8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	223	180	29	4			10

* SPECIALTY ITEM

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PLOT DATE = 7/29/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	13
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				BRIDGE 0013	BRIDGE 0013	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0013	
				SN 082-0144	SN 082-0256	SN 082-0203	SN 082-0255	SN 082-0005	SN 082-0140	
X0321519	CONDUIT SUPPORT SYSTEM	L SUM	1	1						
X0321778	SEISMIC RESTRAINER	EACH	26							26
X0325749	FIBER WRAP	SQ FT	305	305						
X0327543	POLYURETHANE SEALANT	FOOT	100		100					
X0900037	COLUMN TENSIONED STRANDS	EACH	122	70	12	40				
X0900073	CRACK ARREST HOLES	EACH	11		11					
X0900074	CABLE PROTECTION	EACH	2	2						
X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	334							334
* X2700010	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6"	FOOT	14783	9817	916	2953	476			621
* X2700012	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	2959	2098	102	241	83			435
* X2700026	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 12"	FOOT	221	221						
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	12802	9840	1526	350				1086
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	166937	87203	15034	51869	12831			
X6430110	REMOVE IMPACT ATTENUATORS, SALVAGE	EACH	2	2						

* SPECIALTY ITEM

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PLOT DATE = 7/29/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	14
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

SUPERELEVATION TRANSITION (ROADWAY H & ROADWAY H EXTENSION)					
STATION	LT SHLDR	LANE 1 (%)	LANE 2 (%)	LANE 3 (%)	RT SHLDR (%)**
82+04	8.0%	8.0%	8.0%	-	8.0%
83+20	8.0%	8.0%	8.0%	-	0.0%
83+52.12	8.0%	8.0%	8.0%	-	0.0%
83+95.62	8.0%	8.0%	8.0%	-	3.0%
84+68.12	8.0%	8.0%	8.0%	-	8.0%
SEE 082-0140 PLANS					
87+50.39	8.0%	8.0%	8.0%	SEE SE TRANSITION (RAMP T)	
88+14.54	8.0%	8.0%	8.0%	SEE SE TRANSITION (RAMP T)	
88+84.19*	6.23%	6.23%	6.23%	1.54%	-4.0%
89+99.59	MATCH EXISTING				

* STA. 18+26.96 (RAMP T) = STA. 88+84.19 (ROADWAY H)

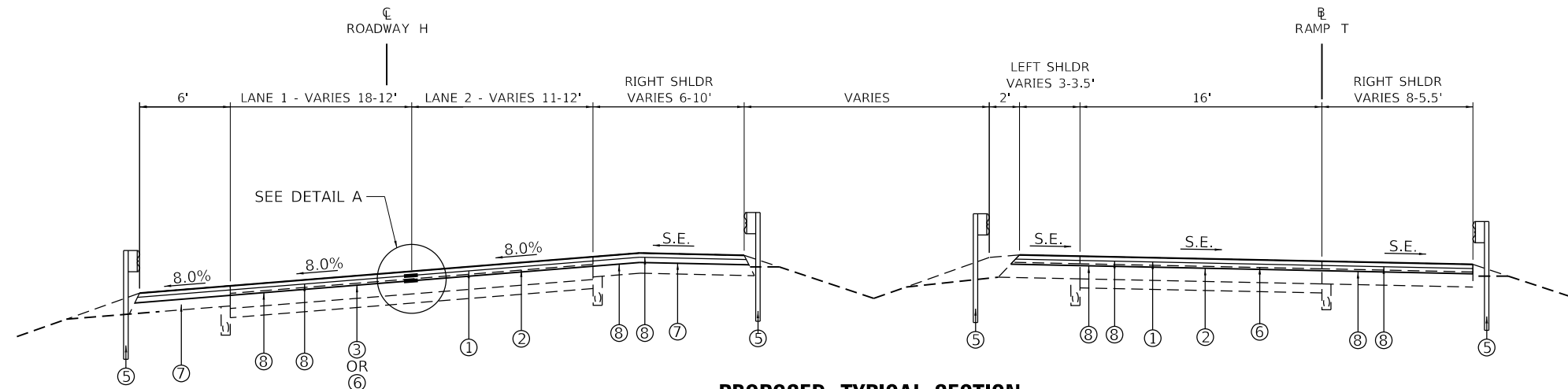
** STA. 83+95.62 ROTATE THE OUTSIDE 4' OF THE RT SHLD TO MATCH -2% AT BRIDGE CONNECTOR PAVEMENT

SUPERELEVATION TRANSITION (RAMP T)			
STATION	LT SHLDR (%)	LANE 1 (%)	RT SHLDR (%)
12+89.91	4.77%	4.77%	-8.0%
13+76.39	2.0%	2.0%	-2.0%
SEE 082-0140 PLANS			
16+61.09	-	1.0%	-1.0%
17+53.49	-	-0.4%	-4.0%
18+26.96*	-	MATCH EXISTING	

* STA. 18+26.96 (RAMP T) = STA. 88+84.19 (ROADWAY H)

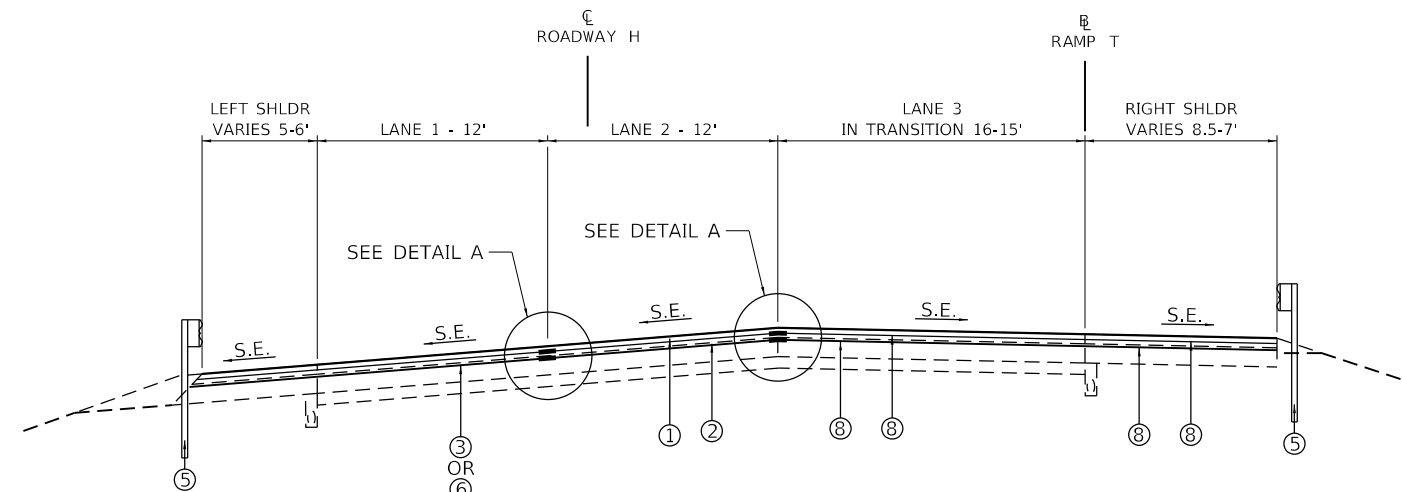
PROPOSED

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90, 1 1/2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90, VARIABLE DEPTH
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- ④ LONGITUDINAL JOINT SEALANT
- ⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ⑥ HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- ⑦ HOT-MIX ASPHALT SHOULDER 8" (SEE MOT TYPICAL SECTIONS)
- ⑧ POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)



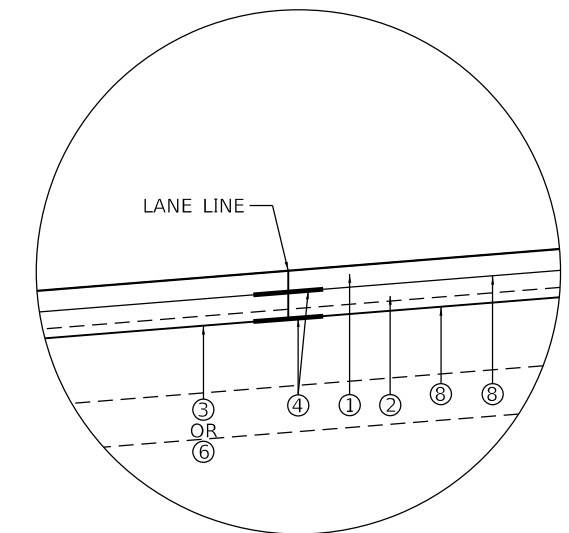
**PROPOSED TYPICAL SECTION
ROADWAY H (EB C-D) & RAMP T**

STA. 81+60 - STA. 84+68.12 (ROADWAY H)
STA. 12+89.91 - STA. 13+76.39 (RAMP T)



**PROPOSED TYPICAL SECTION
ROADWAY H (EB C-D) & RAMP T**

STA. 87+50.39 - STA. 89+99.59 (ROADWAY H)
STA. 16+91.15 - STA. 18+26.96 (RAMP T)



DETAIL A

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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
	DRAWN - SJF	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PROPOSED**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	19
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE										
LOCATION				SPBGR TY A 9 FT POSTS (FOOT)	TRAF BAR TERM T2 (EACH)	TRAF BAR TERM T5 (EACH)	TRAF BAR TERM T6 (EACH)	TRAF BAR TERM T10 (EACH)	GUARDRAIL REMOVAL (FOOT)	GUARDRAIL REFL TY A (EACH)
ROADWAY	STATION	STATION	LT/RT							
RDWY H	81+61.05	85+03.49	RT	325	1			1	343.2	4
RDWY H	81+61.41	85+14.52	LT	312.5			1	1	367.8	4
RDWY H	86+88.61	OVERHEAD SIGN	RT	762.5	1	1			806	5
RDWY H	87+23.53	GORE @ I55	LT	1112.5	1	1			1166.8	6
RAMP T	11+83.28	14+03.59	RT	175			1	1	214.5	4
RAMP T	11+84.07	14+31.30	LT	225	1			1	239.3	4
SUBTOTALS				2912.5	4	2	2	4	3137.6	27
PAY ITEM TOTALS				2913	4	2	2	4	3138	27

DRAINAGE STRUCTURE SCHEDULE																
LOCATION						TRENCH BACKFILL (CU YD)	STONE RIPRAP CL A3 (SQ YD)	FILTER FABRIC (SQ YD)	END SECTIONS 12" (EACH)	STORM SEWERS CL A TY 2, 12" (FOOT)	STORM SEWER REMOVAL 12" (FOOT)	INLETS TO BE ADJUSTED (EACH)	REMOVING INLETS (EACH)	CONCRETE THRUST BLOCKS (EACH)	TY G INLET BOX STANDARD 610001 (EACH)	CONCRETE SHLDR CURB (FOOT)
ROADWAY	LOCATION	OFFSET	LOCATION	OFFSET	LT/RT											
RDWY H	81+99.00	18.0'	81+82.22	68.9'	LT	0.5				49.0		1				
RDWY H	86+87.99	38.0'	86+90.84	105.4'	RT	0.5				66.0		1				
RDWY H	87+17.18	18.0'	87+19.84	85.4'	LT	0.5				66.0		1				
RDWY H	81+92.81	18.0'	81+92.81	70.3'	LT	0.5	2.0	2.0	1	51.0			1	1		
RDWY H	87+59.50	35.2'	87+59.5	99.0'	RT	0.5	2.0	2.0	1	62.1			1	1		29.7
RDWY H	87+59.00	18	87+59.0	70.3'	LT	0.5	2.0	2.0	1	51.0			1	1		59.7
RDWY H	87+19.84	85.4'			LT						1					23.8
RDWY H	81+63.68	18.00'	81+98.81	18.00'	LT											
RDWY H	87+05.99	37.9'	87+64.48	35.0'	RT											
RDWY H	87+39.97	18.0'	87+64.00	18.0'	LT											
SUBTOTALS						3.0	6.0	6.0	3	164.1	181.0	1	3	3	3	113.2
TOTALS						3	6	6	3	165	181	1	3	3	3	114

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USER NAME = zWaters	DESIGNED - SJF	REVISED -
	DRAWN - SJF	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/16/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 2 OF 6 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	21
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

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BARRIER SCHEDULE												
LOCATION				IMP ATTN SU NAR TL3 (EACH)	IMP ATTN SU WID TL3 (EACH)	TEMP CONC BARRIER (FOOT)	REL TEMP CONC BARRIER (FOOT)	IMP ATTN TEMP NRN TL3 (EACH)	IMP ATTN REL NRN TL3 (EACH)	BARR WALL REFL TY C (EACH)	REM IMP ATTN SALV (EACH)	NOTES
ROADWAY	STATION	STATION	LT/RT									
RDWY D	58+83.54		18.1' RT	1								GORE NEAR RAMP N
RDWY D	73+93.05		14.7' LT		1							GORE NEAR RAMP Q
I-55N/64E	@ ROADWAY D					375		1				STAGE 1
ROADWAY D	@ RAMP S					462.5		1				STAGE 1
I-55N/64E	@ ROADWAY D						375		1			STAGES 2 & 3
RAMP S	@ ROADWAY D						462.5		1			STAGE 2
I-55N/64E	@ ROADWAY D					100						STAGES 2 & 3
ROADWAY E	@RAMP P					150						STAGE 2
RAMP S	@ ROADWAY D					412.5						STAGE 2
RAMP P	@ RAMP Q						87.5					STAGE 3
RAMP S	@ ROADWAY D						150		1			STAGE 3
RAMP S	@ ROADWAY D						675	1				STAGE 3
ROADWAY A	@RAMP T						112.5					STAGE 3
ROADWAY H	@RAMP T					500		1				STAGE 3
ROADWAY A	@RAMP T					112.5		1				STAGE 3
ROADWAY D	@RAMP N						100		1			STAGE 4
ROADWAY H	@RAMP T						462.5		1			STAGE 4
RDWY D	49+50.37	57+27.00	LT EOS							5		SPACE @ 400'
RDWY D	57+27.00	65+12.00	LT EOS							6		SPACE @ 125'
RDWY D	65+12.00	73+64.00	LT EOS							6		SPACE @ 150'
RDWY D	49+50.37	59+17.00	RT EOS							10		SPACE @ 100'
RDWY D	58+85.52	59+21.19	LT EOS							1		
RDWY D	58+85.52	65+12.00	RT EOS							5		SPACE @ 125'
RDWY D	65+12.00	87+30.31	RT EOS							22		SPACE @ 100'
RDWY D	87+30.31	93+12.65	RT EOS							2		SPACE @ 400'
RDWY D	73+95.19	84+29.76	LT EOS							10		SPACE @ 100'
RDWY D	84+27.25	87+30.31	LT EOS							3		SPACE @ 100'
RDWY D	87+30.31	92+70.71	LT EOS							2		SPACE @ 400'
RAMP Q	73+64.00	RAMP P	LT EOS							2		SPACE @ 100'
RAMP Q	73+94.91	7595.11	RT EOS							2		SPACE @ 100'
RAMP P	RAMP Q	RDWY H	RT EOS							2		SPACE @ 100'
RAMP P	@ RAMP M	RDWY H	LT EOS							15		SPACE @ 100'
RAMP P	@ RAMP M	RAMP Q	RT EOS							13		SPACE @ 100'
RDWY H	77+52.99	81+59.47	RT EOS							4		SPACE @ 100'
RDWY H	77+53.66	81+59.81	LT EOS							4		SPACE @ 100'
TRENDLEY BRIDGE	85+13.91	87+23.53	LT EOS							4		
RAMP T	14+02.98	16+27.49	RT EOS							4		
RDWY D	58+83.54		18.1' RT							1		GORE NEAR RAMP N
RDWY D	73+93.05		14.7' LT							1		GORE NEAR RAMP Q
TOTALS				1	1	2113	2425	5	5	122	2	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N/A	SHEET 3 OF 6 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	22
CONTRACT NO. 76855				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING SCHEDULE								
LOCATION				PAVEMENT MARKING BLACKOUT TAPE 7" (FOOT)	PAVEMENT MARKING BLACKOUT TAPE 9" (FOOT)	SHORT TERM PAVEMENT REMOVAL (SQ FT)	PAVEMENT MARKING TAPE TY 3, 6" (FOOT)	NOTES
ROADWAY	STATION	TO	STATION					
I-55N/-64E	I-64E		ROADWAY D	1000		583.3		STAGES 1, 2, 3 & 4
I-55N/-64E	I-64E		ROADWAY D	500		291.7		STAGE 1
I-55N	I-55N		I-55N/64E	1000		583.3		STAGES 2, 3, & 4
I-55N/-64E	I-55N		ROADWAY D	1000		583.3		STAGES 2, 3, & 4
I-55N/-64E	I-55N		ROADWAY D	34		19.8		STAGES 2, 3, & 4
ROADWAY D	RAMP S		ROADWAY D	1478		862.2		STAGE 2
ROADWAY H	ROADWAY H		RAMP T	859		501.1		STAGE 3
ROADWAY D	RAMP S		ROADWAY D	414		241.5		STAGE 3
ROADWAY A	ROADWAY A		RAMP T	600		350.0		STAGE 3
I-55N/-64E	I-55N/-64E		ROADWAY D	40		23.3		STAGE 4
I-55N/-64E	I-55N/-64E		ROADWAY D	114		66.5		STAGE 4
ROADWAY H	ROADWAY H		ROADWAY H	12		7.0		STAGE 4
ROADWAY E	ROADWAY E		RAMP P		600	450.0		STAGE 2
ROADWAY D	RAMP S		ROADWAY D	145		108.8		STAGE 3
ROADWAY D	RAMP S		ROADWAY D		301	225.8		STAGE 3
RAMP P	RAMP P		ROADWAY H		58	43.5		STAGE 4
RAMP P	RAMP P		ROADWAY H		25	18.8		STAGE 4
I-55N/64E	I-64E		ROADWAY D			1570.5	3141	STAGE 1 - YELLOW
ROADWAY D	RAMP Q		RAMP S			710.0	1420	STAGE 1 - YELLOW
I-55N	I-55N		I-55N/64E			1420.5	2841	STAGES 2, 3 & 4 - WHITE
I-55N/64E	I-55N/64E		ROADWAY D			1403.5	2807	STAGES 2, 3 & 4 - WHITE
ROADWAY E	ROADWAY E		RAMP P			300.0	600	STAGE 2 - WHITE
RAMP S	RAMP S		ROADWAY D			826.5	1653	STAGE 2 - WHITE
RAMP S	RAMP S		ROADWAY D			740.0	1480	STAGE 2 - YELLOW
ROADWAY H	RAMP P		RAMP T			597.0	1194	STAGE 3 - YELLOW
ROADWAY H	RAMP P		RAMP T			668.0	1336	STAGE 3 - WHITE
RAMP S	RAMP S		ROADWAY D			639.5	1279	STAGE 3 - YELLOW
RAMP S	RAMP S		ROADWAY D			498.5	997	STAGE 3 - WHITE
ROADWAY A	ROADWAY A		RAMP T			300.5	601	STAGE 3 - WHITE
I-55N/64E	I-55N/64E		I-55N/64E			80.0	160	STAGE 4 - WHITE
I-55N/64E	I-55N/64E		ROADWAY D			722.5	1445	STAGE 4 - WHITE
ROADWAY D	I-55N/64E		ROADWAY D			485.5	971	STAGE 4 - YELLOW
ROADWAY D	I-55N/64E		ROADWAY D			278.5	557	STAGE 4 - WHITE
ROADWAY H	ROADWAY H		ROADWAY H			707.5	1415	STAGE 4 - YELLOW
ROADWAY H	ROADWAY H		ROADWAY H			711.0	1422	STAGE 4 - WHITE
RAMP T	RAMP T		ROADWAY H			71.0	142	STAGE 4 - YELLOW
RAMP T	RAMP T		ROADWAY H			155.0	310	STAGE 4 - WHITE
RAMP T	RAMP T		ROADWAY H			332.0	664	STAGE 4 - WHITE
SUBTOTALS				7051	1129	18177.3	26435.0	
TOTALS				7051	1129	18178	26435	

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE								
LOCATION						RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVMT MRK REMOVAL (EACH)	NOTES
ROADWAY	STATION	OFFSET	TO	STATION	OFFSET			
RDWY H	81+80.98		TO	84+28.72		8		SKIP - DASH, 2 EVERY 80'
RDWY H	87+49.69		TO	90+00.00		8		SKIP - DASH, 2 EVERY 80'
RDWY D	49+50.36	4.58' LT	TO	73+64.00	34.37' LT		60	SKIP - DASH, 2 EVERY 80'
RDWY D	53+66.25	6.42' RT	TO	59+20.98	11.57' RT		15	GORE, 1 EVERY 40'
RDWY D	53+66.25	6.42' RT	TO	59+20.98	32.42' RT		15	GORE, 1 EVERY 40'
RDWY D	53+66.25	16.42' RT	TO	59+17.92	48.24' RT		25	EDGE LINE
RDWY D	70+81.41	4' LT	TO	73+64.00	22.33' LT		15	GORE, 1 EVERY 40'
RDWY D	70+81.41	4' LT	TO	73+64.00	4' LT		15	GORE, 1 EVERY 40'
RDWY D	65+47.25	12' RT	TO	73+64.00	12' RT		35	EDGE LINE
RDWY H	RAMP Q	GORE	TO	85+20.88	0'		29	SKIP - DASH, 2 EVERY 80'
TRENDLEY BRIDGE	85+20.87	0'	TO	86+97.48	0'		4	SKIP - DASH, 2 EVERY 80'
RAMP T	16+29.19	16' LT	TO	17+06.03	16' LT		6	GORE, 1 EVERY 40'
RAMP P	67+77.10	P 14	TO	68+62.38	P 15		4	SPAN
TOTALS						16	223	

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USER NAME = zWaters	DESIGNED - SJF	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	23
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

PERMANENT PAVEMENT MARKING SCHEDULE

LOCATION						PREF PL PM TYPE B LINE 6 INCH (FOOT)	PREF PL PM TYPE B LINE 8 INCH (FOOT)	PREF PL PM TYPE D LINE 6 INCH (FOOT)	PREF PL PM TYPE D LINE 8 INCH (FOOT)	PREF PL PM TYPE D LINE 12 INCH (FOOT)	GRV FOR RECESSED PVT MRKG 7 INCH (FOOT)	GRV FOR RECESSED PVT MRKG 9 INCH (FOOT)	GRV FOR RECESSED PVT MRKG 13 INCH (FOOT)	NOTES
ROADWAY	STATION	OFFSET	TO	STATION	OFFSET									
SN 082-0144														
RDWY D	48+34.27	50.53' LT	TO	48+54.22	51.28' LT			20.0			20		YELLOW EDGE LINE	
RDWY D	49+44.63	56.16' LT	TO	49+64.61	56.94' LT			20.0			20		YELLOW EDGE LINE	
RDWY D	48+47.80	17.08' RT	TO	48+67.95	16.96' RT			15.6			15.6		WHITE EDGE LINE	
RDWY D	49+50.08	29.92' LT	TO	49+65.65	30.3' LT			20.1			20.1		WHITE EDGE LINE	
RDWY D	48+36.65	38.61' LT	TO	48+56.61	39.36' LT			5.0			5		WHITE 30' SKIP-10' DASH	
RDWY D	49+45.14	42.90' LT	TO	49+65.13	43.56' LT			5.0			5		WHITE 30' SKIP-10' DASH	
RDWY D	48+43.49	4.91' LT	TO	48+63.58	4.71' LT			5.1			5.05		WHITE 30' SKIP-10' DASH	
RDWY D	49+50.37	14.58' LT	TO	73+59.00	45.95' LT			2396.9			2396.9		YELLOW EDGE LINE	
RDWY D	49+50.37	4.58' LT	TO	73+59.00	33.94' LT			601.6			601.6		WHITE 30' SKIP-10' DASH	
RDWY D	49+50.37	16.42' RT	TO	59+17.92	48.24' RT			972.7			972.7		WHITE EDGE LINE	
RDWY D	58+85.55	27.36' RT	TO	59+20.28	32.42' RT			35.7			35.7		WHITE EDGE LINE	
RDWY D	58+85.55	11.41' RT	TO	93+06.74	13' RT			3413.8			3413.8		WHITE EDGE LINE	
RDWY D	73+95.34	3.84' LT	TO	84+29.61	11' LT			1047.5			1047.5		YELLOW EDGE LINE	
RDWY D	76+40.00	0.47' RT	TO	92+92.12	1.01' RT			412.8			412.8		WHITE 30' SKIP-10' DASH	
RDWY D	84+30.75	39.87' LT	TO	92+74.93	13.16' LT			844.9			844.9		YELLOW EDGE LINE	
RDWY C GORE	48+39.18	25.90' LT	TO	48+59.22	26.37' LT				20.1		20.1		WHITE - CHANNELIZATION	
RDWY C GORE	49+45.65	29.81' LT	TO	49+50.08	29.92' LT				4.4		4.4		WHITE - CHANNELIZATION	
RDWY C GORE	48+41.14	16.14' LT	TO	48+61.30	16.03' LT				20.2		20.2		WHITE - CHANNELIZATION	
RDWY D	48+45.79	7.09' RT	TO	48+65.94	6.98' RT				5		5		WHITE 9' SKIP-3' DASH	
RDWY D	49+50.37	6.42' RT	TO	53+66.25	6.42' RT				103.975		103.975		WHITE 9' SKIP-3' DASH	
RAMP N GORE	53+66.25	6.42' RT	TO	58+85.55	11.41' RT				520.4		520.4		WHITE - CHANNELIZATION	
RAMP N GORE	56+55.79	9.76' RT	TO	58+85.55	27.36' RT				232.2		232.2		WHITE - CHANNELIZATION	
RAMP Q GORE	70+81.41	4' LT	TO	73+59.00	21.97' LT				277.4		277.4		WHITE - CHANNELIZATION	
RAMP Q GORE	70+81.41	4' LT	TO	73+95.34	3.84' LT				313.6		313.6		WHITE - CHANNELIZATION	
RAMP S GORE	84+29.61	11' LT	TO	87+30.00	11' LT				300.4		300.4		WHITE - CHANNELIZATION	
RAMP S GORE	84+30.09	23.02' LT	TO	87+30.00	11' LT				300.2		300.2		WHITE - CHANNELIZATION	
RAMP N GORE	57+58.97	GORE	TO	58+38.32	GORE				51.8		51.8		SOLID WHITE CHEVRONS 45° SKEW @ 20' SPACING	
RAMP Q GORE	71+29.32	GORE	TO	73+50.23	GORE				169.1		169.1		SOLID WHITE CHEVRONS 45° SKEW AT 75' SPACING	
SN 082-0256														
RDWY H	77+53.39	17.39' LT	TO	81+60.30	13.20' LT			403.4			403.4		YELLOW EDGE LINE	
RDWY H	77+53.18	9.22' RT	TO	81+59.59	4.87' RT			102			102		WHITE 30' SKIP-10' DASH	
RDWY H	77+53.01	20.51' RT	TO	81+59.48	15.88' RT			410.5			410.5		WHITE EDGE LINE	
RDWY H	77+53.36	2.30' LT	TO	81+60.30	7.14' LT				101.475		101.475		WHITE 9' SKIP-3' DASH	
SN 082-0203														
RAMP P	PIER P1	LT	TO	69+28.27	0'			1479.3			1479.3		YELLOW EDGE LINE	
RAMP P	PIER P1	RT	TO	67+30.51	18.31' RT			1265.3			1265.3		WHITE EDGE LINE	
RAMP P	67+72.36	43' RT	TO	69+28.23	26.62' RT			40.7			40.7		WHITE 30' SKIP-10' DASH	
RAMP P	67+69.21	54.32' RT	TO	69+28.21	37.91' RT			167.5			167.5		WHITE EDGE LINE	
RAMP P GORE	67+30.51	18.31' RT	TO	68+61.82	20.31' RT				134.4		134.4		WHITE - CHANNELIZATION	
RAMP P GORE	67+75.63	31.55' RT	TO	68+61.82	20.31' RT				89.6		89.6		WHITE - CHANNELIZATION	
RAMP P	68+61.82	20.31' RT	TO	69+28.25	15.11' RT				16.9		16.9		WHITE 9' SKIP-3' DASH	
SN 082-0255														
RAMP Q	73+59.00	46.18' LT	TO	75+56.85	82.08' LT			202.9			202.9		YELLOW EDGE LINE	
RAMP Q	73+59.00	33.94' LT	TO	75+95.63	85.73' LT			62.1			62.1		WHITE 30' SKIP-10' DASH	
RAMP Q	73+94.74	26.29' LT	TO	75+95.17	73.95' LT			211.1			211.1		WHITE EDGE LINE	
RAMP P GORE	75+56.85	82.08' LT	TO	75+96.07	97.68' LT				46.9		46.9		WHITE - CHANNELIZATION	
RDWY D GORE	73+59.00	21.97' LT	TO	73+94.74	26.29' LT				36		36		WHITE - CHANNELIZATION	
SN 082-0140														
RDWY H - APPROACH	81+59.77	13.20' LT	TO	84+94.89	12' LT	332.8					332.8		YELLOW EDGE LINE	
RDWY H - APPROACH	81+59.58	4.88' RT	TO	84+89.55	0'	82.6					82.6		WHITE 30' SKIP-10' DASH	
RDWY H - APPROACH	81+59.58	15.88' RT	TO	84+84.29	12' RT	327.7					327.7		WHITE EDGE LINE	
RDWY H - N OF TRENDLEY	87+36.24	12' LT	TO	89+99.59	12' LT	262.0					262		YELLOW EDGE LINE	
RDWY H - N OF TRENDLEY	87+28.86	0'	TO	89+99.59	0'	67.7					67.675		WHITE 30' SKIP-10' DASH	
RDWY H - N OF TRENDLEY	87+09.44	32.54' RT	TO	89+99.59	27' RT	293.9					293.9		WHITE EDGE LINE	
RAMP T	12+89.91	0'	TO	14+02.16	16' LT	112.3					112.3		YELLOW EDGE LINE	
RAMP T	12+89.91	0'	TO	13+90.42	0'	100.5					100.5		WHITE EDGE LINE	
RAMP T GORE	87+21.61	12' RT	TO	97+63.97	12' RT		42.6				42.6		WHITE - CHANNELIZATION	
RAMP T GORE	16+61.09	16' LT	TO	17+06.03	16' LT		44.9				44.9		WHITE - CHANNELIZATION	
RDWY H - N OF TRENDLEY	87+63.97	12' RT	TO	89+99.59	12' RT		59.2				59.2		WHITE 9' SKIP-3' DASH	
TRENDLEY AVE BRIDGE	84+94.89	12' LT	TO	87+36.24	12' LT			239.8			239.8		YELLOW EDGE LINE	
TRENDLEY AVE BRIDGE	84+89.55	0'	TO	87+28.87	0'			59.8			59.8		WHITE 30' SKIP-10' DASH	
RDWY H APPROACH	84+84.29	12' RT	TO	85+15.36	12' RT			31.3			31.3		WHITE EDGE LINE	
RAMP T	14+02.16	16' LT	TO	14+33.65	16' LT			31.5			31.5		YELLOW EDGE LINE	
RAMP T	13+90.42	0'	TO	16+49.35	0'			258.9			258.9		WHITE EDGE LINE	
RAMP T GORE	85+15.36	12' RT	TO	87+21.61	12' RT			207.6			207.6		WHITE - CHANNELIZATION	
RAMP T GORE	14+33.65	16' LT	TO	16+61.09	16' LT			227.5			227.5		WHITE - CHANNELIZATION	
SUBTOTALS						1579.5	146.7	14782.8	2958.3	220.9	16362.2	3105.0	220.9	
TOTALS						1580	147	14,783	2959	221	16,363	3105	221	

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USER NAME = zWaters	DESIGNED - SJF	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - SJF	REVISED -
PLOT DATE = 7/16/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A		SHEET 5 OF 6 SHEETS		STA.	TO STA.
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SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV-2R-1-I-1	ST. CLAIR	361	24
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE															
LOCATION				POLY BIT MATRLS TACK COAT (POUND)	HMA SURF REMOVAL BUTT JT (SQ YD)	TEMPORARY RAMP (SQ YD)	POLY HMA BC IL-9.5 FG N90 (TON)	POLY HMA SC IL-9.5 MIX "E" N90 (TON)	PVT CON HMA BR APP SL (SQ YD)	AGG WEDGE SHLDR TY B (TON)	HMA SHLDR 8" (SQ YD)	APPROACH SLAB REMOV (SQ YD)	LONGITUDINAL JOINT SEALANT (FOOT)	MATERIAL TRANSFER DEVICE (TON)	NOTES
ROADWAY	STATION	STATION	RT/LT												
ROADWAY H	81+60.29	81+80.27	BOTH	57											
ROADWAY H	81+80.27	82+00.27	BOTH	50			201.8	8.6						317.4	
ROADWAY H	82+00.27	84+68.12	BOTH	801				7.5							
ROADWAY H	87+50.39	89+99.59	BOTH	965			349.3	120.0						469.3	
RAMP T	12+89.91	13+76.39	BOTH	174			47.8	23.5						71.3	
RDWY H	81+60.28	82+08.82	BOTH		186.2										
RAMP T	12+89.91	13+09.91	BOTH		93.7										
RDWY H	81+60.00		BOTH			16.0									STAGE 3 & 4
RDWY H	81+79.00		BOTH			15.9									STAGE 3 & 4
RDWY H	81+81.00		BOTH			15.9									STAGE 3 & 4
RDWY H	81+99.00		BOTH			15.8									STAGE 3 & 4
RDWY H	82+01.00		BOTH			15.8									STAGE 3 & 4
RDWY H	84+68.00		BOTH			13.3									STAGE 3 & 4
RDWY H	87+50.00		BOTH			23.2									STAGE 3 & 4
RDWY H	87+65.00		RT			3.6									STAGE 3
RDWY H EXT	89+99.59		BOTH			21.7									STAGE 3 & 4
RAMP T	12+90.00		BOTH			9.6									STAGE 3
RAMP T	13+76.00		BOTH			8.9									STAGE 3
ROADWAY H	84+70.12	84+97.82	BOTH					83.9							
ROADWAY H	87+06.02	87+50.39	BOTH					168.5							
RAMP T	13+76.39	14+06.56	BOTH					61.4							
*ROADWAY H	84+68.12	85+21.44	LT							34.4					
*ROADWAY H	84+68.12	85+03.99	RT							42.6					
ROADWAY H	81+60.30	81+80.99	LT							14.4					
ROADWAY H	81+98.81	84+68.12	LT							178.1					
ROADWAY H	81+60.27	84+68.12	RT							257.8					
ROADWAY H	82+50.00	84+88.81	LT						3.1						
ROADWAY H	82+50.00	84+88.81	RT						3.1						
ROADWAY H	87+22.88	89+99.59	LT						3.6						
ROADWAY H	87+22.88	89+99.59	RT						3.6						
RAMP T	12+89.91	13+96.48	LT						1.75						
RAMP T	12+89.91	13+96.48	RT						1.75						
ROADWAY H	84+68.12	85+18.72	BOTH							114.0					
ROADWAY H	86+71.20	87+50.39	BOTH							321.1					
RAMP T	13+76.39	14+27.08	BOTH							74.2					
ROADWAY H	81+60.21	84+68.12	CL									308.4			UNDER BINDER
ROADWAY H	81+60.21	84+68.12	CL									308.4			UNDER SURFACE
ROADWAY H	87+50.39	89+99.59	CL									249.2			UNDER BINDER
ROADWAY H	87+50.39	89+99.59	CL									249.2			UNDER SURFACE
ROADWAY H	87+50.39	89+99.59	12*RT									250.5			UNDER BINDER
ROADWAY H	87+50.39	89+99.59	12*RT									250.5			UNDER SURFACE
SUBTOTALS				2047.0	279.9	159.6	598.9	259.1	313.8	16.9	527.3	509.3	1616.2	858.0	
TOTALS				2047	280	160	599	260	314	17	528	510	1617	859	

* SHOULDERS BUILT IN STAGE 1 AND REMOVED IN STAGE 3 AND STAGE 4

PAVEMENT REMOVAL SCHEDULE						
LOCATION				HMA SURF REMOVAL 3/4" (SQ YD)	HMA SURF REMOVAL 3" (SQ YD)	PAVED SHLDR REMOV (SQ YD)
ROADWAY	STATION	STATION	RT/LT			
ROADWAY H	83+91.00	84+68.12	BOTH	343.0		
ROADWAY H	87+50.39	89+74.89	BOTH	1028.5		
RAMP T	13+19.91	13+76.39	BOTH	169.5		
ROADWAY H	82+08.82	83+91.00	BOTH		795.1	
ROADWAY H	89+30.00	89+99.59	BOTH		399.9	
ROADWAY H	81+60.30	85+20.48	LT			164.3
ROADWAY H	81+60.27	85+08.58	RT			303.0
ROADWAY H	86+98.76	87+64.01	LT			37.2
ROADWAY H	86+68.13	87+64.50	RT			85.7
RAMP T	13+76.39	14+28.40	LT			13.6
RAMP T	13+76.39	14+16.69	RT			29.8
*ROADWAY H	84+68.12	85+21.44	LT			34.4
*ROADWAY H	84+68.12	85+03.99	RT			42.6
SUBTOTALS				1541.0	1195.0	710.7
TOTALS				1541	1195	711

* SHOULDERS BUILT IN STAGE 1 AND REMOVED IN STAGE 3 AND STAGE 4

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USER NAME = zWaters	DESIGNED - SJF	REVISED -
	DRAWN - SJF	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/16/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

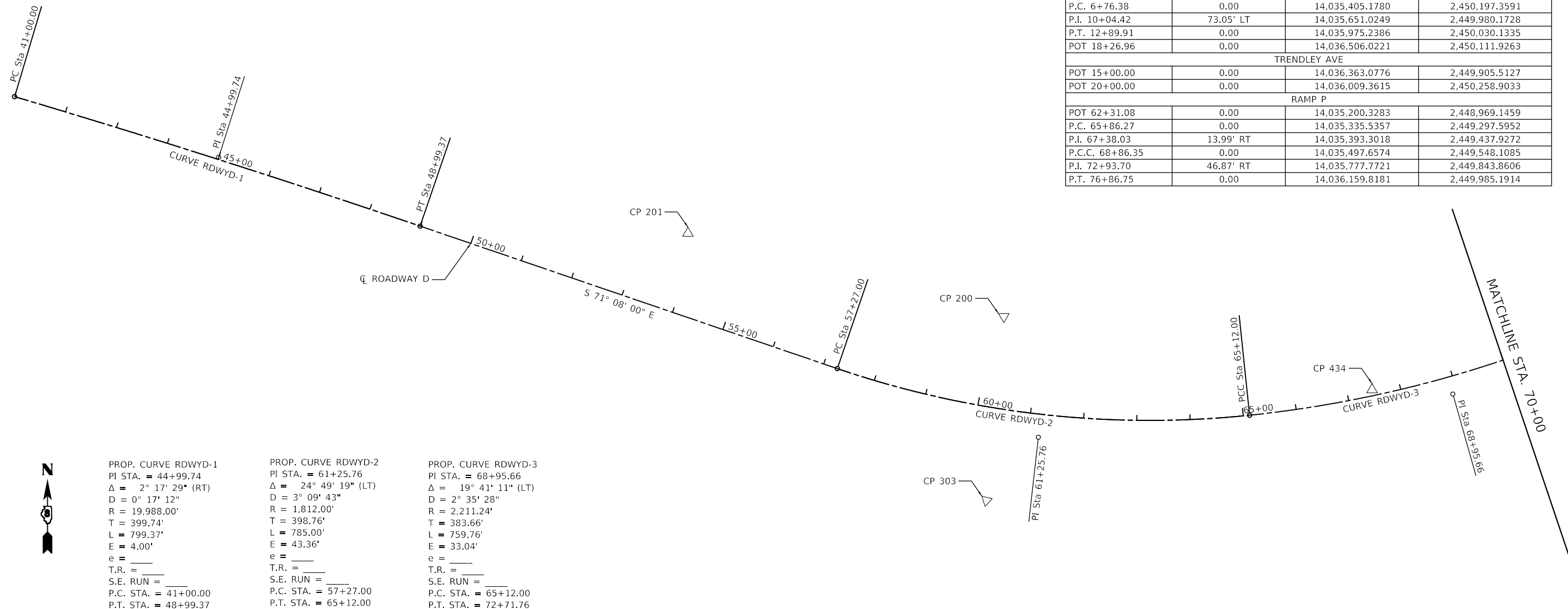
SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	25
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

COORDINATE TABLE			
POINT NUMBER	NORTHING	EASTING	DESCRIPTION
CONTROL POINTS			
200	14,035,151.4810	2,448,034.5940	LARGE NAIL
201	14,035,307.9430	2,447,441.6760	LARGE NAIL
203	14,035,748.1900	2,449,374.7090	LARGE NAIL
204	14,035,248.7110	2,449,135.0760	LARGE NAIL
303	14,034,806.1069	2,448,002.0235	IRON PIN W/ ALUMINUM CAP
305	14,035,688.3165	2,448,778.6077	IRON PIN W/ ALUMINUM CAP
307	14,035,469.5918	2,449,664.9248	IRON PIN W/ ALUMINUM CAP
434	14,035,014.1400	2,448,725.9270	LARGE NAIL

COORDINATE TABLE			
STATION	OFFSET	NORTHING	EASTING
ROADWAY D			
P.C. 41+00.00	0.00	14,035,564.7259	2,446,177.5368
P.I. 44+99.74	4.00' LT	14,035,450.6905	2,446,560.6642
P.T. 48+99.37	0.00	14,035,321.4281	2,446,938.9259
P.C. 57+27.00	0.00	14,035,053.7995	2,447,722.0903
P.I. 61+25.76	3.36' RT	14,034,924.8547	2,448,099.4227
P.C.C. 65+12.00	0.00	14,034,966.2256	2,448,496.0270
P.I. 68+95.66	33.04' RT	14,035,006.0305	2,448,877.6184
P.T. 72+71.76	0.00	14,035,172.0553	2,449,223.4972
P.C. 75+43.06	0.00	14,035,289.4570	2,449,468.0796
P.I. 80+23.30	148.9' LT	14,035,497.2749	2,449,901.0258
P.T. 83+84.89	0.00	14,035,168.1412	2,450,250.7423
P.C. 90+35.85	0.00	14,034,722.0043	2,450,724.7790
P.I. 92+35.85	1.73' LT	14,034,584.9338	2,450,870.4214
P.T. 94+35.81	0.00	14,034,442.8968	2,451,011.2245
ROADWAY H			
P.C. 77+11.00	0.00	14,035,484.5846	2,449,560.4816
P.I. 83+18.82	98.88' RT	14,035,908.9501	2,449,995.6331
P.T. 88+84.19	0.00	14,036,509.6775	2,450,088.2047
ROADWAY H EXT			
P.C. 88+84.19	0.00	14,036,509.6775	2,450,088.2047
P.I. 90+50.75	3.94' RT	14,036,674.2968	2,450,113.5724
P.T. 92+17.07	0.00	14,036,840.5767	2,450,123.2673
POT 94+00.00	0.00	14,037,023.2007	2,450,133.9151
RAMP T			
POT 5+30.65	0.00	14,035,295.9620	2,450,293.8428
P.C. 6+76.38	0.00	14,035,405.1780	2,450,197.3591
P.I. 10+04.42	73.05' LT	14,035,651.0249	2,449,980.1728
P.T. 12+89.91	0.00	14,035,975.2386	2,450,030.1335
POT 18+26.96	0.00	14,036,506.0221	2,450,111.9263
TRENDLEY AVE			
POT 15+00.00	0.00	14,036,363.0776	2,449,905.5127
POT 20+00.00	0.00	14,036,009.3615	2,450,258.9033
RAMP P			
POT 62+31.08	0.00	14,035,200.3283	2,448,969.1459
P.C. 65+86.27	0.00	14,035,335.5357	2,449,297.5952
P.I. 67+38.03	13.99' RT	14,035,393.3018	2,449,437.9272
P.C.C. 68+86.35	0.00	14,035,497.6574	2,449,548.1085
P.I. 72+93.70	46.87' RT	14,035,777.7721	2,449,843.8606
P.T. 76+86.75	0.00	14,036,159.8181	2,449,985.1914



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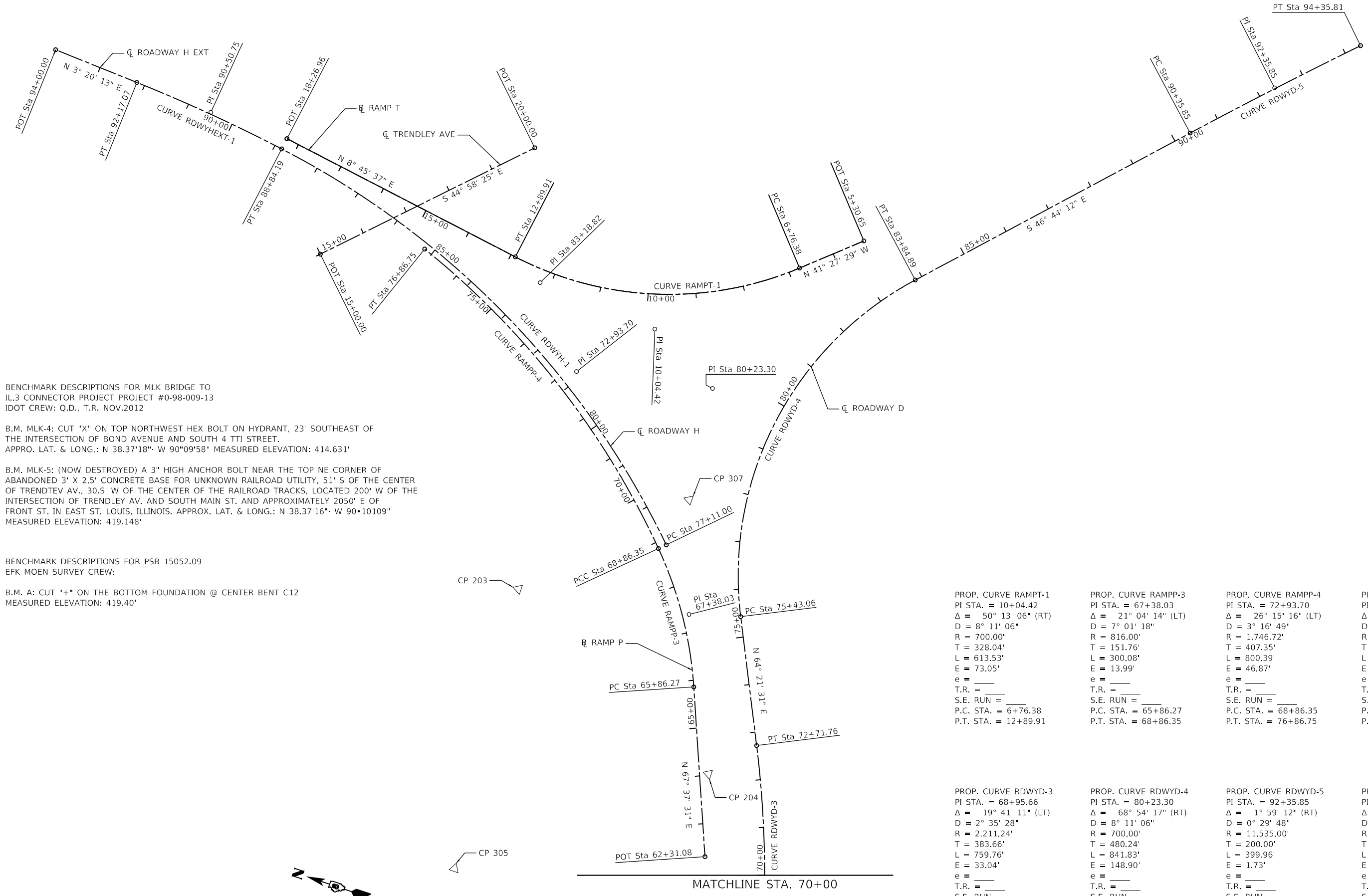


USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 200.0004' / in.	DRAWN - SJF	REVISED -
PLOT DATE = 7/15/2020	CHECKED - MPB	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
 SCALE: 1" = 100'
 SHEET 1 OF 3 SHEETS
 STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	26
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



BENCHMARK DESCRIPTIONS FOR MLK BRIDGE TO IL3 CONNECTOR PROJECT PROJECT #0-98-009-13
 IDOT CREW: Q.D., T.R. NOV.2012

1. B.M. MLK-4: CUT "X" ON TOP NORTHWEST HEX BOLT ON HYDRANT, 23' SOUTHEAST OF THE INTERSECTION OF BOND AVENUE AND SOUTH 4 TTI STREET. APPROX. LAT. & LONG.: N 38.37°18' W 90°09'58" MEASURED ELEVATION: 414.631'
2. B.M. MLK-5: (NOW DESTROYED) A 3" HIGH ANCHOR BOLT NEAR THE TOP NE CORNER OF ABANDONED 3' X 2.5' CONCRETE BASE FOR UNKNOWN RAILROAD UTILITY, 51' S OF THE CENTER OF TRENDTEV AV., 30.5' W OF THE CENTER OF THE RAILROAD TRACKS, LOCATED 200' W OF THE INTERSECTION OF TRENDLEY AV. AND SOUTH MAIN ST. AND APPROXIMATELY 2050' E OF FRONT ST. IN EAST ST. LOUIS, ILLINOIS. APPROX. LAT. & LONG.: N 38.37°16' W 90°10'09" MEASURED ELEVATION: 419.148'

BENCHMARK DESCRIPTIONS FOR PSB 15052.09
 EFK MOEN SURVEY CREW:

1. B.M. A: CUT "+" ON THE BOTTOM FOUNDATION @ CENTER BENT C12 MEASURED ELEVATION: 419.40'

PROP. CURVE	PROP. CURVE	PROP. CURVE	PROP. CURVE
CURVE RAMPT-1 PI STA. = 10+04.42 $\Delta = 50^\circ 13' 06''$ (RT) D = 8° 11' 06" R = 700.00' T = 328.04' L = 613.53' E = 73.05' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 6+76.38 P.T. STA. = 12+89.91	CURVE RAMP-3 PI STA. = 67+38.03 $\Delta = 21^\circ 04' 14''$ (LT) D = 7° 01' 18" R = 816.00' T = 151.76' L = 300.08' E = 13.99' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 65+86.27 P.T. STA. = 68+86.35	CURVE RAMP-4 PI STA. = 72+93.70 $\Delta = 26^\circ 15' 16''$ (LT) D = 3° 16' 49" R = 1,746.72' T = 407.35' L = 800.39' E = 46.87' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 68+86.35 P.T. STA. = 76+86.75	CURVE RDWYHEXT-1 PI STA. = 90+50.75 $\Delta = 5^\circ 25' 25''$ (LT) D = 1° 37' 45" R = 3,516.62' T = 166.56' L = 332.88' E = 3.94' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 88+84.19 P.T. STA. = 92+17.07
CURVE RDWYD-3 PI STA. = 68+95.66 $\Delta = 19^\circ 41' 11''$ (LT) D = 2° 35' 28" R = 2,211.24' T = 383.66' L = 759.76' E = 33.04' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 65+12.00 P.T. STA. = 72+71.76	CURVE RDWYD-4 PI STA. = 80+23.30 $\Delta = 68^\circ 54' 17''$ (RT) D = 8° 11' 06" R = 700.00' T = 480.24' L = 841.83' E = 148.89' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 75+43.06 P.T. STA. = 83+84.89	CURVE RDWYD-5 PI STA. = 92+35.85 $\Delta = 1^\circ 59' 12''$ (RT) D = 0° 29' 48" R = 11,535.00' T = 200.00' L = 399.96' E = 1.73' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 90+35.85 P.T. STA. = 94+35.81	CURVE RDWYH-1 PI STA. = 83+18.82 $\Delta = 36^\circ 57' 31''$ (LT) D = 3° 09' 01" R = 1,818.76' T = 607.82' L = 1,173.19' E = 98.88' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 77+11.00 P.T. STA. = 88+84.19



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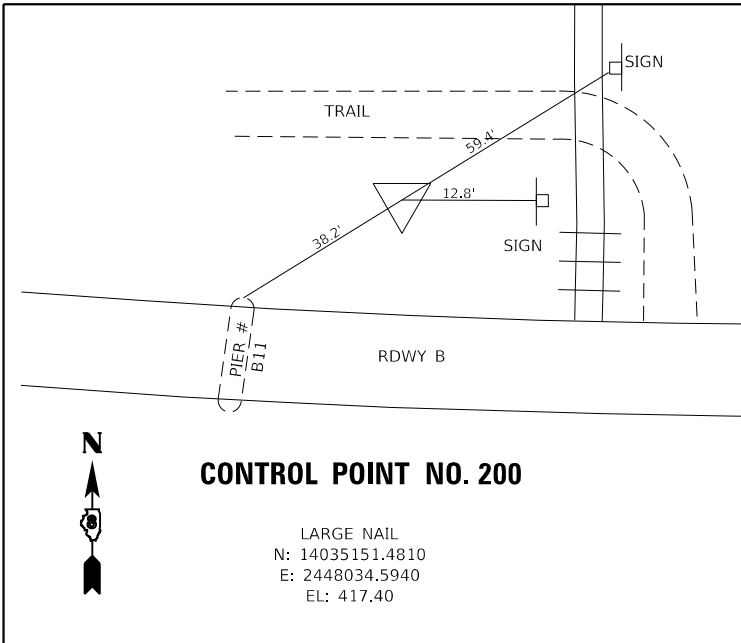
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PLOT SCALE = 200.0004' / in.	DRAWN - SJF	REVISED -
PLOT DATE = 7/15/2020	CHECKED - MPB	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS

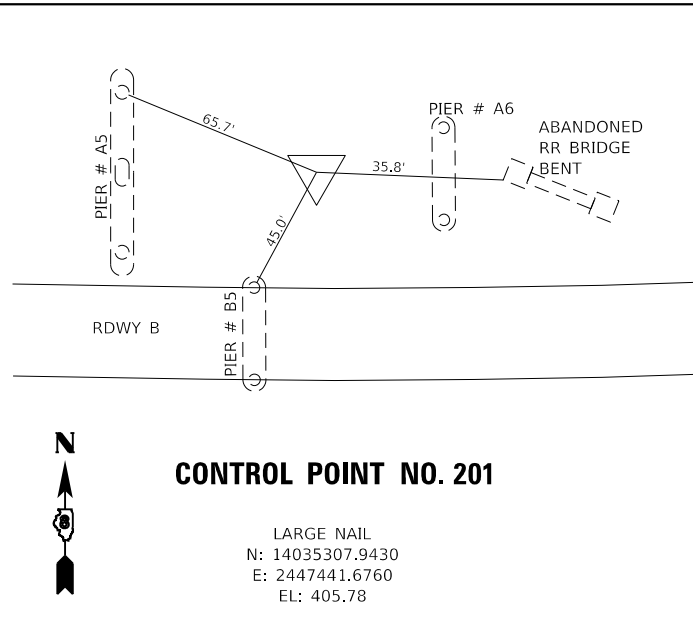
SCALE: 1" = 100' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	27
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



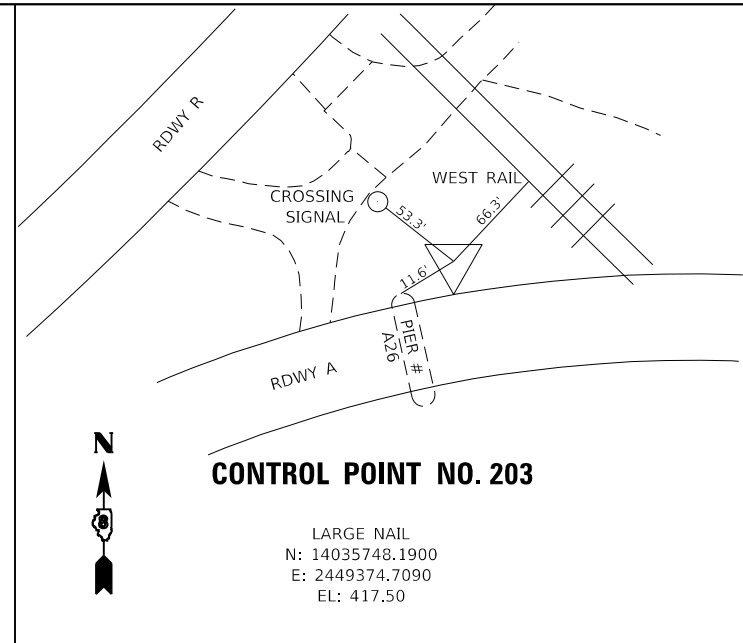
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LARGE NAIL
 N: 14035151.4810
 E: 2448034.5940
 EL: 417.40



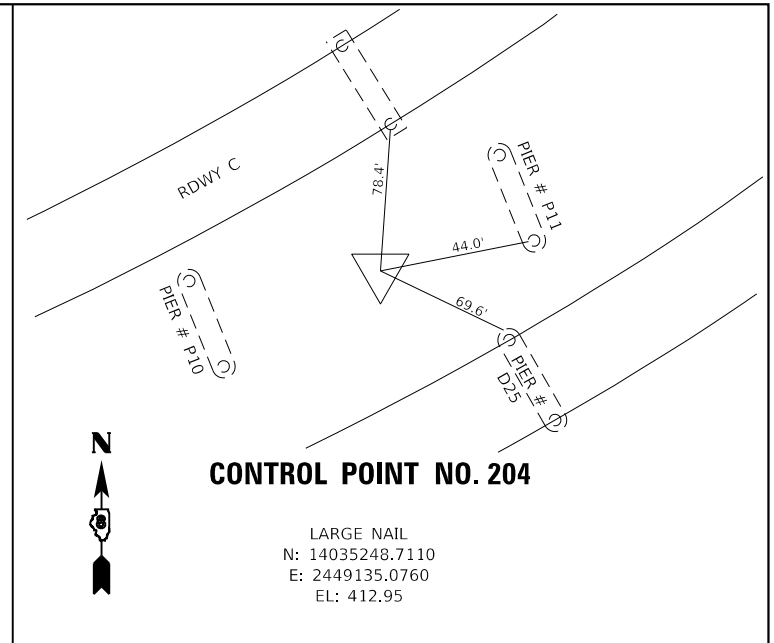
CONTROL POINT NO. 201

LARGE NAIL
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 EL: 405.78



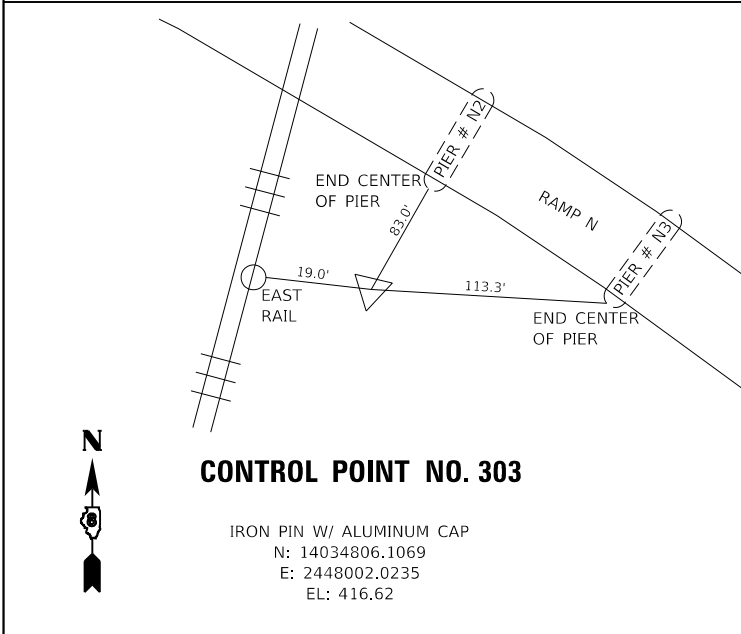
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LARGE NAIL
 N: 14035748.1900
 E: 2449374.7090
 EL: 417.50



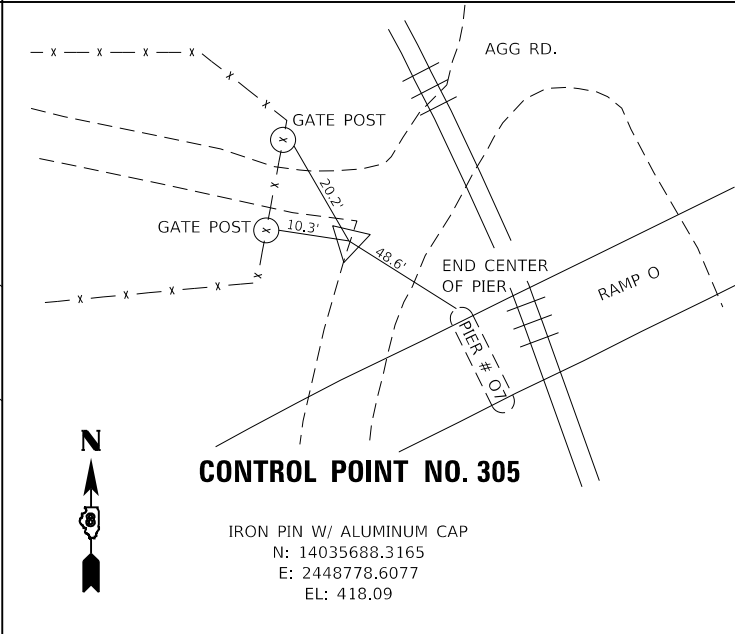
CONTROL POINT NO. 204

LARGE NAIL
 N: 14035248.7110
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 EL: 412.95



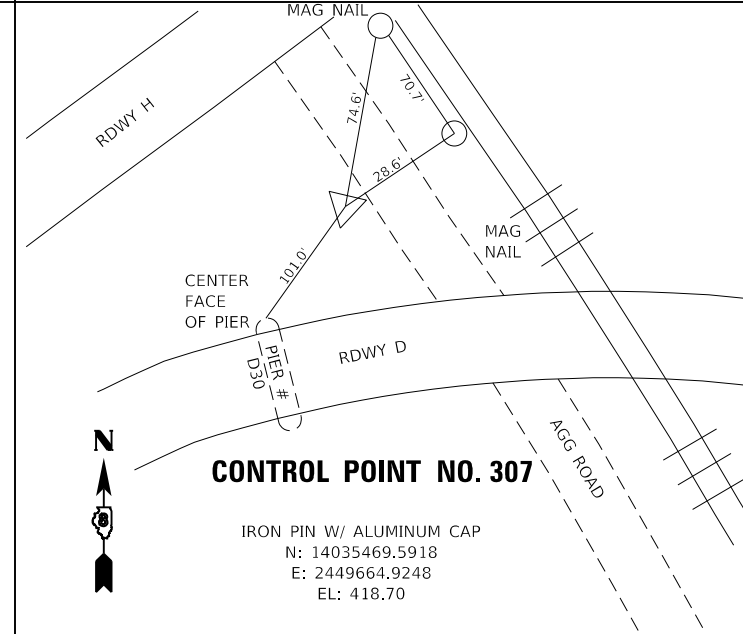
CONTROL POINT NO. 303

IRON PIN W/ ALUMINUM CAP
 N: 14034806.1069
 E: 2448002.0235
 EL: 416.62



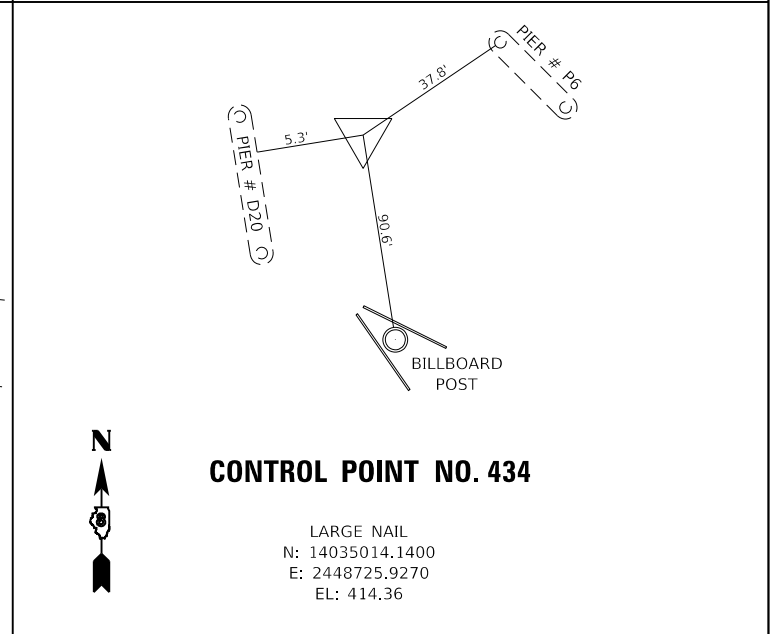
CONTROL POINT NO. 305

IRON PIN W/ ALUMINUM CAP
 N: 14035688.3165
 E: 2448778.6077
 EL: 418.09



CONTROL POINT NO. 307

IRON PIN W/ ALUMINUM CAP
 N: 14035469.5918
 E: 2449664.9248
 EL: 418.70



CONTROL POINT NO. 434

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 E: 2448725.9270
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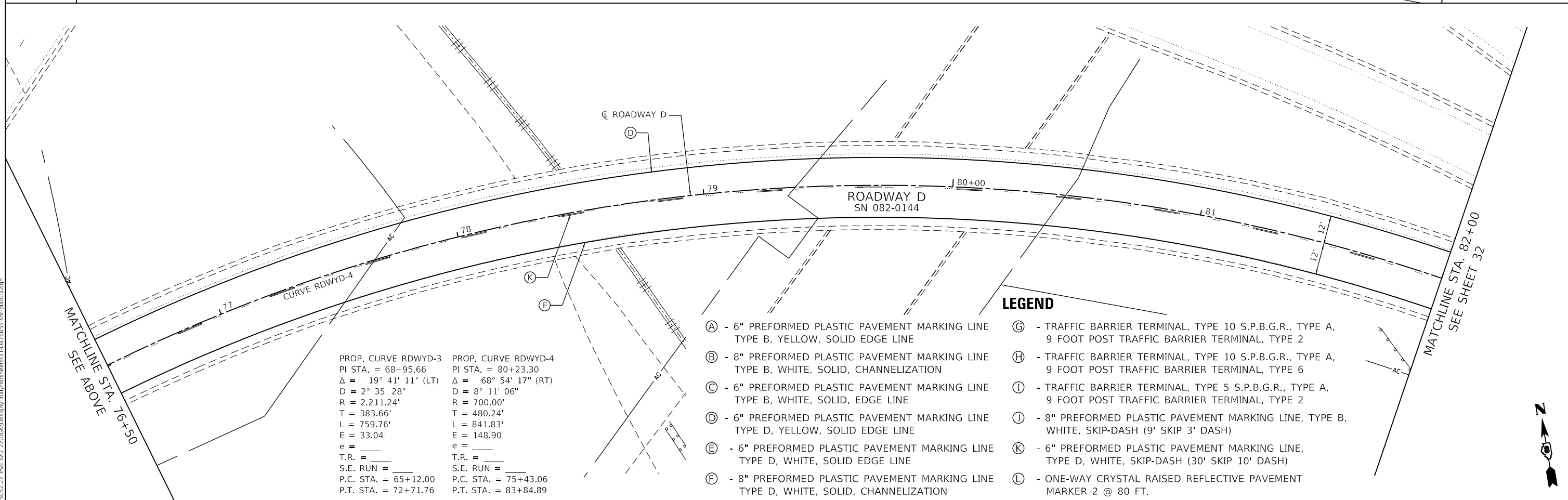
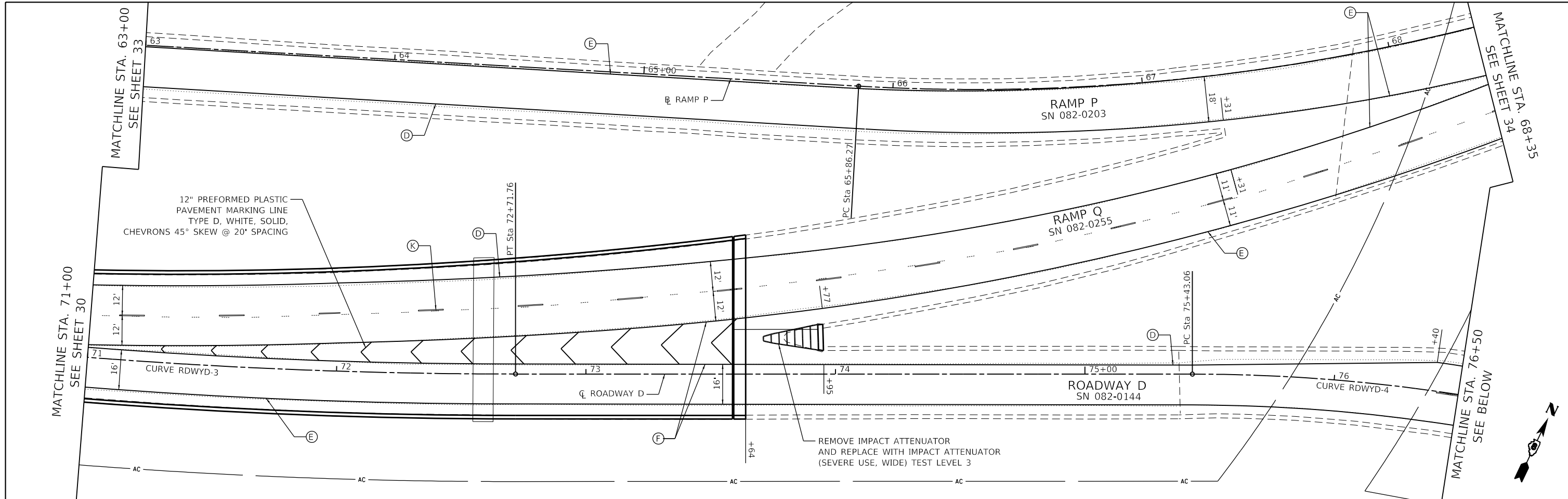
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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND, BENCHMARKS

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	28
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



PROP. CURVE RDWYD-3	PROP. CURVE RDWYD-4
PI STA. = 68+95.66	PI STA. = 80+23.30
$\Delta = 19^\circ 41' 11''$ (LT)	$\Delta = 68^\circ 54' 17''$ (RT)
D = 2° 35' 28"	D = 8° 11' 06"
R = 2,211.24'	R = 700.00'
T = 383.66'	T = 480.24'
L = 759.76'	L = 841.83'
E = 33.04'	E = 148.90'
e = _____	e = _____
T.R. = _____	T.R. = _____
S.E. RUN = _____	S.E. RUN = _____
P.C. STA. = 65+12.00	P.C. STA. = 75+43.06
P.T. STA. = 72+71.76	P.T. STA. = 83+84.89

- LEGEND**
- (A) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, YELLOW, SOLID EDGE LINE
 - (B) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, CHANNELIZATION
 - (C) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, EDGE LINE
 - (D) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, YELLOW, SOLID EDGE LINE
 - (E) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, WHITE, SOLID EDGE LINE
 - (F) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, WHITE, SOLID, CHANNELIZATION
 - (G) - TRAFFIC BARRIER TERMINAL, TYPE 10 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
 - (H) - TRAFFIC BARRIER TERMINAL, TYPE 10 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 6
 - (I) - TRAFFIC BARRIER TERMINAL, TYPE 5 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
 - (J) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE B, WHITE, SKIP-DASH (9' SKIP 3' DASH)
 - (K) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE D, WHITE, SKIP-DASH (30' SKIP 10' DASH)
 - (L) - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER 2 @ 80 FT.

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EFK Moen
Civil Engineering Design

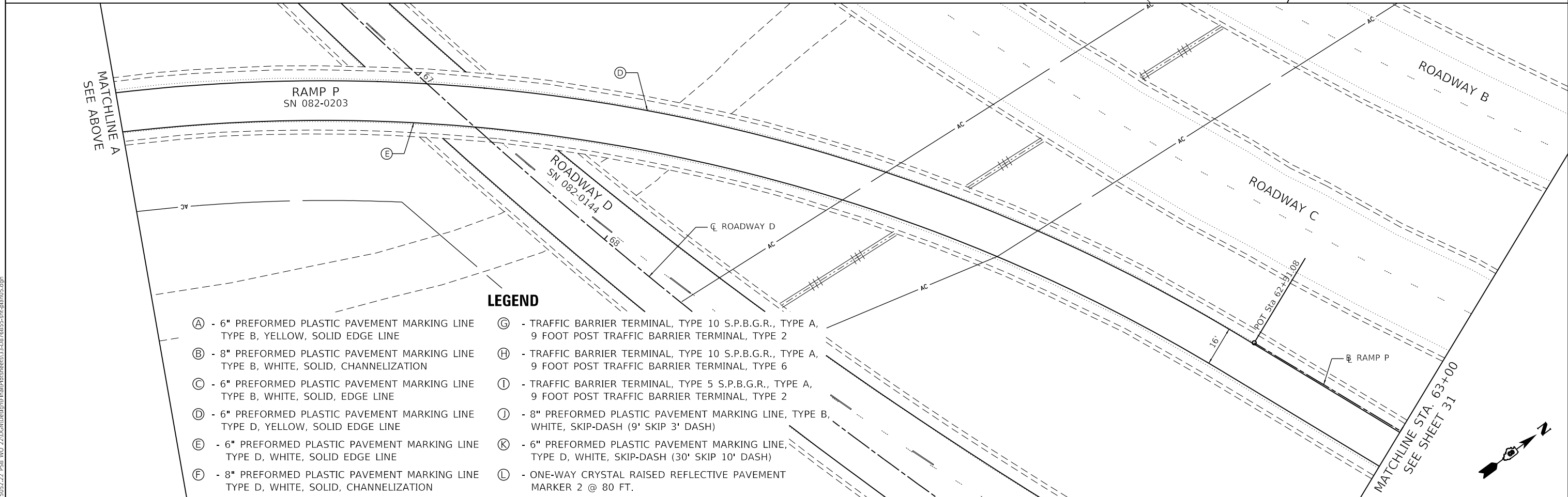
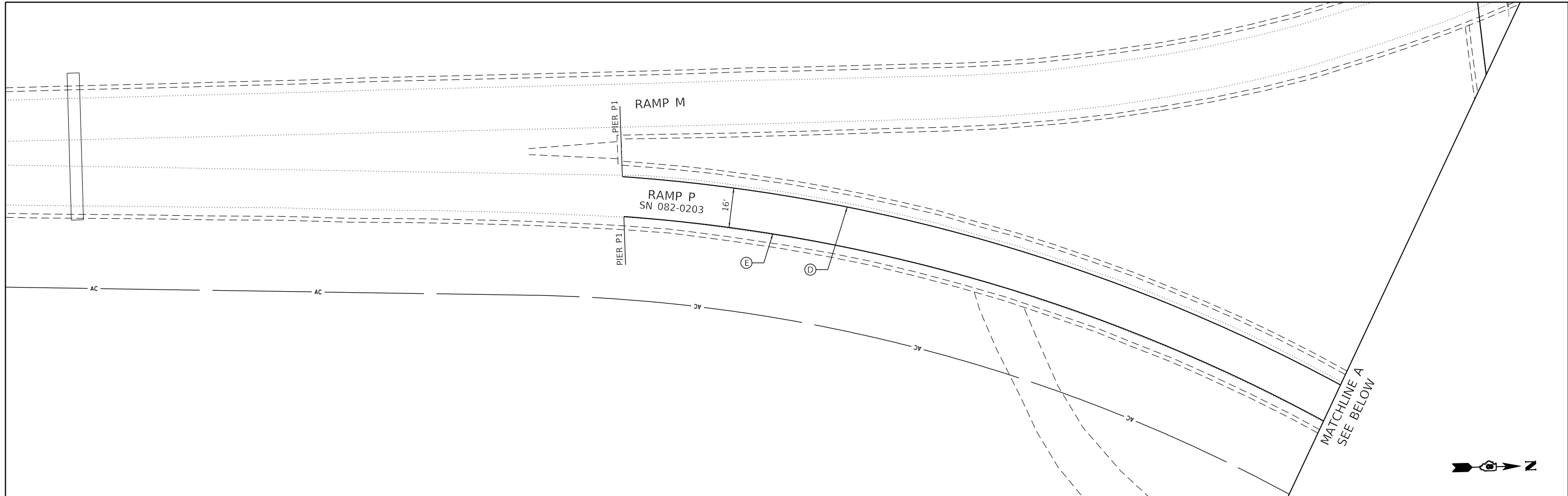
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	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PAVEMENT MARKING

SCALE: 1"=20' SHEET 3 OF 8 SHEETS STA. 71+00.00 TO STA. 82+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	31
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- (A) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, YELLOW, SOLID EDGE LINE
 - (B) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, CHANNELIZATION
 - (C) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, EDGE LINE
 - (D) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, YELLOW, SOLID EDGE LINE
 - (E) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, WHITE, SOLID EDGE LINE
 - (F) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, WHITE, SOLID, CHANNELIZATION
 - (G) - TRAFFIC BARRIER TERMINAL, TYPE 10 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
 - (H) - TRAFFIC BARRIER TERMINAL, TYPE 10 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 6
 - (I) - TRAFFIC BARRIER TERMINAL, TYPE 5 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
 - (J) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE B, WHITE, SKIP-DASH (9' SKIP 3' DASH)
 - (K) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE D, WHITE, SKIP-DASH (30' SKIP 10' DASH)
 - (L) - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER 2 @ 80 FT.

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EFK Moen
Civil Engineering Design

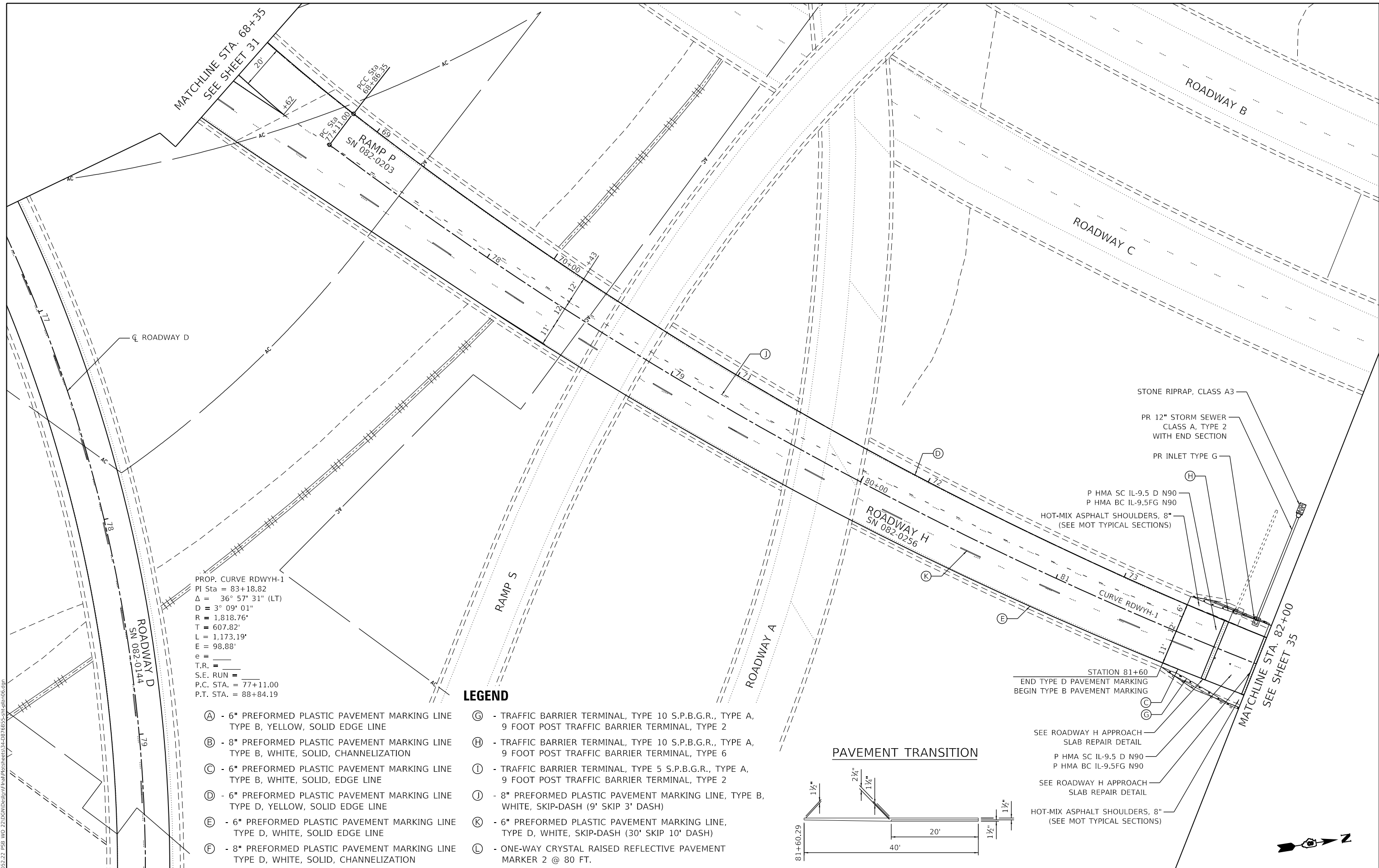
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PAVEMENT MARKING

SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. TO STA. 63+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



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EFK Moen
 Civil Engineering Design

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	DATE - 07/16/2020	REVISED -

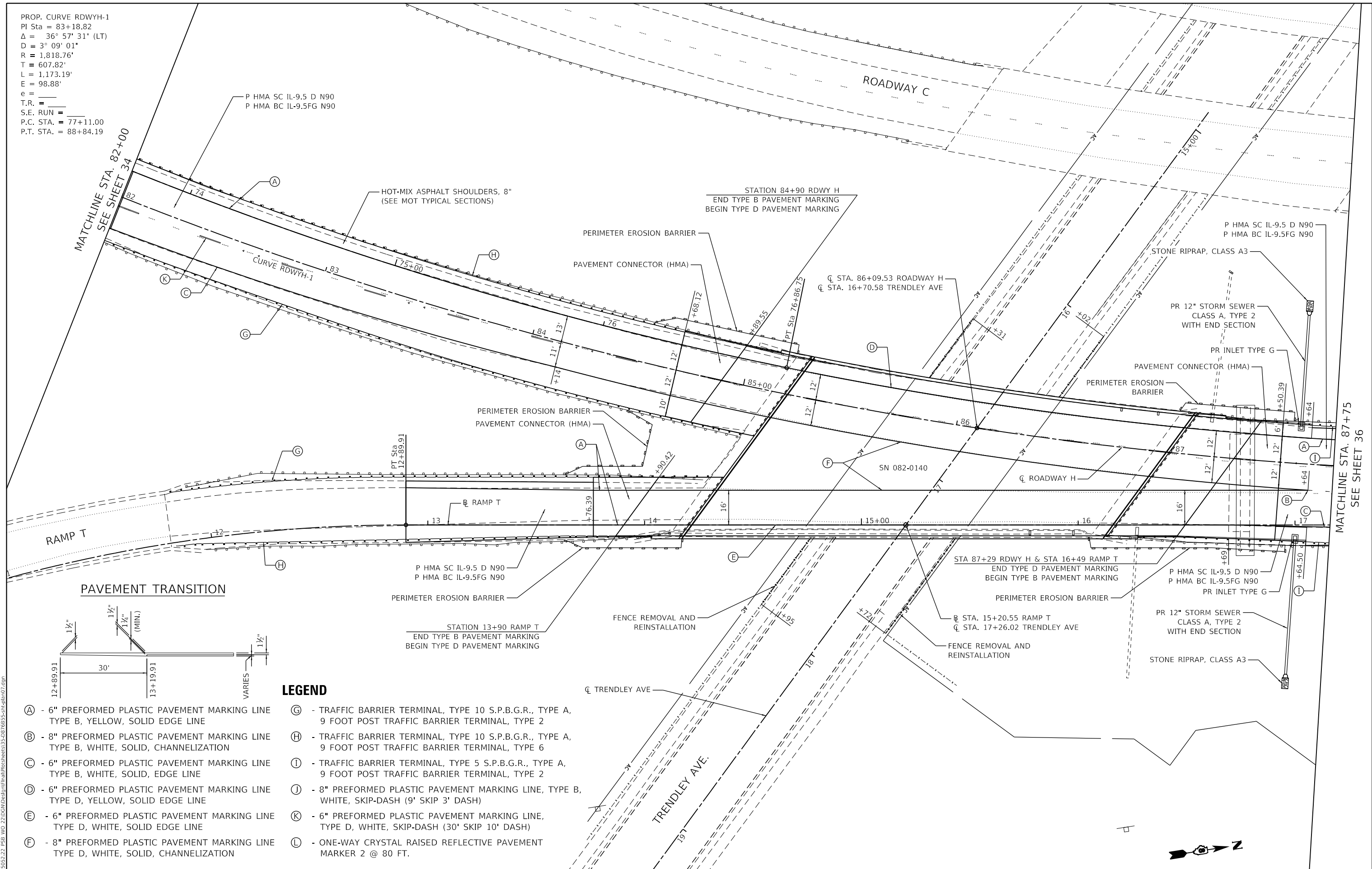
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PAVEMENT MARKING
 SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 81+42.50 TO STA. 82+00.00

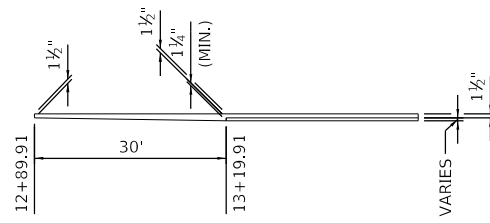
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	34
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



PROP. CURVE RDWYH-1
 PI Sta = 83+18.82
 $\Delta = 36^\circ 57' 31"$ (LT)
 $D = 3^\circ 09' 01"$
 $R = 1,818.76'$
 $T = 607.82'$
 $L = 1,173.19'$
 $E = 98.88'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 77+11.00
 P.T. STA. = 88+84.19



PAVEMENT TRANSITION



LEGEND

- (A) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, YELLOW, SOLID EDGE LINE
- (B) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, CHANNELIZATION
- (C) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, EDGE LINE
- (D) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, YELLOW, SOLID EDGE LINE
- (E) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, WHITE, SOLID EDGE LINE
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- (I) - TRAFFIC BARRIER TERMINAL, TYPE 5 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
- (J) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE B, WHITE, SKIP-DASH (9' SKIP 3' DASH)
- (K) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE, TYPE D, WHITE, SKIP-DASH (30' SKIP 10' DASH)
- (L) - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER 2 @ 80 FT.

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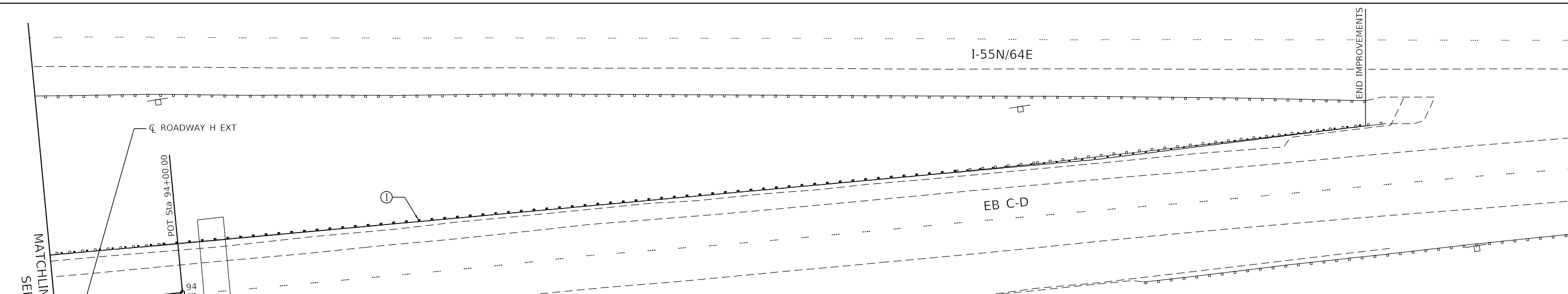
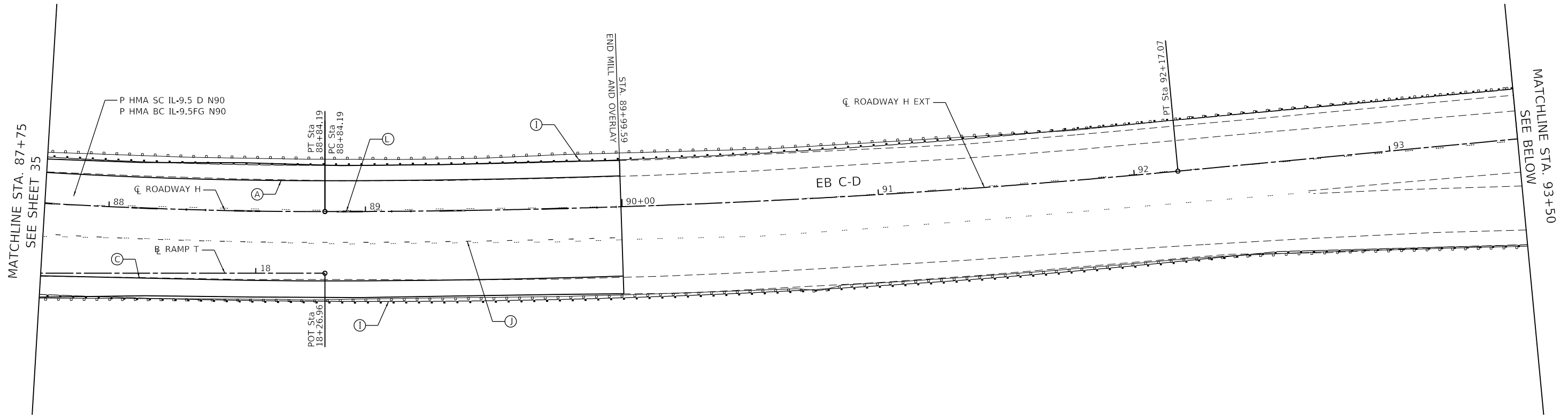
EFK Moen
 Civil Engineering Design

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	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PAVEMENT MARKING
 SCALE: 1"=20'
 SHEET 7 OF 8 SHEETS
 STA. 82+00.00 TO STA. 87+75.00

F.A.J. RTE. 70	SECTION 82-3HVB-2R-1-I-1	COUNTY ST. CLAIR	TOTAL SHEETS 361	SHEET NO. 35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



- LEGEND**
- (A) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, YELLOW, SOLID EDGE LINE
 - (B) - 8" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, CHANNELIZATION
 - (C) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, WHITE, SOLID, EDGE LINE
 - (D) - 6" PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, YELLOW, SOLID EDGE LINE
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 - (H) - TRAFFIC BARRIER TERMINAL, TYPE 10 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 6
 - (I) - TRAFFIC BARRIER TERMINAL, TYPE 5 S.P.B.G.R., TYPE A, 9 FOOT POST TRAFFIC BARRIER TERMINAL, TYPE 2
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 - (L) - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER 2 @ 80 FT.

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EFK Moen
Civil Engineering Design

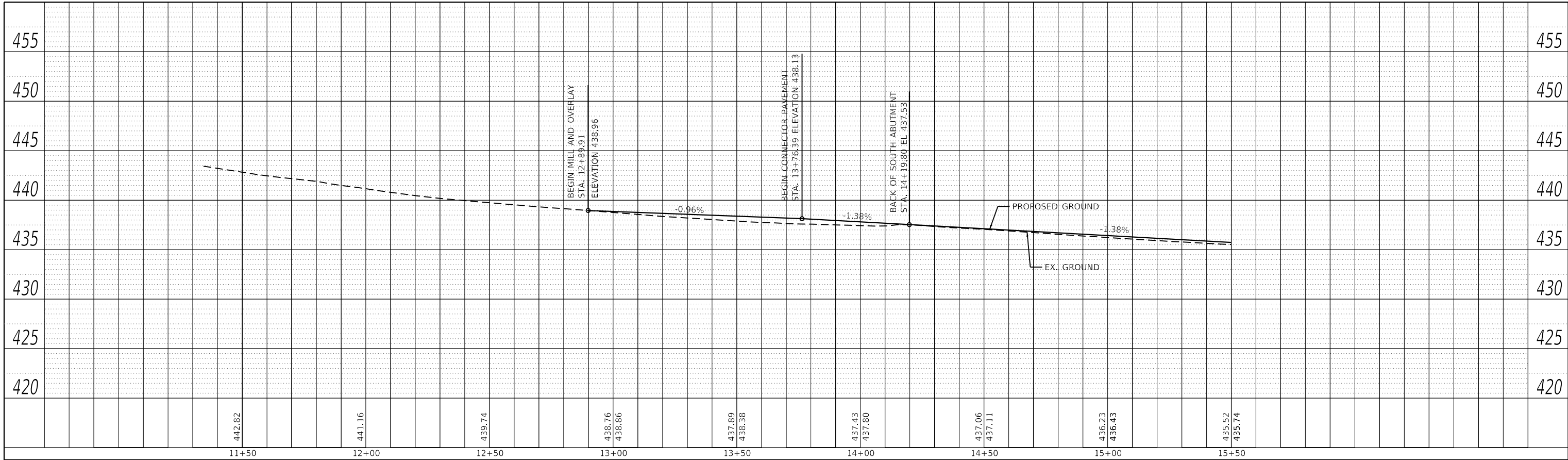
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

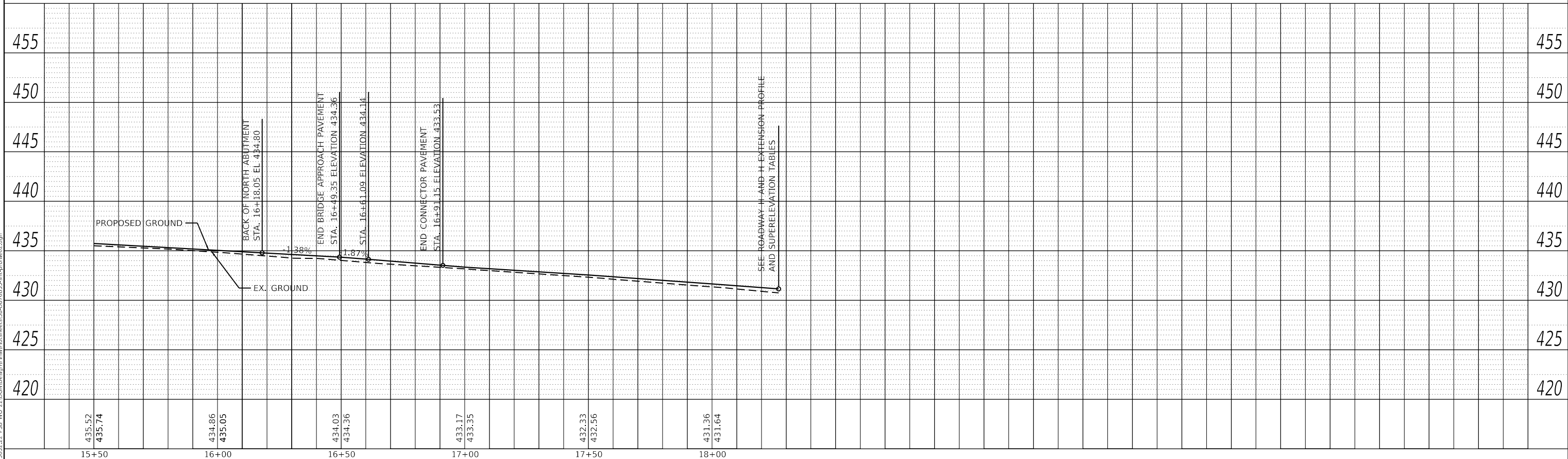
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SCALE: 1"=20' SHEET 8 OF 8 SHEETS STA. 87+75.00 TO STA. 94+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	36
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADES CHECKED		
	CAD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



EFK Moen
Civil Engineering Design

USER NAME = zWaters
PLOT SCALE = 40.0000' / in.
PLOT DATE = 7/15/2020

DESIGNED - JRD
DRAWN - SJF
CHECKED - SLD
DATE - 07/16/2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

PROFILE
RAMP T

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	38
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

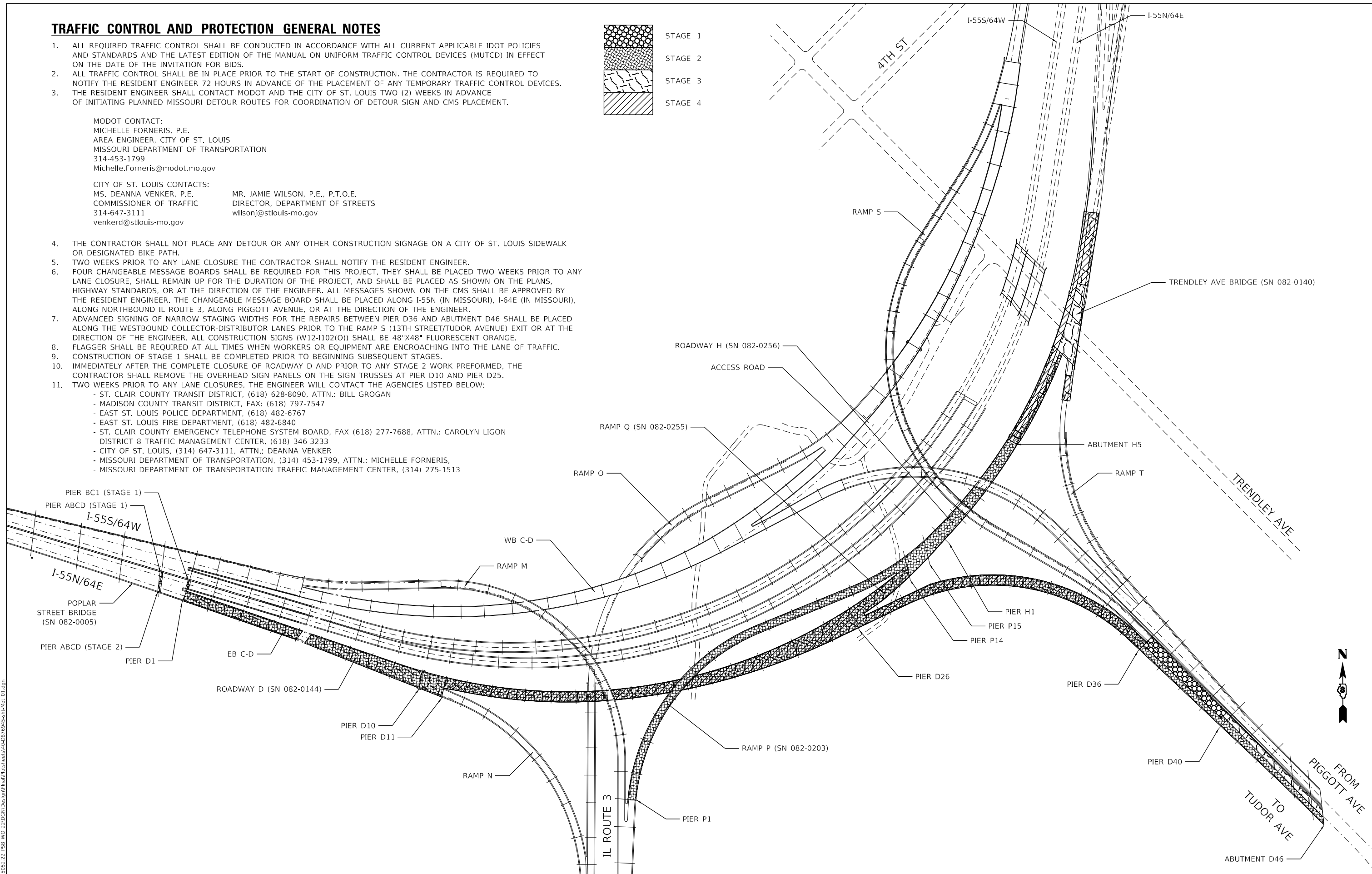
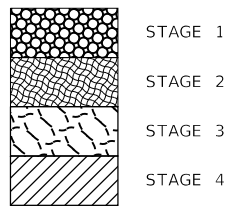
1. ALL REQUIRED TRAFFIC CONTROL SHALL BE CONDUCTED IN ACCORDANCE WITH ALL CURRENT APPLICABLE IDOT POLICIES AND STANDARDS AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
2. ALL TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY THE RESIDENT ENGINEER 72 HOURS IN ADVANCE OF THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
3. THE RESIDENT ENGINEER SHALL CONTACT MODOT AND THE CITY OF ST. LOUIS TWO (2) WEEKS IN ADVANCE OF INITIATING PLANNED MISSOURI DETOUR ROUTES FOR COORDINATION OF DETOUR SIGN AND CMS PLACEMENT.

MODOT CONTACT:
 MICHELLE FORNERIS, P.E.
 AREA ENGINEER, CITY OF ST. LOUIS
 MISSOURI DEPARTMENT OF TRANSPORTATION
 314-453-1799
 Michelle.Forneris@modot.mo.gov

CITY OF ST. LOUIS CONTACTS:
 MS. DEANNA VENKER, P.E.
 COMMISSIONER OF TRAFFIC
 314-647-3111
 venkerd@stlouis-mo.gov

MR. JAMIE WILSON, P.E., P.T.O.E.
 DIRECTOR, DEPARTMENT OF STREETS
 wilsonj@stlouis-mo.gov

4. THE CONTRACTOR SHALL NOT PLACE ANY DETOUR OR ANY OTHER CONSTRUCTION SIGNAGE ON A CITY OF ST. LOUIS SIDEWALK OR DESIGNATED BIKE PATH.
5. TWO WEEKS PRIOR TO ANY LANE CLOSURE THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER.
6. FOUR CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE, SHALL REMAIN UP FOR THE DURATION OF THE PROJECT, AND SHALL BE PLACED AS SHOWN ON THE PLANS, HIGHWAY STANDARDS, OR AT THE DIRECTION OF THE ENGINEER. ALL MESSAGES SHOWN ON THE CMS SHALL BE APPROVED BY THE RESIDENT ENGINEER. THE CHANGEABLE MESSAGE BOARD SHALL BE PLACED ALONG I-55N (IN MISSOURI), I-64E (IN MISSOURI), ALONG NORTHBOUND IL ROUTE 3, ALONG PIGGOTT AVENUE, OR AT THE DIRECTION OF THE ENGINEER.
7. ADVANCED SIGNING OF NARROW STAGING WIDTHS FOR THE REPAIRS BETWEEN PIER D36 AND ABUTMENT D46 SHALL BE PLACED ALONG THE WESTBOUND COLLECTOR-DISTRIBUTOR LANES PRIOR TO THE RAMP S (13TH STREET/TUDOR AVENUE) EXIT OR AT THE DIRECTION OF THE ENGINEER. ALL CONSTRUCTION SIGNS (W12-1102(O)) SHALL BE 48"X48" FLUORESCENT ORANGE.
8. FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCRANCHING INTO THE LANE OF TRAFFIC.
9. CONSTRUCTION OF STAGE 1 SHALL BE COMPLETED PRIOR TO BEGINNING SUBSEQUENT STAGES.
10. IMMEDIATELY AFTER THE COMPLETE CLOSURE OF ROADWAY D AND PRIOR TO ANY STAGE 2 WORK PERFORMED, THE CONTRACTOR SHALL REMOVE THE OVERHEAD SIGN PANELS ON THE SIGN TRUSSES AT PIER D10 AND PIER D25.
11. TWO WEEKS PRIOR TO ANY LANE CLOSURES, THE ENGINEER WILL CONTACT THE AGENCIES LISTED BELOW:
 - ST. CLAIR COUNTY TRANSIT DISTRICT, (618) 628-8090, ATTN.: BILL GROGAN
 - MADISON COUNTY TRANSIT DISTRICT, FAX: (618) 797-7547
 - EAST ST. LOUIS POLICE DEPARTMENT, (618) 482-6767
 - EAST ST. LOUIS FIRE DEPARTMENT, (618) 482-6840
 - ST. CLAIR COUNTY EMERGENCY TELEPHONE SYSTEM BOARD, FAX (618) 277-7688, ATTN.: CAROLYN LIGON
 - DISTRICT 8 TRAFFIC MANAGEMENT CENTER, (618) 346-3233
 - CITY OF ST. LOUIS, (314) 647-3111, ATTN.: DEANNA VENKER
 - MISSOURI DEPARTMENT OF TRANSPORTATION, (314) 453-1799, ATTN.: MICHELLE FORNERIS,
 - MISSOURI DEPARTMENT OF TRANSPORTATION TRAFFIC MANAGEMENT CENTER, (314) 275-1513



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EFK Moen
 Civil Engineering Design

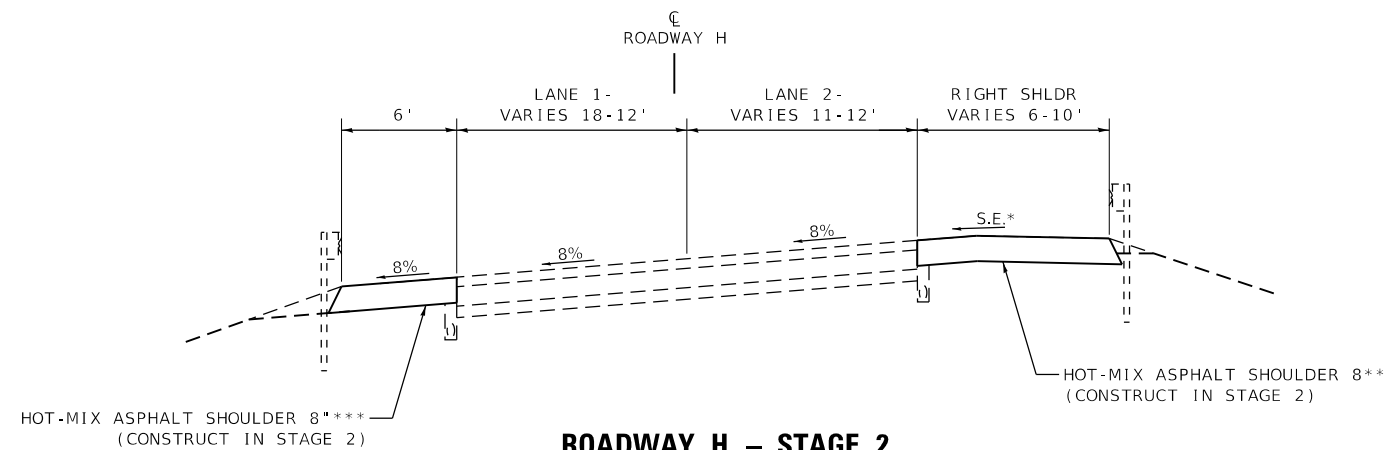
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	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
 PSB COMPLEX LOCATION PLAN & GENERAL NOTES**

SCALE: N/A SHEET 1 OF 38 SHEETS STA. TO STA.

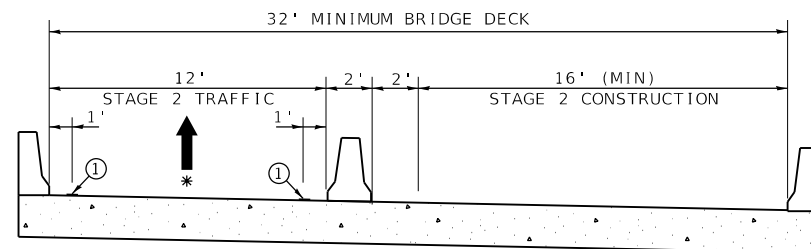
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	40
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



ROADWAY H – STAGE 2

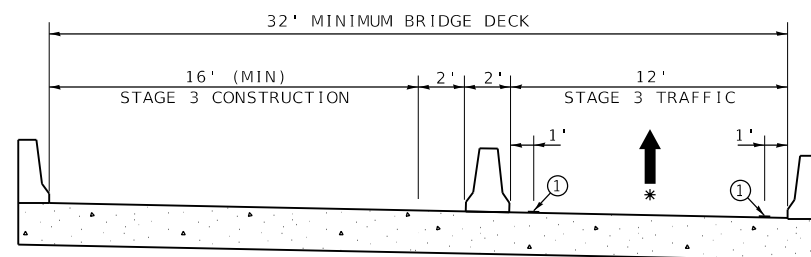
BETWEEN SN 082-0256 - SN 082-0140

- * SEE THE PROPOSED TYPICAL SECTIONS FOR S.E. TRANSITION
- ** PAVED SHOULDER REMOVAL STA. 84+68.12 - STA. 85+04 (STAGE 3)
- *** PAVED SHOULDER REMOVAL STA. 84+68.12 - STA. 85+21 (STAGE 4)



ROADWAY D – STAGE 2

SN 082-0144
PIER D40 - ABUTMENT 46



ROADWAY D – STAGE 3

SN 082-0144
PIER D40 - ABUTMENT D46

SUGGESTED SEQUENCE OF CONSTRUCTION ON BRIDGE DECKS

TRAFFIC CONTROL AND PROTECTION PLAN STAGE 1

1. CLOSE RAMP S TO ALL TRAFFIC. A MAXIMUM 2 WEEK CLOSURE OF RAMP S IS PERMITTED.
2. CLOSE THE MAINSPAN LANES OF I-55N/64E. A MAXIMUM 3 WEEK CLOSURE IS PERMITTED.
3. CONSTRUCT REPAIRS BETWEEN PIER D36 ACROSS RAMP S AND PIER D40 ALONG THE LEFT SIDE OF ROADWAY D (SN 082-0144).
4. CONSTRUCT REPAIRS TO THE JOINTS ACROSS THE MAINSPAN LANES AT PIER ABCD AND PIER BC1 (SN 082-0005).

TRAFFIC CONTROL AND PROTECTION PLAN STAGE 2

1. OPEN RAMP S AND THE MAINSPAN LANES OF I-55N/64E.
2. CLOSE ROADWAY D AT THE POPLAR STREET BRIDGE TO ALL TRAFFIC.
3. CLOSE RAMP P AT ROADWAY F (IL ROUTE 3 NORTH) TO ALL TRAFFIC. THE ROADWAY D AND RAMP P CLOSURES WILL EFFECTIVELY CLOSE RAMP Q AND ROADWAY H.
4. COMPLETE REPAIRS TO THE JOINT AT PIER ABCD (SN 082-0005).
5. BEGIN CONSTRUCTING REPAIRS BETWEEN PIER D1 AND PIER D36 (SN 082-0144), RAMP Q (SN 082-0255), RAMP P (SN 082-0203), AND ROADWAY H (SN 082-0256). PRIORITY SHOULD BE GIVEN TO THE REPAIRS ALONG ROADWAY D BETWEEN PIER D1 AND PIER D11 TO REGAIN ACCESS TO RAMP N. SIMILARLY, PRIORITY SHOULD BE GIVEN TO REPAIRS ALONG RAMP P AND ROADWAY H. A MAXIMUM 3 MONTH CLOSURE OF RAMP N IS PERMITTED; A MAXIMUM 1 MONTH CLOSURE OF RAMP P AND ROADWAY H IS PERMITTED; AND A MAXIMUM 6 MONTH CLOSURE OF ROADWAY D IS PERMITTED.
6. INSTALL OVERHEAD SIGN TRUSS AT PIER D10.
7. CONSTRUCT REPAIRS ALONG THE RIGHT SIDE OF ROADWAY D BETWEEN PIER D36 AND ABUTMENT D46.
8. CONSTRUCT HMA SHOULDERS ALONG ROADWAY H BETWEEN SN 082-0256 AND SN 082-0140.

TRAFFIC CONTROL AND PROTECTION PLAN STAGE 3

1. OPEN RAMP P (SN 082-0203) AND ROADWAY H TO TRAFFIC.
2. CONTINUE CONSTRUCTING REPAIRS ALONG ROADWAY D (SN 082-0144) BETWEEN PIER D11 AND PIER D36 AND RAMP Q (SN 082-0255).
3. INSTALL OVERHEAD SIGN TRUSS AT PIER D25.
4. CONSTRUCT REPAIRS BETWEEN PIER D40 AND ABUTMENT D46 ALONG THE LEFT SIDE OF ROADWAY D (SN 082-0144).
5. CLOSE RAMP T TO ALL TRAFFIC.
6. CONSTRUCT THE EASTERN SIDE OF THE TRENDLEY AVENUE BRIDGE (SN 082-0140).
7. MILL AND OVERLAY WITH BINDER COURSE ALONG THE RIGHT SIDE OF ROADWAY H, SOUTH AND NORTH OF THE TRENDLEY AVENUE BRIDGE (SN 082-0140) AND ALONG RAMP T.

TRAFFIC CONTROL AND PROTECTION PLAN STAGE 4

1. OPEN ROADWAY D (SN 082-0144) BETWEEN PIER D1 AND D11 TO REGAIN ACCESS TO RAMP N. ROADWAY D WILL REMAIN CLOSED EAST OF RAMP N TO ALL TRAFFIC.
2. CONTINUE CONSTRUCTING REPAIRS ALONG ROADWAY D (SN 082-0144) BETWEEN PIER D11 AND PIER D36 AND RAMP Q (SN 082-0203).
3. OPEN RAMP T TO TRAFFIC.
4. CONSTRUCT THE WESTERN SIDE OF THE TRENDLEY AVENUE BRIDGE (SN 082-0140).
5. MILL AND OVERLAY WITH BINDER COURSE ALONG THE LEFT SIDE OF ROADWAY H, SOUTH AND NORTH OF THE TRENDLEY AVENUE BRIDGE (SN 082-0140).
6. PLACE THE SURFACE COURSE ALONG ROADWAY H, SOUTH AND NORTH OF THE TRENDLEY AVENUE BRIDGE (SN 082-0140) AND ALONG RAMP T.

MODEL: D:\efc\... FILE NAME: 21130522.P58, W0 22\DCM\Design\Final\Bridges\chec0141.D076945-ctc-M05_03.dgn

① PAVEMENT MARKING TAPE, TYPE III 6"
* DIRECTION OF TRAFFIC FLOW

EFK Moen
Civil Engineering Design








USER NAME = jdardeen	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

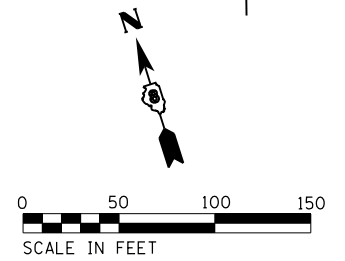
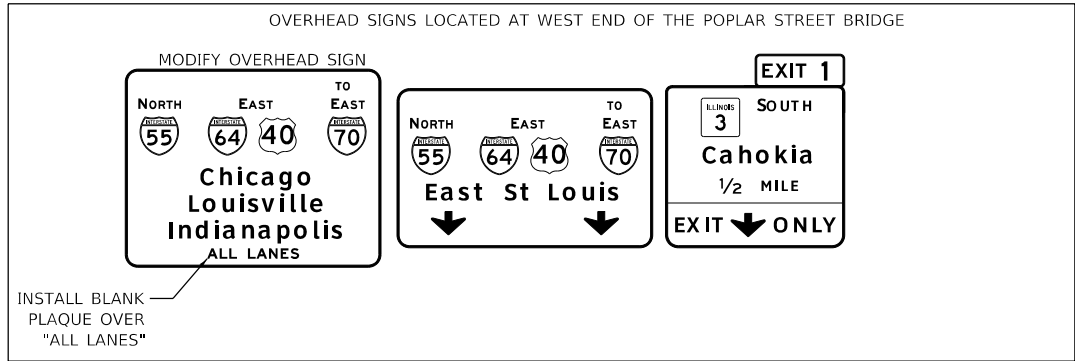
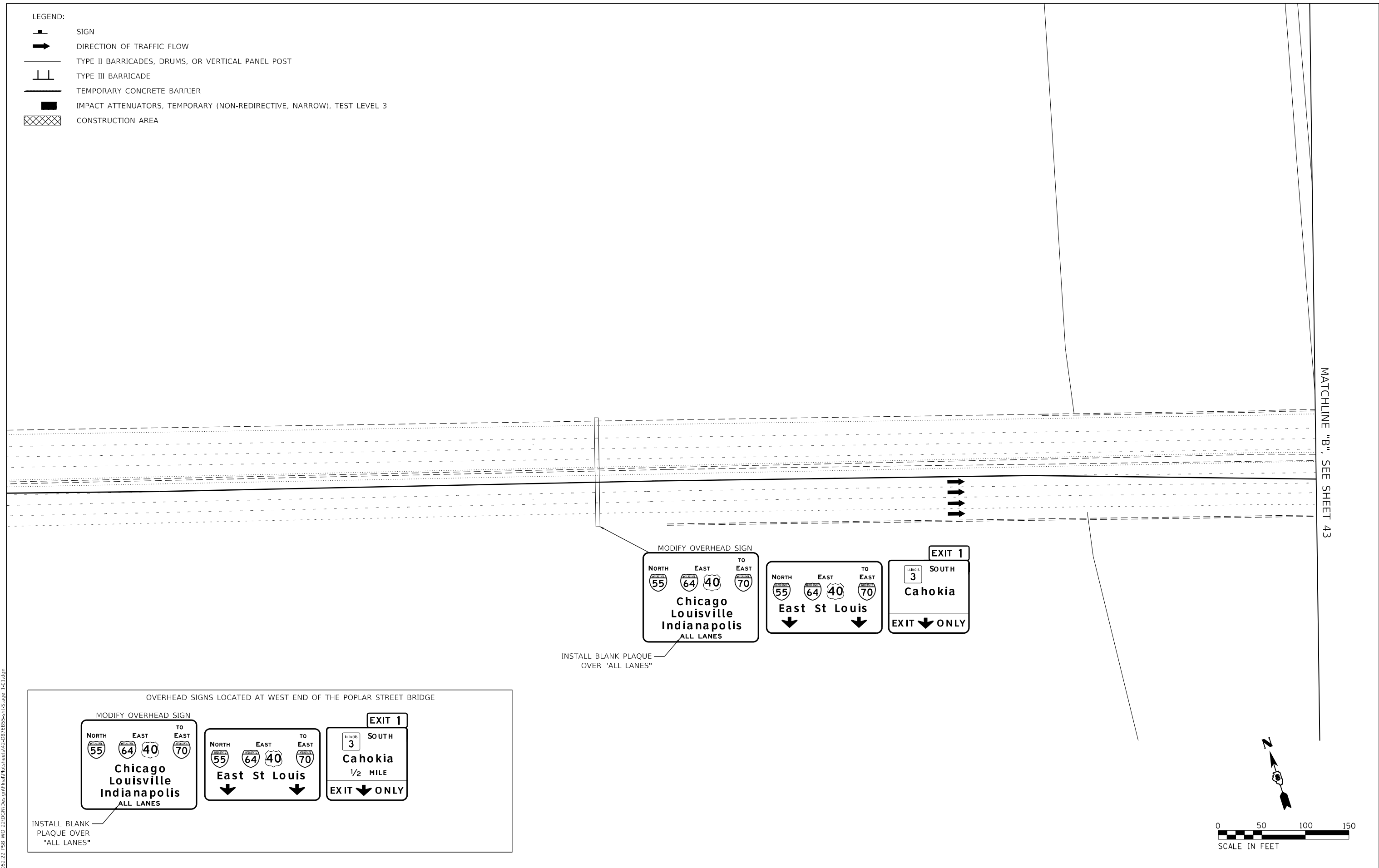
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION
TYPICAL SECTIONS & SUGGESTED SEQUENCE OF
CONSTRUCTION ON BRIDGE DECKS

SCALE: N/A SHEET 2 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	41
			CONTRACT NO. 76B55	
		ILLINOIS FED. AID PROJECT		

- LEGEND:
-  SIGN
 -  DIRECTION OF TRAFFIC FLOW
 -  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 -  TYPE III BARRICADE
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA



MODEL: D:\efk\1
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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

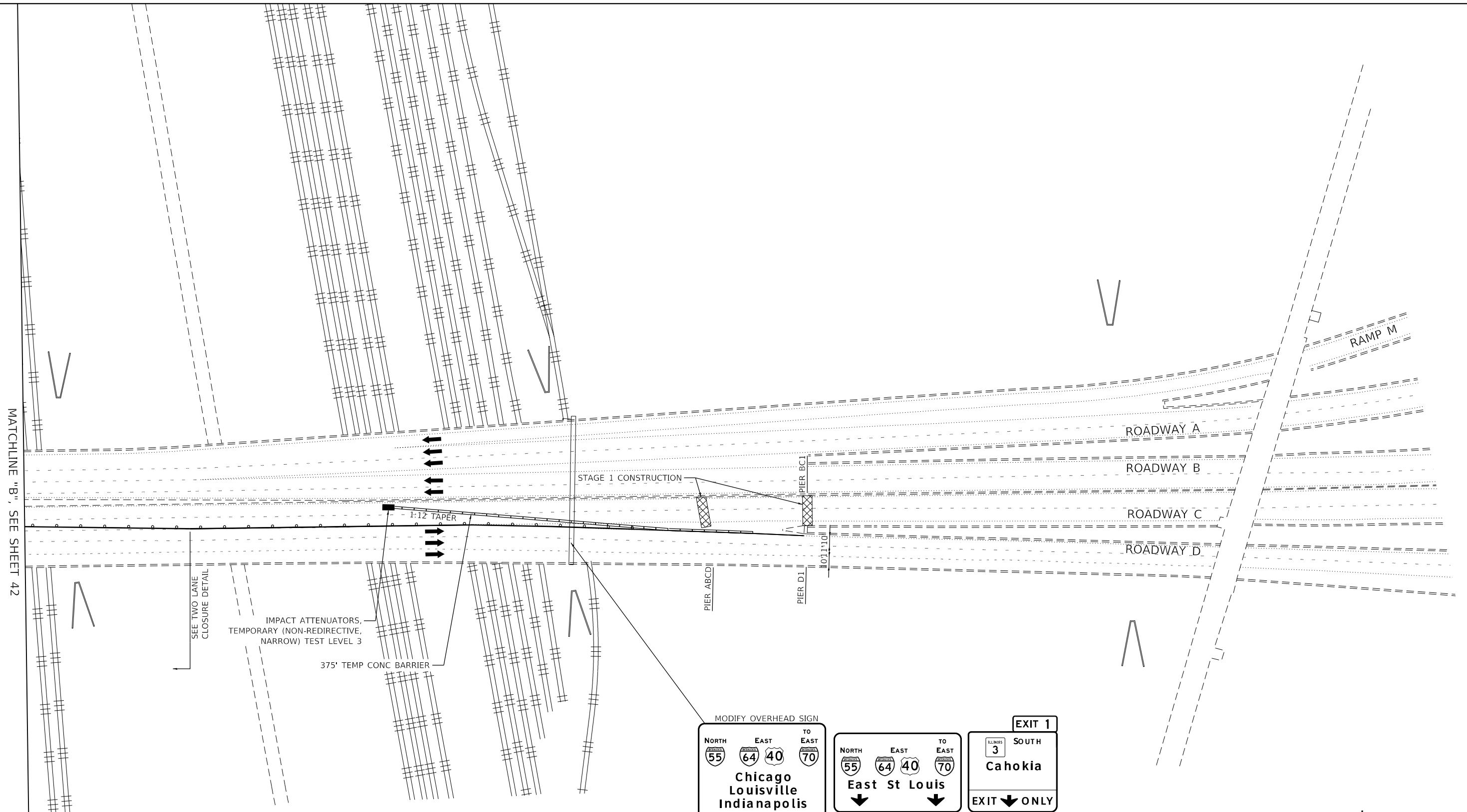
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1**

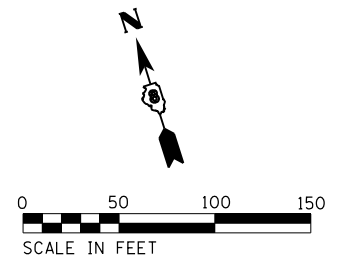
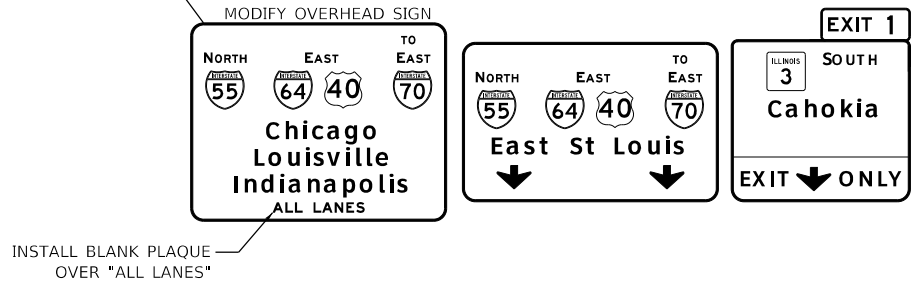
SCALE: 1"=50' SHEET 3 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	42
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

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- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
 Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1

SCALE: 1"=50' SHEET 4 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	43
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

SOUTH WEST

St Louis

EXIT 1
SOUTH

Cahokia
 1/8 MILE

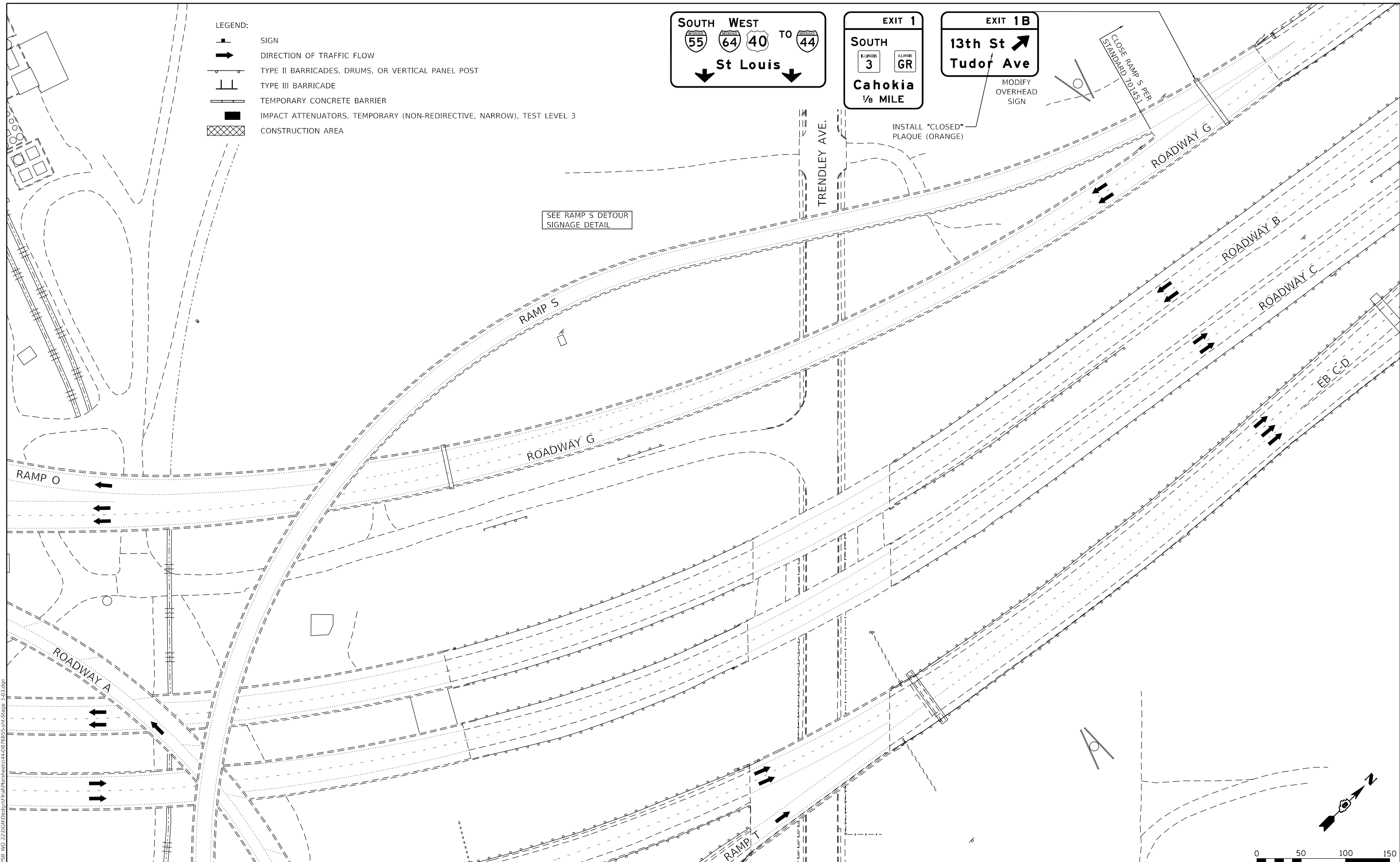
EXIT 1B
13th St
Tudor Ave
 MODIFY OVERHEAD SIGN

CLOSE RAMP S PER STANDARD 70.1451

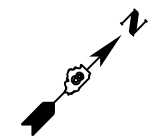
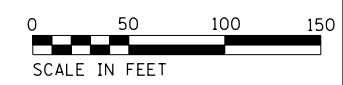
INSTALL "CLOSED" PLAQUE (ORANGE)

SEE RAMP S DETOUR SIGNAGE DETAIL

TRENDLEY AVE.



MATCHLINE "C", SEE SHEET 45



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EFK Moen
 Civil Engineering Design

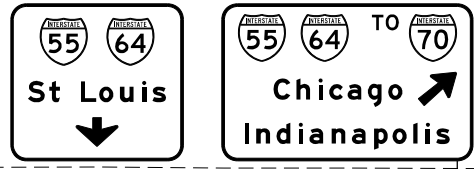
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	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

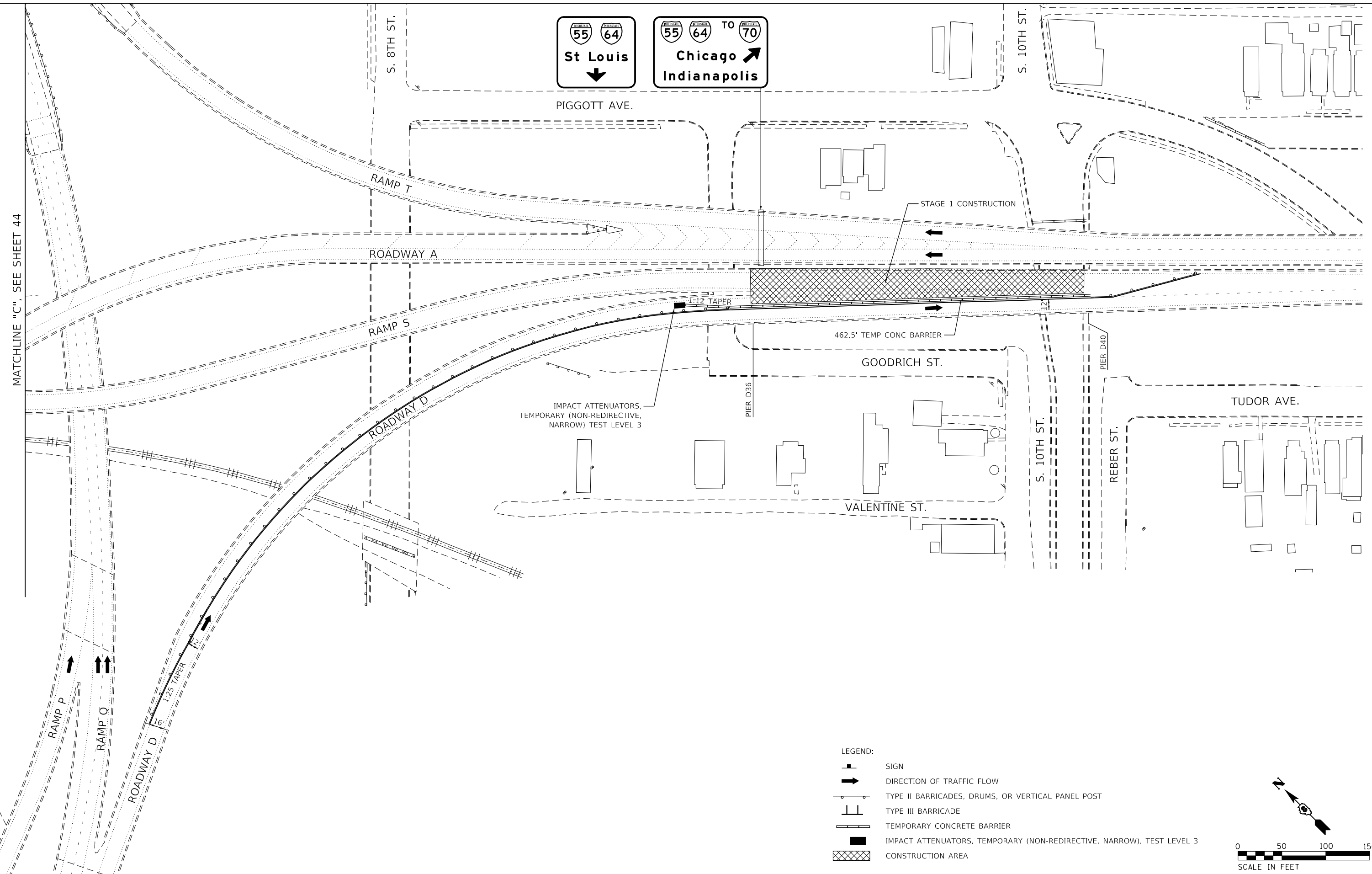
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1

SCALE: 1"=50' SHEET 5 OF 38 SHEETS STA. TO STA.

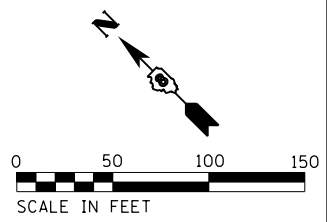
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	44
			CONTRACT NO. 76B55	
ILLINOIS FED. AID PROJECT				



MATCHLINE "C", SEE SHEET 44



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



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EFK Moen
Civil Engineering Design

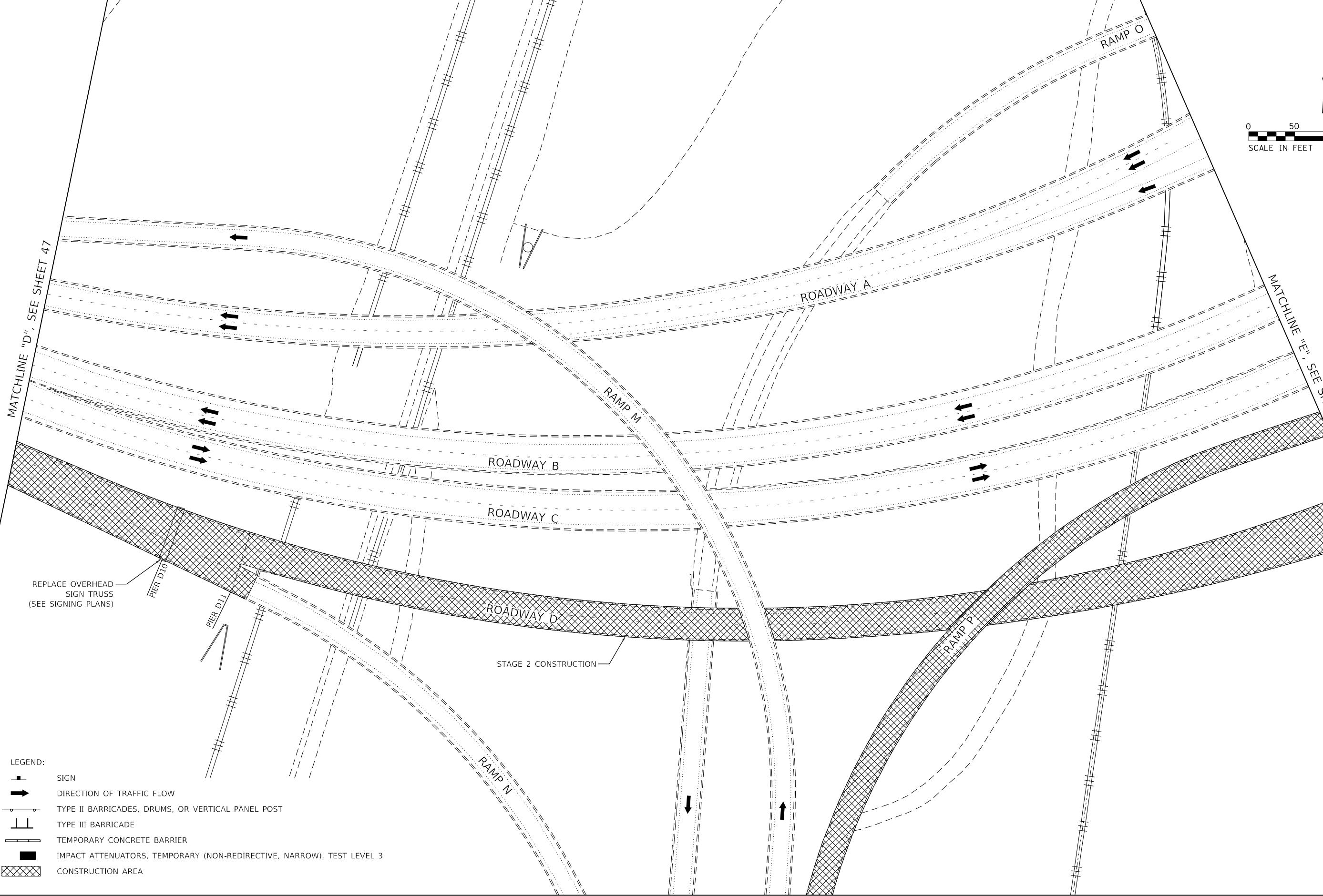
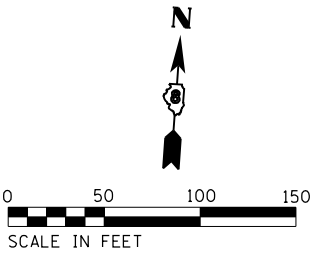
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PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1**

SCALE: 1"=50' SHEET 6 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



REPLACE OVERHEAD SIGN TRUSS (SEE SIGNING PLANS)

PIER D10

PIER D11

STAGE 2 CONSTRUCTION

- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

MATCHLINE "G", SEE SHEET 51

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EFK Moen
Civil Engineering Design

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	DRAWN - JRD	REVISED -
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PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

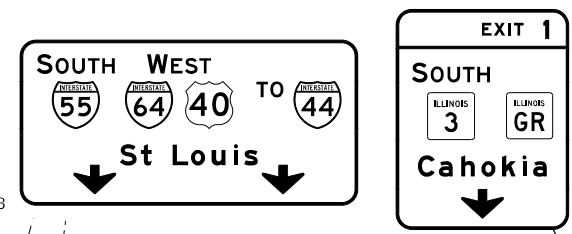
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2

SCALE: 1"=50' SHEET 9 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

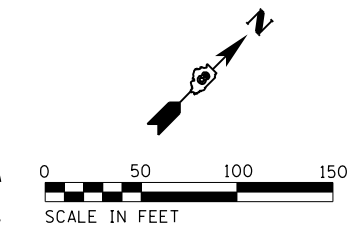
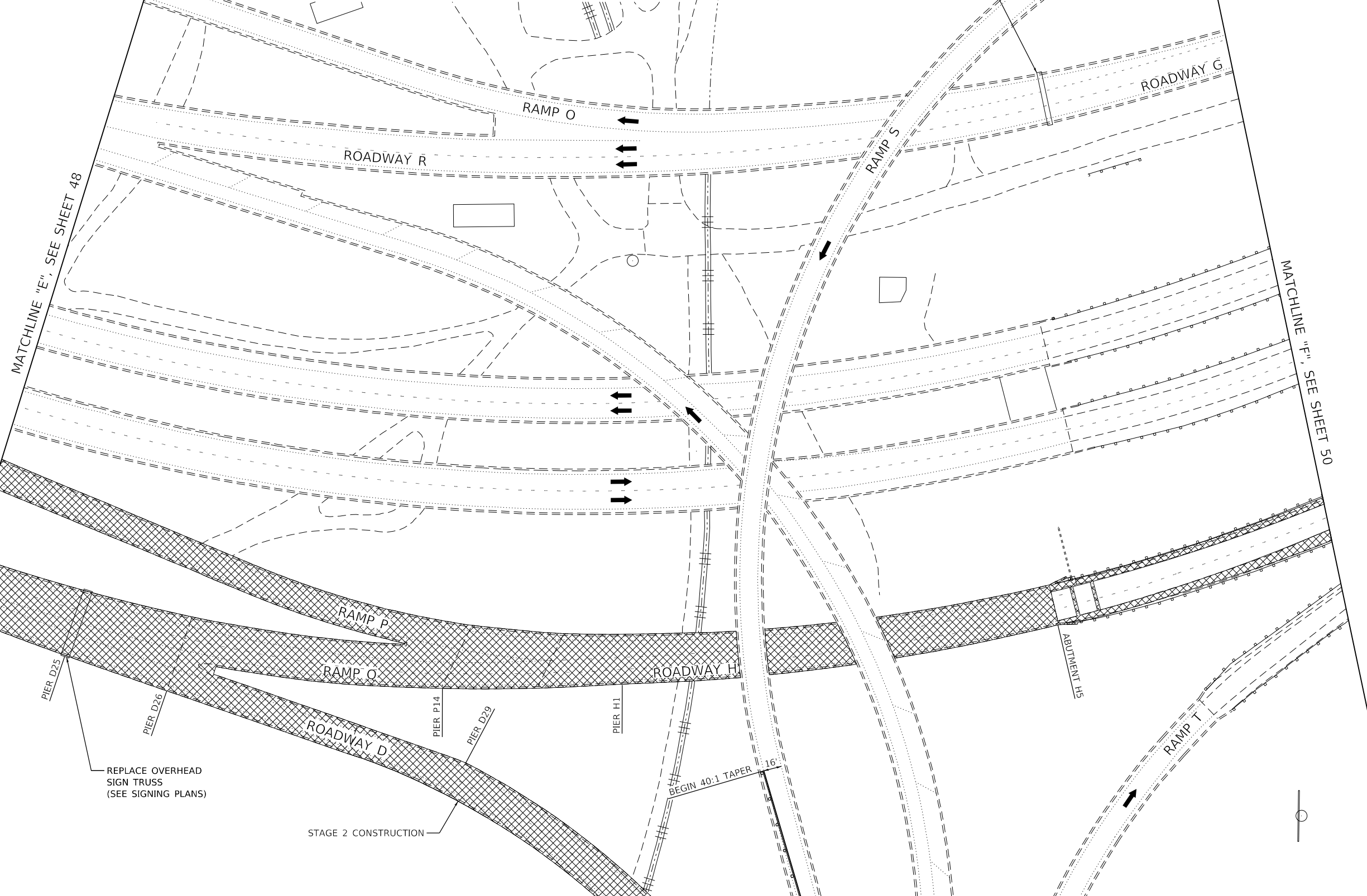
- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



MATCHLINE "E", SEE SHEET 48

MATCHLINE "F", SEE SHEET 50

MATCHLINE "H", SEE SHEET 52



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EFK Moen
Civil Engineering Design

USER NAME = zWaters
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 7/20/2020

DESIGNED - JRD
 DRAWN - JRD
 CHECKED - SLD
 DATE - 07/16/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

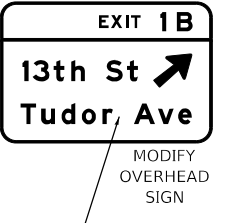
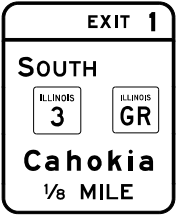
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 2**

SCALE: 1"=50' SHEET 10 OF 38 SHEETS STA. TO STA.

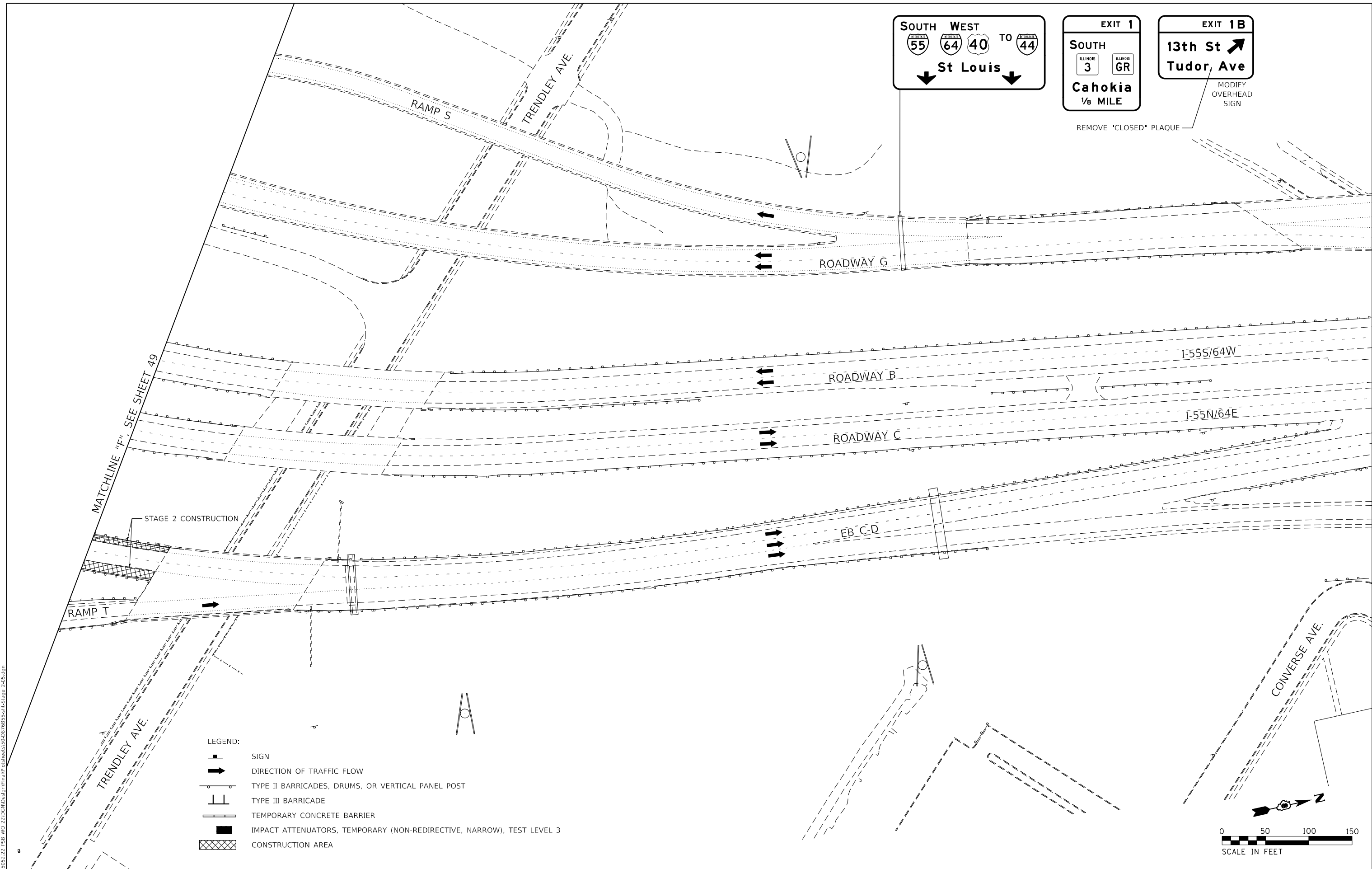
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

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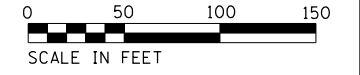


REMOVE "CLOSED" PLAQUE

MODIFY OVERHEAD SIGN



- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
 Civil Engineering Design

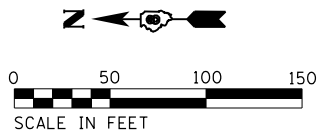
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	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

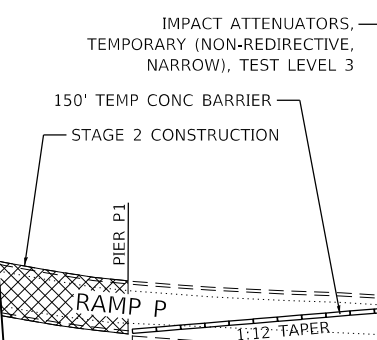
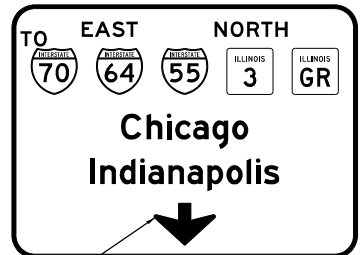
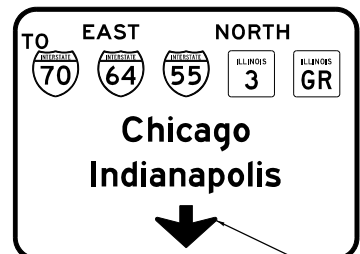
TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 2

SCALE: 1"=50' SHEET 11 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	50
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



SEE RAMP M & RAMP P
DETOUR SIGNAGE DETAIL

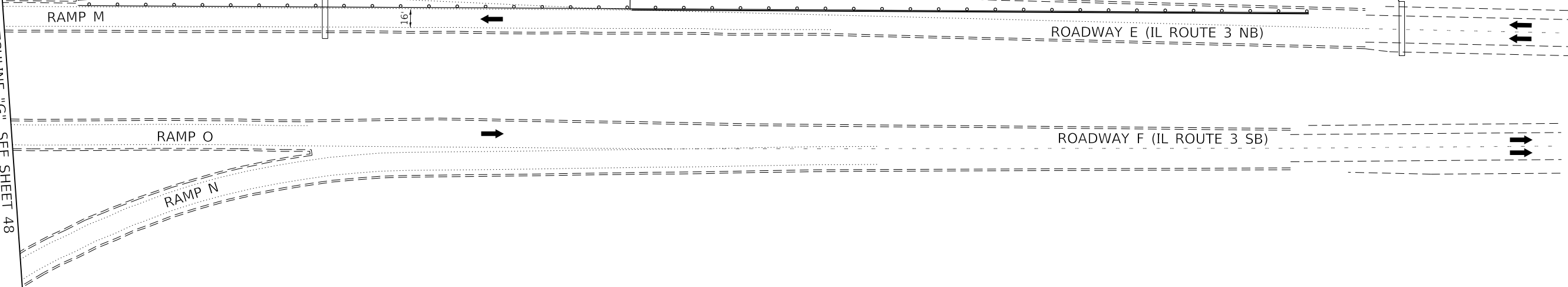


BEGIN 50:1 TAPER
SEE STANDARD 701422 FOR RIGHT LANE CLOSURE

COVER ARROW AND INSTALL "CLOSED" PLAQUE (ORANGE)

MODIFY OVERHEAD SIGN
COVER ARROW AND INSTALL "CLOSED" PLAQUE (ORANGE)

MATCHLINE "G", SEE SHEET 48



- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

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EFK Moen
Civil Engineering Design

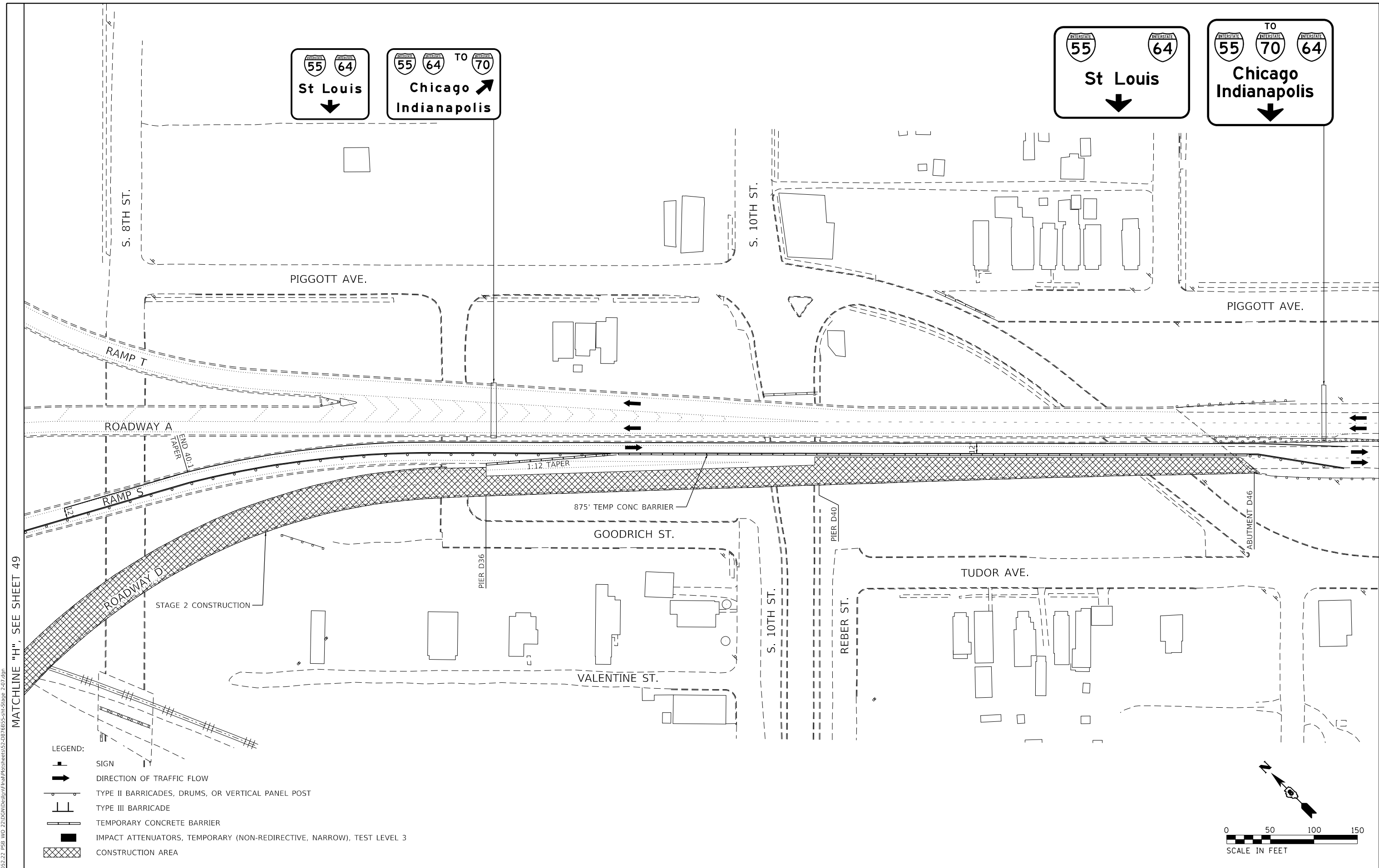
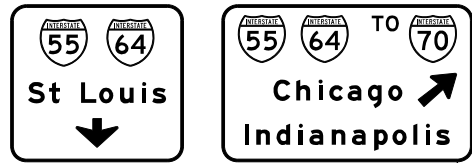
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

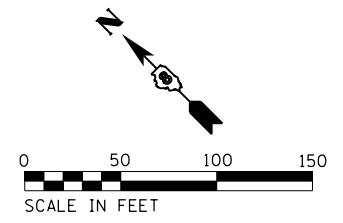
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2

SCALE: 1"=50' SHEET 12 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



MATCHLINE "H", SEE SHEET 49

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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

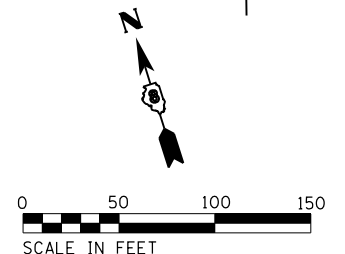
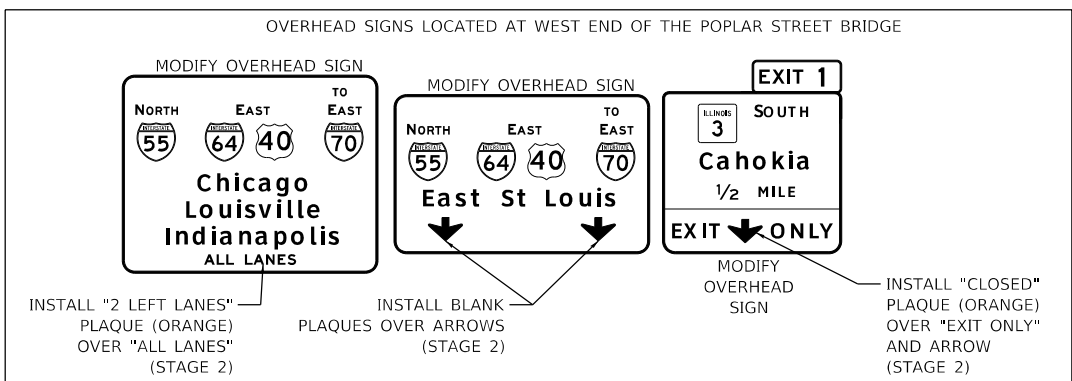
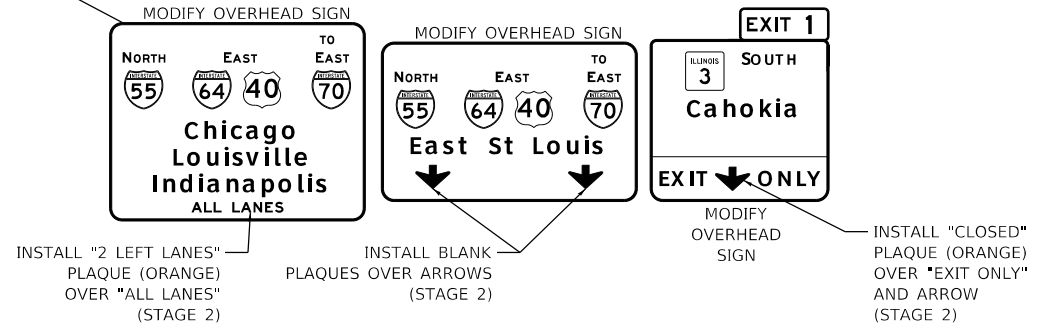
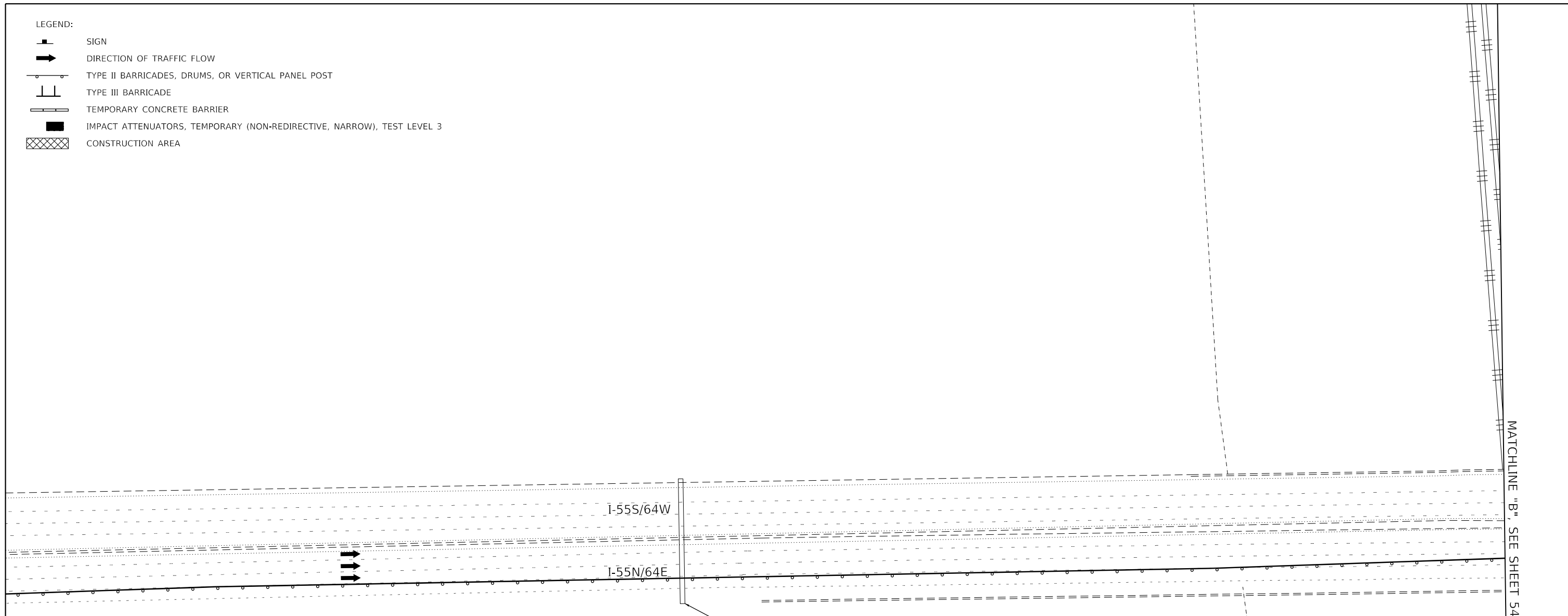
**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2**

SCALE: 1"=50' SHEET 13 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV8-2R-1-I-1	ST. CLAIR	361	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

LEGEND:

-  SIGN
-  DIRECTION OF TRAFFIC FLOW
-  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
-  TYPE III BARRICADE
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
-  CONSTRUCTION AREA



MATCHLINE "B", SEE SHEET 54

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EFK Moen
Civil Engineering Design

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PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

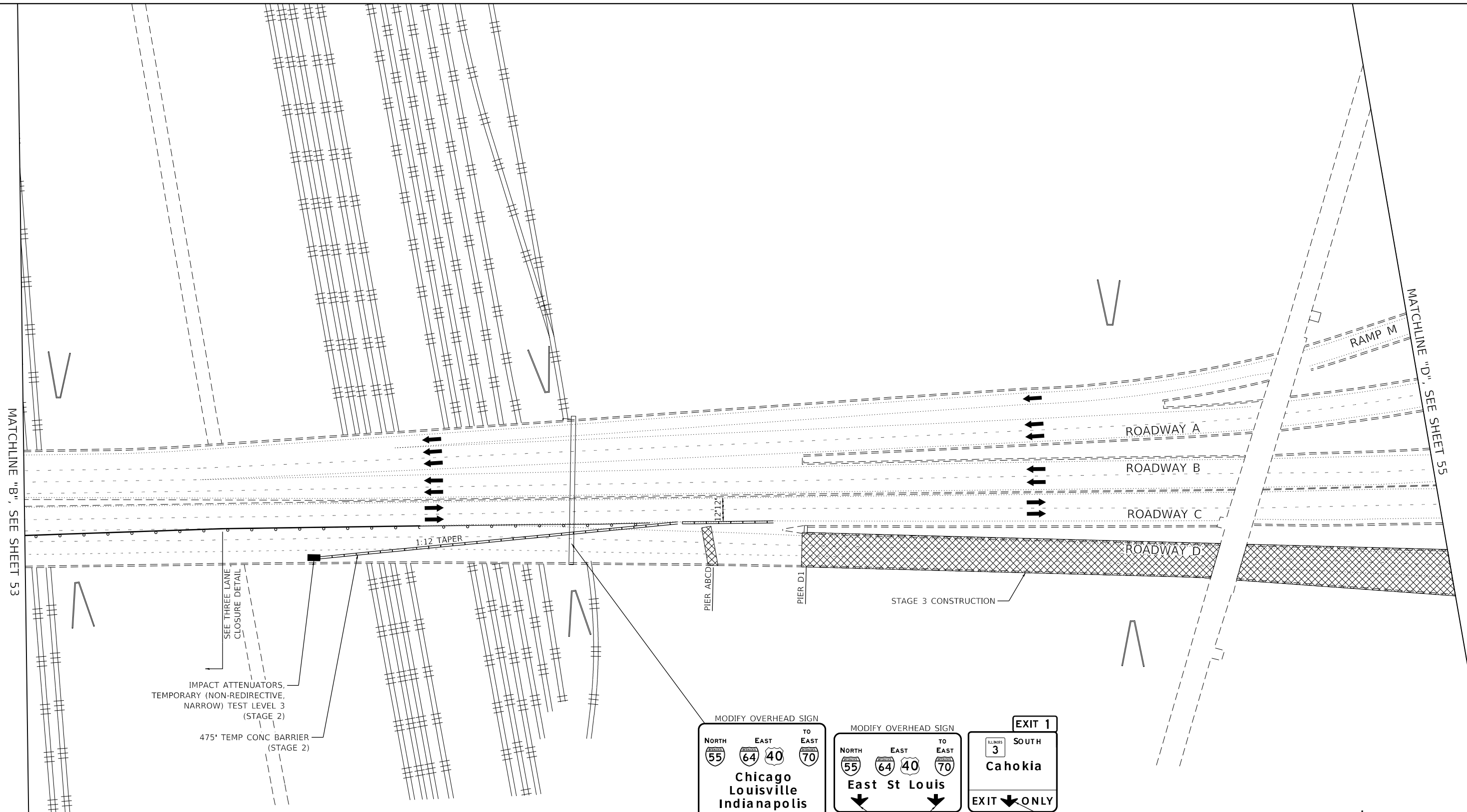
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3**

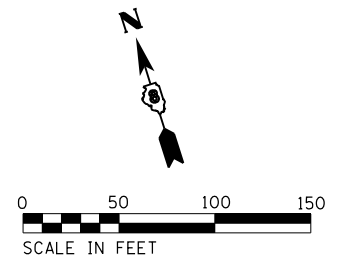
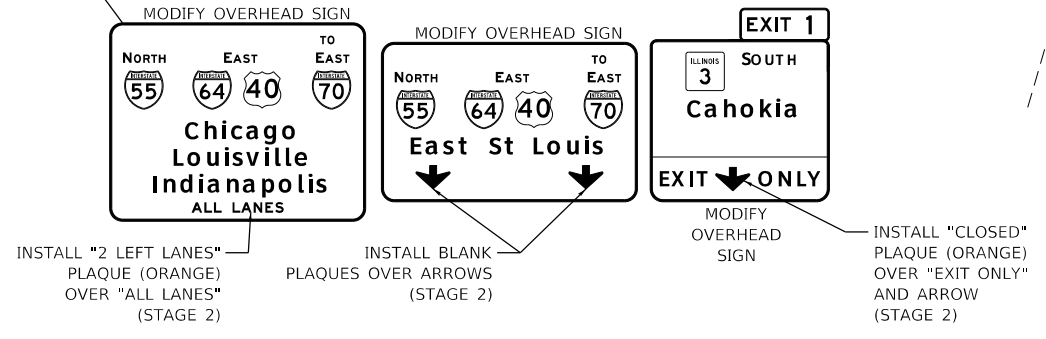
SCALE: 1"=50' SHEET 14 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	53
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MODEL: D:\efk\...
 FILE NAME: 20130522_22_P58_WO 2210CHUDesign\final\trchec0154-0876B55-pln-Stage 3-02.dwg



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
 Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

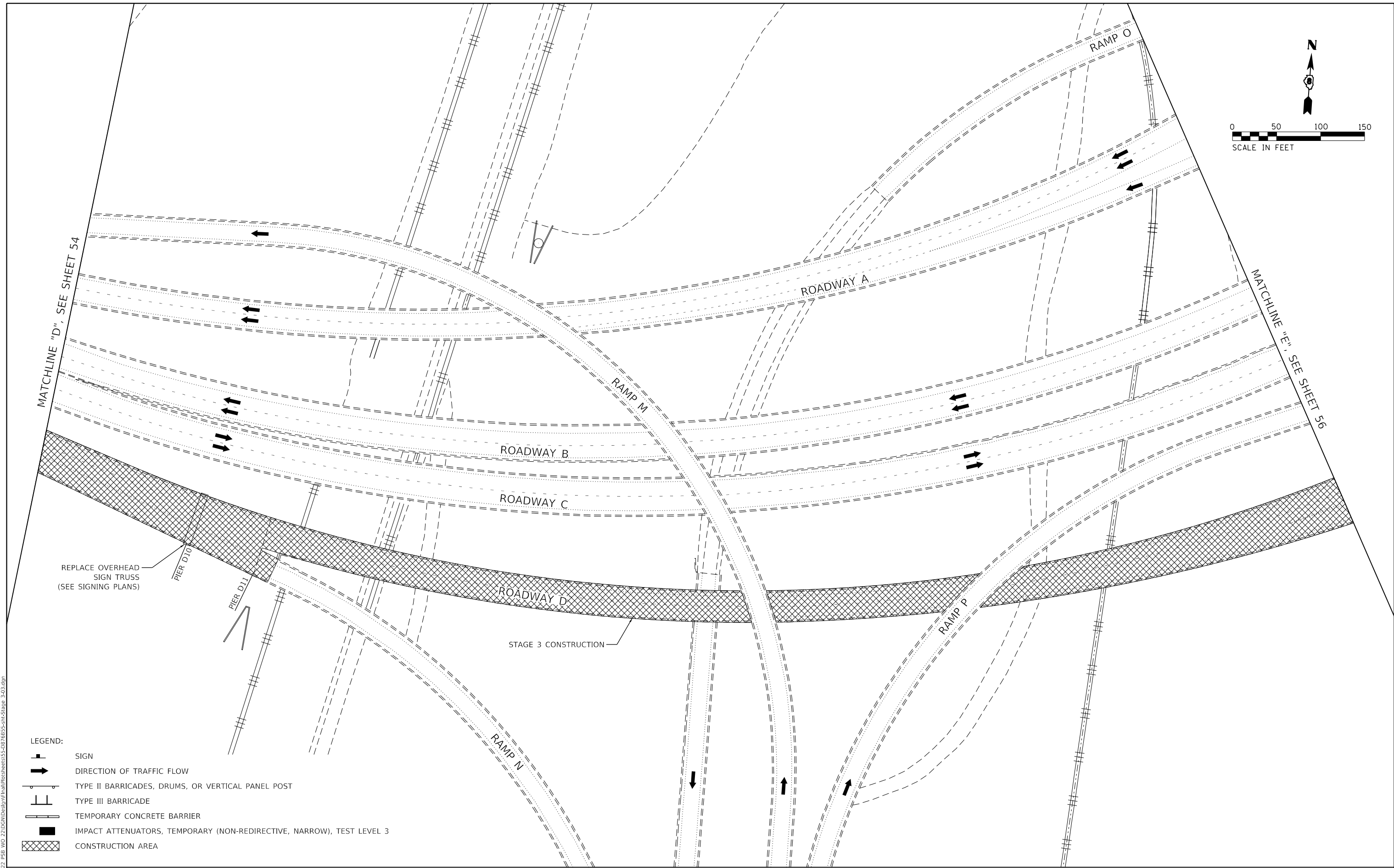
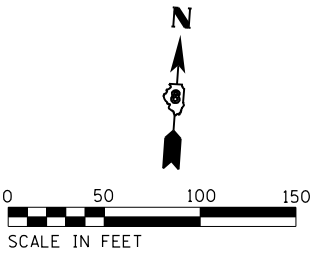
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3

SCALE: 1"=50' SHEET 15 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	54
CONTRACT NO. 76B55				

ILLINOIS FED. AID PROJECT



REPLACE OVERHEAD SIGN TRUSS (SEE SIGNING PLANS)

PIER D10

PIER D11

STAGE 3 CONSTRUCTION

LEGEND:

- SIGN
- DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- CONSTRUCTION AREA

MATCHLINE "G", SEE SHEET 58

MODEL: D:\efk\... FILE NAME: 211305222_P58_W0_2210\Drawings\Traffic\76B55-rt-Stage_3_03.dwg

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3

SCALE: 1"=50' SHEET 16 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	55
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 76B55

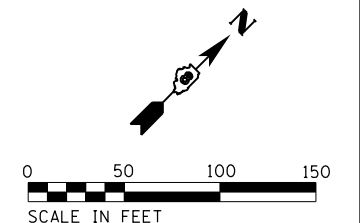
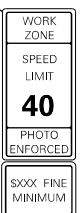
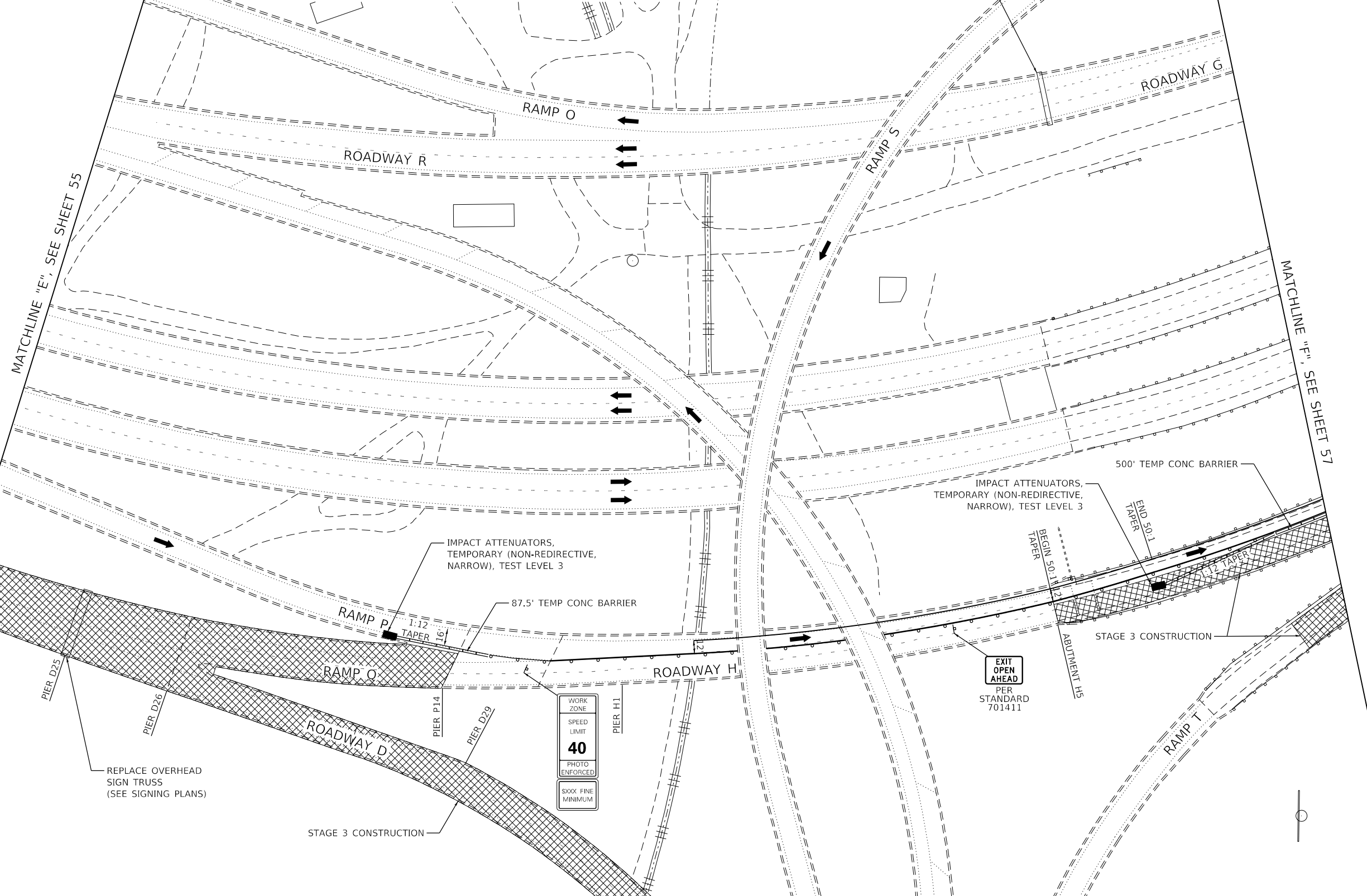
- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



MATCHLINE "E", SEE SHEET 55

MATCHLINE "F", SEE SHEET 57

MATCHLINE "H", SEE SHEET 59



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EFK Moen
Civil Engineering Design

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PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3

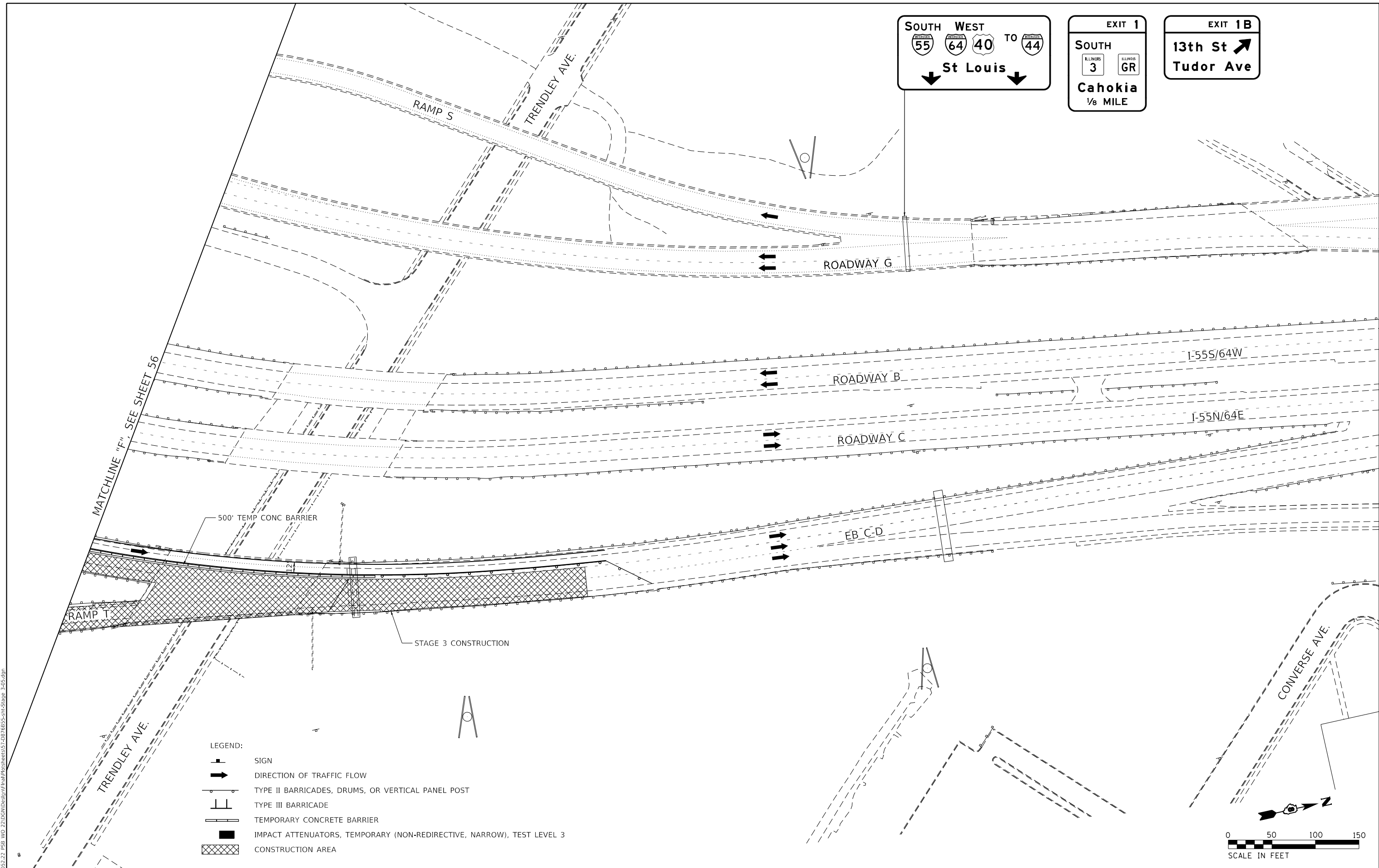
SCALE: 1"=50' SHEET 17 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	56
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

SOUTH WEST
 I-55 I-64 I-40 TO I-44
St Louis

EXIT 1
 SOUTH
 ILLINOIS 3 ILLINOIS GR
Cahokia
 1/8 MILE

EXIT 1B
13th St ↗
Tudor Ave



MATCHLINE "F", SEE SHEET 56

- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

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 DATE: 7/20/2020

EFK Moen
 Civil Engineering Design

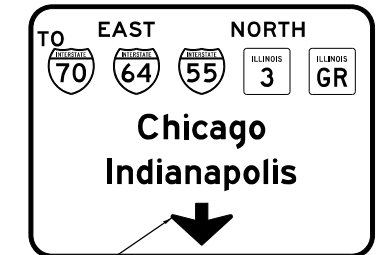
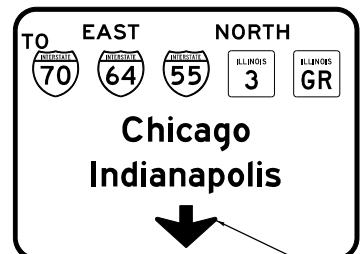
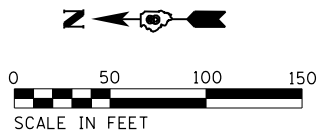
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PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 3**

SCALE: 1"=50' SHEET 18 OF 38 SHEETS STA. TO STA.

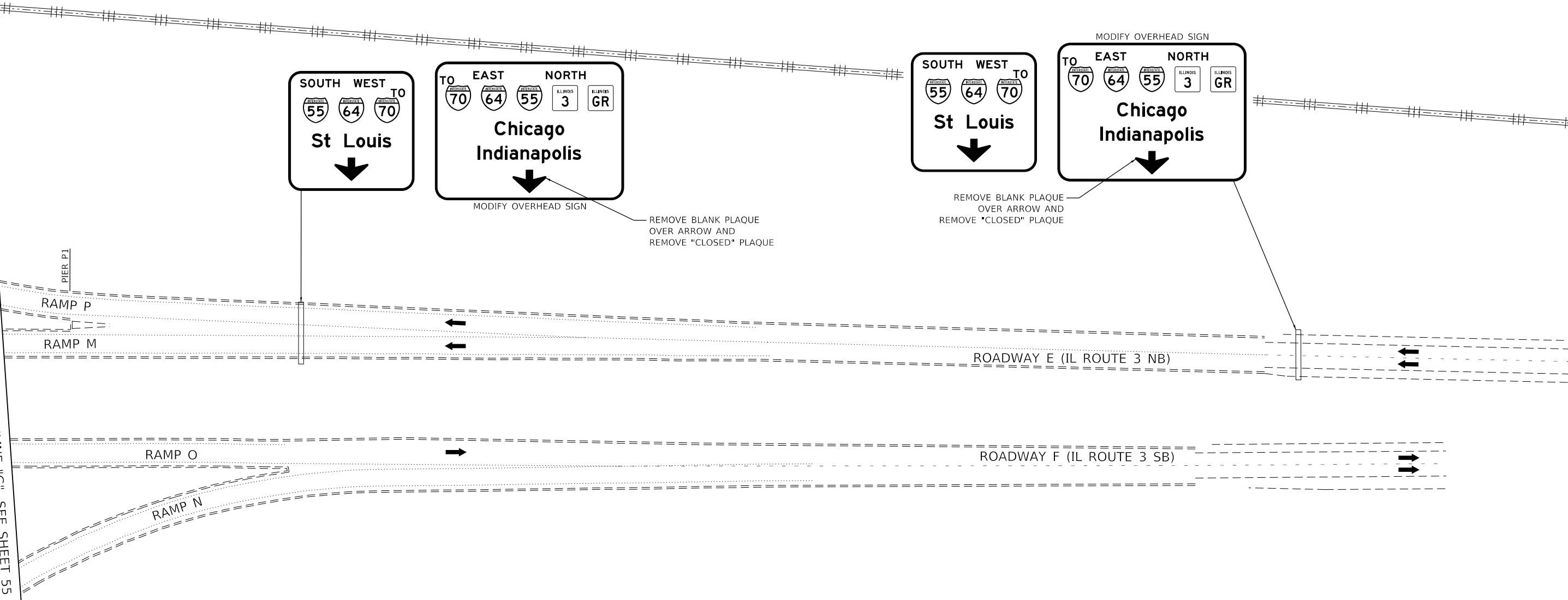
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	57
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



MODIFY OVERHEAD SIGN
 REMOVE BLANK PLAQUE OVER ARROW AND REMOVE "CLOSED" PLAQUE

REMOVE BLANK PLAQUE OVER ARROW AND REMOVE "CLOSED" PLAQUE

MODIFY OVERHEAD SIGN



- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

MODEL: D:\efk\...
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EFK Moen
 Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

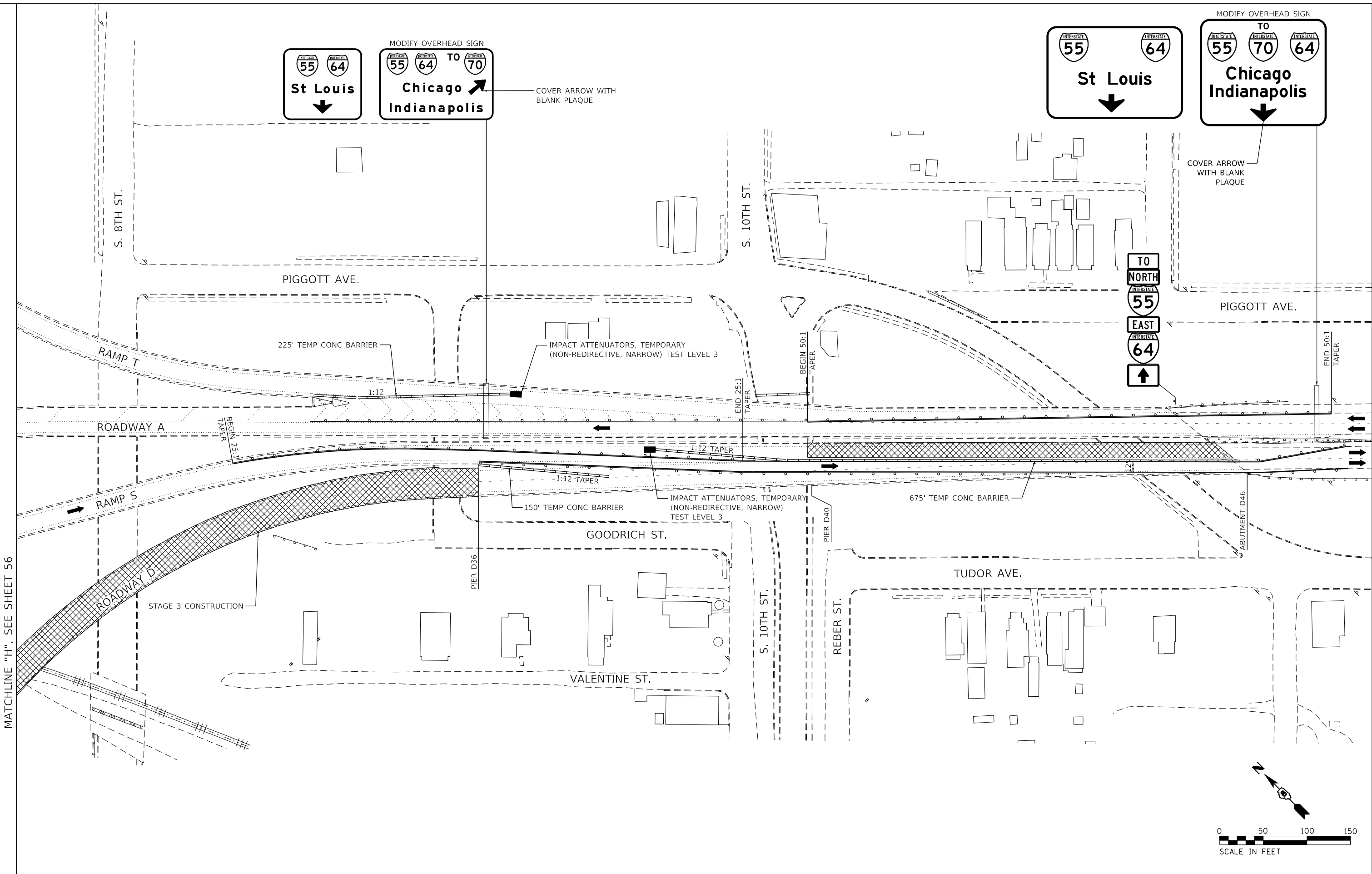
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3

SCALE: 1"=50' SHEET 19 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	58
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

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MATCHLINE "H", SEE SHEET 56



EFK Moen
 Civil Engineering Design








USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

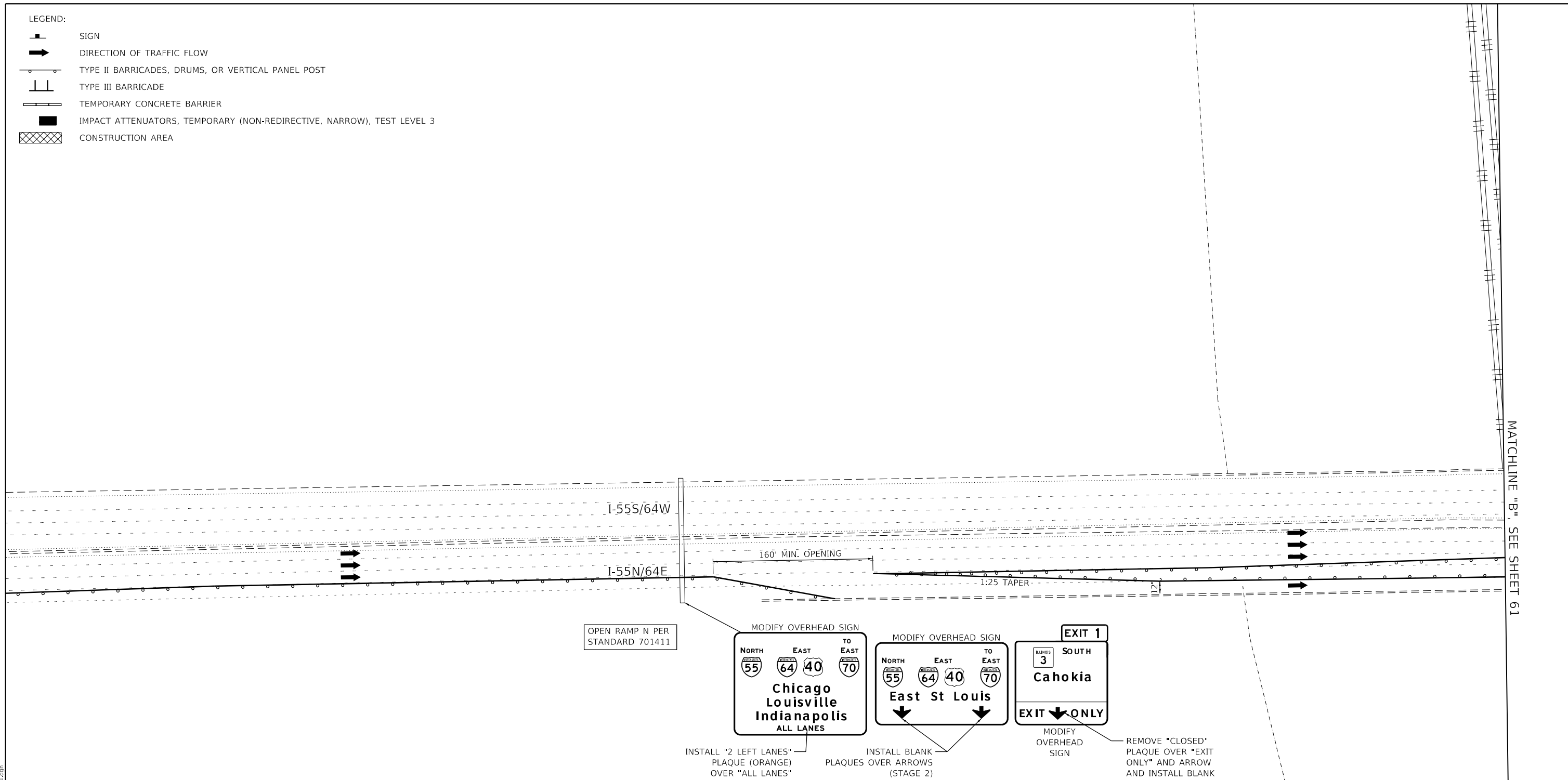
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 3**

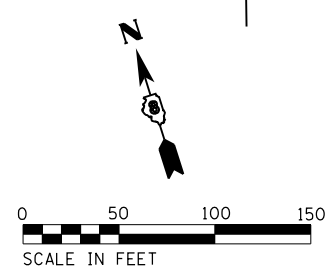
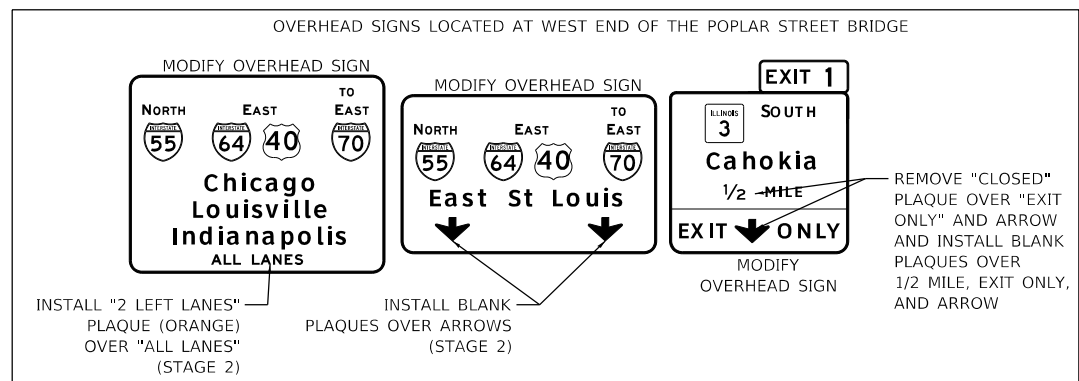
SCALE: 1"=50' SHEET 20 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	59
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

- LEGEND:
-  SIGN
 -  DIRECTION OF TRAFFIC FLOW
 -  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 -  TYPE III BARRICADE
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA



MATCHLINE "B", SEE SHEET 61



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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

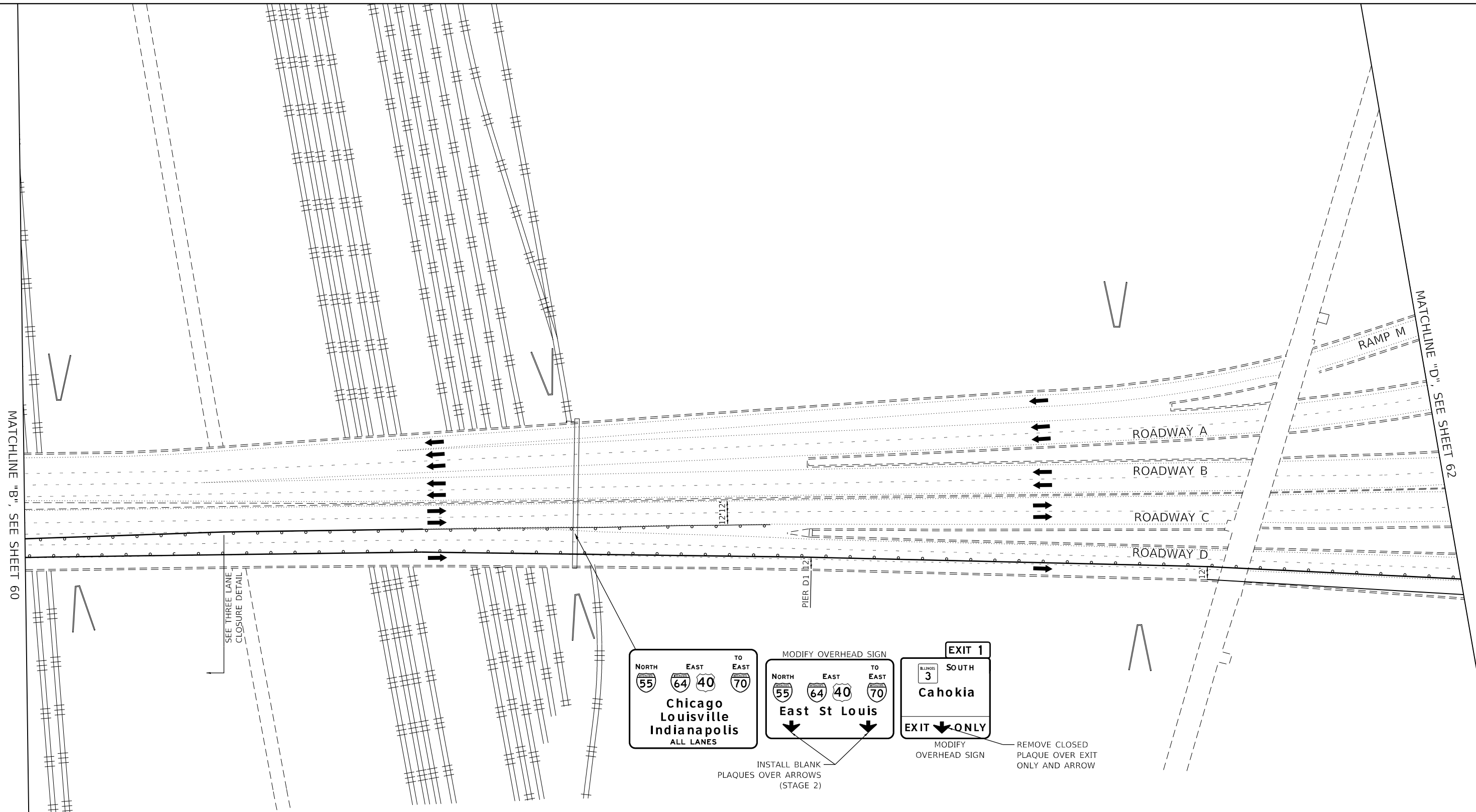
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4

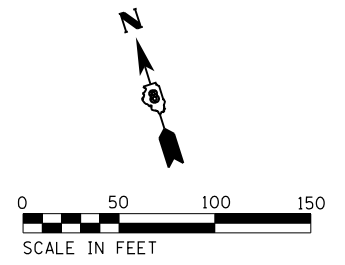
SCALE: 1"=50' SHEET 21 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	60
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MODEL: D:\efk\...
 FILE NAME: 2113052.22_P59_WO 2210CHUDesign\Final\TrafficControl\61-0876B55-rlt-Stage 4-02.dwg



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
 Civil Engineering Design

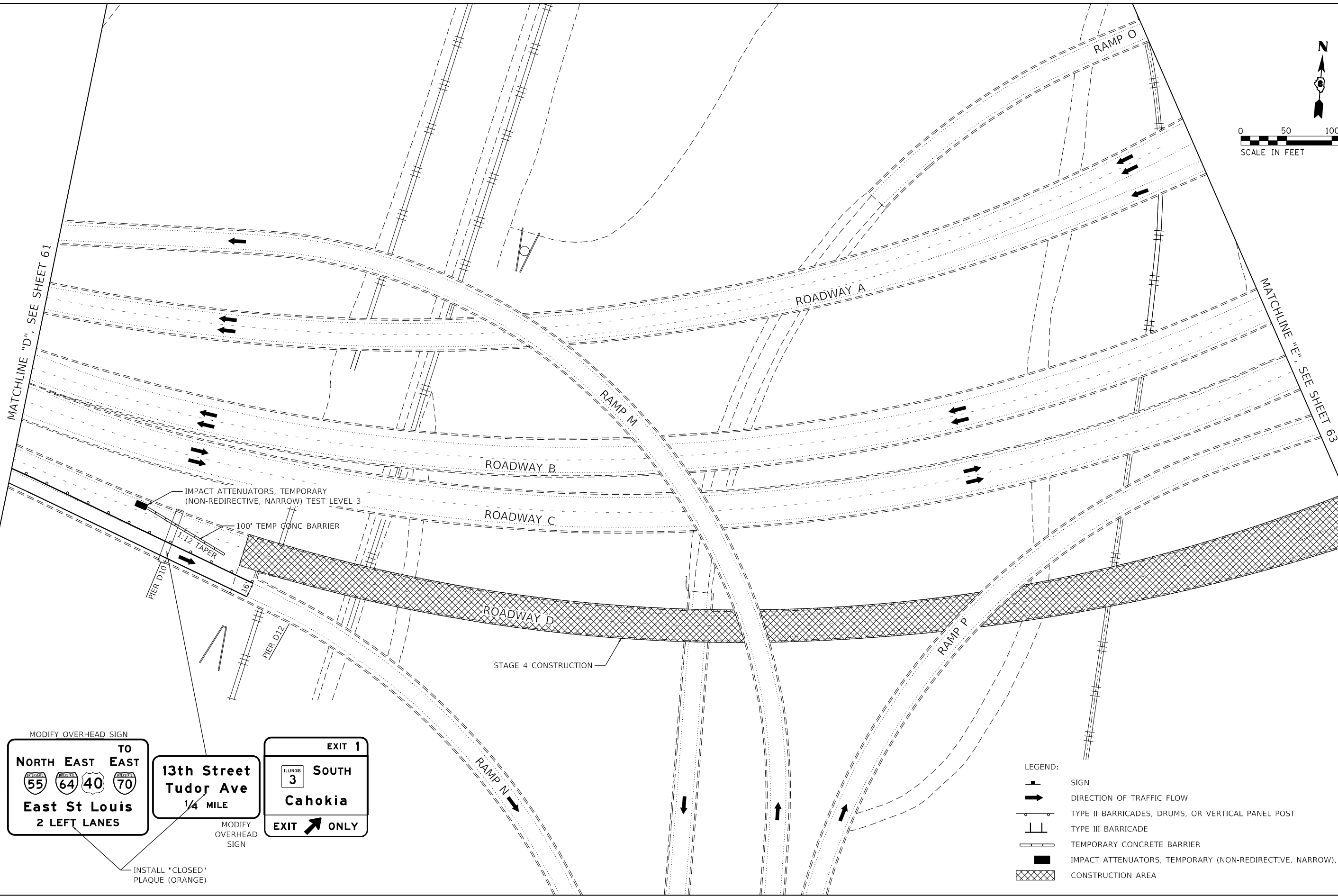
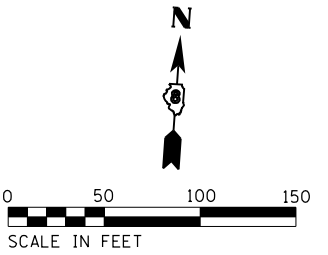
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	DRAWN - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4

SCALE: 1"=50' SHEET 22 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	61
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



MODIFY OVERHEAD SIGN

TO
NORTH EAST EAST
55 64 40 70
East St Louis
2 LEFT LANES

INSTALL "CLOSED" PLAQUE (ORANGE)

13th Street
Tudor Ave
1/4 MILE

MODIFY OVERHEAD SIGN

EXIT 1
ILLINOIS 3 SOUTH
Cahokia
EXIT ONLY

- LEGEND:
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

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MATCHLINE "G", SEE SHEET 65

EFK Moen
Civil Engineering Design








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PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

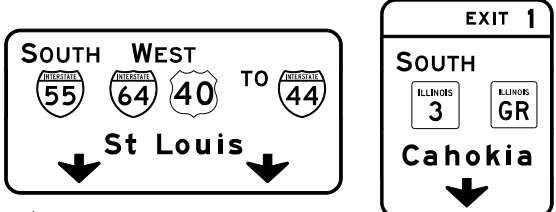
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4

SCALE: 1"=50' SHEET 23 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	62
			CONTRACT NO. 76B55	
		ILLINOIS FED. AID PROJECT		

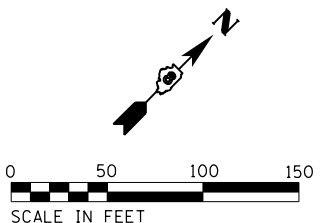
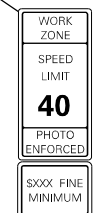
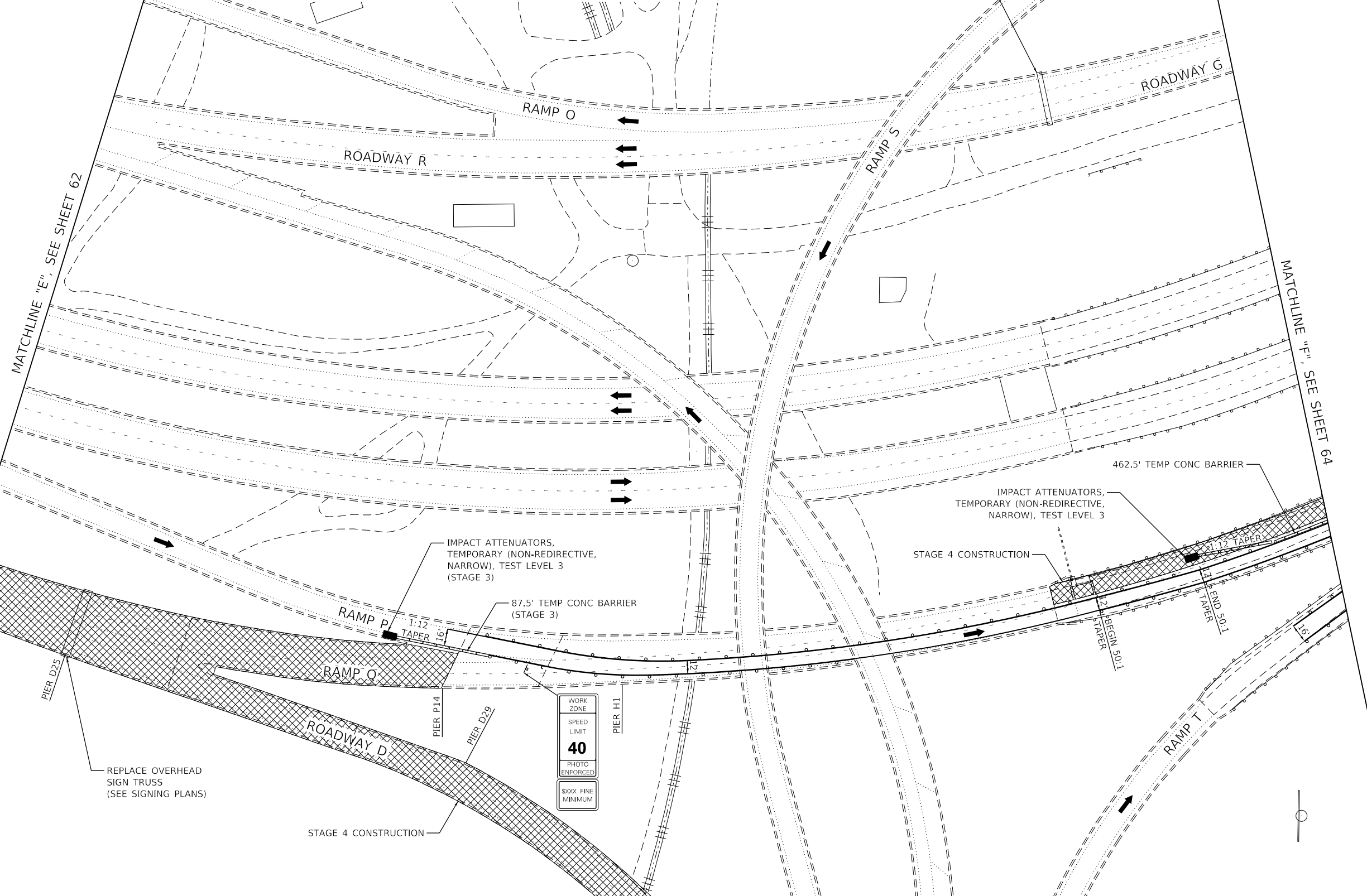
- LEGEND:
-  SIGN
 -  DIRECTION OF TRAFFIC FLOW
 -  TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 -  TYPE III BARRICADE
 -  TEMPORARY CONCRETE BARRIER
 -  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA



MATCHLINE "E", SEE SHEET 62

MATCHLINE "F", SEE SHEET 64

MATCHLINE "H", SEE SHEET 66



MODEL: D:\efk\...
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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4

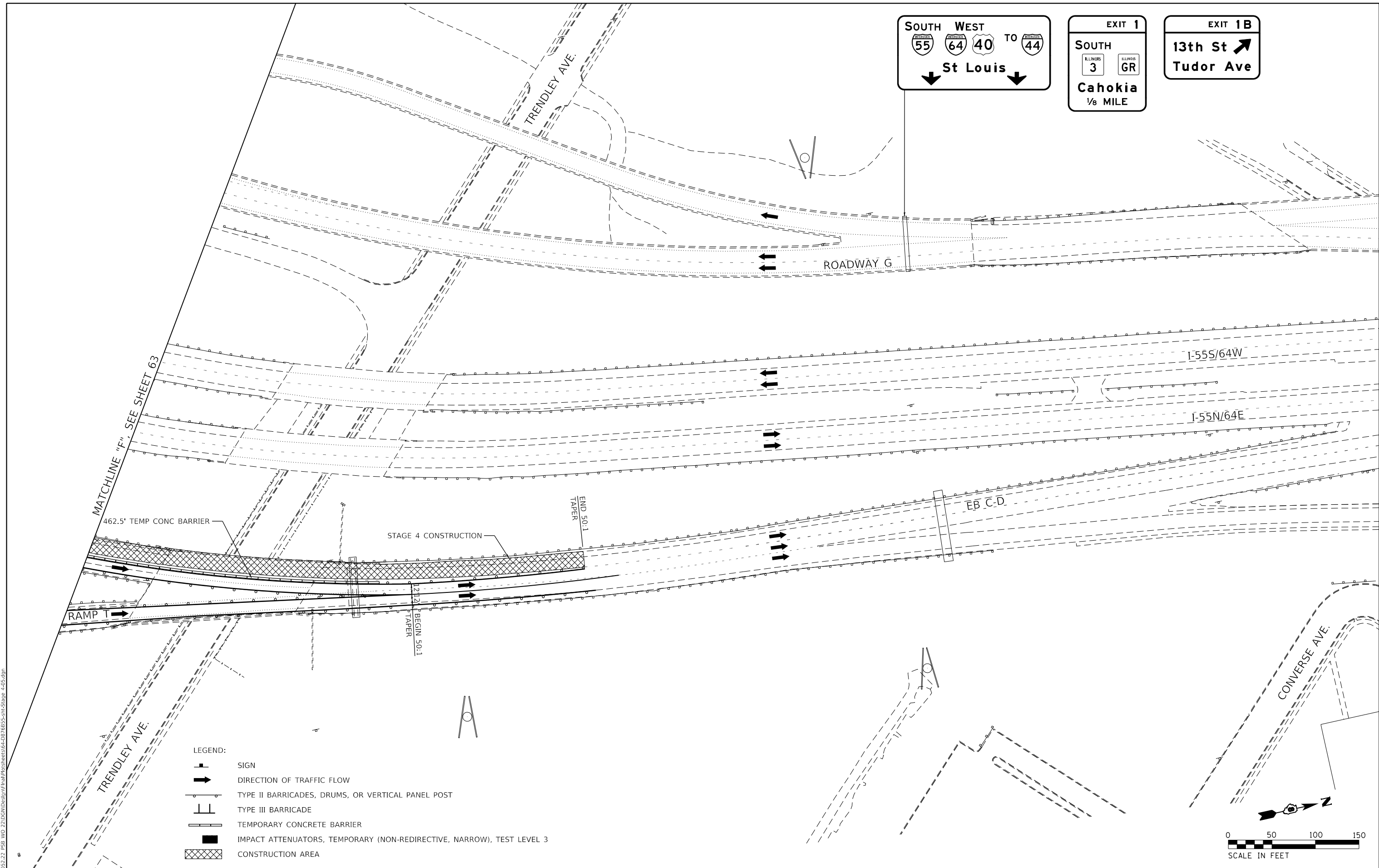
SCALE: 1"=50' SHEET 24 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	63
			CONTRACT NO. 76B55	
ILLINOIS FED. AID PROJECT				

SOUTH WEST
ILLINOIS **55** ILLINOIS **64** ILLINOIS **40** TO ILLINOIS **44**
St Louis

EXIT 1
SOUTH
ILLINOIS **3** ILLINOIS **GR**
Cahokia
 1/8 MILE

EXIT 1B
13th St ↗
Tudor Ave



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

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EFK Moen
 Civil Engineering Design

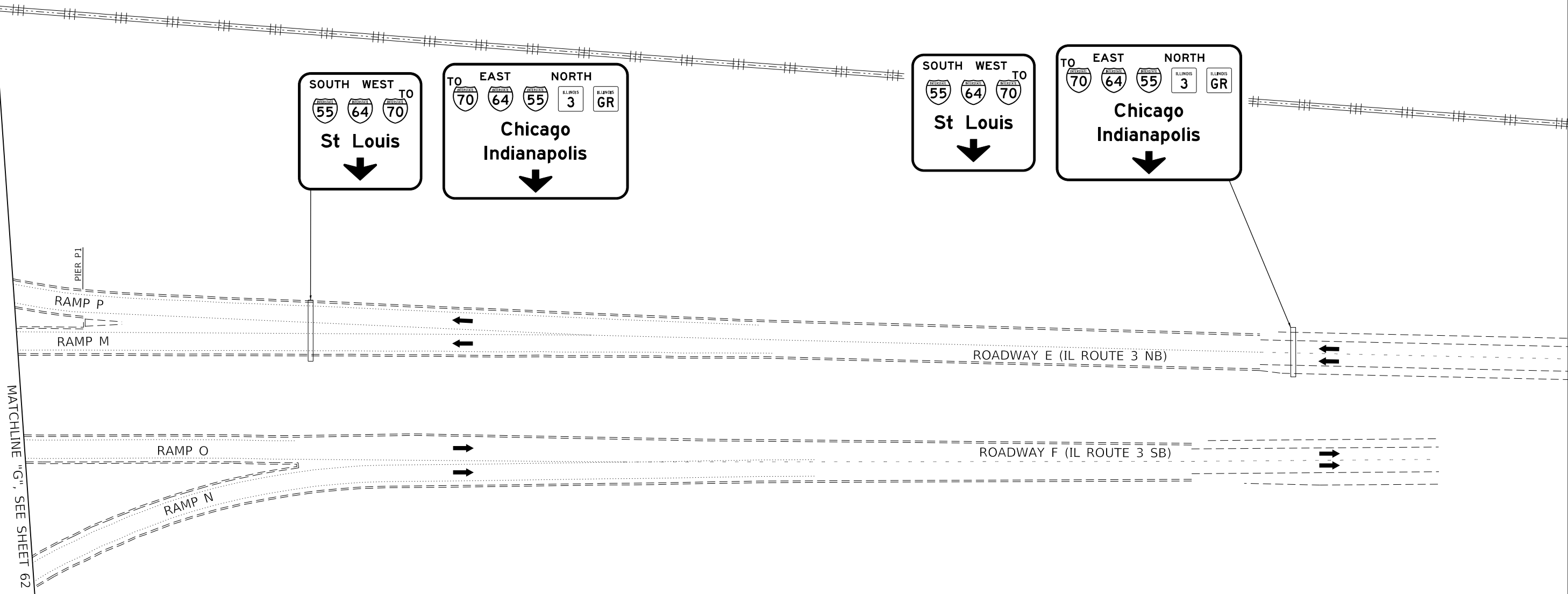
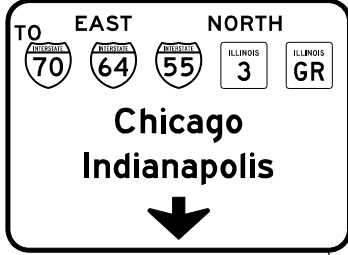
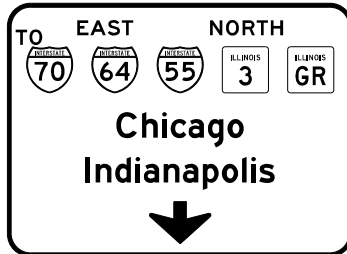
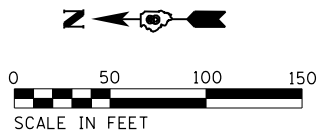
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PLOT SCALE = 100,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4

SCALE: 1"=50' SHEET 25 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	64
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



MATCHLINE "G", SEE SHEET 62

- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

MODEL: D:\efk\11... FILE NAME: 20130522_22_P58_WO 22\DC\Drawings\Final\Barricades\65-07-76B55-rlt-Stage 4-05.dwg

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

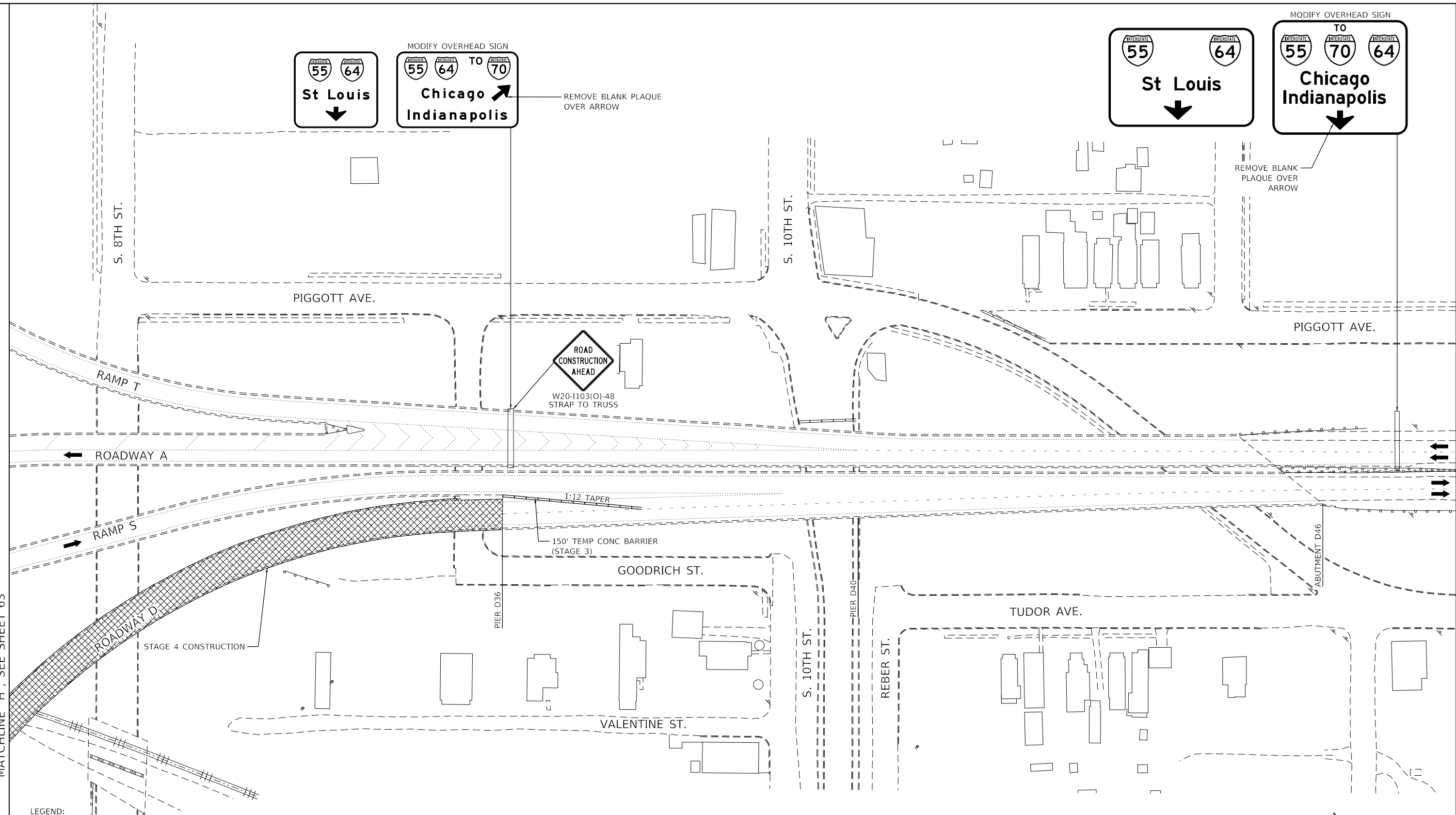
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION PLAN STAGE 4			
SCALE: 1"=50'	SHEET 26	OF 38 SHEETS	STA. TO STA.

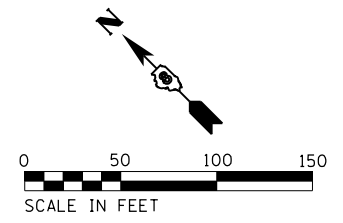
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

MODEL: D:\efm\...
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MATCHLINE "H", SEE SHEET 63



- LEGEND:**
- SIGN
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES, DRUMS, OR VERTICAL PANEL POST
 - TYPE III BARRICADE
 - TEMPORARY CONCRETE BARRIER
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
 Civil Engineering Design

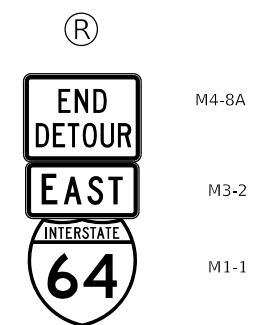
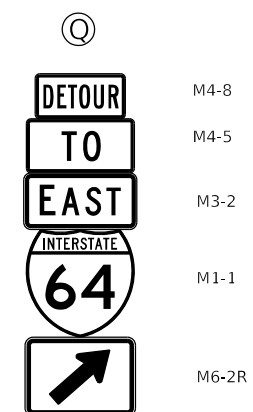
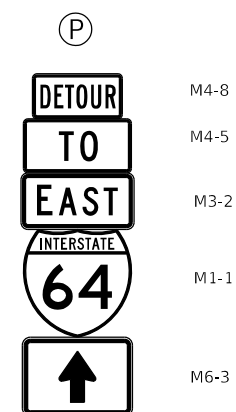
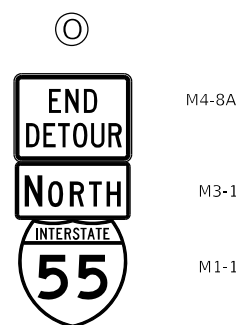
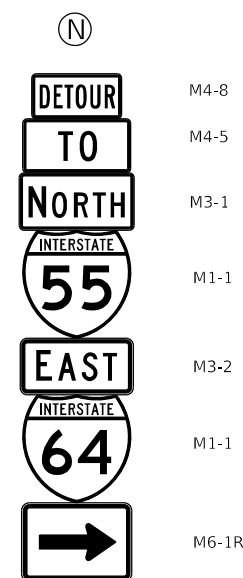
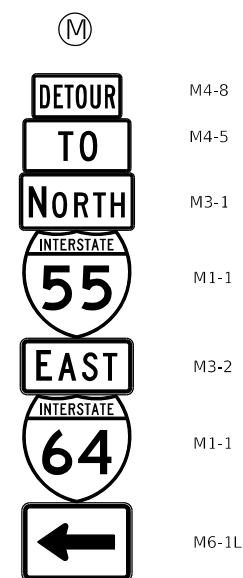
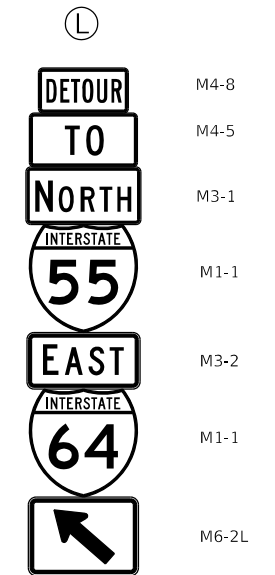
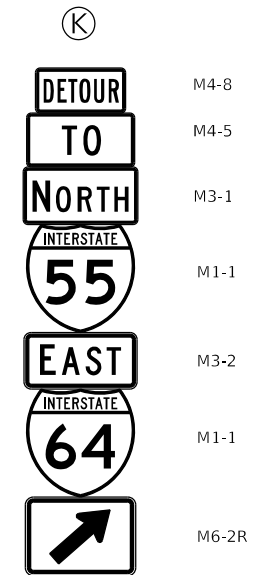
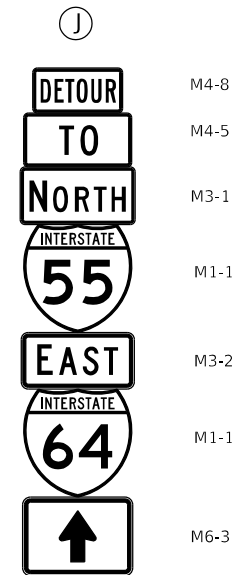
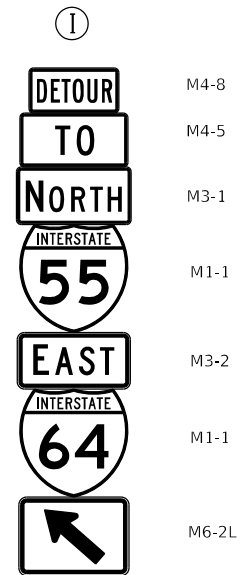
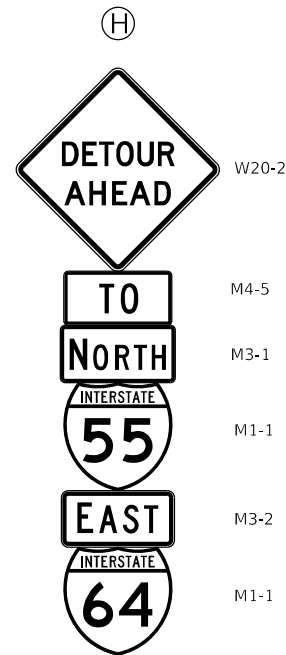
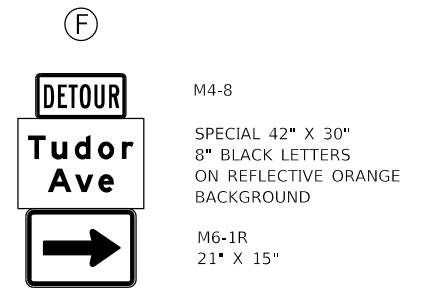
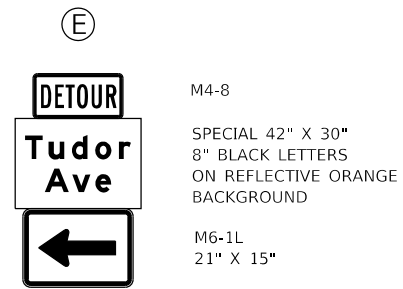
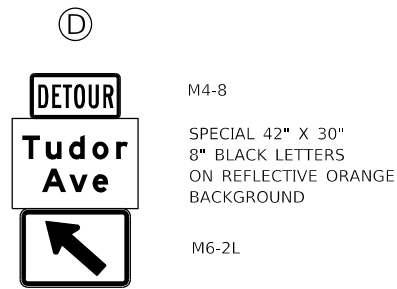
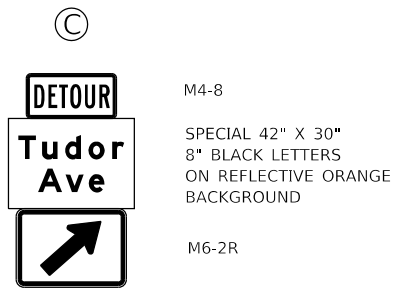
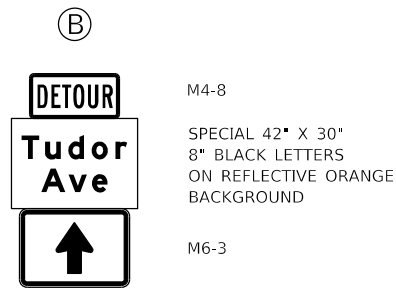
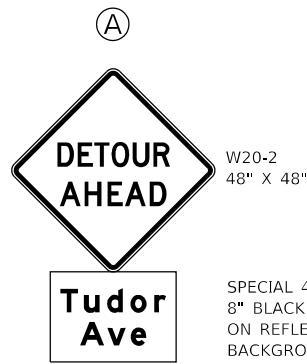
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PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 4**

SCALE: 1"=50' SHEET 27 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV8-2R-1-I-1	ST. CLAIR	361	66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



ALL HIGHWAY SIGN SIZES AND SPACING SHALL BE PLACED IN ACCORDANCE WITH THE MUTCD.

MODEL: D:\efk\...
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EFK Moen
Civil Engineering Design

USER NAME = zWaters
PLOT SCALE = 400,0000' / in.
PLOT DATE = 7/20/2020

DESIGNED - SJF
DRAWN - JRD
CHECKED - SLD
DATE - 07/16/2020

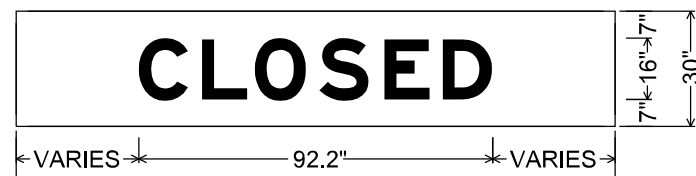
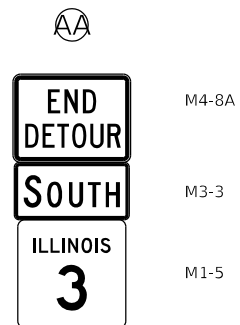
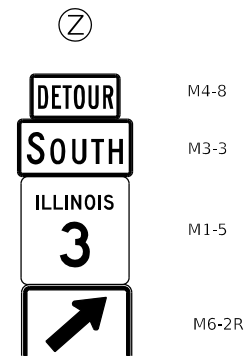
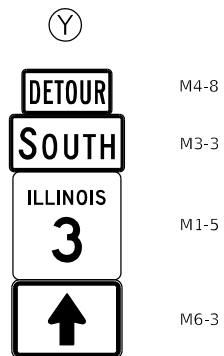
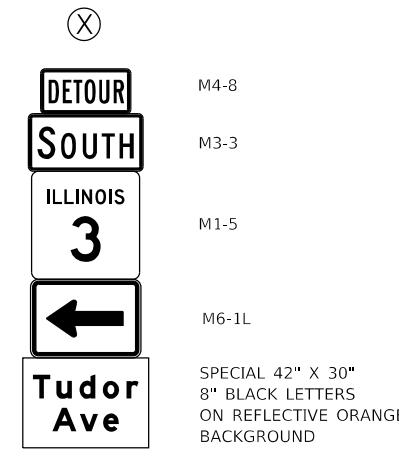
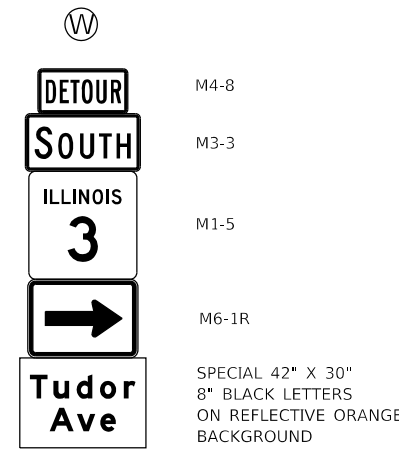
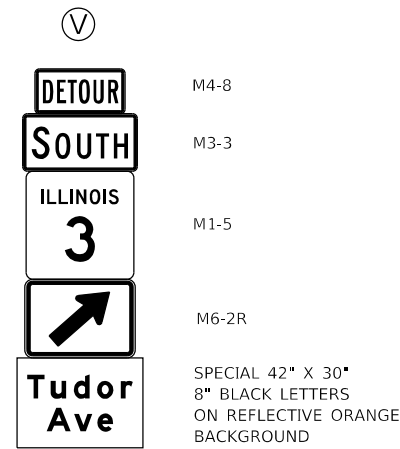
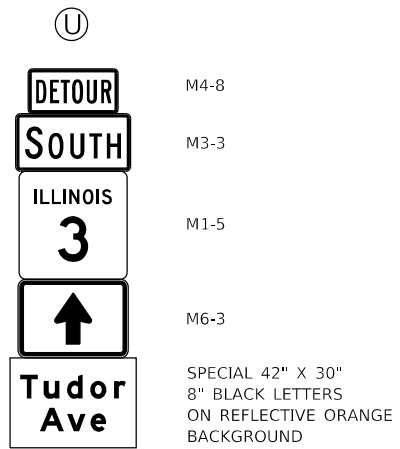
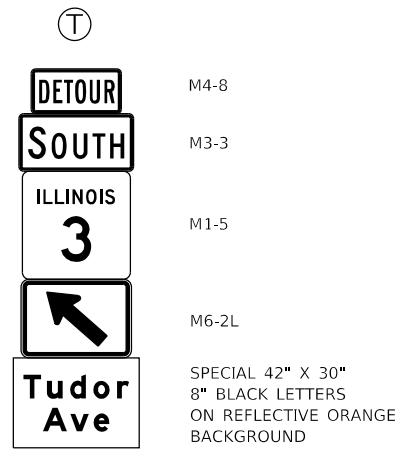
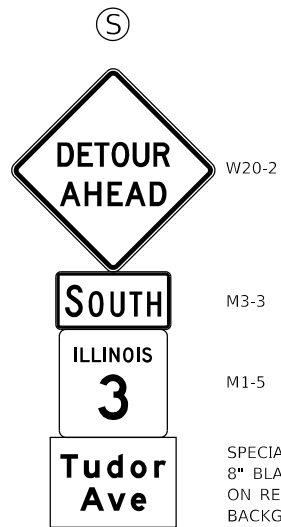
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
DETOUR SIGNAGE

SCALE: N/A SHEET 28 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	67
CONTRACT NO. 76B55				
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

ALL HIGHWAY SIGN SIZES AND SPACING SHALL BE PLACED IN ACCORDANCE WITH THE MUTCD.

MODEL: D:\efk\...
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EFK Moen
Civil Engineering Design

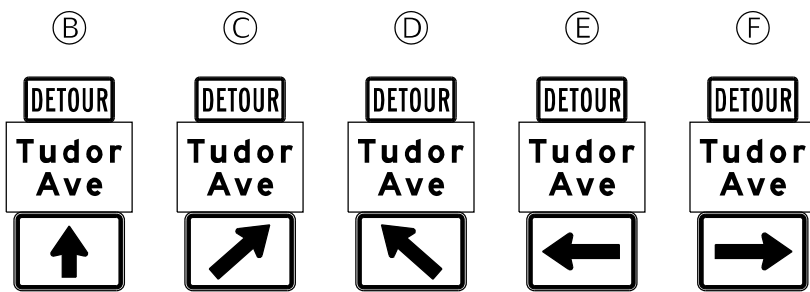
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PLOT SCALE = 400.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

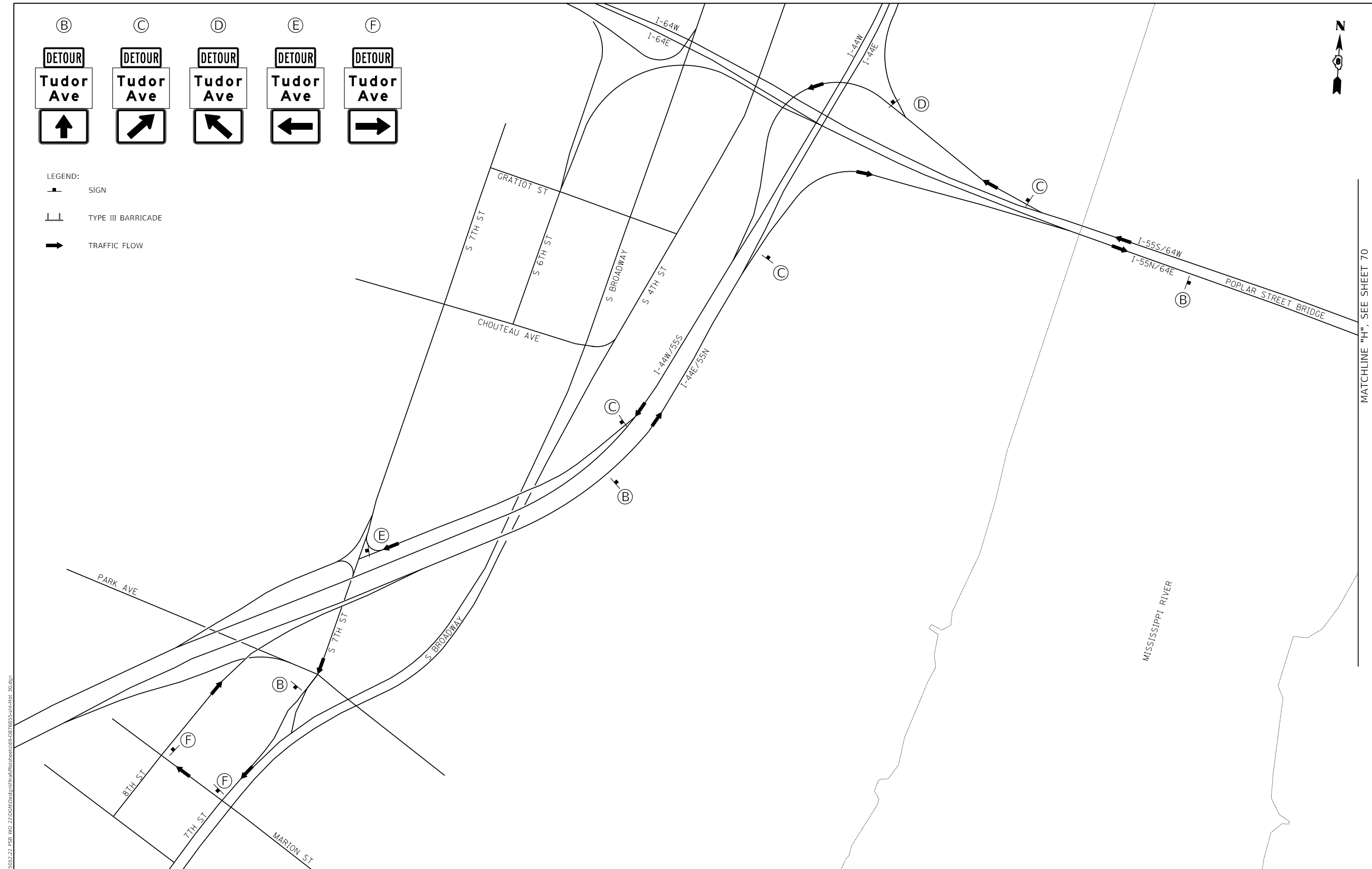
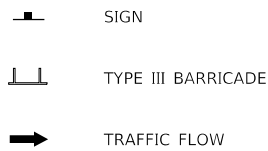
TRAFFIC CONTROL AND PROTECTION PLAN
DETOUR SIGNAGE

SCALE: N/A SHEET 29 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	68
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		



LEGEND:



MODEL: D:\efm\...
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EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - SJF	REVISED -
DRAWN - JRD	REVISED -	
PLOT SCALE = 400,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
RAMP S DETOUR SIGNAGE DETAIL**

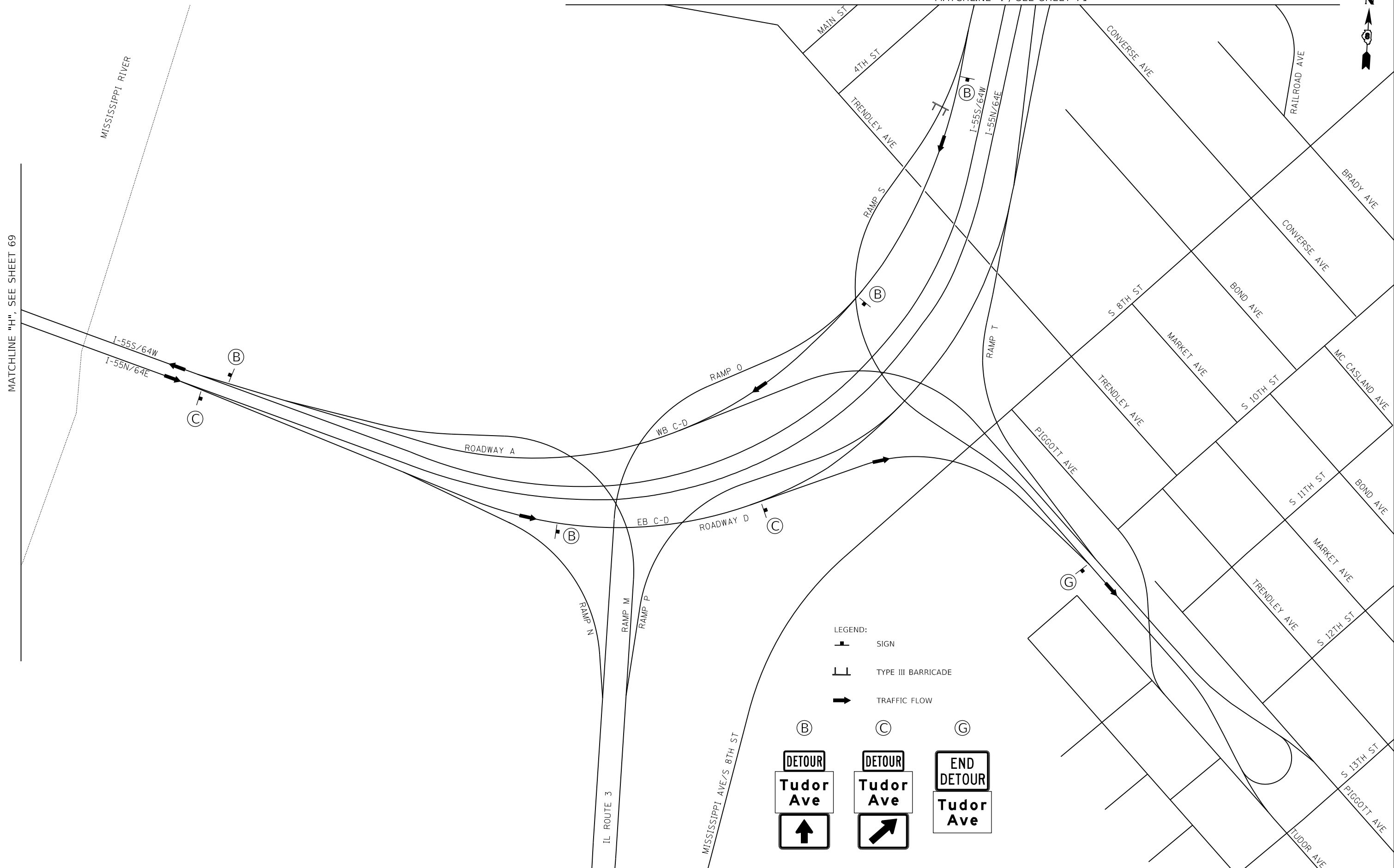
SCALE: 1"=200' SHEET 30 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	69
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

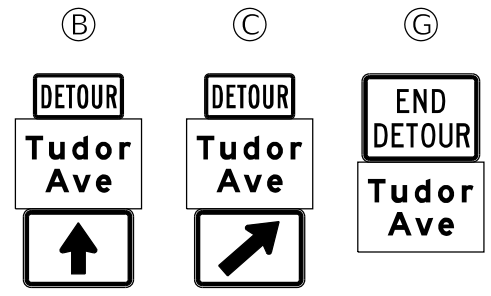
MATCHLINE "H", SEE SHEET 70



MATCHLINE "H", SEE SHEET 69



- LEGEND:
- SIGN
 - TYPE III BARRICADE
 - TRAFFIC FLOW



MODEL: D:\efk\...
 FILE NAME: 20130922_22_P58_W0_2210CADetourFinal\Barricade\70x0876855-plc-A08_31.dgn

EFK Moen
Civil Engineering Design




USER NAME = zWaters	DESIGNED - SJF	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 400,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
RAMP S DETOUR SIGNAGE DETAIL**

SCALE: 1"=200' SHEET 31 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	70
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

- LEGEND:
-  SIGN
 -  TYPE III BARRICADE
 -  TRAFFIC FLOW



MATCHLINE "I", SEE SHEET 70

MODEL: D:\efm\...
 FILE NAME: 20130522_22_P59_W0_22\DC\Drawings\Final\Barricades\1-0876855-rlc-A08_32.dgn

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - SJF	REVISED -
PLOT SCALE = 400,000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

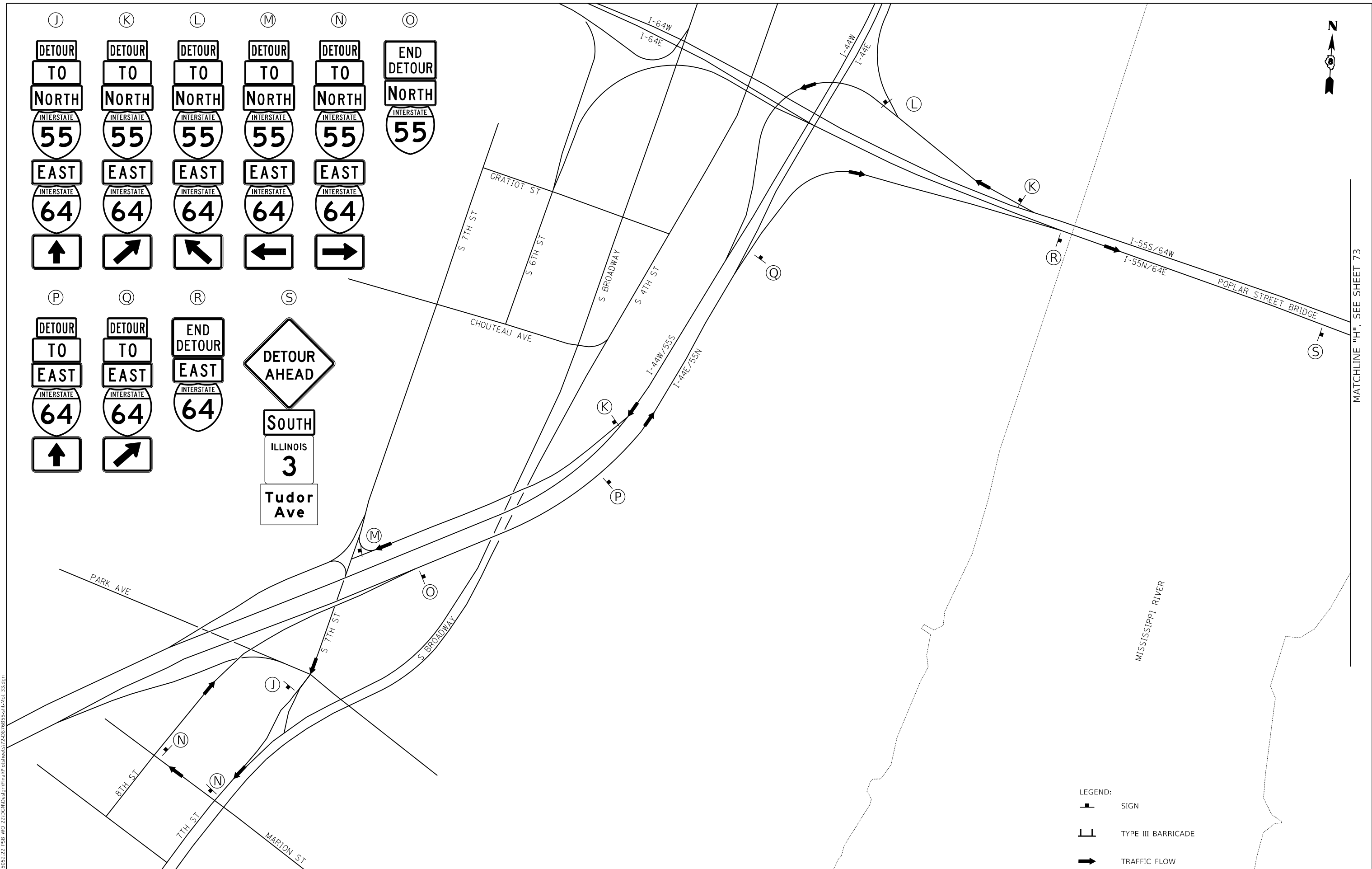
**TRAFFIC CONTROL AND PROTECTION PLAN
RAMP S DETOUR SIGNAGE DETAIL**

SCALE: 1"=200' SHEET 32 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	71
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



J
 DETOUR TO NORTH INTERSTATE 55 EAST INTERSTATE 64 ↑
K
 DETOUR TO NORTH INTERSTATE 55 EAST INTERSTATE 64 ↗
L
 DETOUR TO NORTH INTERSTATE 55 EAST INTERSTATE 64 ↖
M
 DETOUR TO NORTH INTERSTATE 55 EAST INTERSTATE 64 ←
N
 DETOUR TO NORTH INTERSTATE 55 EAST INTERSTATE 64 →
O
 END DETOUR NORTH INTERSTATE 55
P
 DETOUR TO EAST INTERSTATE 64 ↑
Q
 DETOUR TO EAST INTERSTATE 64 ↗
R
 END DETOUR EAST INTERSTATE 64
S
 DETOUR AHEAD
 SOUTH ILLINOIS 3 Tudor Ave



- LEGEND:
- SIGN
 - TYPE III BARRICADE
 - TRAFFIC FLOW

MODEL: D:\efm\11...
 FILE NAME: 20130522_22_P58_WO 22\DC\Drawings\Final\Bridges\Sheet72-0876B55-rlc-A08_33.dgn

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - SJF	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 400,000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
ROADWAY D, RAMP N, & RAMP P DETOUR SIGNAGE DETAIL**

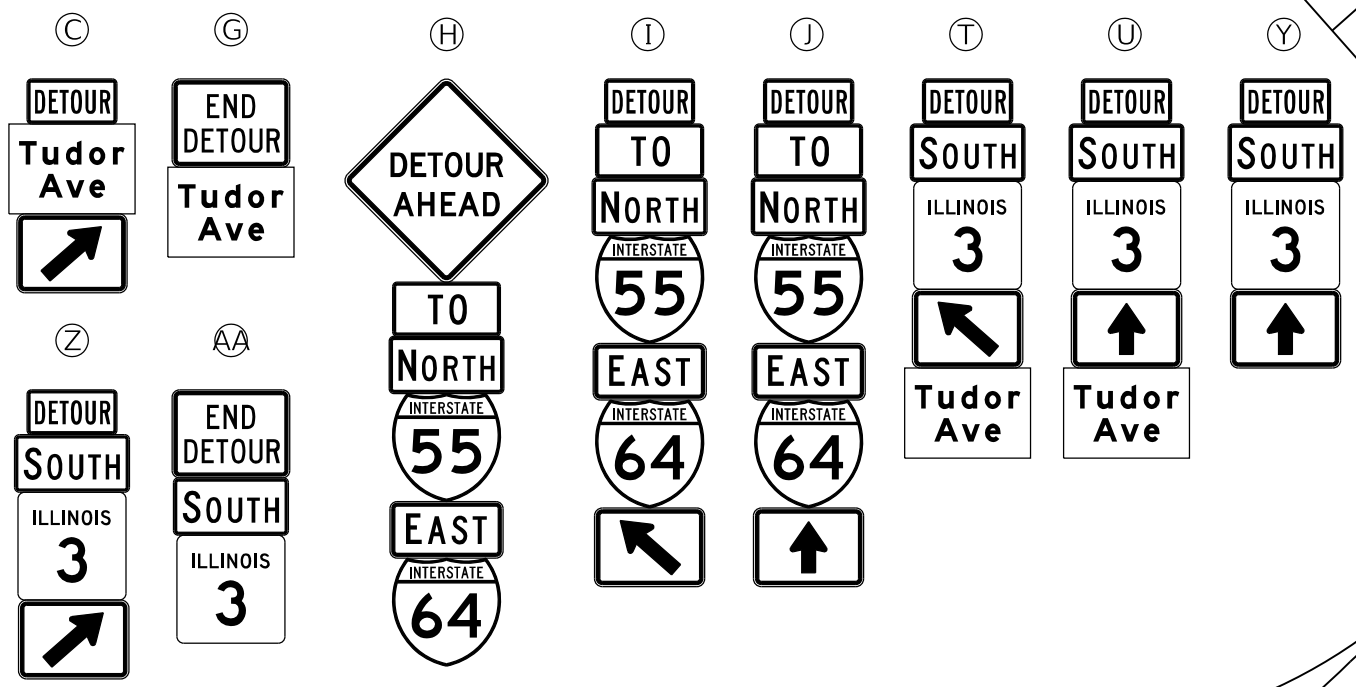
SCALE: 1"=200' SHEET 33 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	72
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	

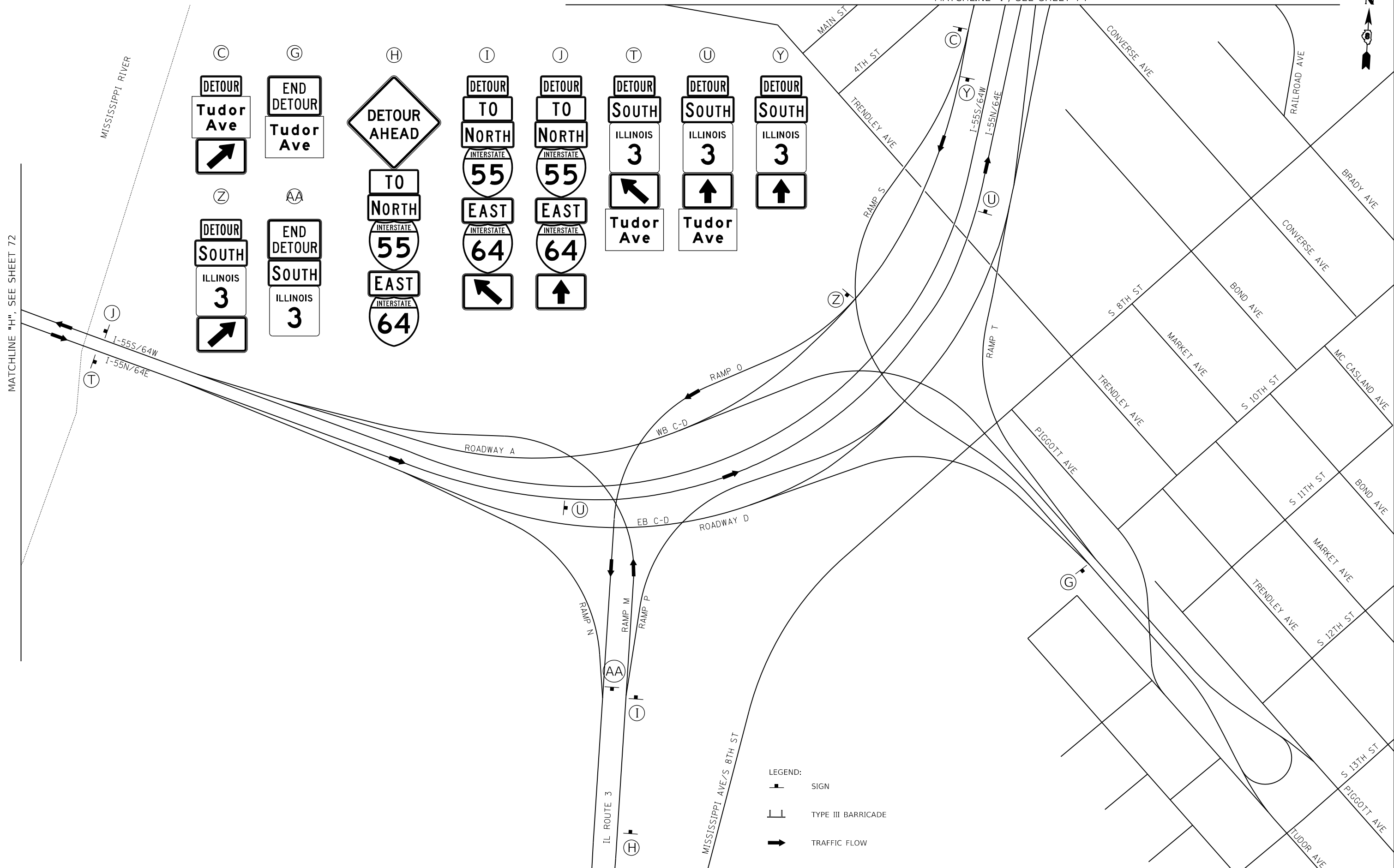
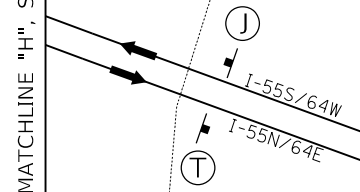
MATCHLINE "H", SEE SHEET 73



MISSISSIPPI RIVER



MATCHLINE "H", SEE SHEET 72



- LEGEND:
- SIGN
 - TYPE III BARRICADE
 - TRAFFIC FLOW

MODEL: D:\efk\11
 FILE NAME: 20130922_22_P58_W0_22\04\Drawings\Final\Barricades\72-0876B55-rlc-A08_34.dgn

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - SJF	REVISED -
	DRAWN - JRD	REVISED -
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PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

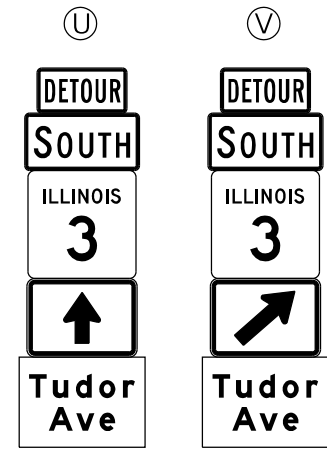
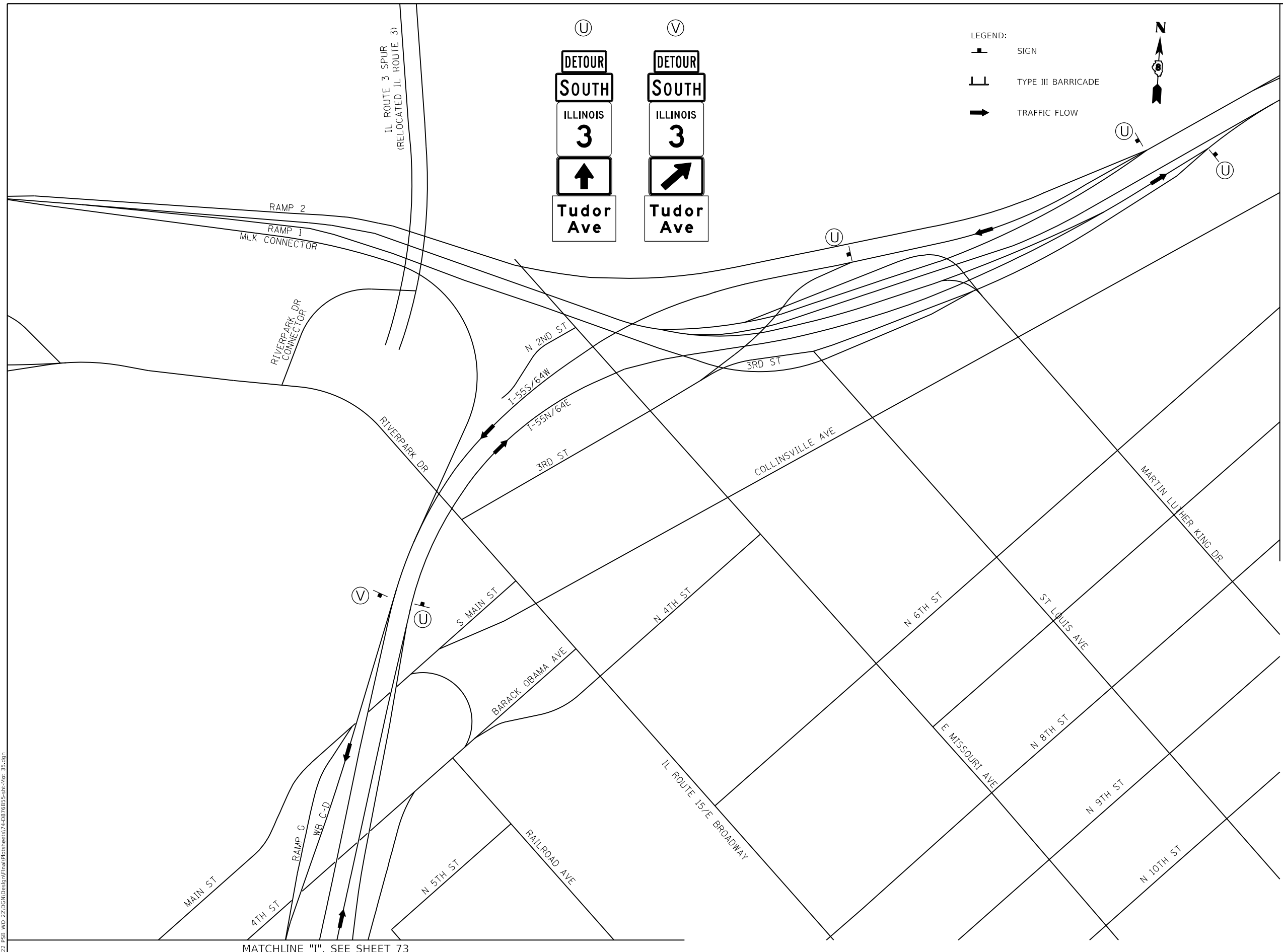
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
ROADWAY D, RAMP N, & RAMP P DETOUR SIGNAGE DETAIL

SCALE: 1"=200' SHEET 34 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	73
			CONTRACT NO. 76B55	
		ILLINOIS FED. AID PROJECT		

MODEL: D:\efm\...
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- LEGEND:
- SIGN
 - TYPE III BARRICADE
 - TRAFFIC FLOW



MATCHLINE "I", SEE SHEET 73

MATCHLINE "J", SEE SHEET 75



USER NAME = zWaters	DESIGNED - SJF	REVISED -
PLOT SCALE = 400,0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 7/20/2020	CHECKED - SLD	REVISED -
	DATE - 07/16/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION




TRAFFIC CONTROL AND PROTECTION PLAN
 ROADWAY D, RAMP N, & RAMP P DETOUR SIGNAGE DETAIL

SCALE: 1"=200' SHEET 35 OF 38 SHEETS STA. TO STA.





F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	74
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MATCHLINE "J", SEE SHEET 74

LEGEND:

-  SIGN
-  TYPE III BARRICADE
-  TRAFFIC FLOW



Ⓚ	Ⓛ
DETOUR SOUTH	DETOUR SOUTH
ILLINOIS 3	ILLINOIS 3
	
Tudor Ave	Tudor Ave
Ⓜ	ⓧ
DETOUR SOUTH	DETOUR SOUTH
ILLINOIS 3	ILLINOIS 3
	
Tudor Ave	Tudor Ave



MODEL: D:\efk\...
 FILE NAME: 20130522_P58_WO 22\DC\Drawings\Final\Barricades\75-0876B55-rt-A08_36.dgn

EFK Moen
Civil Engineering Design

USER NAME = zWaters	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 400,0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 7/20/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
ROADWAY D, RAMP N, & RAMP P DETOUR SIGNAGE DETAIL**

SCALE: 1"=200' SHEET 36 OF 38 SHEETS STA. TO STA.

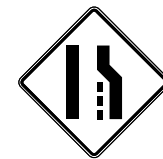
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	75
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

SYMBOLS

- ↑ ARROW BOARD
- ⊥ SIGN
- ⬇️ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⬇️ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⌈ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE

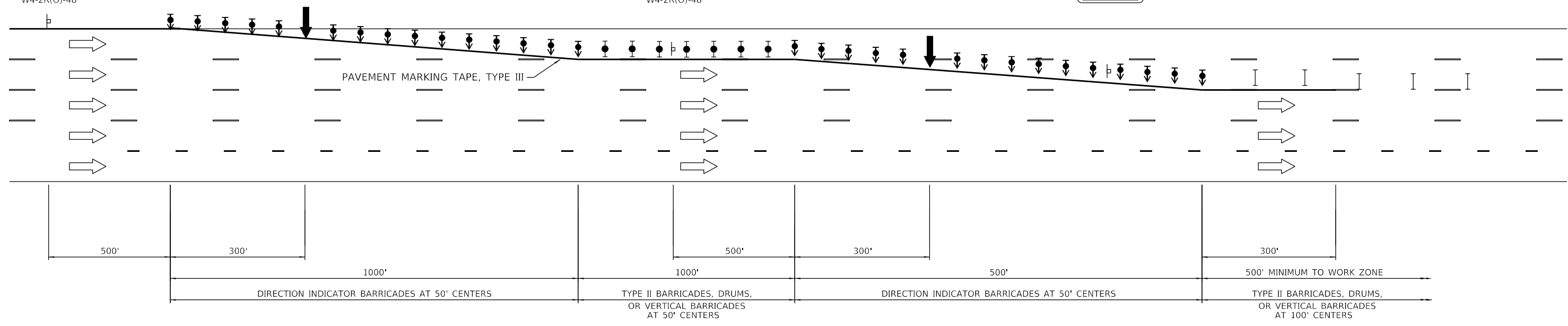


W4-2R(O)-48



W4-2R(O)-48

WORK ZONE	W21-III5(0)-3618
SPEED LIMIT	R2-1-3648
40	
PHOTO ENFORCED	R10-I108p-3618
\$XXX FINE MINIMUM	R2-I106P-3618



NOTES:

1. ALL ITEMS SHOWN ON THIS DETAIL TO CLOSE 2 LANES OF I-55N/I-64E TRAFFIC ACROSS THE POPLAR STREET BRIDGE SHALL BE PAID FOR BY TRAFFIC CONTROL AND PROTECTION, (SPECIAL) (L SUM).
2. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPERS AND FOR 300' ALONG-SIDE THE WORK AREA WHEN THE CLOSURE TIME IS GREATER THAN 14 DAYS. THE EDGE LINE SHALL BE WHITE FOR RIGHT LANE CLOSURES.

MODEL: Default
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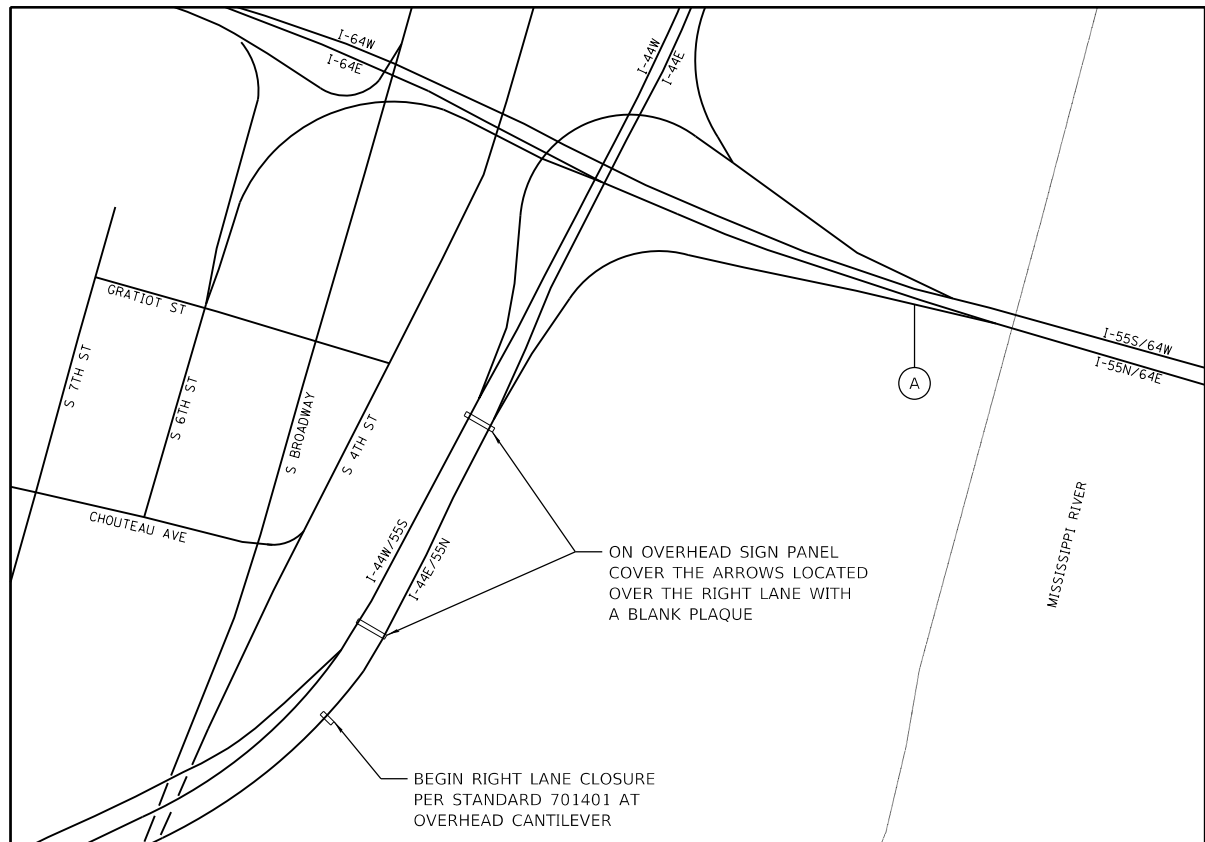
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DRAWN - ZJW	CHECKED - SLD	REVISED -
PLOT SCALE = 40,0000 ' / in.	DATE - 07/16/2020	REVISED -
PLOT DATE = 7/15/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
DETAIL - TWO LANE CLOSURE**

SCALE: N/A SHEET 37 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	76
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



SYMBOLS

- ↑ ARROW BOARD
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE

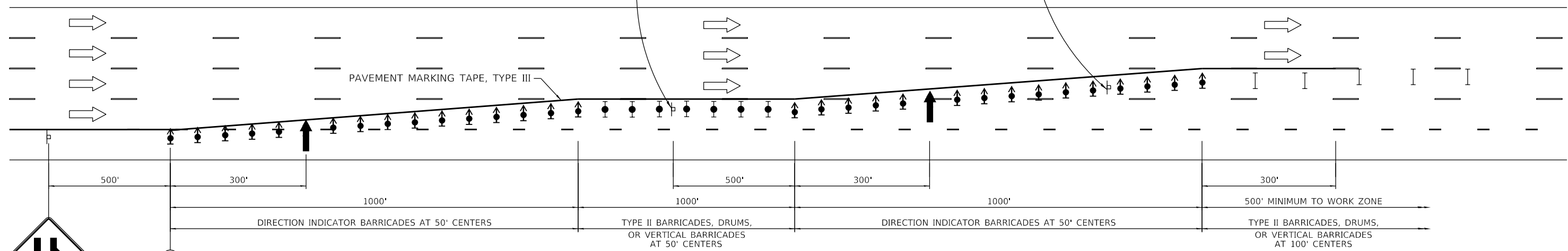
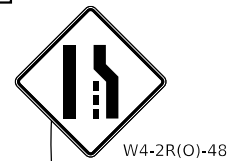
WORK ZONE W21-III5(0)-3618

SPEED LIMIT R2-1-3648

40

PHOTO ENFORCED R10-1108p-3618

\$XXX FINE MINIMUM R2-1106p-3618



NOTES:

1. ALL ITEMS SHOWN ON THIS DETAIL TO CLOSE 3 LANES OF I-55N/I-64E IN MISSOURI AND TRAFFIC ACROSS THE POPLAR STREET BRIDGE SHALL BE PAID FOR BY TRAFFIC CONTROL AND PROTECTION, (SPECIAL) (L SUM).
2. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPERS AND FOR 300' ALONG-SIDE THE WORK AREA WHEN THE CLOSURE TIME IS GREATER THAN 14 DAYS. THE EDGE LINE SHALL BE WHITE FOR RIGHT LANE CLOSURES.

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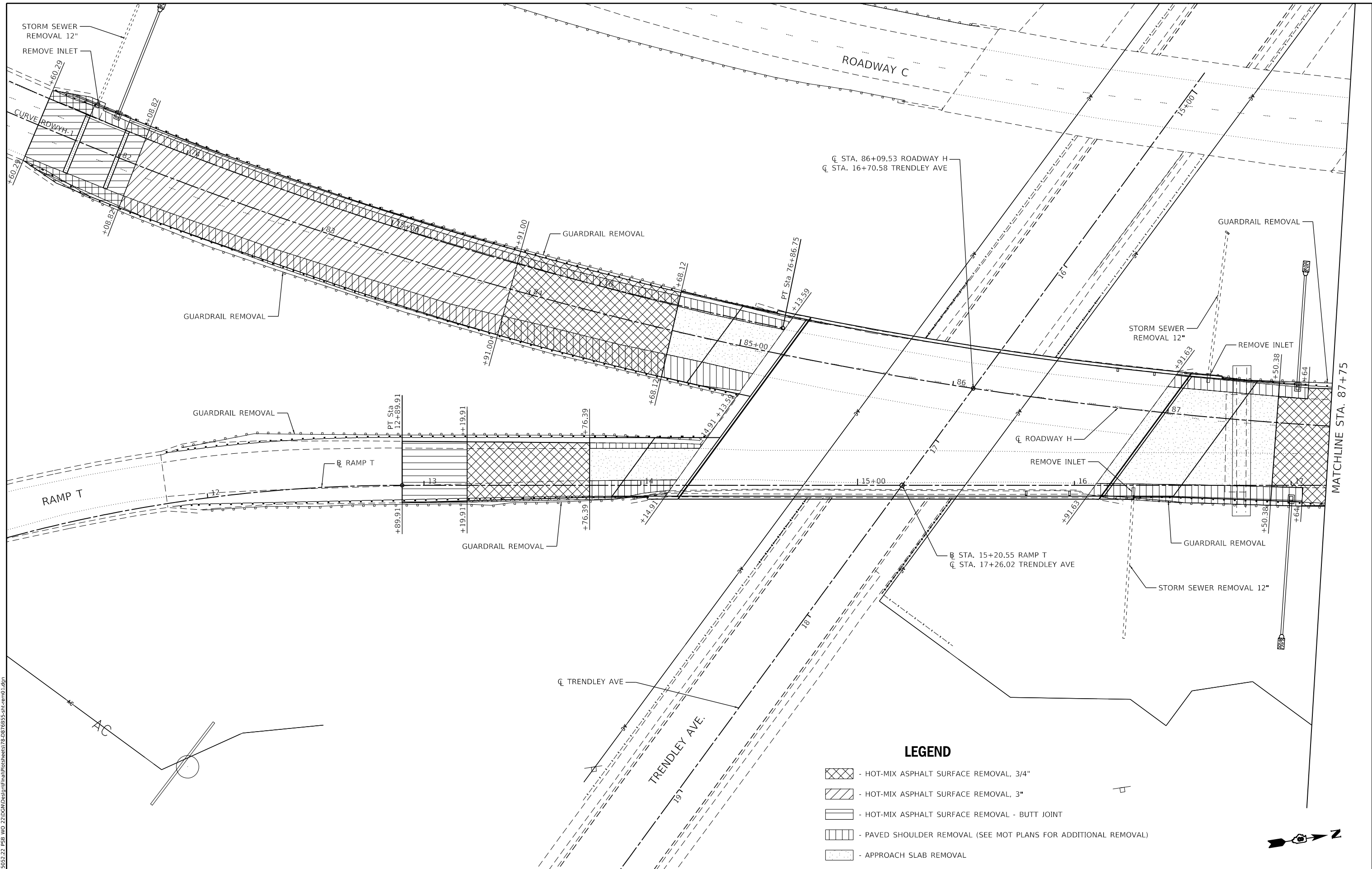
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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
DETAIL - THREE LANE CLOSURE**

SCALE: N/A SHEET 38 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	77
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL (SEE MOT PLANS FOR ADDITIONAL REMOVAL)
- APPROACH SLAB REMOVAL



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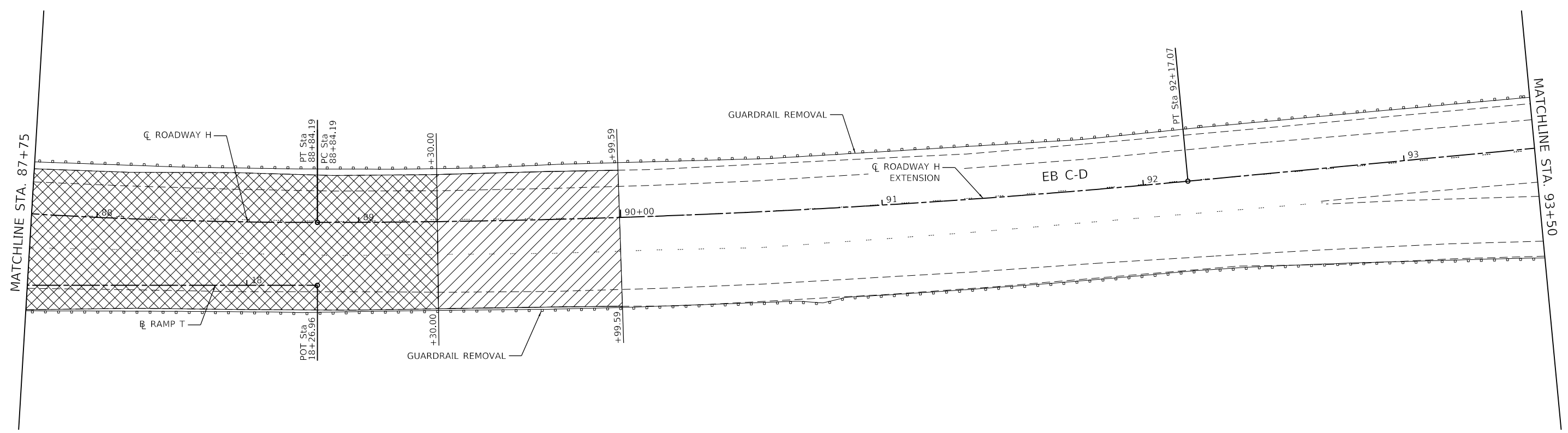
EFK Moen
Civil Engineering Design

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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

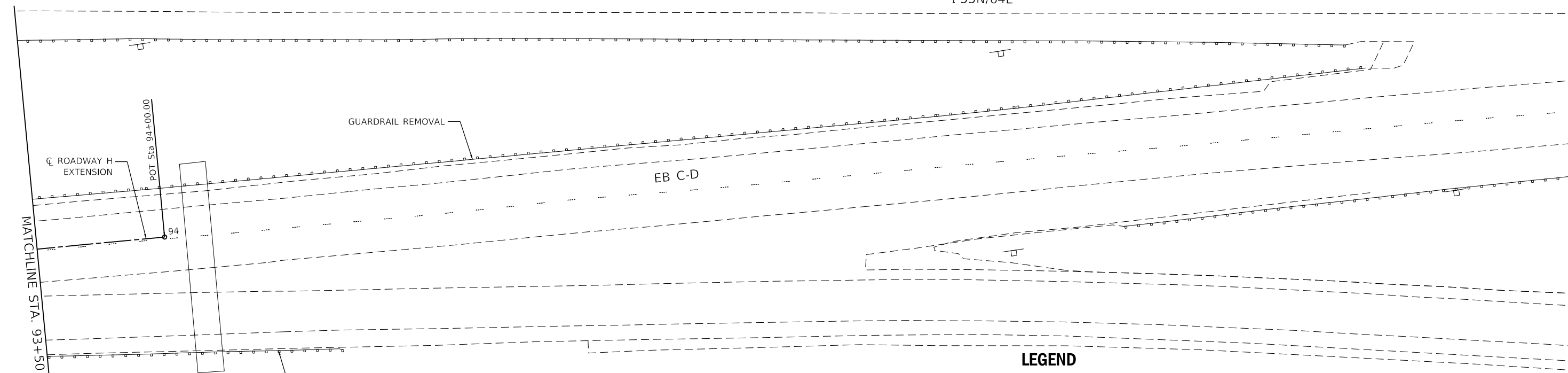
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVALS	
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS
STA. 81+42.50	TO STA. 87+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	78
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



I-55N/64E



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL (SEE MOT PLANS FOR ADDITIONAL REMOVAL)
- APPROACH SLAB REMOVAL

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EFK Moen
Civil Engineering Design

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PLOT DATE = 7/15/2020	DATE - 07/16/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVALS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		70	82-3HVB-2R-1-I-1	ST. CLAIR	361	79
SCALE: 1"=20'		SHEET 2 OF 2 SHEETS		STA. 87+75.00 TO STA. 94+00.00		CONTRACT NO. 76B55

ILLINOIS		FED. AID PROJECT	
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Bench Mark: Cut "X" on top northwest hex bolt on hydrant, 23' southeast of the intersection of Bond Avenue and South 4th Street. Elev. 414.63.

Existing Structure: S.N. 082-0144 was originally built in 1967 as F.A.I. 70, Sections 82-3HV(B,D,F&3)-1 & 3HVB-3. The existing structure consists of a 45-span superstructure supported on multi-column piers, which are founded on pile supported footings and a stub abutment on piles at the south end. The structure width varies and the total length is 4,335' from Pier D1 to Abutment D46. The superstructure framing is arranged in single, three, four, and five span units between expansion joints, and is noncomposite with the deck except in the single span units. Roadway D will be closed to traffic for the deck and joint replacement from D1 to D36 and will be staged for traffic for deck repair and joint replacement from D36 to D46.

Salvage: None

SCOPE OF WORK

1. Remove and replace existing concrete deck from Pier D1 to Pier D26, including temporary removal of roadway tie continuity seismic devices at Piers D11 and D26.
2. Partial deck repairs Span D26 thru Span D45 (approximately 700 SqFt) followed by application of deck sealer in all spans.
3. Remove and replace seismic slab/floor beam connections per schedule on Sheet S-2.
4. Remove and replace existing expansion joints from Pier D1 through Abutment D46.
5. Repair concrete substructures at expansion joints from Pier D1 through Pier D45.
6. Strengthen superstructure, span D1 through D25.
7. Remove and replace existing sign supports at Piers D10 and D25.

LOADING HS-20 (NEW CONSTRUCTION)

Allow 25#/sq. ft. for future wearing surface.
Alternate Military Loading

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition
2003 AASHTO Guide Specifications for Horizontally Curved Steel Girder Highway Bridges
1995 FHWA Seismic Retrofitting Manual

SEISMIC DATA

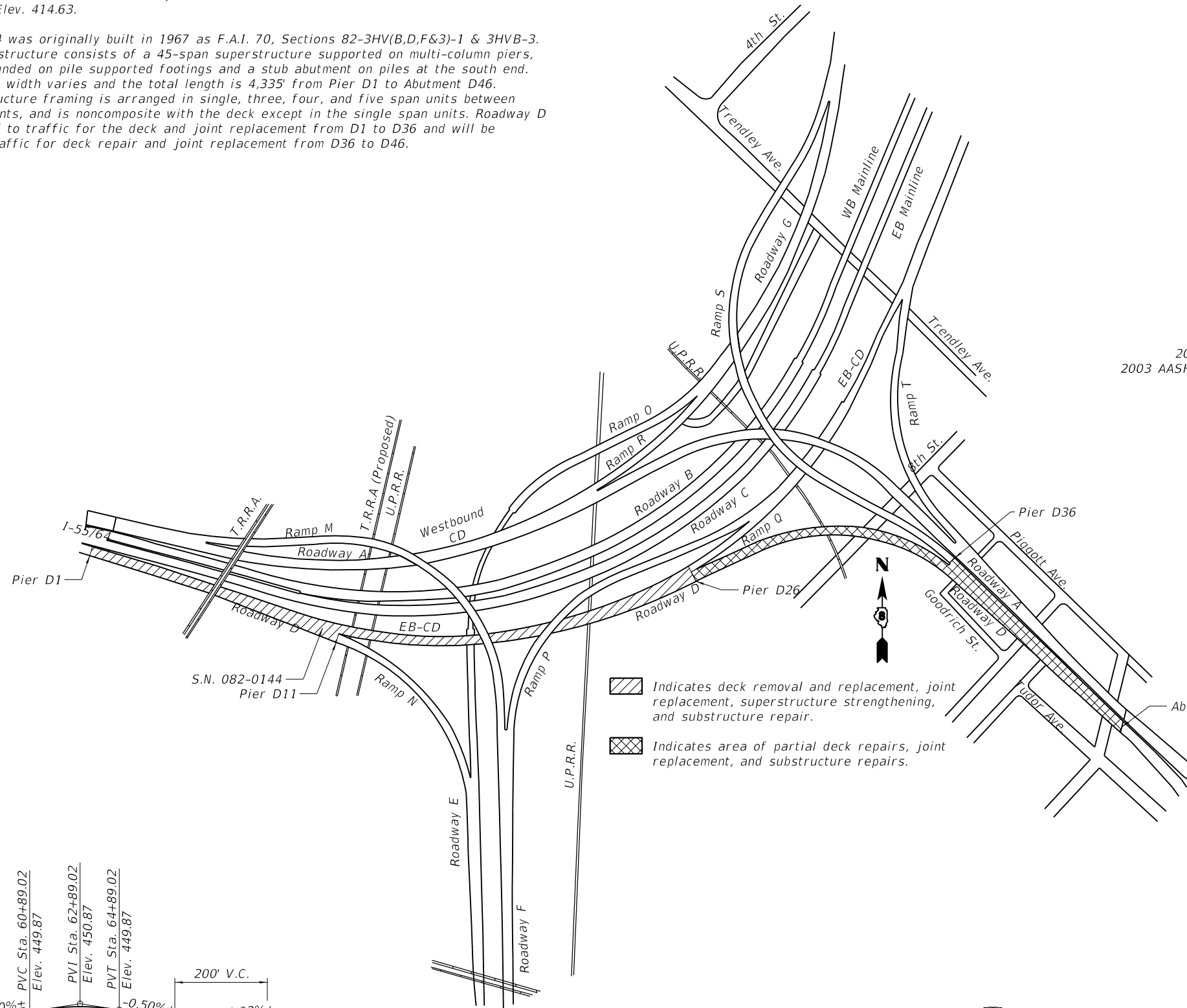
Seismic Performance Category (SPC) = B
Acceleration Coefficient (A) = 0.12g
Site Coefficient (S) = 1.0

DESIGN STRESSES

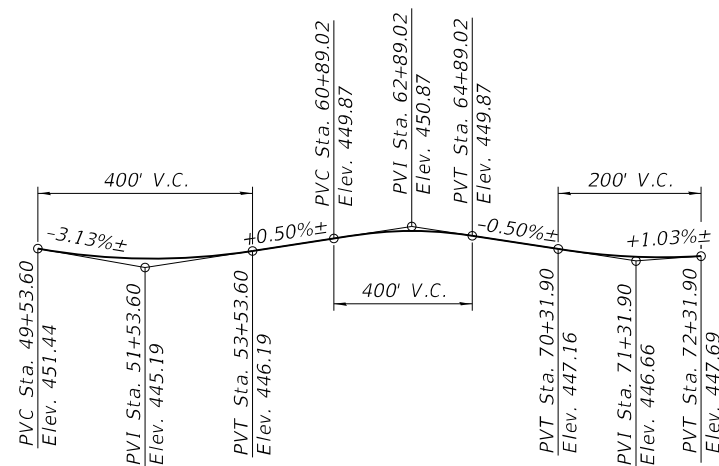
FIELD UNITS

NEW CONSTRUCTION
f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (Structural Steel)

EXISTING CONSTRUCTION
f'c = 3,500 psi (1989+ Rebars)
f'c = 1,400 psi (1967 Construction)
fs = 20,000 psi (Reinforcement)
fs = 20,000 psi (Structural Steel 1967 Construction)
fs = 36,000 psi & 50,000 psi (Structural Steel Rebars after 1989)



GENERAL PLAN

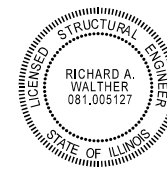


PROFILE GRADE - G ROADWAY D

(Pier D1 to Pier D26)

The profile grade shows final elevations after grinding

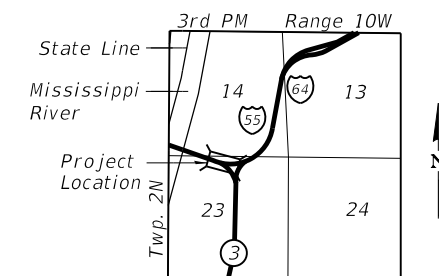
- Indicates deck removal and replacement, joint replacement, superstructure strengthening, and substructure repair.
- Indicates area of partial deck repairs, joint replacement, and substructure repairs.



Signature: *Richard A. Walther*
Date Signed: 07/16/2020
License Expires: 11/30/2020



Signature: *Anna M. Dukes*
ANNA M. DUKES, S.E.
DATE SIGNED: 07/16/2020
EXP. DATE: 11/30/2020



LOCATION SKETCH

GENERAL PLAN & SCOPE OF WORK

F.A.I. 70 (I-55/I-64) EB CD "D"

OVER RR, IL 3, 8TH ST

SEC. 82-3HVB-2R-1-I-1

ST. CLAIR COUNTY

STATION 49+55.37

STRUCTURE NO. 082-0144

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & SCOPE OF WORK
S.N. 082-0144**

SHEET S-1 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	80
CONTRACT NO. 76B55				

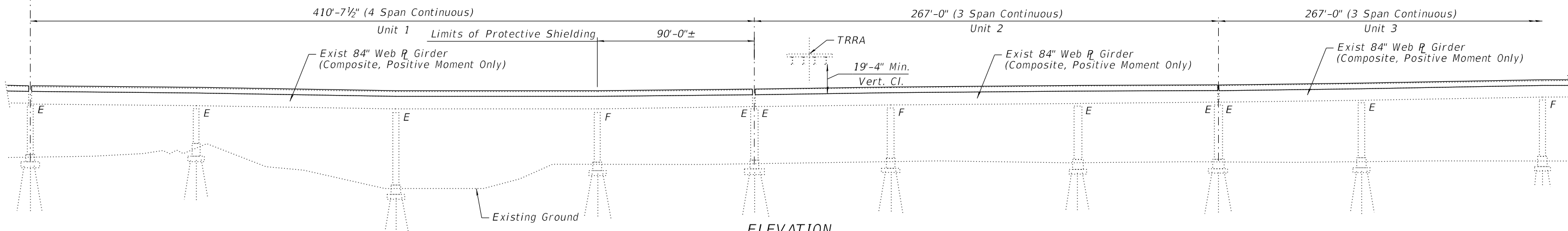
ILLINOIS FED. AID PROJECT

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PLOT DATE = 7/16/2020	DRAWN - JTF	REVISED -
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ELEVATION

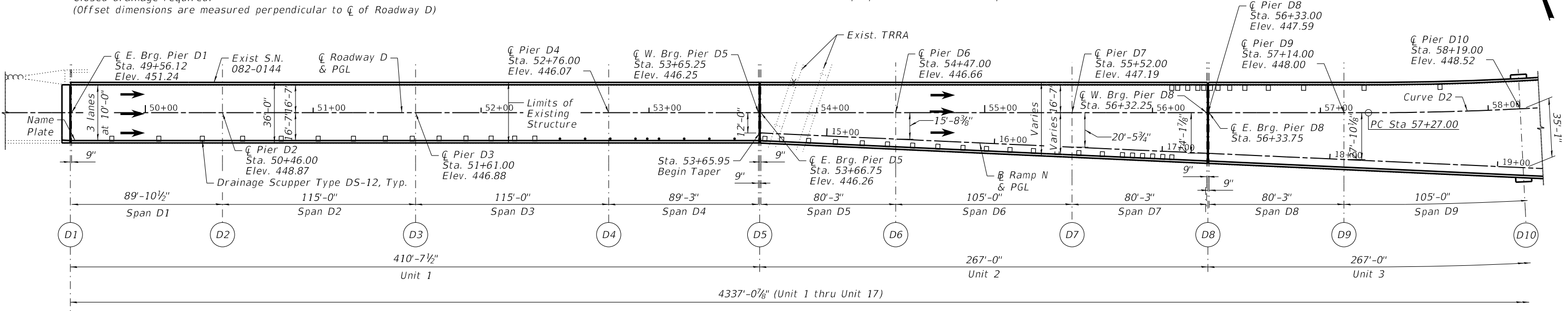
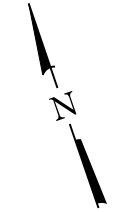
SCUPPER LOCATION							
STATION	OFFSET	STATION	OFFSET	STATION	OFFSET	STATION	OFFSET
49+80.00	16'-3" Rt.	52+20.00	16'-3" Rt.	55+15.00	23'-1" Rt.	56+16.00	16'-3" Lt.
50+09.00	16'-3" Rt.	52+32.00	16'-3" Rt.	55+29.00	23'-8" Rt.	56+21.00	16'-3" Lt.
50+34.00	16'-3" Rt.	* 53+69.00	16'-4" Rt.	* 55+43.00	24'-4" Rt.	* 56+27.00	16'-3" Lt.
50+58.00	16'-3" Rt.	53+79.00	16'-10" Rt.	* 55+56.00	24'-11" Rt.	* 56+30.50	16'-3" Lt.
50+81.00	16'-3" Rt.	53+95.00	17'-7" Rt.	55+70.00	25'-7" Rt.	* 56+35.50	16'-3" Lt.
51+02.00	16'-3" Rt.	54+11.00	18'-4" Rt.	55+82.00	26'-1" Rt.	* 56+39.00	16'-3" Lt.
51+24.00	16'-3" Rt.	54+27.00	19'-1" Rt.	55+88.00	26'-4" Rt.	56+46.00	16'-3" Lt.
51+43.00	16'-3" Rt.	* 54+42.00	19'-9" Rt.	55+94.00	26'-8" Rt.	56+55.00	16'-3" Lt.
* 51+59.00	16'-3" Rt.	54+57.00	20'-5" Rt.	56+00.00	26'-11" Rt.	56+69.00	16'-3" Lt.
51+75.00	16'-3" Rt.	54+72.00	21'-1" Rt.	56+06.00	27'-2" Rt.	56+90.00	16'-3" Lt.
51+91.00	16'-3" Rt.	54+87.00	21'-9" Rt.	56+11.40	27'-5" Rt.	57+26.00	16'-3" Lt.
52+06.00	16'-3" Rt.	55+01.00	22'-5" Rt.	56+11.50	16'-3" Lt.	57+70.00	16'-3" Lt.

SEISMIC SLAB/FLOORBEAM SCHEDULE			
PIER	NO. LOCATIONS PER PIER	PIER	NO. LOCATIONS PER PIER
D2	2	D14	1
D3	1	D16	1
D4	2	D17	2
D6	2	D19	2
D7	2	D20	1
D9	2	D23	4
D10	2	D24	4
D13	2	D25	2

FLOOR DRAIN LOCATION	
STATION	OFFSET
52+47.00	16'-7" Rt.
52+62.00	16'-7" Rt.
* 52+77.00	16'-7" Rt.
52+92.00	16'-7" Rt.
52+99.00	16'-7" Rt.
53+06.00	16'-7" Rt.
53+21.00	16'-7" Rt.
53+36.00	16'-7" Rt.
53+51.00	16'-7" Rt.

* Closed drainage required.
 (Offset dimensions are measured perpendicular to C of Roadway D)

Description of work: At each location, remove existing post-installed threaded rods and existing 8x4x1/2 bent plate as part of deck removal operation. As part of deck reconstruction, restore positive attachment of floorbeam to deck according to proposed details shown in plans.



PLAN (SPANS D1 - D9)

Longitudinal dimensions measured along C Roadway D

Notes:
 Offset dimensions are measured radial to centerline of Roadway D.
 Up to 1/4" may be ground off the bridge deck.

LEGEND:

X Point of Min. Vert. Clearance



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PLOT DATE = 7/15/2020	DRAWN - JTF	REVISED -
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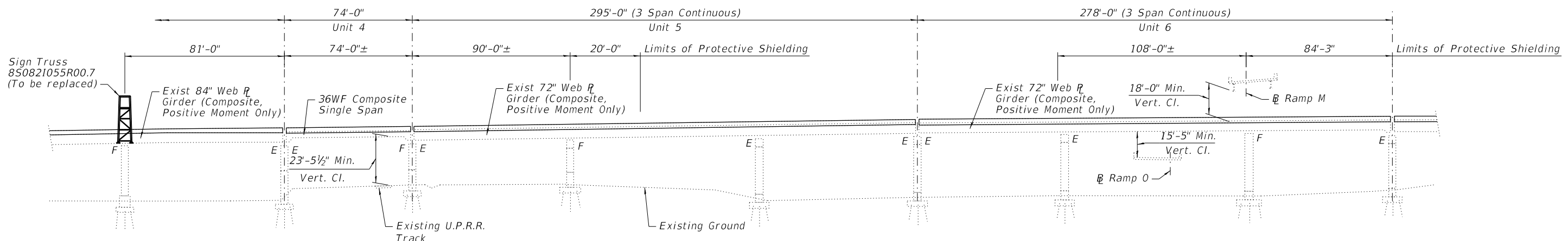
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION (1 OF 6)
 S.N. 082-0144

SHEET S-2 OF S-183 SHEETS

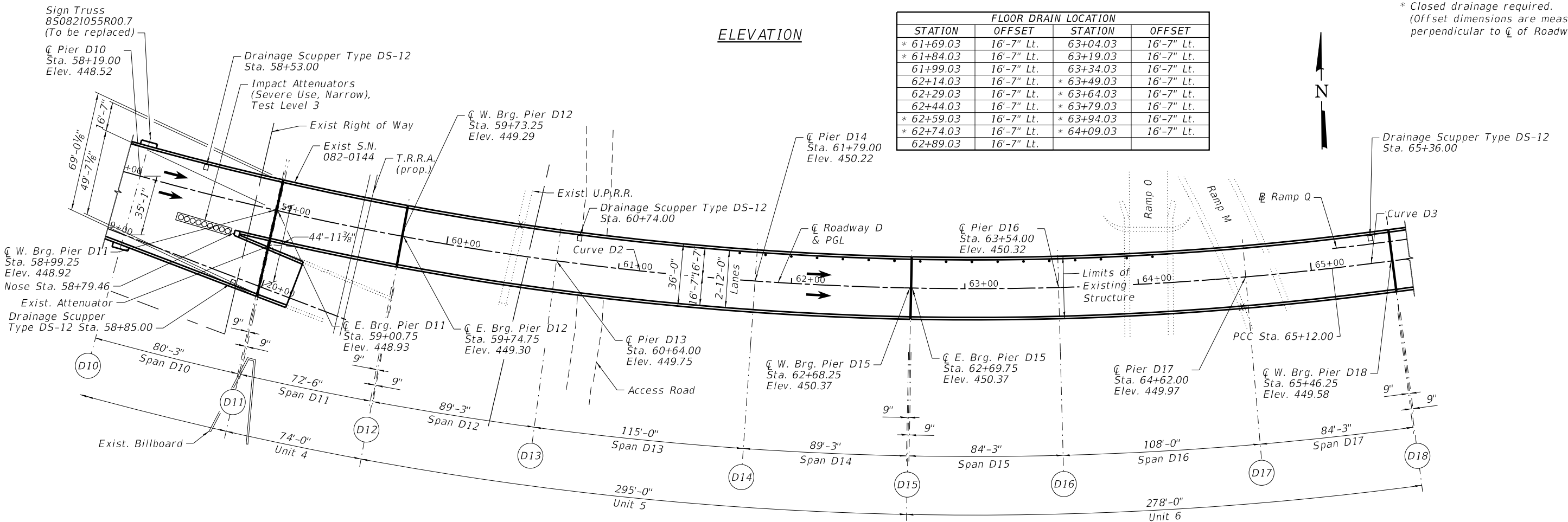
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	81
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

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FLOOR DRAIN LOCATION			
STATION	OFFSET	STATION	OFFSET
* 61+69.03	16'-7" Lt.	63+04.03	16'-7" Lt.
* 61+84.03	16'-7" Lt.	63+19.03	16'-7" Lt.
61+99.03	16'-7" Lt.	* 63+34.03	16'-7" Lt.
62+14.03	16'-7" Lt.	* 63+49.03	16'-7" Lt.
62+29.03	16'-7" Lt.	* 63+64.03	16'-7" Lt.
62+44.03	16'-7" Lt.	* 63+79.03	16'-7" Lt.
* 62+59.03	16'-7" Lt.	* 63+94.03	16'-7" Lt.
* 62+74.03	16'-7" Lt.	* 64+09.03	16'-7" Lt.
62+89.03	16'-7" Lt.		

* Closed drainage required.
 (Offset dimensions are measured perpendicular to C of Roadway D)



Notes:
 Offset dimensions are measured radial to centerline of Roadway D.
 No freefall deck drains will be permitted in spans D11 or D12 over the railroad ROW or within 10 ft. of cross arms of a railroad pole line.

LEGEND:
 X Point of Min. Vert. Clearance



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

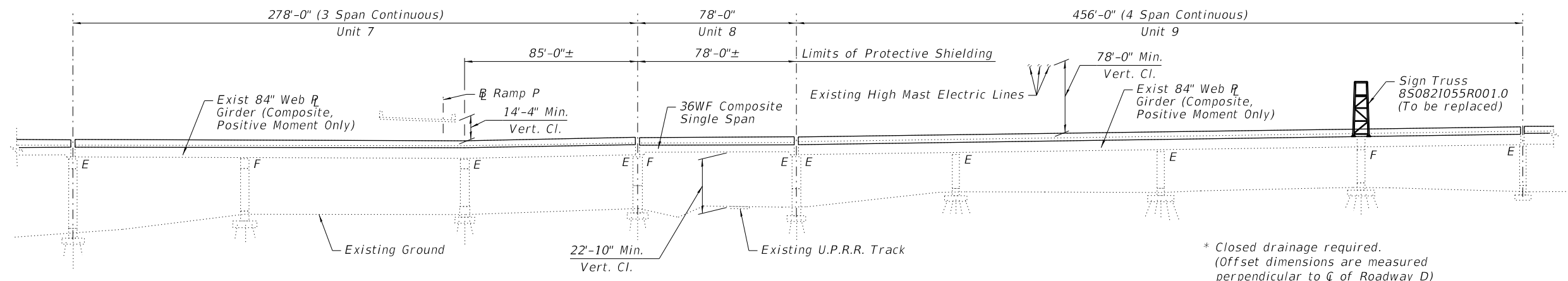
GENERAL PLAN & ELEVATION (2 OF 6)
 S.N. 082-0144

SHEET S-3 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76B55				

ILLINOIS FED. AID PROJECT

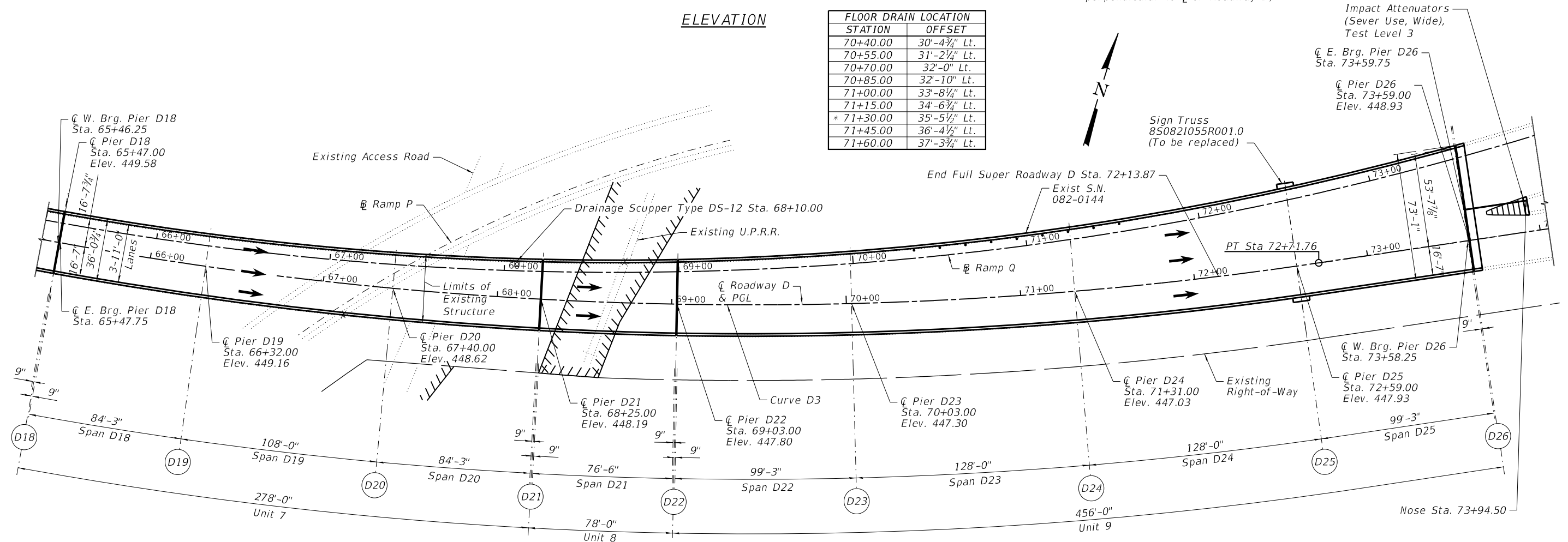
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ELEVATION

FLOOR DRAIN LOCATION	
STATION	OFFSET
70+40.00	30'-4 ³ / ₄ " Lt.
70+55.00	31'-2 ¹ / ₄ " Lt.
70+70.00	32'-0" Lt.
70+85.00	32'-10" Lt.
71+00.00	33'-8 ¹ / ₄ " Lt.
71+15.00	34'-6 ³ / ₄ " Lt.
* 71+30.00	35'-5 ¹ / ₂ " Lt.
71+45.00	36'-4 ¹ / ₂ " Lt.
71+60.00	37'-3 ³ / ₄ " Lt.

* Closed drainage required.
 (Offset dimensions are measured perpendicular to \bar{C} of Roadway D)



PLAN (SPANS D18 - D25)
 Longitudinal dimensions measured along \bar{C} Roadway D

Notes:
 Offset dimensions are measured radial to centerline of Roadway D.
 No freefall deck drains will be permitted in span D21 over the railroad ROW or within 10 ft. of cross arms of a railroad pole line.

LEGEND:
 X Point of Min. Vert. Clearance



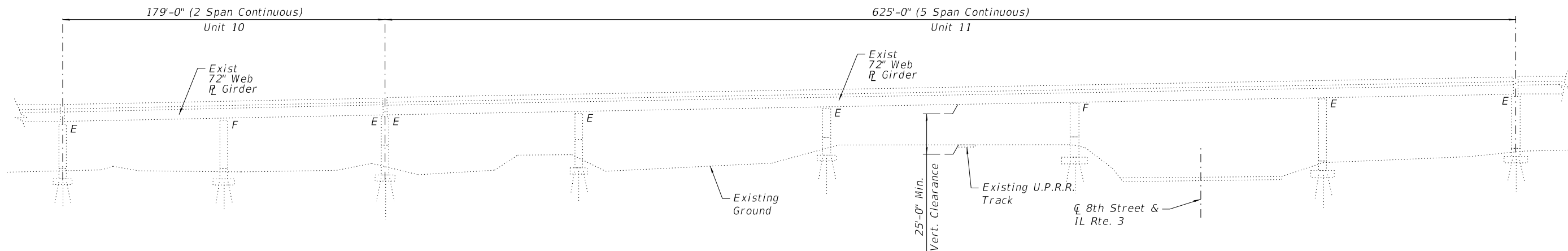
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

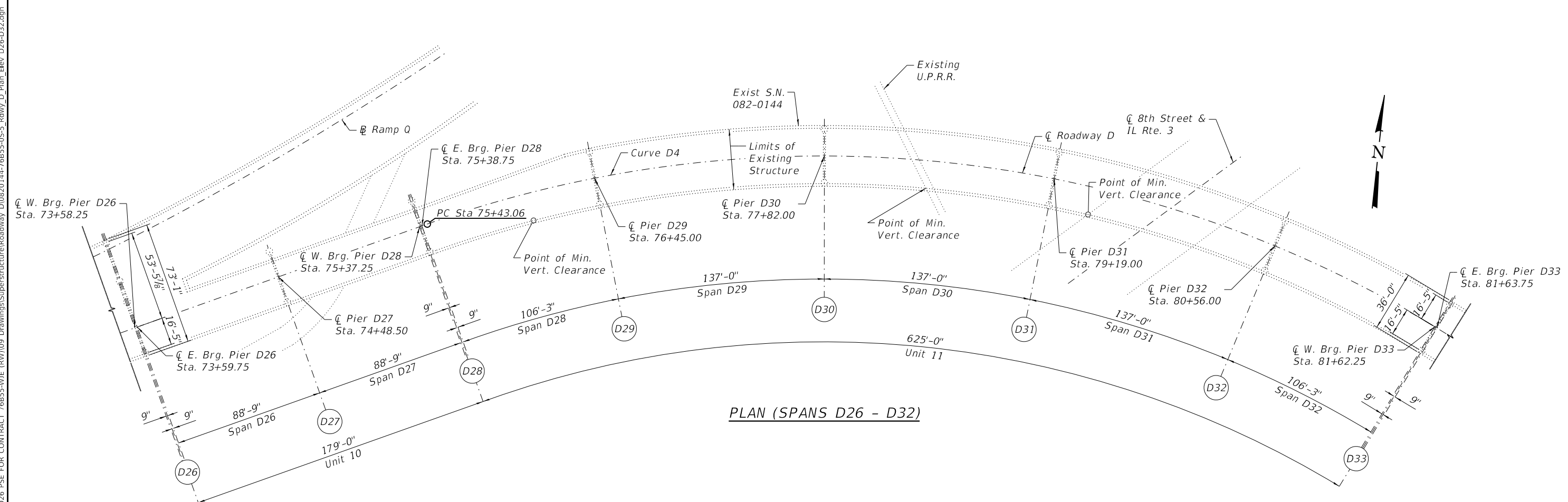
**GENERAL PLAN & ELEVATION (3 OF 6)
 S.N. 082-0144**

SHEET S-4 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV2R-14-1	ST. CLAIR	361	83
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN (SPANS D26 - D32)

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WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
 Wss, Janney, Elstner Associates, Inc.
 330 Pfingsten Road
 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax
 www.wje.com

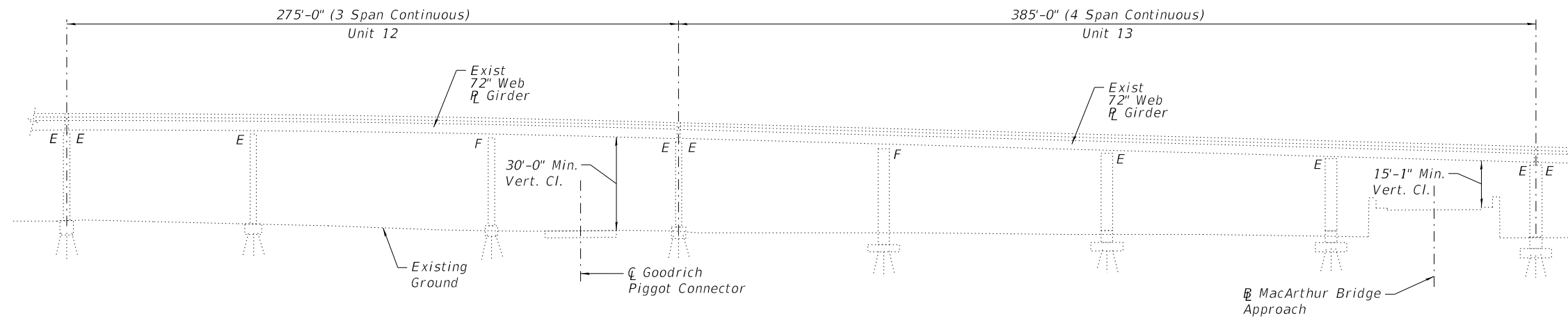
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

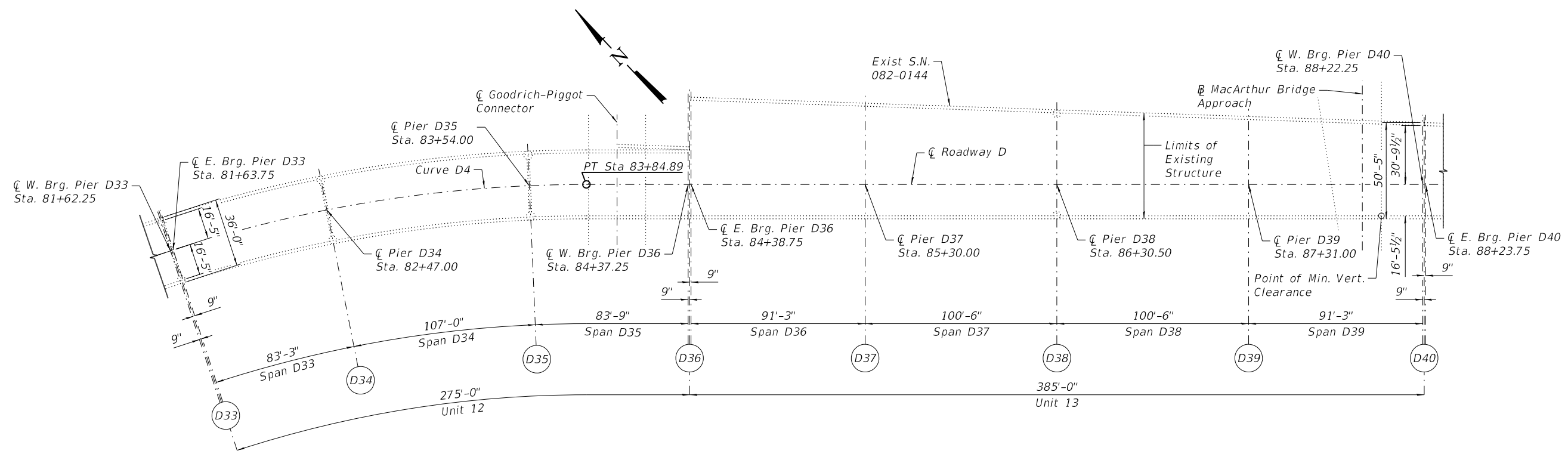
GENERAL PLAN & ELEVATION (4 OF 6)
S.N. 082-0144

SHEET S-5 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	84
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN (SPANS D33 - D39)

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WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
 Wss, Janney, Elstner Associates, Inc.
 330 Plingsten Road
 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax
 www.wje.com

USER NAME = Isalas	DESIGNED - ARB	REVISED -
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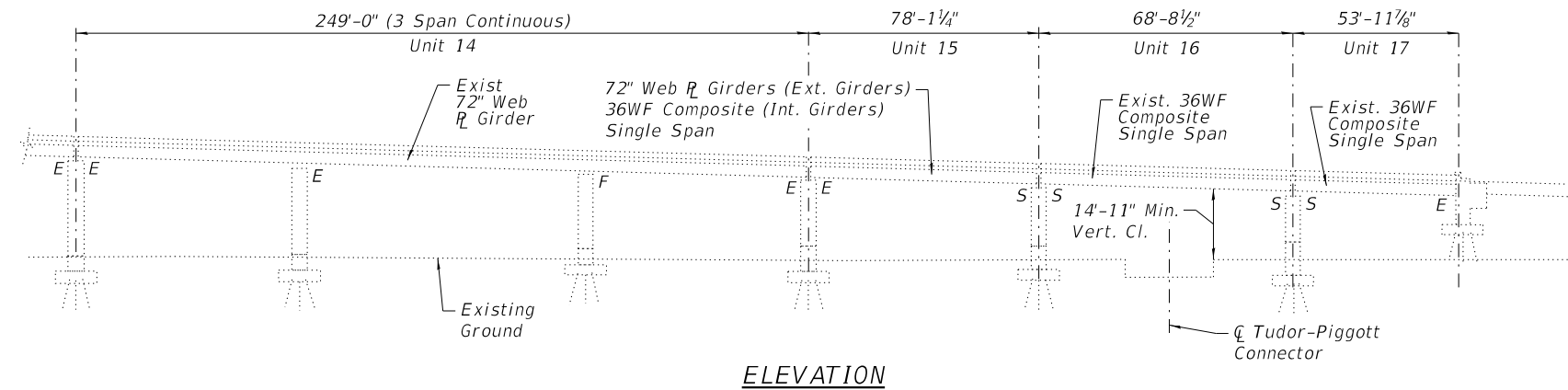
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION (5 OF 6)
 S.N. 082-0144**

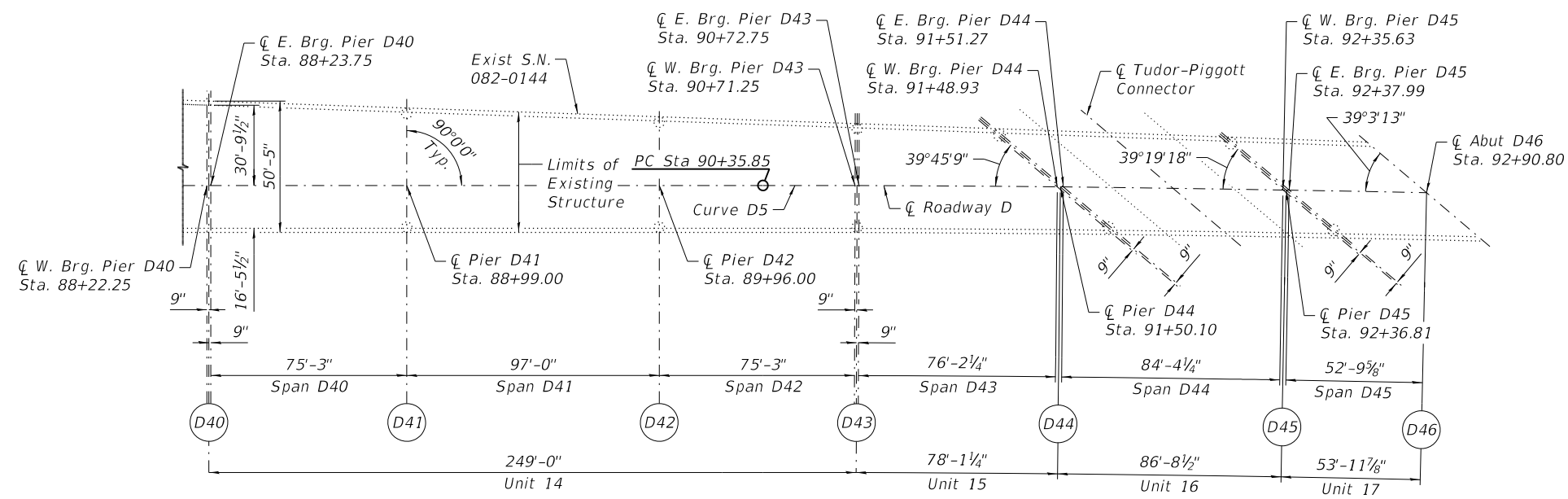
SHEET S-6 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

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ELEVATION



PLAN (SPANS D40 - D45)

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
 Wss, Janney, Elstner Associates, Inc.
 330 Pfingsten Road
 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax
 www.wje.com

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PLOT DATE = 7/15/2020	DRAWN - LS	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION (6 OF 6)
 S.N. 082-0144**

SHEET S-7 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	86
CONTRACT NO. 76B55			ILLINOIS FED. AID PROJECT	

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	102.1		102.1
Removal Of Existing Concrete Deck No. 1	Each	1		1
Protective Shield	Sq Yd	3,217		3,217
Floor Drains	Each	35		35
Concrete Superstructure	Cu Yd	3,639.0		3,639.0
Protective Coat	Sq Yd	13,965		13,965
Furnishing And Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	31,290		31,290
Reinforcement Bars, Epoxy Coated	Pound	1,125,080		1,125,080
Bar Splicers	Each	116		116
Name Plates	Each	1		1
Preformed Joint Seal 1 1/4"	Foot	34.0		34.0
Preformed Joint Seal 2"	Foot	4.0		4.0
Preformed Joint Strip Seal	Foot	536.0		536.0
Finger Plate Expansion Joint, 4"	Foot	211		211
Fabric Reinforced Elastomeric Trough	Foot	290		290
Epoxy Crack Injection	Foot		277	277
Conduit Support System	L Sum	1		1
Fiber Wrap	Sq Ft		305	305
Column Tensioned Strands	Each		70	70
Cable Protection	Each		2	2
Bridge Deck Grooving (Longitudinal)	Sq Yd	9,840		9,840
Bridge Deck Concrete Sealer	Sq Ft	87,203		87,203
Sign Support Special	Each	4		4
Structural Steel Repair	Pound	114,790		114,790
Cleaning Drainage System	L Sum	0.55		0.55
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft		3,361	3,361
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft		400	400
Deck Drain Extensions	Each	13		13
Deck Slab Repair (Full Depth, Type I)	Sq Yd	76		76
Deck Slab Repair (Full Depth, Type II)	Sq Yd	76		76
Deck Slab Repair (Partial)	Sq Yd	1,210		1,210
Drainage Scuppers (Special)	Each	3		3
Drainage Scuppers, DS-12	Each	53		53
Drainage System	L Sum		1	1
Diamond Grinding (Bridge Section)	Sq Yd	9,027		9,027
Temporary Shoring And Cribbing	Each		5	5

STATION 49+55.73
 RE-BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.I. RTE. 70
 SEC. 82-3HVB-2R-1-I-1
 LOADING HS20-44
 STRUCTURE NO. 082-0144

NAME PLATE
 See Std. 515001

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PLOT DATE = 7/17/2020	DRAWN - JMP	REVISED -
	CHECKED - AMD	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA 1
 S.N. 082-0144**

SHEET S-8 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-1-I-1	ST. CLAIR	361	87
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES:

- Plan dimensions and details relative to the 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 work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall exercise extreme caution with demolition activities to prevent damage to the existing structure. Any damage from the construction activities shall be repaired at the Contractor's expense.
- The Contractor shall field verify all proposed structural plate and angle dimensions and spacing of holes prior to ordering steel.
- No field welding is permitted, except as specified in the contract documents.
- Fasteners shall be ASTM F3125 Grade A325, mechanically galvanized bolts. Bolts shall be 7/8 in. diameter and placed in 1 5/16 in. diameter holes, unless noted otherwise.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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 with Furnishing and Erecting Structural Steel or Structural Steel Repair, as appropriate. All faying surfaces of bolted connections must meet the requirements for a Class A surface, as defined by AASHTO.
- All new structural steel shall be hot-dip galvanized and painted. See Special Provisions for "Hot Dip Galvanizing for Structural Steel."
- Calculated weight of Structural Steel for the lump sum pay item Furnishing and Erecting Structural Steel = 11,890 pounds. All steel for this pay item shall be AASHTO M270 Grade 36.11.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign materials shall be removed from the surface in contact with concrete. Tightly adhered paint may remain unless noted otherwise. Removal shall be accomplished by methods that will not damage the steel, with cost included in "Removal of Existing Concrete Deck."
- As directed by the Engineer, existing construction accessories, including existing metal deck accessories, welded to the top flange of beams, stringers, and girders shall be removed at locations of deck replacement or full thickness patching. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding, and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- Reinforcing bars shall conform to the requirements of ASTM A 706 Grade 60 and ASTM A 775.
- The finger plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.

CONCRETE REPAIR NOTES

- Concrete deck repair areas as shown in the drawings are based on a chain drag survey conducted in April 2020. Substructure repair areas based on February 2016 survey.
- It is expected that actual repair areas may be different in shape, size, and location than shown on the drawings. The exact locations shall be determined by the Engineer. The Engineer shall show actual repair areas and their dimensions on as-built plans.
- Only partial depth deck repairs are anticipated in spans without full deck replacement and at locations away from joints; however, a nominal quantity of full depth repair quantities have been included for use in case removal operations extend to the bottom mat of reinforcement.
- For partial depth substructure repairs, saw cut perimeter of repair area and remove all unsound concrete and sufficient sound concrete to create minimum gaps around reinforcing bars while permitting minimum depths of concrete pours as required for anode placement.
- For full depth deck repairs near joints, saw cut perimeter of repair area and remove all concrete 3 ft from each side of the joint. If a finger joint is to be constructed, remove all concrete 5 ft from each side of the joint. Extreme caution shall be exercised while removing concrete adjacent to beams. Any damage to beams shall be repaired at the Contractor's expense. Removal of existing expansion joints and stay-in-place metal pans shall be included in the cost of concrete removal.
- Any reinforcing bars damaged during concrete removal shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with concrete removal.
- The Contractor shall take all measures necessary to ensure that no debris or other construction materials or equipment is allowed to infringe on the railroad construction envelope, per Railroad General Notes and Railroad Clearance Envelope sheets.

CONCRETE REPAIR NOTES (cont'd)

- New concrete deck surfaces adjacent to expansion joints and at deck slab repairs shall have a tined finish as per Article 420.09(e)(1) of the Standard Specifications. Cost is included with "Concrete Superstructure".
- Surface preparation and application of a concrete sealer shall extend across the entire top surface of the deck and the tops and inside vertical faces of the parapets. Note is applicable to Spans D26 thru D45.

FIELD WELDING NOTES

Field Welding:

- All field welding operations, including cleaning, testing and inspection, shall be performed in accordance with the AASHTO/AWS Bridge Welding Code D 1.5-2015 (BWC) and additional requirements as specified in these notes.
- All field welding shall be performed by the manual Shielded Metal Arc Welding (SMAW) process. Other welding processes will not be considered for approval. Welding electrodes used to perform the welding shall be E7018-H4R classification. Welding electrode storage and handling on the worksite shall be in accordance with Clause 4.5 of the BWC and shall be constantly monitored and approved by the Contractor's QC Certified Welding Inspector (CWI).
- Prior to start of the work, the Contractor shall submit to the Engineer for approval a properly prepared Welding Procedure Specification (WPS). The WPS shall include all information as required by the BWC.

Welder Qualification Tests:

- Welders proposed to perform the work shall be qualified for overhead position fillet welds in accordance with BWC requirements. Copies of welder qualification documents shall be reviewed and approved by the Contractor's QC CWI and subsequently provided to the Engineer.
- In addition, all welders shall be required to successfully complete a one-time special on-site overhead fillet weld qualification test immediately prior to start of the work. The qualification test shall be a fillet weld T- Test Plate (Option 1) as per Clause 5.23.1.4 of the BWC. Only visual and fillet weld break testing is required. Macroetch testing is not required. On-site welder qualification testing shall be administered by the Contractor's QC CWI. Cost for the additional testing shall be included with the various items of work. No additional compensation will be made to the Contractor for performing these tests.

Cleaning Prior To Welding:

- The ends of the stiffeners and the area of the floorbeam flange to be welded shall be prepared by blast cleaning to a near- white condition (SSPC 10). All corrosion and paint shall be removed for at least three (3) inches beyond the limits of the weld zone, with special attention to remove corrosion at the root of the proposed fillet welds.
- Surfaces to be welded shall be free of surface rust and meet SSPC-10 condition requirements immediately prior to welding. Should there be a delay between blast cleaning and welding that results in surface flash rusting, blast cleaning of the weld area shall be repeated.
- The Contractor's attention is directed to the fact that the existing paint coatings on the structure may contain lead and the work must comply with all applicable federal and state regulations regarding worker safety and environmental hazards for removal of lead-based coatings.

Welding Preheat:

- Preheating operations shall be in accordance with Clause 4 of the BWC. The Contractor's QC CWI shall verify and monitor minimum preheat and interpass temperatures.

Weld Quality:

- All welds shall be visually inspected and approved by the Contractor's QC CWI.
- Weld quality shall meet the requirements of Clause 6.26 of the BWC. Fillet weld toe undercut shall not exceed 0.010 inches on the floorbeam flange and 1/32 inches on the stiffener.

FIELD WELDING NOTES (cont'd)

Non-Destructive Testing (NDT) of Welds:

- After visual inspection and approval by the Contractor's QC CWI, all welds shall be 100% inspected by Magnetic Particle Testing (MT). Personnel performing the MT and testing procedures shall be in accordance with Clause 6 of the BWC.
- The Contractor's QC CWI shall verify qualifications of the NDT personnel, witness all MT testing and countersign all MT reports. Copies of completed MT reports shall be provided to the Engineer. Costs for NDT shall be borne by the Contractor and included in the various items of work. No separate payment will be made for NDT.

Quality Control (QC) Inspection:

- All phases of the work including cleaning, welding and testing shall be witnessed, inspected and approved by an inspector who is qualified as a Certified Welding Inspector (CWI) by the American Welding Society. Reference Clause 6 of the BWC.
- The CWI shall be employed/engaged by the Contractor and costs will be included with the various items of work. No separate payment will be made for inspection costs. Scheduling of QC CWI inspection is the Contractor's responsibility.
- Should the Contractor elect to perform work in multiple locations on the structure, a sufficient number of CWI's shall be made available to provide inspection at each work site location. The number of inspectors assigned and work locations shall be approved by the Engineer.
- The Contractor's QC CWI shall prepare daily reports, suitable to the Engineer, which document the work inspected and welds approved. Field Welding of Stiffeners shall be paid for at the contract unit price per each which shall include the required field welding on both sides of an individual bearing stiffener. The contract unit price per each shall include all materials, equipment and labor required for surface preparation, welding, follow-up pointing, welding qualification testing, and quality control inspection, including non-destructive testing.

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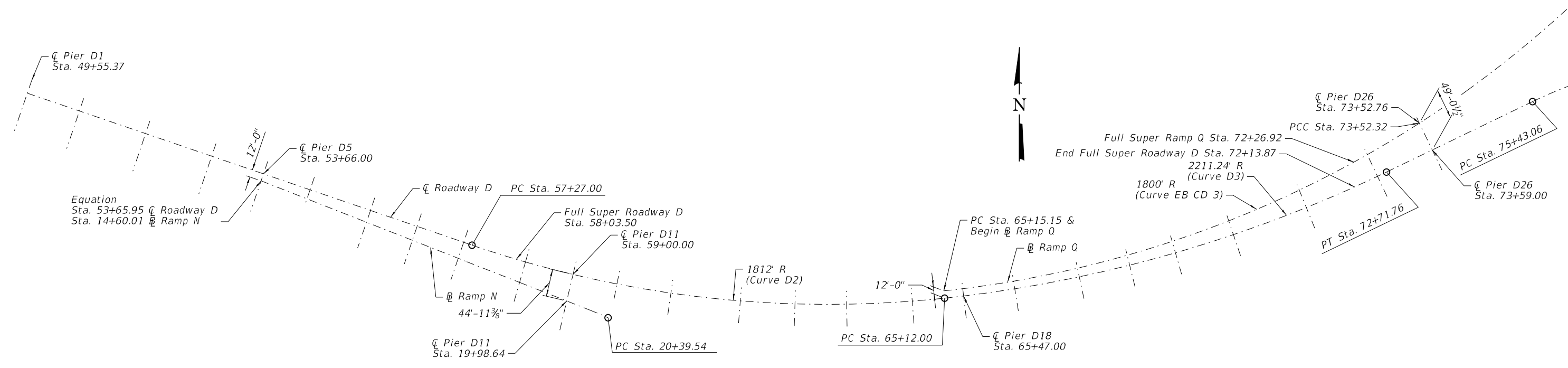
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA 2
S.N. 082-0144**

SHEET S-9 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	88
CONTRACT NO. 76B55				
		ILLINOIS	FED. AID PROJECT	

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OFFSET SKETCH

CURVE D2 DATA

P.I. Sta. = 61+25.76
 $\Delta = 24^\circ 49' 19''$
 $D = 3^\circ 09' 43''$
 $R = 1,812.00'$
 $L = 785.00'$
 $T = 398.76'$
 $E = 43.36'$
 $e = 8.00\%$
 P.C. Sta. = 57+27.00
 P.T. Sta. = 65+12.00

CURVE D3 DATA

P.I. Sta. = 68+95.66
 $\Delta = 19^\circ 41' 10''$
 $D = 2^\circ 35' 28''$
 $R = 2,211.24'$
 $L = 759.76'$
 $T = 383.66'$
 $E = 33.04'$
 P.C. Sta. = 65+12.00
 P.T. Sta. = 72+71.76

CURVE EB CD 3 DATA
 (Ramp Q)

P.I. Sta. = 69+41.61
 $\Delta = 26^\circ 38' 13''$
 $D = 3^\circ 10' 59''$
 $R = 1,800.00'$
 $L = 836.82'$
 $T = 426.11'$
 $E = 49.75'$
 P.C. Sta. = 65+15.15
 P.C.C. Sta. = 73+52.32

CURVE D4 DATA

P.I. Sta. = 80+23.30
 $\Delta = 68^\circ 54' 17''$
 $D = 8^\circ 11' 06''$
 $R = 700.00'$
 $L = 841.83'$
 $T = 480.24'$
 $E = 148.90'$
 $e = 8.00\%$
 P.C. Sta. = 75+43.06
 P.T. Sta. = 83+84.89

CURVE D5 DATA

P.I. Sta. = 92+35.85
 $\Delta = 1^\circ 59' 12''$
 $D = 0^\circ 29' 48''$
 $R = 11,535.00'$
 $L = 399.96'$
 $T = 200.00'$
 $E = 1.73'$
 P.C. Sta. = 90+35.85
 P.T. Sta. = 94+35.81

Notes:
 Offset dimensions are measured radial to centerline of Roadway D.



USER NAME = jmpattison	DESIGNED - JMP	REVISED -
	CHECKED - AMD	REVISED -
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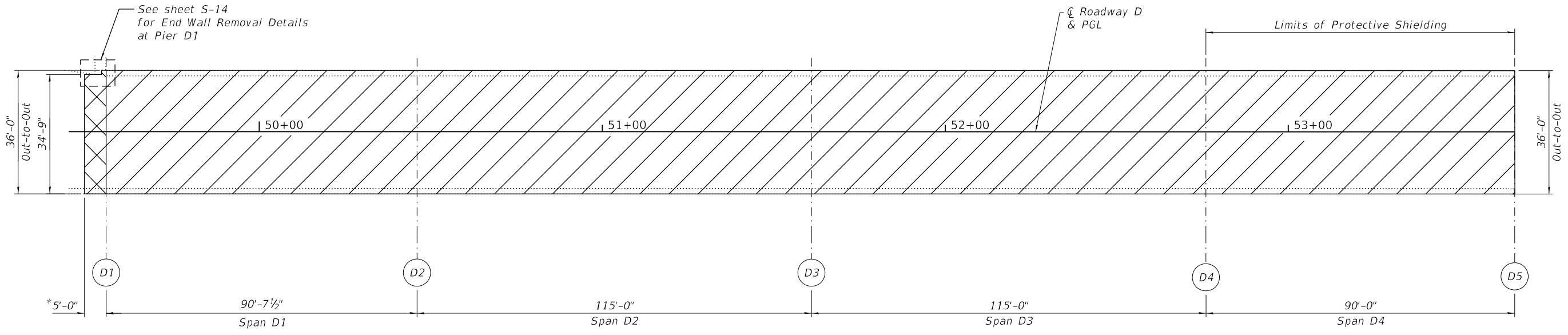
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OFFSET SKETCH
 S.N. 082-0144

SHEET S-10 OF S-183 SHEETS

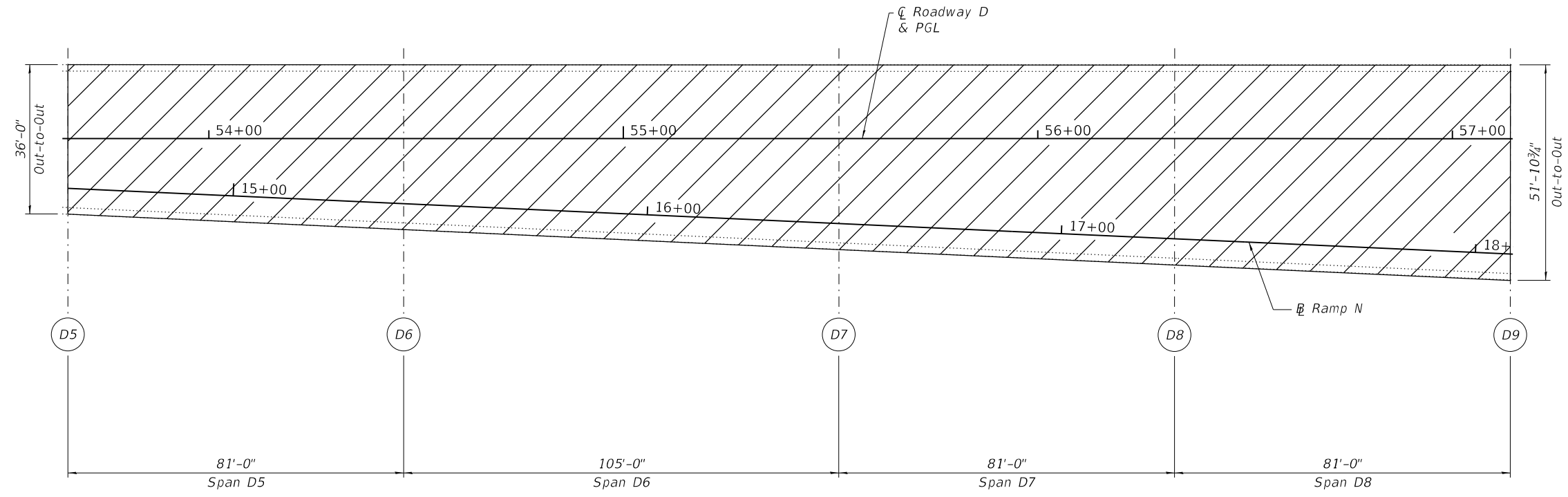
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CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

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* Existing longitudinal deck and parapet reinforcement extending into the 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.

REMOVAL PLAN - DECK SPANS D1 TO D4



REMOVAL PLAN - DECK SPANS D5 TO D8

LEGEND

- Removal of Existing Concrete Deck
- Concrete Removal

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq Yd	357
Concrete Removal	Cu Yd	4.9



USER NAME = jmpattison	DESIGNED - RVV	REVISED -
PLOT SCALE = 32,0000' / in.	CHECKED - JMP	REVISED -
PLOT DATE = 7/15/2020	DRAWN - RVV	REVISED -
	CHECKED - JMP	REVISED -

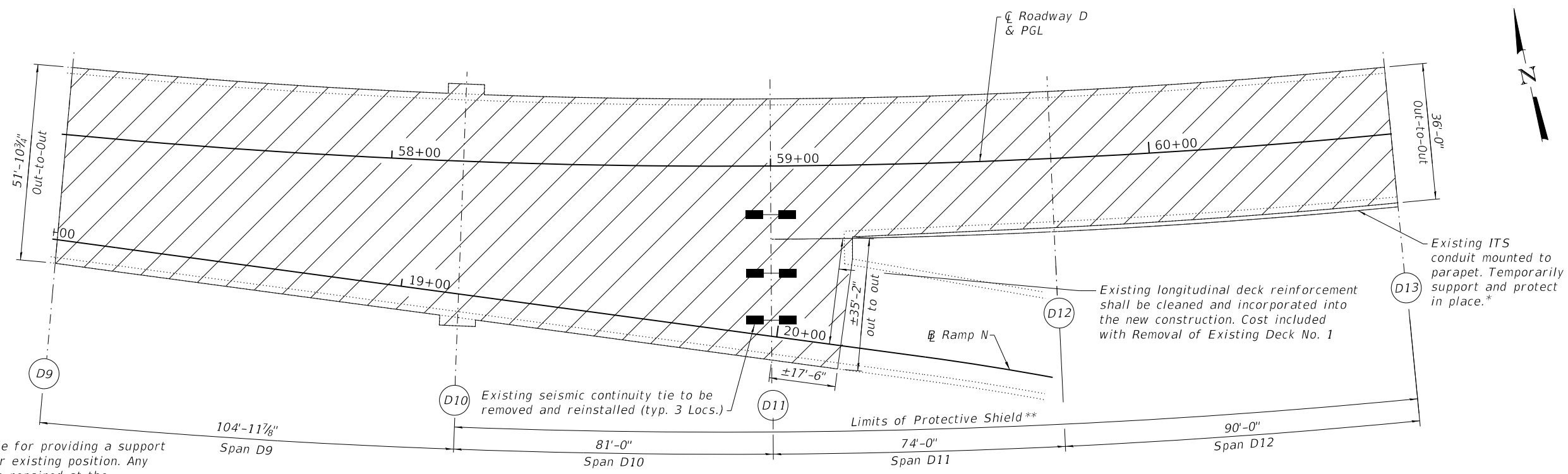
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS (SPANS D1 TO D8)
 S.N. 082-0144**

SHEET S-11 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	90
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

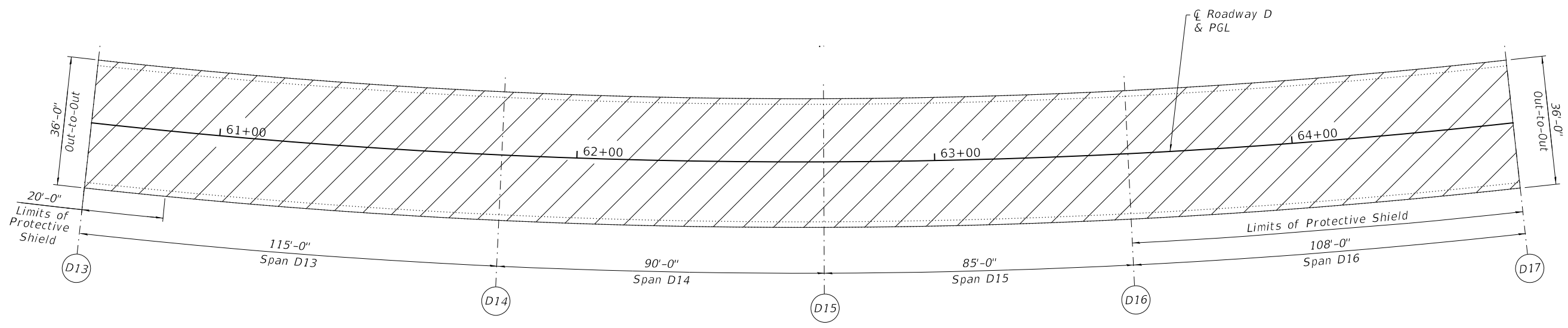
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
REMOVAL PLAN - DECK SPANS D9 TO D12

* The Contractor is responsible for providing a support system for the conduit in their existing position. Any damage to the conduit must be repaired at the Contractor's expense. All labor and material cost of the installation and removal of temporary support system for the ducts and installation of permanent support is to be paid for at the contract unit price LUMP SUMP for Conduit Support System.

**Protective Shield to extend 5 ft. beyond deck removal limits for Ramp N.



REMOVAL PLAN - DECK SPANS D13 TO D16

LEGEND
 Removal of Existing Concrete Deck

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq Yd	1,815



USER NAME = jmpattison	DESIGNED - RVV	REVISED -
PLOT SCALE = 32,0000' / in.	CHECKED - JMP	REVISED -
PLOT DATE = 7/15/2020	DRAWN - RVV	REVISED -
	CHECKED - JMP	REVISED -

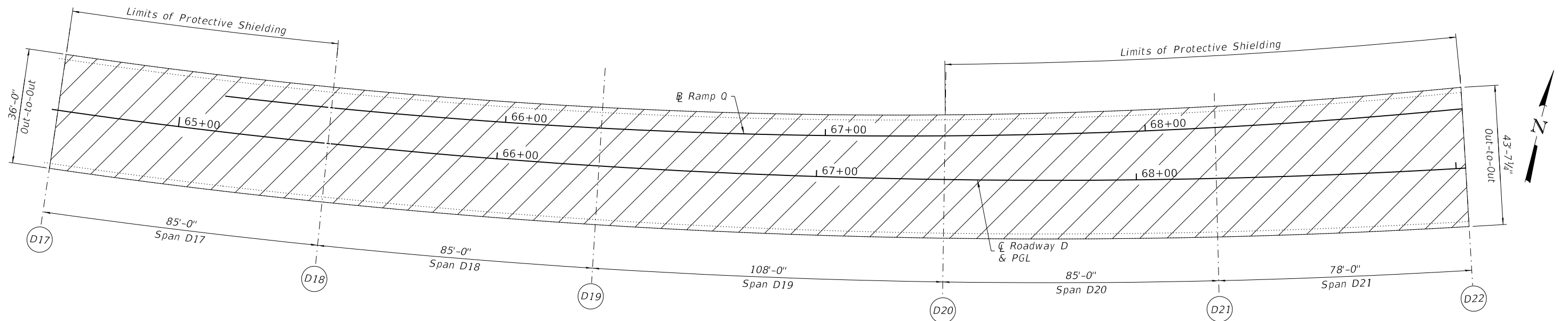
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS (SPANS D9 TO D16)
 S.N. 082-0144**

SHEET S-12 OF S-183 SHEETS

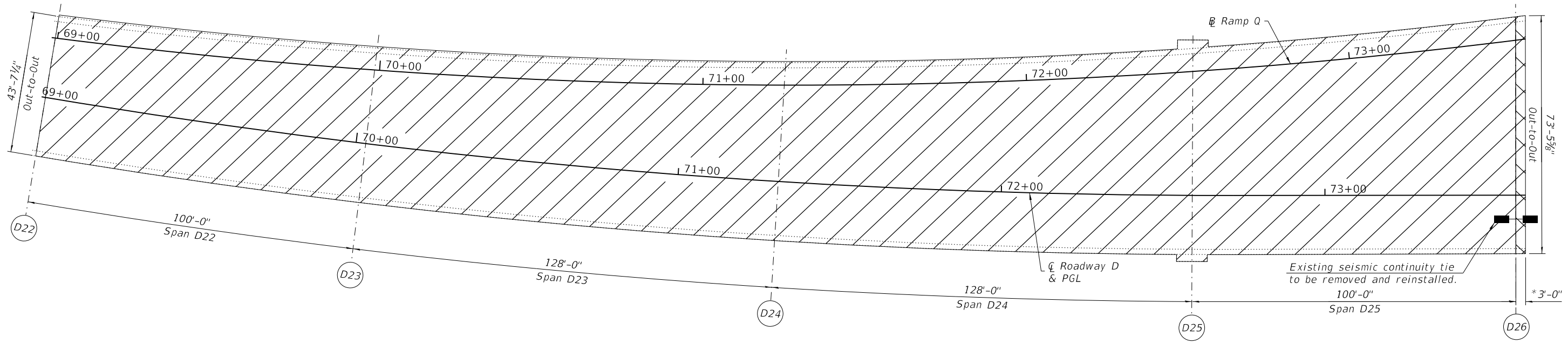
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	91
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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REMOVAL PLAN - DECK SPANS 18 TO 21

* Existing longitudinal deck and parapet reinforcement extending into the 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.



REMOVAL PLAN - DECK SPANS 22 TO 25

LEGEND

- Removal of Existing Concrete Deck
- Concrete Removal

BILL OF MATERIAL

Item	Unit	Total
Protective Shield	Sq Yd	1,045
Concrete Removal	Cu Yd	5.9



USER NAME = jmpattison	DESIGNED - RVV	REVISED -
PLOT SCALE = 32,0003' / in.	CHECKED - JMP	REVISED -
PLOT DATE = 7/15/2020	DRAWN - RVV	REVISED -
	CHECKED - JMP	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

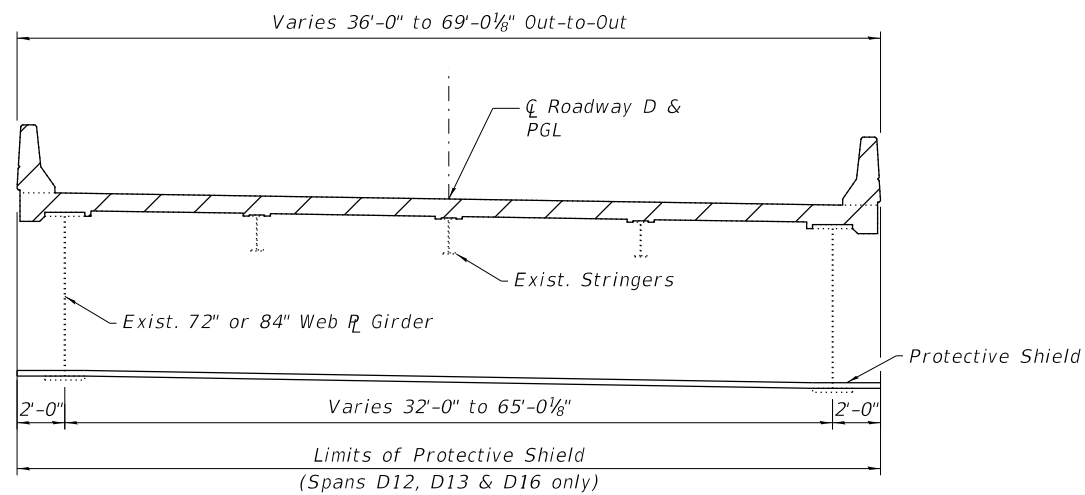
**REMOVAL PLANS (SPANS D17 TO D25)
 S.N. 082-0144**

SHEET S-13 OF S-183 SHEETS

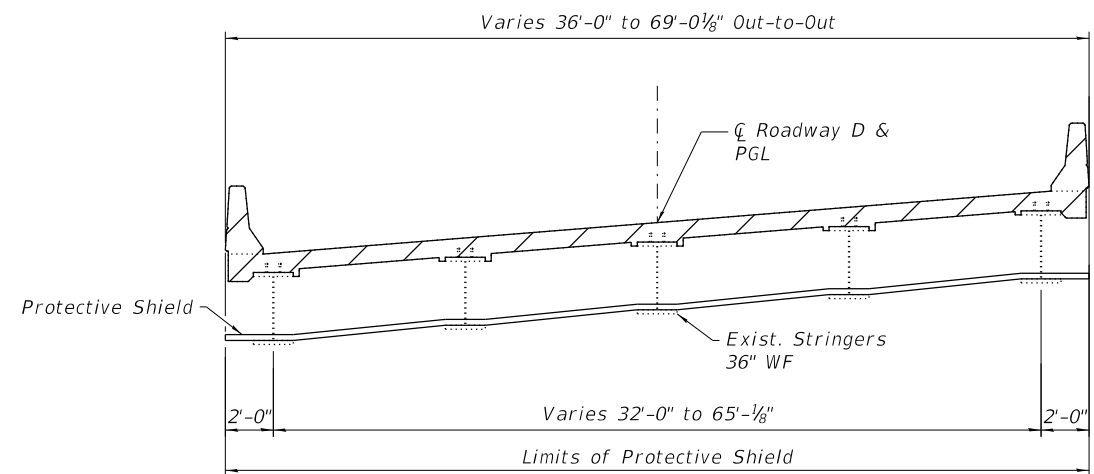
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	92
CONTRACT NO. 76B55				

ILLINOIS FED. AID PROJECT

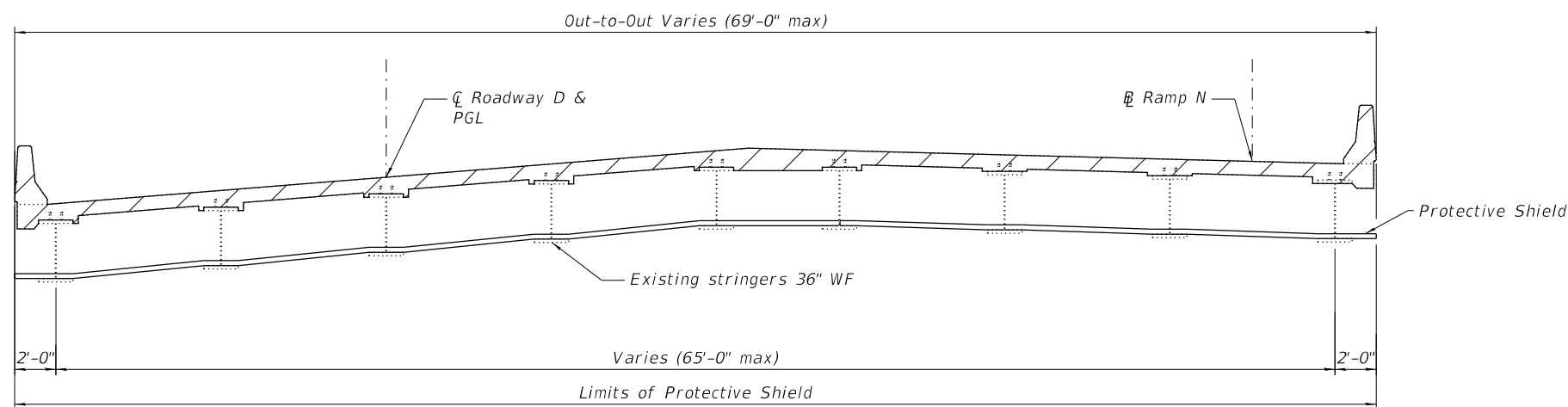
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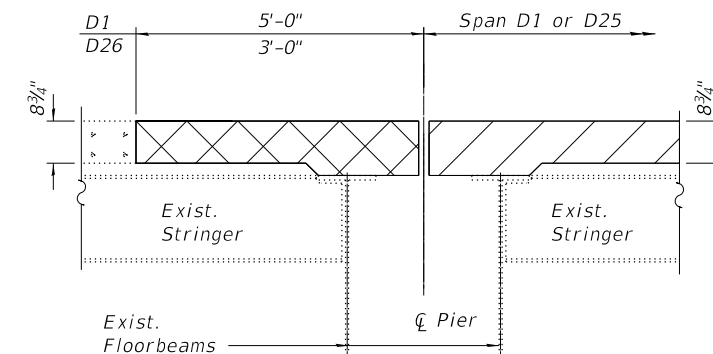
TYPICAL SECTION



TYPICAL SECTION - UNIT 8

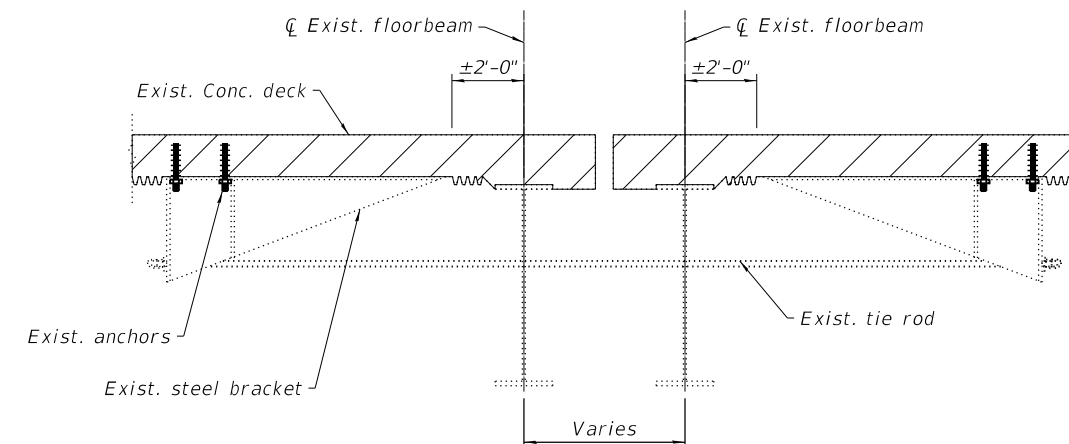
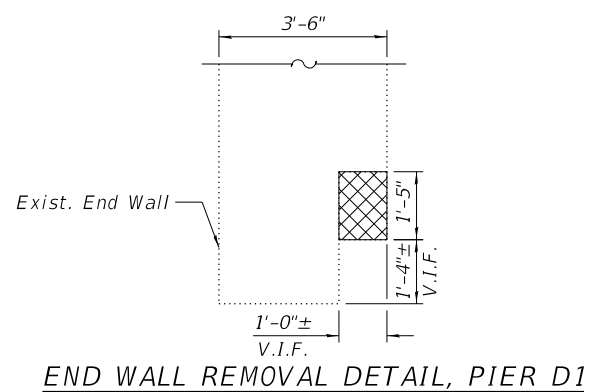


TYPICAL SECTION - UNIT 4



JOINT REMOVAL DETAIL AT PIER D1 AND D26

(Pier D1 looking north and D26 looking south)



EXISTING SEISMIC CONTINUITY TIE DETAIL

LEGEND

- Removal of Existing Concrete Deck
- Concrete Removal

Note:
 Existing deck includes concrete filled stay-in-place forms and fillet heights up to 16" tall. Removal of existing stay-in-place forms and fillets are included with Removal of Existing Concrete Deck and Concrete Removal.



USER NAME = jmpattison	DESIGNED - RVV	REVISED -
	CHECKED - JMP	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - RVV	REVISED -
PLOT DATE = 7/15/2020	CHECKED - JMP	REVISED -

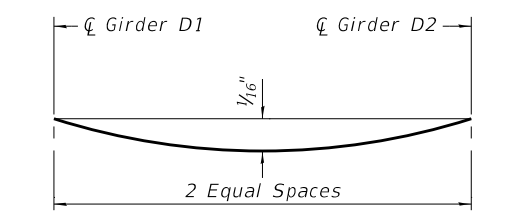
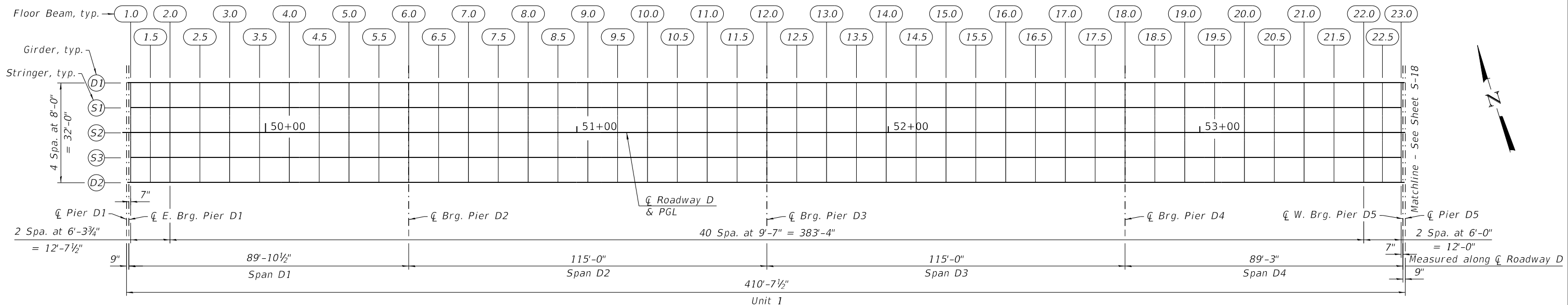
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL DETAILS
 S.N. 082-0144**

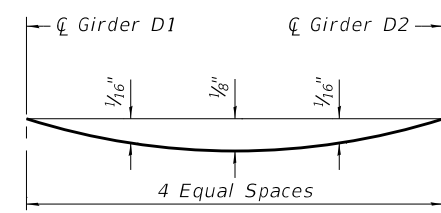
SHEET S-14 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	93
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

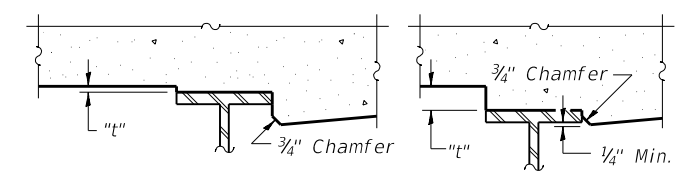
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DEAD LOAD DEFLECTION DIAGRAM FOR FLOORBEAMS 1 AND 23
 (Includes weight of concrete only.)



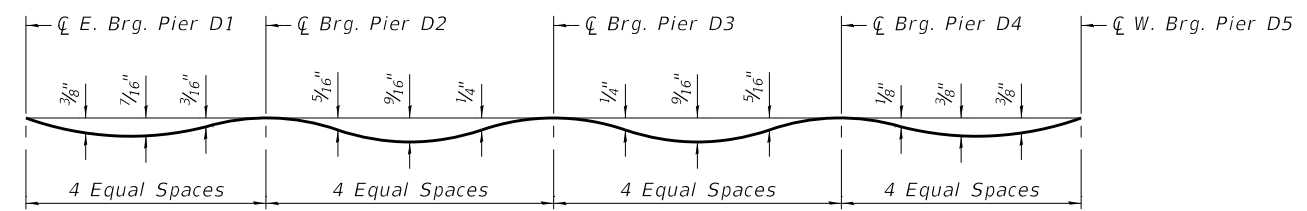
DEAD LOAD DEFLECTION DIAGRAM FOR FLOORBEAMS 2 THRU 22
 (Includes weight of concrete only.)



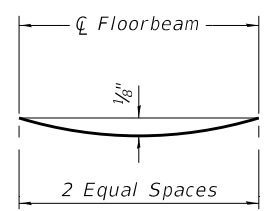
To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on sheets S-16 thru S-17, minus the initial slab thickness prior to grinding, equals the fillet heights "t" above top flange of beams.

The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on sheets S-16 thru S-17. For grinding the deck, see Special Provisions.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM FOR GIRDERS D1 AND D2
 (Includes weight of concrete only.)



DEAD LOAD DEFLECTION DIAGRAM FOR STRINGERS S1 THRU S3
 (Includes weight of concrete only.)

Note:
 The deflections below are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets S-16 thru S-17.
 Dead load deflection assumes a continuous deck pour sequence in the direction of increasing station.
 The centerline of expansion joints are located at the centerline of the pier.



USER NAME = jmpattison	DESIGNED - WJC	REVISED -
PLOT SCALE = 32.0000' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 7/15/2020	DRAWN - RVV	REVISED -
	CHECKED - MDS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UNIT 1 - TOP OF SLAB LAYOUT
 S.N. 082-0144

SHEET S-15 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	94
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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GIRDER D1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D1	49+55.37	-16.00	451.63	451.66
CL E. Brg. Pier D1	49+56.12	-16.00	451.61	451.63
1.0	49+56.70	-16.00	451.59	451.61
1.5	49+63.02	-16.00	451.40	451.43
2.0	49+69.33	-16.00	451.21	451.25
2.5	49+78.92	-16.00	450.93	450.97
3.0	49+88.50	-16.00	450.65	450.70
3.5	49+98.08	-16.00	450.39	450.44
4.0	50+07.67	-16.00	450.13	450.18
4.5	50+17.25	-16.00	449.88	449.92
5.0	50+26.83	-16.00	449.64	449.67
5.5	50+36.42	-16.00	449.41	449.44
CL Pier D2	50+46.00	-16.00	449.19	449.21
6.5	50+55.58	-16.00	448.97	449.00
7.0	50+65.17	-16.00	448.77	448.80
7.5	50+74.75	-16.00	448.57	448.61
8.0	50+84.33	-16.00	448.38	448.43
8.5	50+93.92	-16.00	448.20	448.25
9.0	51+03.50	-16.00	448.02	448.08
9.5	51+13.08	-16.00	447.86	447.91
10.0	51+22.67	-16.00	447.70	447.75
10.5	51+32.25	-16.00	447.55	447.59
11.0	51+41.83	-16.00	447.41	447.44
11.5	51+51.42	-16.00	447.28	447.30
CL Pier D3	51+61.00	-16.00	447.16	447.18
12.5	51+70.58	-16.00	447.04	447.07
13.0	51+80.17	-16.00	446.94	446.97
13.5	51+89.75	-16.00	446.84	446.88
14.0	51+99.33	-16.00	446.75	446.79
14.5	52+08.92	-16.00	446.66	446.72
15.0	52+18.50	-16.00	446.59	446.65
15.5	52+28.08	-16.00	446.53	446.58
16.0	52+37.67	-16.00	446.47	446.52
16.5	52+47.25	-16.00	446.42	446.46
17.0	52+56.83	-16.00	446.38	446.41
17.5	52+66.42	-16.00	446.35	446.37
CL Pier D4	52+76.00	-16.00	446.32	446.35
18.5	52+85.58	-16.00	446.31	446.33
19.0	52+95.17	-16.00	446.30	446.33
19.5	53+04.75	-16.00	446.30	446.34
20.0	53+14.33	-16.00	446.31	446.36
20.5	53+23.92	-16.00	446.33	446.38
21.0	53+33.50	-16.00	446.36	446.41
21.5	53+43.08	-16.00	446.39	446.44
22.0	53+52.67	-16.00	446.43	446.47
22.5	53+58.67	-16.00	446.46	446.49
23.0	53+64.67	-16.00	446.49	446.52
CL W. Brg. Pier D5	53+65.25	-16.00	446.50	446.52
CL Pier D5	53+66.00	-16.00	446.50	446.52

GIRDER S1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D1	49+55.37	-8.00	451.51	451.53
CL E. Brg. Pier D1	49+56.12	-8.00	451.49	451.51
1.0	49+56.70	-8.00	451.47	451.49
1.5	49+63.02	-8.00	451.27	451.31
2.0	49+69.33	-8.00	451.08	451.13
2.5	49+78.92	-8.00	450.80	450.86
3.0	49+88.50	-8.00	450.53	450.59
3.5	49+98.08	-8.00	450.26	450.32
4.0	50+07.67	-8.00	450.01	450.06
4.5	50+17.25	-8.00	449.76	449.81
5.0	50+26.83	-8.00	449.52	449.55
5.5	50+36.42	-8.00	449.29	449.32
CL Pier D2	50+46.00	-8.00	449.06	449.09
6.5	50+55.58	-8.00	448.85	448.88
7.0	50+65.17	-8.00	448.64	448.68
7.5	50+74.75	-8.00	448.44	448.49
8.0	50+84.33	-8.00	448.25	448.31
8.5	50+93.92	-8.00	448.07	448.13
9.0	51+03.50	-8.00	447.90	447.96
9.5	51+13.08	-8.00	447.73	447.79
10.0	51+22.67	-8.00	447.58	447.63
10.5	51+32.25	-8.00	447.43	447.47
11.0	51+41.83	-8.00	447.29	447.32
11.5	51+51.42	-8.00	447.16	447.19
CL Pier D3	51+61.00	-8.00	447.03	447.06
12.5	51+70.58	-8.00	446.92	446.95
13.0	51+80.17	-8.00	446.81	446.85
13.5	51+89.75	-8.00	446.71	446.76
14.0	51+99.33	-8.00	446.62	446.67
14.5	52+08.92	-8.00	446.54	446.60
15.0	52+18.50	-8.00	446.47	446.53
15.5	52+28.08	-8.00	446.40	446.46
16.0	52+37.67	-8.00	446.34	446.40
16.5	52+47.25	-8.00	446.30	446.34
17.0	52+56.83	-8.00	446.26	446.29
17.5	52+66.42	-8.00	446.22	446.25
CL Pier D4	52+76.00	-8.00	446.20	446.23
18.5	52+85.58	-8.00	446.18	446.21
19.0	52+95.17	-8.00	446.18	446.21
19.5	53+04.75	-8.00	446.18	446.22
20.0	53+14.33	-8.00	446.19	446.24
20.5	53+23.92	-8.00	446.21	446.26
21.0	53+33.50	-8.00	446.23	446.29
21.5	53+43.08	-8.00	446.27	446.32
22.0	53+52.67	-8.00	446.31	446.35
22.5	53+58.67	-8.00	446.34	446.37
23.0	53+64.67	-8.00	446.37	446.39
CL W. Brg. Pier D5	53+65.25	-8.00	446.37	446.40
CL Pier D5	53+66.00	-8.00	446.38	446.40

STRINGER S2 & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D1	49+55.37	0.00	451.38	451.41
CL E. Brg. Pier D1	49+56.12	0.00	451.36	451.39
1.0	49+56.70	0.00	451.34	451.37
1.5	49+63.02	0.00	451.15	451.18
2.0	49+69.33	0.00	450.96	451.00
2.5	49+78.92	0.00	450.68	450.74
3.0	49+88.50	0.00	450.40	450.46
3.5	49+98.08	0.00	450.14	450.20
4.0	50+07.67	0.00	449.88	449.94
4.5	50+17.25	0.00	449.63	449.68
5.0	50+26.83	0.00	449.39	449.43
5.5	50+36.42	0.00	449.16	449.20
CL Pier D2	50+46.00	0.00	448.94	448.97
6.5	50+55.58	0.00	448.72	448.76
7.0	50+65.17	0.00	448.52	448.56
7.5	50+74.75	0.00	448.32	448.37
8.0	50+84.33	0.00	448.13	448.18
8.5	50+93.92	0.00	447.95	448.01
9.0	51+03.50	0.00	447.77	447.84
9.5	51+13.08	0.00	447.61	447.67
10.0	51+22.67	0.00	447.45	447.51
10.5	51+32.25	0.00	447.30	447.35
11.0	51+41.83	0.00	447.16	447.20
11.5	51+51.42	0.00	447.03	447.06
CL Pier D3	51+61.00	0.00	446.91	446.94
12.5	51+70.58	0.00	446.79	446.83
13.0	51+80.17	0.00	446.69	446.72
13.5	51+89.75	0.00	446.59	446.64
14.0	51+99.33	0.00	446.50	446.55
14.5	52+08.92	0.00	446.42	446.48
15.0	52+18.50	0.00	446.34	446.40
15.5	52+28.08	0.00	446.28	446.34
16.0	52+37.67	0.00	446.22	446.27
16.5	52+47.25	0.00	446.17	446.22
17.0	52+56.83	0.00	446.13	446.17
17.5	52+66.42	0.00	446.10	446.13
CL Pier D4	52+76.00	0.00	446.07	446.10
18.5	52+85.58	0.00	446.06	446.09
19.0	52+95.17	0.00	446.05	446.09
19.5	53+04.75	0.00	446.05	446.10
20.0	53+14.33	0.00	446.06	446.11
20.5	53+23.92	0.00	446.08	446.14
21.0	53+33.50	0.00	446.11	446.16
21.5	53+43.08	0.00	446.14	446.20
22.0	53+52.67	0.00	446.19	446.23
22.5	53+58.67	0.00	446.22	446.25
23.0	53+64.67	0.00	446.25	446.27
CL W. Brg. Pier D5	53+65.25	0.00	446.25	446.27
CL Pier D5	53+66.00	0.00	446.25	446.27



USER NAME = jmpattison	DESIGNED - WJC	REVISED -
CHECKED - MDS	CHECKED - MDS	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - RVV	REVISED -
PLOT DATE = 7/15/2020	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UNIT 1 - TOP OF SLAB ELEVATION TABLES (1 OF 2)
 S.N. 082-0144**

SHEET S-16 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	95
CONTRACT NO. 76B55				
ILLINOIS		FED. AID PROJECT		

STRINGER S3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D1	49+55.37	8.00	451.26	451.28
CL E. Brg. Pier D1	49+56.12	8.00	451.24	451.26
1.0	49+56.70	8.00	451.22	451.24
1.5	49+63.02	8.00	451.02	451.06
2.0	49+69.33	8.00	450.83	450.88
2.5	49+78.92	8.00	450.55	450.61
3.0	49+88.50	8.00	450.28	450.34
3.5	49+98.08	8.00	450.01	450.07
4.0	50+07.67	8.00	449.76	449.81
4.5	50+17.25	8.00	449.51	449.56
5.0	50+26.83	8.00	449.27	449.31
5.5	50+36.42	8.00	449.04	449.07
CL Pier D2	50+46.00	8.00	448.81	448.84
6.5	50+55.58	8.00	448.60	448.63
7.0	50+65.17	8.00	448.39	448.43
7.5	50+74.75	8.00	448.19	448.24
8.0	50+84.33	8.00	448.00	448.06
8.5	50+93.92	8.00	447.82	447.88
9.0	51+03.50	8.00	447.65	447.71
9.5	51+13.08	8.00	447.48	447.54
10.0	51+22.67	8.00	447.33	447.38
10.5	51+32.25	8.00	447.18	447.22
11.0	51+41.83	8.00	447.04	447.07
11.5	51+51.42	8.00	446.91	446.94
CL Pier D3	51+61.00	8.00	446.78	446.81
12.5	51+70.58	8.00	446.67	446.70
13.0	51+80.17	8.00	446.56	446.60
13.5	51+89.75	8.00	446.46	446.51
14.0	51+99.33	8.00	446.37	446.42
14.5	52+08.92	8.00	446.29	446.35
15.0	52+18.50	8.00	446.22	446.28
15.5	52+28.08	8.00	446.15	446.21
16.0	52+37.67	8.00	446.09	446.15
16.5	52+47.25	8.00	446.05	446.09
17.0	52+56.83	8.00	446.01	446.04
17.5	52+66.42	8.00	445.97	446.00
CL Pier D4	52+76.00	8.00	445.95	445.98
18.5	52+85.58	8.00	445.93	445.97
19.0	52+95.17	8.00	445.93	445.96
19.5	53+04.75	8.00	445.93	445.97
20.0	53+14.33	8.00	445.94	445.99
20.5	53+23.92	8.00	445.96	446.01
21.0	53+33.50	8.00	445.98	446.04
21.5	53+43.08	8.00	446.02	446.07
22.0	53+52.67	8.00	446.06	446.10
22.5	53+58.67	8.00	446.09	446.12
23.0	53+64.67	8.00	446.12	446.14
CL W. Brg. Pier D5	53+65.25	8.00	446.12	446.15
CL Pier D5	53+66.00	8.00	446.13	446.15

GIRDER D2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D1	49+55.37	16.00	451.14	451.16
CL E. Brg. Pier D1	49+56.12	16.00	451.11	451.13
1.0	49+56.70	16.00	451.09	451.11
1.5	49+63.02	16.00	450.90	450.93
2.0	49+69.33	16.00	450.71	450.75
2.5	49+78.92	16.00	450.43	450.48
3.0	49+88.50	16.00	450.15	450.21
3.5	49+98.08	16.00	449.89	449.94
4.0	50+07.67	16.00	449.63	449.68
4.5	50+17.25	16.00	449.38	449.42
5.0	50+26.83	16.00	449.14	449.18
5.5	50+36.42	16.00	448.91	448.94
CL Pier D2	50+46.00	16.00	448.69	448.71
6.5	50+55.58	16.00	448.47	448.50
7.0	50+65.17	16.00	448.27	448.30
7.5	50+74.75	16.00	448.07	448.11
8.0	50+84.33	16.00	447.88	447.93
8.5	50+93.92	16.00	447.70	447.75
9.0	51+03.50	16.00	447.52	447.58
9.5	51+13.08	16.00	447.36	447.41
10.0	51+22.67	16.00	447.20	447.25
10.5	51+32.25	16.00	447.05	447.09
11.0	51+41.83	16.00	446.91	446.94
11.5	51+51.42	16.00	446.78	446.80
CL Pier D3	51+61.00	16.00	446.66	446.68
12.5	51+70.58	16.00	446.54	446.57
13.0	51+80.17	16.00	446.44	446.47
13.5	51+89.75	16.00	446.34	446.38
14.0	51+99.33	16.00	446.25	446.29
14.5	52+08.92	16.00	446.17	446.22
15.0	52+18.50	16.00	446.09	446.15
15.5	52+28.08	16.00	446.03	446.08
16.0	52+37.67	16.00	445.97	446.02
16.5	52+47.25	16.00	445.92	445.96
17.0	52+56.83	16.00	445.88	445.91
17.5	52+66.42	16.00	445.85	445.87
CL Pier D4	52+76.00	16.00	445.83	445.85
18.5	52+85.58	16.00	445.81	445.83
19.0	52+95.17	16.00	445.80	445.83
19.5	53+04.75	16.00	445.80	445.84
20.0	53+14.33	16.00	445.81	445.86
20.5	53+23.92	16.00	445.83	445.88
21.0	53+33.50	16.00	445.86	445.91
21.5	53+43.08	16.00	445.89	445.94
22.0	53+52.67	16.00	445.94	445.97
22.5	53+58.67	16.00	445.97	445.99
23.0	53+64.67	16.00	446.00	446.02
CL W. Brg. Pier D5	53+65.25	16.00	446.00	446.02
CL Pier D5	53+66.00	16.00	446.00	446.02

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USER NAME =	jmpattison	DESIGNED -	WJC	REVISED -	
		CHECKED -	MDS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	RVV	REVISED -	
PLOT DATE =	7/15/2020	CHECKED -	MDS	REVISED -	

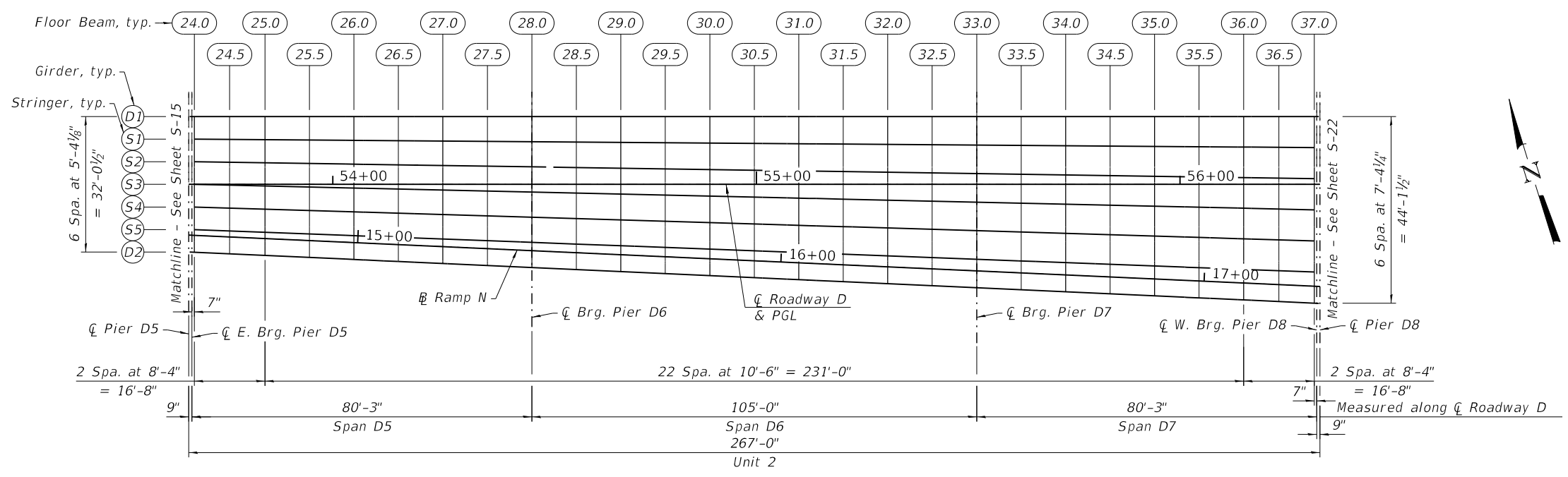
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UNIT 1 - TOP OF SLAB ELEVATION TABLES (2 OF 2)
 S.N. 082-0144**

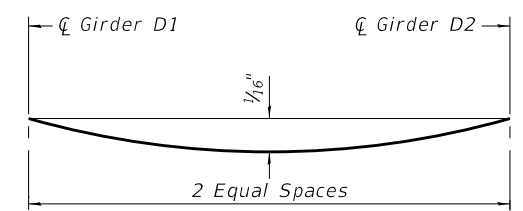
SHEET S-17 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	96
			CONTRACT NO. 76B55	
		ILLINOIS	FED. AID PROJECT	

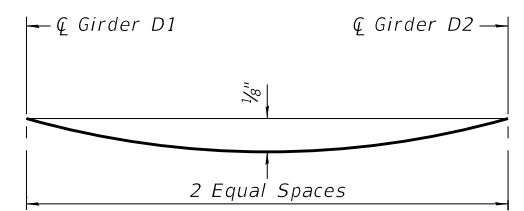
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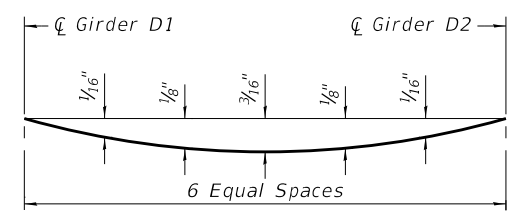
PLAN - UNIT 2



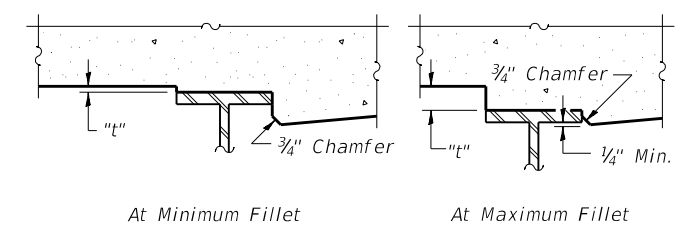
DEAD LOAD DEFLECTION DIAGRAM FOR FLOORBEAMS 24 AND 37
(Includes weight of concrete only.)



DEAD LOAD DEFLECTION DIAGRAM FOR FLOORBEAMS 25 THRU 34
(Includes weight of concrete only.)

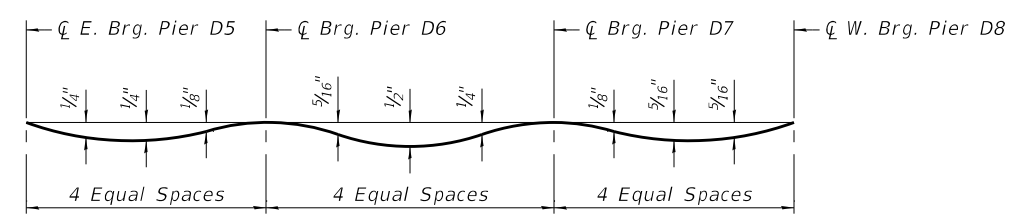


DEAD LOAD DEFLECTION DIAGRAM FOR FLOORBEAMS 35 AND 36
(Includes weight of concrete only.)

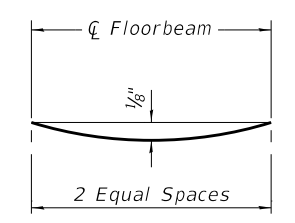


To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding" shown on sheets S-19 thru S-21, minus the initial slab thickness prior to grinding, equals the fillet heights "t" above top flange of beams.
The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on sheets S-19 thru S-21. For grinding the deck, see Special Provisions.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM FOR GIRDERS D1 AND D2
(Includes weight of concrete only.)



DEAD LOAD DEFLECTION DIAGRAM FOR STRINGERS S1 THRU S5
(Includes weight of concrete only.)

Note:
The deflections below are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets S-19 thru S-21.
Dead load deflection assumes a continuous deck pour sequence in the direction of increasing station.
The centerline of expansion joints are located at the centerline of the pier.



USER NAME = jmpattison	DESIGNED - WJC	REVISED -
PLOT SCALE = 32:0" = 1" / in.	CHECKED - MDS	REVISED -
PLOT DATE = 7/15/2020	DRAWN - RVV	REVISED -
	CHECKED - MDS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNIT 2 - TOP OF SLAB LAYOUT
S.N. 082-0144

SHEET S-18 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	97
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: pw:\hqp\pw\11a-e-transyscorp.com\transyscorp-pw\11Documents\Projects_2020\CD404 - Chicago_Downtown\F404200017 - Poplar Complex Roadway\304.00 - Bridge\304.02 - CADD\Sheets\TOS2-2 - UNIT 2 - TOP OF SLAB ELEVATION TABLES (1 OF 3)

GIRDER D1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D5	53+66.00	-16.00	446.50	446.52
CL E. Brg. Pier D5	53+66.75	-16.00	446.51	446.53
24.0	53+67.33	-16.00	446.51	446.53
24.5	53+75.67	-16.00	446.55	446.58
25.0	53+84.00	-16.00	446.59	446.63
25.5	53+94.50	-16.00	446.64	446.68
26.0	54+05.00	-16.00	446.70	446.74
26.5	54+15.50	-16.00	446.75	446.78
27.0	54+26.00	-16.00	446.80	446.83
27.5	54+36.50	-16.00	446.85	446.88
CL Pier D6	54+47.00	-16.00	446.91	446.93
28.5	54+57.50	-16.00	446.96	446.99
29.0	54+68.00	-16.00	447.01	447.05
29.5	54+78.50	-16.00	447.06	447.11
30.0	54+89.00	-16.00	447.12	447.17
30.5	54+99.50	-16.00	447.17	447.22
31.0	55+10.00	-16.00	447.22	447.27
31.5	55+20.50	-16.00	447.27	447.32
32.0	55+31.00	-16.00	447.33	447.36
32.5	55+41.50	-16.00	447.38	447.40
CL Pier D7	55+52.00	-16.00	447.43	447.45
33.5	55+62.50	-16.00	447.48	447.51
34.0	55+73.00	-16.00	447.54	447.57
34.5	55+83.50	-16.00	447.53	447.56
35.0	55+94.00	-16.00	447.51	447.55
35.5	56+04.50	-16.00	447.49	447.53
36.0	56+15.00	-16.00	447.47	447.51
36.5	56+23.33	-16.00	447.46	447.49
37.0	56+31.67	-16.00	447.45	447.47
CL W. Brg. Pier D8	56+32.25	-16.00	447.44	447.47
CL Pier D8	56+33.00	-16.00	447.44	447.46

STRINGER S1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D5	53+66.00	-10.67	446.42	446.44
CL E. Brg. Pier D5	53+66.75	-10.66	446.42	446.44
24.0	53+67.33	-10.66	446.42	446.45
24.5	53+75.67	-10.59	446.47	446.50
25.0	53+84.00	-10.53	446.51	446.55
25.5	53+94.50	-10.45	446.56	446.60
26.0	54+05.00	-10.37	446.61	446.65
26.5	54+15.50	-10.29	446.66	446.70
27.0	54+26.00	-10.21	446.71	446.74
27.5	54+36.50	-10.13	446.76	446.79
CL Pier D6	54+47.00	-10.05	446.81	446.84
28.5	54+57.50	-9.97	446.87	446.90
29.0	54+68.00	-9.89	446.92	446.95
29.5	54+78.50	-9.81	446.97	447.02
30.0	54+89.00	-9.73	447.02	447.07
30.5	54+99.50	-9.65	447.07	447.13
31.0	55+10.00	-9.57	447.12	447.17
31.5	55+20.50	-9.49	447.17	447.22
32.0	55+31.00	-9.41	447.22	447.26
32.5	55+41.50	-9.33	447.28	447.31
CL Pier D7	55+52.00	-9.25	447.33	447.35
33.5	55+62.50	-9.18	447.38	447.41
34.0	55+73.00	-9.10	447.43	447.46
34.5	55+83.50	-9.02	447.44	447.49
35.0	55+94.00	-8.94	447.46	447.51
35.5	56+04.50	-8.86	447.47	447.52
36.0	56+15.00	-8.78	447.48	447.53
36.5	56+23.33	-8.71	447.50	447.53
37.0	56+31.67	-8.65	447.51	447.53
CL W. Brg. Pier D8	56+32.25	-8.65	447.51	447.53
CL Pier D8	56+33.00	-8.64	447.51	447.53

STRINGER S2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D5	53+66.00	-5.33	446.34	446.36
CL E. Brg. Pier D5	53+66.75	-5.32	446.34	446.36
24.0	53+67.33	-5.31	446.34	446.36
24.5	53+75.67	-5.18	446.38	446.42
25.0	53+84.00	-5.06	446.42	446.46
25.5	53+94.50	-4.90	446.47	446.52
26.0	54+05.00	-4.74	446.52	446.57
26.5	54+15.50	-4.58	446.57	446.62
27.0	54+26.00	-4.42	446.62	446.65
27.5	54+36.50	-4.26	446.67	446.70
CL Pier D6	54+47.00	-4.10	446.72	446.75
28.5	54+57.50	-3.94	446.77	446.81
29.0	54+68.00	-3.78	446.82	446.86
29.5	54+78.50	-3.62	446.87	446.92
30.0	54+89.00	-3.47	446.92	446.98
30.5	54+99.50	-3.31	446.97	447.03
31.0	55+10.00	-3.15	447.02	447.08
31.5	55+20.50	-2.99	447.07	447.12
32.0	55+31.00	-2.83	447.12	447.16
32.5	55+41.50	-2.67	447.17	447.21
CL Pier D7	55+52.00	-2.51	447.22	447.25
33.5	55+62.50	-2.35	447.27	447.31
34.0	55+73.00	-2.19	447.32	447.36
34.5	55+83.50	-2.03	447.36	447.41
35.0	55+94.00	-1.87	447.41	447.46
35.5	56+04.50	-1.71	447.45	447.50
36.0	56+15.00	-1.55	447.49	447.54
36.5	56+23.33	-1.43	447.53	447.57
37.0	56+31.67	-1.30	447.57	447.60
CL W. Brg. Pier D8	56+32.25	-1.29	447.57	447.60
CL Pier D8	56+33.00	-1.28	447.58	447.60



USER NAME = jmpattison	DESIGNED - WJC	REVISED -
	CHECKED - MDS	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - RVV	REVISED -
PLOT DATE = 7/15/2020	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UNIT 2 - TOP OF SLAB ELEVATION TABLES (1 OF 3)
 S.N. 082-0144**

SHEET S-19 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	98
CONTRACT NO. 76B55				
ILLINOIS FED. AID PROJECT				

STRINGER S5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D5	53+66.00	10.67	446.09	446.11
CL E. Brg. Pier D5	53+66.75	10.70	446.09	446.11
24.0	53+67.33	10.72	446.09	446.11
24.5	53+75.67	11.04	446.13	446.16
25.0	53+84.00	11.35	446.16	446.20
25.5	53+94.50	11.75	446.21	446.26
26.0	54+05.00	12.15	446.26	446.30
26.5	54+15.50	12.55	446.30	446.34
27.0	54+26.00	12.95	446.35	446.38
27.5	54+36.50	13.35	446.40	446.42
CL Pier D6	54+47.00	13.74	446.44	446.47
28.5	54+57.50	14.14	446.49	446.52
29.0	54+68.00	14.54	446.54	446.57
29.5	54+78.50	14.94	446.58	446.63
30.0	54+89.00	15.34	446.63	446.68
30.5	54+99.50	15.74	446.67	446.73
31.0	55+10.00	16.13	446.72	446.77
31.5	55+20.50	16.53	446.77	446.82
32.0	55+31.00	16.93	446.81	446.85
32.5	55+41.50	17.33	446.86	446.89
CL Pier D7	55+52.00	17.73	446.91	446.93
33.5	55+62.50	18.13	446.95	446.98
34.0	55+73.00	18.52	447.00	447.03
34.5	55+83.50	18.92	447.11	447.16
35.0	55+94.00	19.32	447.23	447.28
35.5	56+04.50	19.72	447.36	447.41
36.0	56+15.00	20.12	447.48	447.52
36.5	56+23.33	20.43	447.58	447.62
37.0	56+31.67	20.75	447.68	447.71
CL W. Brg. Pier D8	56+32.25	20.77	447.69	447.71
CL Pier D8	56+33.00	20.80	447.70	447.72

GIRDER D2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
CL Pier D5	53+66.00	16.01	446.00	446.02
CL E. Brg. Pier D5	53+66.75	16.04	446.01	446.03
24.0	53+67.33	16.07	446.01	446.03
24.5	53+75.67	16.45	446.04	446.07
25.0	53+84.00	16.83	446.08	446.12
25.5	53+94.50	17.30	446.12	446.16
26.0	54+05.00	17.78	446.17	446.21
26.5	54+15.50	18.26	446.21	446.25
27.0	54+26.00	18.74	446.26	446.29
27.5	54+36.50	19.22	446.30	446.33
CL Pier D6	54+47.00	19.69	446.35	446.37
28.5	54+57.50	20.17	446.39	446.42
29.0	54+68.00	20.65	446.44	446.47
29.5	54+78.50	21.13	446.48	446.53
30.0	54+89.00	21.61	446.53	446.58
30.5	54+99.50	22.08	446.58	446.63
31.0	55+10.00	22.56	446.62	446.67
31.5	55+20.50	23.04	446.67	446.71
32.0	55+31.00	23.52	446.71	446.74
32.5	55+41.50	24.00	446.76	446.78
CL Pier D7	55+52.00	24.47	446.80	446.82
33.5	55+62.50	24.95	446.85	446.87
34.0	55+73.00	25.43	446.89	446.92
34.5	55+83.50	25.91	447.02	447.05
35.0	55+94.00	26.38	447.15	447.19
35.5	56+04.50	26.86	447.29	447.33
36.0	56+15.00	27.34	447.43	447.46
36.5	56+23.33	27.72	447.54	447.57
37.0	56+31.67	28.10	447.65	447.67
CL W. Brg. Pier D8	56+32.25	28.13	447.66	447.68
CL Pier D8	56+33.00	28.16	447.67	447.69

MODEL: Default
 FILE NAME: p:\w:\h\p\pw\m11.a-e-transyscorp.com\transyscorp-pw\1\Documents\Projects_2020\CD404 - Chicago_Downtown\F404200017 - Poplar Complex Roadway\304.00 - Bridge\304.02 - CADD\Sheets\TOS2-4 - UNIT 2 - TOP OF SLAB ELEVATION TABLES (3 OF 3)



USER NAME =	jmpattison	DESIGNED -	WJC	REVISED -	
		CHECKED -	MDS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	RVV	REVISED -	
PLOT DATE =	7/15/2020	CHECKED -	MDS	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**UNIT 2 - TOP OF SLAB ELEVATION TABLES (3 OF 3)
 S.N. 082-0144**

SHEET S-21 OF S-183 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-14-1	ST. CLAIR	361	100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B55	