

031

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	1

CONTRACT NO. 76945

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 70 (I-55 / I-64)
SECTION 82-3HVB-2R-(2,1)-1-2
PROJECT NHPP-Y61B(796)

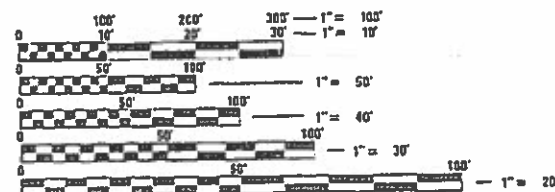
REPAIRS TO THE POPLAR STREET BRIDGE COMPLEX
(SN 082-0005, SN 082-0141, SN 082-0144, SN 082-0253, AND SN 082-0254)
ST. CLAIR COUNTY

INDEX OF SHEETS

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196-238	S. N. 082-0254-STRUCTURE REPAIRS

WB C-D:
FUNCTIONAL CLASSIFICATION: INTERSTATE
2017 ADT = 18,000
2038 ADT = 19,900
SU = 2.8%
MU = 10.8%

EB C-D
FUNCTIONAL CLASSIFICATION: INTERSTATE
2017 ADT = 32,400
2038 ADT = 35,800
SU = 3.2%
MU = 9.3%

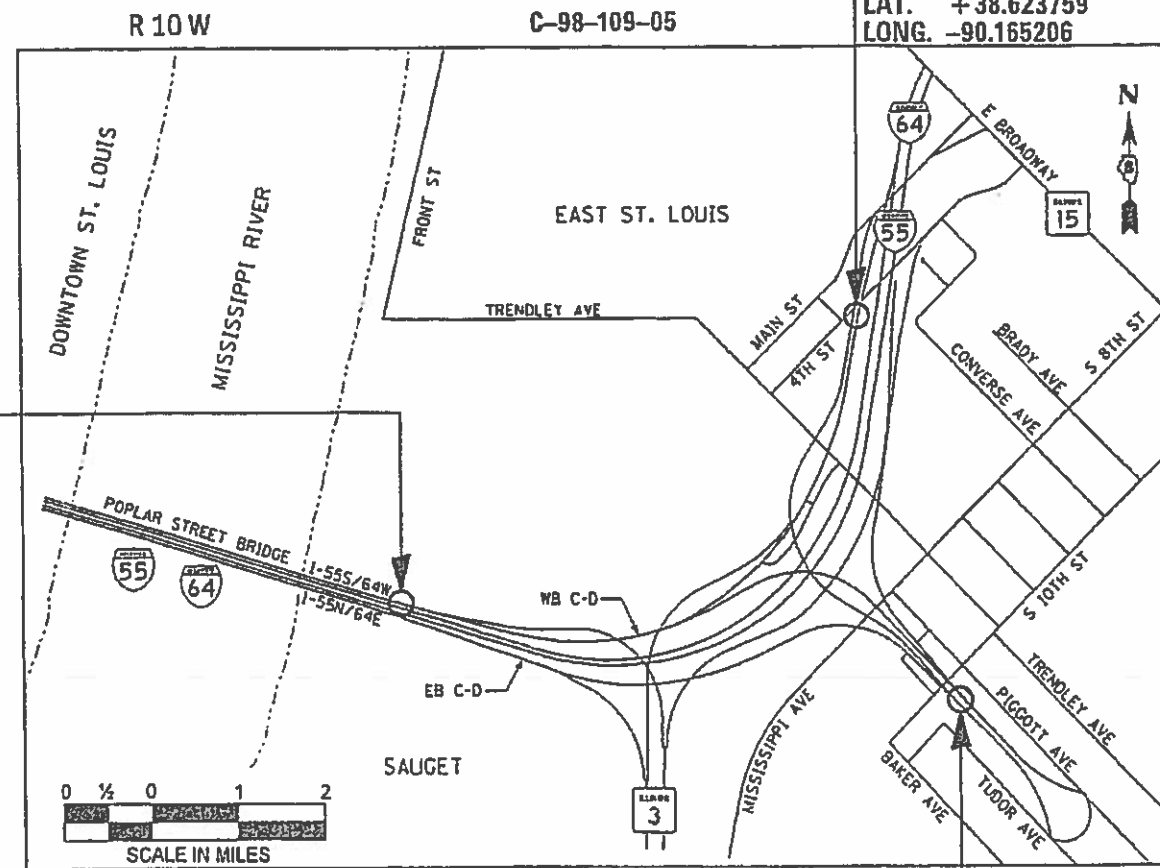


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TIMOTHY PADGETT, PE (618) 346-3325
PROJECT MANAGER: G. SCOTT NALL, PE (618) 346-3181

CONTRACT NO. 76945



GROSS LENGTH = 4,303 FT. = 0.815 MILE
NET LENGTH = 4,303 FT. = 0.815 MILE

SIGNATURE: *Shelley L. Dintelmann*
DATE SIGNED: 9/28/18
LICENSE EXPIRES: 11/30/2019
THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION: SHEETS 1-61 AND 66

SIGNATURE: *Richard A. Walther*
DATE SIGNED: 9-28-18
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 67-152 AND 165-226

SIGNATURE: *Francis A. Smith*
DATE SIGNED: 9/28/18
LICENSE EXPIRES: 11/30/2018
THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION: SHEETS 153-164 AND 227-238



PREPARED BY
WJE ENGINEERS ARCHITECTS SURVEYORS & PLANNERS
EFK+Moen, LLC
Civil Engineering Design
PROJECT TEAM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED: October 1, 2018
Jeffrey J. Kern REGIONAL ENGINEER
OCT 5 2018
Paul A. Efk ENGINEER OF DESIGN AND ENVIRONMENT
OCT 5 2018
Paul C. Chaf DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

000001-06	701428-01
001001-02	701446-09
001006	701451-05
630001-12	701901-07
631031-15	704001-08
631046-04	720001-01
635001-02	720006-04
666001-01	720021-02
701400-09	725001-01
701401-11	729001-01
701402-12	780001-05
701411-09	781001-04
701422-10	782006

COMMITMENTS

- 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:	RAMP G & RAMP U (WESTBOUND C-D)
MIXTURE USE(S)	POLY SURFACE COURSE
AC/PG	SBS PG 76-22
RAP % (MAX)	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4% @ Ndes=90
MIXTURE COMPOSITION (MIXTURE GRADATIONS)	IL-9.5
FRICTION AGGREGATE	MIX "D"
MIXTURE WEIGHT	112#/SQ YD/IN
QUALITY MANAGEMENT PROGRAM	QC/QA

RATES OF APPLICATION

HOT-MIX ASPHALT:

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	0.05 POUND / SQ FT (ON PAVEMENT)
HMA SURFACE AND BINDER COURSES	0.056 TON / SQ YD / IN

GENERAL NOTES

- ALL REPAIRS 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.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT ARE BEFORE DIGGING. FIELD MARKING OF UTILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THR UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN ILLINOIS - ELECTRIC & GAS
 - AT&T ILLINOIS - COMMUNICATIONS
 - CHARTER COMMUNICATIONS - CABLE TV
 - CITY OF EAST ST. LOUIS - LIGHTING
 - ILLINOIS AMERICAN WATER COMPANY - WATER
 - LACLEDE PIPELINE COMPANY - PIPELINE
 - VERIZON BUSINESS - COMMUNICATIONS
 - ZAYO GROUP - COMMUNICATIONS
- MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- SIX CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE BOARD SHALL BE PLACED ALONG I-55N (IN MISSOURI), I-64E (IN MISSOURI), I-55S/64W EAST OF THE WB C-D DIVERGENCE, ALONG NORTHBOUND IL ROUTE 3, ALONG PIGGOTT AVENUE, I-55S NORTH OF THE ALS RR OVERPASS, OR AT THE DIRECTION OF THE ENGINEER.
- ADVANCED SIGNING OF NARROW STAGING WIDTHS SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS, ALONG I-55S/64E ON THE PSB, OR AT THE DIRECTION OF THE ENGINEER. ALL CONSTRUCTION SIGNS (W12-I102(O)) SHALL BE 48"X 48" FLUORESCENT ORANGE.
- 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.
- EXISTING STRUCTURE PLANS ARE AVAILABLE FOR REVIEW IN THE DISTRICT OFFICE. CONTACT SCOTT NALL AT (618) 346-3181.
- 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.

- THE DISTRICT LAND ACQUISITION SECTION SHALL BE CONTACTED IF DIFFERENCES ARE IDENTIFIED BETWEEN ANY PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE ENGINEERING PLAN SHEETS AS COMPARED TO THE SAME PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE PLAT OF HIGHWAYS. QUESTIONS OR CONCERNS REGARDING THESE ITEMS SHOULD BE DIRECTED TO CLINT MARSHALL AT (618) 346-3124.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- IF ANY SECTION OR SUB-SECTION MONUMENT (I.E. STONE, BRASS PLUG, ALUMINUM DISK, IRON PIPE OR PIN, MAG NAIL, CROSS, ETC.), IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENT IS REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE THE MONUMENT IN PLACE UNTIL AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING" HAS REFERENCED ITS LOCATION.
- ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING".
- THE RIGHT-OF-WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SHALL BE STAKED PRIOR TO ANY CONSTRUCTION OPERATIONS. STAKES SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM EACH OTHER AND ARE SUFFICIENTLY SPACED TO DETERMINE THE LOCATION OF THE RIGHT-OF-WAY OR EASEMENT IN ANY LOCATION. THE RIGHT-OF-WAY SHALL BE STAKED BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING". THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CONSTRUCTION LAYOUT.
- THE RIGHT-OF-WAY OR PROPERTY CORNER IS MONUMENTED WITH A 5/8" IRON ROD, THIRTY INCHES (30") IN LENGTH, WITH AN IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT-OF-WAY MARKER. THE RIGHT-OF-WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT-OF-WAY BOUNDARY. THE RIGHT-OF-WAY MARKER SHALL BE A WITNESS TO THE MONUMENT.
- THE RESIDENT ENGINEER SHALL CONTACT MODOT AND THE CITY OF ST. LOUIS TWO (2) WEEKS IN ADVANCE OF INITIATING PLANNED MISSOURI DETOUR ROUTES.

MODOT CONTACT: MICHELLE FORNERIS, P.E.
AREA ENGINEER, CITY OF ST. LOUIS
MISSOURI DEPARTMENT OF TRANSPORTATION
Michelle.Fornieris@modot.mo.gov

CITY OF ST. LOUIS CONTACTS: MR. JAMIE WILSON, P.E., P.T.O.E.
DIRECTOR, DEPARTMENT OF STREETS
wilsonj@stlouis-mo.gov

MS. DEANNA VENKER, P.E.
COMMISSIONER OF TRAFFIC
venkerd@stlouis-mo.gov
- THE CONTRACTOR SHALL NOT PLACE ANY DETOUR OR ANY OTHER CONSTRUCTION SIGNAGE ON A CITY OF ST. LOUIS SIDEWALK OR DESIGNATED BIKE PATH.



USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - MSK	REVISED -
PLOT SCALE = 20,000' / 1" =	CHECKED - SLD	REVISED -
PLOT DATE = 10/10/2018	DATE - 9/28/2018	REVISED -

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-(2,1)-1-2	ST. CLAIR	238	2
			CONTRACT NO. 76945	
ILLINOIS FED. AID PROJECT				

UNION PACIFIC RAILROAD GENERAL NOTES

1. WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS THE "RAILROAD".
2. A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD 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 RAILROAD FLAGMAN. A MINIMUM 72 HOURS NOTICE IS REQUIRED TO SCHEDULE A FLAGMAN FOR WORK. RAILROAD 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 TRACK MUST BE DISCONTINUED UNTIL THE TRAIN HAS PASSED. ALL WORKERS ARE REQUIRED TO CLEAR A MINIMUM OF 25 FEET (HORIZONTAL) AWAY FROM TRACKS WHILE TRAINS ARE PASSING (FOR WORKERS AT GROUND LEVEL).
4. 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:
A) A WRITTEN RUBBLE MANAGEMENT PLAN, AND
B) AT-GRADE TRACK PROTECTION
5. RAILROAD REVIEW AND APPROVAL OF SHORING AT REPAIR LOCATION PIER A21 IS REQUIRED.
6. ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
7. FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
8. THE PRIMARY RAILROAD POINT OF CONTACT FOR THIS PROJECT IS:

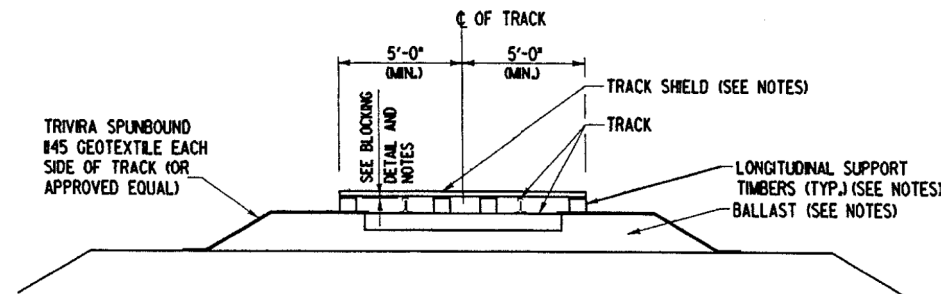
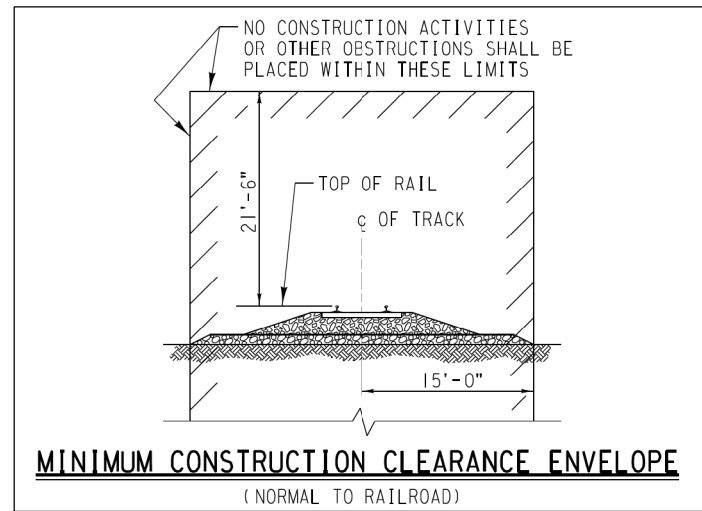
JORDON ALBERS
MANAGER INDUSTRY AND PUBLIC PROJECTS
100 NORTH BROADWAY
SUITE 1500
ST. LOUIS, MO 63102
(314) 331-0682
JRALBERS@UP.COM

TERMINAL RAILROAD OF ST. LOUIS GENERAL NOTES

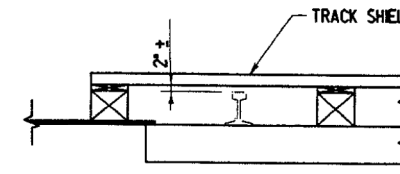
1. WITHIN THESE NOTES, THE TERMINAL RAILROAD ASSOCIATION OF ST. LOUIS SHALL BE REFERRED TO AS THE "RAILROAD".
2. RAILROAD REVIEW AND APPROVAL OF SHORING AT REPAIR LOCATION PIER A21 IS REQUIRED.
3. ONLY RUBBER TIRES WILL BE ALLOWED ON THE AT-GRADE CROSSINGS.
4. FOR SN 082-0005, SN 082-0141, SN 082-0144, SN 082-0253, AND SN 082-0254 ALL WORK WITHIN 15 FEET OF THE TRACK CENTERLINE WILL REQUIRE A TERMINAL RAILROAD OF ST. LOUIS FLAGMAN.
5. THE PRIMARY RAILROAD POINTS OF 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) 241-4729
ARAZA@TERMINALRAILROAD.COM

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



**TRACK SHIELD DETAIL
FOR DEBRIS FALLING FROM BRIDGE DECK REMOVAL
(WHEN TRACK TIME WINDOW IS AVAILABLE)**



BLOCKING DETAIL

NOTES:

1. A FLAGMAN IS REQUIRED AT ALL TIMES DURING THE USE OF A TRACK SHIELD.
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 ONTO THE RAILROAD TRACK. ADDITIONAL LAYERS OF MATERIALS SHALL BE FURNISHED AS NECESSARY TO PREVENT FINE MATERIALS OR DEBRIS FROM SIFTING DOWN UPON THE TRACK.
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 IT'S 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. LONGITUDINAL SUPPORT TIMBERS FOR THE SHIELD SHALL NOT EXTEND ABOVE THE TOP OF RAIL WHEN THE SHIELD IS REMOVED. BLOCKING FROM THE TOP OF RAIL TO THE BOTTOM OF THE SHIELD MAY BE ATTACHED TO THE SHIELD. REMAINING TIMBERS SHALL BE ANCHORED.
8. 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.
9. AT THE END OF THE DAY, THE RUBBLE SHALL BE REMOVED COMPLETELY TO A MINIMUM OF 10' 0" FROM THE NEAREST RAIL AND DOWN TO ORIGINAL GRADE.
10. CARE SHALL BE TAKEN TO NOT PLACE METAL ACROSS THE TRACK RAILS. RAILROAD COMMUNICATIONS ARE SENT THROUGH THE RAILS AND WILL BE DISRUPTED BY A SHORT BETWEEN RAILS.
11. DETAILS SHOWN APPLY FOR TIMBER TIES. SPECIAL DETAILS ARE REQUIRED FOR CONCRETE TIES.

USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - MSK	REVISED -
PLOT SCALE = 20.000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/11/2018	DATE - 9/28/2018	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	3
				CONTRACT NO. 76945
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 0047 S. N. 082-0005	BRIDGE 0047 S. N. 082-0141	BRIDGE 0047 S. N. 082-0144	BRIDGE 0047 S. N. 082-0253	BRIDGE 0047 S. N. 082-0254	RESURF 0005 URBAN
28100105	STONE RIPRAP, CLASS A3	SQ YD	474		474				
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1812						1812
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	507						507
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	4027						4027
50102400	CONCRETE REMOVAL	CU YD	257.5	20.9	132.3		10.4	69.3	24.6
50104650	SLOPE WALL REMOVAL	SQ YD	474		474				
50157300	PROTECTIVE SHIELD	SQ YD	815		815				
50300225	CONCRETE STRUCTURES	CU YD	7					7	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	242.3	20.9	124.6		24.8	72	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	31.4						31.4
50500505	STUD SHEAR CONNECTORS	EACH	60		20			40	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	40580	3310	20200		3200	10860	3010
50800515	BAR SPLICERS	EACH	138	84	44			10	

• SPECIALTY ITEM



USER NAME = jderdeen	DESIGNED - JRD	REVISED -
	DRAWN - SJF	REVISED -
PLOT SCALE = 20.000' / 1" =	CHECKED - SLD	REVISED -
PLOT DATE = 10/2/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	4
CONTRACT NO. 76945			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 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	RESURF 0005
				S. N. 082-0005	S. N. 082-0141	S. N. 082-0144	S. N. 082-0253	S. N. 082-0254	URBAN
52000010	PREFORMED JOINT SEAL 1 1/4"	FOOT	353.5				353.5		
52000040	PREFORMED JOINT SEAL 3 1/2"	FOOT	185						185
52000110	PREFORMED JOINT STRIP SEAL	FOOT	691	89	374		42	186	
52000208	FINGER PLATE EXPANSION JOINT, 3"	FOOT	53		53				
52000212	FINGER PLATE EXPANSION JOINT, 4"	FOOT	71		33			38	
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	267		226			41	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	3		3				
52100520	ANCHOR BOLTS, 1"	EACH	4		4				
59000200	EPOXY CRACK INJECTION	FOOT	431		146			285	
60600605	CONCRETE CURB, TYPE B	FOOT	22						22
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	600						600
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2						2
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	2						2
63200310	GUARDRAIL REMOVAL	FOOT	699						699

* SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY 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-(2,1)-1-2	ST. CLAIR	238	5
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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 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	RESURF 0005
				S. N. 082-0005	S. N. 082-0141	S. N. 082-0144	S. N. 082-0253	S. N. 082-0254	URBAN
64300770	IMPACT ATTENUATORS (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2				1	1	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	4	1	1		1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1.2	1.2	1.2	1.2	1.2	
67100100	MOBILIZATION	L SUM	1	0.2	0.2	0.2	0.2	0.2	
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2	0.25	0.25	1	0.25	0.25	
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2					
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	0.5	0.5				
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	0.5	0.5	2	0.5	0.5	
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1			1			
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	7060	1742	892	4224	114	88	
70107008	PAVEMENT MARKING BLACKOUT TAPE, 8"	FOOT	515	196	196	123			
70107009	PAVEMENT MARKING BLACKOUT TAPE, 9"	FOOT	3058	598.5	598.5	1861			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.2	0.2	0.2	0.2	0.2	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	18198	4579	2893	9933	529	264	

• SPECIALTY ITEM



USER NAME = jrd	DESIGNED - JRD	REVISED -
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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

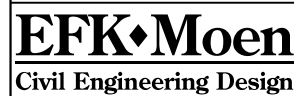
SUMMARY OF QUANTITIES

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-(2,1)-1-2	ST. CLAIR	238	6
CONTRACT NO. 76945			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 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	RESURF 0005
				S. N. 082-0005	S. N. 082-0141	S. N. 082-0144	S. N. 082-0253	S. N. 082-0254	URBAN
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	22886	5967	3586	11982	926	425	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5450	1375	1375	2550	75	75	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5525	1037.5	1162.5	3237.5	87.5		
70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	9	2	3	3	1		
70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	9	2	2	4		1	
* 72000300	SIGN PANEL - TYPE 3	SQ FT	1146		270			876	
* 73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	180		64			116	
* 73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	165		57			108	
* 73602000	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	3		1			2	
* 78003130	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1827						1827
* 78003140	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	78						78
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	24						24
* 78100300	REPLACEMENT REFLECTOR	EACH	141	35	22	61	12	11	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9						9

* SPECIALTY ITEM



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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY 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-(2,1)-1-2	ST. CLAIR	238	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76945	

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 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	RESURF 0005		
				S. N. 082-0005	S. N. 082-0141	S. N. 082-0144	S. N. 082-0253	S. N. 082-0254	URBAN		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	24								24
X0322559	BOLT REPLACEMENT	EACH	5		5						
X0324126	GALVANIC ANODE	EACH	3783		2992			791			
X0325749	FIBER WRAP	SQ FT	120		120						
X0900037	COLUMN TENSIONED STRANDS	EACH	99		75			24			
X0900073	CRACK ARREST HOLES	EACH	4		4						
X0900074	CABLE PROTECTION	EACH	2			2					
X1000004	REMOVE AND REPLACE SEISMIC RETROFIT ASSEMBLY	EACH	2					2			
X6430110	REMOVE IMPACT ATTENUATORS, SALVAGE	EACH	2				1	1			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.2	0.2	0.2	0.2	0.2			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	425	98.5	98.5	140	44	44			
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	141	35	22	61	12	11			
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1827								1827
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	78								78
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	3		3						

* SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	8
CONTRACT NO. 76945				
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 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	BRIDGE 0047	RESURF 0005
				S. N. 082-0005	S. N. 082-0141	S. N. 082-0144	S. N. 082-0253	S. N. 082-0254	URBAN
Z0001905	STRUCTURAL STEEL REPAIR	POUND	6900	840	5580	480			
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1		0.43	0.45	0.06	0.06	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3801		3010			791	
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	125		100			25	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	186		103	60		23	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	2774		1601	849		324	
Z0021908	SILICONE JOINT SEALER, 2"	FOOT	175		175				
Z0021912	SILICONE JOINT SEALER, 2.5"	FOOT	38		38				
Z0021916	SILICONE JOINT SEALER, 3"	FOOT	37		37				
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1132						1132
Z0041895	POLYMER CONCRETE	CU FT	18		18				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.2	0.2	0.2	0.2	0.2	
Z0049790	RELOCATING NAME PLATES	EACH	2		1			1	
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	2		2				

• SPECIALTY ITEM



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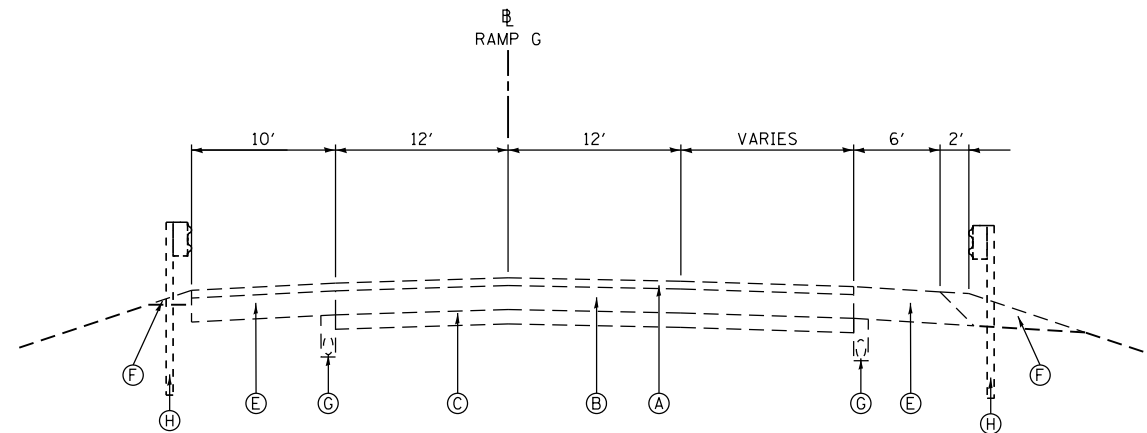
SUMMARY OF QUANTITIES

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-(2,1)-1-2	ST. CLAIR	238	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76945	

EXISTING

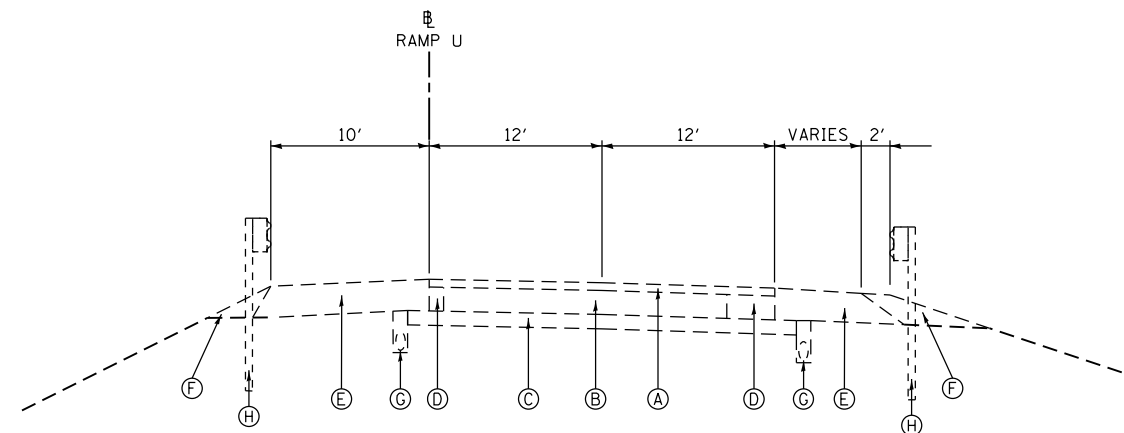
- (A) BITUMINOUS OVERLAY, 3" MIN
- (B) PCC PAVEMENT
- (C) STABILIZED SUB-BASE
- (D) PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- (E) BITUMINOUS SHOULDER 8"
- (F) AGGREGATE SHOULDERS, TYPE B
- (G) SUBSURFACE DRAINS
- (H) GUARDRAIL



EXISTING TYPICAL SECTION

RAMP G (WB C-D)

WESTBOUND (LOOKING WEST)
STA. 13+11.09 TO STA. 16+88.79



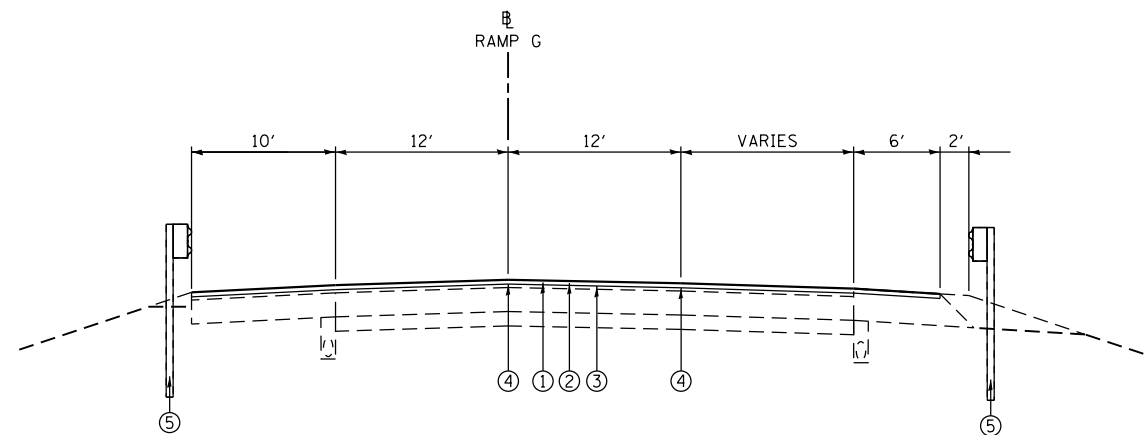
EXISTING TYPICAL SECTION

RAMP U (WB C-D)

WESTBOUND (LOOKING WEST)
STA. 6+02.31 TO STA. 10+93.94

PROPOSED

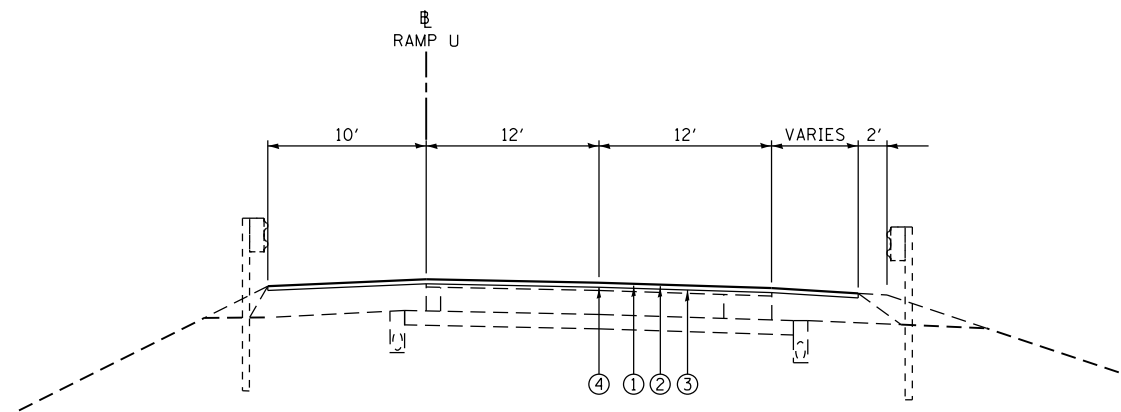
- ① HOT-MIX-ASPHALT SURFACE REMOVAL, 2.25"
- ② POLYMERIZED HOT-MIX-ASPHALT SURFACE COURSE, MIX "D", N90
- ③ POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ④ LONGITUDINAL JOINT SEALANT
- ⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS



PROPOSED TYPICAL SECTION

RAMP G (WB C-D)

WESTBOUND (LOOKING WEST)
STA. 13+11.09 TO STA. 16+88.79



PROPOSED TYPICAL SECTION

RAMP U (WB C-D)

WESTBOUND (LOOKING WEST)
STA. 6+02.31 TO STA. 10+93.94

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	11
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

RIGHT-OF-WAY MARKERS SCHEDULE				FURNISH AND ERECTING ROW MARKERS (EACH)
LOCATION				
ROUTE	Pt+ (no Sta-o/s)-see POH	OFFSET	DIRECTION	
FAI 70	7021		NORTH	1
FAI 70	7022		NORTH	1
FAI 70	7026		NORTH	1
FAI 70	7025		NORTH	1
TOTALS				4

- THE RIGHT OF WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER, WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED, OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKER AT THE TWELVE INCHES (12") OFFSET.

HMA PAVEMENT SCHEDULE						
LOCATION			POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	POLYMERIZED HMA SURFACE COURSE MIX "D", N90 (TON)	HMA SURFACE REMOVAL 2 1/4 INCH (SQ YD)	LONGITUDINAL JOINT SEALANT (FOOT)
ROADWAY	STATION	STATION				
RAMP G	13+11.09	16+88.79	957	268	2126	
RAMP U	6+02.31	10+93.94	855	239	1901	
RAMP G	13+11.09	16+88.79				361
RAMP G	13+11.09	16+88.79				343
RAMP U	6+02.31	10+93.94				428
TOTALS			1812	507	4027	1132

CURB SCHEDULE			
LOCATION			CONCRETE CURB TYPE B (FOOT)
ROADWAY	LOCATION	LT/RT	
RAMP G		LT	22
TOTALS			22

GUARDRAIL SCHEDULE										
LOCATION				GUARDRAIL REMOVAL (FOOT)	STEEL PLATE BEAM GUARDRAIL TYPE A 9' POSTS (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 10 (EACH)	GUARDRAIL REFLECTORS TYPE A (EACH)	REMOVE IMPACT ATTENUATORS SALVAGE (EACH)	IMPACT ATTENUATORS (SEVERE USE) (NARROW) TEST LEVEL 3 (EACH)
ROADWAY	LOCATION	LOCATION	LT/RT							
RAMP G	13+11.09	16+88.79	LT	396	337.5			5		
RAMP G	13+11.09	16+88.79	RT	303	262.5			4		
RAMP G	SN 082-0206		RT				1			
RAMP G	SN 082-0206		LT				1			
RAMP G	SN 082-0254		RT			1				
RAMP G	SN 082-0254		LT			1				
ROADWAY G	RAMP S		GORE					1	1	
ROADWAY R	RAMP O		GORE					1	1	
TOTALS				699	600	2	2	9	2	2

PERMANENT PAVEMENT MARKING SCHEDULE				PREFROMED PLASTIC PAVEMENT MARKING TYPE B LINE 6 INCH	PREFROMED PLASTIC PAVEMENT MARKING TYPE B LINE 8 INCH	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	REPLACEMENT REFLECTOR (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REFLECTOR REMOVAL (EACH)	GROOVING FOR RECESSED PAVEMENT MARKING 7 INCH (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 9 INCH (FOOT)	NOTES
ROADWAY	STATION	STATION	STAGE	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	
RAMP G	13+11.09	16+88.79		378						378		YELLOW EDGE LINE
RAMP U	6+02.31	10+93.94		428						428		YELLOW EDGE LINE
RAMP G	13+11.09	16+88.79		90		10		10		90		30' SKIP-10' DASH
RAMP G	13+11.09	16+88.79		72						72		9' SKIP-3' DASH
RAMP U	6+02.31	10+93.94		110		12		12		110		30' SKIP-10' DASH
RAMP U	6+02.31	10+93.94		429						429		SOLID
RAMP G	13+11.09	16+88.79		320						320		SOLID
ROADWAY G	13+11.09	16+88.79			39	1		1			39	GORE
ROADWAY G	13+11.09	16+88.79			39	1		1			39	GORE
55S/64W	MO AVE	3RD ST	STAGE 3				26		26			WESTBOUND
55S/64W	@ MLK CONN		STAGE 3				6		6			WESTBOUND
55S/64W	@ MLK CONN		STAGE 3 & 4				6		6			WESTBOUND
WB C-D	55S/64W		STAGE 4				8		8			WESTBOUND
ROADWAY A	PIGGOTT		STAGE 3, 4 & 5				6		6			WESTBOUND
ROADWAY A	@ RAMP T GORE		STAGE 4				4		4			WESTBOUND
ROADWAY A	@ RAMP T GORE		STAGE 4				11		11			WESTBOUND
55S/64W	@ PSB		STAGE 5				13		13			WESTBOUND
ROADWAY D	@ RAMP N GORE		STAGE 2				7		7			EASTBOUND
ROADWAY D	@ RAMP N GORE		STAGE 3				15		15			EASTBOUND
ROADWAY D	@ RAMP N AUXILARY		STAGE 3				28		28			EASTBOUND
ROADWAY D	@ROADWAY D	RAMP Q	STAGE 3				8		8			EASTBOUND
ROADWAY D	@ROADWAY D	RAMP Q	STAGE 3				3		3			EASTBOUND
TOTALS				1827	78	24	141	24	141	1827	78	

BARRIER SCHEDULE						NOTES
ROADWAY	LOCATION	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	IMPACT ATTENUATORS TEMPORARY (SEVERE USE, (NARROW) TEST LEVEL 3 (EACH)	IMPACT ATTENUATORS RELOCATE (SEVERE USE, (NARROW) TEST LEVEL 3 (EACH)	
ROADWAY A	@ RAMP M	575		1		STAGE 1 - RAMP M
ROADWAY F	@ RAMP M	225		1		STAGE 1 - RAMP M
ROADWAY D	@ RAMP N	462.5		1		STAGE 2 - RAMP N & ROADWAY D
ROADWAY D	@ ROADWAY D	675		1		STAGE 2 - RAMP N & ROADWAY D
RAMP M	@ ROADWAY A	600		1		STAGES 3, 4 - WESTBOUND C-D
MAIN ST	@ RAMP G	300			1	STAGES 3, 4 - WESTBOUND C-D
ROADWAY A	@ RAMP T	1200		1		STAGE 3 - WESTBOUND C-D
ROADWAY D	@ RAMP N	962.5		1		STAGE 3 - EASTBOUND C-D
ROADWAY D	@ PSB	300				STAGE 4 - EASTBOUND C-D
ROADWAY C	@ PSB	150			1	STAGE 4 - EASTBOUND C-D
ROADWAY B	PIER ABCD		200		1	STAGE 2 - WESTBOUND C-D (FROM STAGE 1 - RAMP M)
ROADWAY B	PIER ABCD		200		1	STAGE 2 - WESTBOUND C-D (FROM STAGE 2 - WESTBOUND C-D)
ROADWAY B	@ ROADWAY A		200			STAGES 2, 3, 4 - WESTBOUND C-D (from Stage 1 - Ramp M)
ROADWAY D	@ PSB		812.5		1	STAGE 3 - EASTBOUND C-D (FROM STAGE 2 - RAMP N & ROADWAY D)
ROADWAY D	@ RAMP N		137.5		1	STAGE 3 - EASTBOUND C-D (FROM STAGE 2 - RAMP N & ROADWAY D)
ROADWAY D	@ RAMP N		187.5			STAGE 3 - EASTBOUND C-D (FROM STAGE 2 - RAMP N & ROADWAY D)
ROADWAY R	@ RAMP O		250	1		STAGE 4 - WESTBOUND C-D (FROM STAGE 3 - WESTBOUND C-D)
ROADWAY A	@ RAMP T		250	1		STAGE 4 - WESTBOUND C-D (FROM STAGE 3 - WESTBOUND C-D)
ROADWAY A	@ RAMP T		650		1	STAGE 4 - WESTBOUND C-D (FROM STAGE 3 - WESTBOUND C-D)
ROADWAY D	@ PSB		2100		1	STAGE 4 - EASTBOUND C-D (FROM STAGE 3 - EASTBOUND C-D)
ROADWAY A	@ RAMP T		537.5		1	STAGE 5 - WESTBOUND C-D (FROM STAGE 4 - WESTBOUND C-D)
TOTALS		5450	5525	9	9	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	13
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL & PROTECTION SCHEDULE

LOCATION				TRAFFIC CONTROL & PROTECTION STANDARD 701401 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701402 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701422 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701411 (EACH)	TRAFFIC CONTROL & PROTECTION STANDARD 701446 (L SUM)	TRAFFIC CONTROL & PROTECTION (SPECIAL) (L SUM)	NIGHTTIME WORK ZONE LIGHTING (L SUM)	CHANGEABLE MESSAGE SIGN (CAL DA)
ROADWAY	LOCATION	STRUCTURE NO	STAGE								
I-55S/64W	MISSOURI AVE	082-0005	STAGE 3 - WESTBOUND C-D	0.25							
I-55S/64W	MISSOURI AVE	082-0141	STAGE 3 - WESTBOUND C-D	0.25							
I-55S/64W	MISSOURI AVE	082-0253	STAGE 3 - WESTBOUND C-D	0.25							
I-55S/64W	MISSOURI AVE	082-0254	STAGE 3 - WESTBOUND C-D	0.25							
I-55N/64E	ROADWAY D	082-0144	STAGE 2 - EASTBOUND C-D	1							
ROADWAY B	PIER ABCD	082-0005	STAGE 2 - WESTBOUND C-D		1						
ROADWAY B	PIER ABCD	082-0005	STAGE 2 - WESTBOUND C-D		1						
ROADWAY F	RAMP P	082-0005	STAGE 1 - RAMP M			0.5					
ROADWAY F	RAMP P	082-0141	STAGE 1 - RAMP M			0.5					
I-55S/64W	MLK CONNECTOR	082-0005	STAGE 3 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0141	STAGE 3 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0253	STAGE 3 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0254	STAGE 3 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0141	STAGE 4 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0141	STAGE 4 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0253	STAGE 4 - WESTBOUND C-D				0.25				
I-55S/64W	MLK CONNECTOR	082-0254	STAGE 4 - WESTBOUND C-D				0.25				
ROADWAY D	RAMP N	082-0144	STAGE 3 - EASTBOUND C-D				1				
ROADWAY D	RAMP N	082-0144	STAGE 3 - EASTBOUND C-D				1				
I-55N/64E	PSB		STAGE 3 & 4 - EASTBOUND C-D					1			
I-55N*											70
I-64E*											70
I-55S/64W											88
PIGGOTT AVE											81
IL ROUTE 3											28
I-55S											88
		082-0005						0.2	0.2		
		082-0141						0.2	0.2		
		082-0144						0.2	0.2		
		082-0253						0.2	0.2		
		082-0254						0.2	0.2		
TOTALS				2	2	1	4	1	1	1	425

* IN MISSOURI

MOBILIZATION SCHEDULE		
LOCATION		(L SUM)
ROADWAY	LOCATION	
WB C-D	SN 082-0005	0.2
WB C-D	SN 082-0141	0.2
EB C-D	SN 082-0144	0.2
WB C-D	SN 082-0253	0.2
WB C-D	SN 082-0254	0.2
TOTALS		1



USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - MSK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	14
			CONTRACT NO. 76945	
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION				PAVEMENT MARKING BLACKOUT TAPE 7 INCH (FOOT)	PAVEMENT MARKING BLACKOUT TAPE 8 INCH (FOOT)	PAVEMENT MARKING BLACKOUT TAPE 9 INCH (FOOT)	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)	PAVEMENT MARKING TAPE TYPE III 6 INCH (FOOT)	NOTES
ROADWAY	STATION	STATION	STAGE						
I-55S/64W	MISSOURI AVE	3RD ST	STAGE 3	250			145.8		SKIP DASH
I-55S/64W	MLK CONN	I-55S/64W	STAGE 3	50			29.2		SKIP DASH
ROADWAY D	ROADWAY C	PIER D22	STAGE 3	1986			1158.5		EDGE LINE
ROADWAY A			STAGE 3	635			370.4		EDGE LINE
I-55S/64W	MLK CONN	I-55S/64W	STAGE 3 & 4	50			29.2		SKIP DASH
I-55N/64E	PSB		STAGE 3 & 4	130			75.8		SKIP DASH
I-55N RAMP	I-55N RAMP	MISSISSIPPI RIVER	STAGE 3 & 4	130			75.8		SKIP DASH
ROADWAY A		PIGGOTT	STAGE 3, 4, & 5	130			75.8		SKIP DASH
RAMP U	I-55S/64W	RAMP G	STAGE 4	80			46.7		SKIP DASH
ROADWAY D	RAMP N	PIER D22	STAGE 4	858			500.5		EDGE LINE
ROADWAY D	PIER D1	RAMP N	STAGE 4	1040			606.7		EDGE LINE
ROADWAY D	RAMP N		STAGE 4	80			46.7		SKIP DASH
ROADWAY A			STAGE 4	791			461.4		EDGE LINE
I-55S/64W	PSB	PIER ABCD	STAGE 2	250			145.8		SKIP DASH
I-55S/64W	PSB	PIER ABCD	STAGE 2	300			175.0		EDGE LINE
I-55S/64W	PSB	PIER ABCD	STAGE 2	300			175.0		EDGE LINE
ROADWAY A	ROADWAY A	RAMP T	STAGE 4		392		261		GORE DIAGONAL LN (X 2)
ROADWAY D	ROADWAY D	RAMP O	STAGE 4		123		82		GORE DIAGONAL LN (X 2)
ROADWAY E			STAGE 1			600	450		GORE EDGE LINE
I-55N/64E	MISSISSIPPI RIVER	ROADWAY D	STAGE 2			500	375		DOTTED LINE, 2' LINE-4' SKIP
ROADWAY D	@ RAMP N		STAGE 3 & 4 - EB			602	452		GORE EDGE LINE
ROADWAY D	@ RAMP N		STAGE 3 & 4 - EB			99	74		GORE EDGE LINE
PSB	I-55N RAMP	MISSISSIPPI RIVER	STAGE 3 & 4 - EB			241	181		DOTTED LINE, 2' LINE-4' STRIPE
ROADWAY D	@ RAMP O GORE		STAGE 3 & 4 - EB			308	231		GORE EDGE LINE
ROADWAY D	@ RAMP O GORE		STAGE 3 & 4 - EB			111	83		GORE EDGE LINE
ROADWAY A	ROADWAY A	RAMP T	STAGE 4 - WB			147	110		GORE EDGE LINE
ROADWAY A	ROADWAY A	RAMP T	STAGE 4 - WB			450	338		GORE EDGE LINE
ROADWAY E		RAMP P	STAGE 1				304	608	YELLOW
I-55N/64E	MISSISSIPPI RIVER	ROADWAY D	STAGE 2				650	1300	WHITE
I-55S/64W	MO AVE	3RD ST	STAGE 3 - WB				650	1300	WHITE
I-55S/64W	MLK CONN	I-55S/64W	STAGE 3 - WB				125	250	YELLOW
I-55S/64W	MLK CONN	I-55S/64W	STAGE 3 - WB				75	150	WHITE
ROADWAY A	PIGGOTT AVE	RAMP T	STAGE 3 - WB				604	1208	YELLOW
ROADWAY A	PIGGOTT AVE	RAMP T	STAGE 3 - WB				317.5	635	WHITE
PSB	I-55N RAMP	MISSISSIPPI RIVER	STAGE 3 - EB				650	1300	WHITE
PSB	MISSISSIPPI RIVER		STAGE 3 - EB				400	800	WHITE
ROADWAY D	ROADWAY D	RAMP N	STAGE 3 - EB				358.5	717	WHITE
ROADWAY D	RAMP N GORE		STAGE 3 - EB				54.5	109	WHITE
ROADWAY D	RAMP N GORE		STAGE 3 - EB				52	104	WHITE
ROADWAY D	RAMP N	ROADWAY D	STAGE 3 - EB				659	1318	WHITE
RAMP U	I-55S/64W	RAMP G	STAGE 4 - WB				451	902	YELLOW
RAMP U	I-55S/64W	RAMP G	STAGE 4 - WB				301	602	WHITE
ROADWAY A	PIGGOTT AVE	RAMP T	STAGE 4 - WB				523	1046	YELLOW
ROADWAY A	PIGGOTT AVE	RAMP T	STAGE 4 - WB				692	1384	WHITE
ROADWAY D	ROADWAY D	RAMP N	STAGE 4 - EB				807.5	1615	WHITE
ROADWAY D	ROADWAY D	RAMP O	STAGE 4 - EB				1509.5	3019	YELLOW
ROADWAY D	RAMP N	ROADWAY D	STAGE 4 - EB				557	1114	WHITE
ROADWAY D	RAMP O GORE		STAGE 4 - EB				128	256	YELLOW
ROADWAY D	RAMP O GORE		STAGE 4 - EB				128	256	WHITE
ROADWAY D	ROADWAY D	RAMP N	STAGE 4 - EB				37	74	WHITE
ROADWAY A	RAMP T		STAGE 5 - WB				109.5	219	WHITE
I-55S/64W	@ PSB	PIER ABCD	STAGE 5 - WB				500	1000	YELLOW
I-55S/64W	@ PSB	PIER ABCD	STAGE 5 - WB				500	1000	WHITE
I-55S/64W	@ PSB	PIER ABCD	STAGE 5 - WB				150	300	YELLOW
I-55S/64W	@ PSB	PIER ABCD	STAGE 5 - WB				150	300	WHITE
TOTALS				7060	515	3058	18198	22886	



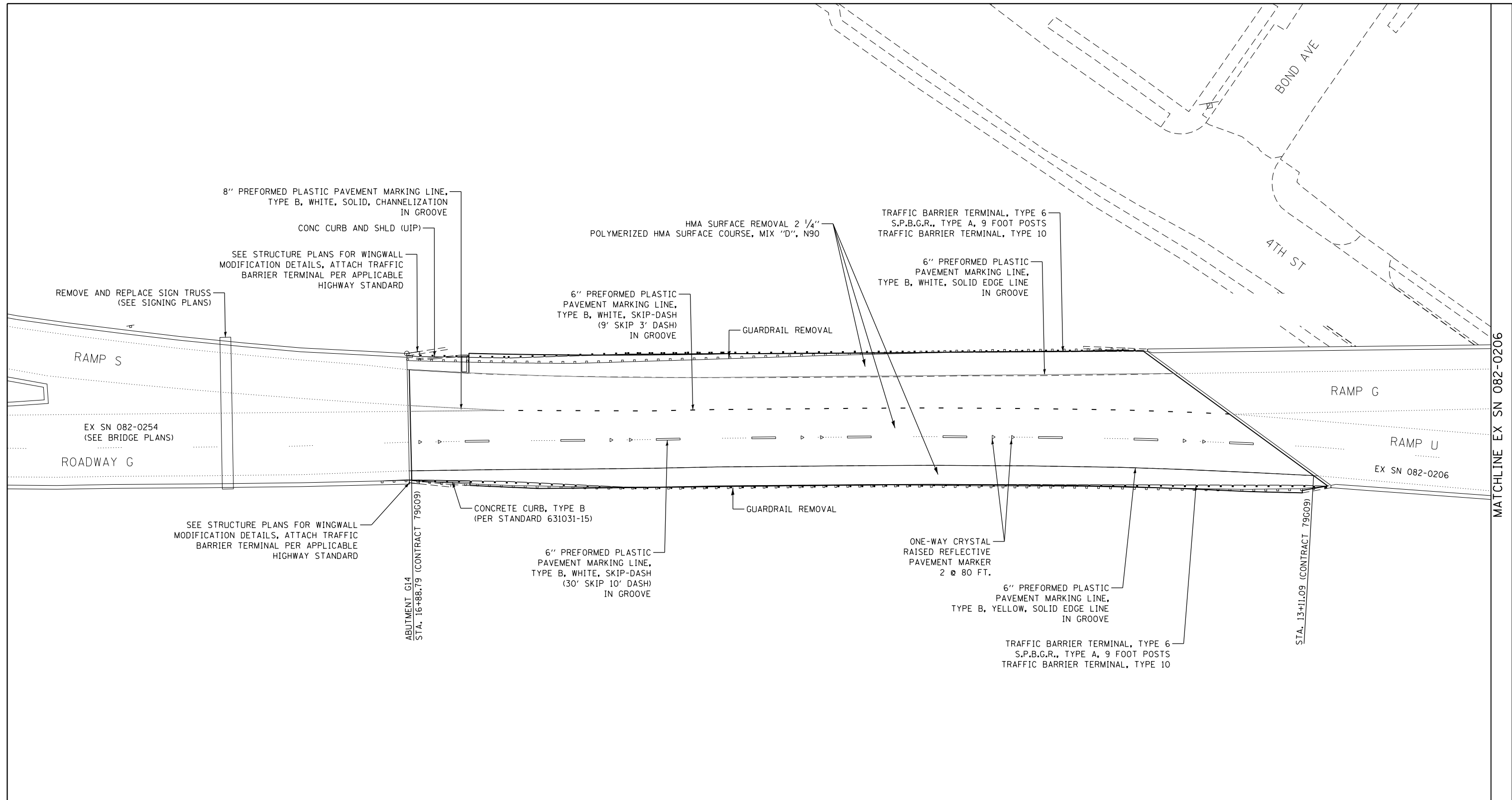
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	DRAWN - MSK	REVISED -
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PLOT DATE = 10/11/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

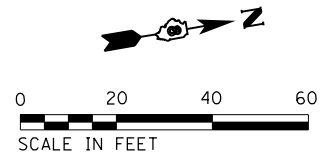
SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	15
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
 2. THE STATIONING SHOWN IS BASED ON A PREVIOUS CONTRACT (79G09) AND IS SHOWN FOR QUANTITY REFERENCE ONLY.
 3. THE COST FOR ANY EXCAVATION OR ROADWAY REMOVAL AND REPLACEMENT REQUIRED FOR CONCRETE CURB, TYPE B CONSTRUCTION AND WING WALL MODIFICATIONS SHOWN ON SHEET 220 OF 235 SHALL BE INCLUDED WITH CONCRETE CURB, TYPE B.



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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

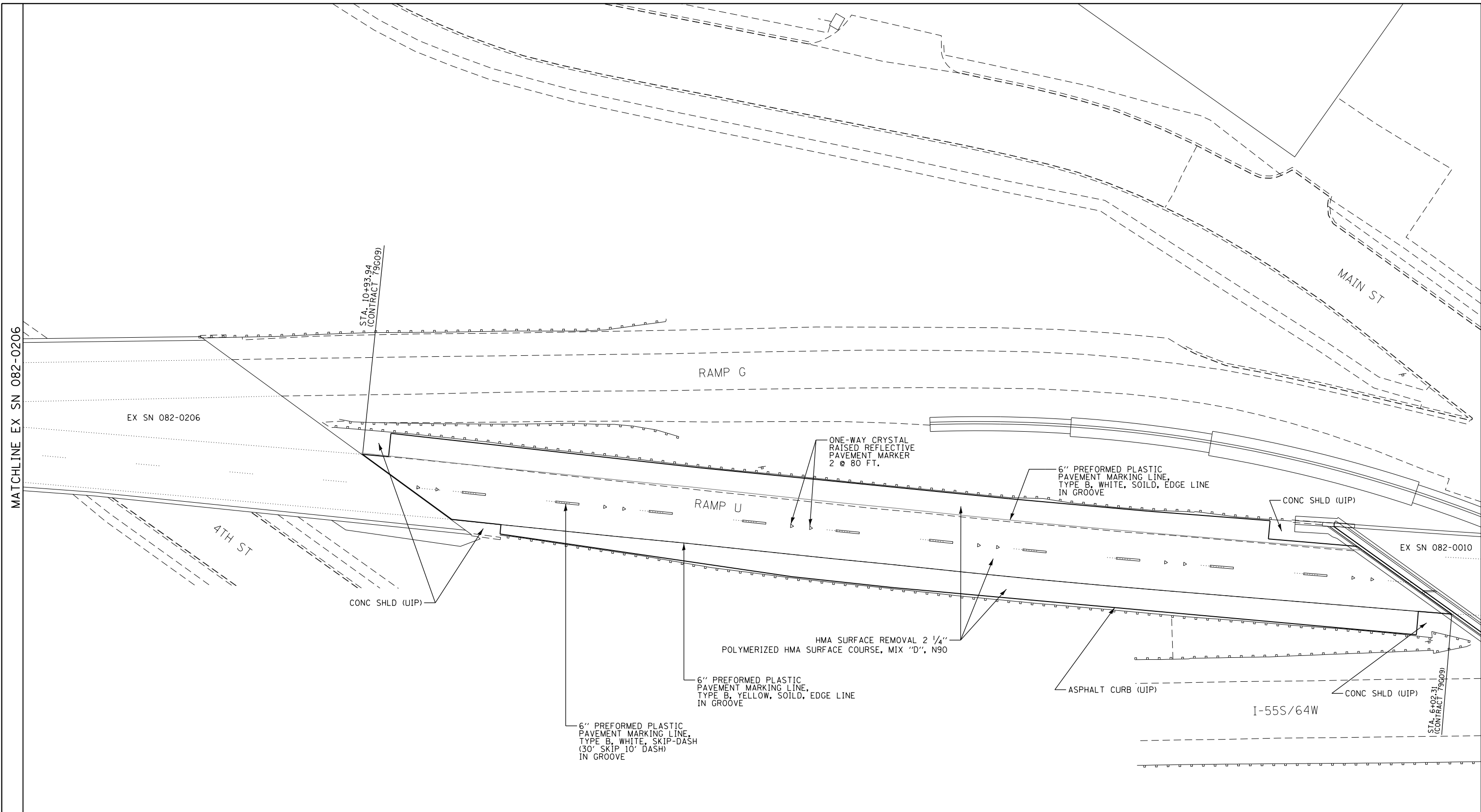
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN, PAVEMENT MARKING, AND REMOVALS

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

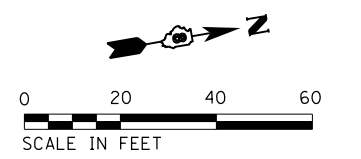
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	16
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

MATCHLINE EX SN 082-0206



NOTES:

1. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
2. THE STATIONING SHOWN IS BASED ON A PREVIOUS CONTRACT (79G09) AND IS SHOWN FOR QUANTITY REFERENCE ONLY.



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USER NAME = jd	DESIGNED - JRD	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MSK	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN, PAVEMENT MARKING, AND REMOVALS

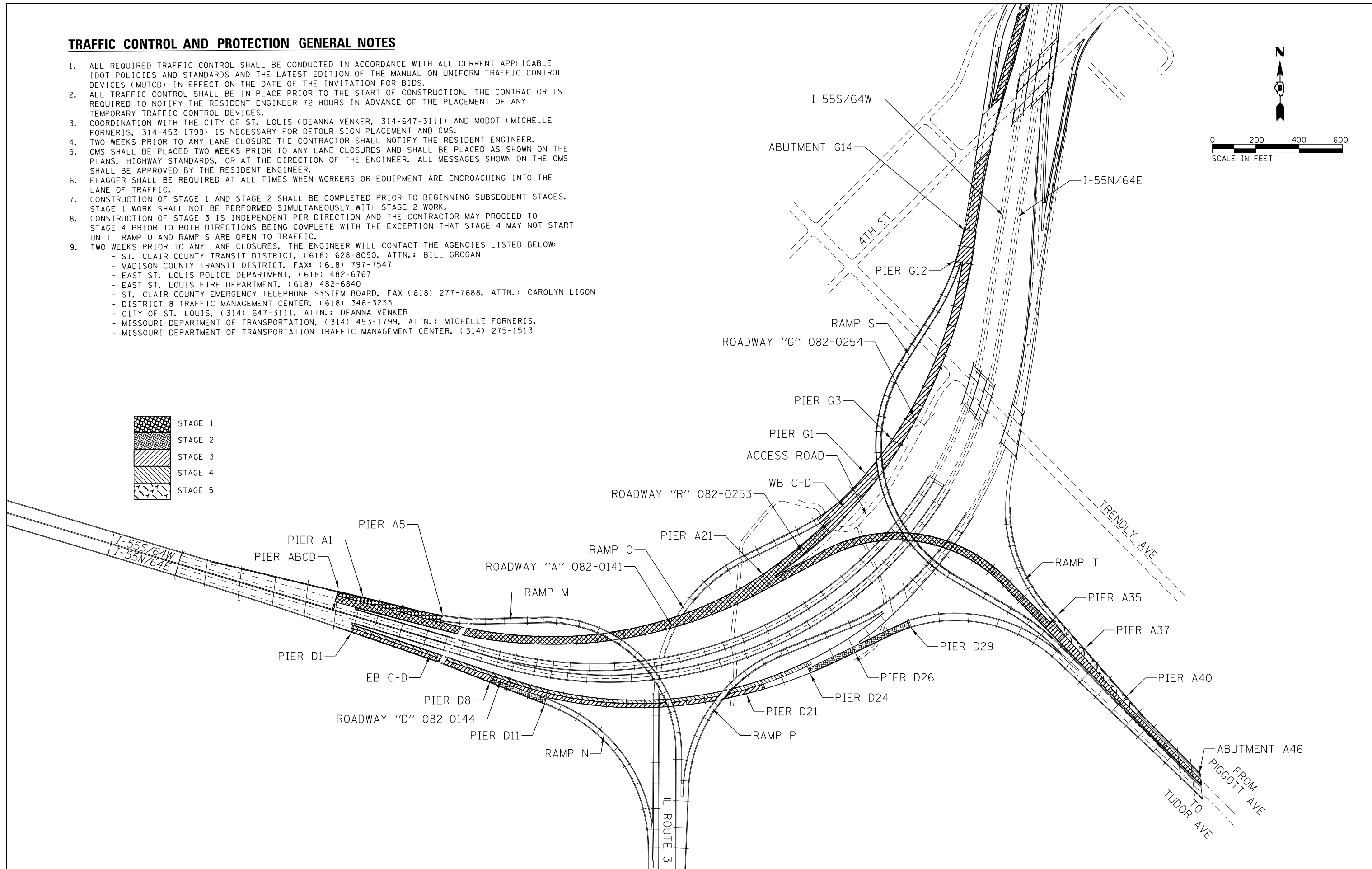
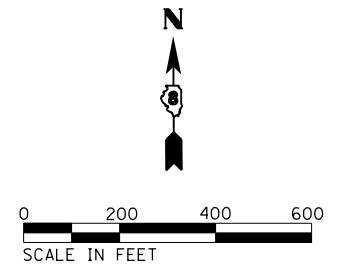
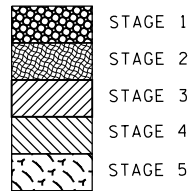
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	17
CONTRACT NO. 76945				

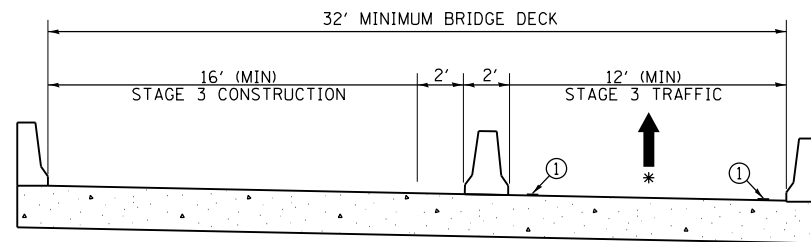
ILLINOIS FED. AID PROJECT

TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

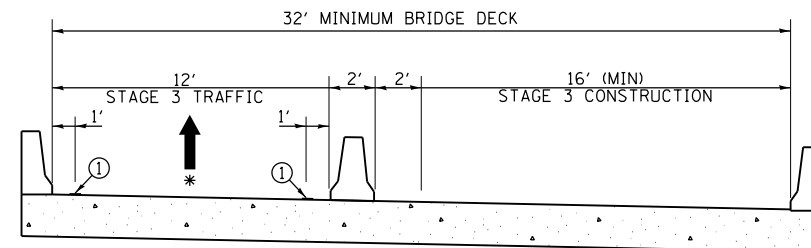
1. ALL REQUIRED TRAFFIC CONTROL SHALL BE CONDUCTED IN ACCORDANCE WITH ALL CURRENT APPLICABLE IDOT POLICIES AND STANDARDS AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) IN EFFECT ON THE DATE OF THE INVITATION FOR BIDS.
2. ALL TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO 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. COORDINATION WITH THE CITY OF ST. LOUIS (DEANNA VENKER, 314-647-3111) AND MODOT (MICHELLE FORNERIS, 314-453-1799) IS NECESSARY FOR DETOUR SIGN PLACEMENT AND CMS.
4. TWO WEEKS PRIOR TO ANY LANE CLOSURE THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER.
5. CMS SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURES 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.
6. FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCROACHING INTO THE LANE OF TRAFFIC.
7. CONSTRUCTION OF STAGE 1 AND STAGE 2 SHALL BE COMPLETED PRIOR TO BEGINNING SUBSEQUENT STAGES. STAGE 1 WORK SHALL NOT BE PERFORMED SIMULTANEOUSLY WITH STAGE 2 WORK.
8. CONSTRUCTION OF STAGE 3 IS INDEPENDENT PER DIRECTION AND THE CONTRACTOR MAY PROCEED TO STAGE 4 PRIOR TO BOTH DIRECTIONS BEING COMPLETE WITH THE EXCEPTION THAT STAGE 4 MAY NOT START UNTIL RAMP O AND RAMP S ARE OPEN TO TRAFFIC.
9. 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



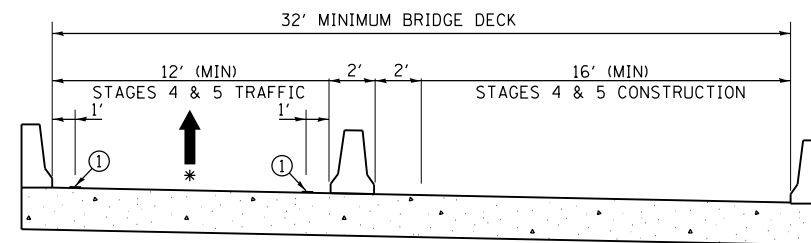
EFK•Moen Civil Engineering Design	USER NAME = jrd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION PSB COMPLEX LOCATION PLAN & GENERAL NOTES	F.A.I. RTE. = 70	SECTION = 82-3HVB-2R-(2,1)-1-2	COUNTY = ST. CLAIR	TOTAL SHEETS = 238	SHEET NO. = 18
	PLOT SCALE = 400.001' / in.	CHECKED - SLD	REVISED -			SCALE: 1"=200'	SHEET 1 OF 44 SHEETS	STA. TO STA.	CONTRACT NO. 76945	
	PLOT DATE = 10/1/2018	DATE = 9/28/2018	REVISED -			ILLINOIS FED. AID PROJECT				



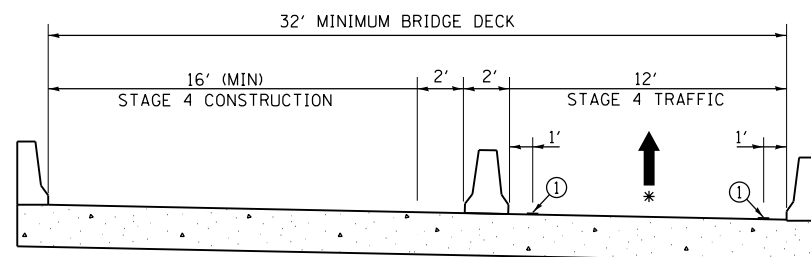
ROADWAY A (PIGGOTT /TUDOR ON-RAMP)
WB C-D STAGE 3
 S.N. 082-0141
 BETWEEN PIER A40 & ABUTMENT A46
 (LOOKING NORTH)



ROADWAY D - EB C-D STAGE 3
 S.N. 082-0144
 (LOOKING EAST)



ROADWAY A (PIGGOTT /TUDOR ON-RAMP)
WB C-D STAGE 4 & STAGE 5
 S.N. 082-0141
 BETWEEN PIER A40 & ABUTMENT A46
 (LOOKING NORTH)

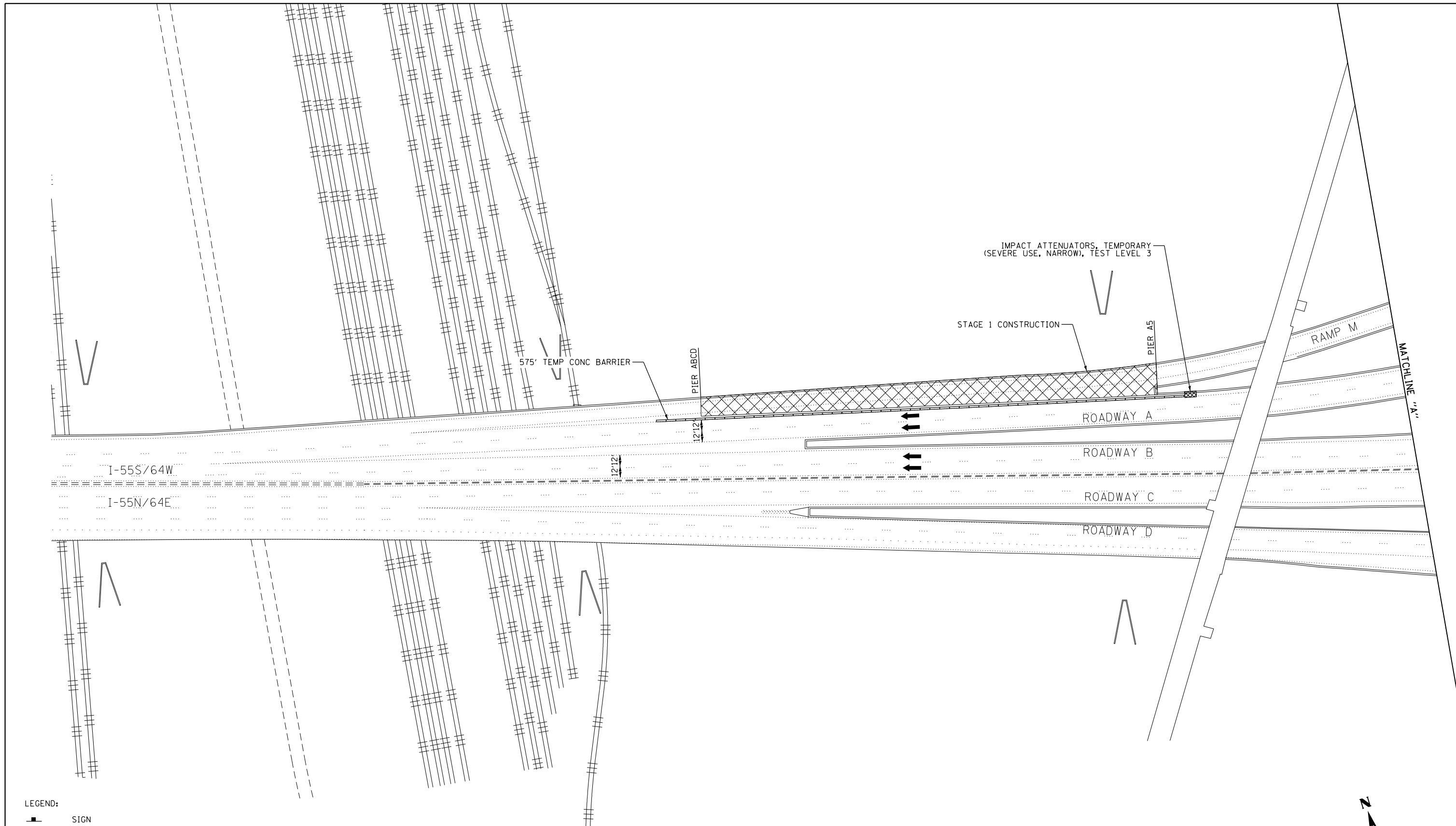


ROADWAY D - EB C-D STAGE 4
 S.N. 082-0144
 (LOOKING EAST)

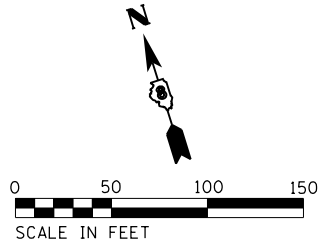
① PAVEMENT MARKING TAPE, TYPE III 6"
 * DIRECTION OF TRAFFIC FLOW

SUGGESTED SEQUENCE OF CONSTRUCTION ON BRIDGE DECKS

- STAGE 1 - RAMP M:**
- CLOSE RAMP M TO ALL TRAFFIC AS SHOWN ON THE STAGE 1 PLANS AND APPLICABLE STANDARDS. A MAXIMUM 2 WEEK CLOSURE OF RAMP M IS PERMITTED.
 - CONSTRUCT REPAIRS BETWEEN PIER ABCD AND PIER A5 ACROSS RAMP M.
- STAGE 2 - EASTBOUND COLLECTOR-DISTRIBUTOR AT RAMP N, ROADWAY D (EXIT TO TUDOR AVE) & I-55SB/64WB MAINLINE ROADWAY:**
- EASTBOUND COLLECTOR-DISTRIBUTOR AT RAMP N AND TUDOR AVENUE EXIT
 - CLOSE RAMP N AND THE RAMP N AUXILIARY LANE FROM THE PSB THROUGH THE GORE OF RAMP N & CLOSE THE AUXILIARY LANE OF ROADWAY D BETWEEN PIER D20 & THE GORE OF ROADWAY D AS SHOWN ON THE STAGE 2 PLANS AND APPLICABLE STANDARDS. A MAXIMUM 2 WEEK CLOSURE OF BOTH EXIT RAMPS IS PERMITTED AND REPAIRS MUST BE CONSTRUCTED SIMULTANEOUSLY.
 - CONSTRUCT REPAIRS BETWEEN PIER D8 AND PIER D11 & PIER D24 AND PIER D29.
 - I-55SB/64WB MAINLINE ROADWAY
 - CONSTRUCT REPAIRS TO THE EXPANSION JOINT AT PIER ABCD ACROSS THE MAINLINE OF I-55S/64W BY STAGING PER STANDARD 701402. A MAXIMUM 1 WEEK LANE CLOSURE IS PERMITTED FOR EACH TRAFFIC SHIFT OR 2 WEEKS TOTAL.
- STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR, PIGGOTT/TUDOR ON-RAMP & EASTBOUND COLLECTOR-DISTRIBUTOR**
- REPAIRS TO THE WB C-D AND EB C-D IN THIS STAGE MAY BE CONSTRUCTED SIMULTANEOUSLY.
 - CLOSE THE WB C-D TO ALL TRAFFIC, ROADWAY A (PIGGOTT/TUDOR ON-RAMP) FROM PIER A22 TO PIER A35, & STAGE ROADWAY A (PIGGOTT/TUDOR ON-RAMP) BETWEEN PIER A35 AND ABUTMENT A46 TO ALLOW ACCESS TO RAMP T AS SHOWN ON THE STAGE 3 PLANS AND APPLICABLE STANDARDS.
 - WESTBOUND COLLECTOR-DISTRIBUTOR
 - CONSTRUCT REPAIRS BETWEEN PIER R3 AND ABUTMENT G14. REPLACE THE OVERHEAD SIGN TRUSSES ACROSS THE WB C-D AT PIER G3 & PIER G13. MILL AND OVERLAY PAVEMENT/SHOULDERS AND REPLACE THE GUARDRAIL AND TERMINALS EAST OF ABUTMENT G14 BETWEEN SN 082-0253 AND SN 082-0206, AND MILL AND OVERLAY PAVEMENT/SHOULDERS BETWEEN SN 082-0206 AND SN 082-0010 AS SHOWN ON THE PLANS. A MAXIMUM 3 WEEK CLOSURE IS PERMITTED TO COMPLETE THIS WORK AND FULLY OPEN RAMP O AND RAMP S TO TRAFFIC.
 - BEGIN CONSTRUCTING REPAIRS BETWEEN PIER ABCD AND PIER R3. AT THE CONCLUSION OF THIS WORK, ALL WB C-D LANES SHALL BE OPENED TO TRAFFIC. A TOTAL OF 5 WEEKS SHALL BE ALLOWED FOR THE FULL CLOSURE OF THE WB C-D TO THRU TRAFFIC.
 - PIGGOTT/TUDOR ON-RAMP TO WB C-D
 - CLOSE ROADWAY A (PIGGOTT/TUDOR ON-RAMP) EAST OF PIER A37 FOR 15 MINUTE INTERVALS TO REMOVE THE OVERHEAD SIGN TRUSS ACROSS ROADWAY A (PIGGOTT/TUDOR ON-RAMP) AT PIER A37. BEGIN CONSTRUCTING REPAIRS BETWEEN PIER A22 AND ABUTMENT A46.
 - EASTBOUND COLLECTOR-DISTRIBUTOR
 - CLOSE THE RIGHT LANE OF THE EB C-D, RAMP N AUXILIARY LANE, AND ROADWAY D AUXILIARY LANE FROM THE PSB THROUGH PIER D22 AS SHOWN ON THE STAGE 3 PLANS AND APPLICABLE STANDARDS. ACCESS TO RAMP N AND ROADWAY D (TUDOR AVENUE EXIT) SHALL BE MAINTAINED AT ALL TIMES.
 - CONSTRUCT REPAIRS BETWEEN PIER D1 AND PIER D8. SHIFT TCP NEAR THE GORE AT RAMP N WEST TO MAINTAIN ACCESS TO RAMP N.
 - CONSTRUCT REPAIRS BETWEEN PIER D9 AND PIER D22.
- STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR, PIGGOTT/TUDOR ON-RAMP & EASTBOUND COLLECTOR-DISTRIBUTOR**
- REPAIRS TO THE WB C-D AND EB C-D IN THIS STAGE MAY BE CONSTRUCTED SIMULTANEOUSLY.
 - OPEN RAMP O AND RAMP S AND KEEP CLOSED THE WB C-D AS SHOWN ON THE STAGE 4 PLANS AND APPLICABLE STANDARDS.
 - WESTBOUND COLLECTOR-DISTRIBUTOR
 - COMPLETE REPAIRS BETWEEN PIER ABCD AND PIER R3 STARTED UNDER STAGE 3. AT THE CONCLUSION OF THIS WORK ALL WB C-D LANES SHALL BE OPENED TO TRAFFIC. A TOTAL OF 5 WEEKS SHALL BE ALLOWED FOR THE FULL CLOSURE OF THE WB C-D TO THRU TRAFFIC.
 - PIGGOTT/TUDOR ON-RAMP
 - COMPLETE CONSTRUCTING REPAIRS BETWEEN PIER A22 AND ABUTMENT A46 STARTED UNDER STAGE 3.
 - EASTBOUND COLLECTOR-DISTRIBUTOR
 - CLOSE LEFT LANE OF THE EB C-D FROM THE PSB TO PIER D25 AS SHOWN ON THE STAGE 4 PLANS AND APPLICABLE STANDARDS.
 - CONSTRUCT REPAIRS BETWEEN PIER D1 AND PIER D24.
- STAGE 5 - RAMP T & PIGGOTT/TUDOR ON-RAMP**
- CLOSE RAMP T TO ALL TRAFFIC AS SHOWN ON THE PLANS; A MAXIMUM 1 WEEK CLOSURE IS PERMITTED.
 - CONSTRUCT REPAIRS BETWEEN PIER A35 AND PIER A41.
 - CLOSE ROADWAY A (PIGGOTT/TUDOR ON-RAMP) EAST OF PIER A37 FOR 15 MINUTE INTERVALS TO INSTALL THE OVERHEAD SIGN TRUSS ACROSS ROADWAY A (PIGGOTT/TUDOR ON-RAMP) AT PIER A37.



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



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Civil Engineering Design

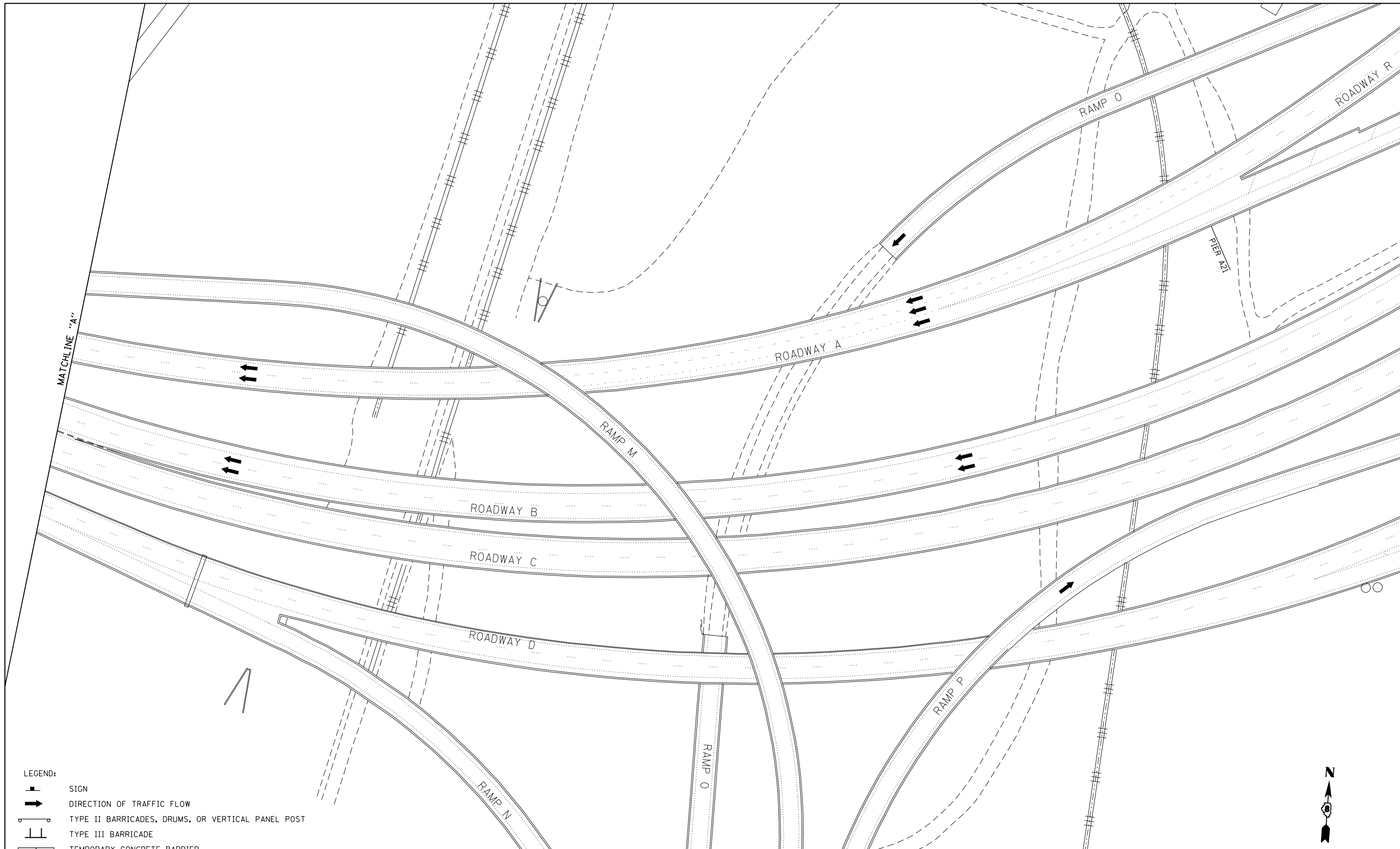
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	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1 - RAMP M

SCALE: 1"=50' SHEET 3 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	20
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

EFK Moen
Civil Engineering Design

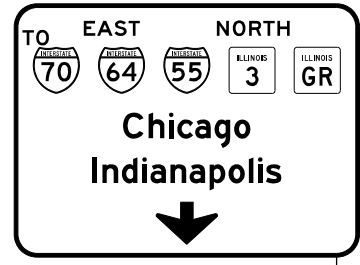
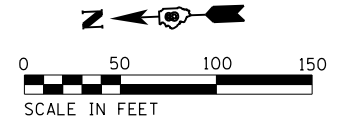
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	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1 - RAMP M

SCALE: 1"=50' SHEET 4 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	21
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



COVER ARROW AND INSTALL "CLOSED" PLAQUE

MODIFY OVERHEAD SIGN

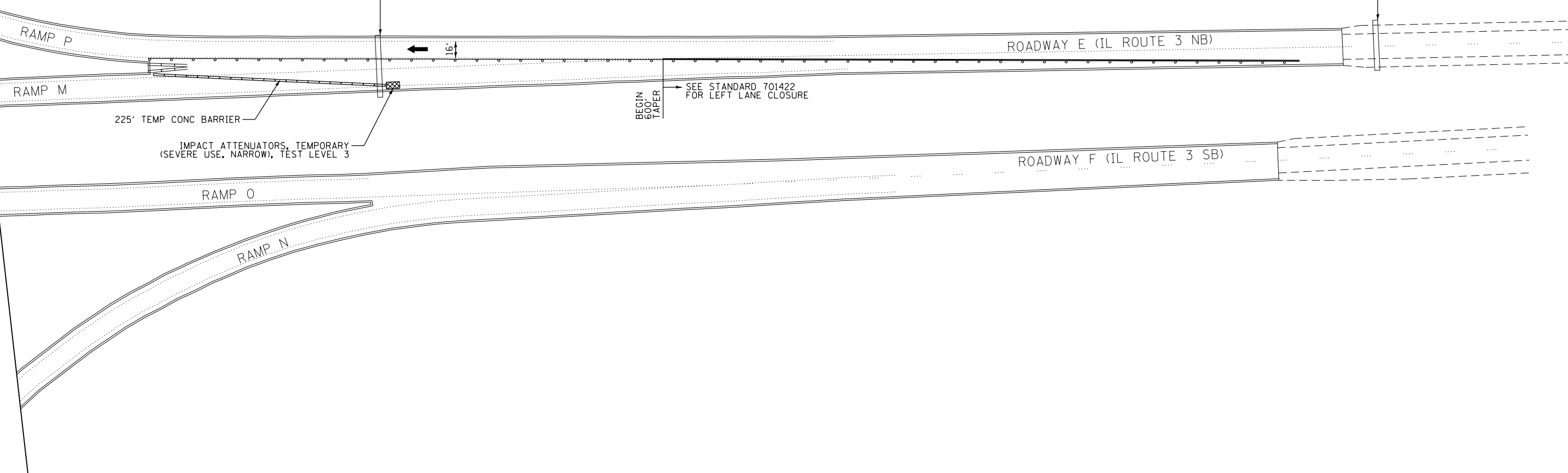
COVER ARROW AND INSTALL "CLOSED" PLAQUE

MODIFY OVERHEAD SIGN

SEE RAMP M DETOUR SIGNAGE DETAIL

SEE STANDARD 701422 FOR LEFT LANE CLOSURE

MATCHLINE "F"



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

EFK Moen
Civil Engineering Design

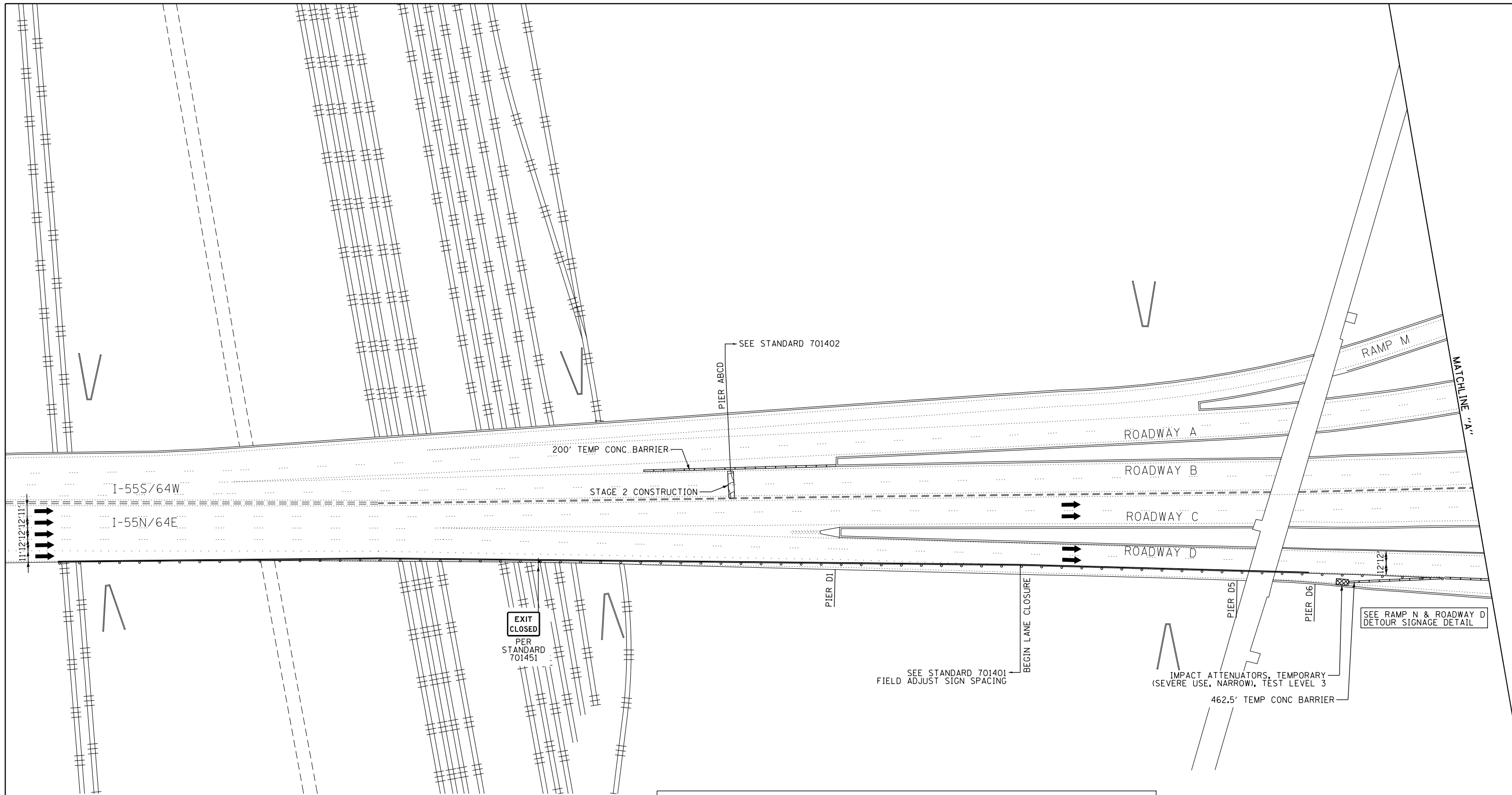
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PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

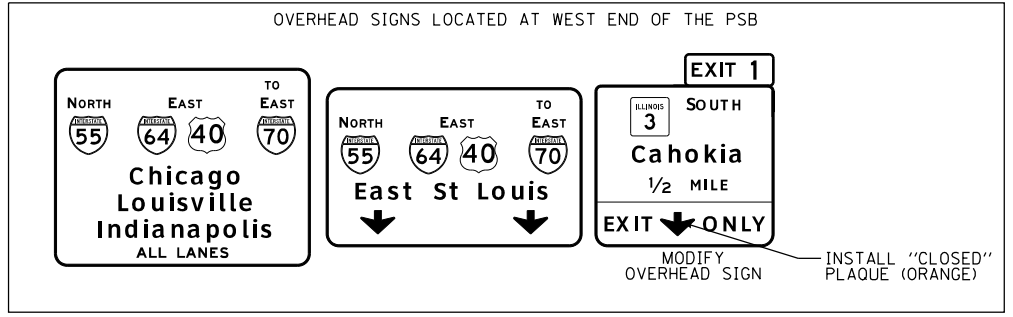
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 1 - RAMP M

SCALE: 1"=50' SHEET 5 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	22
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

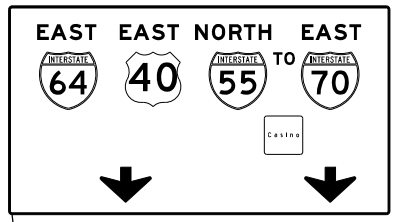
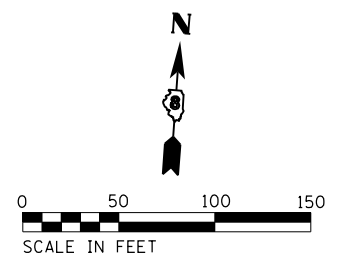


EFK Moen Civil Engineering Design	USER NAME = jrd	DESIGNED - JRD	REVISED -
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	PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
		DATE - 9/28/2018	REVISED -

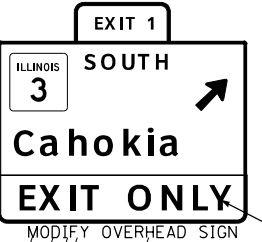
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2 - RAMP N, ROADWAY D & I-55SB/64WB MAINLINE ROADWAY
SCALE: 1"=50' SHEET 6 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HV-2R-(2,1)-1-2	ST. CLAIR	238	23
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



13th Street
Tudor Ave
MILE
1/4



INSTALL "CLOSED" PLAQUE (ORANGE)

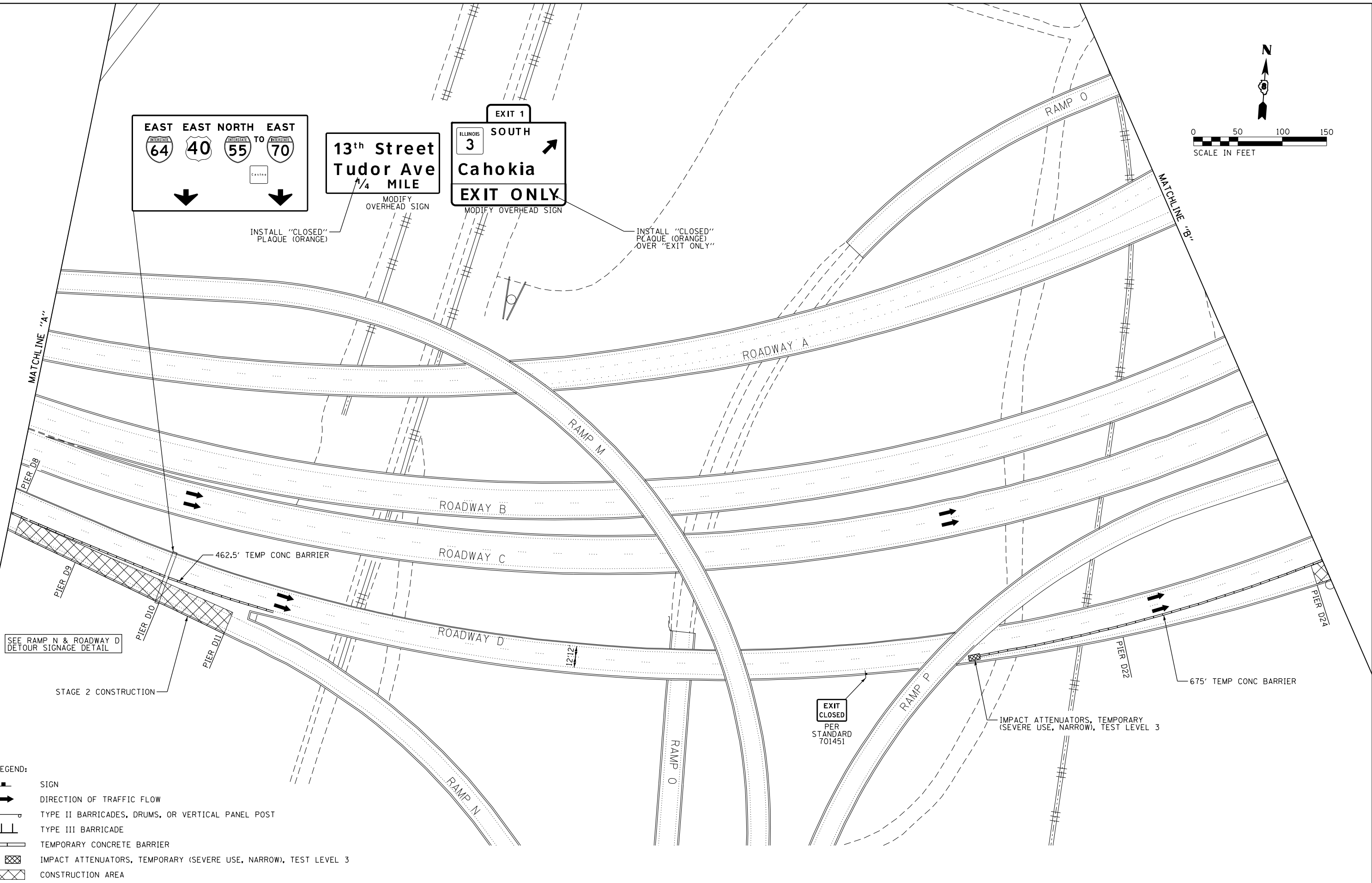
MODIFY OVERHEAD SIGN

MODIFY OVERHEAD SIGN

INSTALL "CLOSED" PLAQUE (ORANGE) OVER "EXIT ONLY"

MATCHLINE "A"

MATCHLINE "B"



SEE RAMP N & ROADWAY D
DETOUR SIGNAGE DETAIL

STAGE 2 CONSTRUCTION

EXIT
CLOSED
PER
STANDARD
701451

IMPACT ATTENUATORS, TEMPORARY
(SEVERE USE, NARROW), TEST LEVEL 3

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

EFK Moen
Civil Engineering Design

USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -








STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

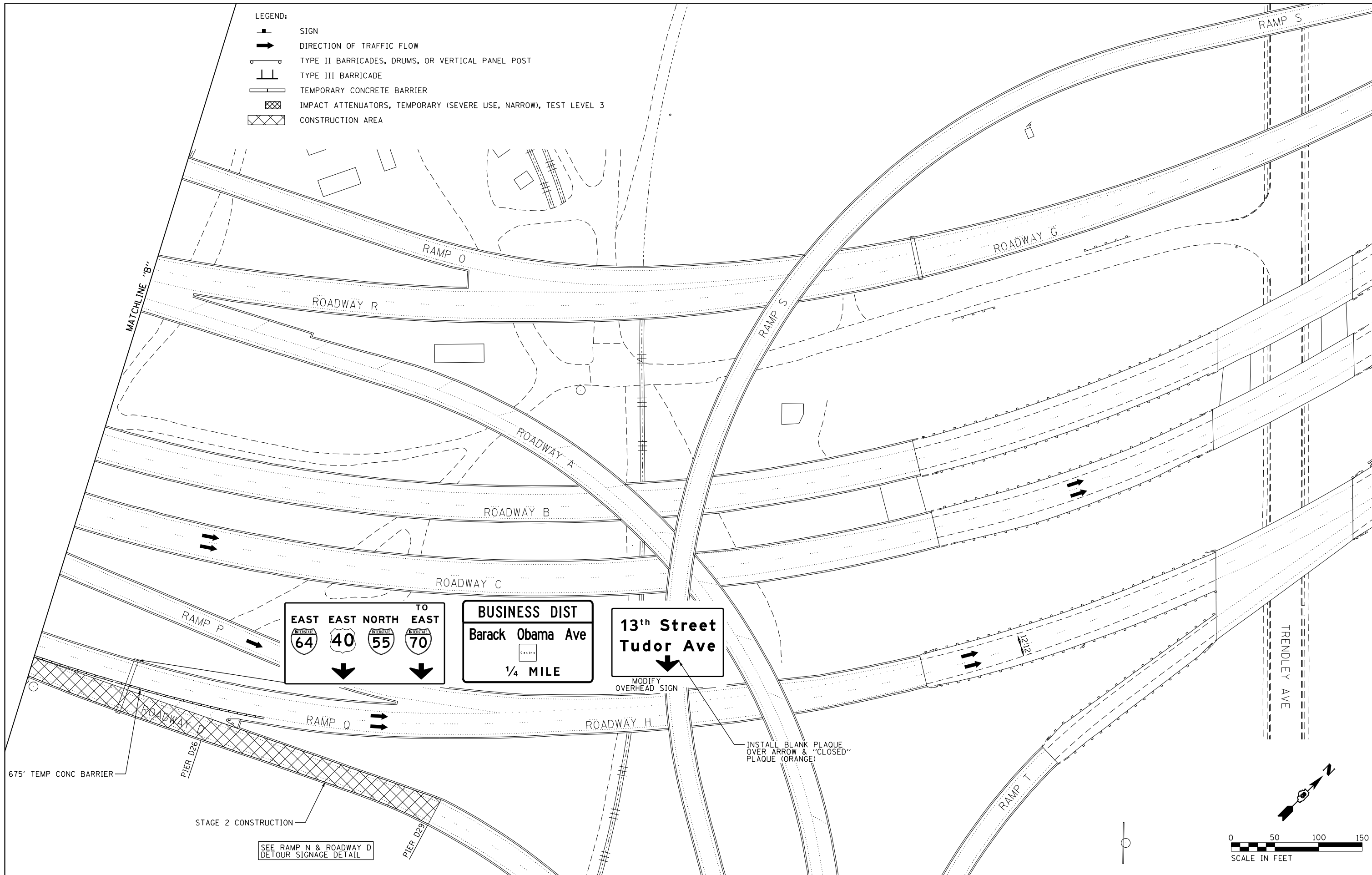
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2 - RAMP N, ROADWAY D & I-55SB/64WB MAINLINE ROADWAY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	24
CONTRACT NO. 76945				

SCALE: 1"=50' SHEET 7 OF 44 SHEETS STA. TO STA.

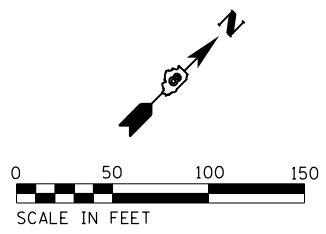
ILLINOIS FED. AID PROJECT

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



SEE RAMP N & ROADWAY D
DETOUR SIGNAGE DETAIL

INSTALL BLANK PLAQUE
OVER ARROW & "CLOSED"
PLAQUE (ORANGE)



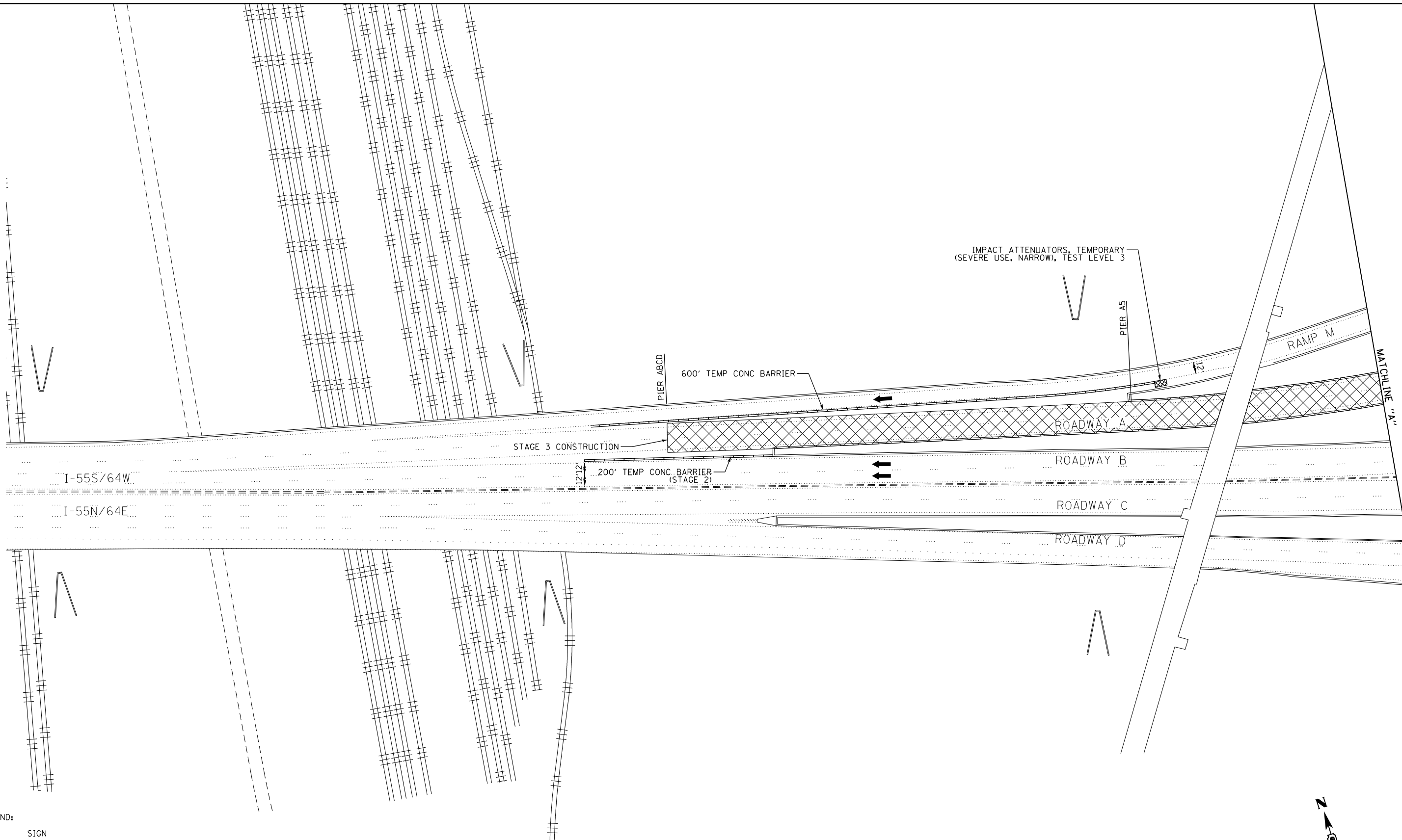
EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

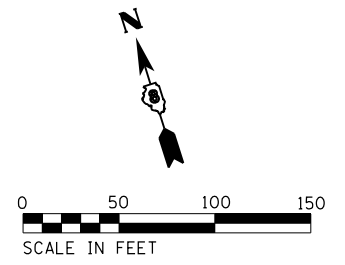
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 2 - RAMP N, ROADWAY D & I-55SB/64WB MAINLINE ROADWAY
SCALE: 1"=50' SHEET 8 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	25
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



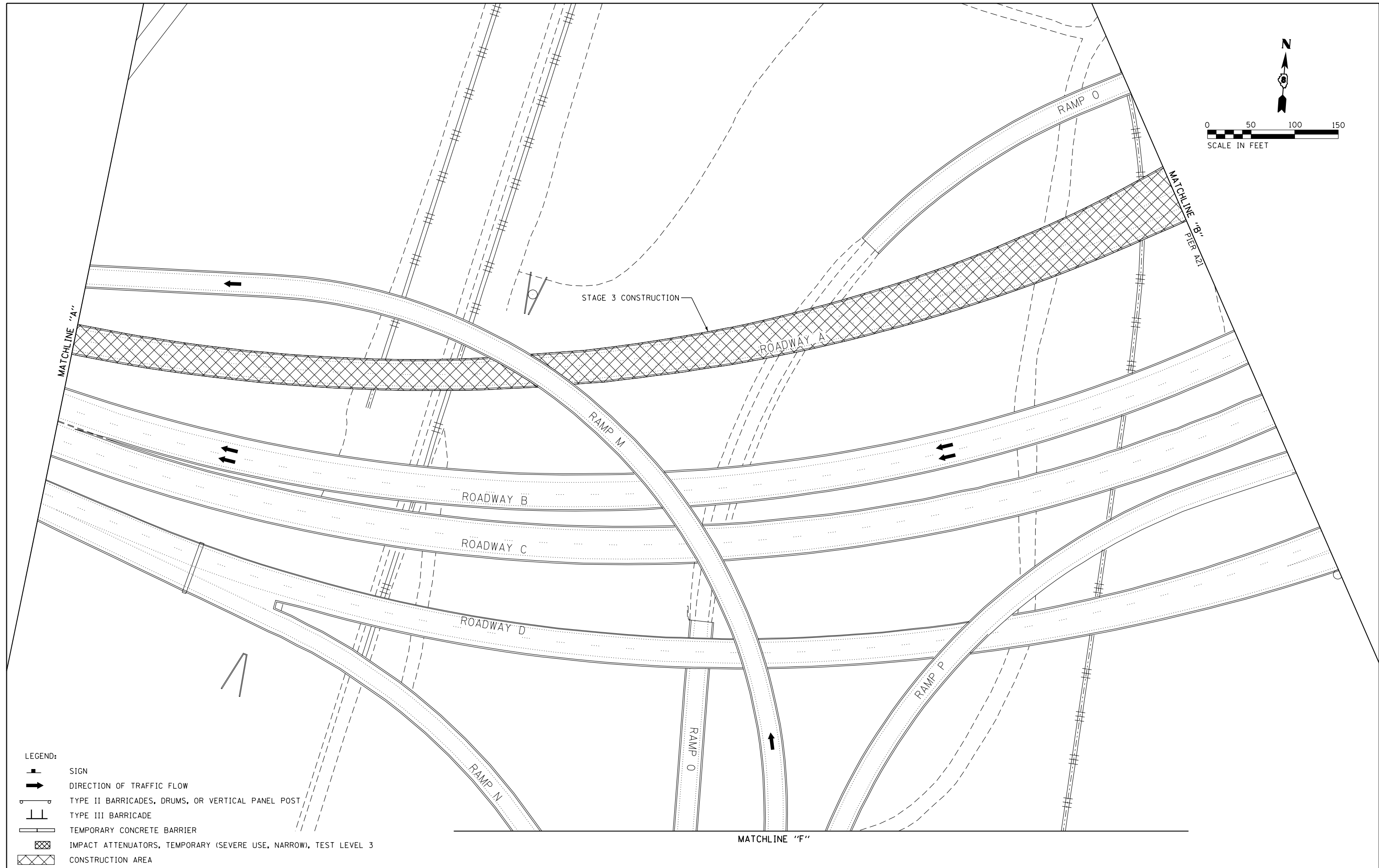
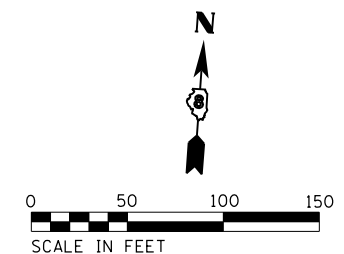
EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 9 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	26
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -
PLOT DATE = 10/11/2018	DATE - 9/28/2018	REVISED -

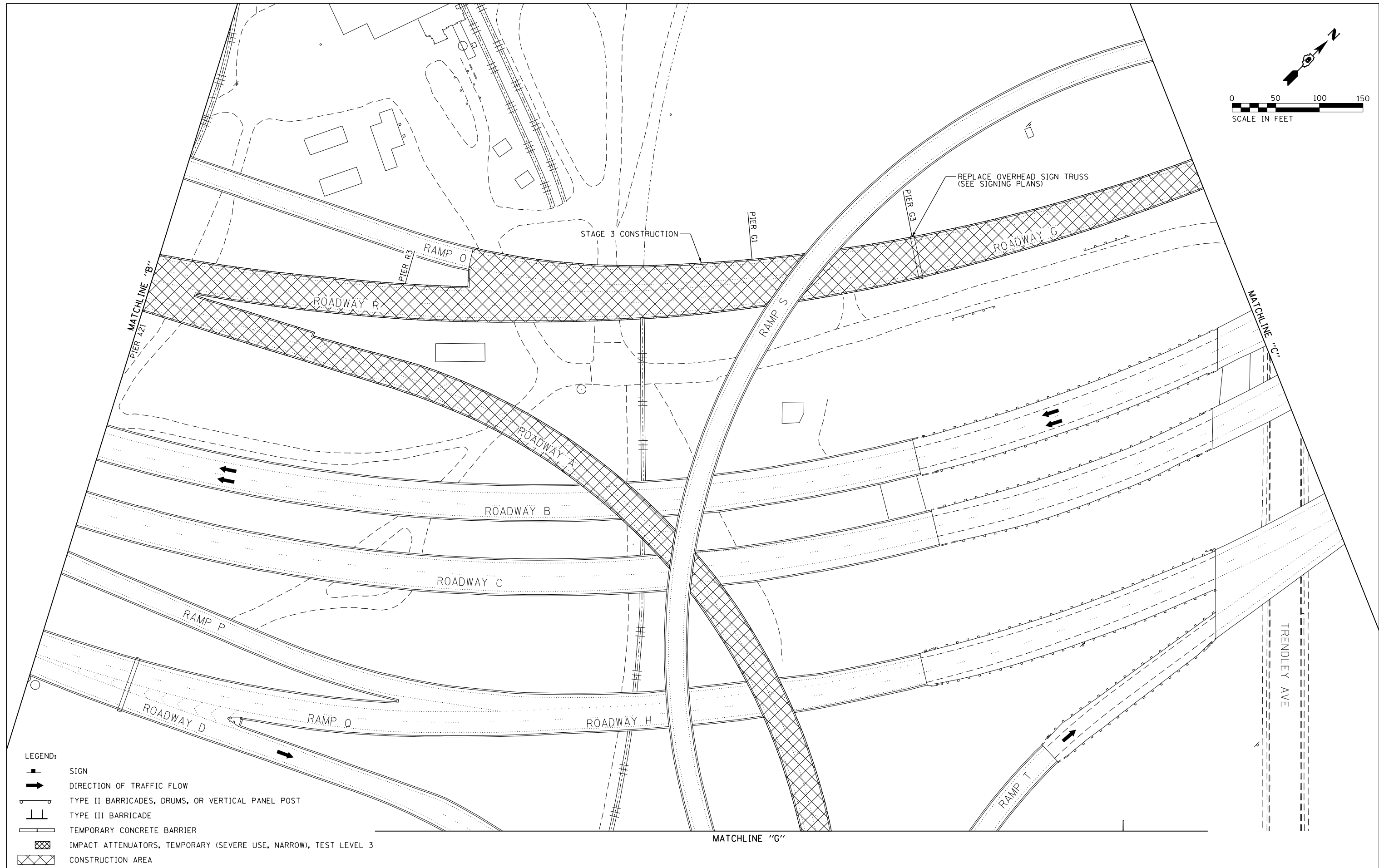
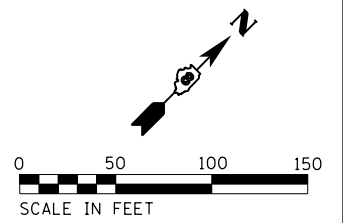
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 10 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	27
				CONTRACT NO. 76945

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

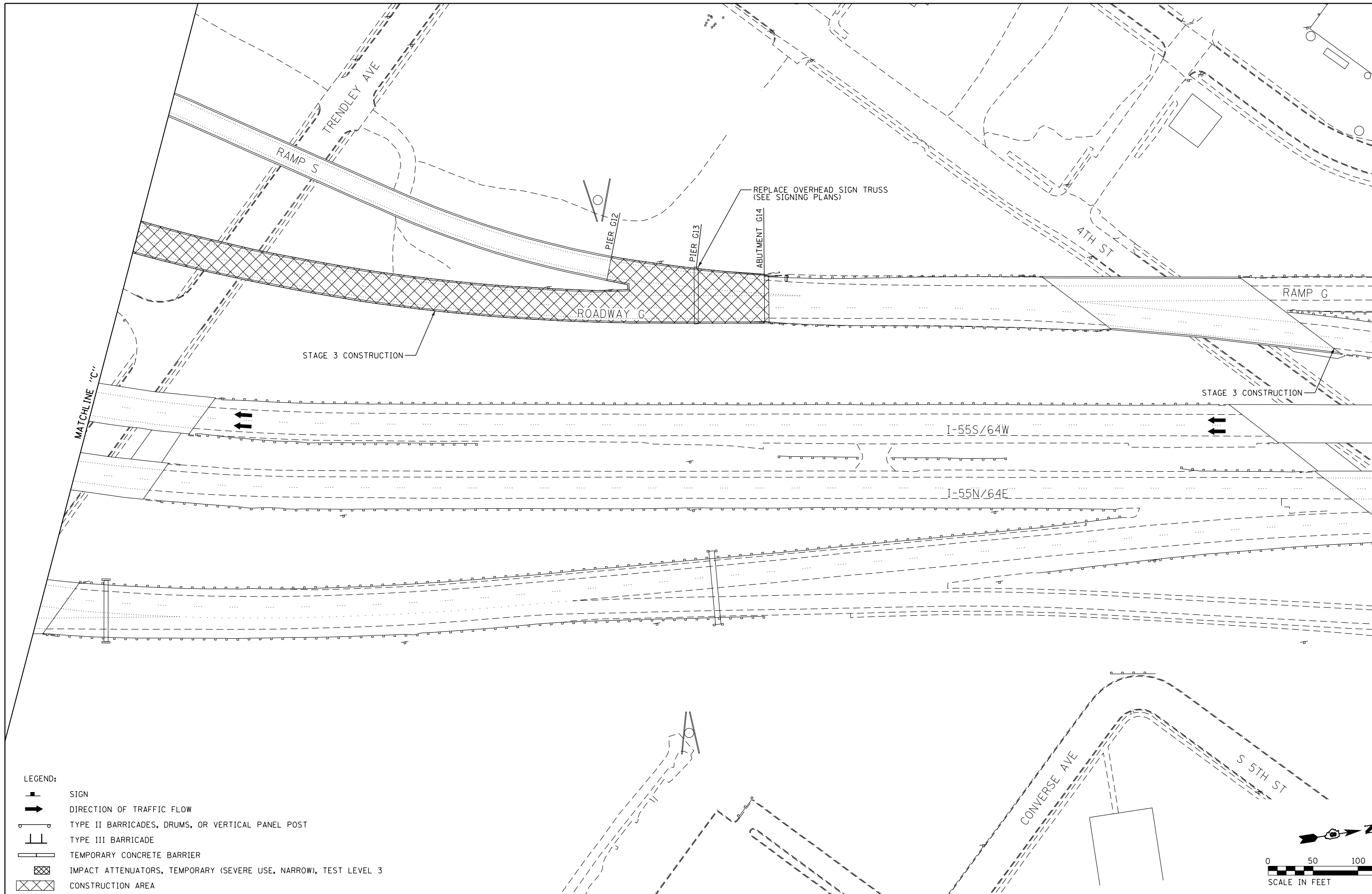
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

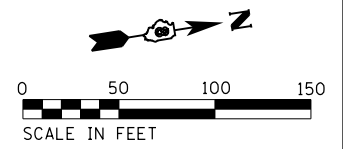
SCALE: 1"=50' SHEET 11 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	28
CONTRACT NO. 76945				

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



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Civil Engineering Design

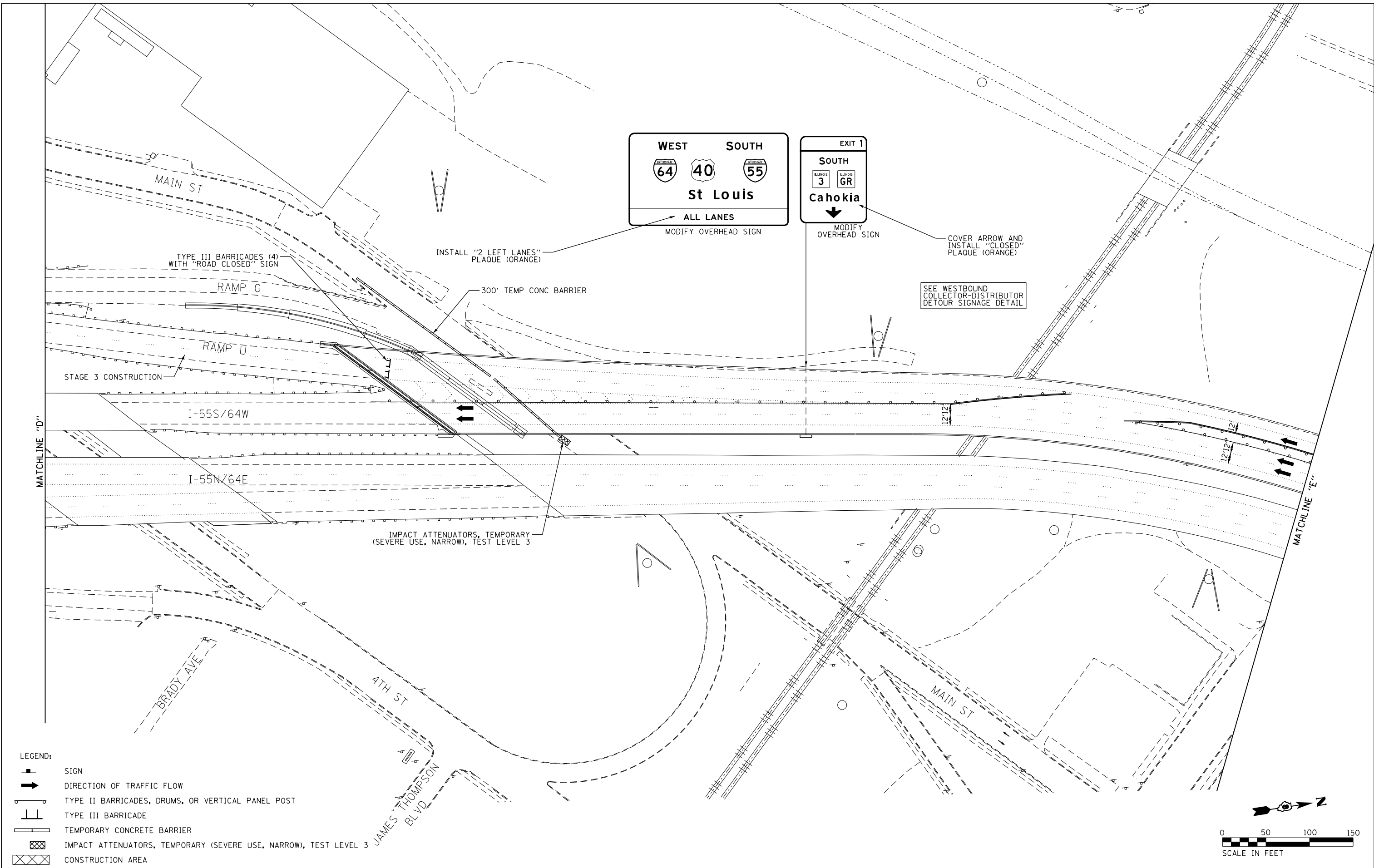
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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

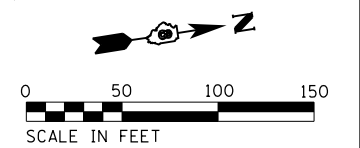
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 12 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	29
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

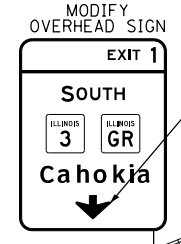
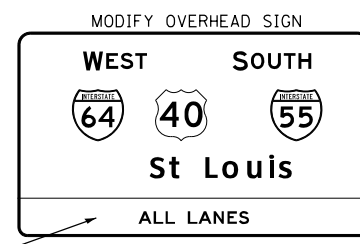
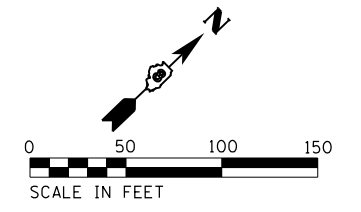
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PLOT DATE = 10/11/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 13 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	30
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



COVER ARROW AND INSTALL "CLOSED" PLAQUE (ORANGE)

SEE STANDARD 701401 FIELD ADJUST SIGN SPACING

INSTALL "2 LEFT LANES" PLAQUE (ORANGE)

RIVERPARK DR

MLK CONNECTOR

N 2ND ST

BEGIN 1000' TAPER

RAMP 1

RAMP 2

I-55S/64W

I-55N/64E

MATCHLINE "E"

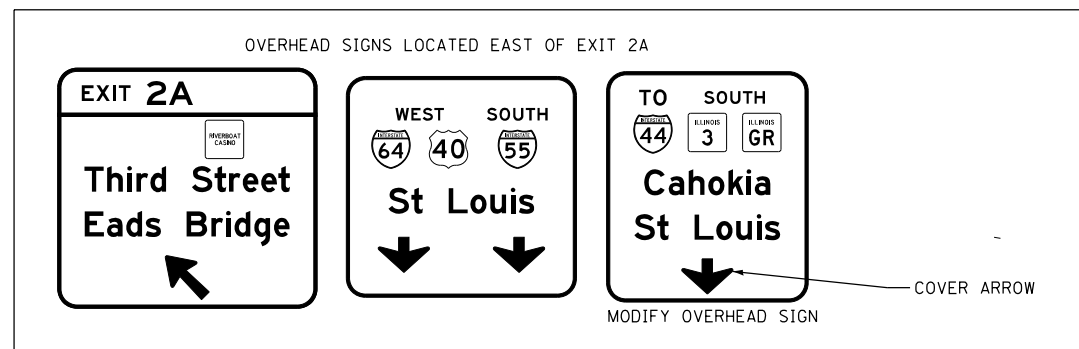
E BROADWAY

3RD ST

MISSOURI AVE

3RD ST

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



USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

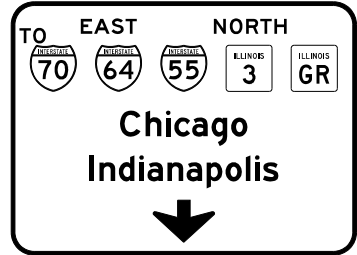
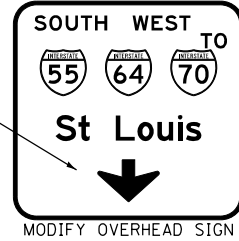
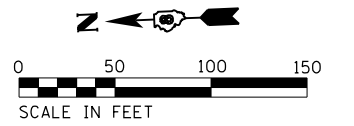
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 14 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	31
CONTRACT NO. 76945				

ILLINOIS FED. AID PROJECT



REMOVE ARROW
COVER AND
"CLOSED" PLAQUE

MODIFY
OVERHEAD
SIGN

REMOVE ARROW
COVER AND
"CLOSED" PLAQUE

MATCHLINE "F"

RAMP P

RAMP M

RAMP O

RAMP N

ROADWAY E (IL ROUTE 3 NB)

ROADWAY F (IL ROUTE 3 SB)

←

←

LEGEND:

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

EFK Moen
Civil Engineering Design

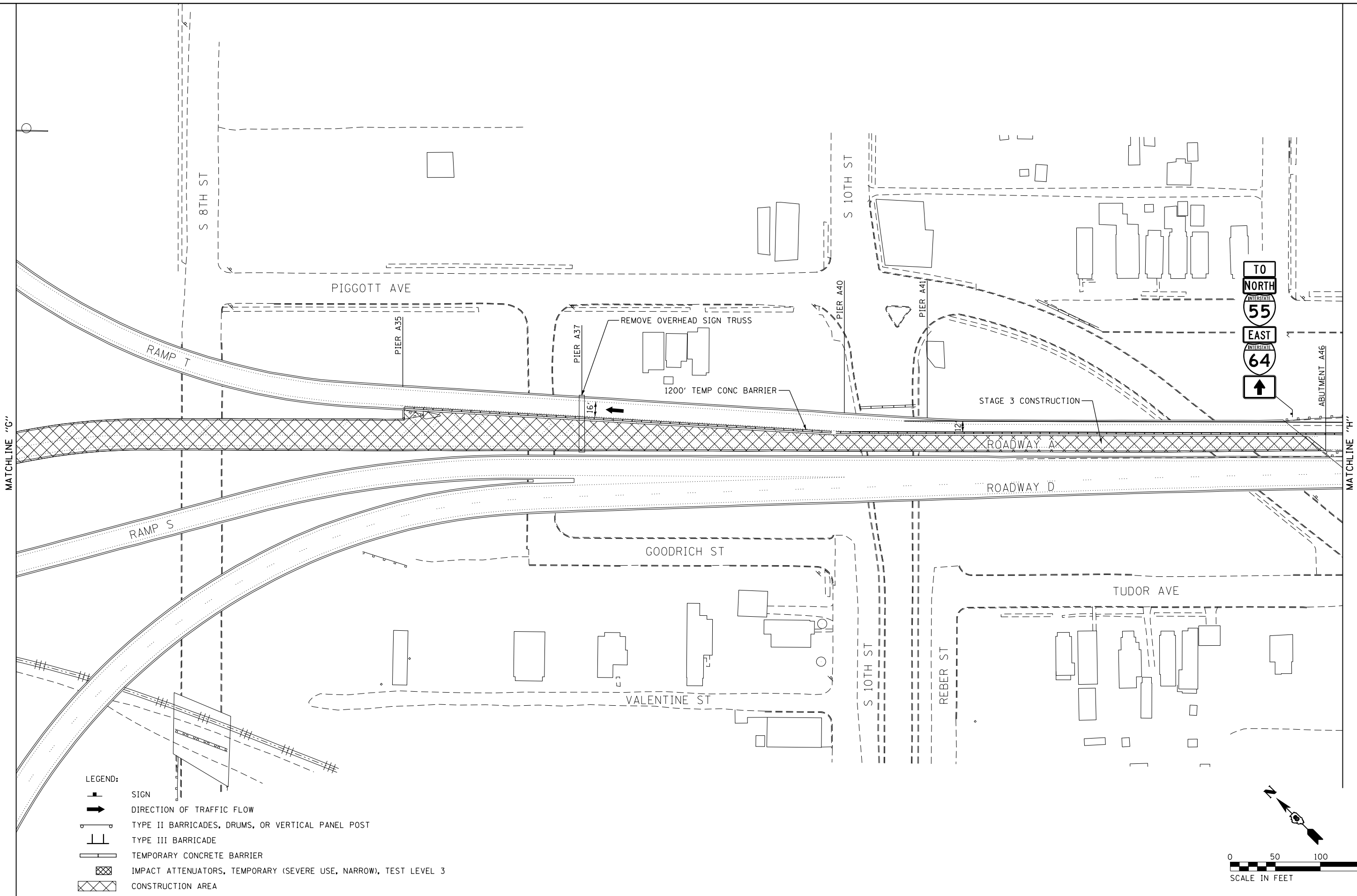
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PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

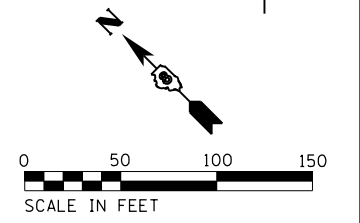
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 15 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	32
				CONTRACT NO. 76945
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

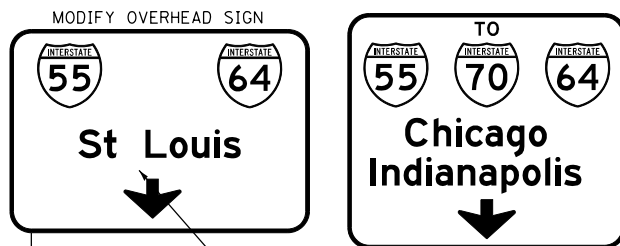
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

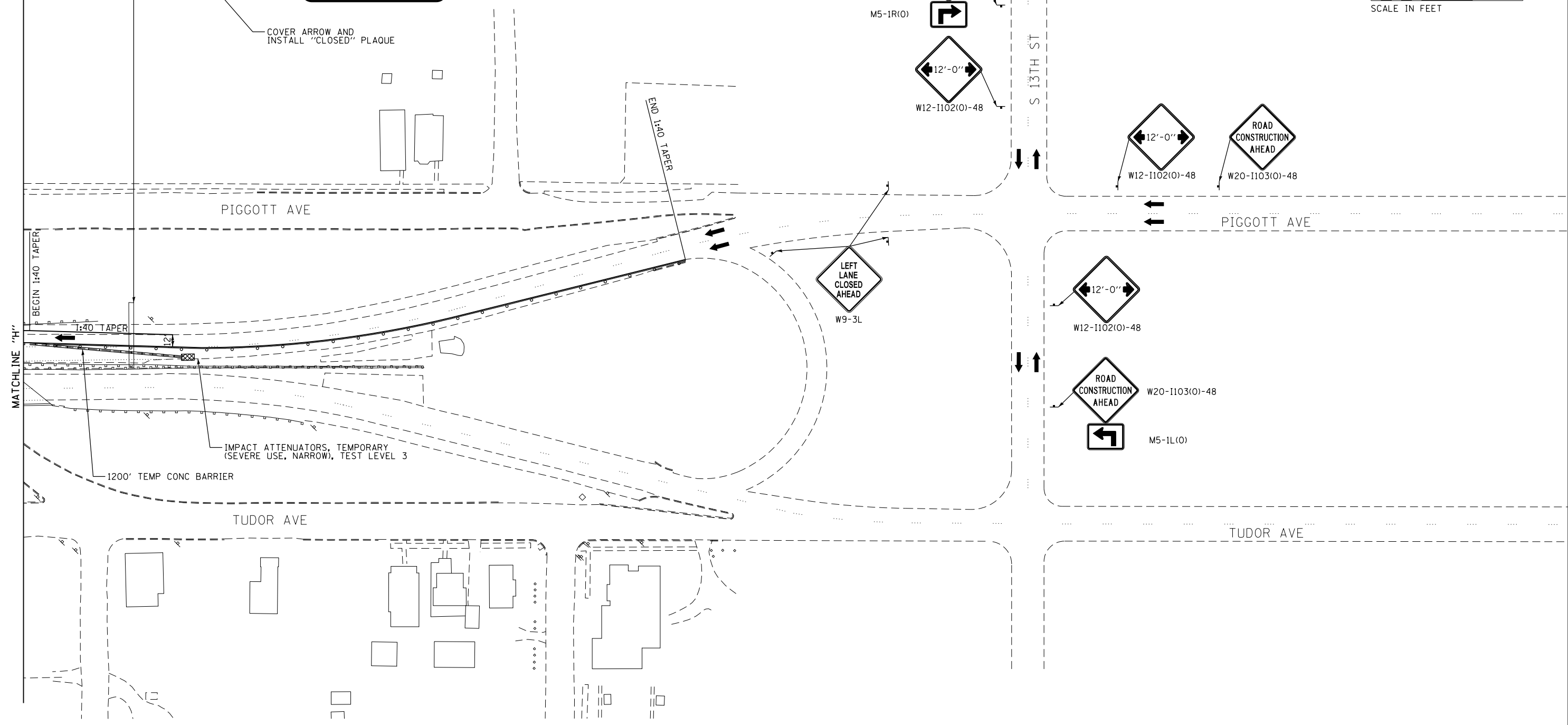
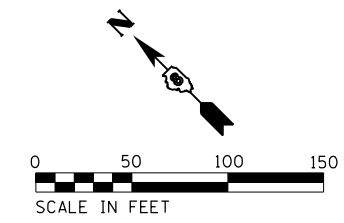
SCALE: 1"=50' SHEET 16 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	33
CONTRACT NO. 76945				

ILLINOIS FED. AID PROJECT



COVER ARROW AND INSTALL "CLOSED" PLAQUE



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

EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

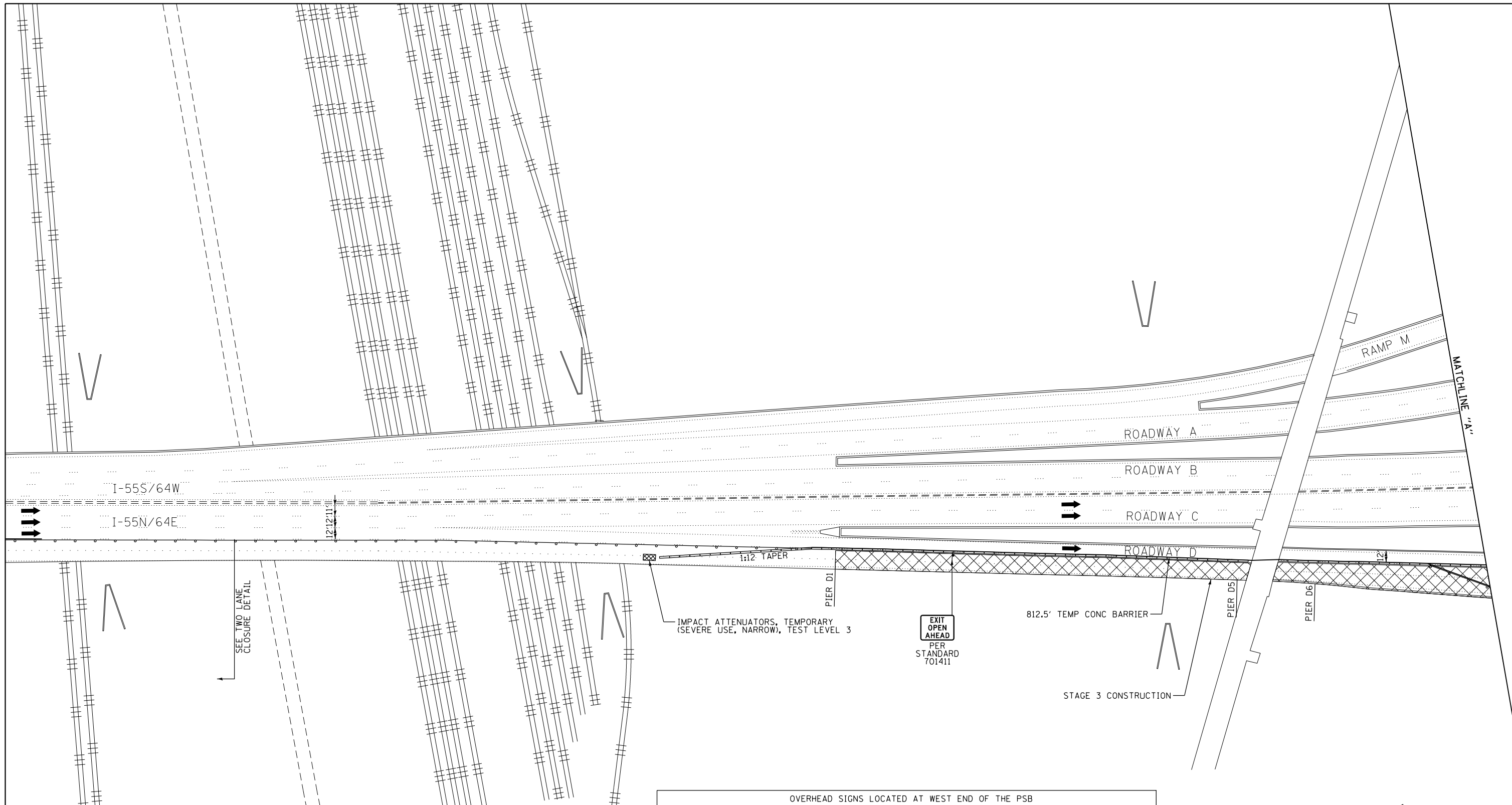
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - WESTBOUND COLLECTOR-DISTRIBUTOR

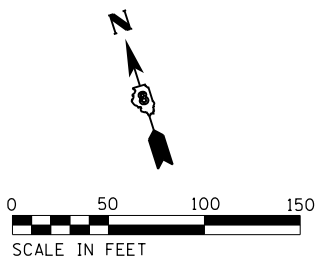
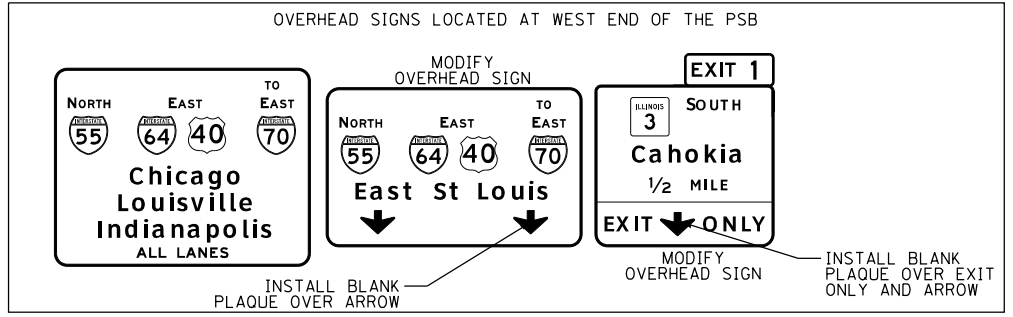
SCALE: 1"=50' SHEET 17 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	34
CONTRACT NO. 76945				

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

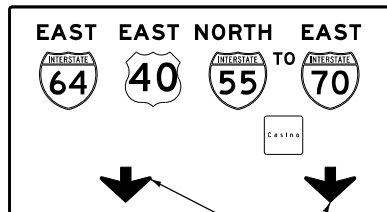
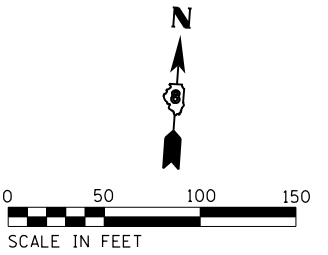
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - EASTBOUND COLLECTOR-DISTRIBUTOR

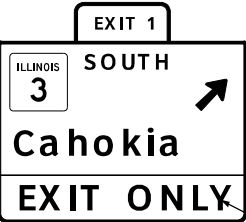
SCALE: 1"=50' SHEET 18 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	35
CONTRACT NO. 76945				

ILLINOIS FED. AID PROJECT



13th Street
Tudor Ave
1/4 MILE

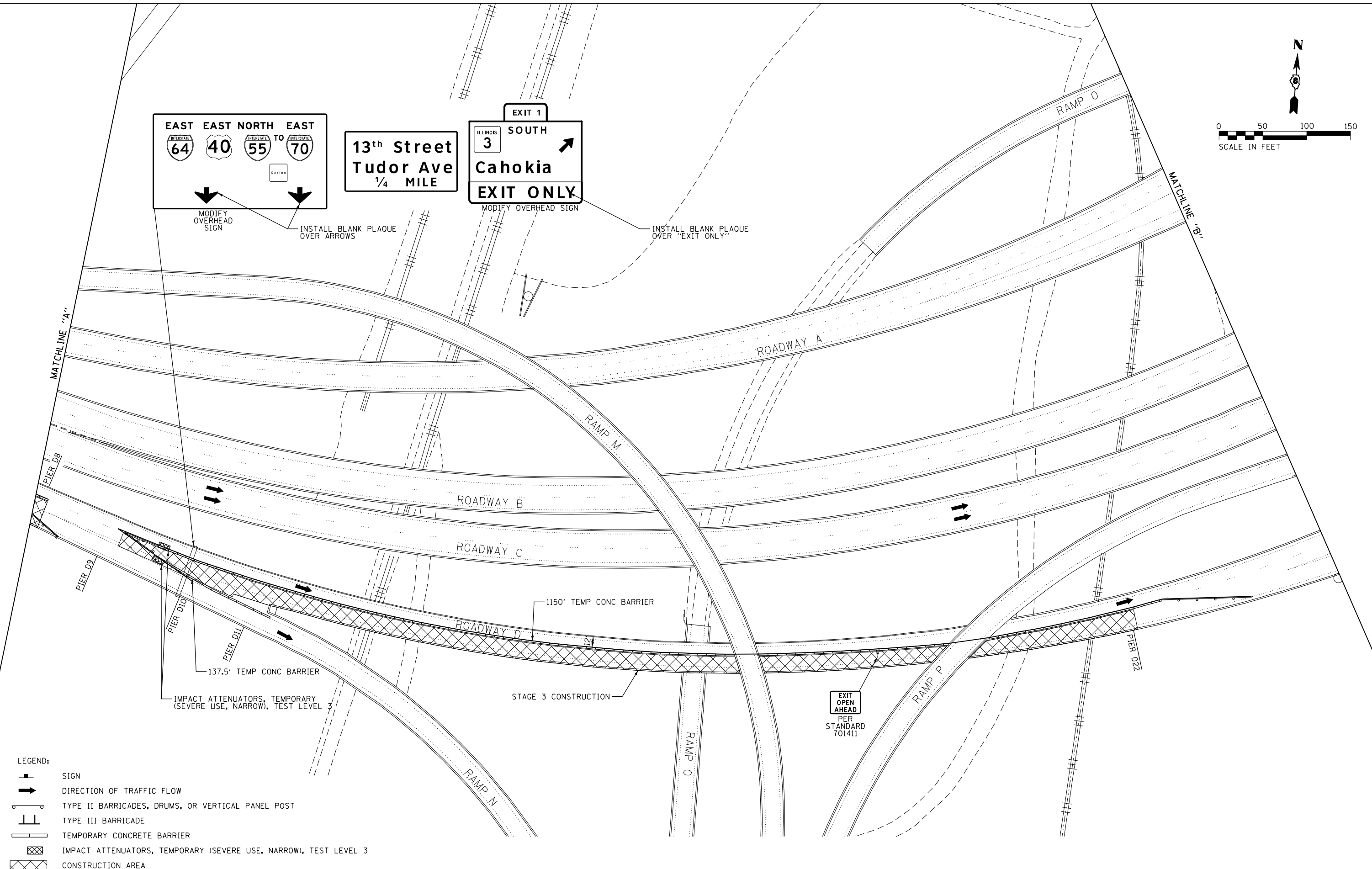


MODIFY OVERHEAD SIGN

INSTALL BLANK PLAQUE OVER ARROWS

MODIFY OVERHEAD SIGN

INSTALL BLANK PLAQUE OVER "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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA








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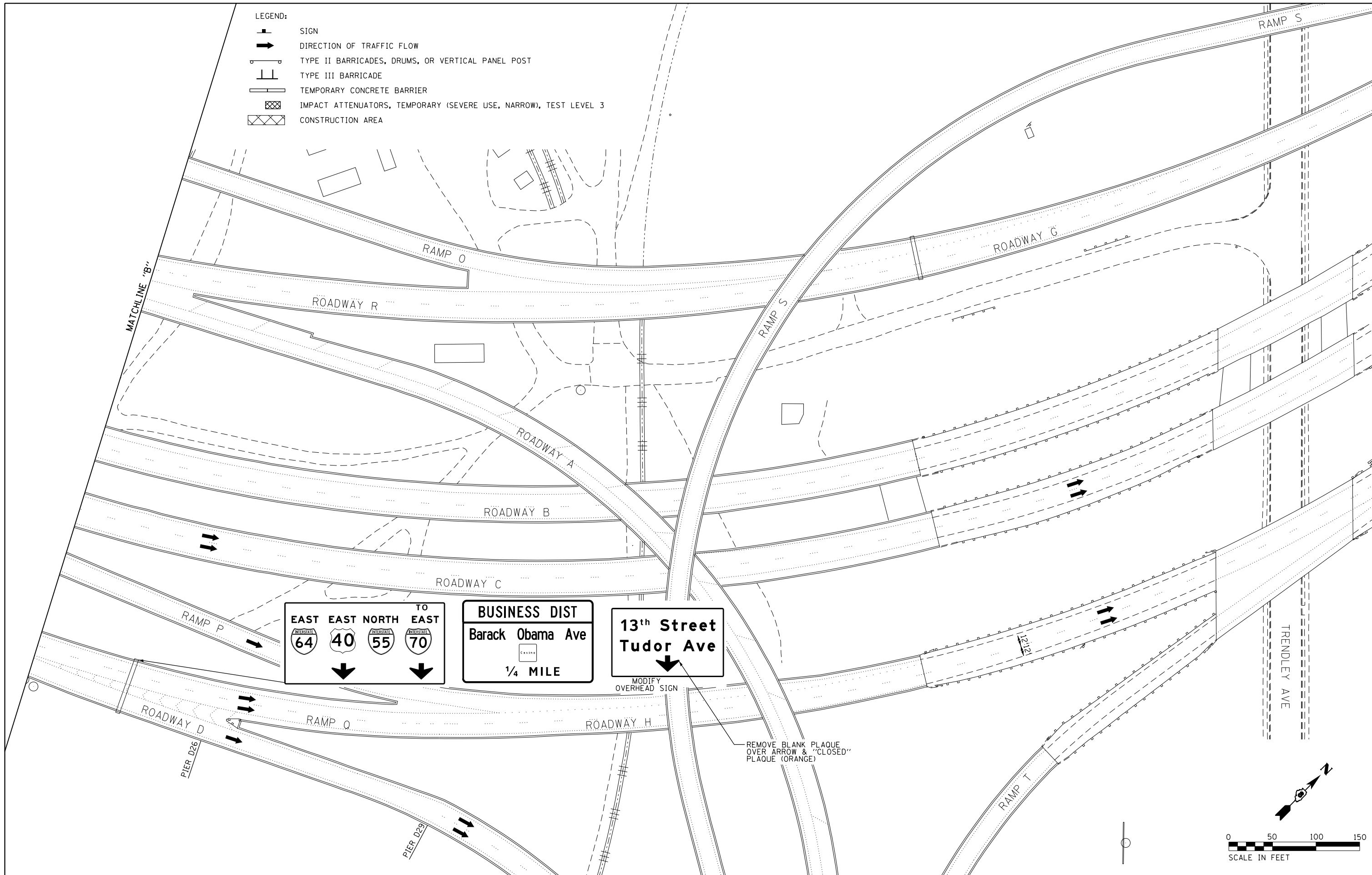
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	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 3 - EASTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 19 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	36
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA

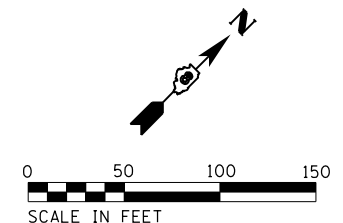


EAST EAST NORTH TO EAST
   
 ↓ ↓ ↓ ↓

BUSINESS DIST
 Barack Obama Ave

 1/4 MILE

13th Street
 Tudor Ave
 ↓
 MODIFY OVERHEAD SIGN

REMOVE BLANK PLAQUE OVER ARROW & "CLOSED" PLAQUE (ORANGE)



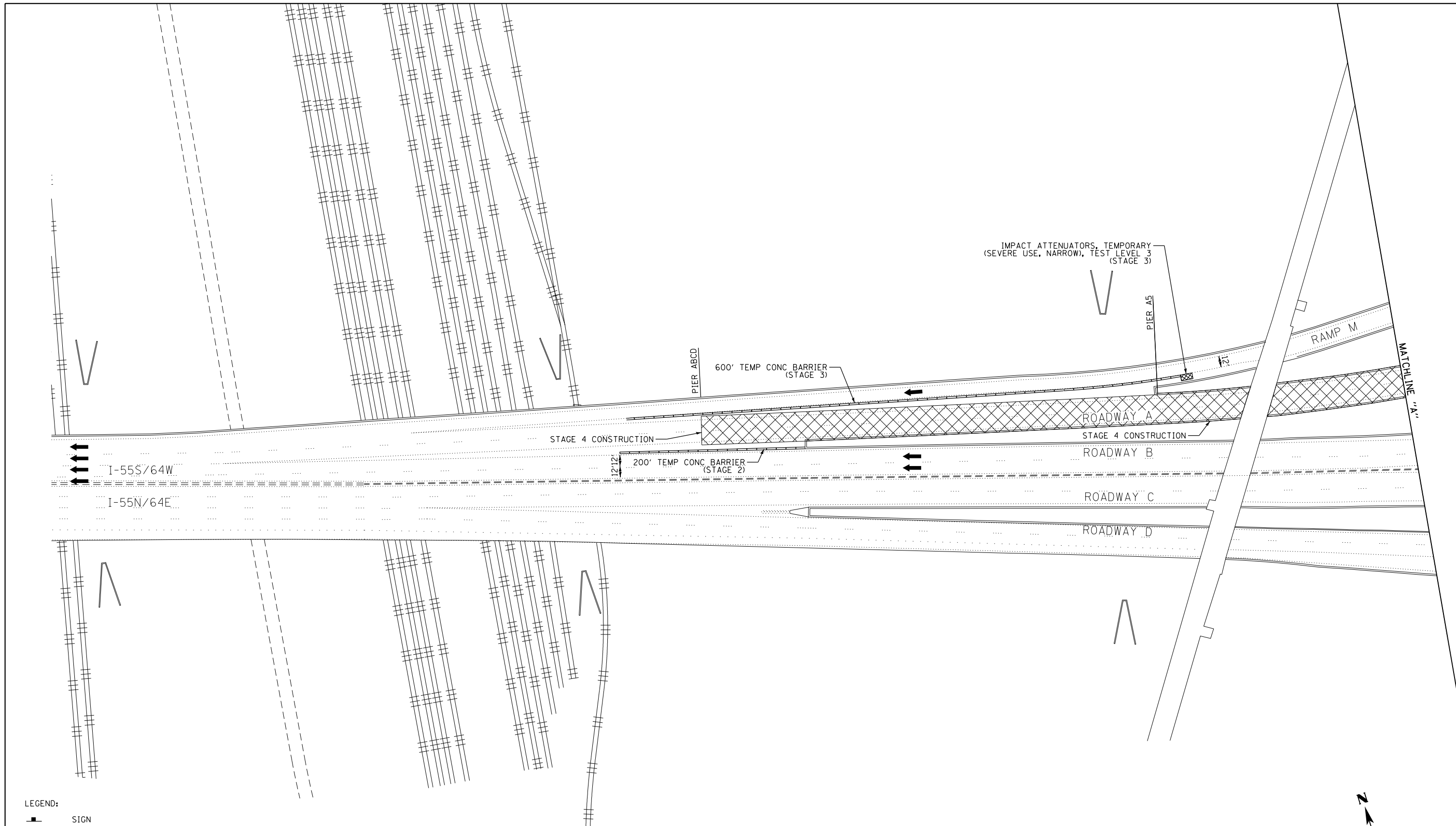
EFK Moen
 Civil Engineering Design








USER NAME = jd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

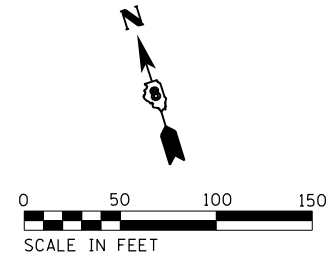
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
 STAGE 3 - EASTBOUND COLLECTOR-DISTRIBUTOR
 SCALE: 1"=50' SHEET 20 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	37
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

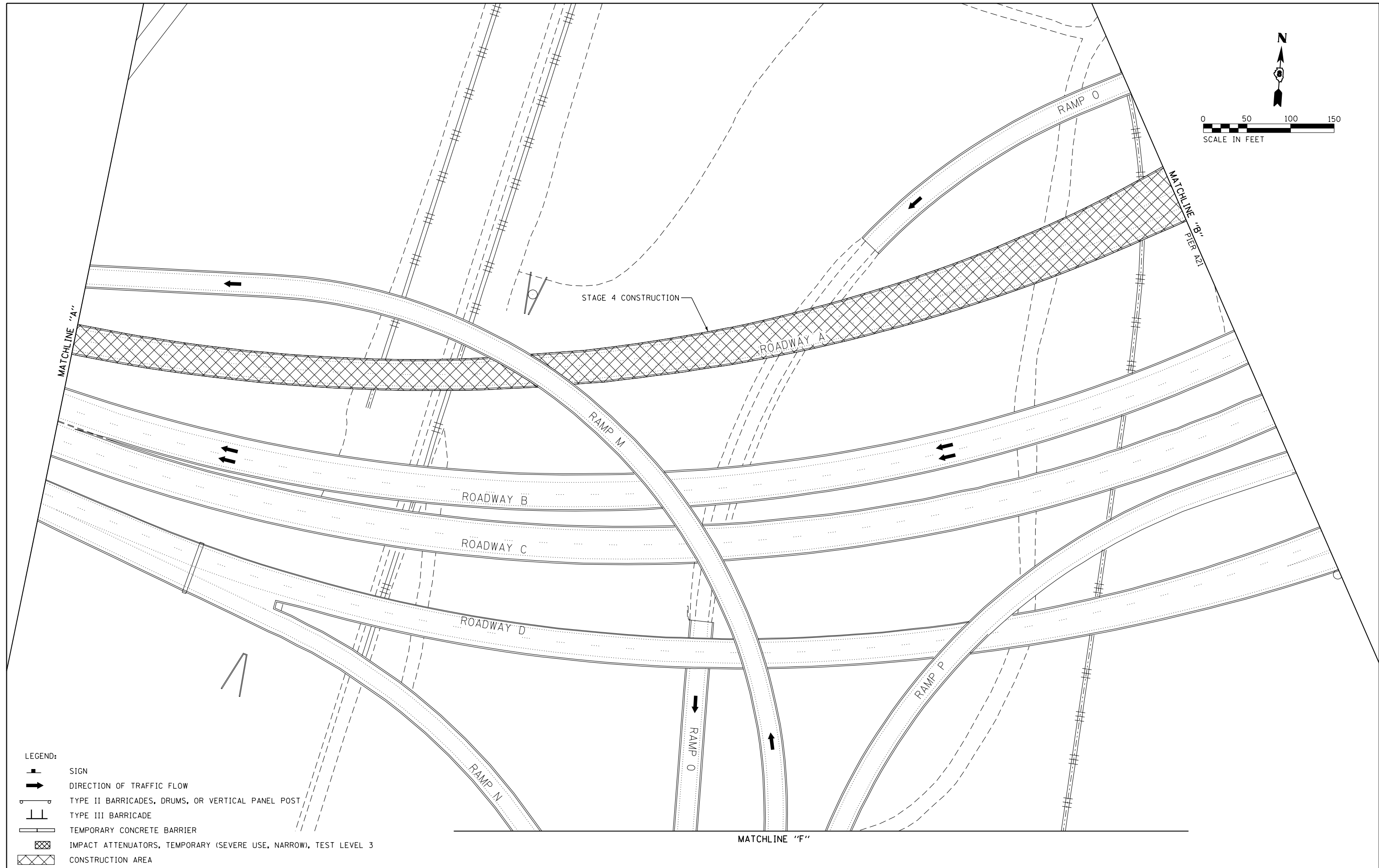
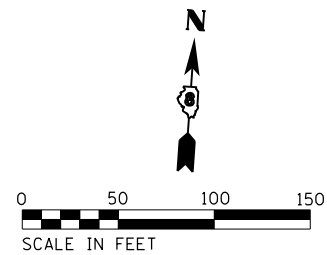
USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR**

SCALE: 1"=50' SHEET 21 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	38
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

EFK Moen
Civil Engineering Design

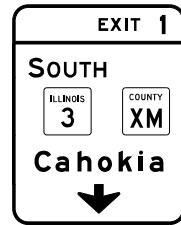
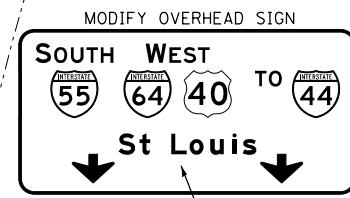
USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

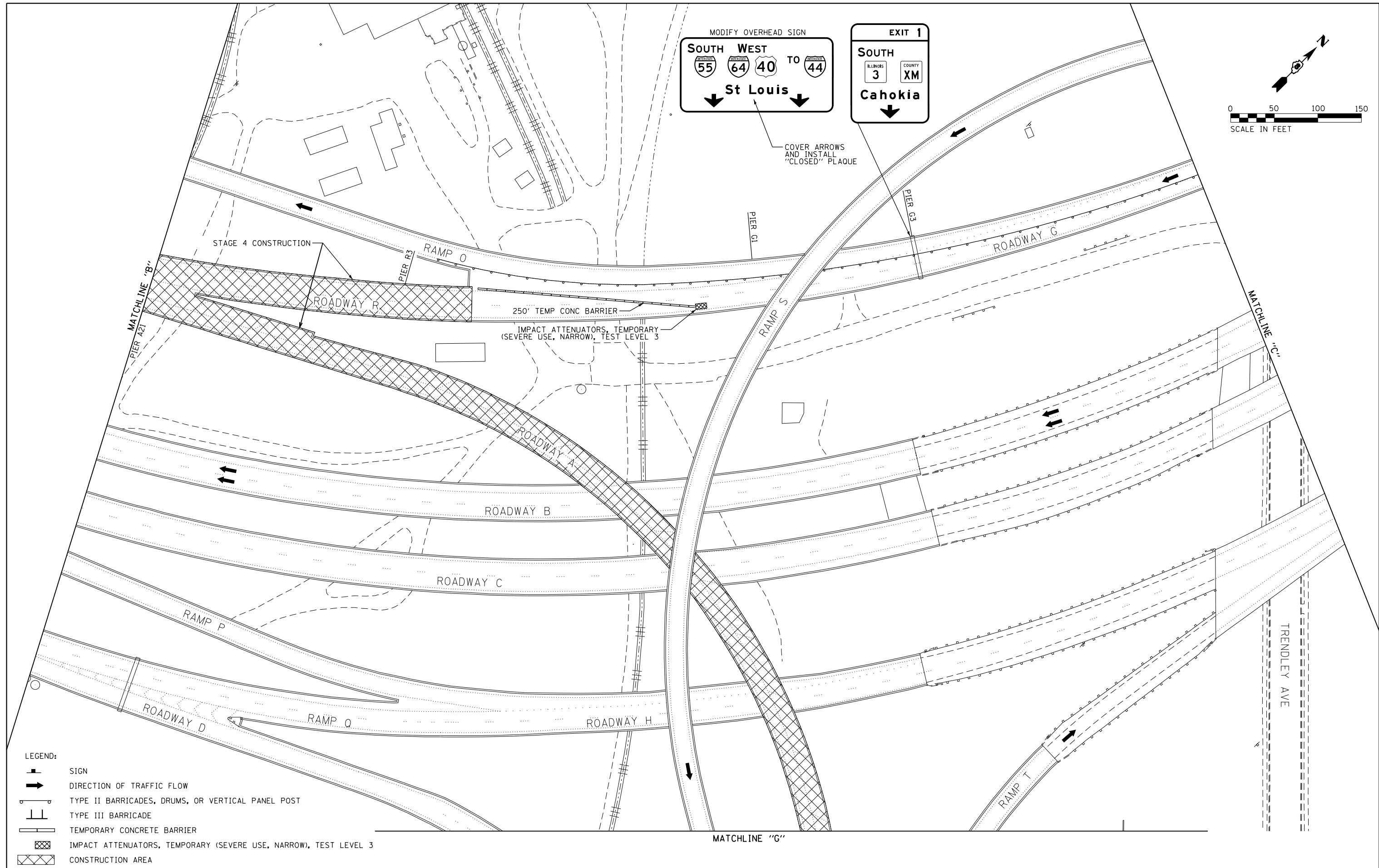
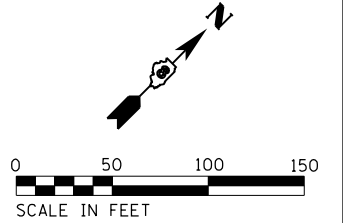
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 22 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	39
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



COVER ARROWS AND INSTALL "CLOSED" PLAQUE



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

EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

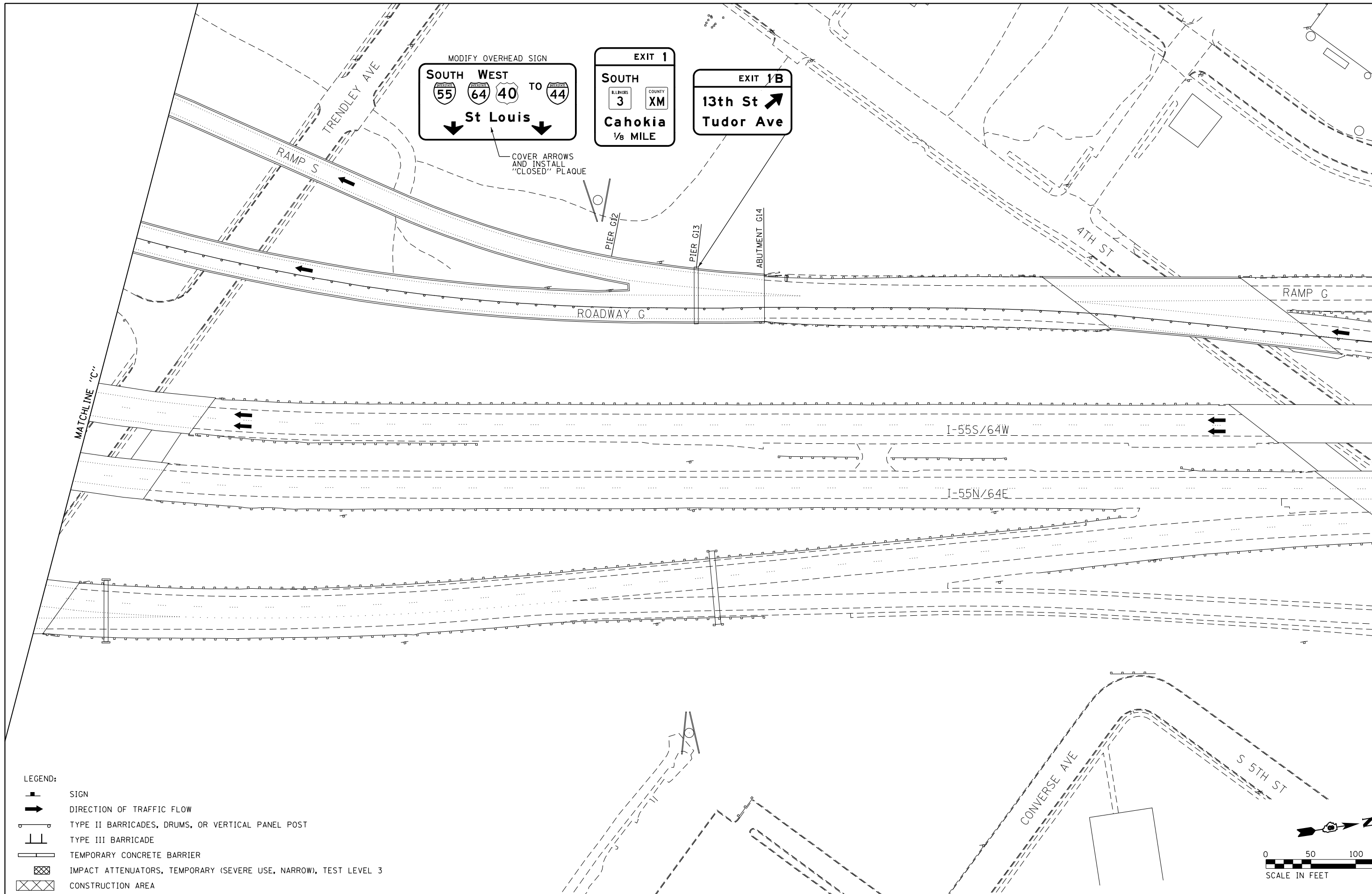
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR

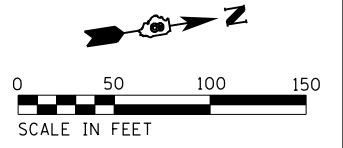
SCALE: 1"=50' SHEET 23 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	40
CONTRACT NO. 76945				

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

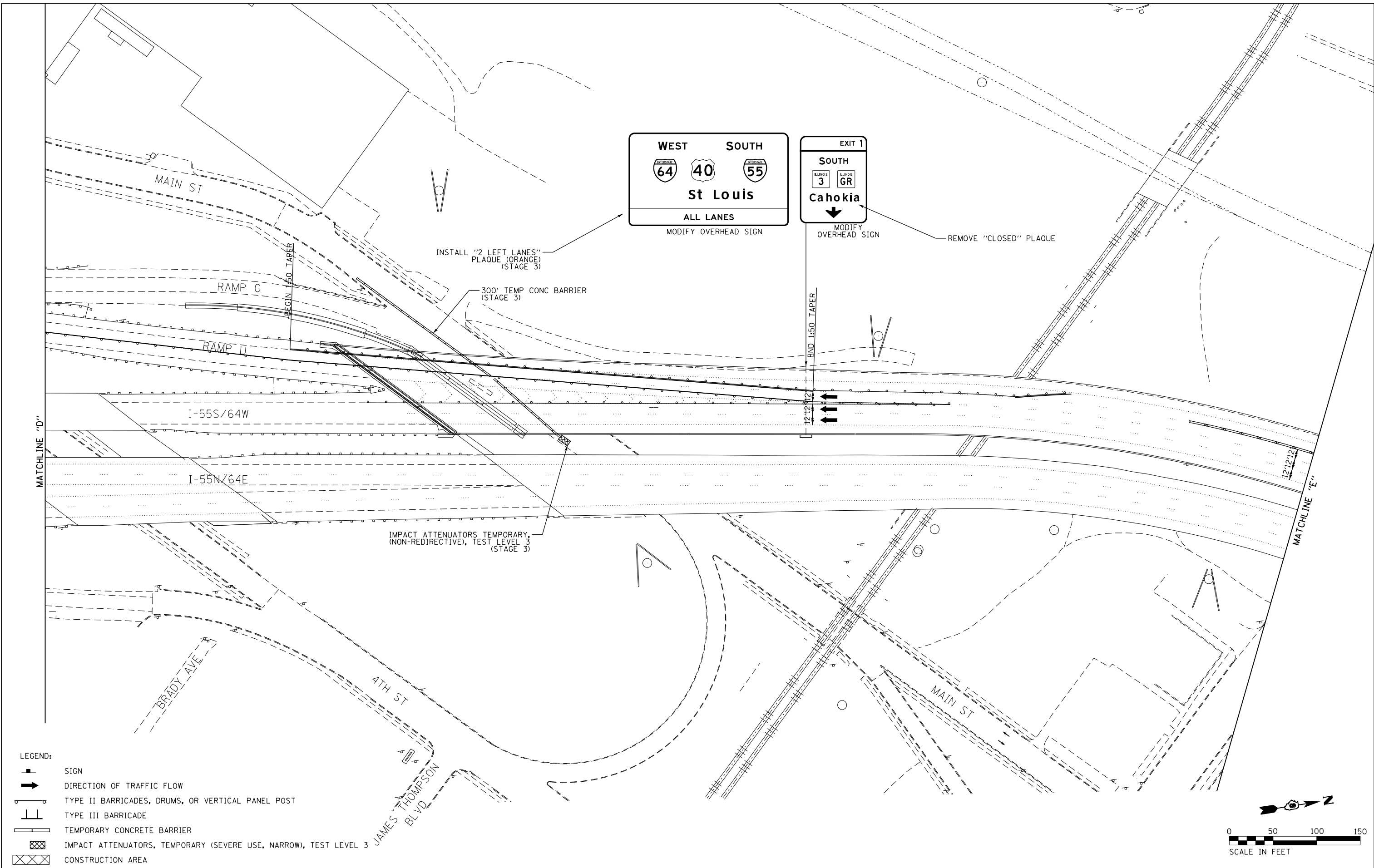
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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

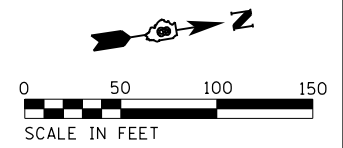
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 24 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	41
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

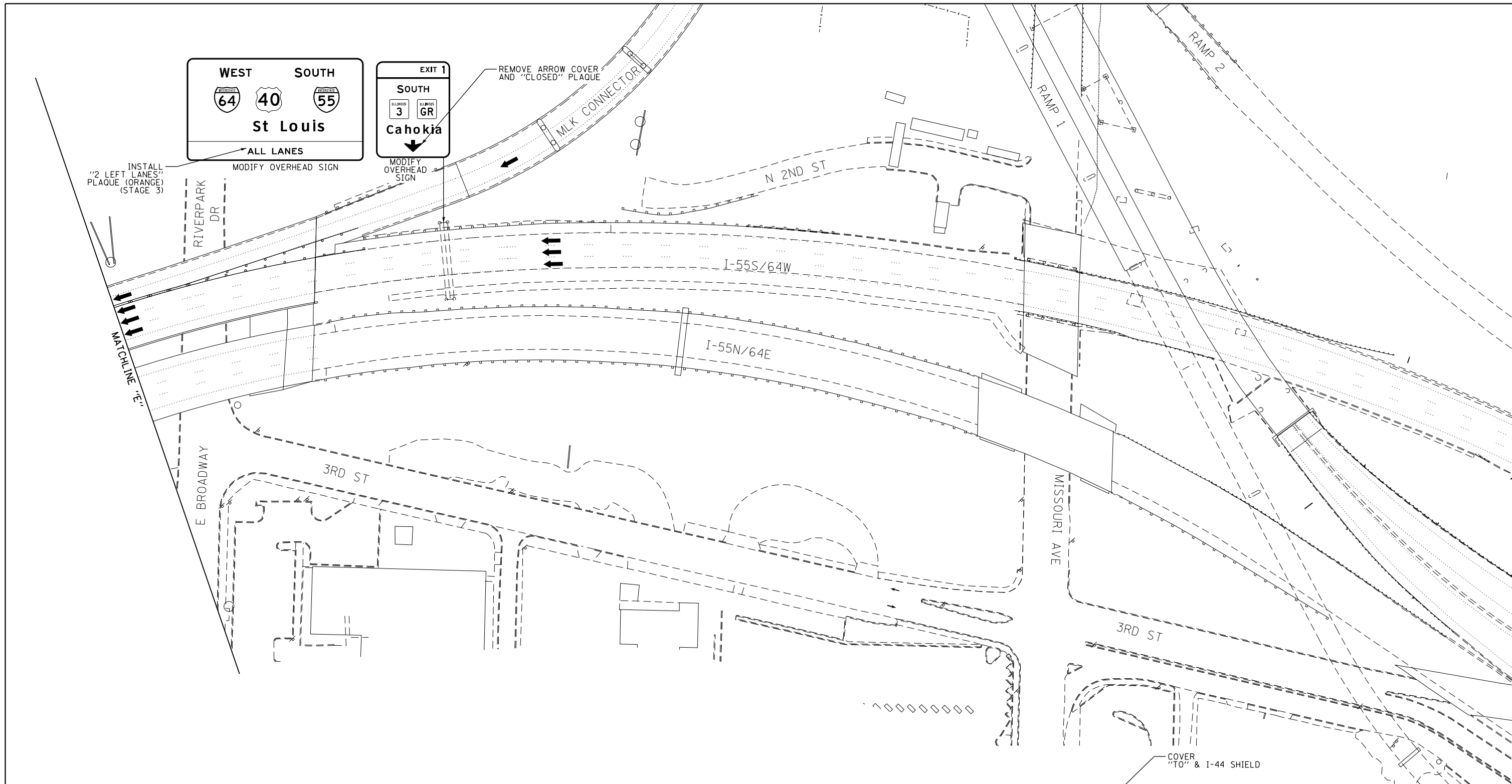
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	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

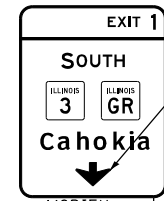
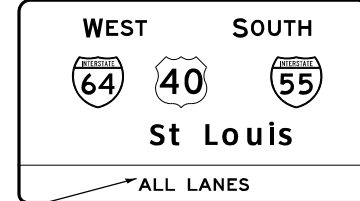
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 25 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	42
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



INSTALL "2 LEFT LANES" PLAQUE (ORANGE) (STAGE 3)



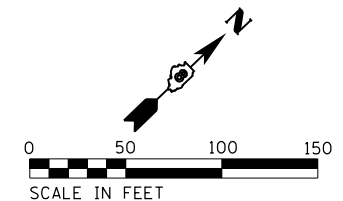
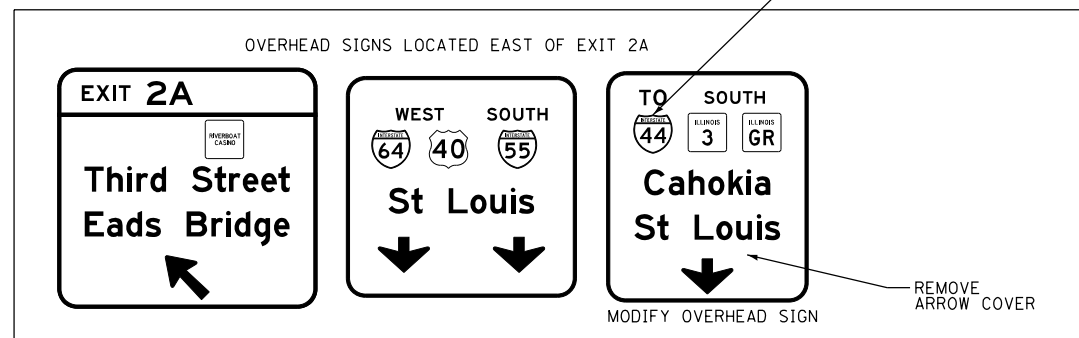
REMOVE ARROW COVER AND "CLOSED" PLAQUE

I-55S/64W

I-55N/64E

COVER "TO" & I-44 SHIELD

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



EFK Moen
Civil Engineering Design

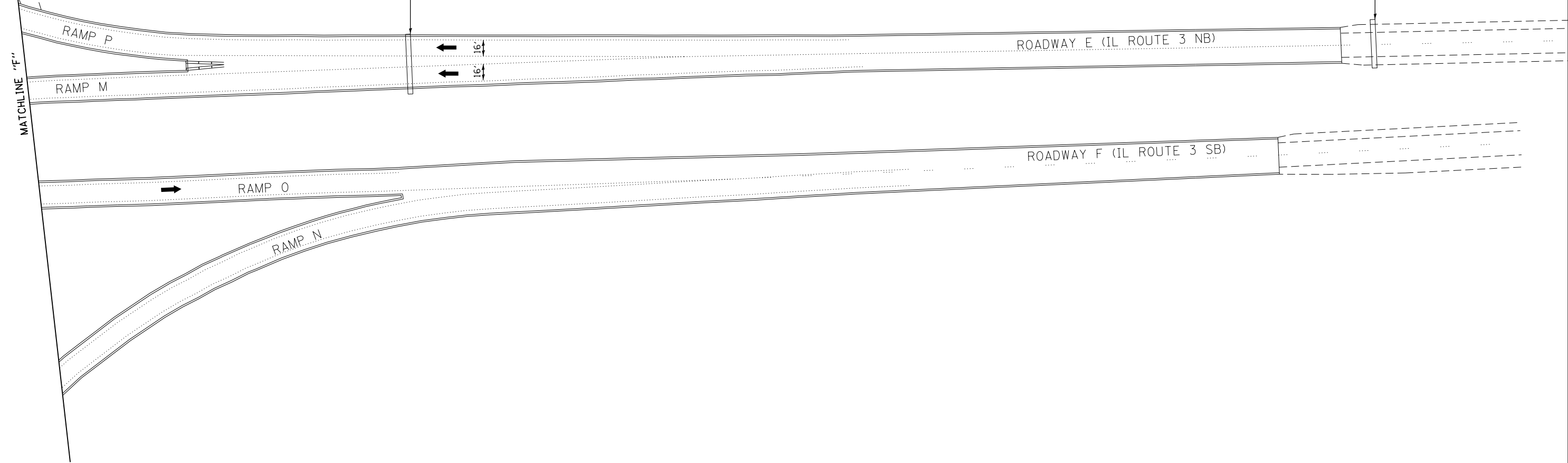
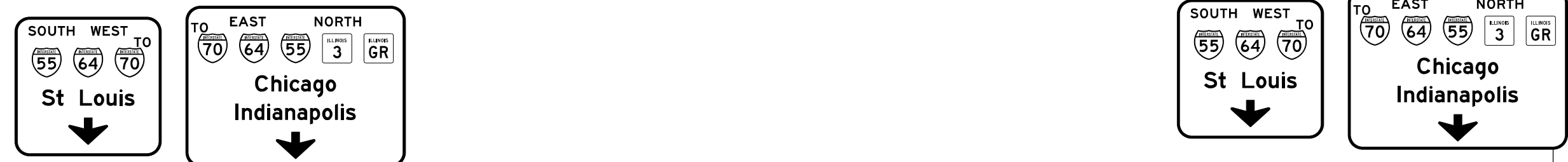
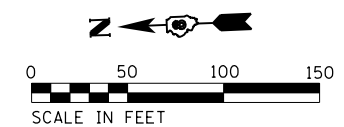
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PLOT SCALE = 100.0000' / 1"	DRAWN - JRD	REVISED -
PLOT DATE = 10/11/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 26 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	43
CONTRACT NO. 76945				

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

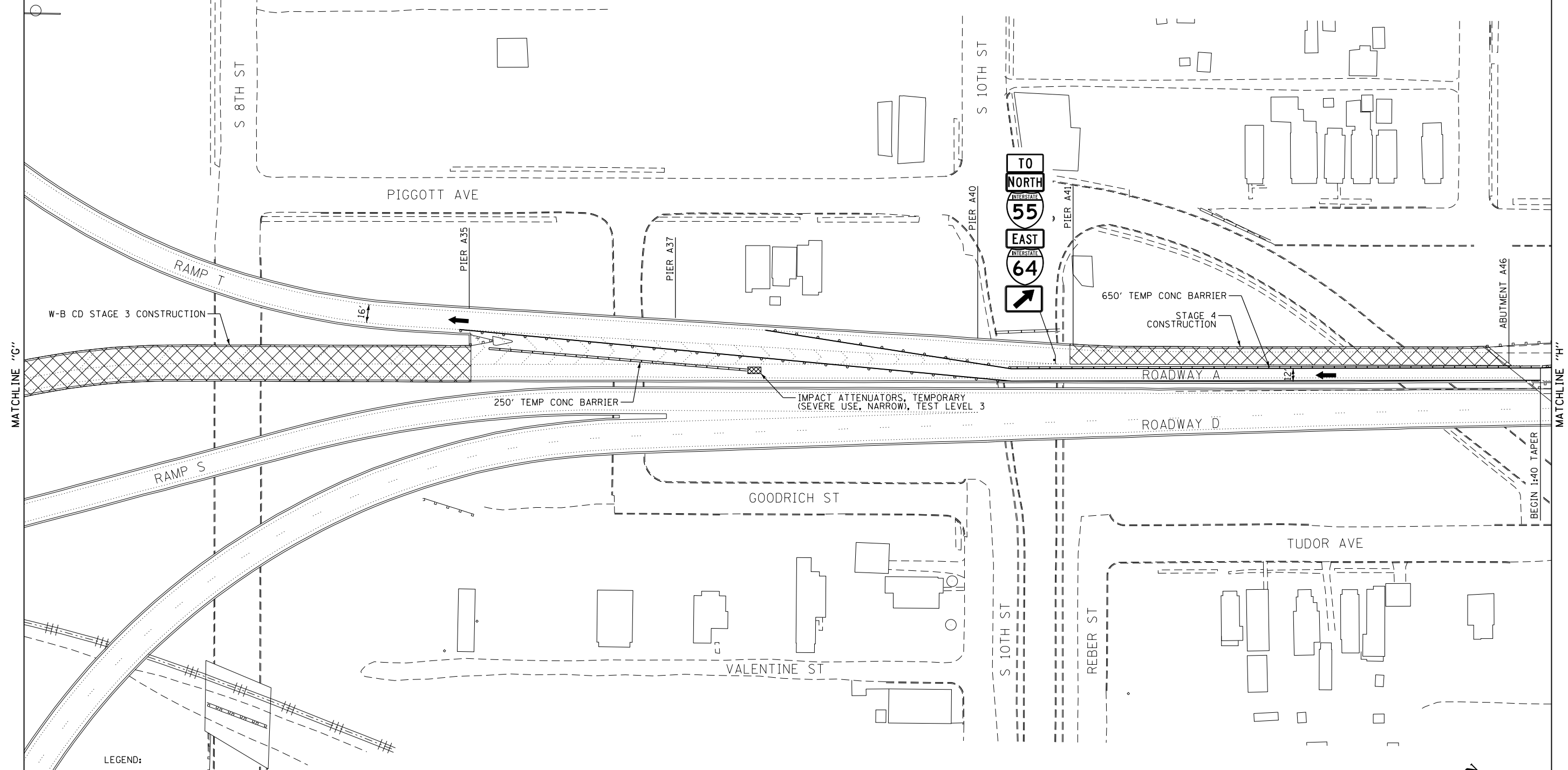
EFK Moen
Civil Engineering Design

USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/11/2018	DATE - 9/28/2018	REVISED -

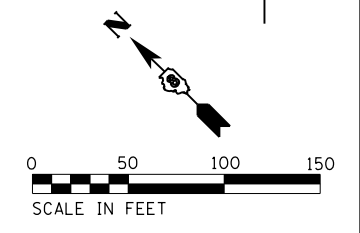
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 27 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	44
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

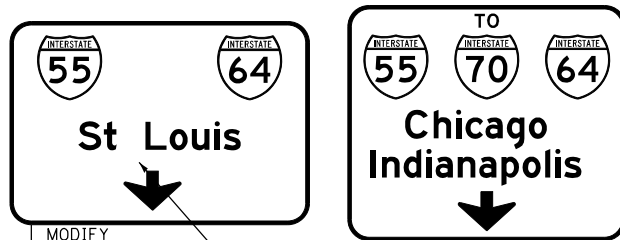
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PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR**

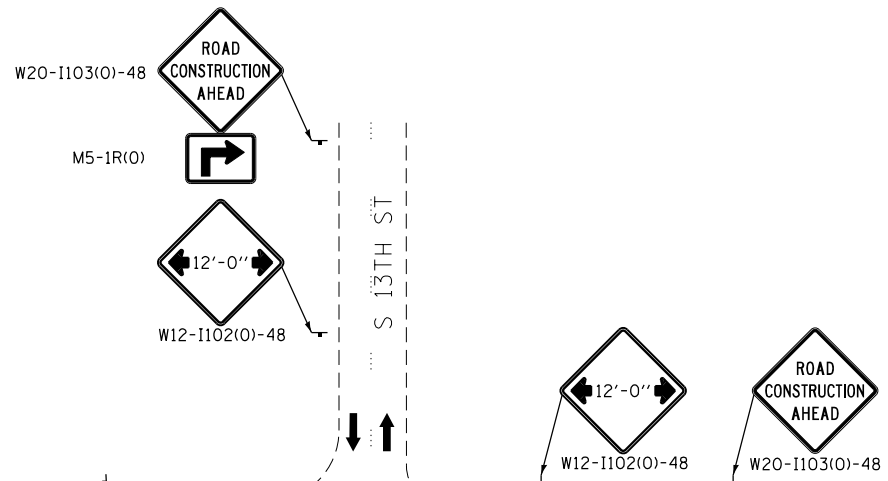
SCALE: 1"=50' SHEET 28 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

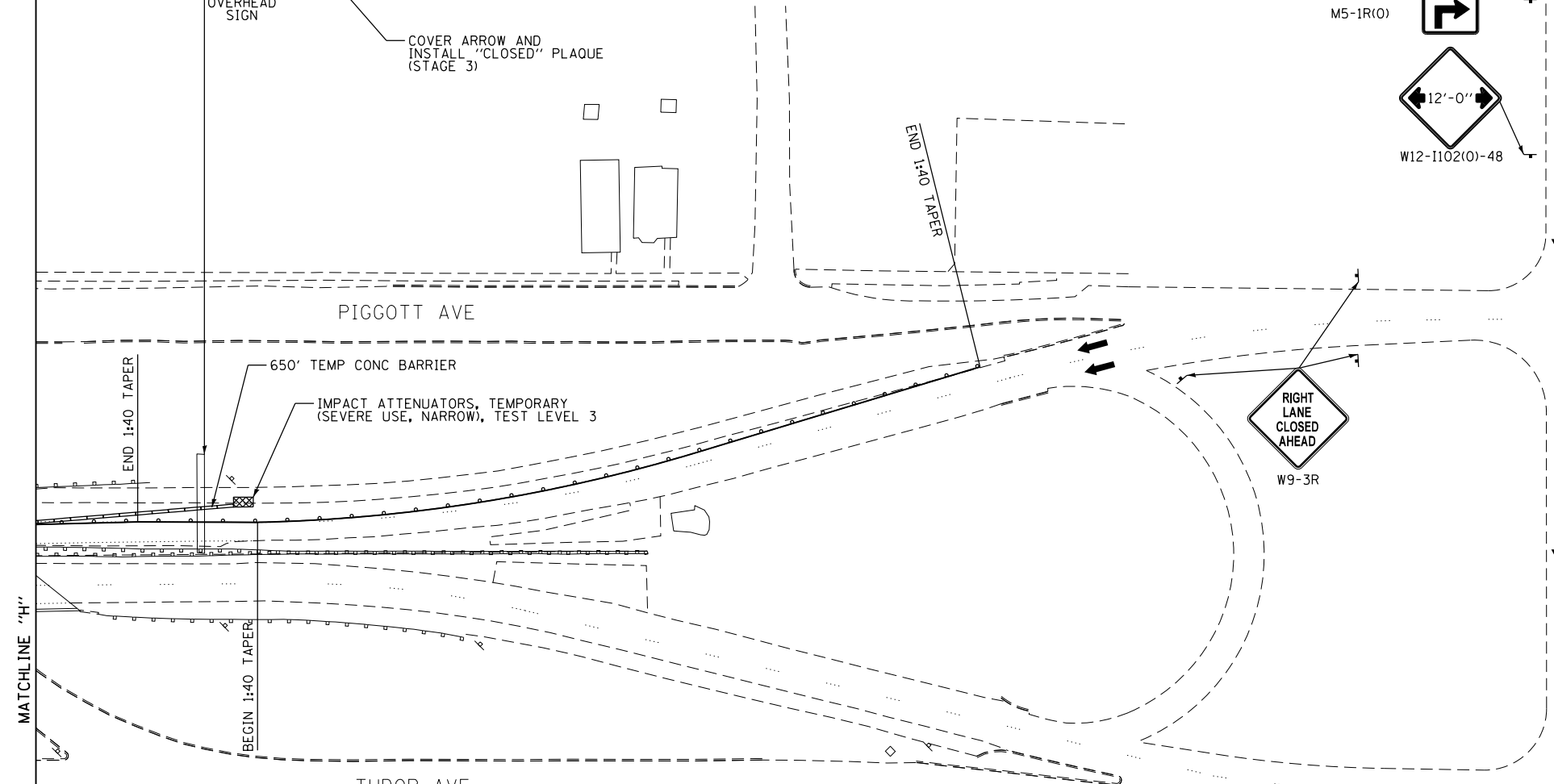


MODIFY OVERHEAD SIGN

COVER ARROW AND INSTALL "CLOSED" PLAQUE (STAGE 3)



S 13TH ST

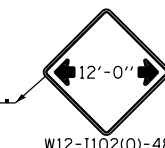


PIGGOTT AVE

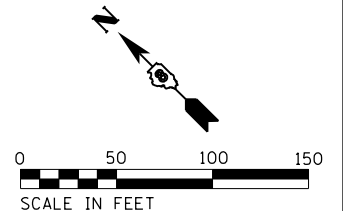
PIGGOTT AVE

TUDOR AVE

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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

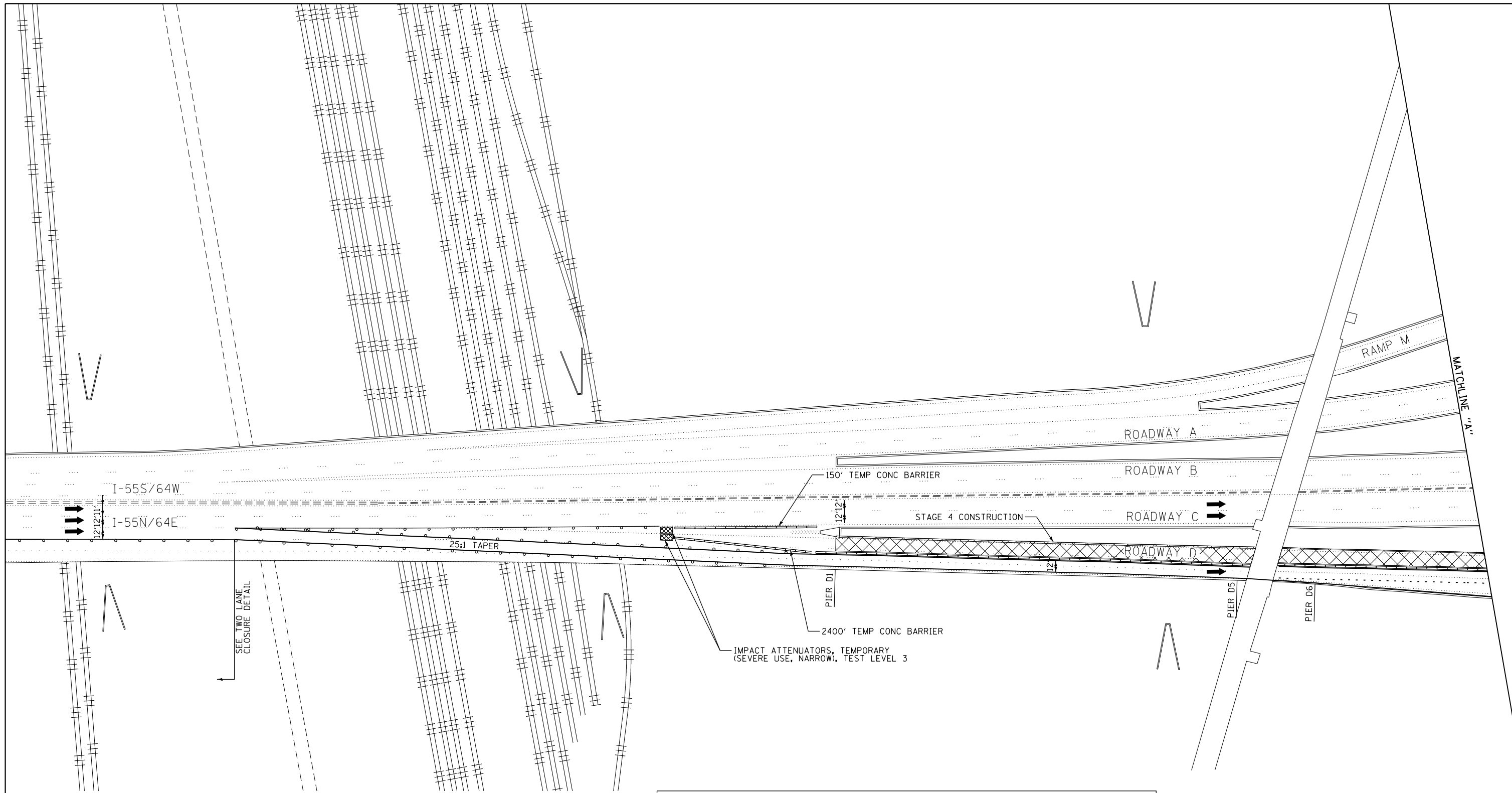
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PLOT SCALE = 100.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

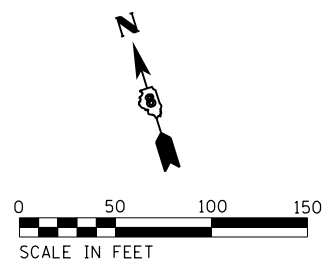
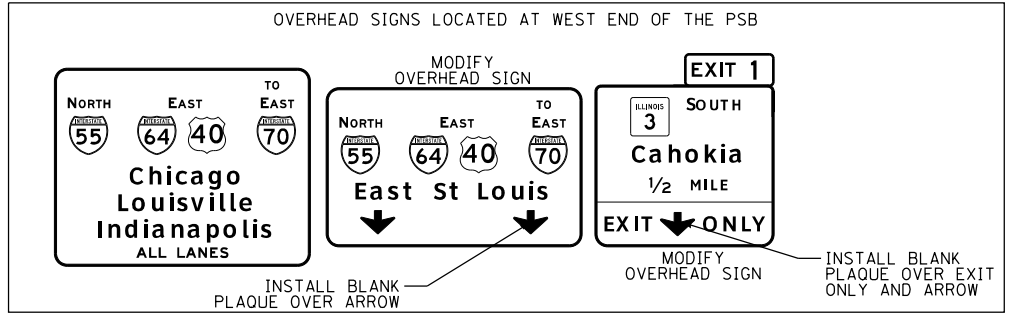
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - WESTBOUND COLLECTOR-DISTRIBUTOR

SCALE: 1"=50' SHEET 29 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	46
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



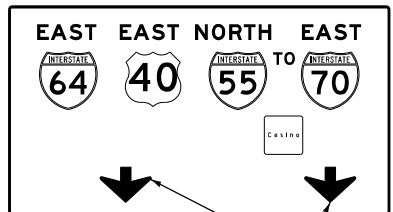
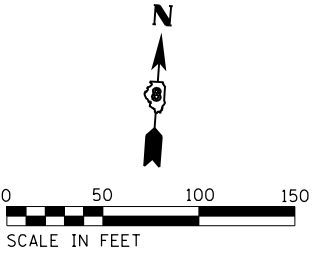
EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
	DRAWN - JRD	REVISED -
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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

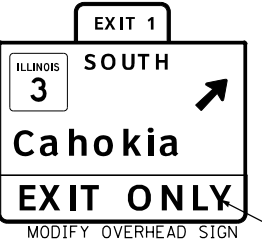
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - EASTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 30 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	47
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

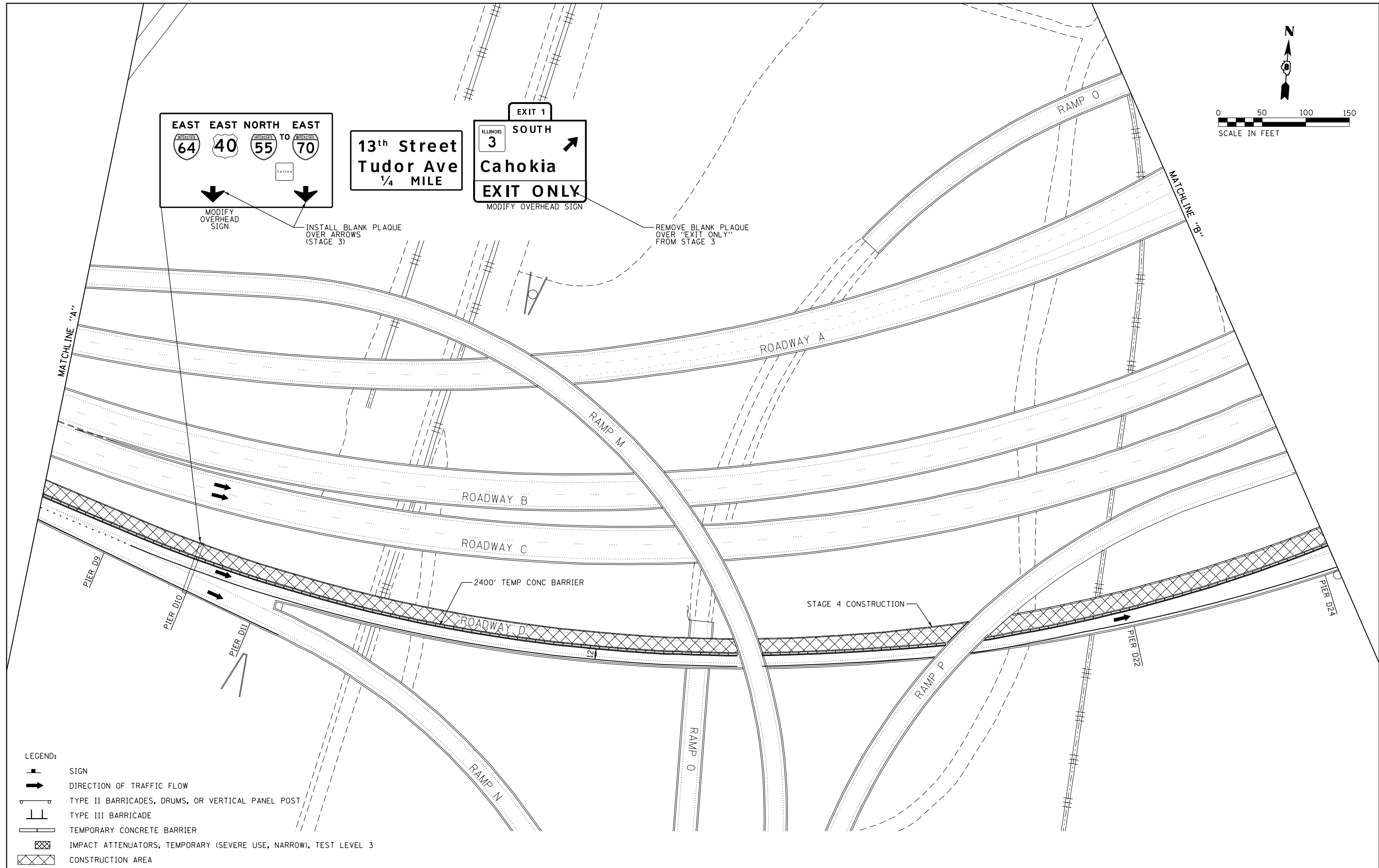


13th Street
Tudor Ave
1/4 MILE



REMOVE BLANK PLAQUE
OVER "EXIT ONLY"
FROM STAGE 3

INSTALL BLANK PLAQUE
OVER ARROWS
(STAGE 3)



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








EFK Moen
Civil Engineering Design

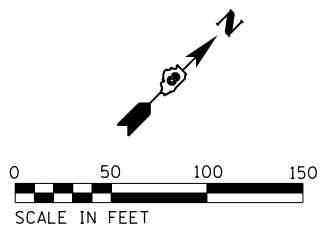
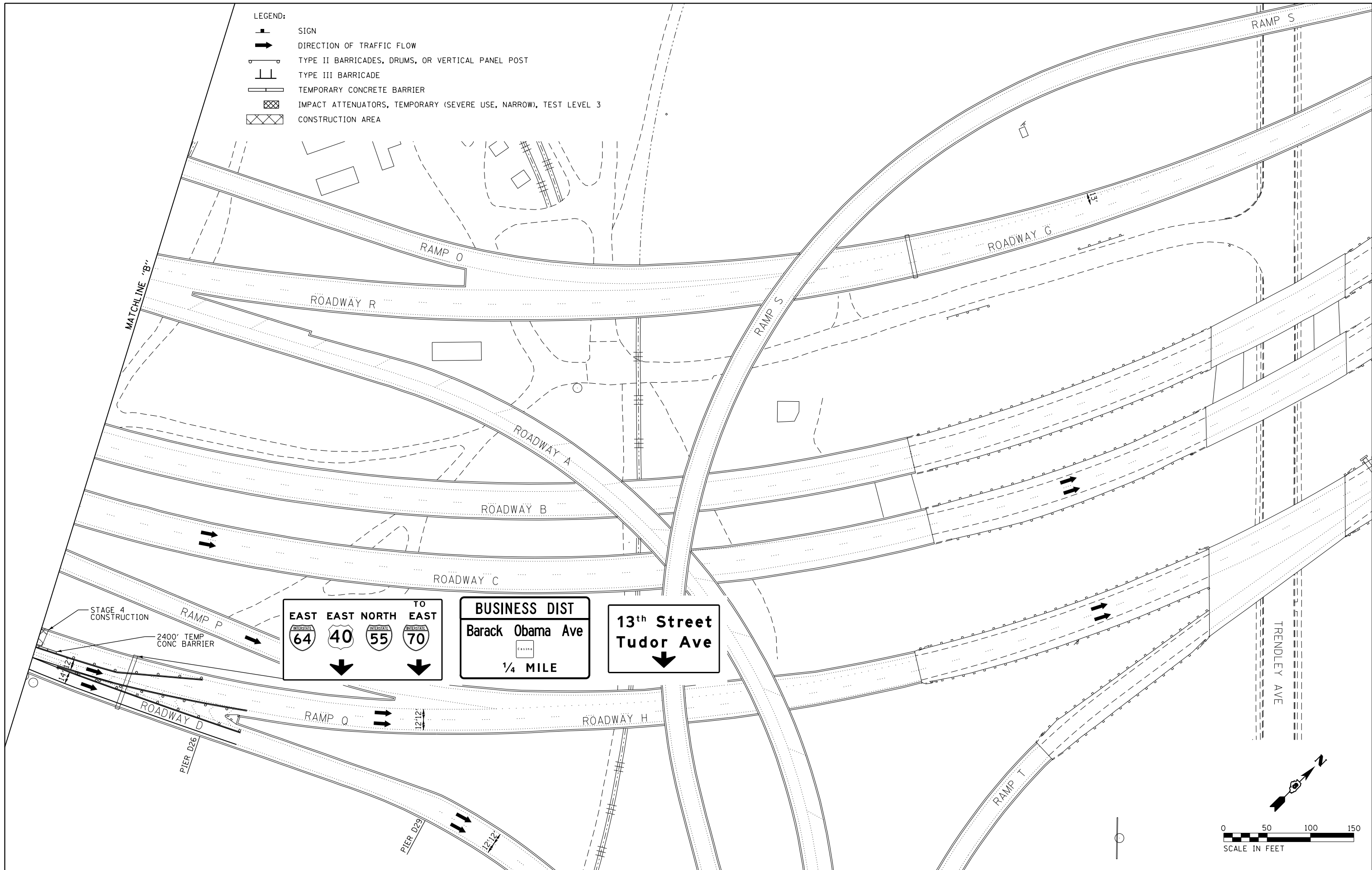
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	DRAWN - JRD	REVISED -
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PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - EASTBOUND COLLECTOR-DISTRIBUTOR
SCALE: 1"=50' SHEET 31 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	48
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 -  CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

USER NAME = jd
PLOT SCALE = 100.0000' / in.
PLOT DATE = 10/1/2018

DESIGNED - JRD
DRAWN - JRD
CHECKED - SLD
DATE - 9/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

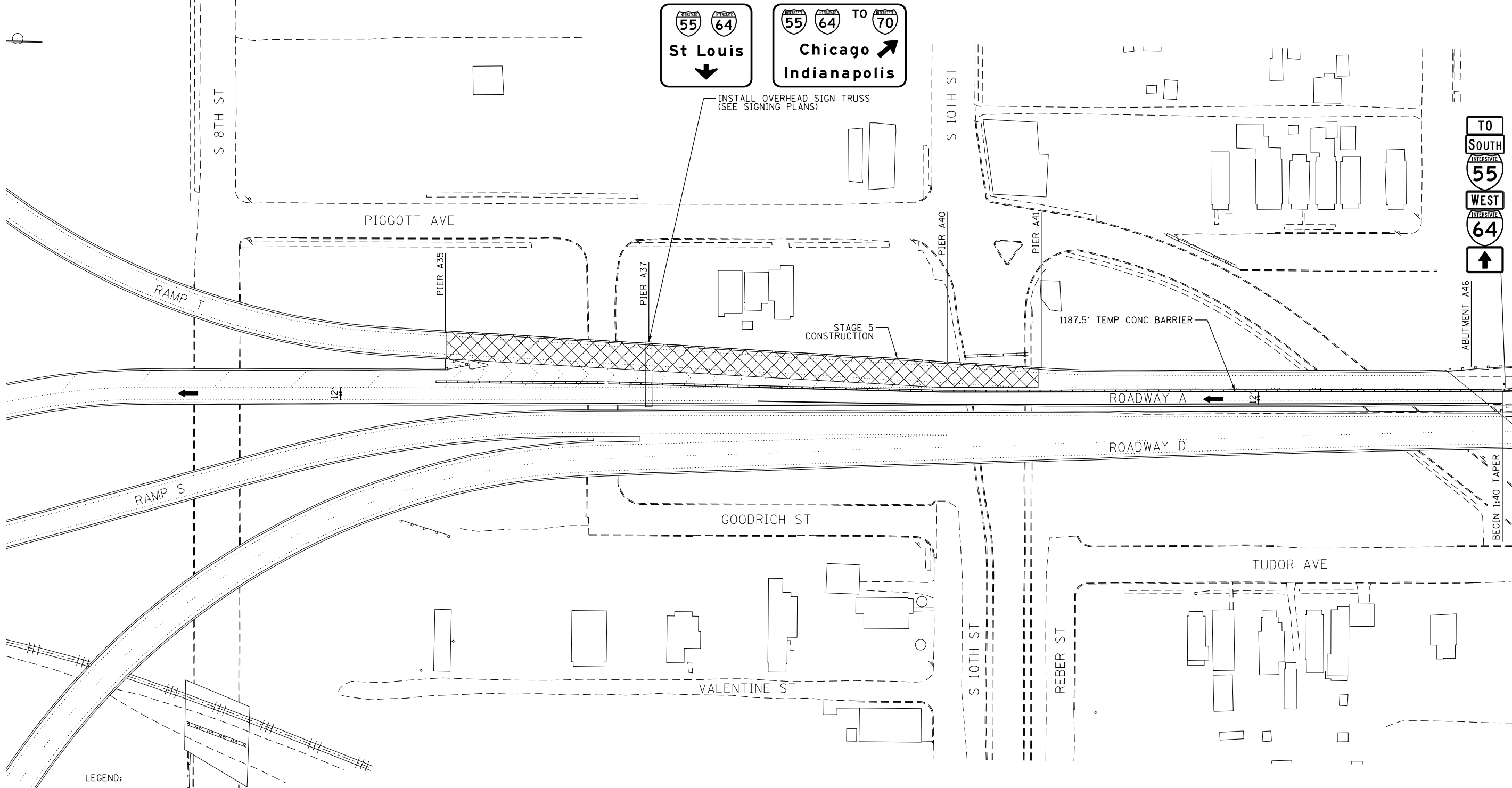
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 4 - EASTBOUND COLLECTOR-DISTRIBUTOR

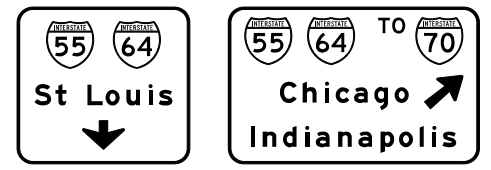
SCALE: 1"=50'

SHEET 32 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	49
CONTRACT NO. 76945				
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 (SEVERE USE, NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA



EFK Moen
Civil Engineering Design

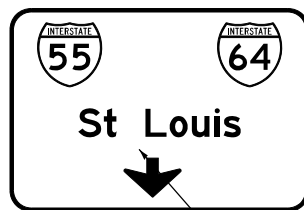
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PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 5 - RAMP T

SCALE: 1"=50' SHEET 33 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	50
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



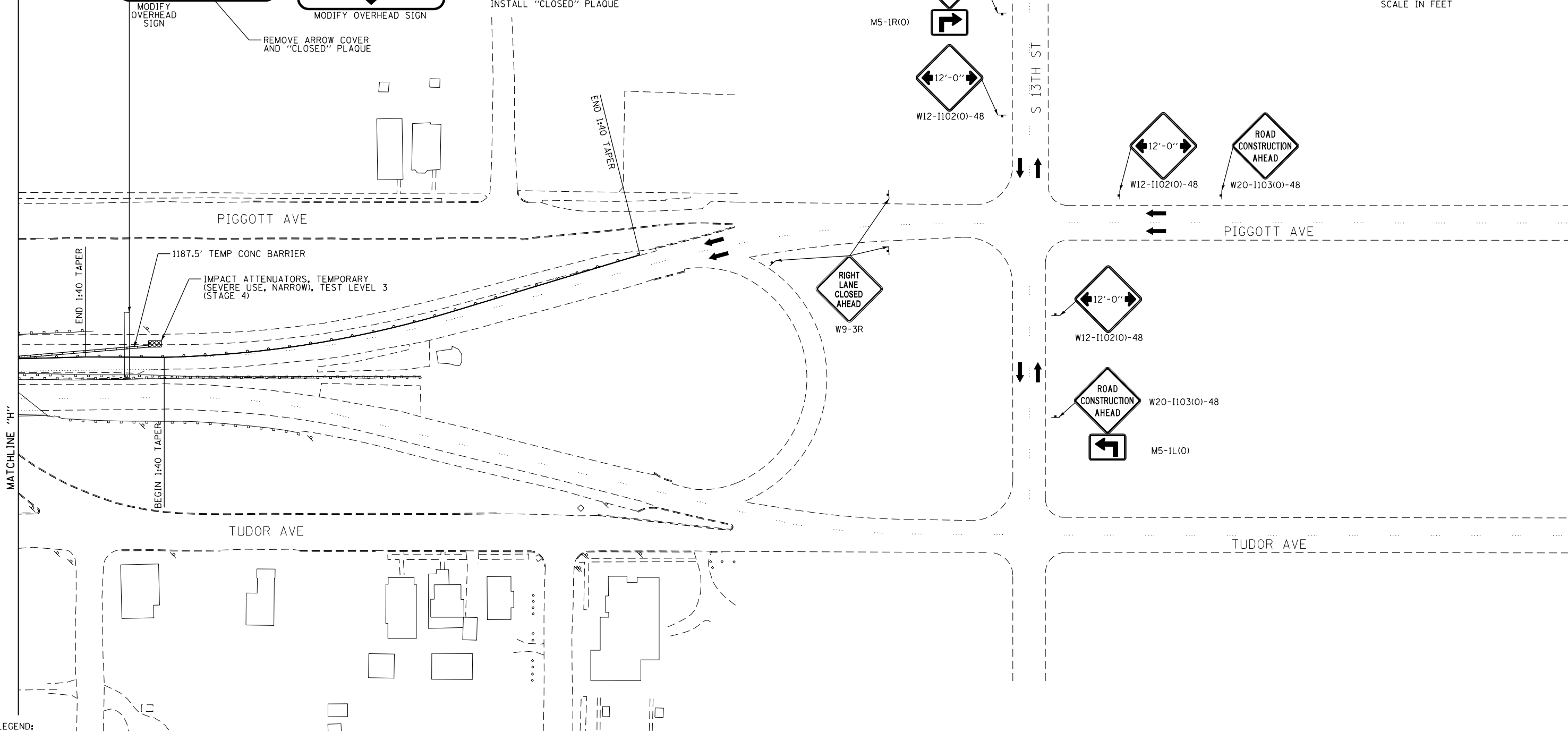
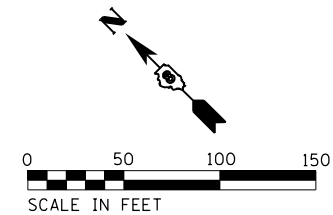
MODIFY OVERHEAD SIGN



MODIFY OVERHEAD SIGN

REMOVE ARROW COVER AND "CLOSED" PLAQUE

COVER ARROW AND INSTALL "CLOSED" PLAQUE



- 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), TEST LEVEL 3
 - IMPACT ATTENUATORS TEMPORARY, (NON-REDIRECTIVE NARROW), TEST LEVEL 3
 - CONSTRUCTION AREA

EFK Moen
Civil Engineering Design

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - JRD	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

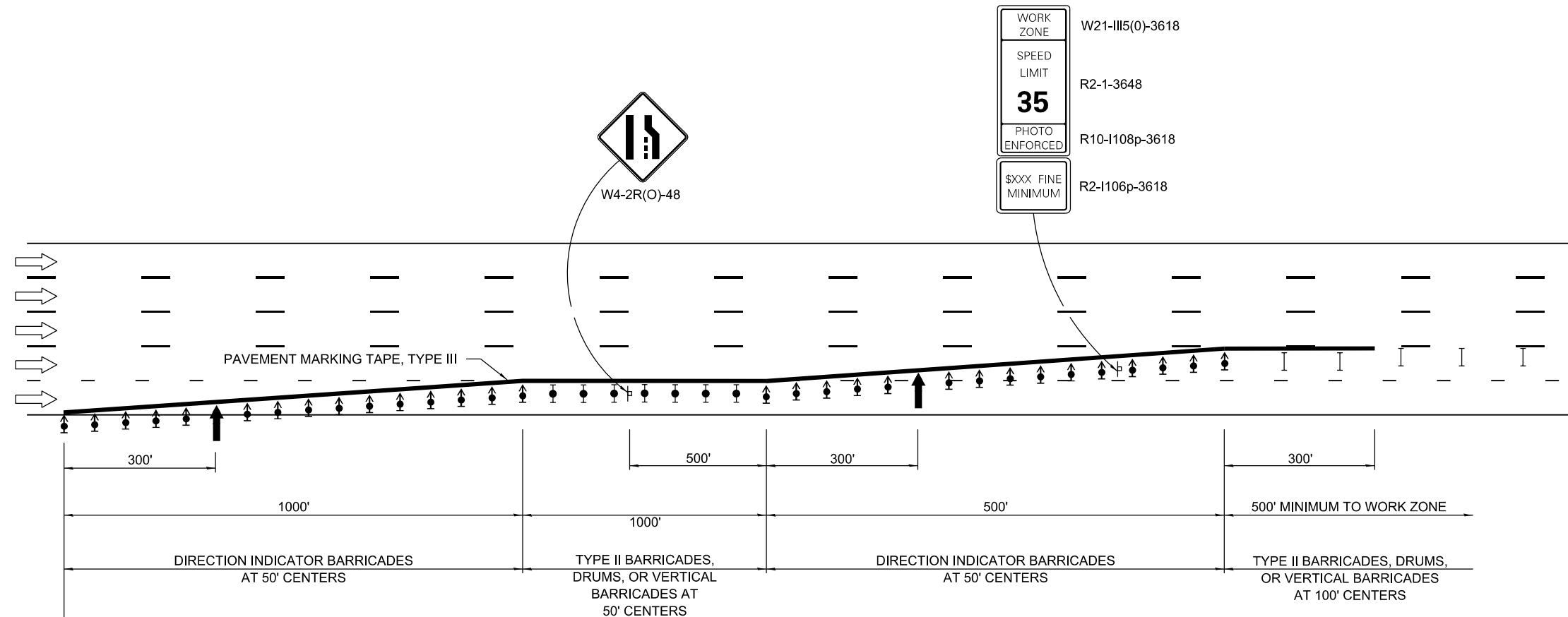
TRAFFIC CONTROL AND PROTECTION PLAN
STAGE 5 - RAMP T

SCALE: 1"=50' SHEET 34 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	51
				CONTRACT NO. 76945
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



SEE STANDARD 701400 FOR APPROACH START OF LANE CLOSURE TAPER

NOTES:

1. ALL ITEMS SHOWN ON THIS DETAIL TO CLOSE 2 LANES OF EASTBOUND TRAFFIC ACROSS THE PSB SHALL BE PAID FOR BY TRAFFIC CONTROL AND PROTECTION, STANDARD 701446 (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.



USER NAME = jd	DESIGNED - JRD	REVISED -
DRAWN - MSK	REVISOR -	
CHECKED - SLD	REVISOR -	
DATE - 9/28/2018	REVISOR -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION DETAIL - TWO LANE CLOSURE ON EASTBOUND PSB	
SCALE: N/A	SHEET 35 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	52
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

(A)

W20-2
48" X 48"

M3-3
36" X 18"

M1-5
36"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

(B)

M4-8
30" X 15"

M3-3
36" X 18"

M1-5
36"

M6-3
30" X 21"

(C)

M4-8
24" X 12" OR 30" X 15"

M3-3
24" X 12" OR 36" X 18"

M1-5
24" OR 36"

SPECIAL 30" X 6" OR 42" X 30"
5" OR 8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-3
21" X 15" OR 30" X 15"

(D)

M4-8
30" X 15"

M3-3
36" X 18"

M1-5
36"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-2R
30" X 21"

(E)

M4-8
30" X 15"

M3-3
36" X 18"

M1-5
36"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

W1-11L
48" X 48"

(F)

M4-8
30" X 15"

M3-3
36" X 18"

M1-5
36"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-2L
30" X 21"

(G)

M4-8
30" X 15"

M3-3
36" X 18"

M1-5
36"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-3
30" X 21"

(H)

M4-8A
24" X 18"

SPECIAL 42" X 30"
8" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

(I)

M4-8A
24" X 18"

M3-3
36" X 18"

M1-5
36"

(J)

M4-8
24" X 12"

M3-3
24" X 12"

M1-5
24"

SPECIAL 30" X 6"
5" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-1R
21" X 15"

(K)

M4-8
24" X 12"

M3-3
24" X 12"

M1-5
24"

SPECIAL 30" X 6"
5" BLACK LETTERS
ON REFLECTIVE ORANGE
BACKGROUND

M6-1R
21" X 15"

(L)

W20-2
48" X 48"

M4-5
36" X 18"

M3-3
36" X 18"

M1-1
36"

M3-4
36" X 18"

M1-1
36"

(M)

M4-8
24" X 12" OR 30" X 15"

M4-5
24" X 12" OR 36" X 18"

M3-3
24" X 12" OR 36" X 18"

M1-1
24" OR 36"

M3-4
24" X 12" OR 36" X 18"

M1-1
24" OR 36"

M6-2R
21" X 15"

(N)

M4-8
30" X 15"

M4-5
36" X 18"

M3-3
24" X 12" OR 36" X 18"

M1-1
36"

M3-4
36" X 18"

M1-1
36"

M6-2L
21" X 15"

(O)

M4-8
24" X 12" OR 30" X 15"

M4-5
24" X 12" OR 36" X 18"

M3-3
24" X 12" OR 36" X 18"

M1-1
24" OR 36"

M3-4
24" X 12" OR 36" X 18"

M1-1
24" OR 36"

M6-3
21" X 15" OR 30" X 21"

SIGN LEGEND

Ⓟ

M4-8 24" X 12"
M4-5 24" X 12"
M3-3 24" X 12"
M1-1 24"
M3-4 24" X 12"
M1-1 24"
W1-11L 48' X 48"

Ⓠ

M4-8A 24" X 18"
M3-3 24" X 12"
M1-1 24"
M3-4 24" X 12"
M1-1 24"
M6-2L 21" X 15"

Ⓡ

R11-2 48" X 30"

Ⓢ

W20-3 36" X 36"
M6-1R 21" X 15"

Ⓣ

W20-3 36" X 36"
M6-1R 21" X 15"

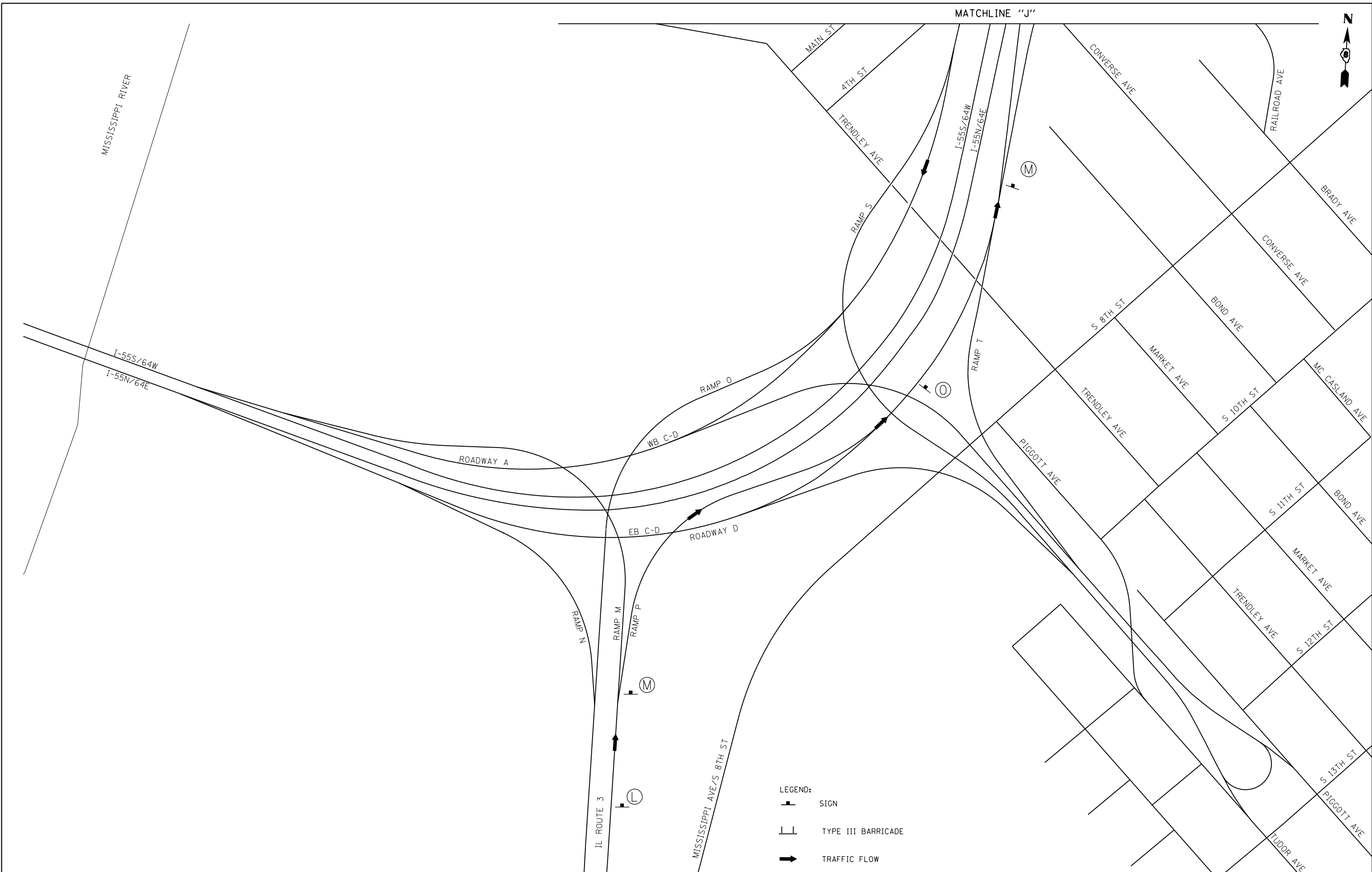
Ⓤ

W20-3 36" X 36"
M6-1L 21" X 15"



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



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Civil Engineering Design

USER NAME = jd	DESIGNED - JRD	REVISED -
PLOT SCALE = 400.0000' / in.	DRAWN - MSK	REVISED -
PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
	DATE - 9/28/2018	REVISED -




DESIGNED - JRD	REVISED -
DRAWN - MSK	REVISED -
CHECKED - SLD	REVISED -
DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 200' SHEET 38 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	55
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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



MATCHLINE "J"

EFK Moen
Civil Engineering Design

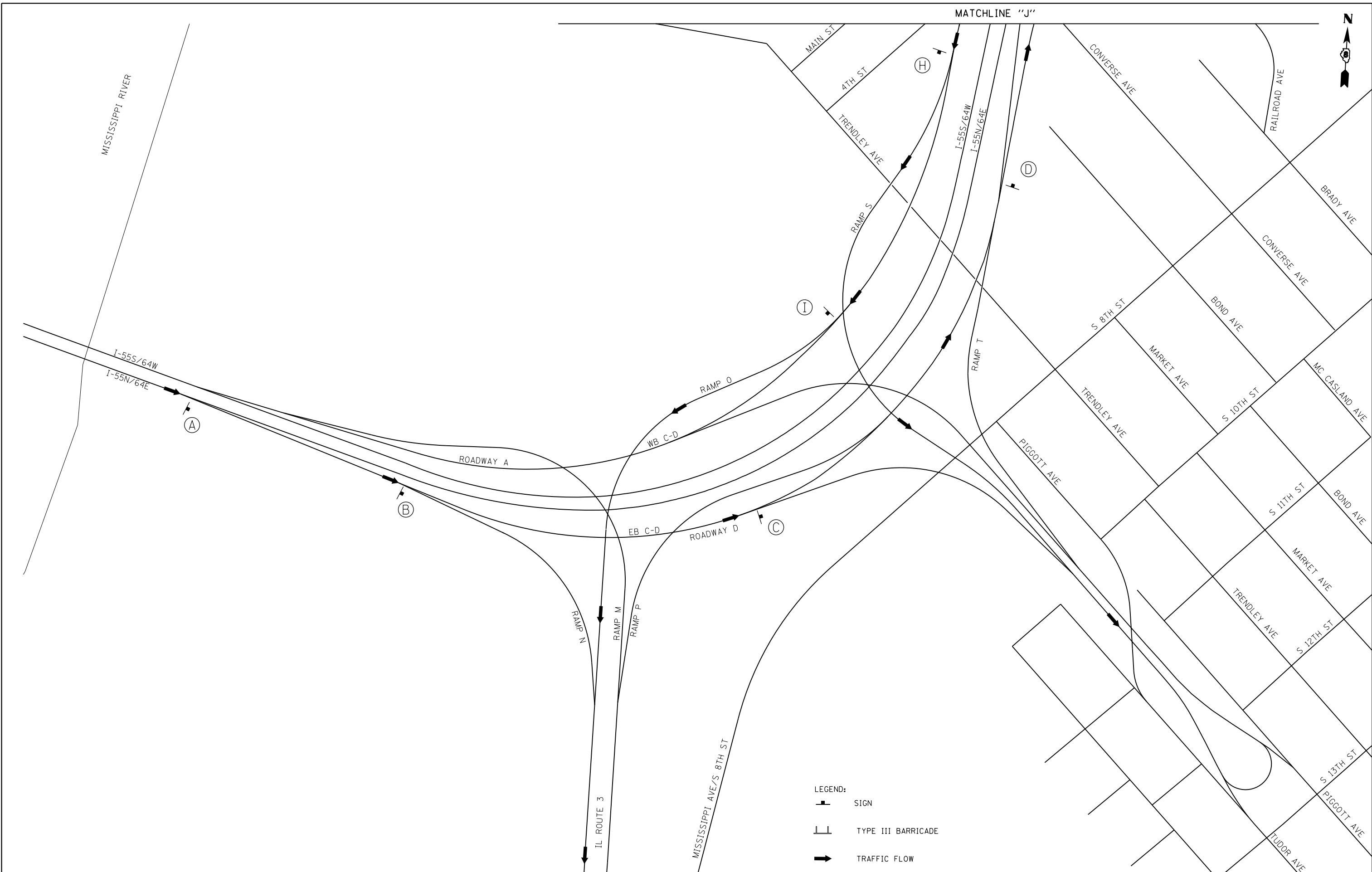
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PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
RAMP M DETOUR SIGNAGE DETAIL

SCALE: 1" = 200' SHEET 39 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	56
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



EFK Moen
Civil Engineering Design




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	DRAWN - MSK	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 200' SHEET 40 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	57
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

LEGEND:
 SIGN
 TYPE III BARRICADE
 TRAFFIC FLOW



MATCHLINE "J"

EFK Moen
 Civil Engineering Design

USER NAME = j_d	DESIGNED - JRD	REVISED -
	DRAWN - MSK	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
 RAMP N & ROADWAY D DETOUR SIGNAGE DETAIL
 SCALE: 1" = 200' SHEET 41 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	58
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



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

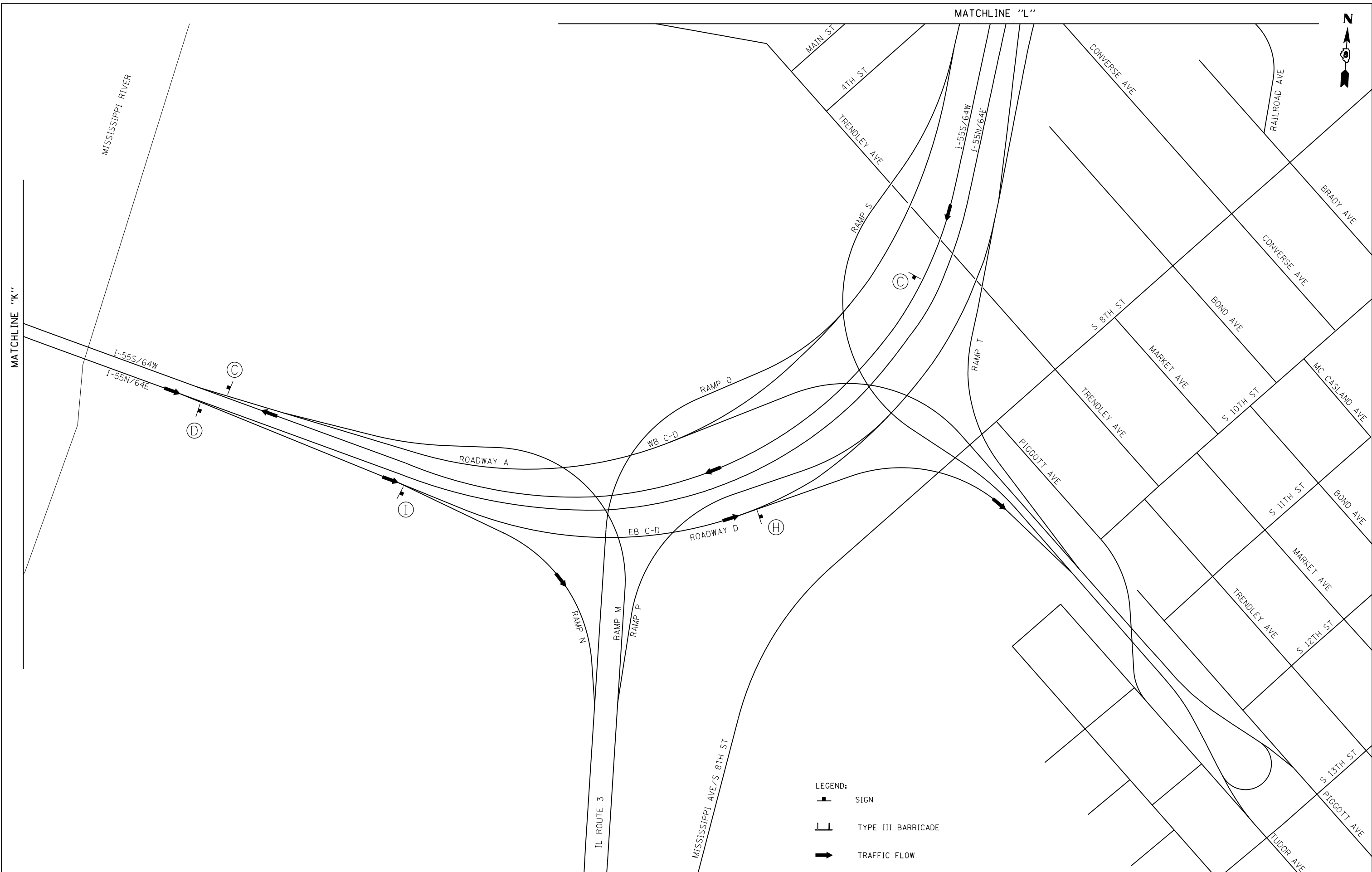
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	PLOT SCALE = 400.0000' / in.	DRAWN - MSK	REVISED -
	PLOT DATE = 10/1/2018	CHECKED - SLD	REVISED -
		DATE - 9/28/2018	REVISED -




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
WESTBOUND COLLECTOR-DISTRIBUTOR DETOUR SIGNAGE DETAIL**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	59
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 200' SHEET 42 OF 44 SHEETS STA. TO STA.



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

EFK Moen
Civil Engineering Design




USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - SBB	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
WESTBOUND COLLECTOR-DISTRIBUTOR DETOUR SIGNAGE DETAIL**

SCALE: 1" = 200' SHEET 43 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	60
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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



MATCHLINE "L"



USER NAME = jd	DESIGNED - JRD	REVISED -
	DRAWN - MSK	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
PLOT DATE = 10/1/2018	DATE - 9/28/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN
WESTBOUND COLLECTOR-DISTRIBUTOR DETOUR SIGNAGE DETAIL**

SCALE: 1" = 200' SHEET 44 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	61
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

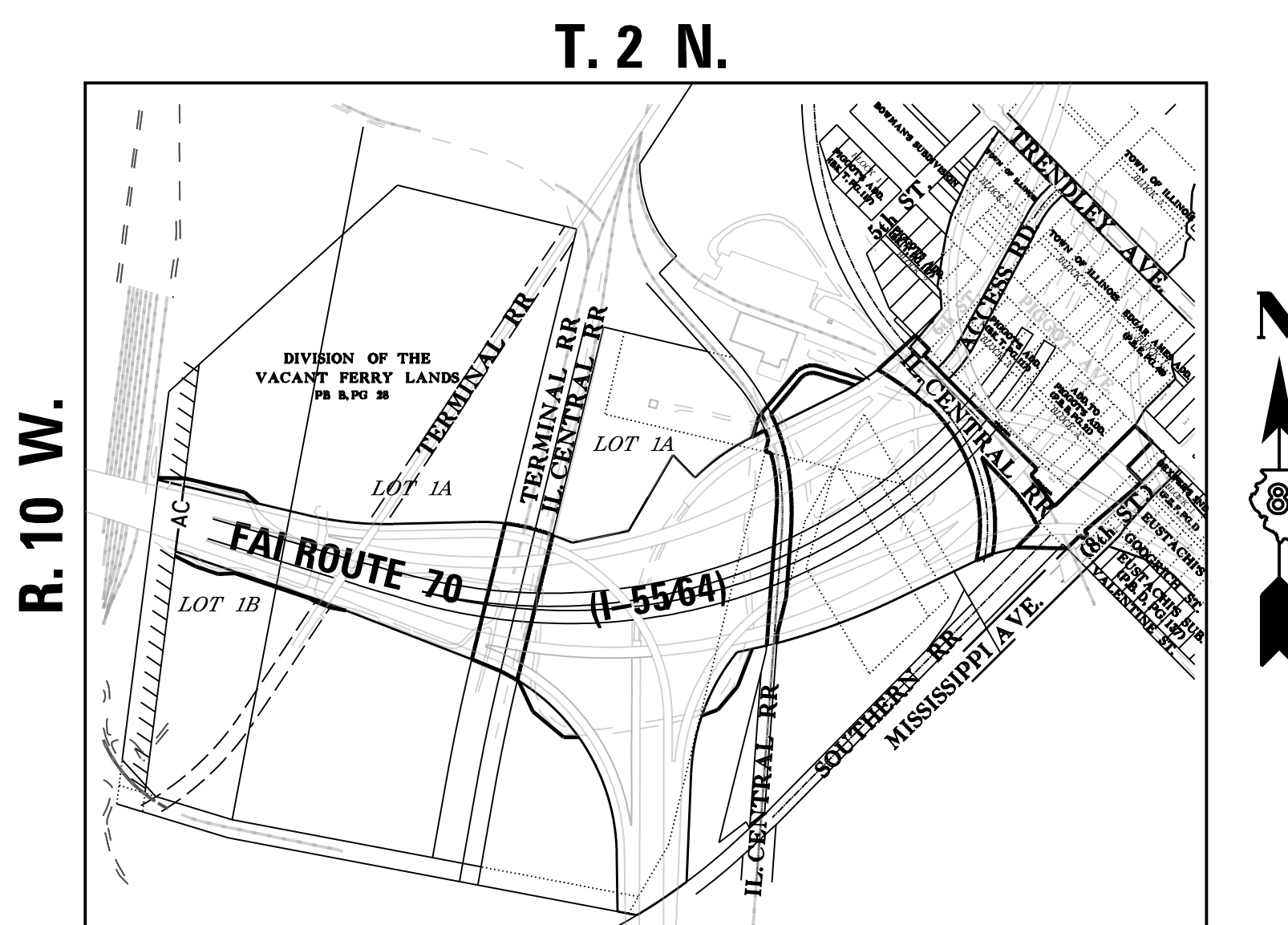
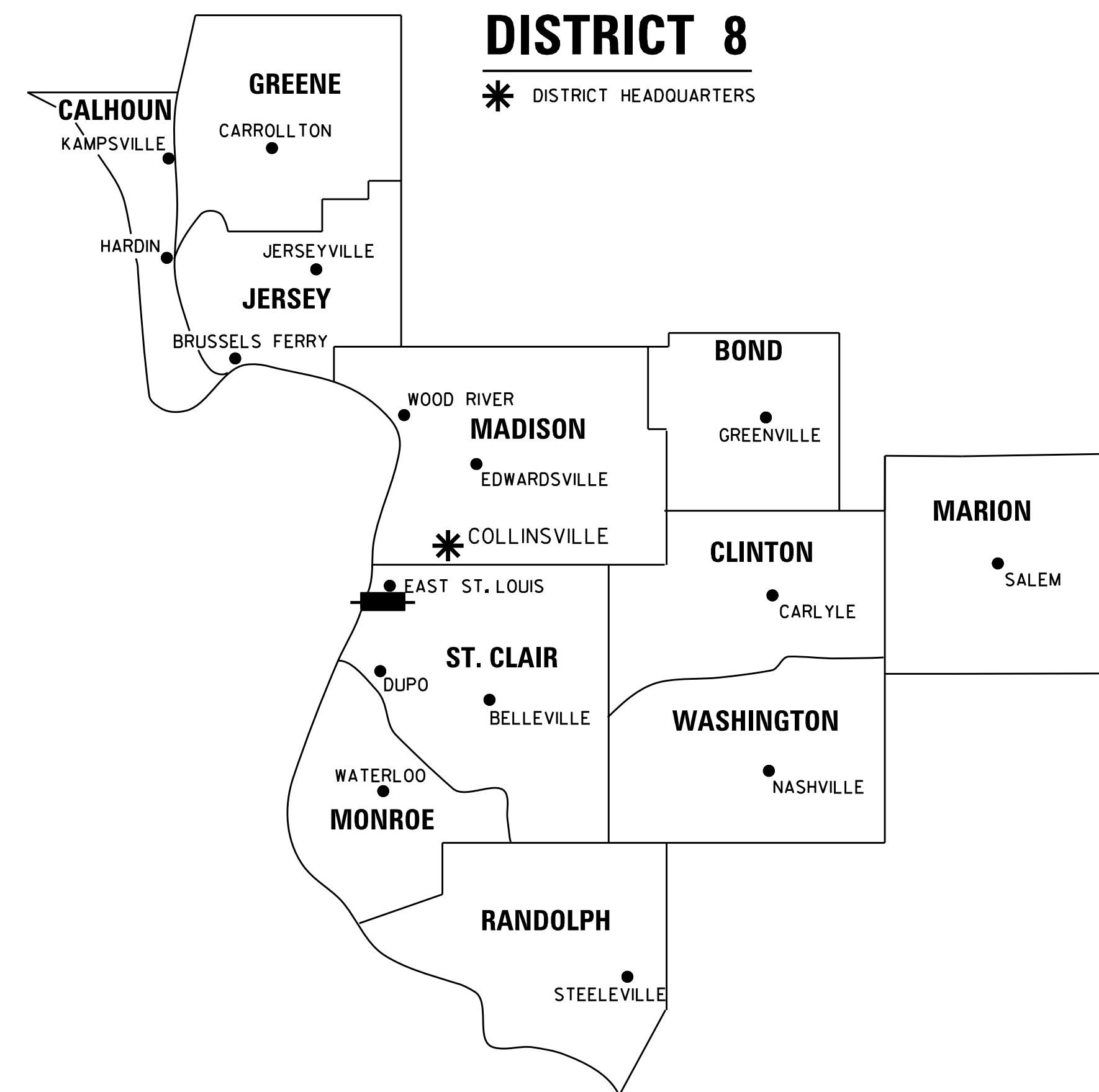
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

SPACE RESERVED FOR RECORDING OFFICER

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	COVER
2	LEGEND
3	NOT USED
4	PARCELS 8710103PE-A, 8710103PE-B,
5	NOT USED
6	NOT USED
7	NOT USED
8	NOT USED
9	NOT USED
10	CONTROL TIES

PLAT OF HIGHWAYS

FAI ROUTE 70 (I-55/64)
 SECTION 82-3HVB-2-2R-(2,1)-1-2
 ST. CLAIR COUNTY
 JOB NO. R-98-010-17



PROJECT LENGTH = 3,250 LIN. FT. = 0.6155 MILES

PREPARED BY:
API Survey LLC
 11145 N. Mockingbird Road
 P.O. Box 333
 Nashville, Illinois 62263
 Fax 618-478-9001
 Ph. 618-478-9000
 Email: gary@apisurvey.com
 IDPR Design Firm License No. 184-006526



JACK A. GELSO, PLS NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2018

SHEET 1 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2-2R-(2,1)-1-2	ST. CLAIR	238	62
			CONTRACT NO. 76945	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL GULFBOX	○	DRAINAGE FLOW LINE	≡
TRAFFIC SIGNAL HANDHOLE	⊖	RIP RAP	▬
TRAFFIC SIGNAL SIGNAL POST	○	HEADWALL	▬
TRAFFIC SIGNAL STEEL MAST ARM	▬	CULVERT END SECTION	▬
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON	●	DRAINAGE MANHOLE	○
TRAFFIC SIGNAL WOODEN POLE	○	INLET	○
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY	▬	ROADWAY DITCH FLOW	▬
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET	▬	VEGETATION LINE	▬
TRAFFIC SIGNAL JUNCTION BOX	⊞	STUMP	▬
TRAFFIC SIGNAL CONTROLLER	⊞	SHRUB	○
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE	⊞	EVERGREEN TREE	⊞
RAILROAD CANTILEVER MAST ARM	▬	DECIDUOUS TREE	⊞
RAILROAD CROSSBUCK	▬	WOODS/BUSH LINE	▬
RAILROAD TRACK	▬	TRAFFIC SIGN	▬
RAILROAD TRACK (ABANDONED)	▬	GUARDRAIL POST	▬
RAILROAD CROSSGATE	▬	GUARDRAIL	▬
RAILROAD CONTROL BOX	⊞	FIELD LINE	▬
RAILROAD FLASHING SIGNAL	▬	LEVEE/NOISE BARRIER	▬
UTILITY TELEPHONE SPLICE BOX	⊞	FENCE	▬
UTILITY POWER POLE	⊞	MAIL BOX	▬
UTILITY TRAFFIC SIGNAL	⊞	ADVERTISING SIGN	▬
UTILITY LIGHT POLE	⊞	MARSH	▬
UTILITY FIRE HYDRANT	⊞	LIGHTING HANDHOLE	▬
UTILITY MANHOLE	⊞	LIGHTING POWER POLE	▬
UTILITY TELEPHONE POLE	⊞	LIGHTING JUNCTION BOX	▬
UTILITY GUY ANCHOR	▬	LIGHTING HEAVYDUTY HANDHOLE	▬
UTILITY PIPELINE WARNING SIGN	▬	LIGHTING CONTROLLER	▬
UTILITY HANDHOLE	▬	LIGHTING PULL POINT	▬
UTILITY SPLICE BOX	⊞	HIGHWAY LIGHTING ELECTRICAL GROUND	▬
UTILITY JUNCTION BOX	⊞	HIGHWAY LIGHTING SINGLE UNIT	▬
UTILITY HEAVY DUTY HANDHOLE	⊞	HIGHWAY LIGHTING DOUBLE UNIT	▬
UTILITY DOUBLE HANDHOLE	⊞	EXISTING CONCRETE BARRIER	▬
UTILITY CONTROLLER	⊞	EXISTING CREEK OR DITCH	▬
UTILITY WATER METER	○	EXISTING EDGE OF PAVEMENT	▬

RIGHT-OF-WAY LEGEND

	QUARTER SECTION CORNERS
	SECTION CORNERS
	EXISTING CENTERLINE
	EXISTING RIGHT-OF-WAY LINE
	FORMER RIGHT-OF-WAY LINE
	EXISTING IDOT EASEMENT LINE
	EXISTING EASEMENT LINE
	BUILDING SETBACK LINE
	EXISTING ACCESS CONTROL LINE
	EXISTING RIGHT-OF-WAY & PROPOSED ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE
	PROPOSED CENTERLINE
	PROPOSED RIGHT-OF-WAY LINE
	PROPOSED TEMPORARY EASEMENT LINE
	PROPOSED PERMANENT EASEMENT LINE
	SECTION LINE
	QUARTER SECTION LINE
	QUARTER QUARTER SECTION LINE
	PROPERTY LINE (TITLE)
	RECORDED PLAT/DEED LINE
	APPARENT PROPERTY LINE
	SAME OWNERSHIP
	MEASURED DIMENSION
	RECORDED DIMENSION
	FOUND STONE
	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
	FOUND CUT CROSS
	SET CUT CROSS

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
℄	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
E	EAST
EOP	EDGE OF PAVEMENT
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m²	SQUARE METERS
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
℄	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD
ROW	RIGHT-OF-WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SEC	SECTION
SO FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
T	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001PE	PROPOSED PERMANENT EASEMENT
8001001TE	PROPOSED TEMPORARY EASEMENT
8001001DED	PROPOSED DEDICATION
8001001AC	PROPOSED ACCESS CONTROL LINE

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
CB	CHORD BEARING
R	RADIUS OF CURVE
L	LENGTH OF CURVE
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
E	EXTERNAL ORDINATE
Δ	CENTRAL ANGLE

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ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAI ROUTE 70 (I-55/64)
 SECTION 82-3HVB-2-2R-(2,1)-1-2
 ST. CLAIR COUNTY
 JOB NO. R-98-010-17

SHEET 2 of 4

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
70	82-3HVB-2-2R-(2,1)-1-2	ST. CLAIR	238
CONTRACT NO.			63
CONTRACT NO.			76945
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

BASIS OF COORDINATE & BEARING STATEMENT

THE COORDINATES AND BEARINGS FOR THIS SURVEY ARE BASED ON THE PROJECT SURVEY CONTROL DATA THAT THE ILLINOIS DEPARTMENT OF TRANSPORTATION (DEPARTMENT) PROVIDED TO THE SURVEYOR, WHICH IS A "GROUND SURFACE COORDINATE SYSTEM" PREPARED SPECIFICALLY FOR THIS PROJECT.

THE SURVEY CONTROL FOR THIS PROJECT ORIGINATED FROM THE PROJECT SURFACE COORDINATES (FEET), NEW MISSISSIPPI RIVER CROSSING (MRC) I-70, PRIMARY HORIZONTAL/VERTICAL CONTROL MONUMENTATION, PREPARED BY THE HNTB TEAM/DAVID MASON & ASSOCIATES, DATED MARCH 20, 2000.

THE MISSISSIPPI RIVER CROSSING (MRC) COORDINATE SYSTEM IS BASED ON A MODIFIED UNIVERSAL TRANSVERSE MEACATOR (UTM) SYSTEM. THE MRC COORDINATE SYSTEM HAS CONVERTED FROM UTM ZONE 15 NORTH BY AN AVERAGE PROJECTION FACTOR AND ALSO CONVERTED FROM METERS TO U.S. SURVEY FEET. THE MRC COORDINATE SYSTEM IS A SURFACE COORDINATE SYSTEM TO BE USED ON ALL PROJECTS RELATED TO THE MISSISSIPPI RIVER CROSSING.

THE CONTROL POINTS UTILIZED ON THIS PROJECT AND THEIR ASSOCIATED COORDINATES, AS PROVIDED BY THE DEPARTMENT, ARE LISTED IN THE TABLE BELOW.

**PROJECT SURVEY CONTROL DATA
GROUND SURFACE COORDINATE SYSTEM**

COORDINATES PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION
JOB NO. D-98-XXX-XX / CONTRACT NO. 76XXX

POINT NO.	NORTH (FEET)	EAST (FEET)	DESCRIPTION
134	14,037,338.4024	2,448,708.9927	IR W/ALUMINUM CAP
300	14,036,853.5650	2,448,431.5087	IR W/ALUMINUM CAP
301	14,036,412.6401	2,448,287.5174	IR W/ALUMINUM CAP
302	14,035,800.3365	2,448,197.2575	IR W/ALUMINUM CAP
303	14,034,806.1069	2,448,002.0235	IR W/ALUMINUM CAP
304	14,034,848.3217	2,448,735.5589	IR W/ALUMINUM CAP
305	14,035,688.3165	2,448,778.6077	IR W/ALUMINUM CAP
306	14,036,060.2813	2,449,153.8945	IR W/ALUMINUM CAP
307	14,035,469.5918	2,449,664.9248	IR W/ALUMINUM CAP
308	14,034,931.7749	2,449,452.9129	IR W/ALUMINUM CAP
309	14,034,520.7121	2,449,141.5951	IR W/ALUMINUM CAP

EXISTING R.O.W. (RECORD INFORMATION)

PARCEL	BOOK/PAGE	DATE RECORDED
8710101	PB 60 PG 102	4/15/1966
	PB 60 PG 103	4/15/1966
	BK 1923 PG 480	10/20/1964
	BK 1938 PG 437	2/8/1965
	BK 1947 PG 396	4/6/1965
	BK 1950 PG 442	4/27/1965
8710102	BK 1944 PG 446	3/18/1965
	BK 1982 PG 233	11/5/1965
	PB 60 PG 102	4/15/1966
	BK 1923 PG 480	10/20/1964
8710103	BK 1950 PG 440	4/27/1965
	BK 1982 PG 233	11/5/1965
	PB 60 PG 102	4/15/1966
8710104	BK 1982 PG 233	11/5/1965
	PB 60 PG 102	4/15/1966
8710105	CIV. NO.65-736	5/27/1966
	PB 60 PG 102	4/15/1966
	BK 1946 PG 266	3/30/1965
8710106	BK 1967 PG 152	8/5/1965
	PB 60 PG 102	4/15/1966
8710107	BK 1946 PG 266	3/30/1965
	PB 60 PG 102	4/15/1966
8710108	CIV. NO.65-736	5/27/1966
	PB 60 PG 102	4/15/1966
8710109	CIV. NO.65-736	5/27/1966
	PB 60 PG 101	4/15/1966
8710110	BK 1946 PG 275	NOT LEGIBLE
	PB 60 PG 101	4/15/1966
	BK 1946 PG 275	NOT LEGIBLE

■ STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS, SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

■^B STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS IN CULTIVATED AREA, A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON 6/20/17; 6/21/17; & 7/05/17:

1. COMMERCIAL BUILDING & FENCES
2. EDGE OF AGGREGATE SERVICE ROAD
3. BILLBOARD SIGN POSTS
4. RR CROSSINGS

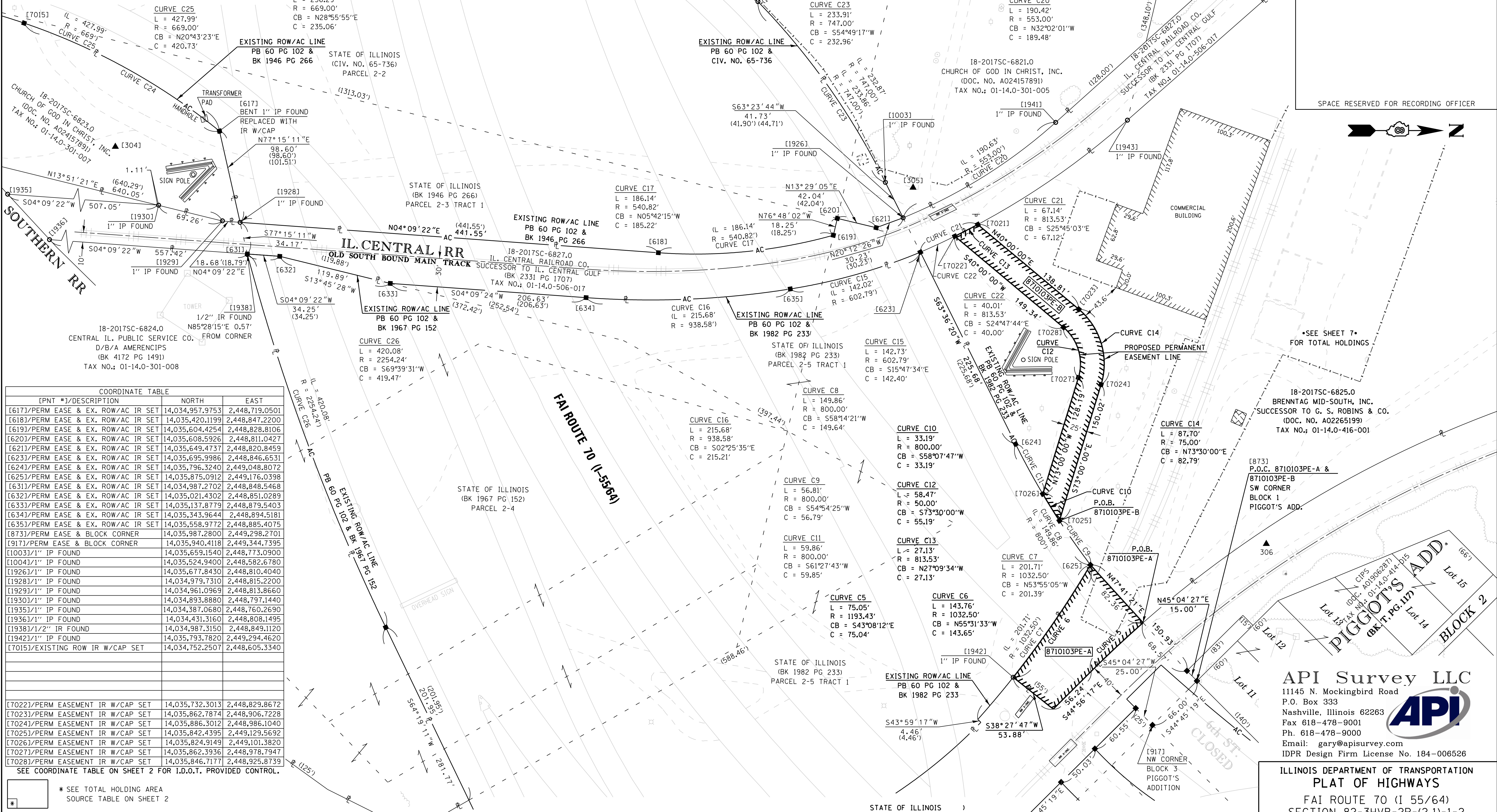


JACK A. GELSO, PLS NO. 3786
 LICENSE EXPIRATION DATE: 11/30/2018

9/7/2018

PART OF U.S. SURVEY 579 & 786, CLAIM 2667 & PART OF THE SE 1/4 OF SECTION 14, T. 2 N., R. 10 W., OF THE 3RD P.M., ST. CLAIR COUNTY, ILLINOIS

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2



COORDINATE TABLE			
[PNT #]/DESCRIPTION	NORTH	EAST	
[617]/PERM EASE & EX. ROW/AC IR SET	14,034,957.9753	2,448,719.0501	
[618]/PERM EASE & EX. ROW/AC IR SET	14,035,420.1199	2,448,847.2200	
[619]/PERM EASE & EX. ROW/AC IR SET	14,035,604.4254	2,448,828.8106	
[620]/PERM EASE & EX. ROW/AC IR SET	14,035,608.5926	2,448,811.0427	
[621]/PERM EASE & EX. ROW/AC IR SET	14,035,649.4737	2,448,820.8459	
[623]/PERM EASE & EX. ROW/AC IR SET	14,035,695.9986	2,448,846.6531	
[624]/PERM EASE & EX. ROW/AC IR SET	14,035,796.3240	2,449,048.8072	
[625]/PERM EASE & EX. ROW/AC IR SET	14,035,875.0912	2,449,176.0398	
[631]/PERM EASE & EX. ROW/AC IR SET	14,034,987.2702	2,448,848.5468	
[632]/PERM EASE & EX. ROW/AC IR SET	14,035,021.4302	2,448,851.0289	
[633]/PERM EASE & EX. ROW/AC IR SET	14,035,137.8779	2,448,879.5403	
[634]/PERM EASE & EX. ROW/AC IR SET	14,035,343.9644	2,448,894.5181	
[635]/PERM EASE & EX. ROW/AC IR SET	14,035,558.9772	2,448,885.4075	
[873]/PERM EASE & BLOCK CORNER	14,035,987.2800	2,449,298.2701	
[917]/PERM EASE & BLOCK CORNER	14,035,940.4118	2,449,344.7395	
[1003]/1" IP FOUND	14,035,659.1540	2,448,773.0900	
[1004]/1" IP FOUND	14,035,524.9400	2,448,582.6780	
[1926]/1" IP FOUND	14,035,677.8430	2,448,810.4040	
[1928]/1" IP FOUND	14,034,979.7310	2,448,815.2200	
[1929]/1" IP FOUND	14,034,961.0969	2,448,813.8660	
[1930]/1" IP FOUND	14,034,893.8880	2,448,797.1440	
[1935]/1" IP FOUND	14,034,387.0680	2,448,760.2690	
[1936]/1" IP FOUND	14,034,431.3160	2,448,808.1495	
[1938]/1/2" IR FOUND	14,034,987.3150	2,448,849.1120	
[1942]/1" IP FOUND	14,035,793.7820	2,449,294.4620	
[7015]/EXISTING ROW IR W/CAP SET	14,034,752.2507	2,448,605.3340	
[7022]/PERM EASEMENT IR W/CAP SET	14,035,732.3013	2,448,829.8672	
[7023]/PERM EASEMENT IR W/CAP SET	14,035,862.7874	2,448,906.7228	
[7024]/PERM EASEMENT IR W/CAP SET	14,035,886.3012	2,448,986.1040	
[7025]/PERM EASEMENT IR W/CAP SET	14,035,842.4395	2,449,129.5692	
[7026]/PERM EASEMENT IR W/CAP SET	14,035,824.9149	2,449,101.3820	
[7027]/PERM EASEMENT IR W/CAP SET	14,035,862.3936	2,448,978.7947	
[7028]/PERM EASEMENT IR W/CAP SET	14,035,846.7177	2,448,925.8739	

SEE COORDINATE TABLE ON SHEET 2 FOR I.D.O.T. PROVIDED CONTROL.

* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SO FT		PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES		
8710103	BRENNTAG MID-SOUTH, INC. SUCCESSOR TO G. S. ROBINS & COMPANY TITLE REPORT NO. SC-6825.0	14.8660			14.8660	PE-A 0.2049 PE-B 0.2045 TOTAL 0.4094	TE-A 8.927 TE-B 8.908 TOTAL 17.835	01-14.0-416-001	

STATE OF ILLINOIS)
COUNTY OF WASHINGTON) SS

I, JACK A. GELSO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 8/17/2018

JACK A. GELSO, PLS NO. 3786
LICENSE EXPIRATION DATE: 11/30/2018



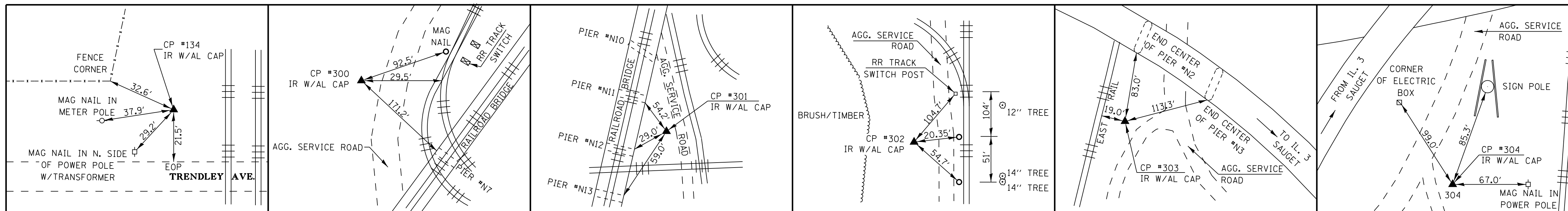
COMPLETION DATE OF FIELD WORK PERFORMED	LAND SURVEY: 7/14/2017	ROW STAKING:
---	------------------------	--------------

API Survey LLC
11145 N. Mockingbird Road
P.O. Box 333
Nashville, Illinois 62263
Fax 618-478-9001
Ph. 618-478-9000
Email: gary@apisurvey.com
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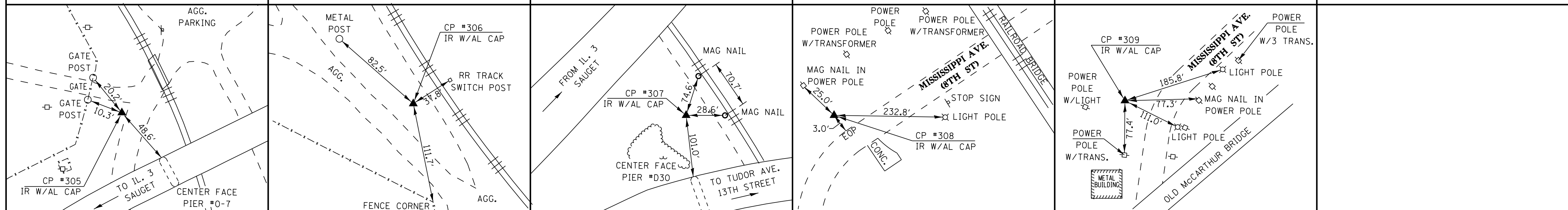
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAI ROUTE 70 (I 55/64)
SECTION 82-3HVB-2R-(2,1)-1-2
ST. CLAIR COUNTY
JOB NO. R-98-010-17

SCALE: 1" = 50'			
SHEET 3 of 4			
ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238
CONTRACT NO. 76945			SHEET NO. 64
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

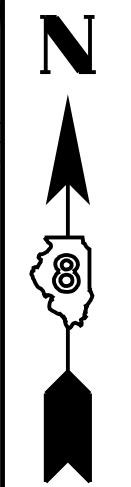
CONTROL TIE SHEET



CP #134 N=14,037,338.4024 E=2,448,708.9927	CP #300 N=14,036,853.5650 E=2,448,431.5087	CP #301 N=14,036,412.6401 E=2,448,287.5174	CP #302 N=14,035,800.3365 E=2,448,197.2575	CP #303 N=14,034,806.1069 E=2,448,002.0235	CP #304 N=14,034,848.3217 E=2,448,735.5589
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CP #305 N=14,035,688.3165 E=2,448,778.6077	CP #306 N=14,036,060.2813 E=2,449,153.8945	CP #307 N=14,035,469.5918 E=2,449,664.9248	CP #308 N=14,034,931.7749 E=2,449,452.9129	CP #309 N=14,034,520.7121 E=2,449,141.5951	
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SPACE RESERVED FOR RECORDING OFFICER

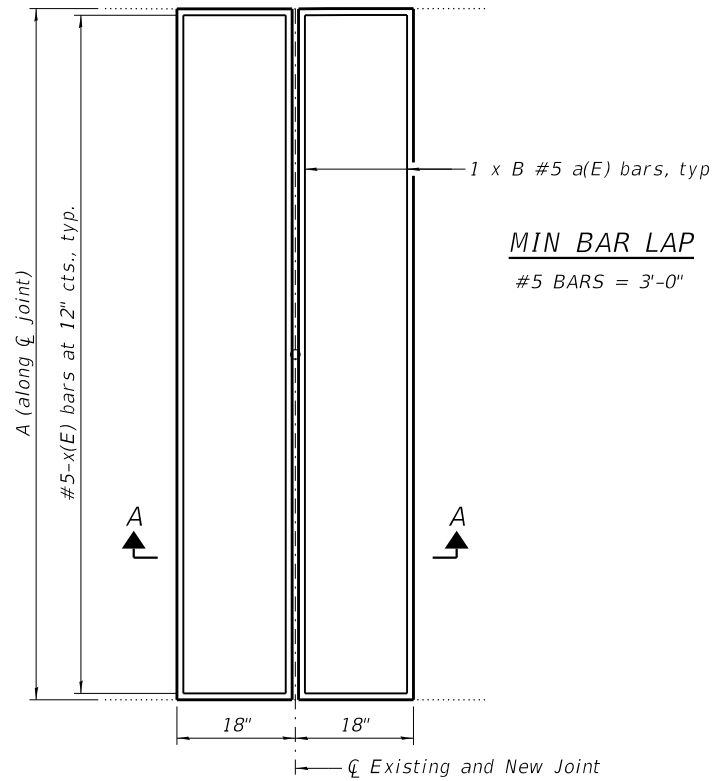
9/7/2018
JACK A. GELSO, PLS NO. 3786
LICENSE EXPIRATION DATE: 11/30/2018



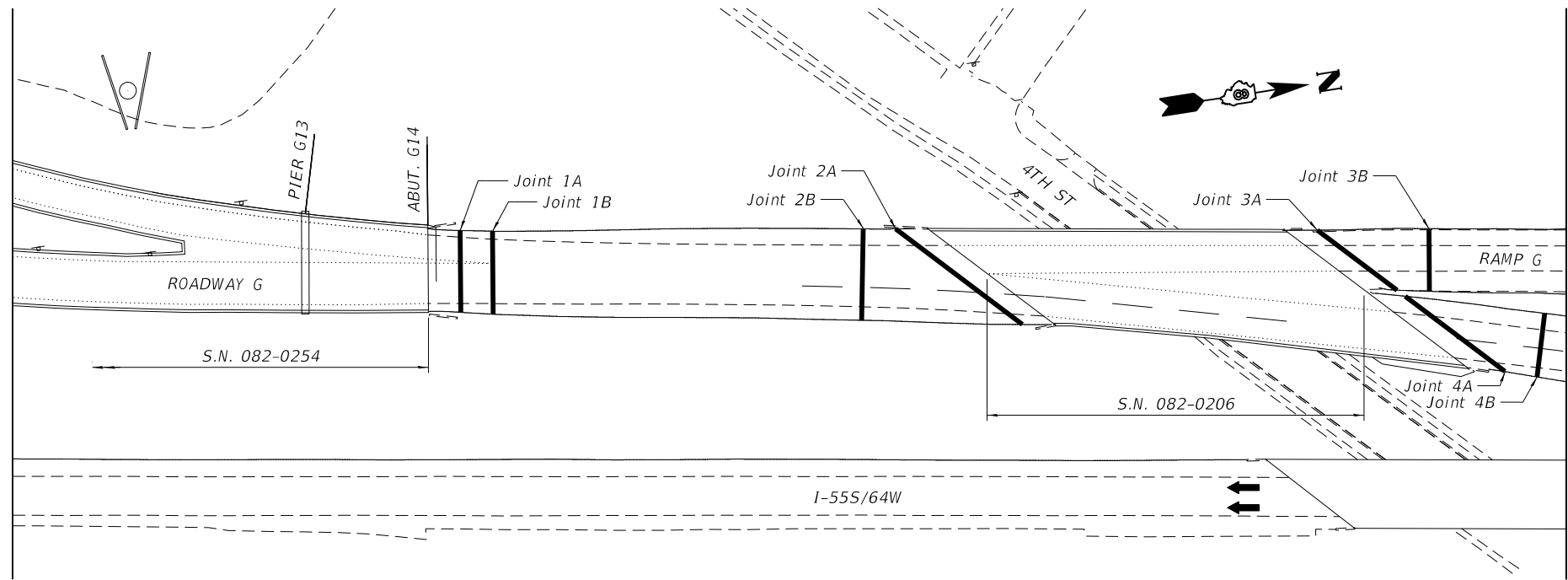
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Fax 618-478-9001
Ph. 618-478-9000
Email: gary@apisurvey.com
IDPR Design Firm License No. 184-006526

COMPLETION DATE OF FIELD WORK PERFORMED				
LAND SURVEY:	ROW STAKING:			
ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS FAI ROUTE 70 (I 55/64) SECTION 82-3HVB-2-2R-(2,1)-1-2 ST. CLAIR COUNTY JOB NO. R-98-010-17 CONTROL TIE SHEET				
NOT TO SCALE				
SHEET 4 of 4				
ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2-2R-(2,1)-1-2	ST. CLAIR	238	65
CONTRACT NO. 76945				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

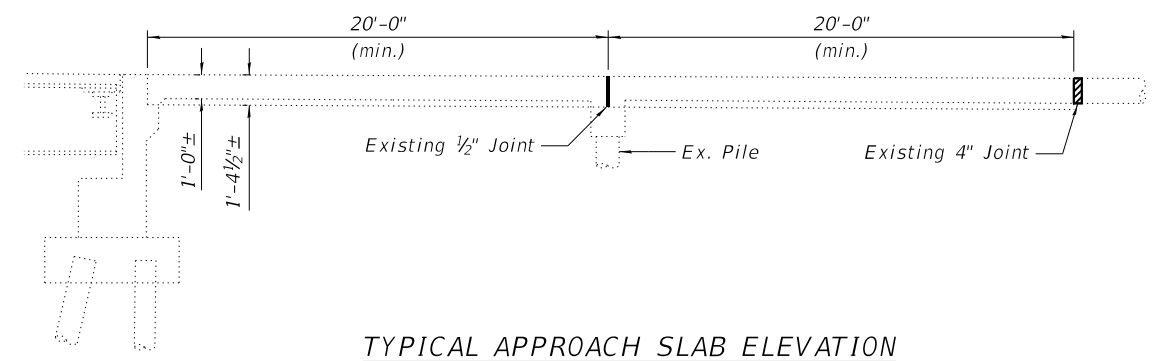
PRINT DATE: 9/27/2018 9:03:02 AM Z:\5052 Poplar Street Complex\DCN\Bridges\Final\Plotsheets\07LApproach Joint Repair.dgn



PLAN SHOWING TYPICAL JOINT REMOVAL AND REPLACEMENT



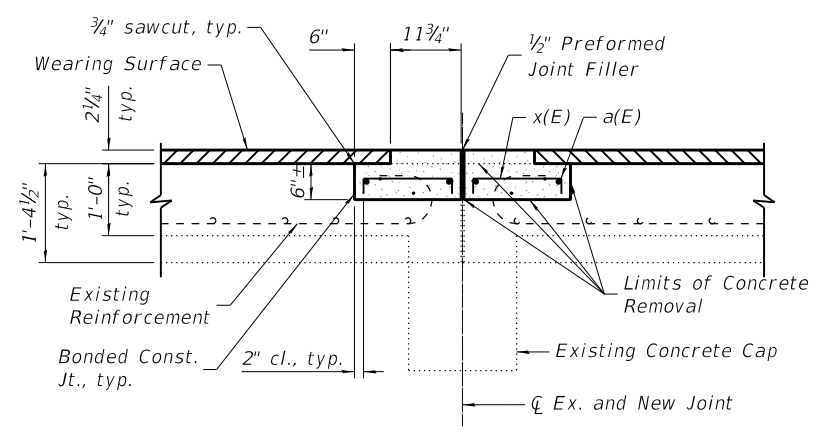
PLAN



TYPICAL APPROACH SLAB ELEVATION

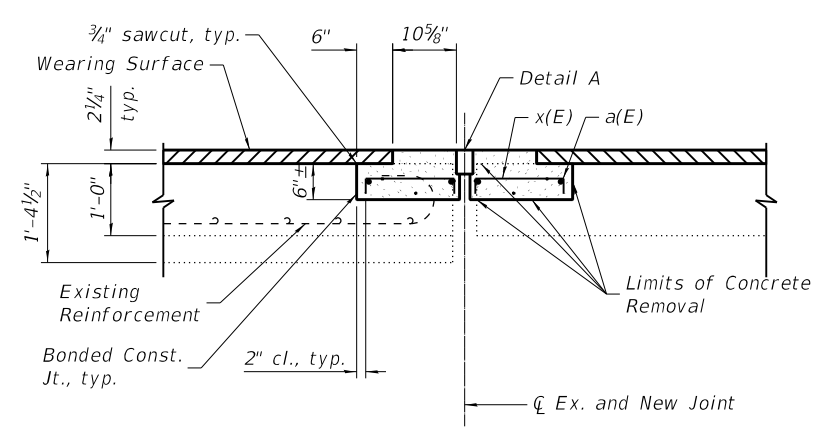
TABLE OF DIMENSIONS

JOINT NO.	1A	1B	2A	2B	3A	3B	4A	4B
A	50'-7"	51'-4"	98'-2"	56'-6"	61'-8"	37'-9"	77'-3"	39'-7"
B	2	2	3	2	2	3	3	2
a(E) bar	a51(E)	a51(E)	a52(E)	a51(E)	a52(E)	a50(E)	a51(E)	a50(E)
No. of a(E) bars	8	8	12	8	8	8	12	8
No. of x(E) bars	51	52	99	57	62	38	78	40



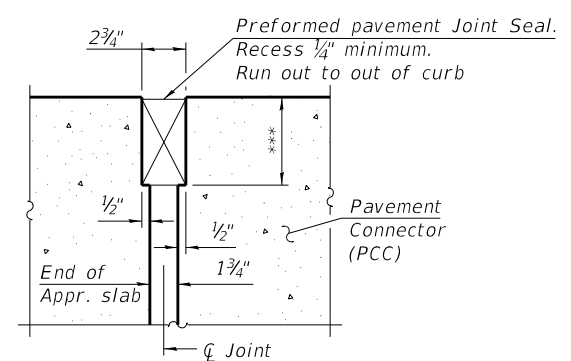
JOINTS 1A, 2A, 3A AND 4A

(Normal to joint)



JOINTS 1B, 2B, 3B AND 4B

SECTION A-A



DETAIL A

(Detail A shown, applies to PCC Pavement Connector only. Detail A for pavement connector (HMA) may be found on Highway Standard 420406.)

*** Per manufacturer recommendations

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a50(E)	16	#5	22'-0"	—
a51(E)	36	#5	30'-0"	—
a52(E)	20	#5	35'-0"	—
x(E)	477	#5	1'-7"	┌
Concrete Removal		Cu. Yd.	24.6	
Preformed Joint Seal 3 1/2"		Foot	185	
Concrete Superstructure (Approach Slab)		Cu. Yd.	31.4	
Reinforcement Bars, Epoxy Coated		Pound	3,010	

Bars indicated thus 1 x B #5 etc. indicates 1 line of bars with B lengths per line.

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. 082-0005 was originally built in 1966 as F.A.I. 70, Section 82-3VB & reconstructed in 1991 as F.A.I. 70, Section 82-3HVB-2R-2. The existing structure consists of a 6-span superstructure supported on multi-column piers, which are founded on pile supported footings and a solid wall pier at the west end. The structure width varies and the total length is 856' from River Pier 6 to Pier A1/BC1/D1. The superstructure framing is arranged in single and five span units between expansion joints, and is composite with the deck.

Salvage: None

SCOPE OF WORK

1. Installation of new continuous, strip seal joint at Pier 5.
2. Bearing stiffener repairs at twelve locations.

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

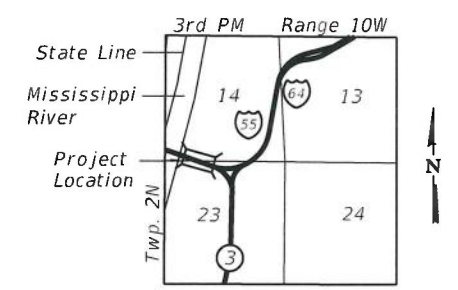
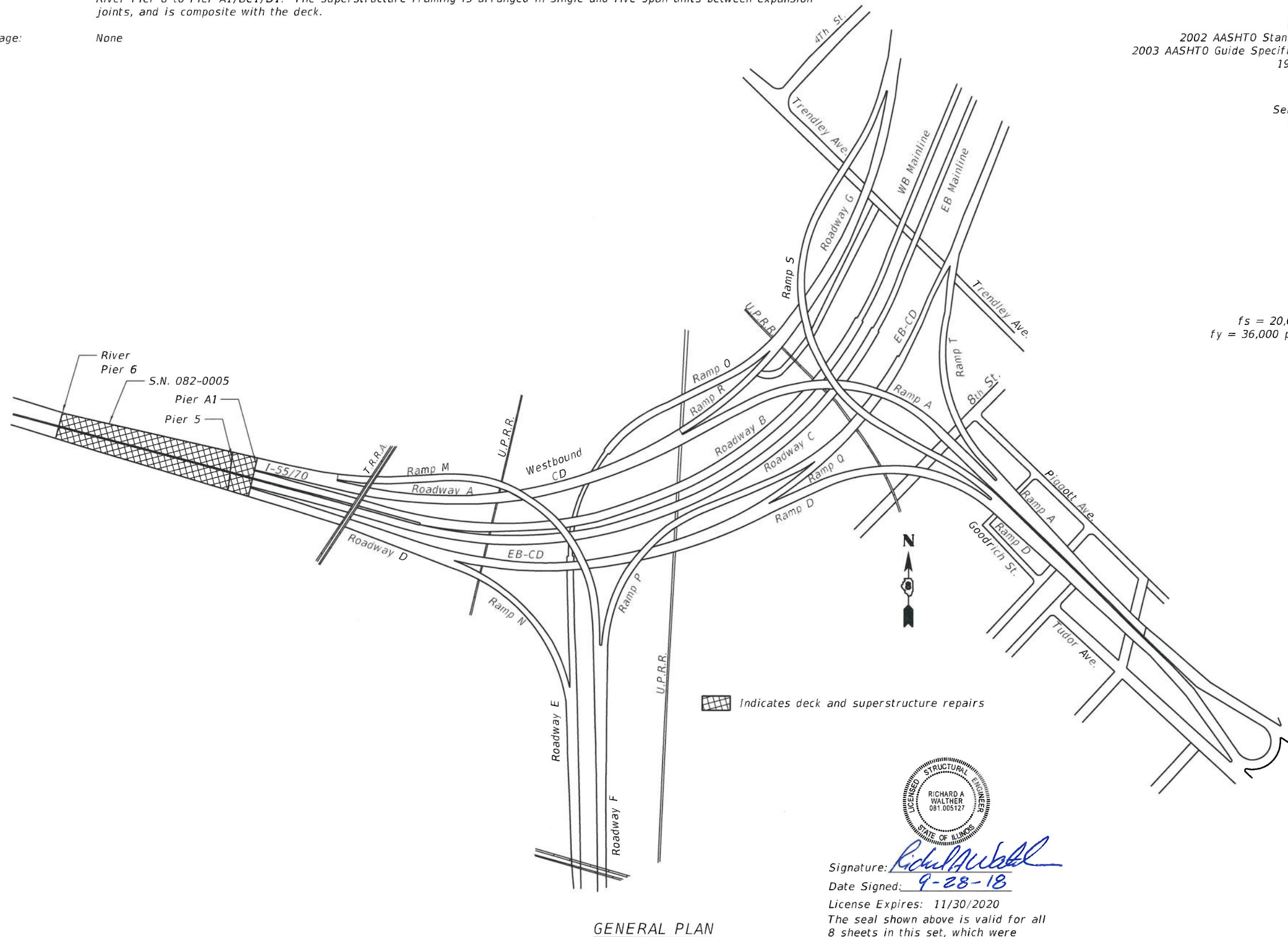
FIELD UNITS

NEW CONSTRUCTION

$f'_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (Structural Steel)

EXISTING CONSTRUCTION

$f'_c = 3,500$ psi (1989+ Rehabs)
 $f'_c = 1,400$ psi (1967 Construction)
 $f_s = 20,000$ psi (Reinforcement)
 $f_s = 20,000$ psi (Structural Steel 1967 Construction)
 $f_y = 36,000$ psi & $50,000$ psi (Structural Steel 1989+ Rehabs)



LOCATION SKETCH



Signature: *Richard A. Walther*
 Date Signed: 9-28-18
 License Expires: 11/30/2020
 The seal shown above is valid for all 8 sheets in this set, which were prepared under my direct supervision.

GENERAL PLAN

GENERAL PLAN
 F.A.I. 70 (I-55/I-64) US 40
 OVER IC & TRRA RR
 SEC. 82-3HVB-2R-(2,1)-1-2
 ST. CLAIR COUNTY
 STATION 41+00.00
 STRUCTURE NO. 082-0005

PRINT DATE: 10/5/2018 7:30:15 AM Z:\15052 Poplar Street Complex\DGN\Bridges\final\PlotSheets\Structure No. 082-0005\001-Cover Sheet.dgn

WILSON JENNEY ENGINEERS ARCHITECTS MATERIAL SCIENTISTS Wils. Jenney, Eistner Associates, Inc. 330 Pilsbrien Road Northbrook, Illinois 60062 847.272.7400 fax 847.291.9595 fax	USER NAME = acb	DESIGNED - ARB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN S.N. 082-0005 SHEET NO. 1 OF 8 SHEETS	F.A.I. RTE. 70	SECTION 82-3HVB-2R-(2,1)-1-2	COUNTY ST. CLAIR	TOTAL SHEETS 238	SHEET NO. 67
	PLOT SCALE = 0:2.0000 '1" / 1"	CHECKED - RW	REVISED -			CONTRACT NO. 76945				
	DRAWN - ACB	REVISED -								
	PLOT DATE = 10/5/2018	DATE - 9/28/2018	REVISED -							

GENERAL NOTES

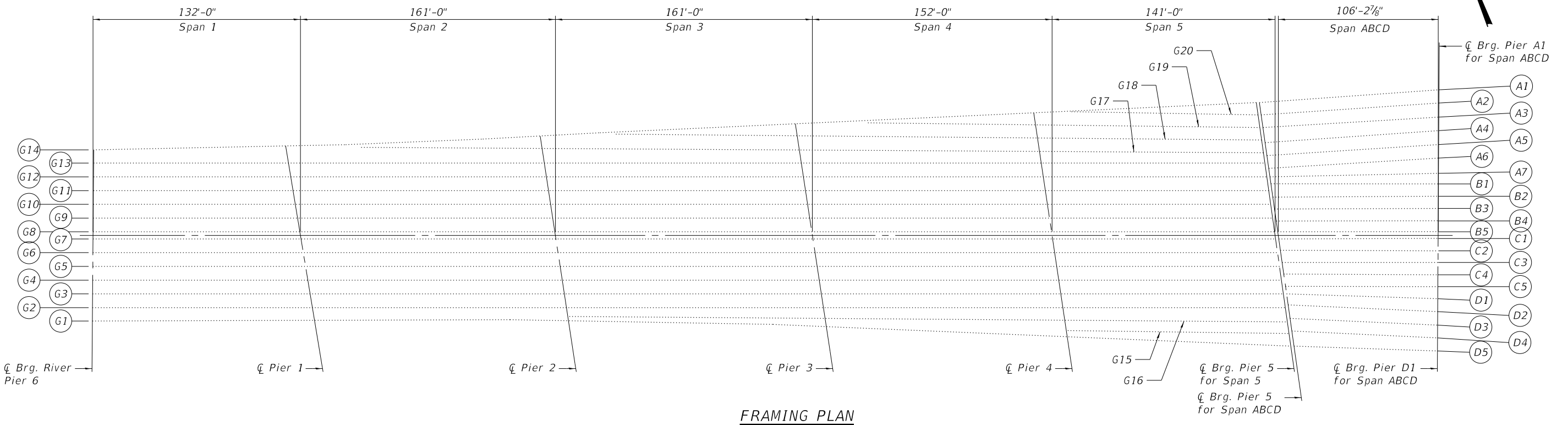
- Dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to field verify such dimensions and details and make necessary approved adjustments prior to construction or ordering materials. Such variation shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- All structural steel shall be AASHTO M-270 Grade 36, unless noted otherwise.
- No field welding is permitted except as specified in the contract documents.
- Fasteners shall be ASTM A325, Type I, 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".
- All new structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair. All faying surfaces of bolted connections must meet the requirements for a class A surface as defined by AASHTO.
- Reinforcing bars designated (E) shall be epoxy-coated. Damage to the epoxy coating during handling, placement, etc., shall be repaired according to the Special Provision "Field Coating Reinforcing Bars".
- All accessories including bolsters, chairs, tie wire, etc., used to tie or support the epoxy-coated bars shall be epoxy coated.
- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of false work, in addition to allowance for dead load deflection.
- Design and construction of form work shall be the responsibility of the Contractor and shall be performed in accordance with ACI 347 and the Standard Specification.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when closure concrete is placed at an ambient temperature other than 50°F.

INDEX OF SHEETS

- General Plan
- General Data and Framing Plan
- Expansion Joint Removal Detail
- Expansion Joint Replacement Detail
- Preformed Joint Strip Seal
- Bearing Stiffener Repair Details
- Bearing Stiffener Repair Details
- Bar Splicer Assembly and Mechanical Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	20.9	0.0	20.9
Concrete Superstructure	Cu. Yd.	20.9	0.0	20.9
Reinforcement Bars, Epoxy Coated	Pound	3310	0	3310
Bar Splicers	Each	84	0	84
Preformed Joint Strip Seal	Foot	89	0	89
Structural Steel Repair	Pound	840	0	840



FRAMING PLAN

PRINT DATE: 10/5/2018 7:30:15 AM Z:\5052 Poplar Street Complex\DCN\Bridg\Final\Plotsheets\Structure No.082-0005\002-GeneralData.dgn

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

USER NAME = acb	DESIGNED - ARB	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - RW	REVISED -
PLOT DATE = 10/5/2018	DRAWN - ACB	REVISED -
	DATE - 9/28/2018	REVISED -

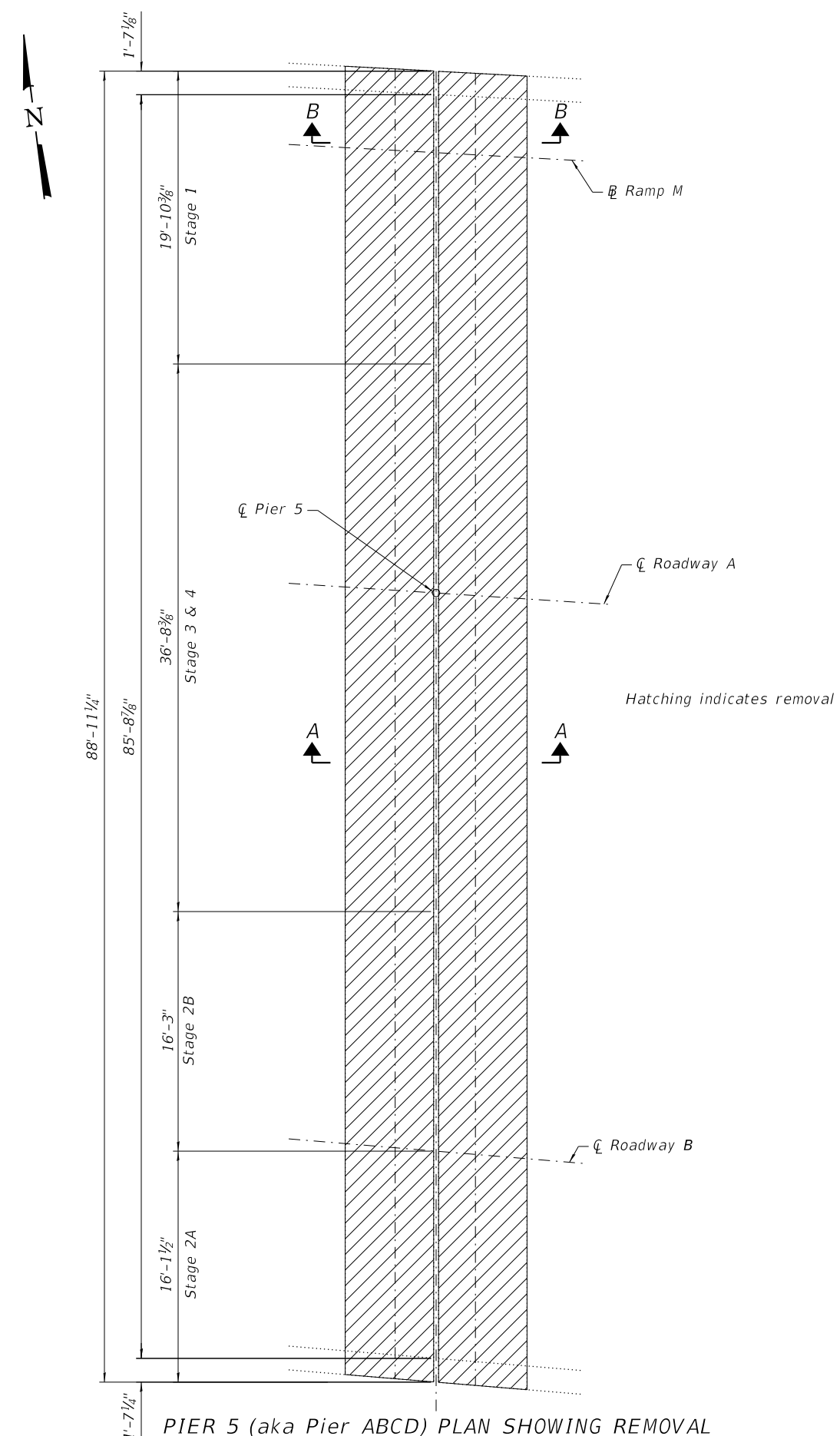
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA AND FRAMING PLAN
 S.N. 082-0005**

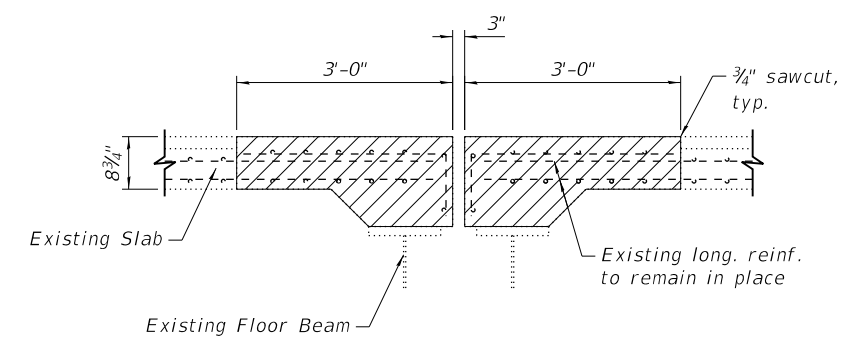
SHEET NO. 2 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

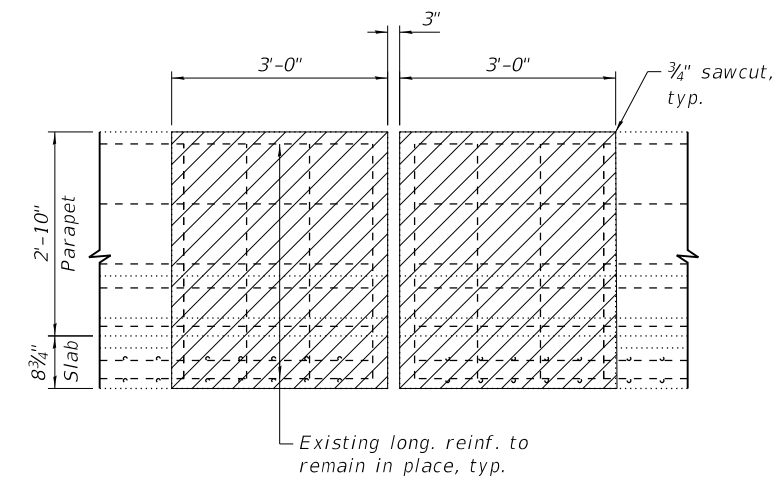
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PIER 5 (aka Pier ABCD) PLAN SHOWING REMOVAL



SECTION A-A



VIEW B-B
(Showing Reinforcement)

Notes:
 Saw cut perimeter of repair area as shown. 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 joint and stay-in-place metal pans shall be included in the cost of Concrete Removal.
 Contractor shall take precautions during removal of southern parapet to prevent debris from entering Westbound lanes.
 The Contractor shall ensure that construction activities are in compliance with the Railroad General Notes shown on Sheet 2 of the Roadway Plans.
 Concrete removal calculations account for staged construction and include a quantity associated with removal of a small portion of the prior stage to facilitate the work.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	20.9

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
 Wess, Janney, Elstner Associates, Inc.
 330 Pingsten Road
 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax

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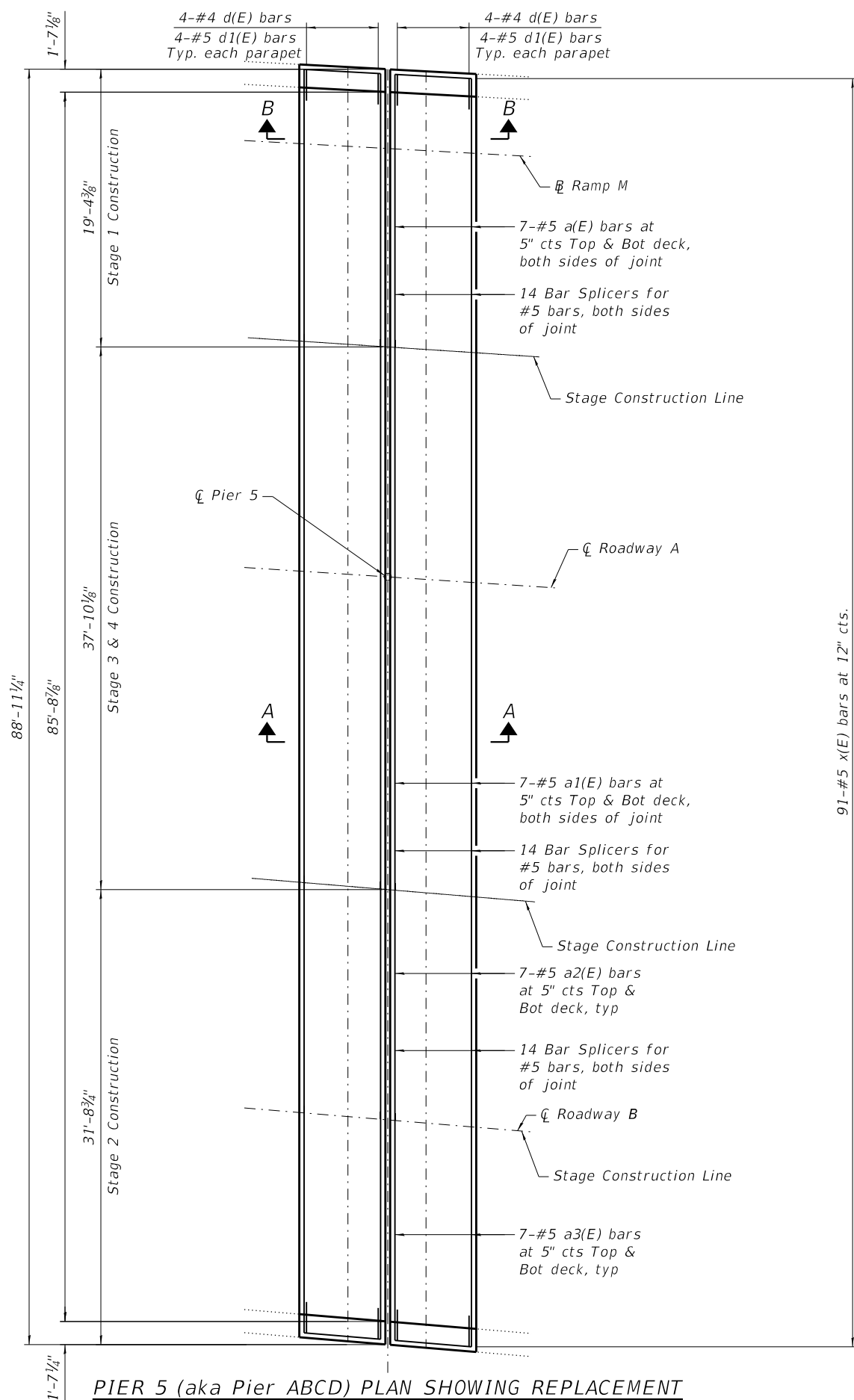
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT REMOVAL DETAILS
S.N. 082-0005**

SHEET NO. 3 OF 8 SHEETS

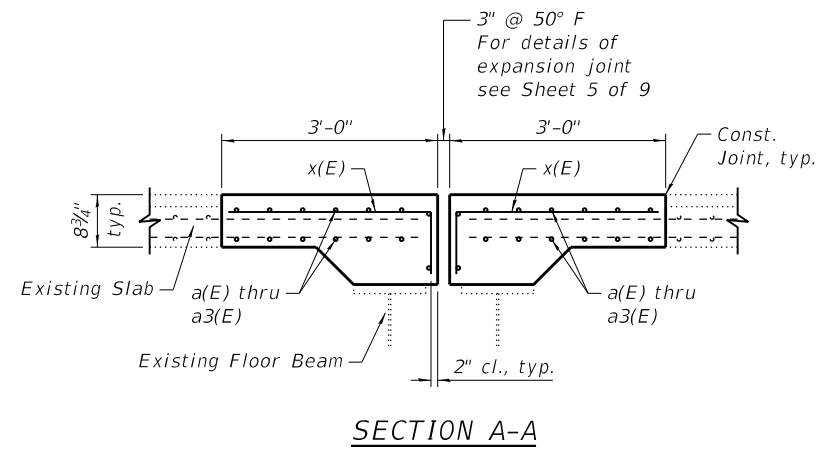
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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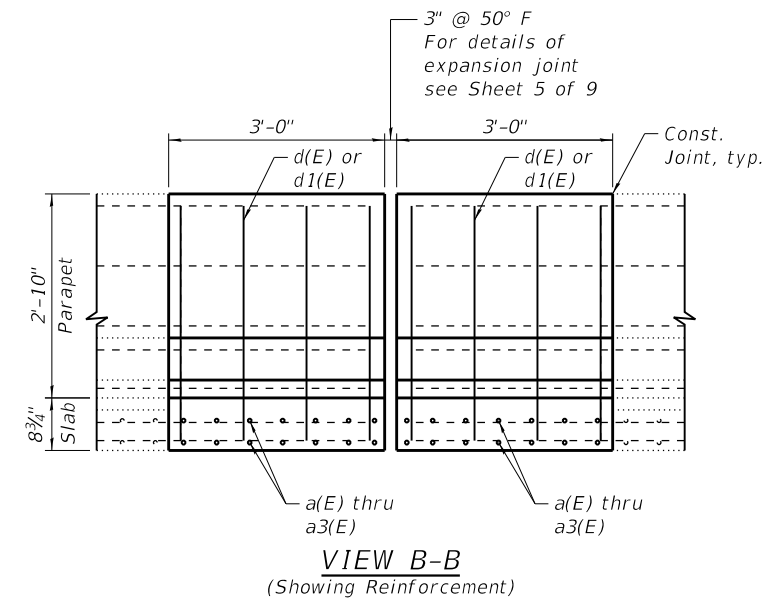


PIER 5 (aka Pier ABCD) PLAN SHOWING REPLACEMENT

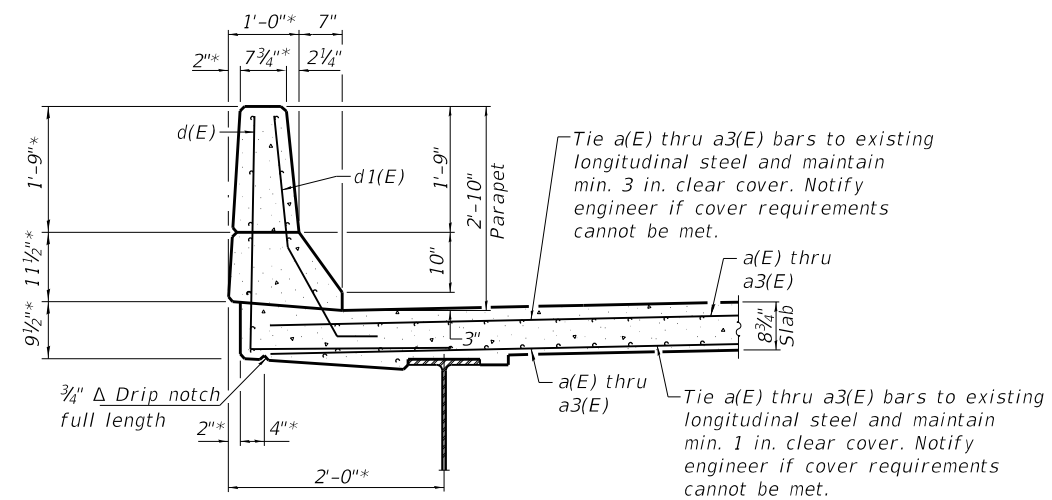
91-#5 x(E) bars at 12" cts.
(20-Stage 1, 38-Stage 3 & 4, 33-Stage 5)



SECTION A-A



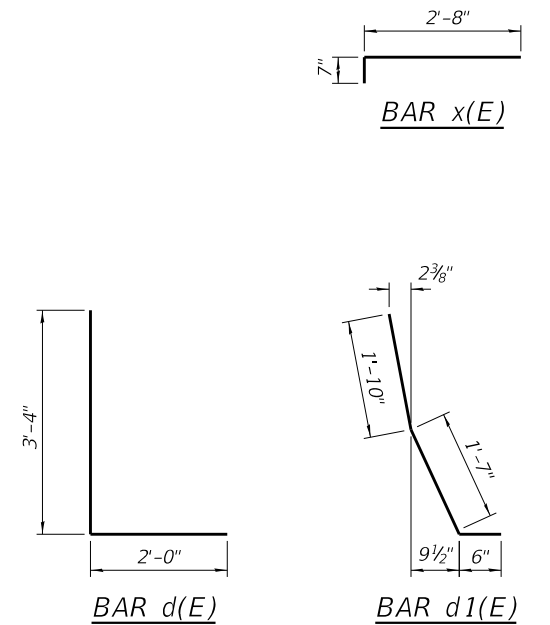
VIEW B-B
(Showing Reinforcement)



SECTION THRU NORTH PARAPET

*Adjust to match existing dimensions of south parapet, which abuts WB parapet

Notes:
Existing reinforcing bars shall be field-coated with epoxy, in accordance with the Special Provision "Field Coating Reinforcing Bars with Epoxy".
New concrete deck surfaces adjacent to expansion joints shall have a tined finish as per Article 420.09(e)(1) of the Standard Specifications. At locations where the roadway will be open to traffic within two weeks or less of concrete placement due to construction staging, an accelerating admixture from IDOT Qualified Product List of Concrete Admixtures shall be used for deck slab repairs. Refer to the Roadway Plans and project schedule. Cost included with Concrete Superstructure.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	28	#5	19'-2"	—
a1(E)	28	#5	37'-11	—
a2(E)	28	#5	15'-9"	—
a3(E)	28	#5	15'-2"	—
d(E)	16	#4	5'-4"	L
d1(E)	16	#5	3'-11"	L
x(E)	182	#5	3'-3"	—
Reinforcement Bars, Epoxy Coated			Lbs.	3310
Concrete Superstructure			Cu. Yds.	20.9
Bar Splicer			Each	84

See Roadway Plans for extents of required traffic control.

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
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847.272.7400 tel | 847.291.9595 fax

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	DATE - 9/28/2018	REVISED -

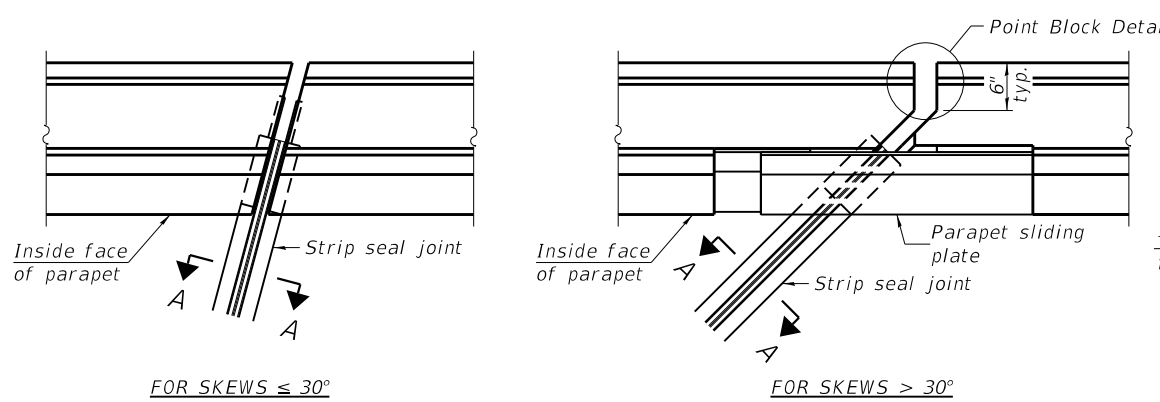
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
S.N. 082-0005

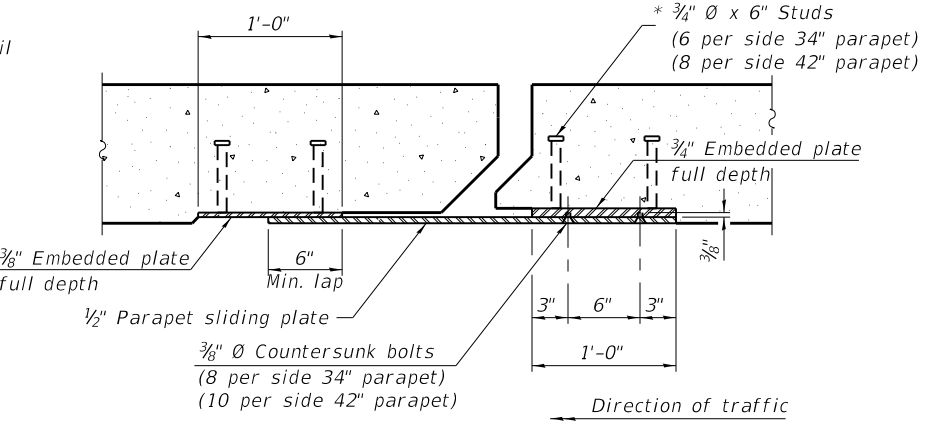
SHEET NO. 4 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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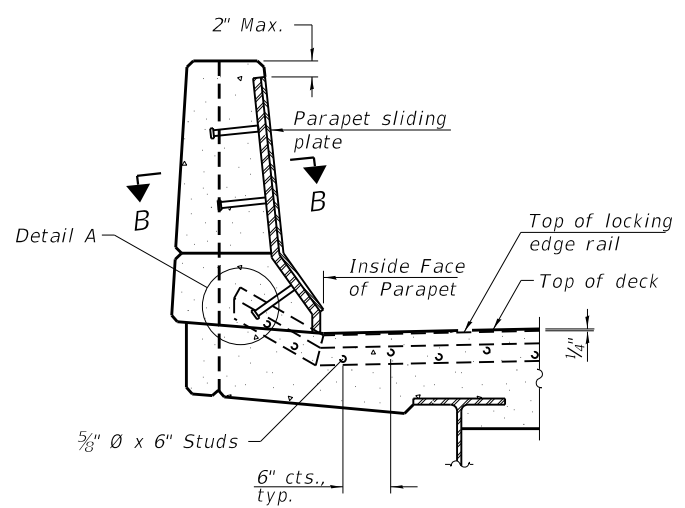


PLAN AT PARAPET



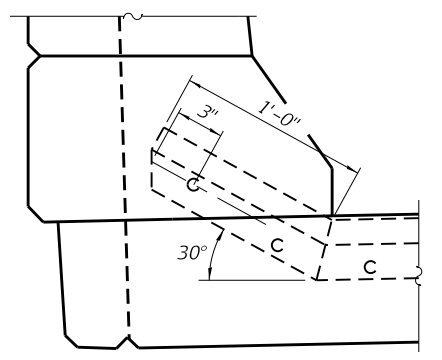
SECTION B-B

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.

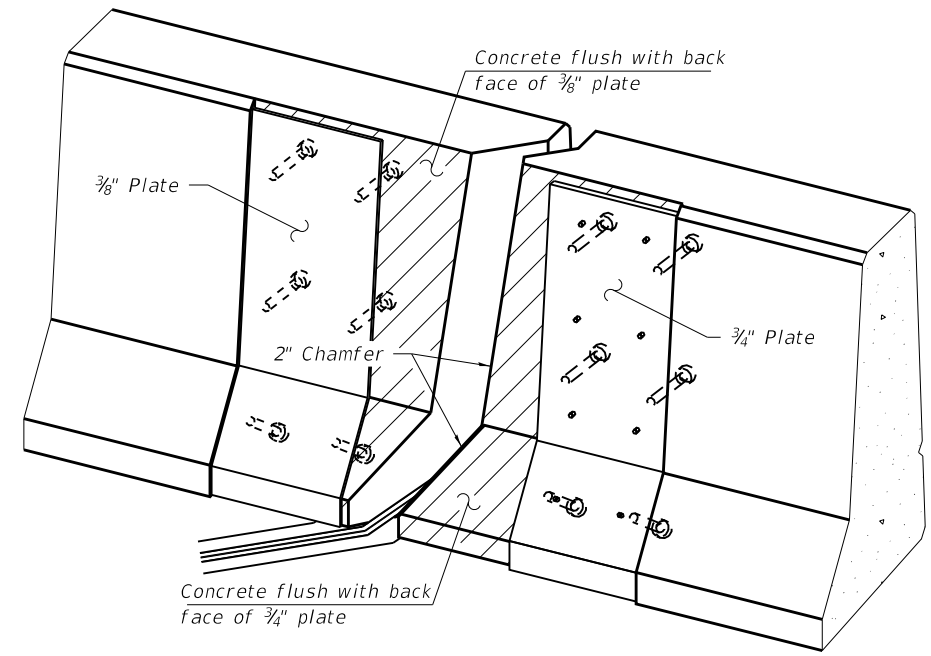


ELEVATION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)

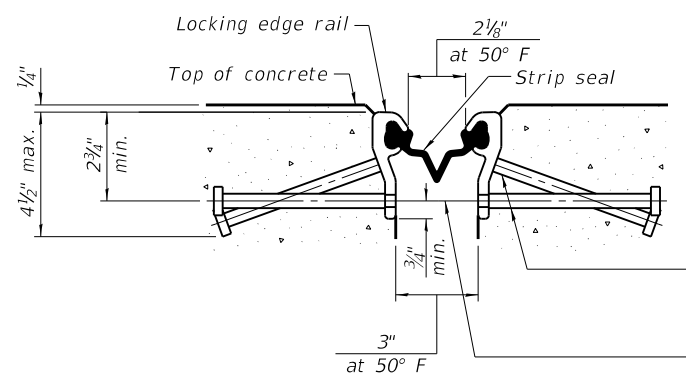


DETAIL A



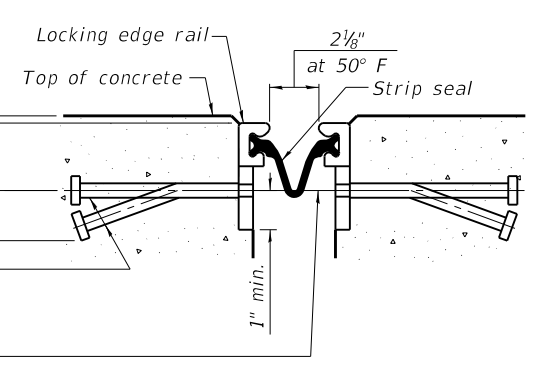
TRIMETRIC VIEW
(Showing embedded plates only)

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
 34" F-shape barrier shown, 42" F-shape similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

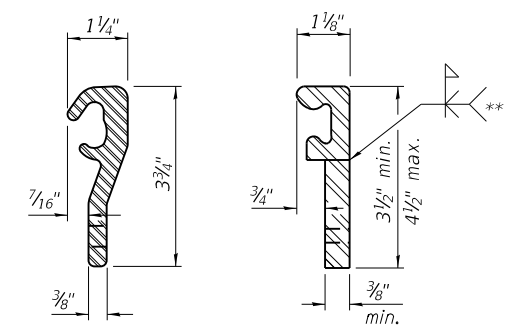


SHOWING ROLLED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

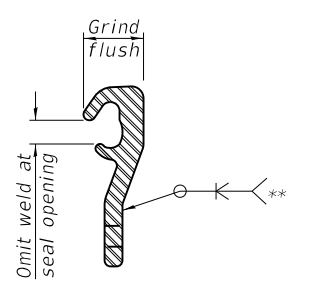


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.
 Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	89

EJ-SS

8-11-17

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

USER NAME = acb	DESIGNED - ARB	REVISD -
PLOT SCALE = 0:2.0000 '1' / in.	CHECKED - RW	REVISD -
PLOT DATE = 9/28/2018	DRAWN - ACB	REVISD -
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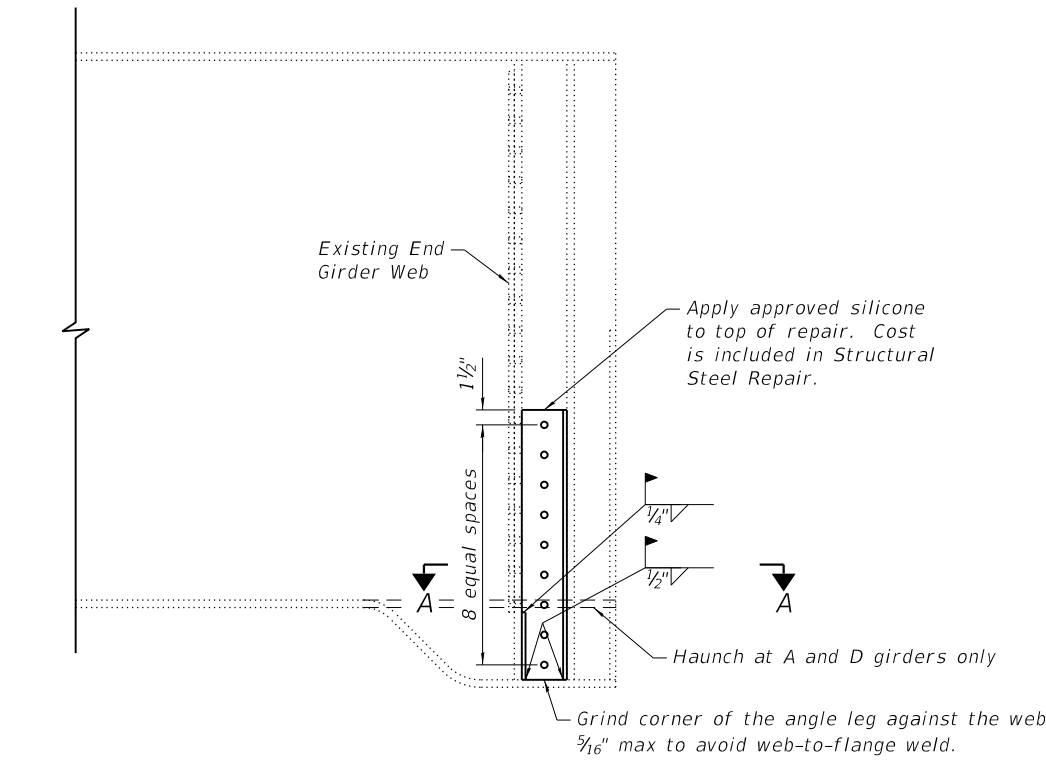
STATE OF ILLINOIS
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PREFORMED JOINT STRIP SEAL
S.N. 082-0005

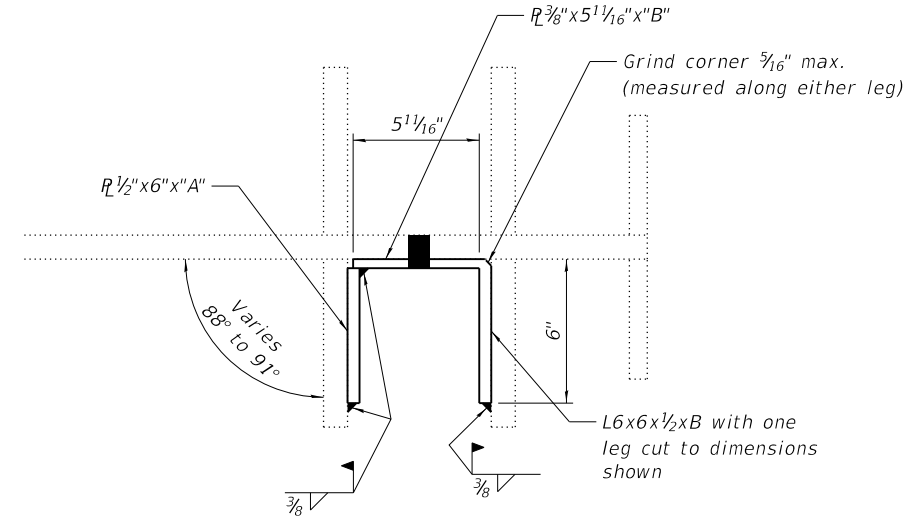
SHEET NO. 5 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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BEARING STIFFENER REPAIR AT PIER A-1, B-1, C-1, & D-1



SECTION A-A

RETROFIT DIMENSIONS

Girder	"A"	"B"
A1	9 1/8"	3'-0"
A7	9 1/8"	3'-0"
B1	10 1/2"	2'-6"
B5	10 1/2"	2'-6"
C1	10 1/2"	2'-6"
C5	10 1/2"	2'-6"
D1	8 3/4"	3'-0"
D5	8 3/4"	3'-0"

Note:
Tighten bolts before installing fillet welds.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	570

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
 Wss, Janney, Elstner Associates, Inc.
 330 Plingsten Road
 Northbrook, Illinois 60062
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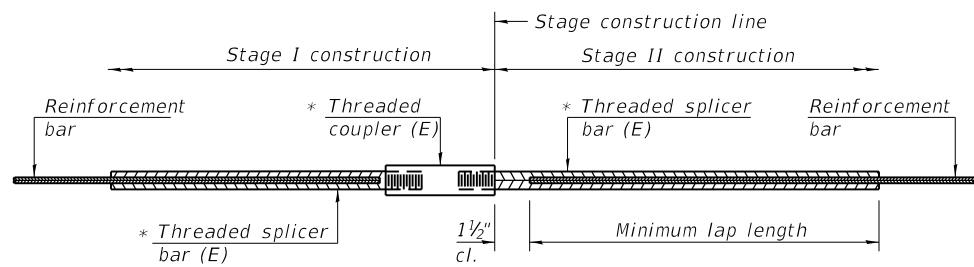
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PLOT DATE = 10/5/2018	DATE - 9/28/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING STIFFENER REPAIR DETAILS
S.N. 082-0005
 SHEET NO. 7 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	73
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ILLINOIS FED. AID PROJECT				

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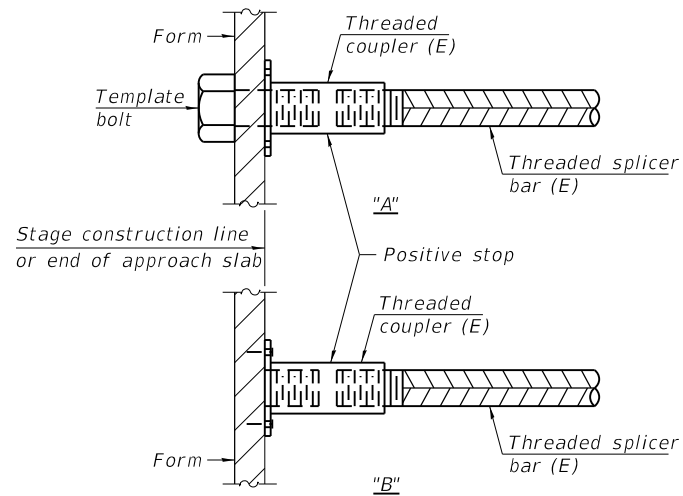


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

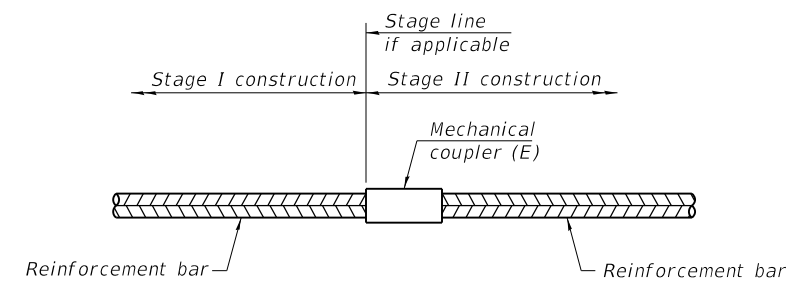
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Pier 5	#5	84	3'-6"



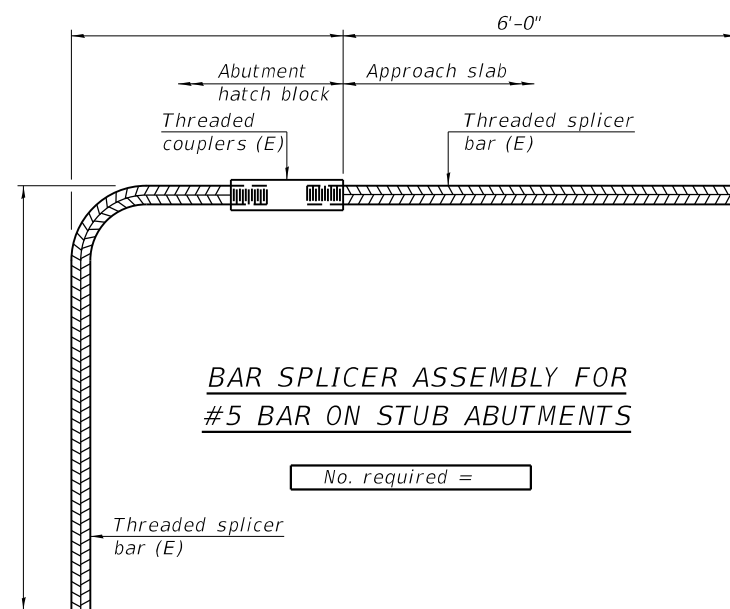
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.
 Bar splicer assemblies shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

BSD-1

2-17-2017

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
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 330 Pfingsten Road
 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax

USER NAME = acb	DESIGNED - ARB	REVISED -
CHECKED - RW	DRAWN - ACB	REVISED -
PLOT SCALE = 0.1667' / 1"	DATE - 9/28/2018	REVISED -
PLOT DATE = 9/28/2018		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 082-0005

SHEET NO. 8 OF 8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	74
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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. 082-0141 was originally built in 1968 as F.A.I. 70, Sections 82-3HVB1 & 82-3HVB3. 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 4,530' from Pier A1 to Abutment A46. The superstructure framing is arranged in single, three, and four span units between expansion joints, and is noncomposite with the deck except in the single span units.

Salvage: None

SCOPE OF WORK

1. Partial depth concrete deck repairs from Pier A1 to Pier A40
2. Installation of eight new continuous, strip seal joints and two new finger joints, including removal and replacement of deck and parapet concrete each side of joint.
3. Rehabilitation of five poured silicone joints.
4. Removal and replacement of drainage troughs below three existing finger joints.
5. Repair concrete pier caps and columns from Pier A1 through Pier A45.
6. Remove existing concrete slope wall at Abutment A46, including slope wall under SN 082-0144 (Roadway D). Prepare sub-base and install new rip rap.
7. Shore and remove existing bearing, Span A20 at south column of Pier A21. Install new Type I elastomeric bearing assembly.
8. Install new anchor bolts and fixture at south bearing of Pier A33 and south bearing of A31.
9. Repairs to seismic cables at Pier A11 and removal and replacement of fiber wrap at north column of Pier A12.
10. Bearing stiffener repairs at six locations.
11. Floor beam repair at Pier A29.
12. Girder beam repair in Span A41.
13. Crack repairs at four locations and bolt repairs at Span A38 splice.
14. Remove existing sign structure and concrete pedestal at Pier A37. Install new over head structure, signs, and concrete pedestal.

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

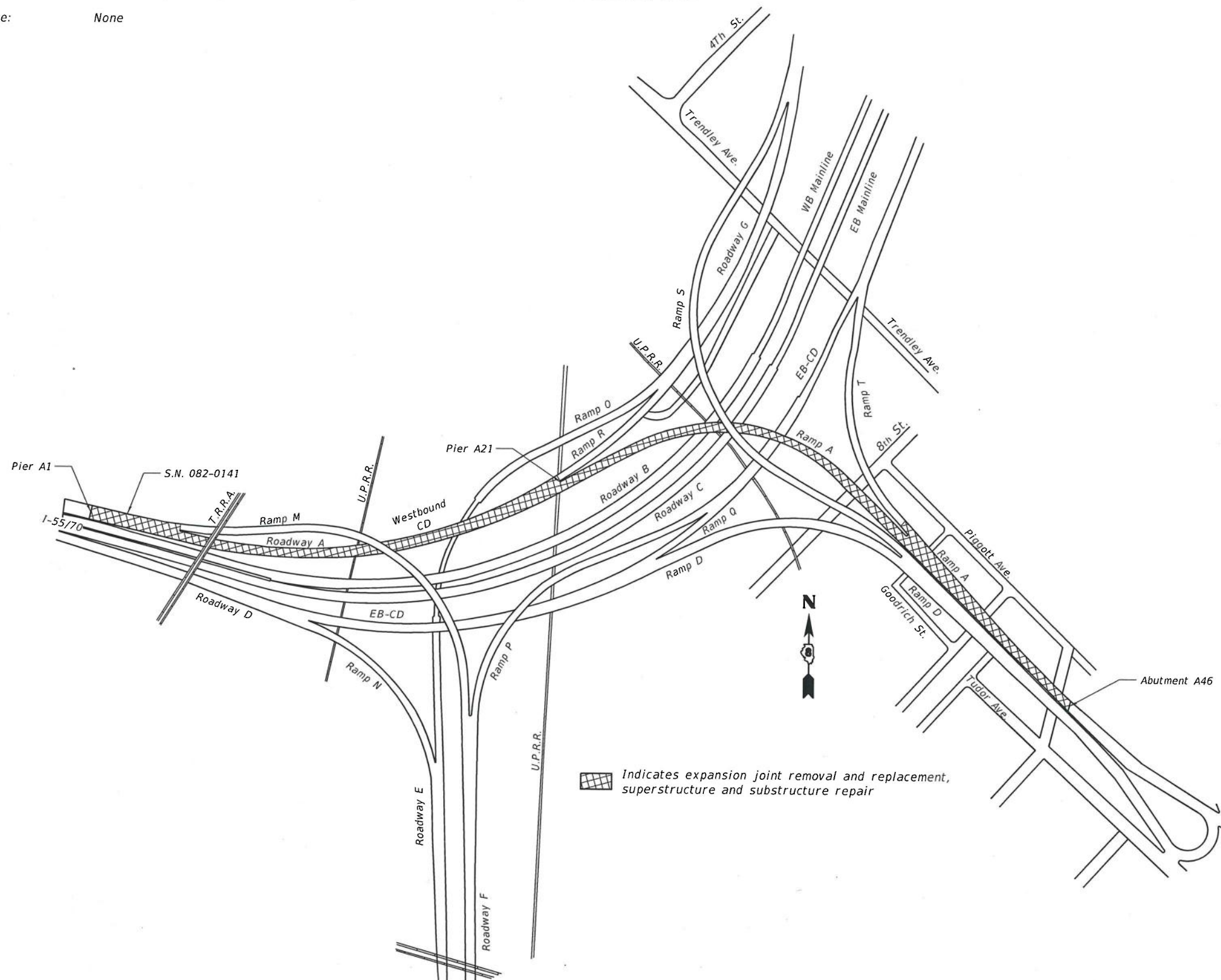
FIELD UNITS

NEW CONSTRUCTION

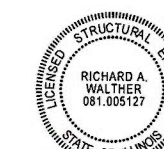
f'c = 4,000 psi
 fy = 60,000 psi (Reinforcement)
 fy = 36,000 psi (Structural Steel)

EXISTING CONSTRUCTION

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



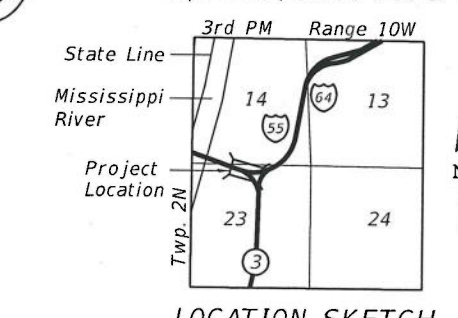
GENERAL PLAN



Signature: *Richard A. Walther*
 Date Signed: 9-28-18
 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 1-78 of 90



Signature: *Francis A. Smith*
 Date Signed: 9-28-18
 License Expires: 11/30/2018
 The seal shown above is valid for the following sheets in these plans which were prepared under my direct supervision; Sheets 79-90 of 90



LOCATION SKETCH

GENERAL PLAN
F.A.I. 70 (I-55/I-64) WB CD "A"
OVER RR, I-55/64, IL 3
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.53
STRUCTURE NO. 082-0141

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WJE ARCHITECTS MATERIAL SCIENTISTS Wisa, Janney, Elstner Associates, Inc. 330 Pfingston Road Northbrook, Illinois 60062 847.272.7400 tel 847.291.9595 fax	USER NAME = aob	DESIGNED - ACB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN S.N. 082-0141		F.A.I. RTE. 70	SECTION 82-3HVB-2R-(2,1)-I-2	COUNTY ST. CLAIR	TOTAL SHEETS 238	SHEET NO. 75
	PLOT SCALE = 0.1667" / 1"	CHECKED - RW	REVISED -		SHEET NO. 1 OF 90 SHEETS		CONTRACT NO. 76945				
	PLOT DATE = 9/28/2018	DRAWN - ACB	REVISED -		ILLINOIS FED. AID PROJECT						
		DATE - 09/28/2018	REVISED -								

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GENERAL NOTES

1. Dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to field verify such dimensions and details and make necessary approved adjustments prior to construction or ordering materials. Such variation shall not be cause for additional compensation for a change in the scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. All structural steel shall be AASHTO M-270 Grade 36, unless noted otherwise.
3. No field welding is permitted except as specified in the contract documents.
4. Fasteners shall be ASTM A325, Type 1, mechanically galvanized bolts. Bolts shall be 3/4 in. diameter and placed in 13/16 in. diameter holes unless noted otherwise.
5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
6. 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".
7. All new structural steel shall be shop painted with inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Structural Steel Repair or Furnishing and Erecting Structural Steel. All faying surfaces of bolted connections must meet the requirements for a class A surface as defined by AASHTO.
8. Reinforcing bars designated (E) shall be epoxy-coated. Damage to the epoxy coating during handling, placement, etc., shall be repaired according to the Special Provision "Field Coating Reinforcing Bars".
9. All accessories including bolsters, chairs, tie wire, etc., used to tie or support the epoxy-coated bars shall be epoxy coated.
10. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of false work, in addition to allowance for dead load deflection.
11. Design and construction of form work shall be the responsibility of the Contractor and shall be performed in accordance with ACI 347 and the Standard Specification.
12. Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when closure concrete is placed at an ambient temperature other than 50°F.
13. All post tensioning will conform to ASTM A416 Grade 270.

CONCRETE REPAIR NOTES

1. Concrete deck and substructure repair areas as shown in the drawings for SN 082-0141 are estimated based on inspection data from February, 2016 with deck repair areas updated in March, 2018.
2. 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.
3. For full depth deck repairs at joints, saw cut perimeter of repair area and remove concrete on each side of joint, as required for each joint location. 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 joint and stay-in-place metal pans shall be included in the cost of Concrete Removal.
4. The Contractor shall ensure the construction activities are in compliance with the Railroad General Notes shown on Sheet 2 of the Roadway Plans. In particular, all work at or near Pier A21 shall strictly comply with the Union Pacific Railroad General Notes listed on Sheet 3, including compliance with the approved rubble management plan, as prepared and submitted by the Contractor, for any full depth deck cuts and/or concrete removal that is within 25 feet (horizontal) from the track centerline. No removal or cuts can proceed until the rubble plan has been approved by Union Pacific Railroad.
5. Existing reinforcing bars shall be field-coated with epoxy, in accordance with the Special Provision "Field Coating Reinforcing Bars with Epoxy".
6. New concrete deck surfaces adjacent to expansion joints and at horizontal surface patches shall have a tined finish as per Article 420.09(e)(1) of the Standard Specifications. Cost included with Deck Slab Repair or Concrete Superstructure.
7. At locations where the roadway will be open to traffic within two weeks or less of concrete placement due to construction staging, an accelerating admixture from the IDOT Qualified Product List of Concrete Admixtures shall be used for concrete superstructure and deck slab repairs. Refer to the Roadway Plans and project schedule.
8. A quantity of 100 square feet of Structural Repair of Concrete (depth greater than 5 inches) is included in the total bill of materials to account for some repair areas shown on the plans extending deeper than 5 inches. This quantity applies to vertical repairs to substructure elements.
9. A quantity of 103 square yards of Deck Slab Repair (Full Depth - Type I) is included in the total bill of materials to account for some repair areas shown on the plans extending through the full deck depth. Actual depth of repairs to be verified by the Engineer.
10. Use of shotcrete is not permitted.

INDEX OF SHEETS

- 1 General Plan
- 2 General Data
- 3 General Plan and Elevation (Spans A1 thru A7)
- 4 General Plan and Elevation (Spans A8 thru A14)
- 5 General Plan and Elevation (Spans A15 thru A20)
- 6 General Plan and Elevation (Spans A21 thru A24)
- 7 General Plan and Elevation (Spans A25 thru A28)
- 8 General Plan and Elevation (Spans A29 thru A34)
- 9 General Plan and Elevation (Spans A35 thru A40)
- 10 General Plan and Elevation (Spans A41 thru A45)
- 11 Deck Patching Repairs (Spans A1 thru A4)
- 12 Deck Patching Repairs (Spans A5 thru A9)
- 13 Deck Patching Repairs (Spans A10 thru A13)
- 14 Deck Patching Repairs (Spans A14 thru A17)
- 15 Deck Patching Repairs (Spans A118 thru A21)
- 16 Deck Patching Repairs (Spans A22 thru A25)
- 17 Deck Patching Repairs (Spans A26 & A27)
- 18 Deck Patching Repairs (Spans A28 thru A31)
- 19 Deck Patching Repairs (Spans A32 thru A35)
- 20 Deck Patching Repairs (Spans A36 thru A39)
- 21 Deck Patching Repairs (Spans A40 thru A43)
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- 75 Concrete Repair Details
- 76 Cable Tensioned Strands and Crack Arrest Hole Details
- 77 Shim Stack Retainer Details
- 78 Bar Splicer Assembly and Mechanical Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.	0	474	474
Concrete Removal	Cu. Yd.	124.0	7.0	131.0
Slope Wall Removal	Sq. Yd.	0	474	474
Protective Shield	Sq. Yd.	815	0	815
Concrete Superstructure	Cu. Yd.	123.3	0	123.3
Reinforcement Bars, Epoxy Coated	Pound	20,000	0	20,000
Bar Splicers	Each	44	0	44
Preformed Joint Strip Seal	Foot	374	0	374
Finger Plate Expansion Joint, 3"	Foot	53	0	53
Finger Plate Expansion Joint, 4"	Foot	33	0	33
Fabric Reinforced Elastomeric Trough	Foot	226	0	226
Elastomeric Bearing Assembly, Type I	Each	0	3	3
Epoxy Crack Injection	Foot	0	146	146
Anchor Bolts, 1"	Each	4	0	4
Bolt Replacement	Each	5	0	5
Galvanic Anode	Each	0	2992	2992
Fiber Wrap	Sq. Ft.	0	120	120
Column Tensioned Strands	Each	0	75	75
Jack and Remove Existing Bearings	Each	0	3	3
Structural Steel Repair	Pound	5580	0	5580
Structural Repair of Concrete (depth equal to or less than 5 inches)	Sq. Ft.	0	3010	3010
Structural Repair of Concrete (depth greater than 5 inches)	Sq. Ft.	0	100	100
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	103	0	103
Deck Slab Repair (Partial)	Sq. Yd.	1601	0	1601
Silicone Joint Sealer, 2"	Foot	175	0	175
Silicone Joint Sealer, 2.5"	Foot	38	0	38
Silicone Joint Sealer, 3"	Foot	37	0	37
Polymer Concrete	Cu. Ft.	18	0	18
Relocating Name Plates	Each	1	0	1
Crack Arrest Holes	Each	4	0	4
Temporary Shoring and Cribbing	Each	0	2	2

See Sheet 79 of 90 for the Total Bill of Material for all work relating to sign trusses.

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- 79 Overhead Sign Structures - General Plan & Elevation - Aluminum Truss & Steel Supports
- 80 Overhead Sign Structures - Aluminum Truss Details for Truss Types I-A, II-A and III-A
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- 89 Special Sign Details
- 90 Location of Signs on Overhead Truss

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS
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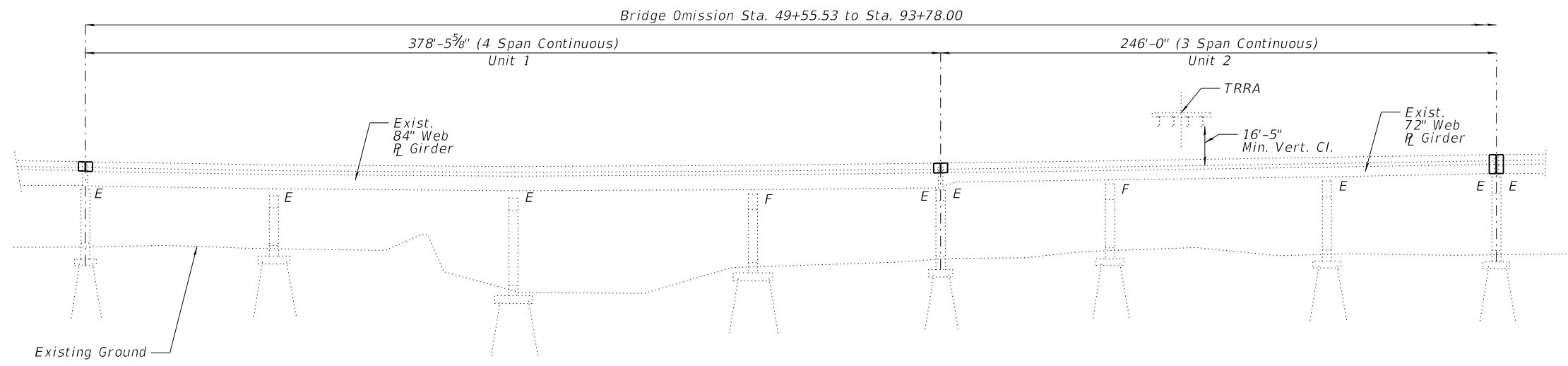
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DEPARTMENT OF TRANSPORTATION**

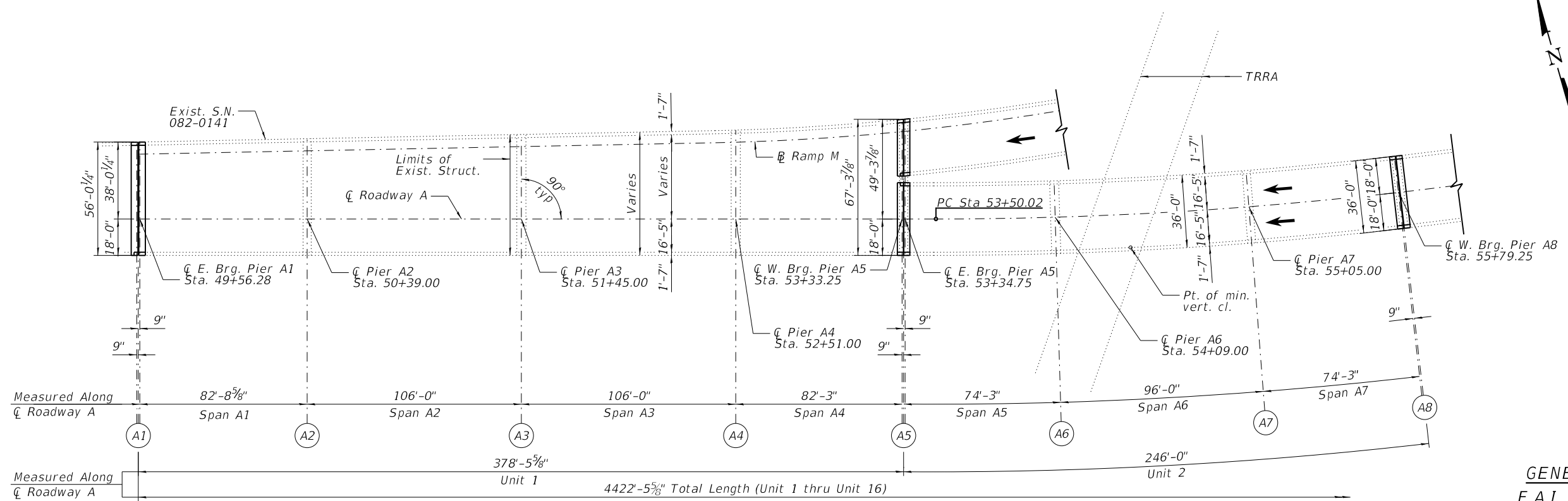
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S.N. 082-0141**

SHEET NO. 2 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	76
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN (SPANS A1 - A7)

GENERAL PLAN & ELEVATION
 F.A.I. 70 (I-55/I-64) WB CD "A"
 OVER RR, I-55/64, IL 3
 SEC. 82-3HVB-2R-(2,1)-I-2
 ST. CLAIR COUNTY
 STATION 49+55.53
 STRUCTURE NO. 082-0141

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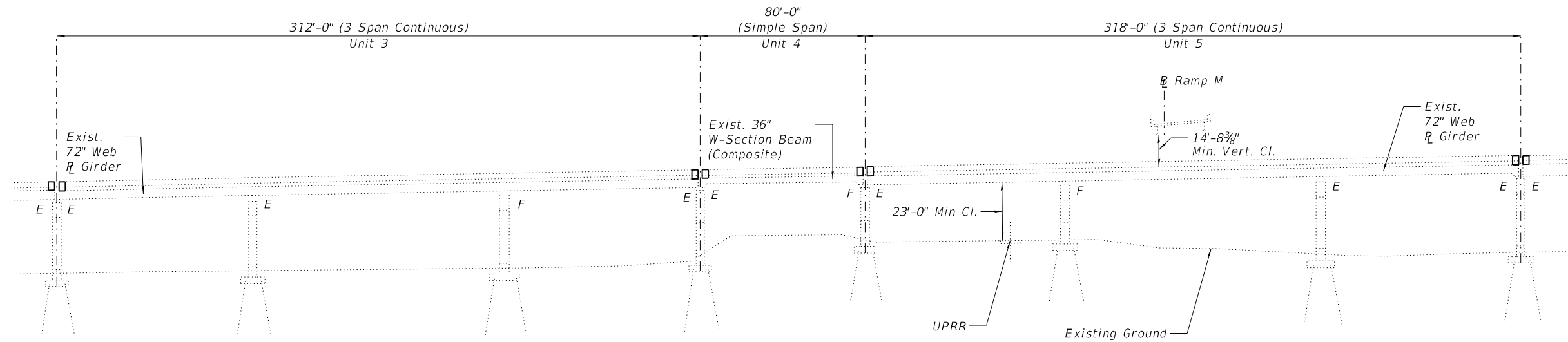
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	DATE - 09/28/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

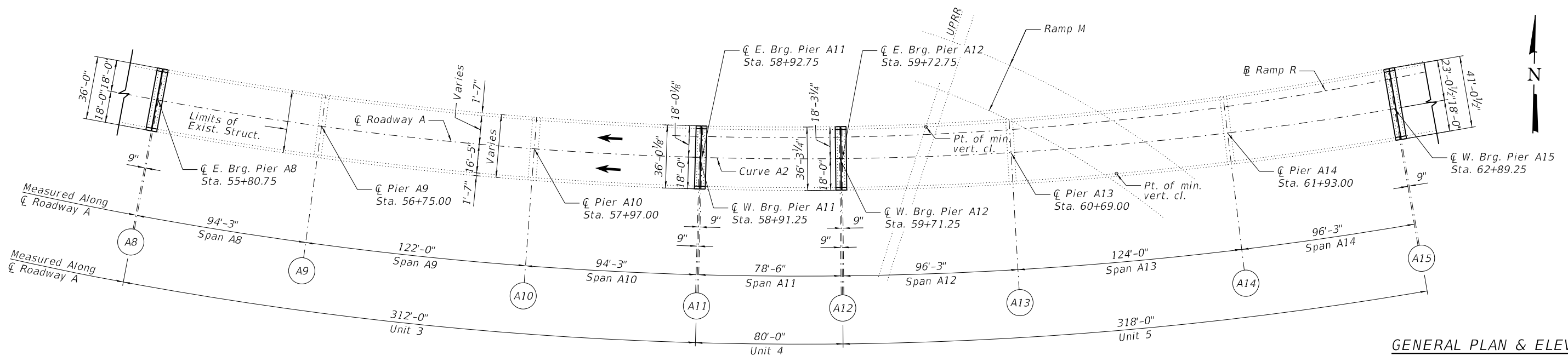
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 SPANS A1 THRU A7**
 SHEET NO. 3 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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ELEVATION



PLAN (SPANS A8 - A14)

GENERAL PLAN & ELEVATION
 F.A.I. 70 (I-55/I-64) WB CD "A"
 OVER RR, I-55/64, IL 3
 SEC. 82-3HVB-2R-(2,1)-I-2
 ST. CLAIR COUNTY
 STATION 49+55.53
 STRUCTURE NO. 082-0141

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 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax

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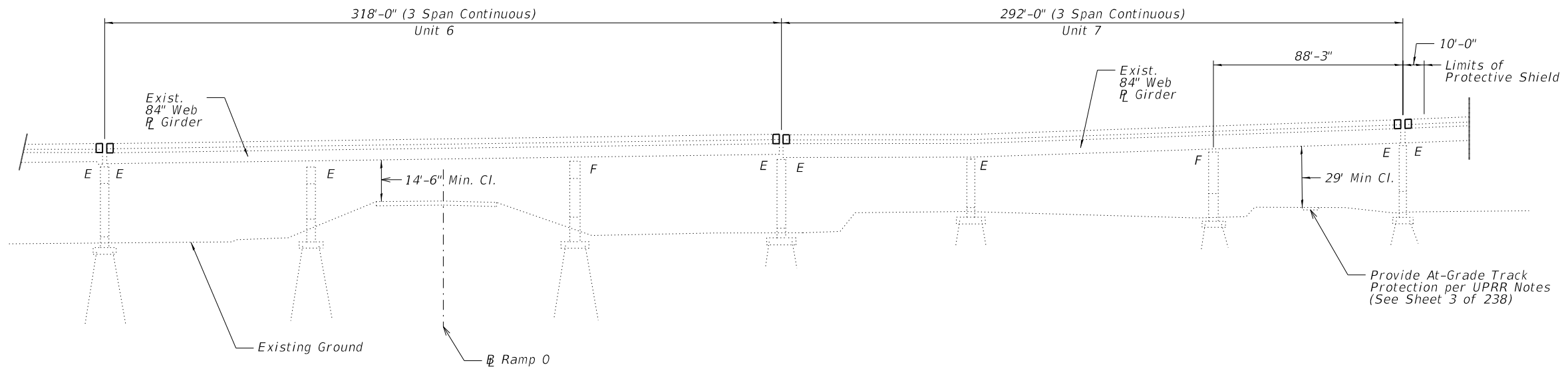
STATE OF ILLINOIS
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GENERAL PLAN & ELEVATION
 SPANS A8 THRU A14

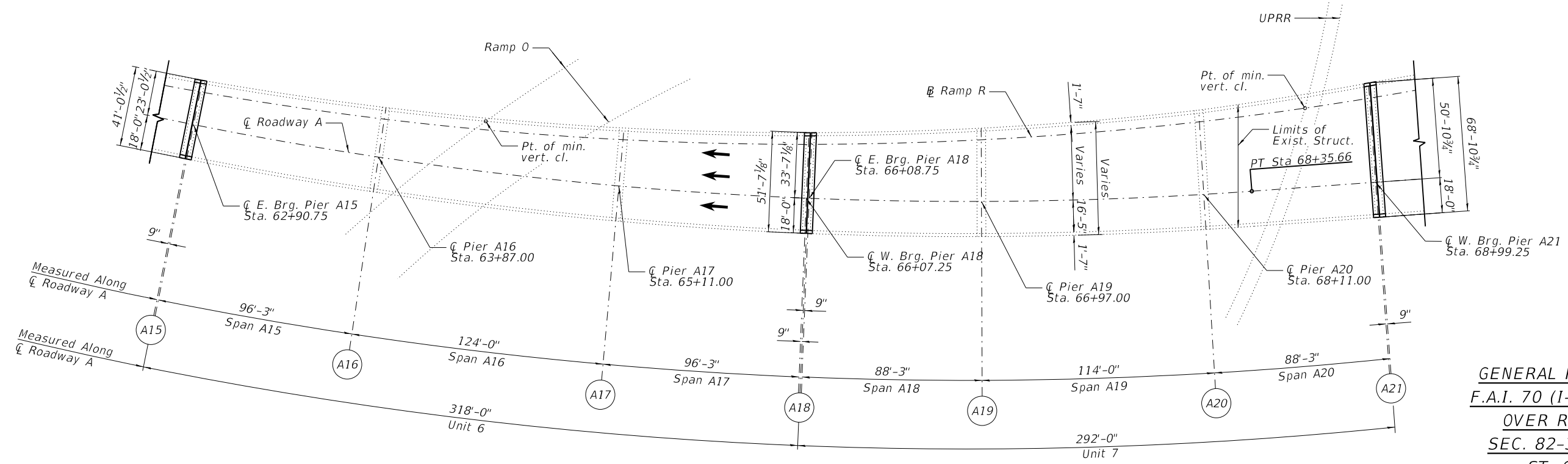
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ILLINOIS FED. AID PROJECT				

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ELEVATION

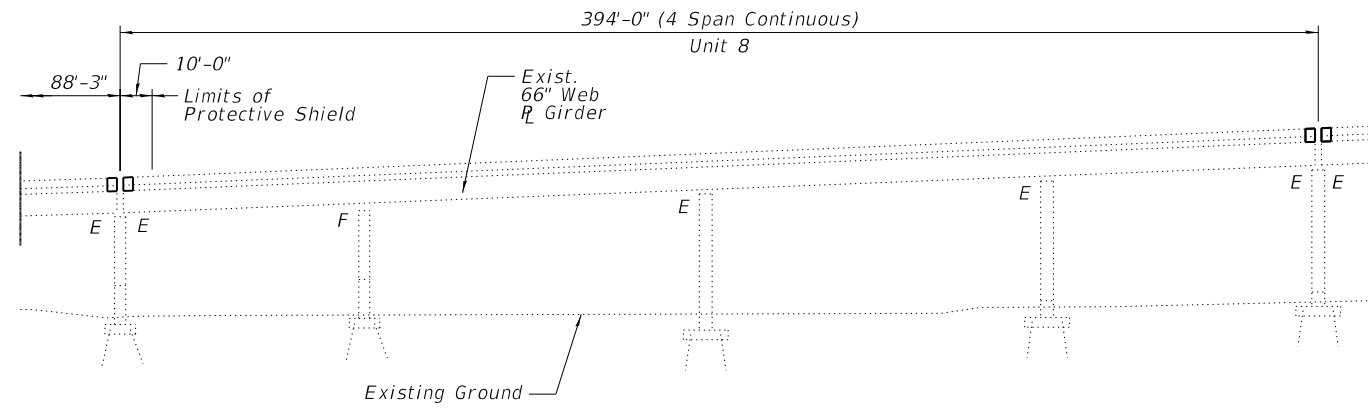


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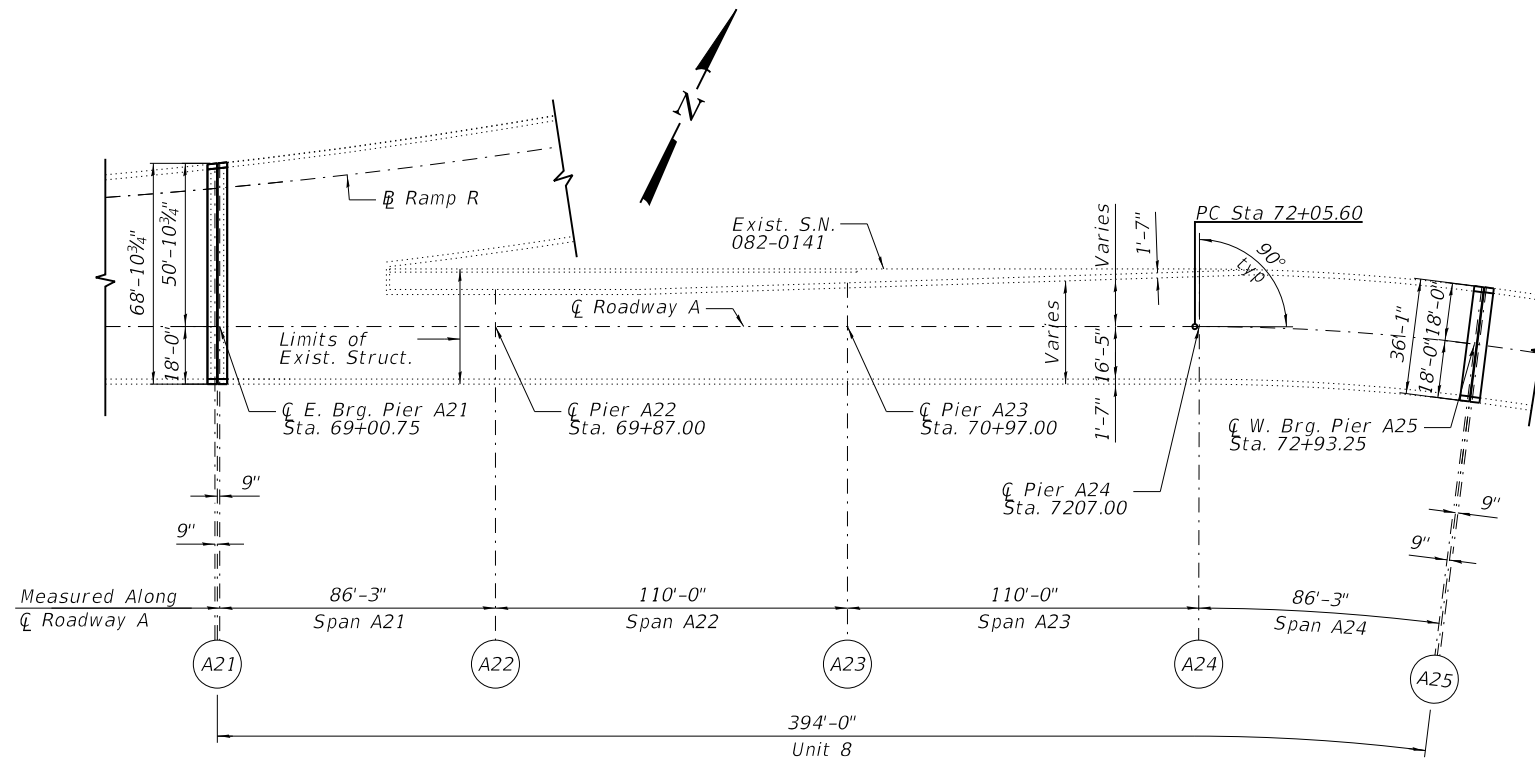
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 F.A.I. 70 (I-55/I-64) WB CD "A"
 OVER RR, I-55/64, IL 3
 SEC. 82-3HVB-2R-(2,1)-1-2
 ST. CLAIR COUNTY
 STATION 49+55.53
 STRUCTURE NO. 082-0141

WJE ENGINEERS ARCHITECTS MATERIAL SCIENTISTS Wesa, Janney, Elstner Associates, Inc. 330 Pfingsten Road Northbrook, Illinois 60062 847.272.7400 tel 847.291.9595 fax www.wje.com	USER NAME = acb	DESIGNED - ACB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION SPANS A15 THRU A20 SHEET NO. 5 OF 90 SHEETS	F.A.I. RTE. = 70	SECTION = 82-3HVB-2R-(2,1)-1-2	COUNTY = ST. CLAIR	TOTAL SHEETS = 238	SHEET NO. = 79
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ELEVATION



PLAN (SPANS A21 - A24)

GENERAL PLAN & ELEVATION
F.A.I. 70 (I-55/I-64) WB CD "A"
OVER RR, I-55/64, IL 3
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.53
STRUCTURE NO. 082-0141

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USER NAME = acb	DESIGNED - ACB	REVISED -
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PLOT DATE = 10/1/2018	DATE - 09/28/2018	REVISED -

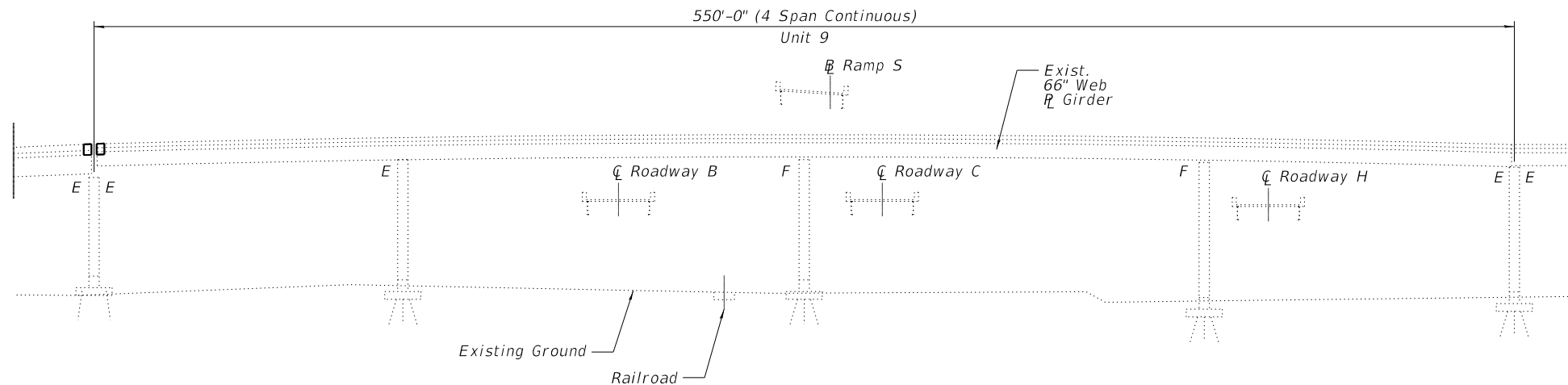
STATE OF ILLINOIS
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GENERAL PLAN & ELEVATION
SPANS A21 THRU A24

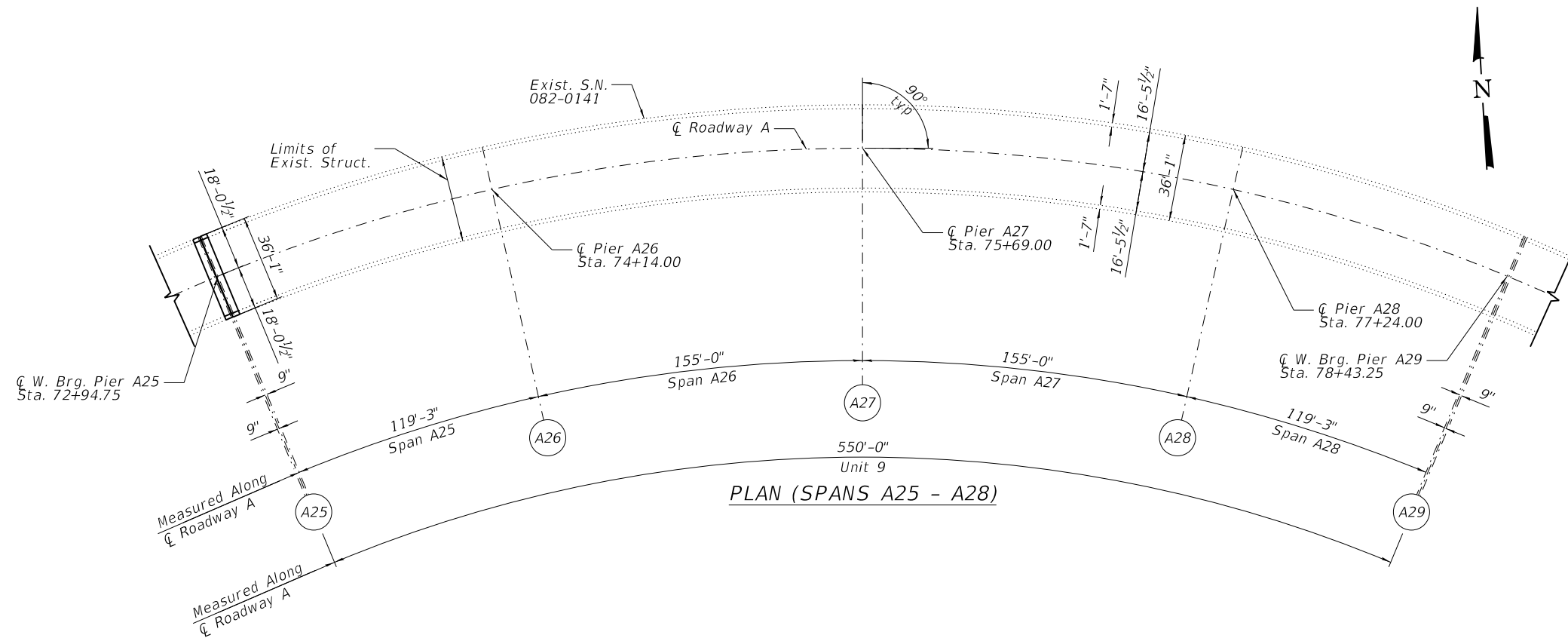
SHEET NO. 6 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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ELEVATION



PLAN (SPANS A25 - A28)

GENERAL PLAN & ELEVATION
 F.A.I. 70 (I-55/I-64) WB CD "A"
 OVER RR, I-55/64, IL 3
 SEC. 82-3HVB-2R-(2,1)-I-2
 ST. CLAIR COUNTY
 STATION 49+55.53
 STRUCTURE NO. 082-0141

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

USER NAME = acb	DESIGNED - ACB	REVISED -
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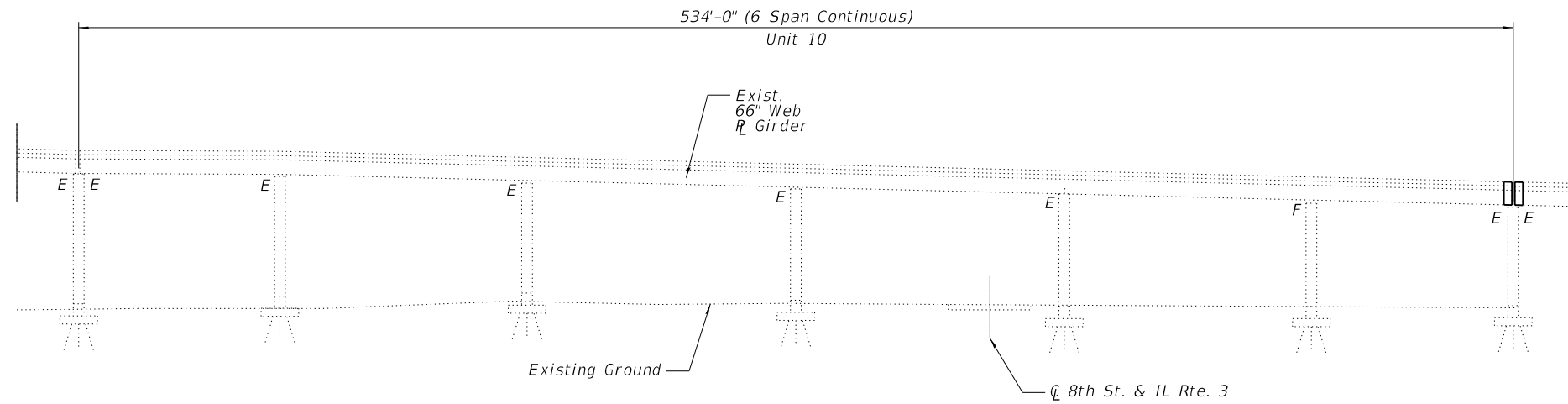
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
 SPANS A25 THRU A28

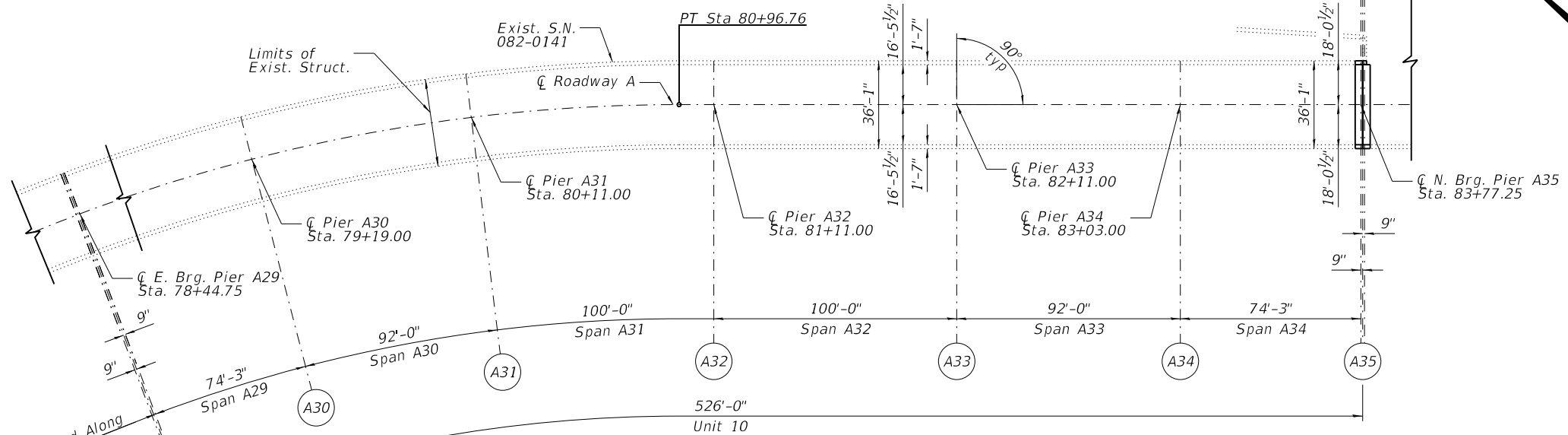
SHEET NO. 7 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-I-2	ST. CLAIR	238	81
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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ELEVATION



PLAN (SPANS A29 - A34)

GENERAL PLAN & ELEVATION
F.A.I. 70 (I-55/I-64) WB CD "A"
OVER RR, I-55/64, IL 3
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.53
STRUCTURE NO. 082-0141

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

USER NAME = acb	DESIGNED - ACB	REVISED -
PLOT SCALE = 0.1667' / 1" =	CHECKED - RW	REVISED -
PLOT DATE = 9/28/2018	DRAWN - ACB	REVISED -
	DATE - 09/28/2018	REVISED -

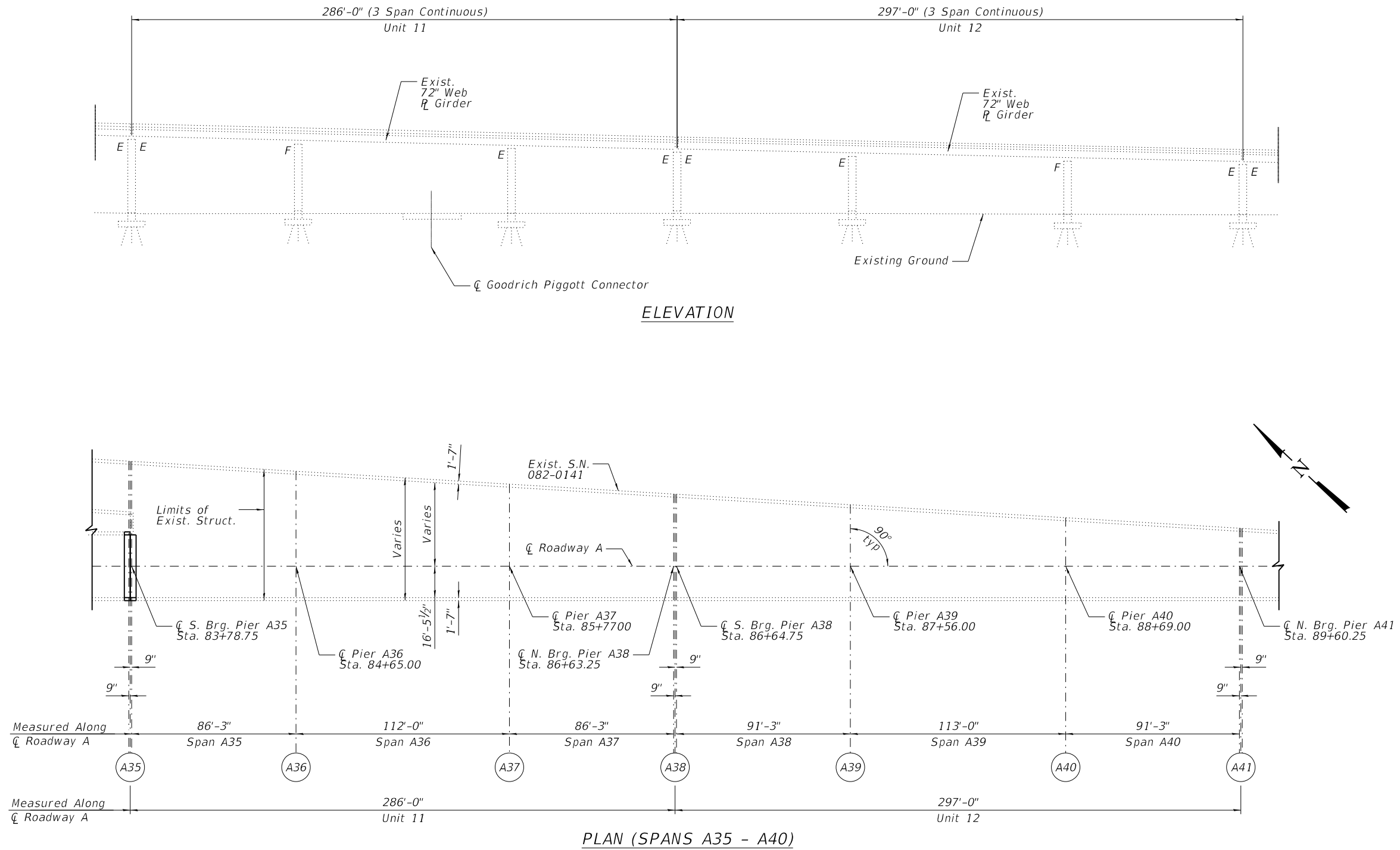
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
SPANS A29 THRU A34

SHEET NO. 8 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-I-2	ST. CLAIR	238	82
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

PRINT DATE: 9/28/2018 11:18:10 AM Z:\5052 Poplar Street Complex\DCN\Bridg\Final\Plotsheets\Roadway A\009_Rawy_A_Plan_Elev1.dgn



GENERAL PLAN & ELEVATION
F.A.I. 70 (I-55/I-64) WB CD "A"
OVER RR, I-55/64, IL 3
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.53
STRUCTURE NO. 082-0141

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

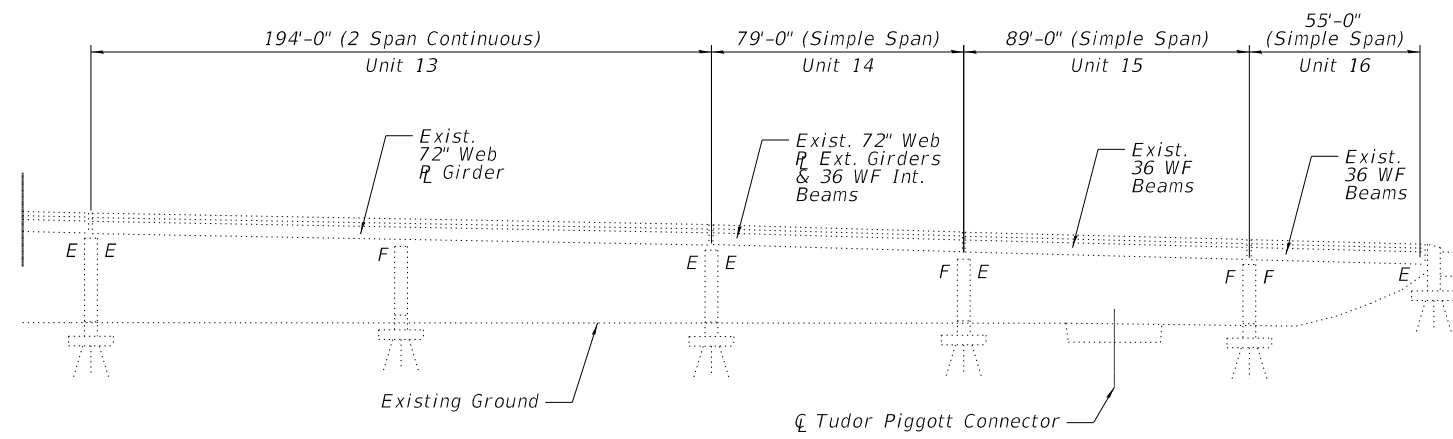
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STATE OF ILLINOIS
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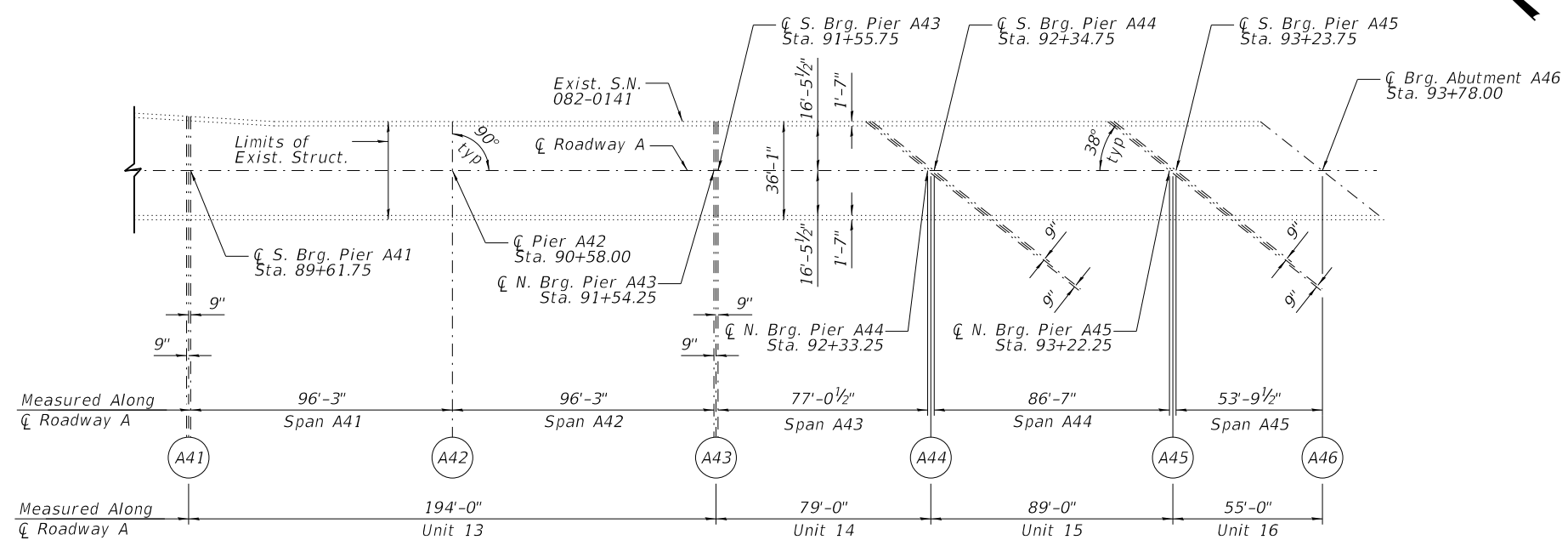
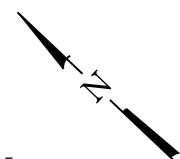
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SPANS A35 THRU A40
 SHEET NO. 9 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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ELEVATION



PLAN (SPANS A41 - A45)

GENERAL PLAN & ELEVATION
F.A.I. 70 (I-55/I-64) WB CD "A"
OVER RR, I-55/64, IL 3
SEC. 82-3HVB-2R-(2,1)-I-2
ST. CLAIR COUNTY
STATION 49+55.53
STRUCTURE NO. 082-0141

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

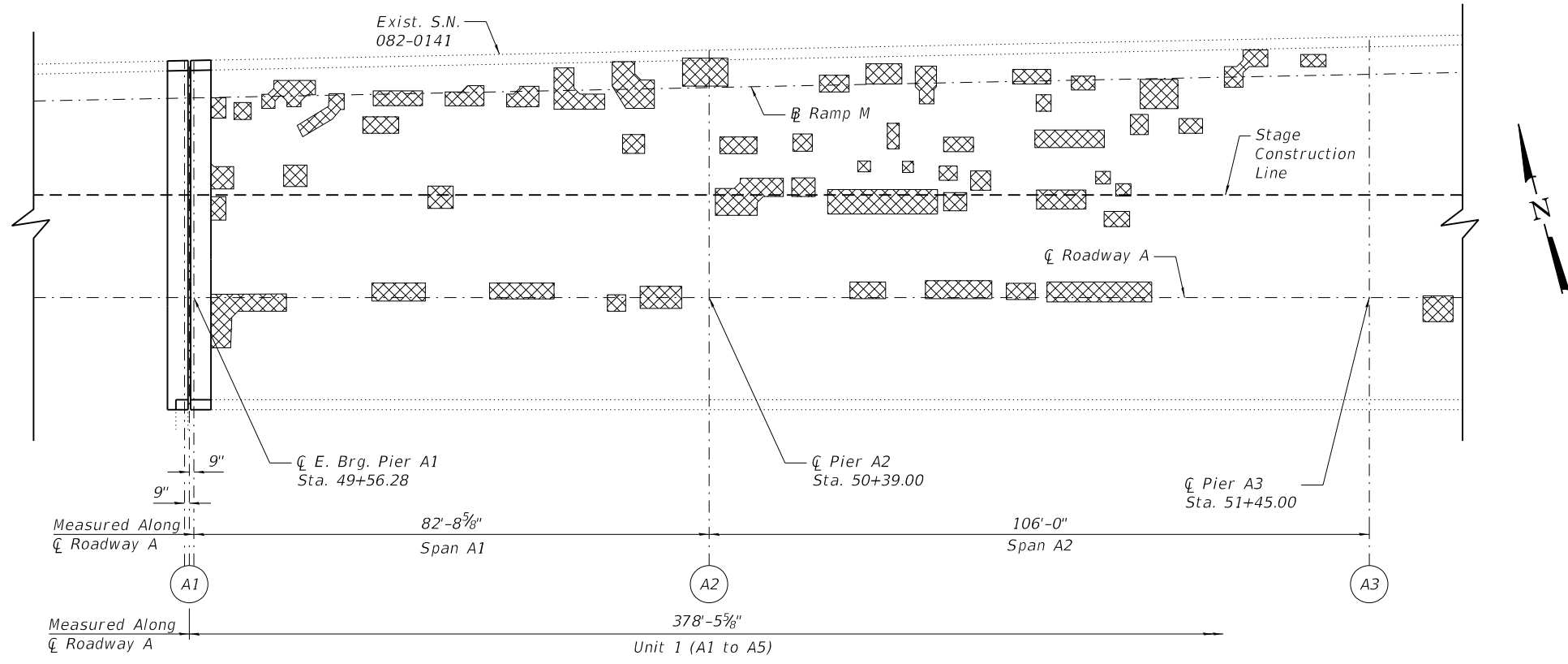
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STATE OF ILLINOIS
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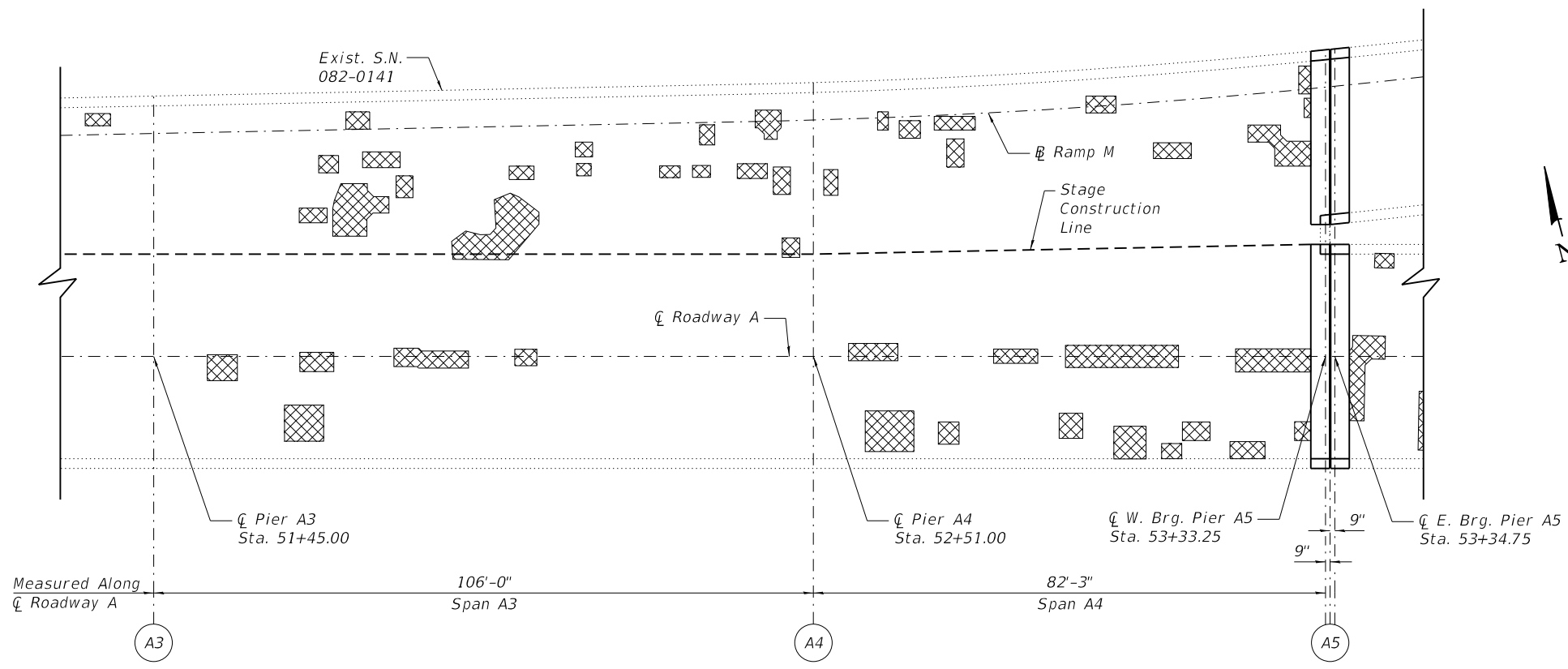
GENERAL PLAN & ELEVATION
SPANS A41 THRU A45
 SHEET NO. 10 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-I-2	ST. CLAIR	238	84
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPANS A1 & A2)



PLAN (SPANS A3 & A4)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A1	46	3	49
A2	65	4	69
A3	47	3	50
A4	50	3	53

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 and 24 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A1 see Sheet 25 and 26 of 90 and at Pier A5 see Sheet 27 and 28 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	13
Deck Slab Repair (Partial)	Sq Yd	208

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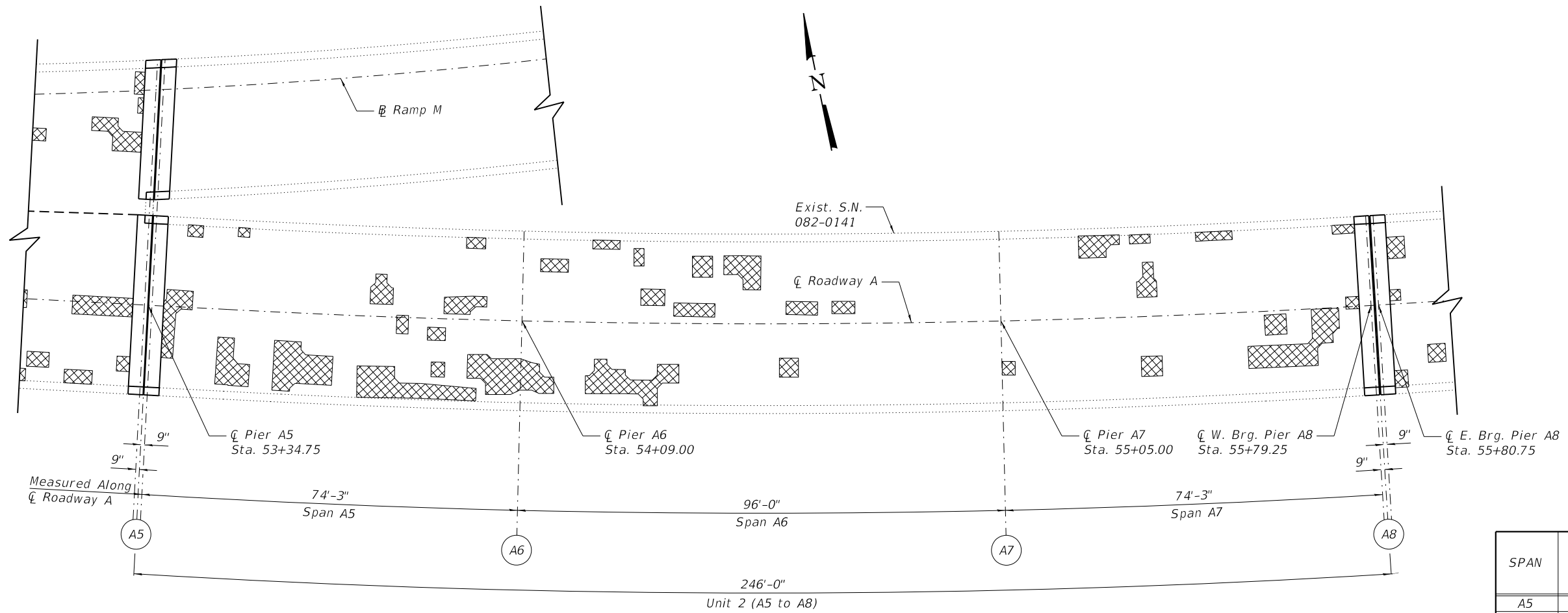
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PATCHING REPAIRS (SPANS A1 THRU A4)
S.N. 082-0141
 SHEET NO. 11 OF 90 SHEETS

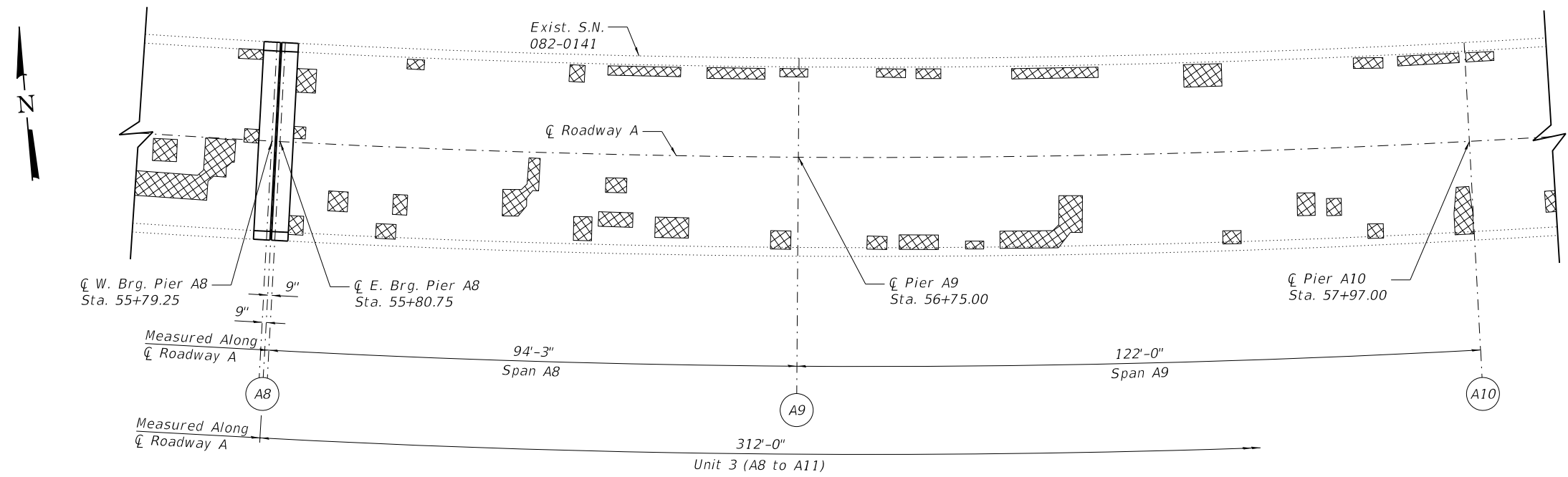
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	85
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPANS A5 THRU A7)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A5	50	3	53
A6	33	2	35
A7	26	2	28
A8	26	2	28
A9	30	2	32



PLAN (SPANS A8 & A9)

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 and 24 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A5 see Sheet 27 and 28 of 90 and at Pier A8 see Sheet 29 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	11
Deck Slab Repair (Partial)	Sq Yd	165

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USER NAME = acb	DESIGNED - SGM	REVISED -
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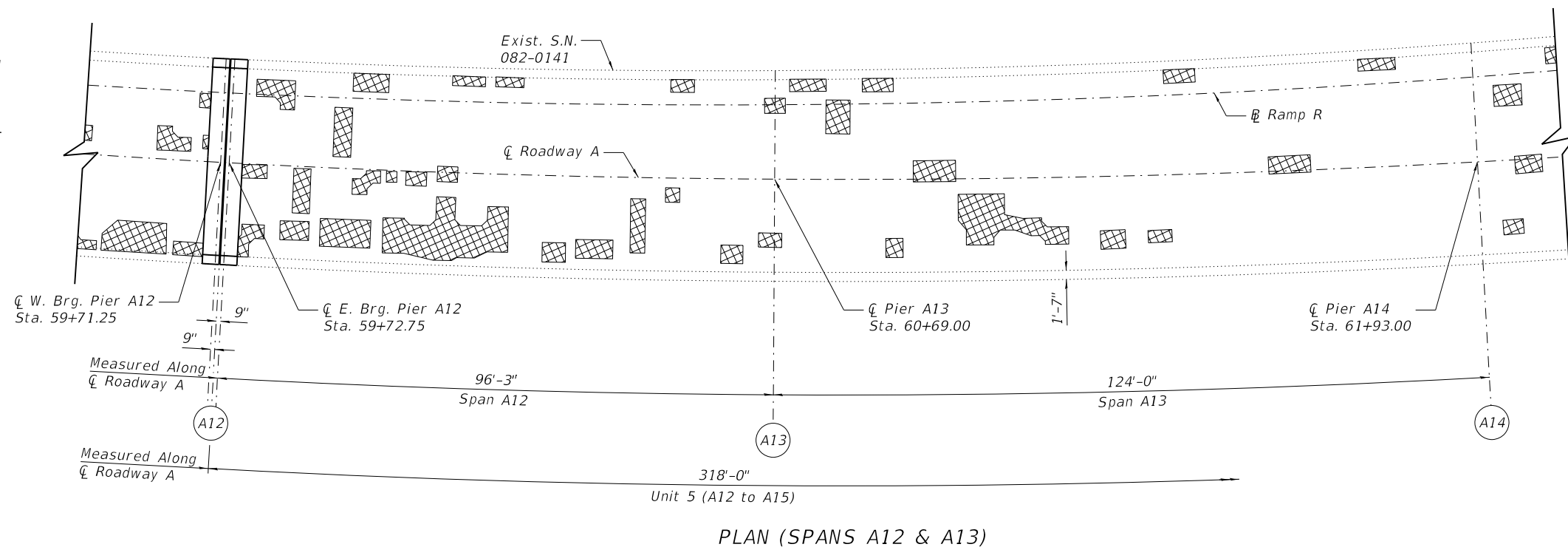
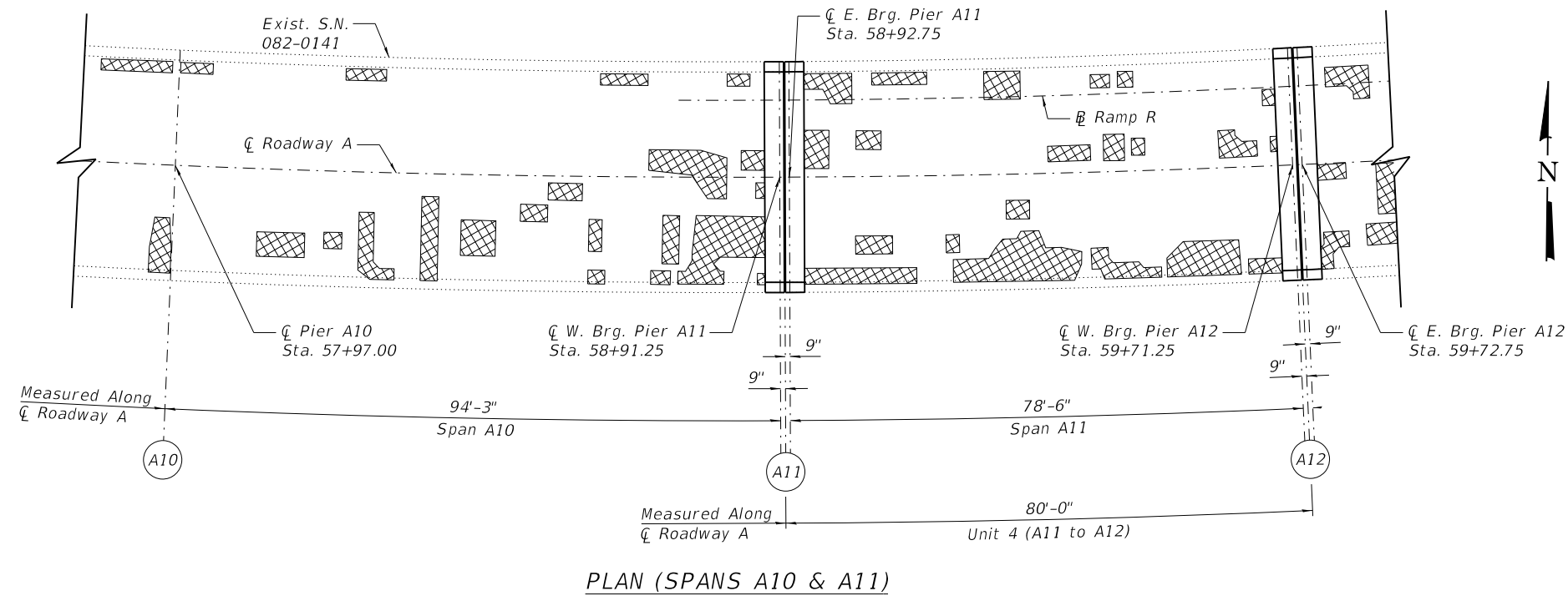
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK PATCHING REPAIRS (SPANS A5 THRU A9)
 S.N. 082-0141**

SHEET NO. 12 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	86
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A10	46	3	49
A11	51	3	54
A12	54	3	57
A13	30	2	32

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A11 see Sheet 30 of 90 and at Pier A12 see Sheet 31 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	11
Deck Slab Repair (Partial)	Sq Yd	181

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 Northbrook, Illinois 60062
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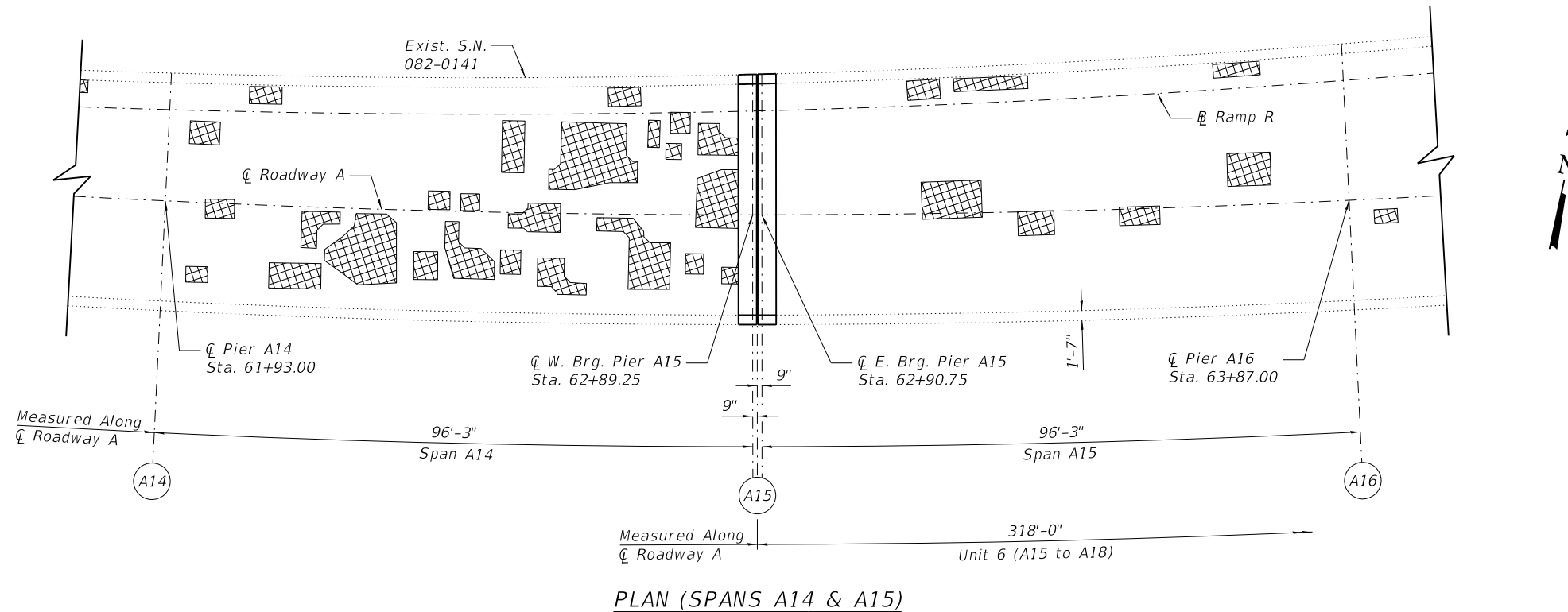
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STATE OF ILLINOIS
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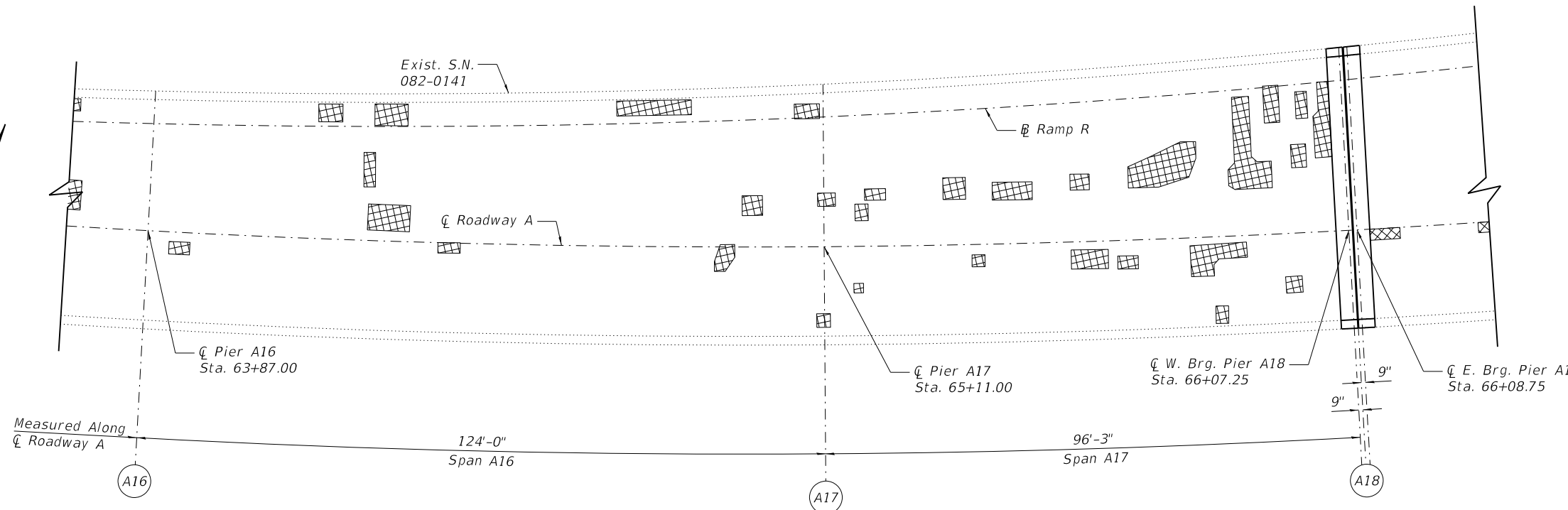
DECK PATCHING REPAIRS (SPANS A10 THRU A13)
S.N. 082-0141
 SHEET NO. 13 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	87
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPANS A14 & A15)



PLAN (SPANS A16 & A17)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A14	85	5	90
A15	23	2	25
A16	21	2	23
A17	45	3	48

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A15 see Sheet 32 of 90 and at Pier A18 see Sheet 33 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	12
Deck Slab Repair (Partial)	Sq Yd	174

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 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax

USER NAME = acb	DESIGNED - SGM	REVISED -
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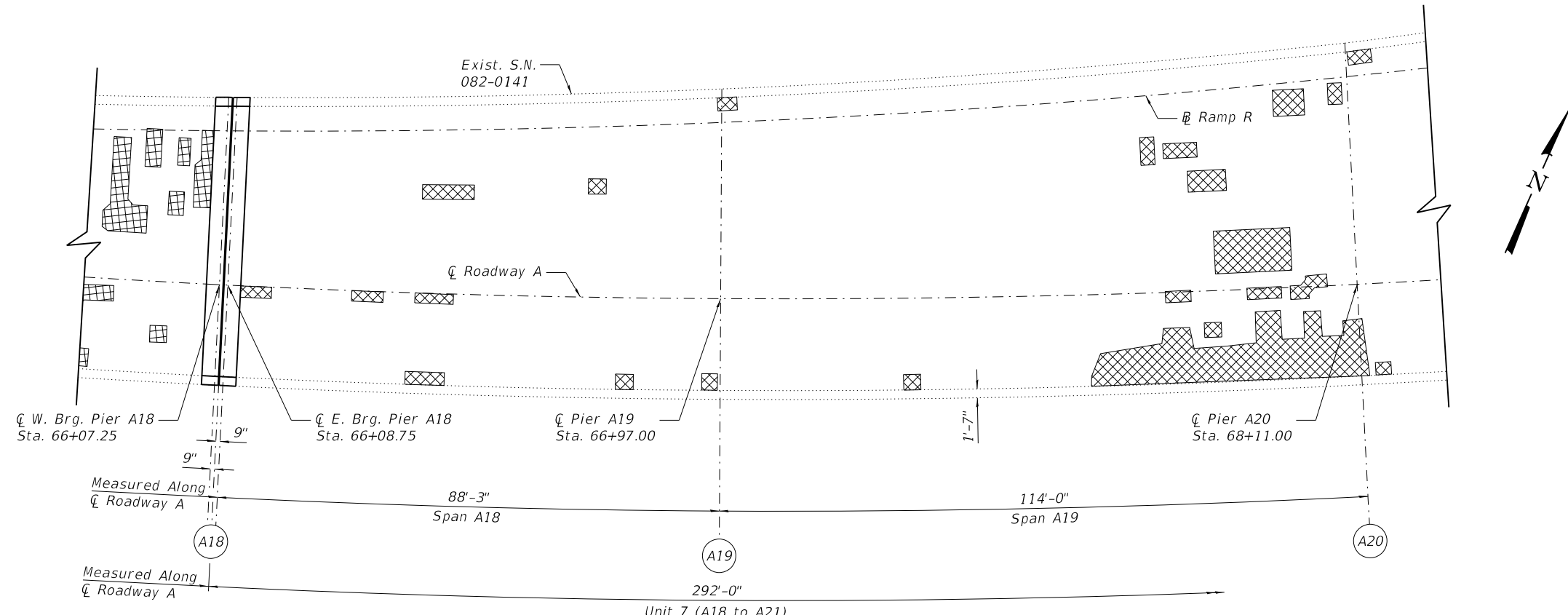
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PATCHING REPAIRS (SPANS A14 THRU A17)
S.N. 082-0141

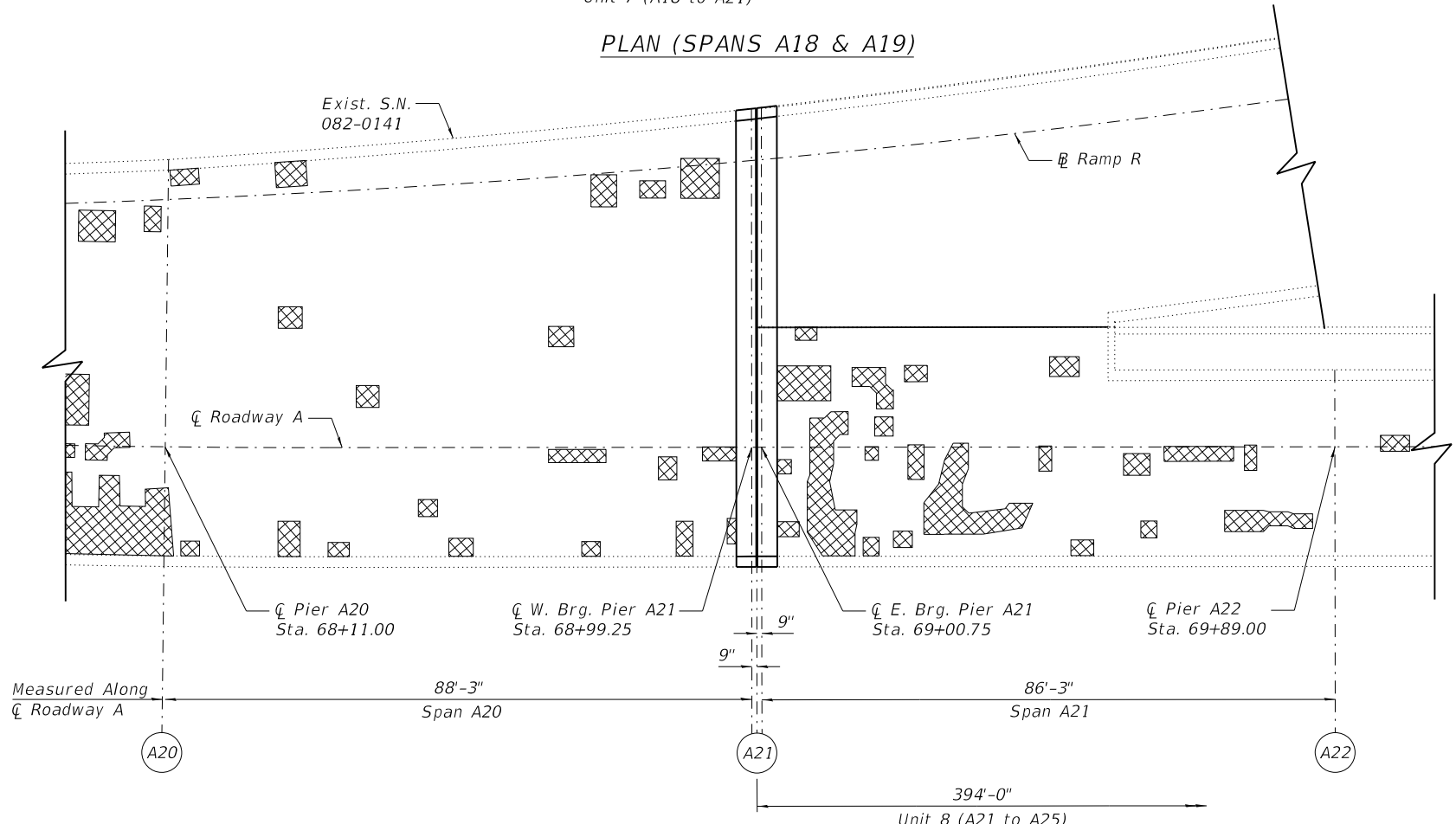
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
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PLAN (SPANS A18 & A19)



PLAN (SPANS A20 & A21)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A18	12	1	13
A19	74	4	78
A20	28	2	30
A21	52	3	55

☒ Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A18 see Sheet 33 of 90 and at Pier A21 see Sheet 34 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	10
Deck Slab Repair (Partial)	Sq Yd	166

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 Northbrook, Illinois 60062
 847.272.7400 tel | 847.291.9595 fax

USER NAME = acb	DESIGNED - SGM	REVISED -
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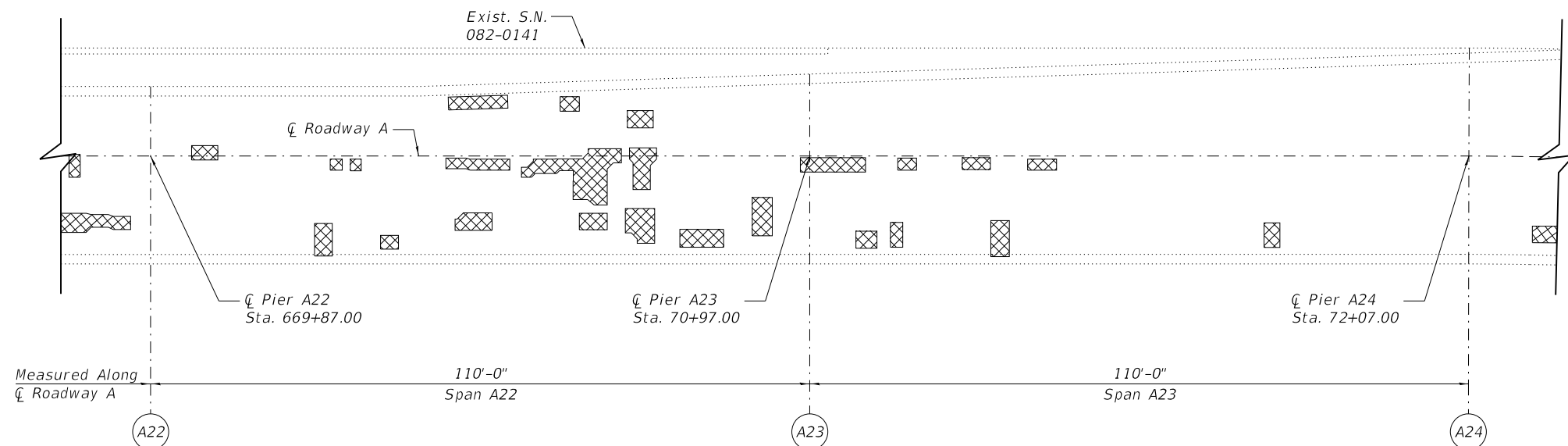
STATE OF ILLINOIS
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DECK PATCHING REPAIRS (SPANS A18 THRU A21)
 S.N. 082-0141

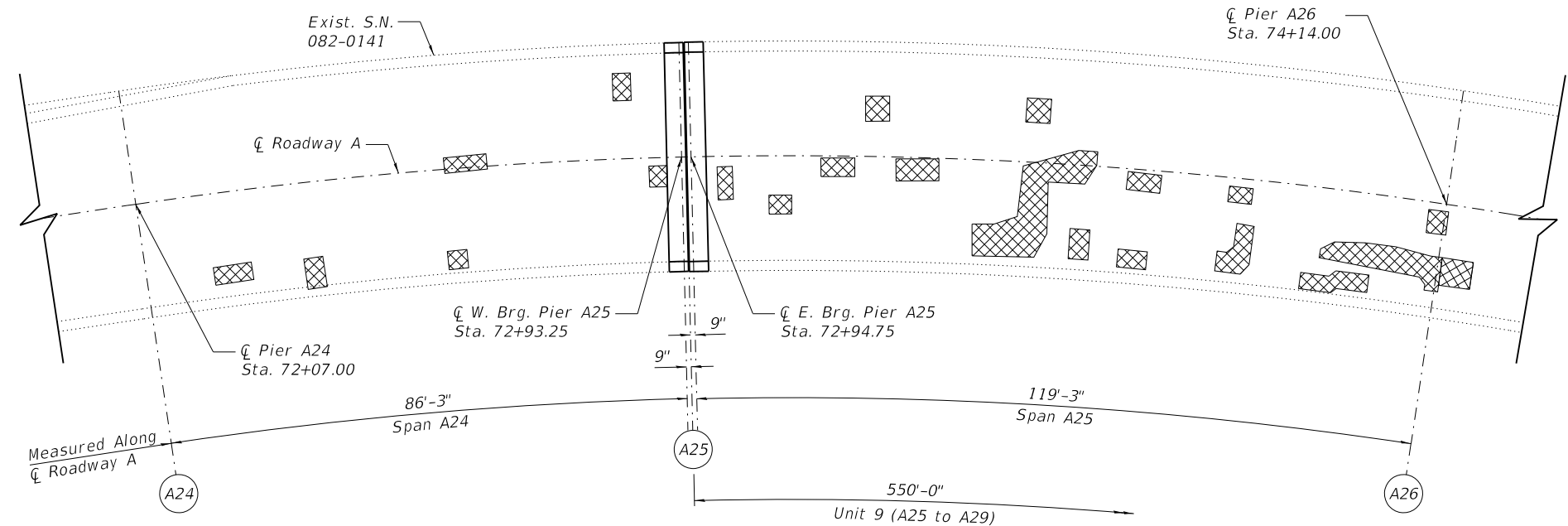
SHEET NO. 15 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
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PLAN (SPANS A22 & A23)



PLANS (SPAN A24 & A25)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A22	35	2	37
A23	11	1	12
A24	10	1	11
A25	49	3	52

☐ Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 of 90.
 For details of replacement of concrete and new joint at Pier A25, see Sheet 35 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	7
Deck Slab Repair (Partial)	Sq Yd	105

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 330 Plingsten Road
 Northbrook, Illinois 60062
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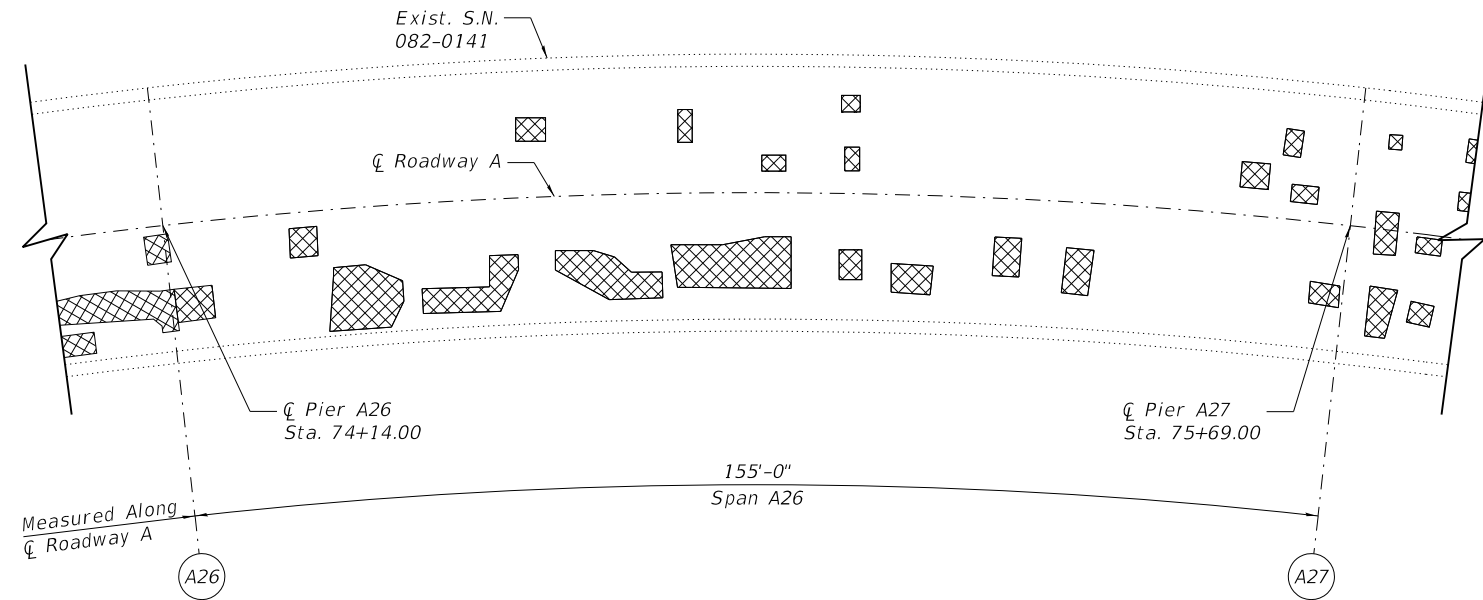
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK PATCHING REPAIRS (SPANS A22 THRU A25)
 S.N. 082-0141**

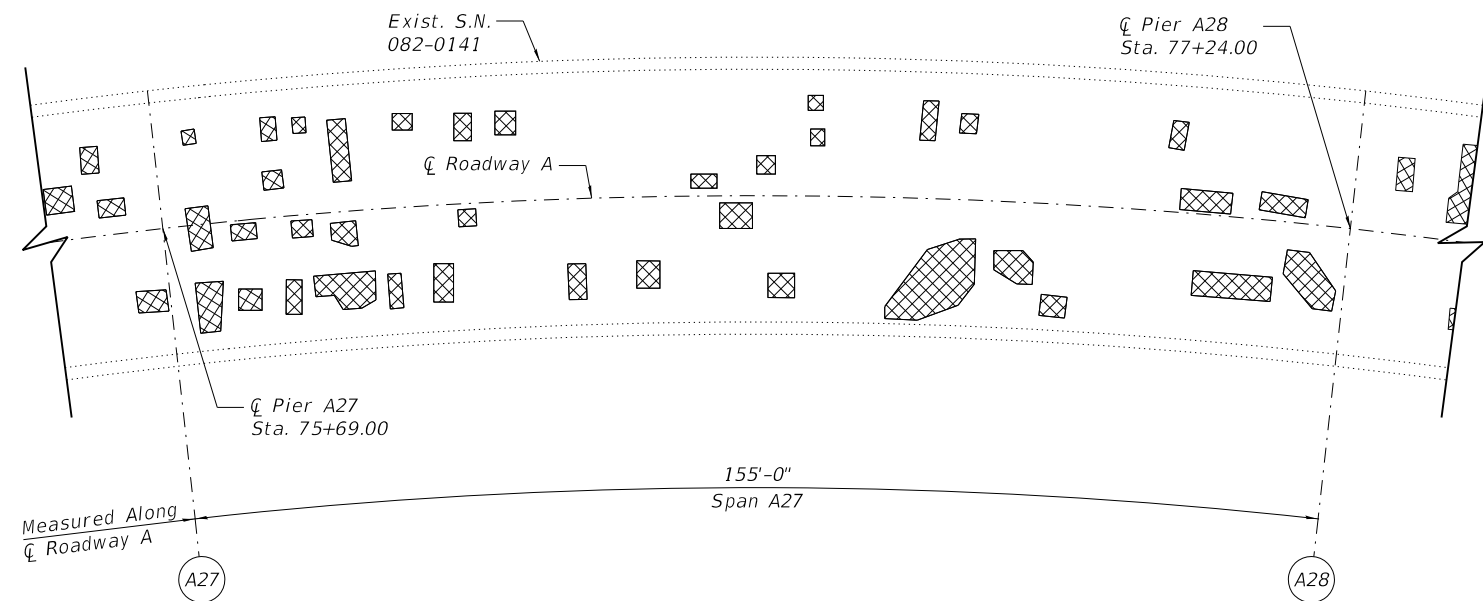
SHEET NO. 16 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	90
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPAN A26)



PLAN (SPAN A27)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A26	53	3	56
A27	57	3	60

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type 1)	Sq Yd	6
Deck Slab Repair (Partial)	Sq Yd	110

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 847.272.7400 tel | 847.291.9595 fax

USER NAME = acb
 DESIGNED - SGM
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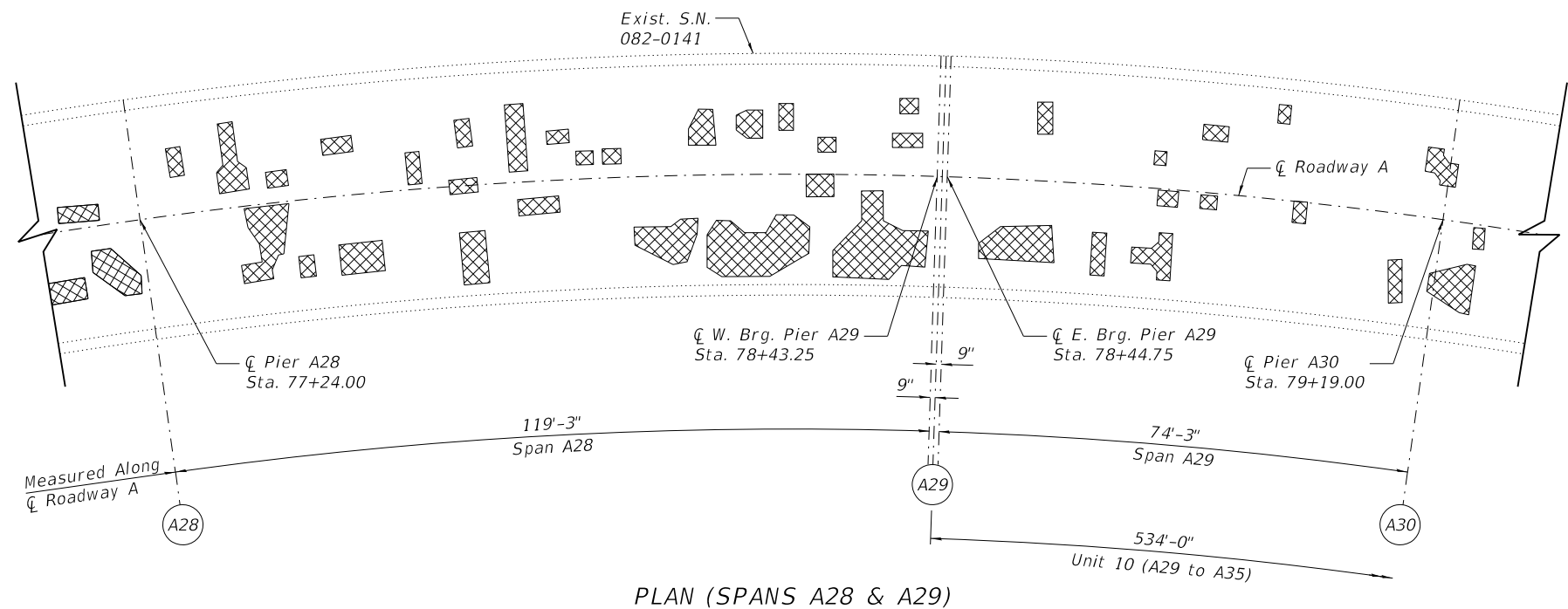
STATE OF ILLINOIS
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DECK PATCHING REPAIRS (SPANS A26 THRU A27)
S.N. 082-0141

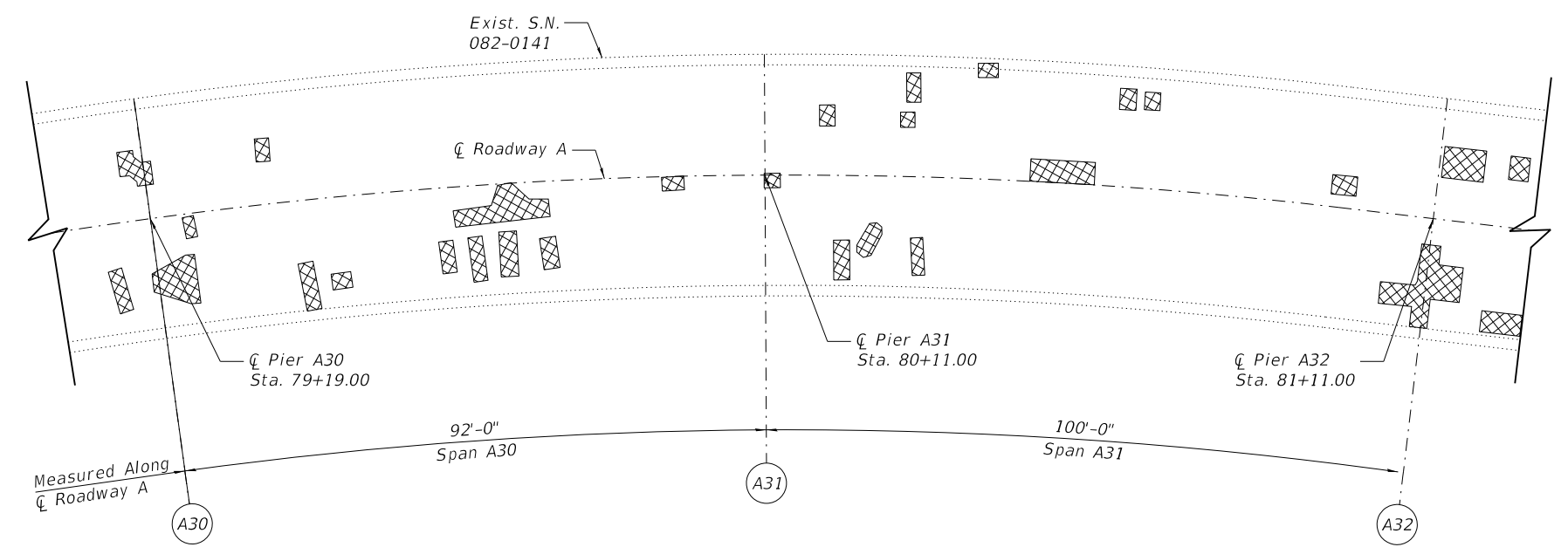
SHEET NO. 17 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPANS A28 & A29)



PLAN (SPANS A30 & A31)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A28	71	4	75
A29	20	2	22
A30	21	2	23
A31	20	2	22



Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth. The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin. For details of full depth or partial depth patching, see Sheet 75 of 90. For details of Special Drainage, see Sheet 47 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	10
Deck Slab Repair (Partial)	Sq Yd	132

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

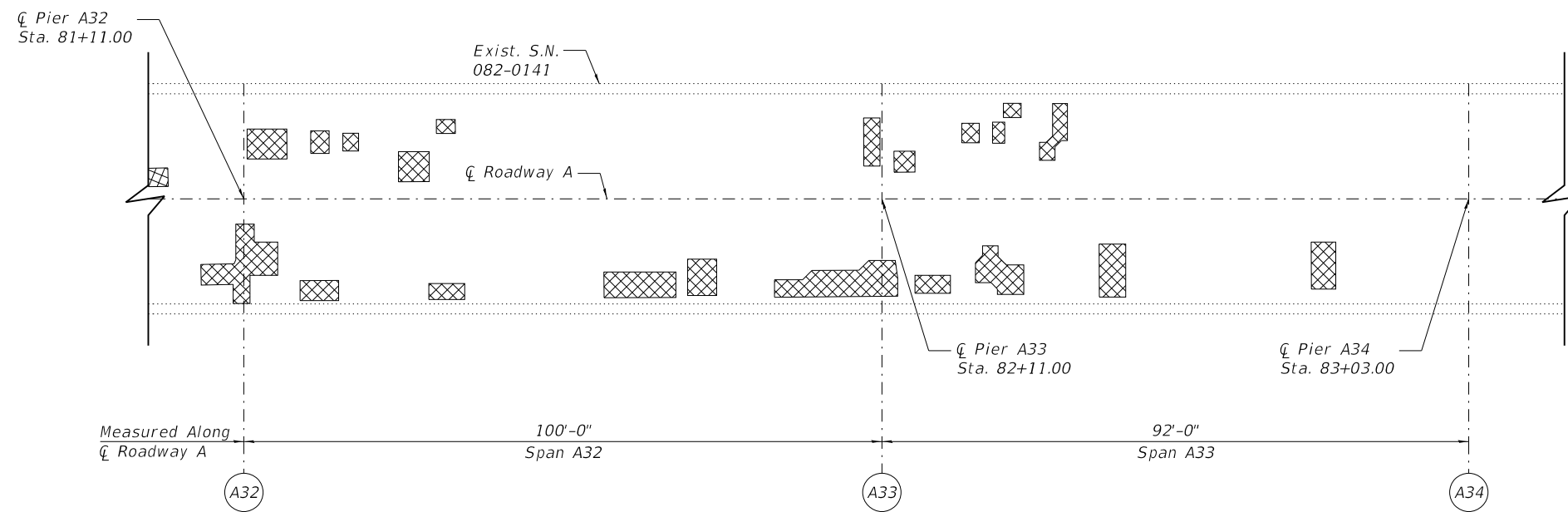
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PLOT SCALE = 0.1667' / 1"	CHECKED - RW	REVISED -
PLOT DATE = 9/28/2018	DRAWN - ACB	REVISED -
	DATE - 09/28/2018	REVISED -

**STATE OF ILLINOIS
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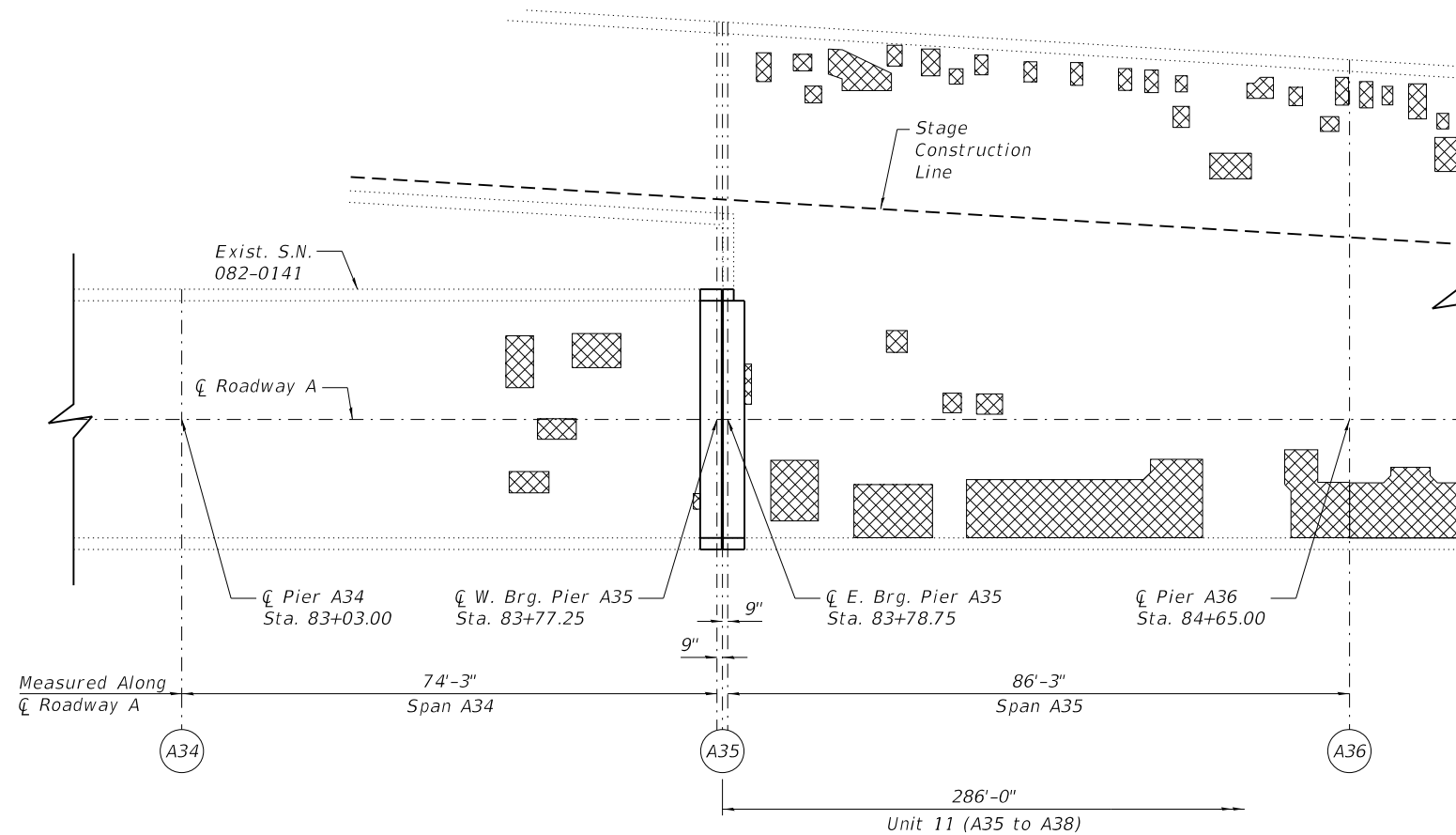
**DECK PATCHING REPAIRS (SPANS A28 THRU A31)
 S.N. 082-0141**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	92
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

PRINT DATE: 9/28/2018 11:18:16 AM Z:\5052 Poplar Street Complex\DCN\Bridges\Final\Plotsheets\Roadway A\09_Rdwy_A_Deck_Plan9 (A32-A35).dgn



PLAN (SPANS A32 & A33)



PLAN (SPANS A34 & A35)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A32	36	2	38
A33	22	2	24
A34	11	1	12
A35	81	5	86

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details and quantities of removal of existing concrete each side of joint, see Sheet 23 and 24 of 90.
 For details and quantities of replacement of concrete and new joint at Pier A35, see Sheet 36 and 37 of 90.
 For details of Special Drainage, see Sheet 47 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	10
Deck Slab Repair (Partial)	Sq Yd	150

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 Northbrook, Illinois 60062
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USER NAME = acb	DESIGNED - SGM	REVISED -
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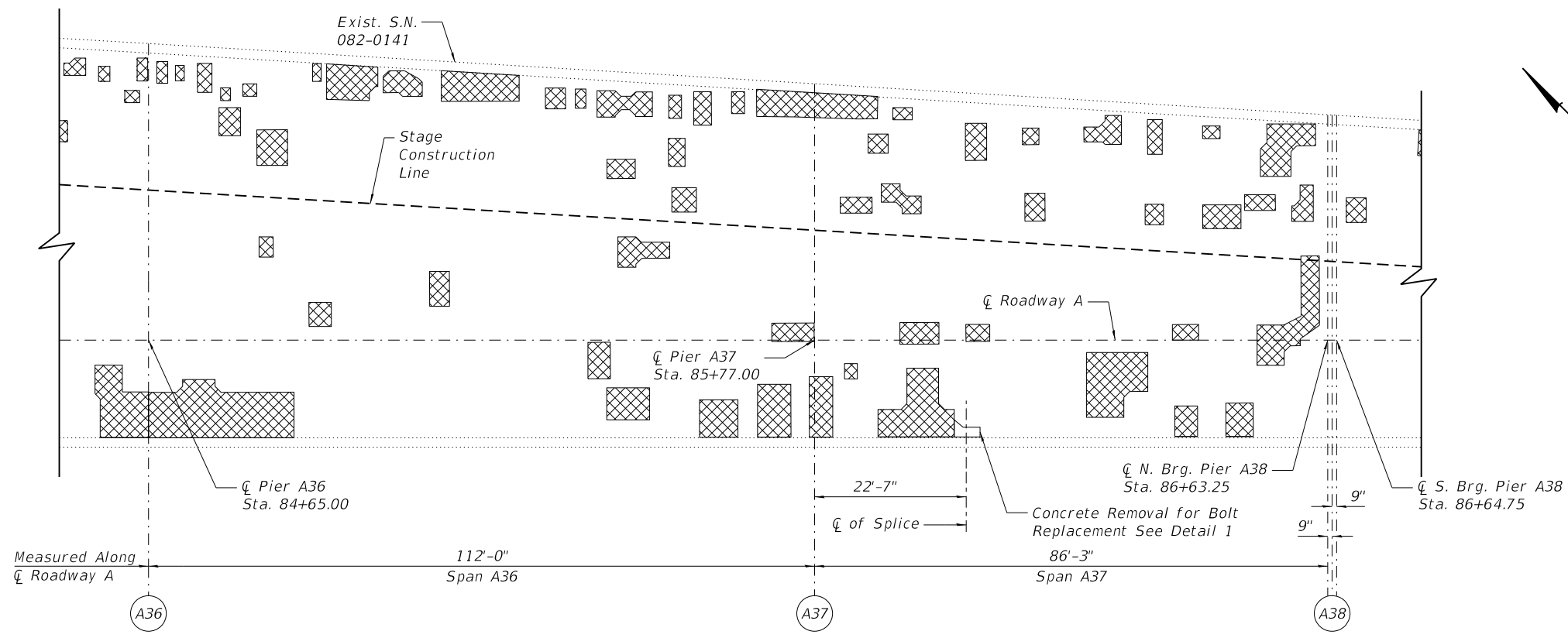
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DECK PATCHING REPAIRS (SPANS A32 THRU A35)
S.N. 082-0141

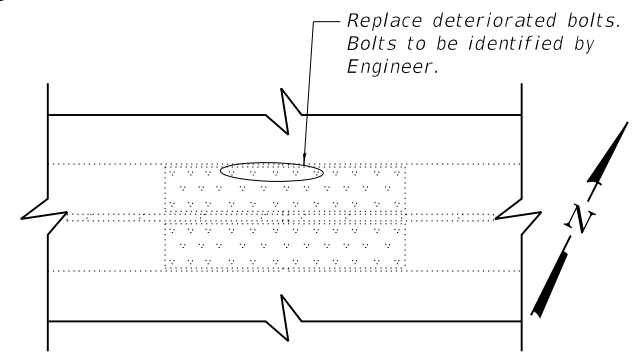
SHEET NO. 19 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	93
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

PRINT DATE: 9/28/2018 11:18:17 AM Z:\5052 Poplar Street Complex\DCN\Bridges\Final\Plotsheets\Roadway A\020_Roadway A_Deck_Plan10 (A36-A39).dgn



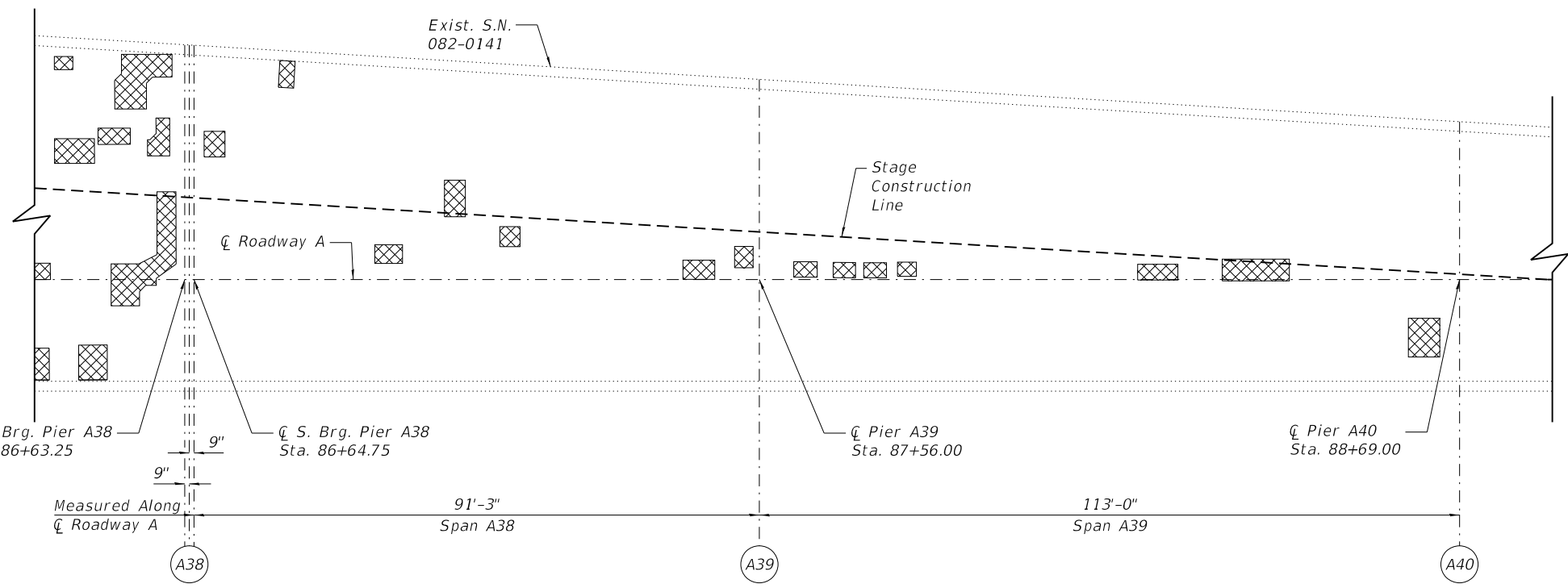
PLAN (SPANS A36 & A37)



DETAIL 1

View of top flange (looking up)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A36	99	6	105
A37	85	5	90
A38	11	1	12
A39	15	1	16



PLAN (SPANS A38 & A39)



Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details of Special Drainage, see Sheet 47 of 90.
 The removal and replacement of concrete required to access the bolts on top flange splice plate (including partial removal or the parapet toe if necessary) will be paid for as Deck Slab Repair (Full Depth, Type I).

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	13
Deck Slab Repair (Partial)	Sq Yd	210
Bolt Replacement	Each	5

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USER NAME = acb	DESIGNED - SGM	REVISED -
	CHECKED - RW	REVISED -
PLOT SCALE = 0.1667' / 1"	DRAWN - ACB	REVISED -
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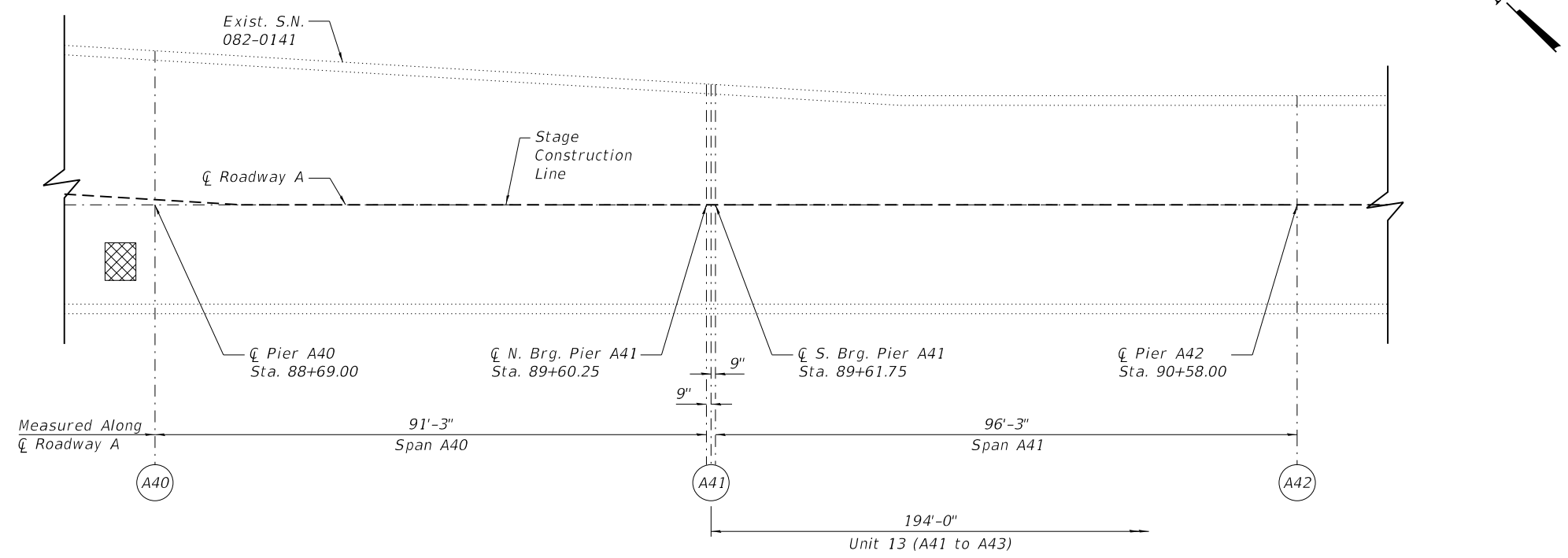
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK PATCHING REPAIRS (SPANS A36 THRU A39)
 S.N. 082-0141

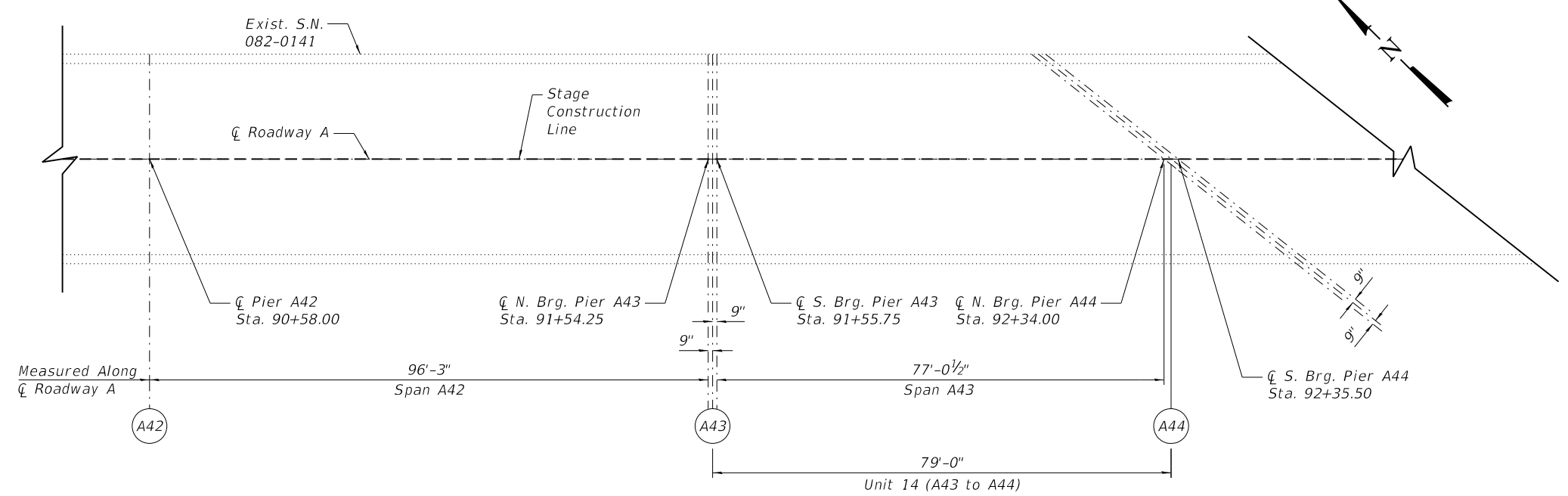
SHEET NO. 20 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	94
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

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PLAN (SPANS A40 & A41)



PLAN (SPANS A42 & A43)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A40	0	0	0
A41	0	0	0
A42	0	0	0
A43	0	0	0

Deck Slab Repair

Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details of rehabilitation of poured silicone joint at Pier A41, A43, and A44, see Sheet 46 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	0
Deck Slab Repair (Partial)	Sq Yd	0

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USER NAME = acb	DESIGNED - SGM	REVISED -
	CHECKED - RW	REVISED -
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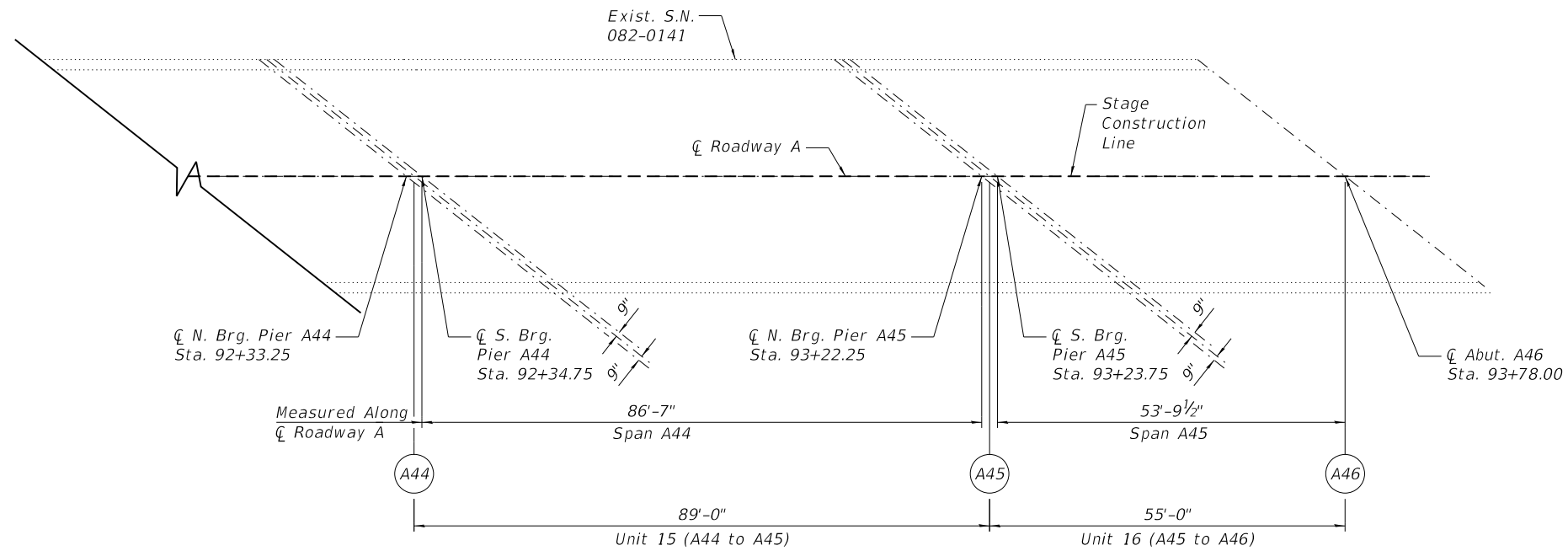
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK PATCHING REPAIRS (SPANS A40 THRU A43)
 S.N. 082-0141**

SHEET NO. 21 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3HVB-2R-(2,1)-1-2	ST. CLAIR	238	95
CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

PRINT DATE: 9/28/2018 11:18:18 AM Z:\5052 Poplar Street Complex\DCN\Bridg\Final\Plotsheets\Roadway_A\022_Rawy_A_Deck_Plan12 (A44-A45).dgn



PLAN (SPANS A44 & A45)

SPAN	PARTIAL DEPTH REPAIRS (Sq Yd)	FULL DEPTH REPAIRS (Sq Yd)	TOTAL (Sq Yd)
A44	0	0	0
A45	0	0	0



Note:
 Deck sounding was performed in March 2018, with quantities increased to account for anticipated growth.
 The Resident Engineer will determine final patch locations and quantities in the field before bridge deck patching operations begin.
 For details of full depth or partial depth patching, see Sheet 75 of 90.
 For details of rehabilitation of poured silicone joint at Pier A44 and A45 and Abutment 46, see Sheet 46 of 90.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type I)	Sq Yd	0
Deck Slab Repair (Partial)	Sq Yd	0

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USER NAME = acb	DESIGNED - SGM	REVISED -
	CHECKED - RW	REVISED -
PLOT SCALE = 0.1667' / 1" =	DRAWN - ACB	REVISED -
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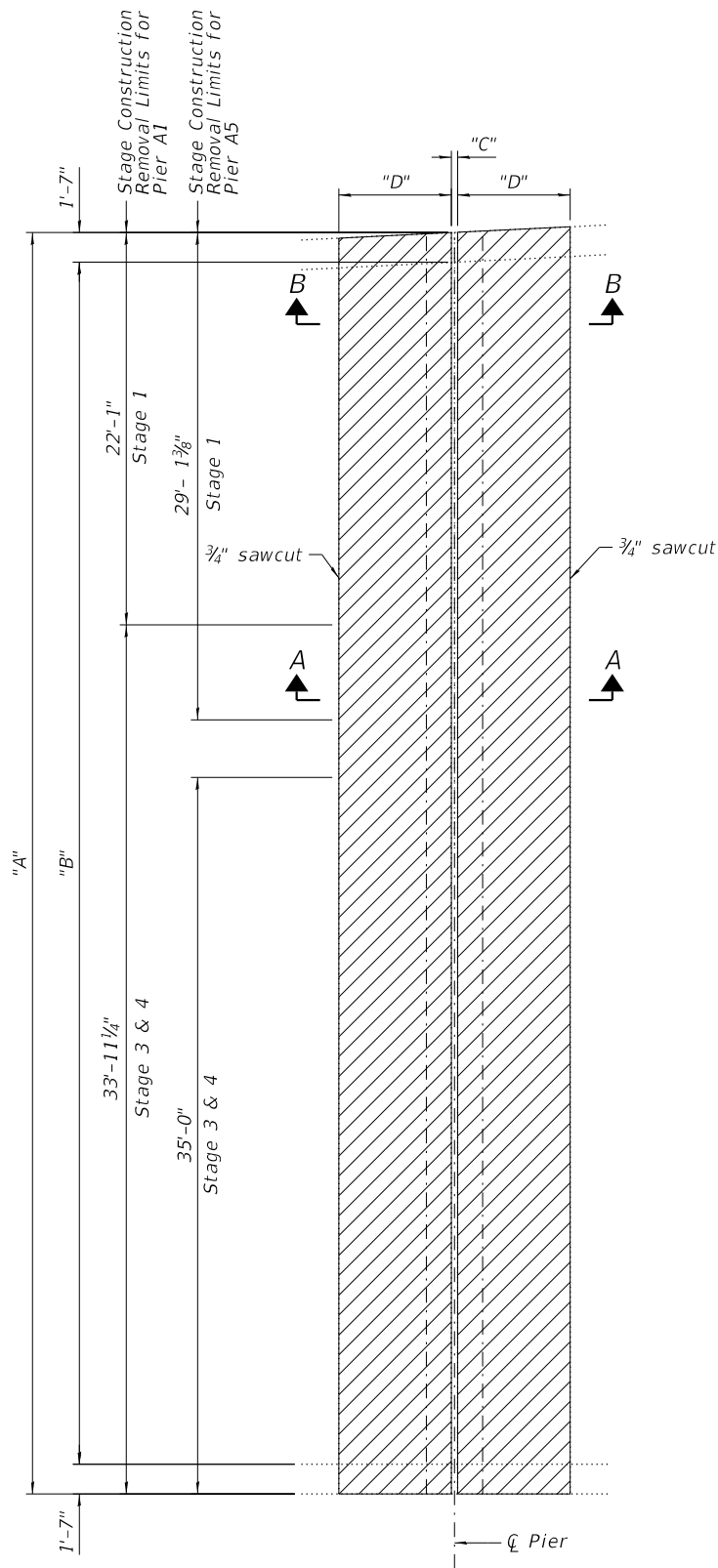
**STATE OF ILLINOIS
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**DECK PATCHING REPAIRS (SPANS A44 THRU A45)
 S.N. 082-0141**

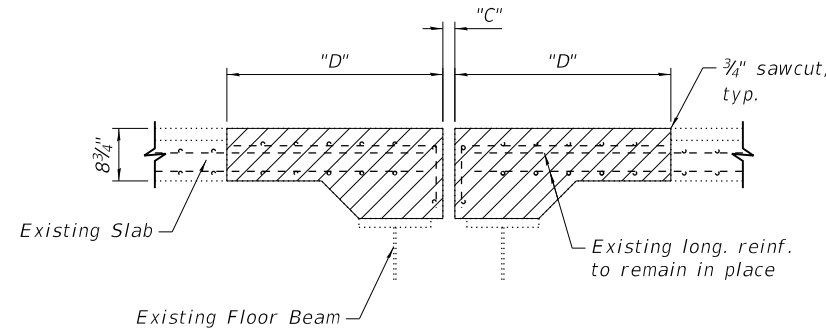
SHEET NO. 22 OF 90 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

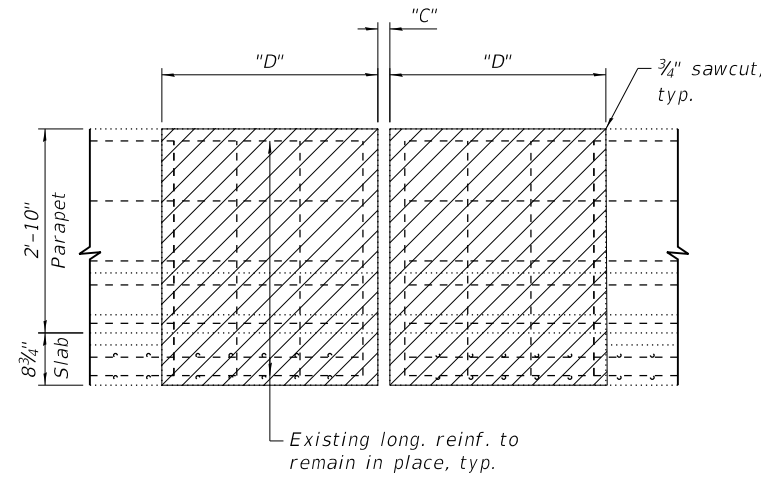
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PLAN SHOWING REMOVAL



SECTION A-A



VIEW B-B
(Showing Reinforcement)

CONCRETE REMOVAL

Location	Dimension "A"	Dimension "B"	Dimension "C"	Dimension "D"	Concrete Removal (Cu Yd)	Total (Cu Yd)
Pier A1	56'-0 1/4"	52'-10 1/4"	5 3/4"	5'-0"	19.0	19.0
Pier A5	67'-3 1/8"	64'-1 3/4"	2"	3'-0"	15.9	16.0
Pier A8*	36'-0"	32'-10"	3"	3'-0"	9.1	9.1
Pier A11*	36'-0 1/8"	32'-10 1/8"	2"	3'-0"	9.1	9.1
Pier A12*	36'-3 1/4"	33'-1 1/4"	2"	3'-0"	9.2	9.2
Pier A15*	41'-0 1/2"	37'-10 1/2"	3"	3'-0"	10.2	10.2
Pier A18*	51'-7 1/2"	48'-5"	3"	3'-0"	12.6	12.6
Pier A21*	69'-0 3/8"	65'-10 1/4"	2 1/2"	3'-0"	16.4	16.5
Pier A25*	36'-1"	32'-11"	4 1/4"	5'-0"	12.7	12.7
Pier A35*	36'-1"	32'-11"	2"	3'-0"	8.8	8.9

*Traffic will be detoured to permit Contractor full access to these joints, as such staging of concrete removal is not required.

Notes:
 See Sheet 24 of 90 for additional removal details at Pier A1, A5, and A35.
 Prior to concrete removal at Pier A21 and deck repairs in Span A20, provide protective shielding extending the full length of Span A20 and 10 feet east of Pier A21. Also provide At-Grade Track Protection per UPRR Notes (See Sheet 3 of 238) and Special Provisions. A quantity of 100 Sq. Yd. has been included for this work under the Protective Shield pay item.
 Concrete removal calculations account for staged construction and include a quantity associated with removal of a small portion of the prior stage to facilitate the work.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	123.3
Protective Shield	Sq. Yd.	815

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 330 Pfingsten Road
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USER NAME = acb	DESIGNED - SGM	REVISED -
PLOT SCALE = 0:2" = 1' = 1/8"	CHECKED - RW	REVISED -
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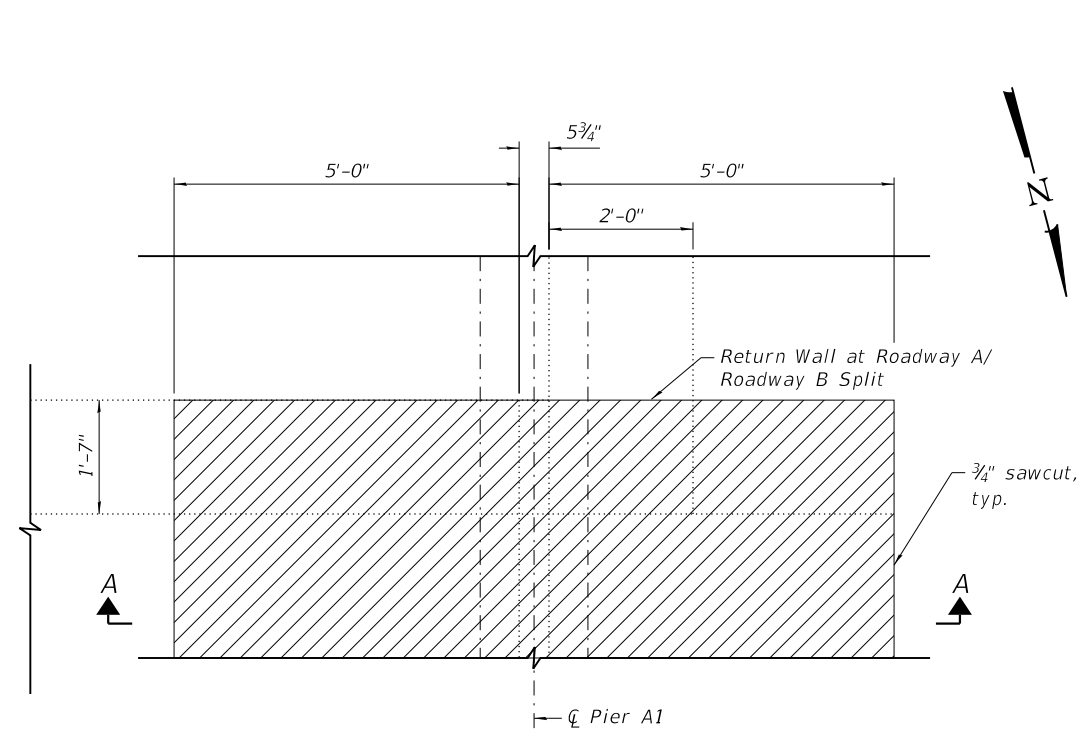
STATE OF ILLINOIS
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EXPANSION JOINT REMOVAL DETAILS
 S.N. 082-0141

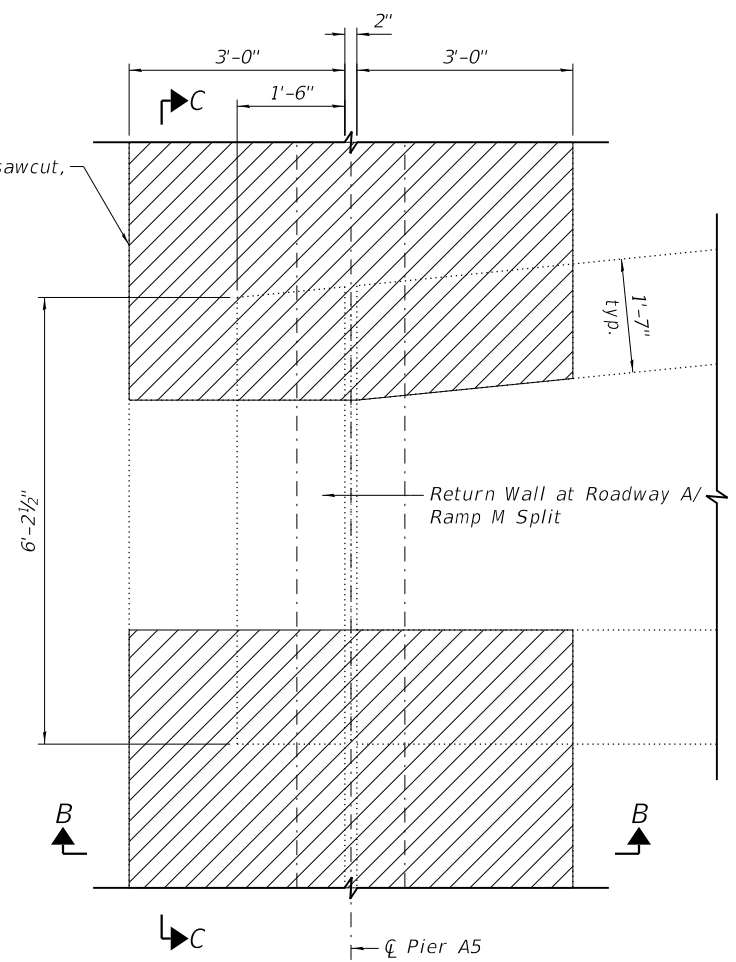
SHEET NO. 23 OF 90 SHEETS

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				
ILLINOIS FED. AID PROJECT				

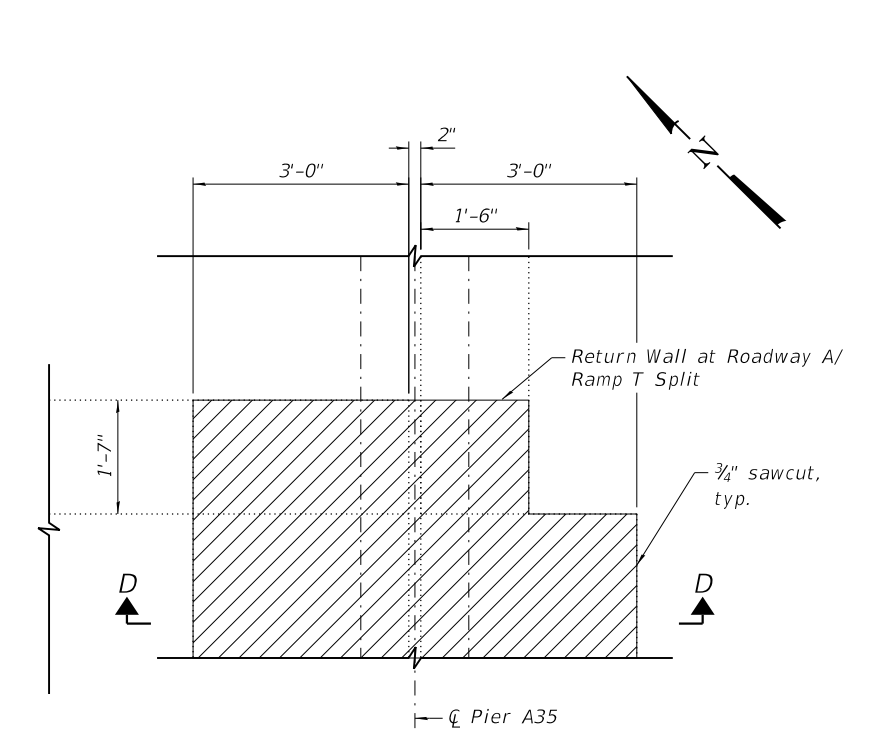
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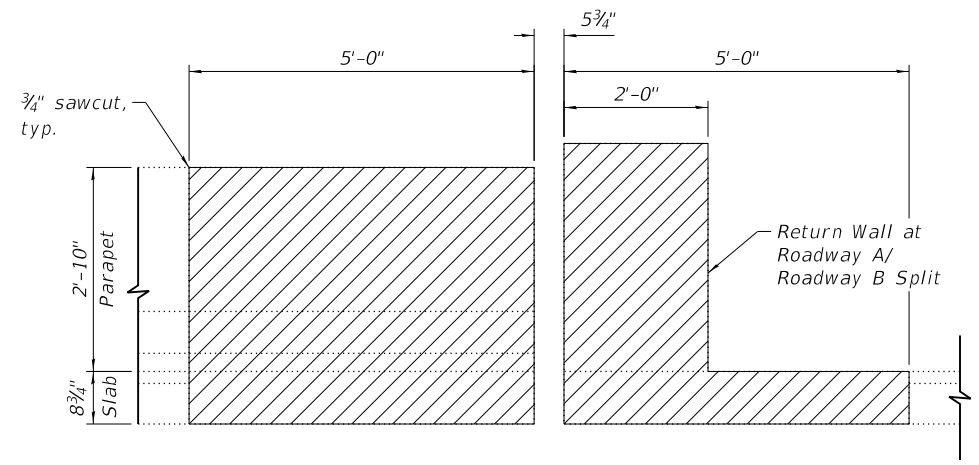
PIER A1 RETURN WALL PLAN VIEW



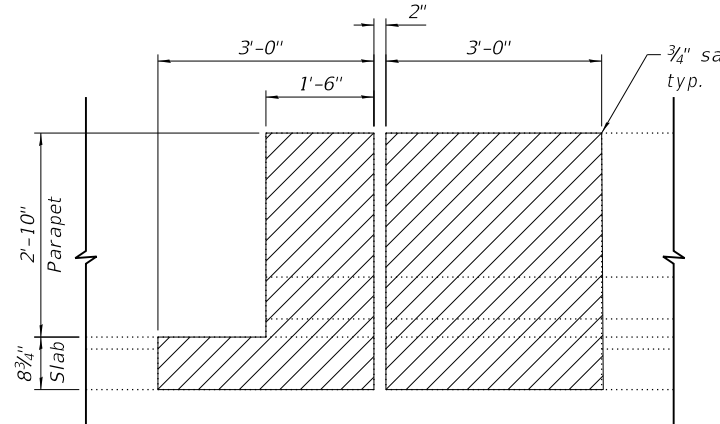
PIER A5 RETURN WALL PLAN VIEW



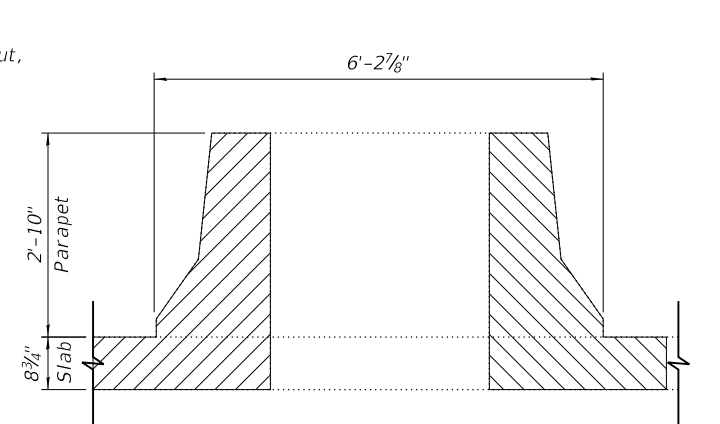
PIER A35 RETURN WALL PLAN VIEW



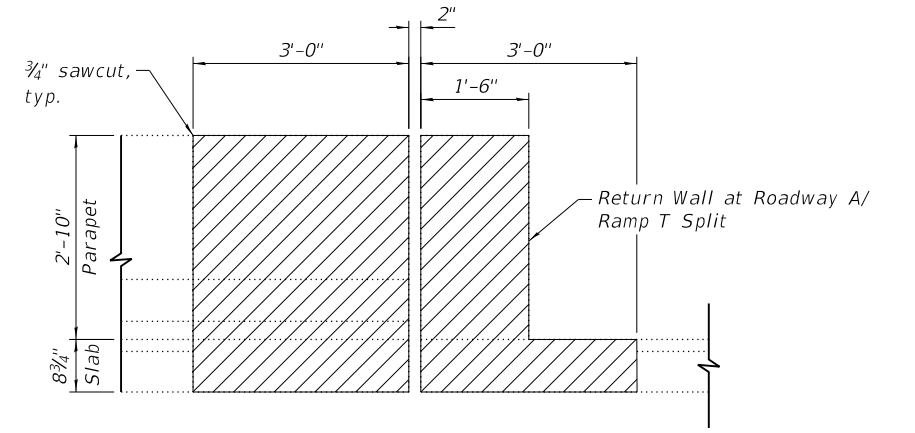
VIEW A-A



VIEW B-B



VIEW C-C



VIEW D-D

Notes:
See Sheet 23 of 90 for additional removal details at Pier A1, A5, and A35.

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USER NAME = acb	DESIGNED - SGM	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - RW	REVISED -
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	DATE - 09/28/2018	REVISED -

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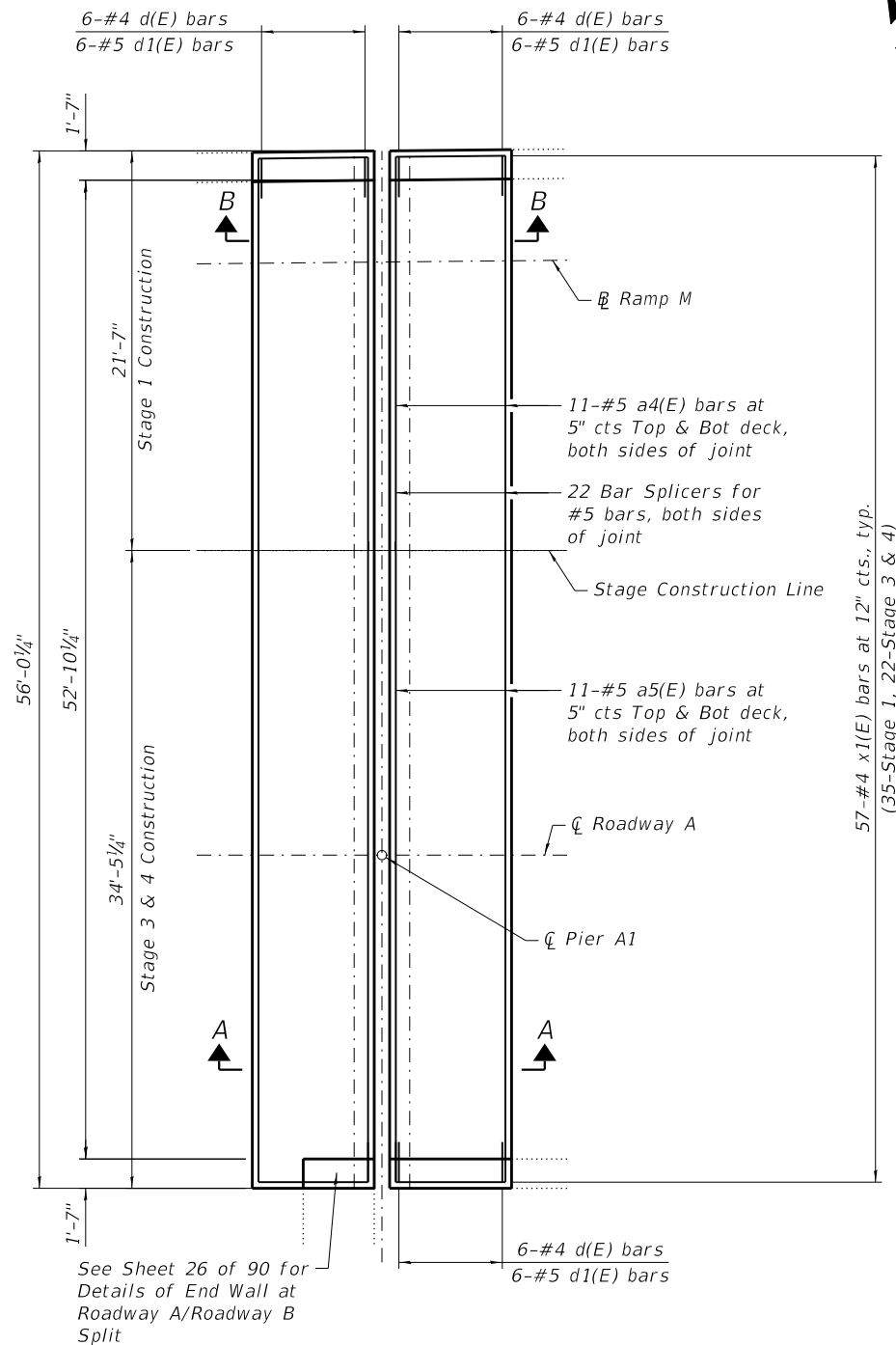
EXPANSION JOINT REMOVAL DETAILS
S.N. 082-0141

SHEET NO. 24 OF 90 SHEETS

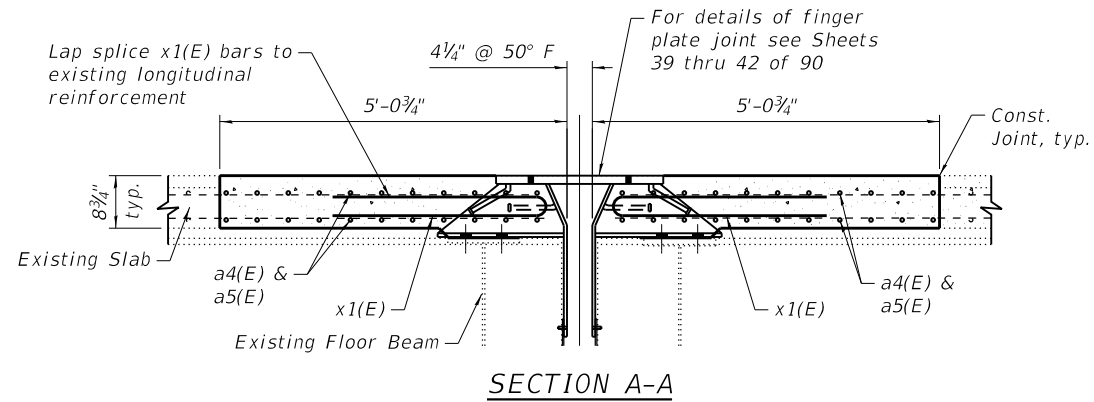
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76945				

ILLINOIS FED. AID PROJECT

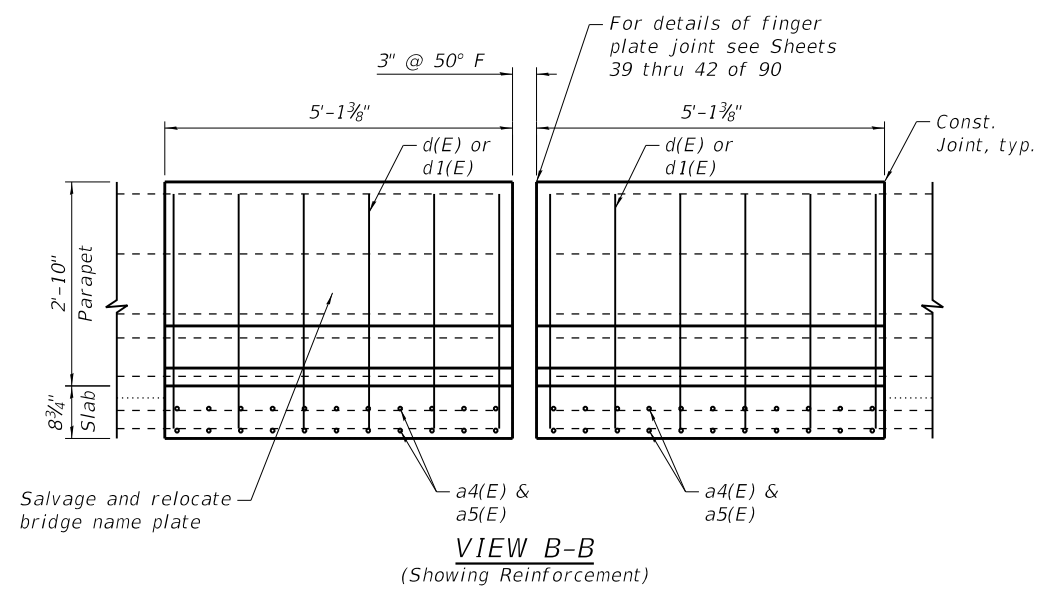
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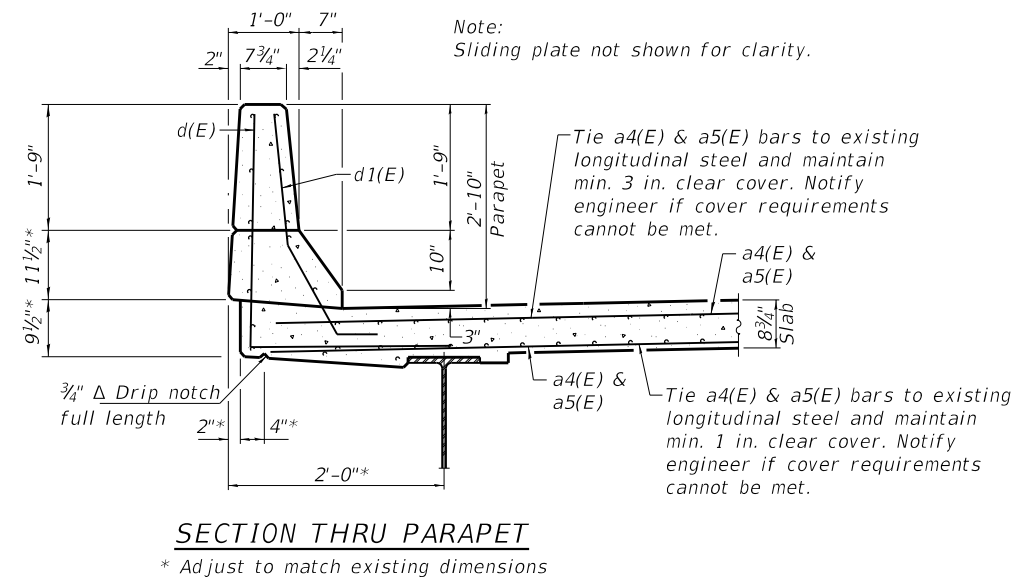
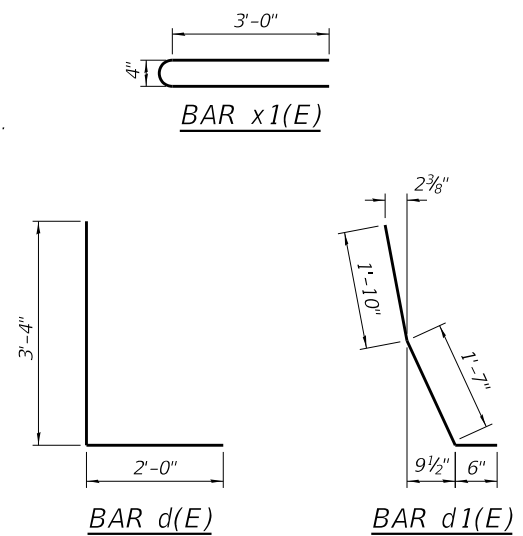
PIER A1 PLAN SHOWING REPLACEMENT



SECTION A-A



VIEW B-B (Showing Reinforcement)



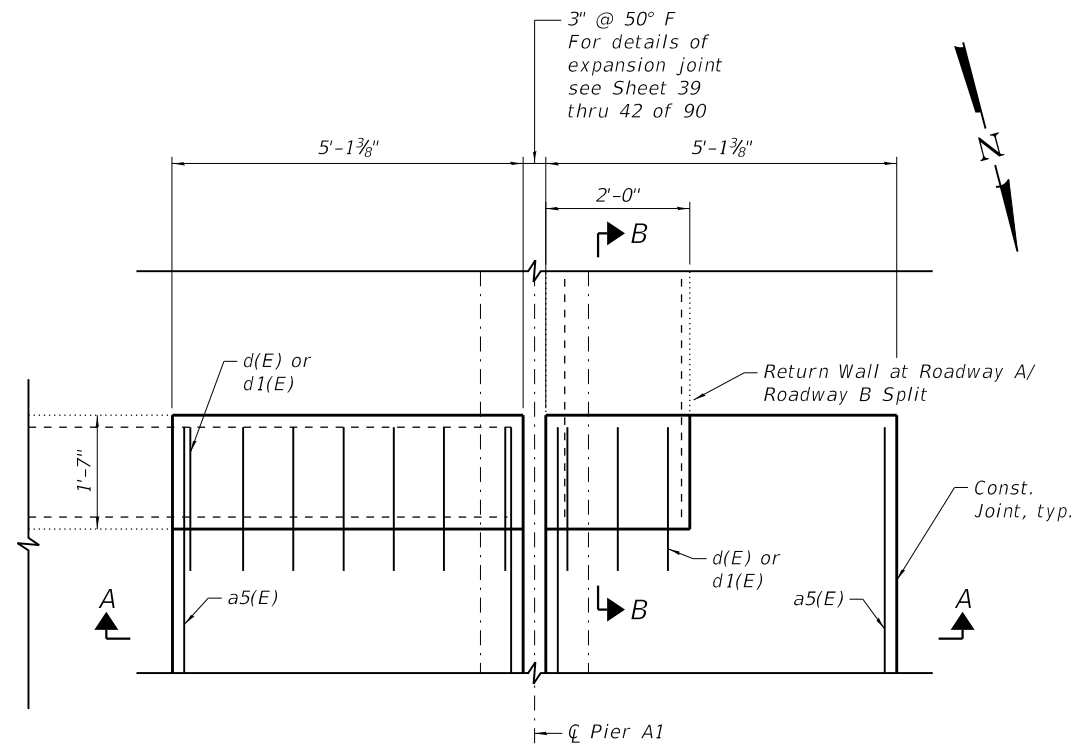
SECTION THRU PARAPET

BILL OF MATERIAL

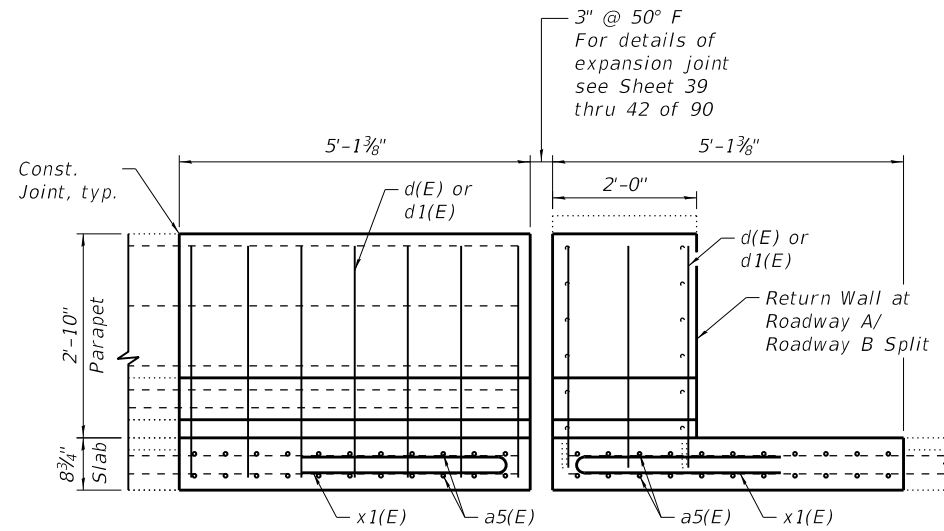
Bar	No.	Size	Length	Shape
a4(E)	44	#5	21'-5"	—
a5(E)	44	#5	34'-3"	—
d(E)	21	#4	5'-4"	L
d1(E)	21	#5	3'-11"	L
x1(E)	114	#4	6'-7"	—
Reinforcement Bars, Epoxy Coated			Lbs.	3220
Concrete Superstructure			Cu. Yds.	19.0
Bar Splicer			Each	44
Relocating Name Plates			Each	1

See Roadway Plans for extents of required traffic control.

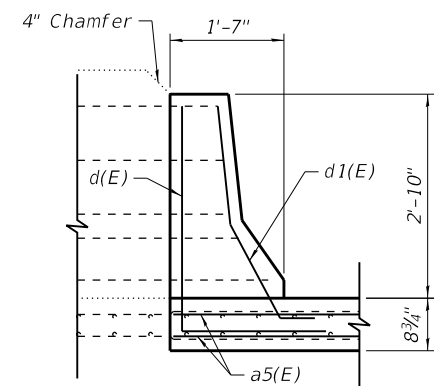
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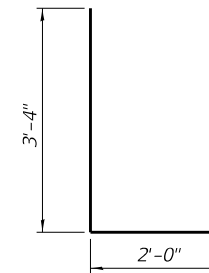
PIER A1 RETURN WALL PLAN VIEW



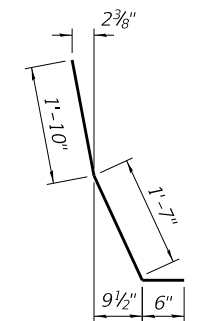
VIEW A-A



VIEW B-B



BAR d(E)



BAR d1(E)

Notes:
See Sheet 25 of 90 for additional details and quantities.