

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

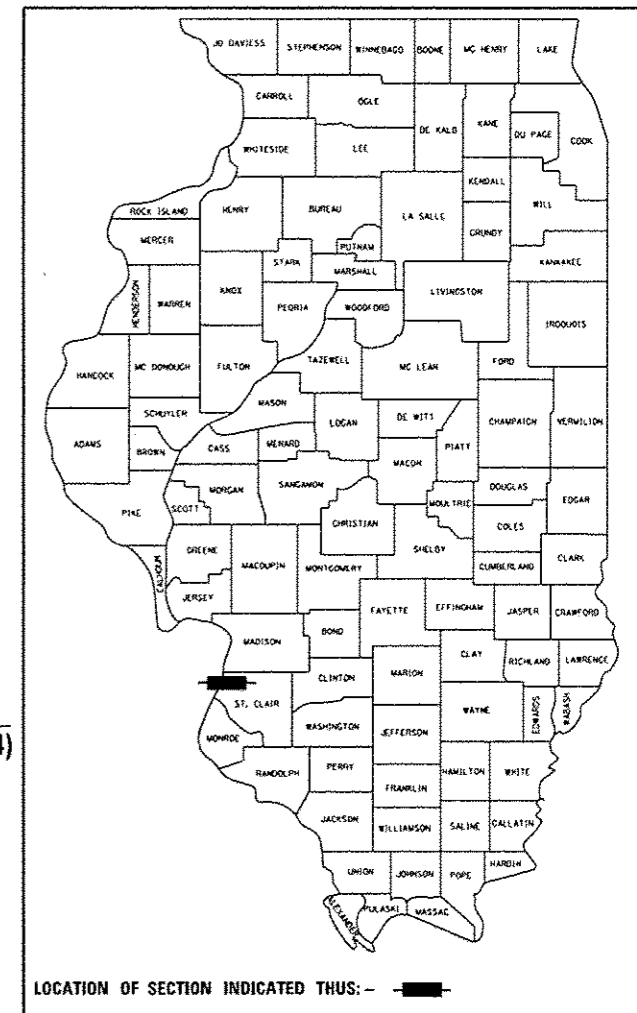
FAI ROUTE 64 (INTERSTATE 64)
SECTION 82-(1,4)B-1
PROJECT ACI-0064 (403)
PROPOSED BRIDGE AND ADDITIONAL LANE
ST. CLAIR COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	1
ILLINOIS CONTRACT NO. 76G09				

INDEX OF SHEETS

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- 377-406 CROSS SECTIONS

D-98-009-13



LOCATION OF SECTION INDICATED THUS: —

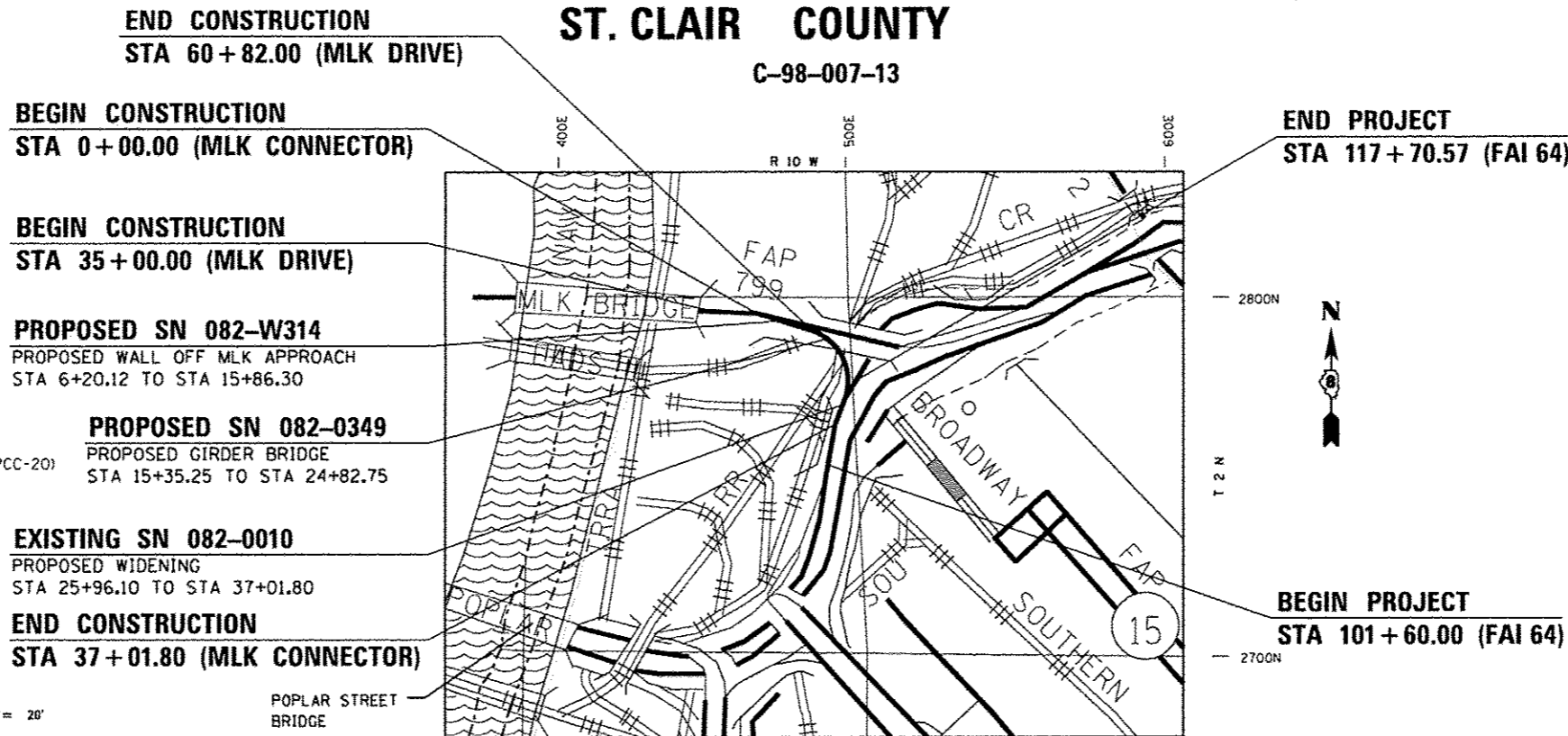
LAT : 38.62894
LONG : -90.16384

TRAFFIC DATA

MLK CONNECTOR	FAI 64 WB
ADT = 2,000 (2015)	ADT = 49,300 (2011)
ADT = 2,500 (2035)	ADT = 30,020 (2032)
SU = 3.5%	SU = 2.3%
MU = 11.5%	MU = 5.5%

DESIGN DESIGNATION

MLK CONNECTOR 500(35) OTHER PRINCIPAL ARTERIAL 11.17 (PCC-20)



END CONSTRUCTION
STA 60+82.00 (MLK DRIVE)

BEGIN CONSTRUCTION
STA 0+00.00 (MLK CONNECTOR)

BEGIN CONSTRUCTION
STA 35+00.00 (MLK DRIVE)

PROPOSED SN 082-W314
PROPOSED WALL OFF MLK APPROACH
STA 6+20.12 TO STA 15+86.30

PROPOSED SN 082-0349
PROPOSED GIRDER BRIDGE
STA 15+35.25 TO STA 24+82.75

EXISTING SN 082-0010
PROPOSED WIDENING
STA 25+96.10 TO STA 37+01.80

END CONSTRUCTION
STA 37+01.80 (MLK CONNECTOR)

END PROJECT
STA 117+70.57 (FAI 64)

BEGIN PROJECT
STA 101+60.00 (FAI 64)

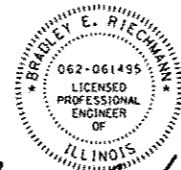
GROSS LENGTH = 3751.80 FT. = 0.711 MILE LOCATION MAP NET LENGTH = 3751.80 FT. = 0.711 MILE
(MLK CONNECTOR) NOT TO SCALE (MLK CONNECTOR)

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

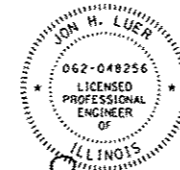
PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
SQUAD LEADER: REBECCA THARP (618) 346-3323

CONTRACT NO. 76G09



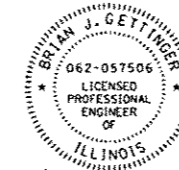
Bradley E. Riechmann 8/8/14
Bradley E. Riechmann, P.E. Date
License Expires 11/30/2015

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION:
SHEETS 1-16, 18-26, 32-42, 371-406



Jon H. Luer 8/8/14
Jon H. Luer, P.E. Date
License Expires 11/30/2015

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION:
SHEETS 17, 43-62, 72-80, 361-370



Brian J. Gettinger 8/8/14
Brian J. Gettinger, P.E. Date
License Expires 11/30/2015

THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION:
SHEETS 63-71

PLANS PREPARED BY

HORNER & SHIFRIN, INC.
ENGINEERS
640 Pierce Boulevard, Suite 200
O'Fallon, Illinois 62269
Phone: (618) 622-3040
www.HornerShifrin.com
Illinois Professional Design Firm
No. 184-000435
License Expires 4/30/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Aug 13 2014*
John D. Baranzelli, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
Dec 18 2014
Omer Osman, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
Dec 18 2014
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

USER NAME : hshifrin
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 PLOT DATE : 8/17/2014
 PLOT TIME : 10:51:54 AM
 PLOT SCALE : 1/8"=1'-0"
 PEN TABLE : PEN1818.S4
 PLOT DRIVER : HPGL2
 FILE NAME : N:\1299402-MLK\CD\TX\Plan\1291081-082-0010-01.dgn

IDOT HIGHWAY STANDARDS

000001-06	602601-03	635006-03	701446-05	837001-03
001001-02	602701-02	635011-02	701801-05	838001
001006	604001-03	642001-02	701901-03	
280001-07	604006-04	666001-01	704001-07	
420001-07	604036-02	701101-04	720001-01	
420111-03	604071-04	701106-02	720006-04	
420301-05	604091-02	701400-07	720021-02	
420401-10	606001-05	701401-08	780001-04	
463001-04	630001-10	701402-09	781001-03	
515001-03	630201-06	701406-08	805001-01	
542301-03	630301-06	701421-06	821101	
542546-01	631011-09	701422-06	826001	
602306-03	631031-12	701423-07	830006-02	
602401-03	631033-05	701426-06	835001	
602406-06	635001-01	701428	836001-02	

GENERAL NOTES

- THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AmerenCIPS - ELECTRIC
 - Ameren ILLINOIS - GAS
 - AT&T ILLINOIS - COMMUNICATIONS
 - ILLINOIS AMERICAN WATER COMPANY - WATER
 - QWEST SOLUTIONS CENTER - COMMUNICATIONS
 - SHO-ME TECHNOLOGIES - COMMUNICATIONS
 - CHARTER COMMUNICATIONS
 - METRO EAST SANITARY DISTRICT (M.E.S.D.) - CAHOKIA CANAL
 - CLEARWAVE COMMUNICATIONS
 - CITY OF EAST ST. LOUIS
 - LEVEL 3 COMMUNICATIONS
 - SPRINT / NEXTEL
 - 360 NETWORKS, INC.
 - EAST ST. LOUIS - SEWER
- MEMBERS OF J.U.L.I.E. (800) 892-0123 OR 811 ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
- THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT INTERCHANGES, ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".
- ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED. THE ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

9. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	0.056	TON/SO YD/[N
HOT-MIX ASPHALT SURFACE COURSE	0.056	TON/SO YD/[N
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05	TON/CU YD
BITUMINOUS MATERIALS:		
PRIME COAT FOR BITUMINOUS CONCRETE:		
- ON PAVEMENT	0.4	POUND/SO YD
- ON AGGREGATE	4	POUND/SO YD
- ON COLD MILLED SURFACE	0.8	POUND/SO YD
- FOC COAT ON NEW BINDER	0.24	POUND/SO YD
RIP RAP	1.5	TON/CU YD
SEEDING, CLASS 2A	200	LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90	LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90	LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LB/ACRE
MULCH	2	TON/ACRE

10. FIVE CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. CHANGEABLE MESSAGE BOARDS SHALL BE PLACED FOR ONE WEEK PRIOR TO THE MLK DRIVE LANE CLOSURES. THE CHANGEABLE MESSAGE SHALL BE PLACED ALONG I-70 EB IN MISSOURI, WB I-55/70 (NEAR JL ROUTE 203), ST. CLAIR AVE., WB I-64, AND MEMORIAL DR. & LACLEDE'S LANDING BLVD. IN MISSOURI.

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

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 250 FEET

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

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

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

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

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

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

- FOR STABILIZATION ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE 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.
- ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ART. 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EXTENSION.
- BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, MANHOLES AND BOX CULVERTS, THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LENGTH AND QUANTITY REQUIRED.

18. 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.

19. 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.

20. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUBCONTRACTORS 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.

21. SIGN PANELS REMOVED IN THIS CONTRACT SHALL BE TAKEN TO THE TM BUILDING AT:

9601 ST CLAIR AVENUE
FAIRVIEW HEIGHTS, IL 62208.

CONTACT JEAN SLAPE AT (618) 394-2189 TO ARRANGE DELIVERY.

21. EXISTING STRUCTURE PLANS ARE AVAILABLE FOR REVIEW IN THE DISTRICT OFFICE. CONTACT REBECCA THARP AT (618) 346-3323.

MIXTURE DESIGNS

MIXTURE USE(S):	12" HMA SHOULDERS		
	POLY SURFACE	POLY BINDER	BINDER
AC/PG:	SBS PG 76-22	SBS PG 76-22	PG 64-22
RAP% (MAX):	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION:			
(GRADATION MIXTURE)	IL 9.5	IL 19.0 F.G.	IL 19.0 F.G.
FRICITION AGGREGATE	MIXTURE "E"	MIXTURE "B"	MIXTURE "B"
QUALITY MGMT PROGRAM	QC/QA	QC/QA	QC/QA

COORDINATE SYSTEM AND DATUM

THIS PROJECT IS BASED ON THE MISSISSIPPI RIVER CROSSING (MRC) COORDINATE SYSTEM. THE MISSISSIPPI RIVER CROSSING (MRC) COORDINATE SYSTEM IS BASED ON A MODIFIED UNIVERSAL TRANSVERSE MERCATOR (UTM) SYSTEM. THE MRC COORDINATE SYSTEM HAS BEEN CONVERTED FROM UTM ZONE 15 NORTH BY AN AVERAGE PROJECTION FACTOR AND ALSO CONVERTED FROM METERS TO U.S. SURVEY FEET.

AVERAGE GRID FACTOR = 1.000339495
PROJECTION FACTOR = 1/grid = 0.999660620

THE BASE POINT FROM WHICH ALL UTM COORDINATES WERE SCALED WAS PRIMARY CONTROL MONUMENT NUMBER 10, LISTED IN APPENDIX A OF THE MRC SURVEY SUMMARY, AVAILABLE FROM THE ENGINEER. EACH VECTOR FROM MONUMENT 10 TO ALL OTHER MONUMENTS WAS MULTIPLIED BY THE PROJECTION FACTOR TO CALCULATE A SURFACE VECTOR AND THEN THIS SURFACE VECTOR WAS USED TO CALCULATE THE SURFACE COORDINATES.

THE VERTICAL CONTROL DATUM IS NAVD 1988.

COMMITMENTS

NONE

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PLT DATE: 8/6/2014 3:04:22 PM	DATE: -	REVISED: -	REVISED: -			CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT										

CODE			URBAN	TOTAL	CONSTRUCTION CODE					
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
					20100500	TREE REMOVAL, ACRES	ACRE	1	1	
20200100	EARTH EXCAVATION	CU YD	995	995						
20400800	FURNISHED EXCAVATION	CU YD	4810	4810						
20800150	TRENCH BACKFILL	CU YD	358	358						
25000305	SEEDING, CLASS 3A	ACRE	1	1						
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	87	87						
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	87	87						
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	87	87						
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2	2						
25100127	MULCH, METHOD 3A	ACRE	24.5	24.5						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2250	2250						
28000400	PERIMETER EROSION BARRIER	FOOT	7181	7181						
28000500	INLET AND PIPE PROTECTION	EACH	20	20						
28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	3292	3292						

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 15 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1,418-1	ST. CLAIR	406	3
CONTRACT NO. 76609			ILLINOIS FED. AID PROJECT	

Rev.

CODE			URBAN	TOTAL	CONSTRUCTION CODE						
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040	
28100107	STONE RIPRAP, CLASS A4			4626	4626						
28200200	FILTER FABRIC			4626	4626						
31100100	SUBBASE GRANULAR MATERIAL, TYPE A			3145	3145						
31102712	SUBBASE GRANULAR MATERIAL, TYPE C 12"			512	512						
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"			2310	2310						
42001300	PROTECTIVE COAT			4350	4350						
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)			409	409						
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH			119	119						
44000300	CURB REMOVAL			946	946						
44000600	SIDEWALK REMOVAL			119	119						
44004000	PAVED DITCH REMOVAL			437	437						
44004250	PAVED SHOULDER REMOVAL			959	959						
48100100	AGGREGATE SHOULDERS, TYPE A			6	6						
48203045	HOT-MIX ASPHALT SHOULDERS, 12"			408	408						

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 2	OF 15 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	4
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

CODE			TOTAL	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040	
				URBAN						
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	1394	1394						
50102400	CONCRETE REMOVAL	CU YD	878.7			878.7				
50104650	SLOPE WALL REMOVAL	SQ YD	71			71				
50157300	PROTECTIVE SHIELD	SQ YD	2499			2499				
50200100	STRUCTURE EXCAVATION	CU YD	4921.1		351.1	759				3811
50300225	CONCRETE STRUCTURES	CU YD	1585		933.2	651.8				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	3242.5		1591.8	997.3				653.4
50300260	BRIDGE DECK GROOVING	SQ YD	7149		4130	3019				
50300300	PROTECTIVE COAT	SQ YD	10374		5369	3488				1517
50401205	PRECAST CONCRETE CAPS	EACH	7		7					
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		0.65	0.35				
50500505	STUD SHEAR CONNECTORS	EACH	34067		34067					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1077800		597220	389360				91220
50800515	BAR SPLICERS	EACH	146		74	72				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1,41B-1	ST. CLAIR	406	5
			CONTRACT NO. 76609	
ILLINOIS FED. AID PROJECT				

Rev.

14

CODE			URBAN	TOTAL	CONSTRUCTION CODE						
					90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE SN 082-0349	90% FEDERAL 10% STATE SN 082-0010	90% FEDERAL 10% STATE HIGHWAY LIGHTING	0% FEDERAL 100% STATE URBAN	90% FEDERAL 10% STATE	
					ROADWAY	BRIDGE	BRIDGE	TRAFFIC SIGNS	TRAFFIC SIGNS	RETAINING WALL	
					0001	0008	0014	0021	0021	0040	
50800530	MECHANICAL SPLICERS	EACH		825		286	539				
51100100	SLOPE WALL 4 INCH	SQ YD		557		403	154				
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT		7538		3117	4421				
51202305	DRIVING PILES	FOOT		7538		3117	4421				
51203200	TEST PILE METAL SHELLS	EACH		6		2	4				
51204650	PILE SHOES	EACH		24		24					
51500100	NAME PLATES	EACH		3		1	1				1
52000110	PREFORMED JOINT STRIP SEAL	FOOT		483			483				
52000212	FINGER PLATE EXPANSION JOINT, 4"	FOOT		157			157				
52000550	PREFORMED JOINT SEAL, 4"	FOOT		34		34					
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT		162			162				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		10			10				
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH		39			39				
52100540	ANCHOR BOLTS, 1 1/2"	EACH		378		168	210				
52100560	ANCHOR BOLTS, 2"	EACH		6			6				

14

Rev.

CODE			URBAN	TOTAL	CONSTRUCTION CODE					
					90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	0% FEDERAL 100% STATE	90% FEDERAL 10% STATE
					URBAN ROADWAY 0001	SN 082-0349 BRIDGE 0008	SN 082-0010 BRIDGE 0014	HIGHWAY LIGHTING TRAFFIC SIGNS 0021	URBAN TRAFFIC SIGNS 0021	SN 082-W314 RETAINING WALL 0040
54002020	EXPANSION BOLTS 3/4 INCH	EACH	89			89				
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1						
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1						
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1						
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	4	4						
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	463	463						
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	27	27						
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	16	16						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	406	406						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	27	27						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	123	123						
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	195	195						
550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	163	163						
550A1030	STORM SEWERS, CLASS A, TYPE 4 30"	FOOT	197	197						

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 15 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-I	ST. CLAIR	406	7
CONTRACT NO. 7609			ILLINOIS FED. AID PROJECT	

Rev.

CODE			URBAN TOTAL	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
				550A1300	STORM SEWERS, CLASS A, TYPE 5 30"	FOOT	197	197	
550A1620	STORM SEWERS, CLASS A, TYPE 6 36"	FOOT	18	18					
55201300	STORM SEWERS JACKED IN PLACE, 36"	FOOT	68	68					
58700300	CONCRETE SEALER	SO FT	8531		839	7692			
59000200	EPOXY CRACK INJECTION	FOOT	116			116			
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	50		34	16			
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	8			8			
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60218500	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1					
60219000	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	1	1					
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4					
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1					
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1					
60240324	INLETS, TYPE B, TYPE 20 FRAME AND GRATE	EACH	8	8					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G09	

Rev.

14

CODE	DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040	
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	4	4						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	670	670						
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1625	1625						
* 63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	12.5	12.5						
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3						
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1						
63200310	GUARDRAIL REMOVAL	FOOT	685	685						
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	284	284						
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1						
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	6350	6350						
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	15	15						
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6						
67100100	MOBILIZATION	L SUM	1	1						

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-0,418-1	ST. CLAIR	406	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G09	

Rev.

CODE			URBAN	TOTAL	CONSTRUCTION CODE						
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA		270	270						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT		17362	17362						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT		5793	5793						
70400100	TEMPORARY CONCRETE BARRIER	FOOT		2279	2279						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT		2195	2195						
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH		2	2						
70600332	IMPACT ATTENUATORS, RELOCATE (FULLYREDIRECTIVE, NARROW), TEST LEVEL 3	EACH		2	2						
* 72000200	SIGN PANEL - TYPE 2	SQ FT		40				40			
* 72000300	SIGN PANEL - TYPE 3	SQ FT		2534				2534			
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT		9	9						
* 72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT		20	20						
* 72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT		2348	2348						
* 72700200	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY	POUND		447				447			
* 73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE 11-A (4' -6" X 5' -3")	FOOT		159				159			

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET B OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-0,418-1	ST. CLAIR	406	10
CONTRACT NO. 76609				
ILLINOIS FED. AID PROJECT				

Rev.

CODE			URBAN	TOTAL	CONSTRUCTION CODE					
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
* 73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT		120				120		
* 73400100	CONCRETE FOUNDATIONS	CU YD		3				3		
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD		20.9				20.9		
* 73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH		2	2					
* 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH		2	2					
* 78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT		12528	12528					
* 78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT		1850	1850					
* 78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT		846	846					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH		352	352					
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH		19	19					
* 78200510	BARRIER WALL MARKERS, TYPE A	EACH		37	37					
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH		37	37					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH		1	1					
78300100	PAVEMENT MARKING REMOVAL	SQ FT		3700	3700					

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE	SHEET 9 OF 15 SHEETS	STA. TO STA.	F.A.J. RTE. 64	SECTION 82-1.41B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 11
ILLINOIS FED. AID PROJECT							CONTRACT NO. 76G09

Rev.

CODE			TOTAL	CONSTRUCTION CODE						
				90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040	
				URBAN						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	352	352						
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	1300				1300			
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1			
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	253				253			
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1600				1600			
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1				1			
* 81603040	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1865				1865			
* 81603070	UNIT DUCT, 600V, 2-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1325				1325			
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1675				1675			
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3350				3350			
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	12				12			
* 82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	6				6			
* 82600105	NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1				1			
* 83002600	LIGHT POLE, ALUMINUM, 40 FT. M. H., 15 FT. DAVIT ARM	EACH	12				12			

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE	SHEET 10 OF 15 SHEETS	STA.	TO STA.	F.A.I. RTE. 64	SECTION 82-1.418-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 12
ILLINOIS FED. AID PROJECT								CONTRACT NO. 76G09

CODE			URBAN	TOTAL	CONSTRUCTION CODE					
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
* 83502400	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH		1				1		
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT		24				24		
* 83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT		20				20		
* 83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH		4				4		
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH		6				6		
* 84200804	REMOVAL OF POLE FOUNDATION	EACH		3				3		
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH		1				1		
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH		1				1		
* 89502380	REMOVE EXISTING HANDHOLE	EACH		1				1		
<input type="checkbox"/> X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH		41			41			
X0323265	REMOVE EXISTING RIPRAP	SQ YD		2510	2510					
* X0323986	RELOCATE EXISTING VIDEO VEHICLE DETECTOR	EACH		1	1					
X0325316	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD		13,620						13,620
X0325747	BRIDGE DECK CONCRETE CRACK SEALER	FOOT		122			122			
X0325748	ACRYLIC COATING	SQ YD		897			897			

NON-PART. (100% STATE) * SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE	SHEET 11 OF 15 SHEETS	STA. TO STA.	F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 13
ILLINOIS FED. AID PROJECT							

Rev.

CODE			URBAN TOTAL	CONSTRUCTION CODE					
				90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
X0325749	FIBER WRAP	SQ FT	8079			8079			
X2020502	BRACED EXCAVATION	CU YD	55						55
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1926	1926					
X5121800	PERMANENT STEEL SHEET PILING	SO FT	27463						27463
X5210110	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 200K	EACH	12		12				
X5210130	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 300K	EACH	4			4			
X5210140	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 350K	EACH	4			4			
X5210330	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 400K	EACH	6		6				
X5210335	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 450K	EACH	30		30				
X5210345	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 550K	EACH	6		6				
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	109		77	32			
X6011605	PIPE DRAINS 4" (SPECIAL)	FOOT	662						662
X6023102	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1	1					
X6024200	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1	1					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76609	

Rev.

CONSTRUCTION CODE

CODE		URBAN	TOTAL	90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040			
				X7010410	SPEED DISPLAY TRAILER	CAL MO	18	18				
				* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	12528	12528				
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1850	1850								
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	846	846								
* X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	20				20					
* X8420500	REMOVAL OF LIGHT TOWER, SALVAGE	EACH	1				1					
* X8420510	REMOVAL OF TOWER FOUNDATION	EACH	1				1					
XZ137300	TEMPORARY SHORING	L SUM	1			1						
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	779690			779690						
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH	51			51						
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1			1						
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1			1						
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	491			491						
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	59			59						

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1,41B-1	ST. CLAIR	406	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G09	

Rev.

CODE			URBAN	TOTAL	CONSTRUCTION CODE					
					90% FEDERAL 10% STATE URBAN ROADWAY 0001	90% FEDERAL 10% STATE SN 082-0349 BRIDGE 0008	90% FEDERAL 10% STATE SN 082-0010 BRIDGE 0014	90% FEDERAL 10% STATE HIGHWAY LIGHTING TRAFFIC SIGNS 0021	0% FEDERAL 100% STATE URBAN TRAFFIC SIGNS 0021	90% FEDERAL 10% STATE SN 082-W314 RETAINING WALL 0040
Z0013798	CONSTRUCTION LAYOUT		L SUM	1	1					
Z0016200	DECK SLAB REPAIR (PARTIAL)		SQ YD	1.2		1.2				
Z0018002	DRAINAGE SCUPPERS, DS-11		EACH	3	3					
Z0026407	TEMPORARY SHEET PILING		SQ FT	174						174
Z0034212	MECHANICALLY STABILIZED EARTH RETAINING WALL, SPECIAL		SQ FT	20705						20705
Z0034806	MODULAR EXPANSION JOINT-SWIVEL 6"		FOOT	76	76					
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"		FOOT	92	46	46				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE		L SUM	1	1					
Z0065100	SETTLEMENT PLATFORMS		EACH	6	6					
Ø Z0076600	TRAINEES		HOUR	2500	2500					
Ø Z0076604	TRAINEES-TRAINING PROGRAM GRADUATE		HOUR	2500	2500					
X0900001	FURNISHING METAL LARGE DIAMETER PIPE PILES 60" X 1.00"		FOOT	1427		1427				
X0900002	DRIVING LARGE DIAMETER PIPE PILES		FOOT	1427		1427				
X0900003	TEST PILE LARGE DIAMETER PIPE		EACH	2		2				
X0900004	PILE SHOES, LARGE DIAMETER PIPE		EACH	14		14				

3/15/14

3

					CONSTRUCTION CODE						
CODE		UNIT	TOTAL	URBAN		90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	0% FEDERAL 100% STATE	90% FEDERAL 10% STATE
				URBAN	TOTAL	URBAN ROADWAY 0001	SN 082-0349 BRIDGE 0008	SN 082-0010 BRIDGE 0014	HIGHWAY LIGHTING TRAFFIC SIGNS 0021	URBAN TRAFFIC SIGNS 0021	SN 082-W314 RETAINING WALL 0040
X0900005	BAR TERMINATOR	EACH	252				252				
X0900006	HIGH STRENGTH NON-SHRINK GROUT	CU FT	1048				1048				
	PIPE DRAINS FIBERGLASS, 4" (SPECIAL)	FOOT	662								662

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 15	OF 15 SHEETS	STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1,418-1	ST. CLAIR	406	17
ILLINOIS FED. AID PROJECT				CONTRACT NO. 7609

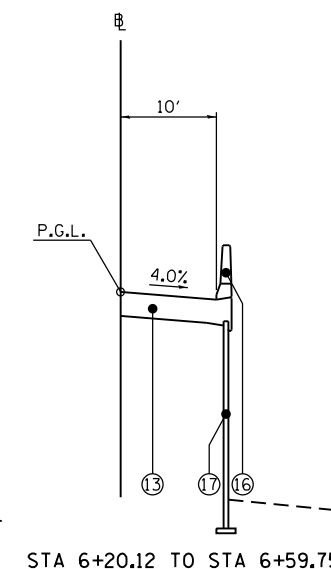
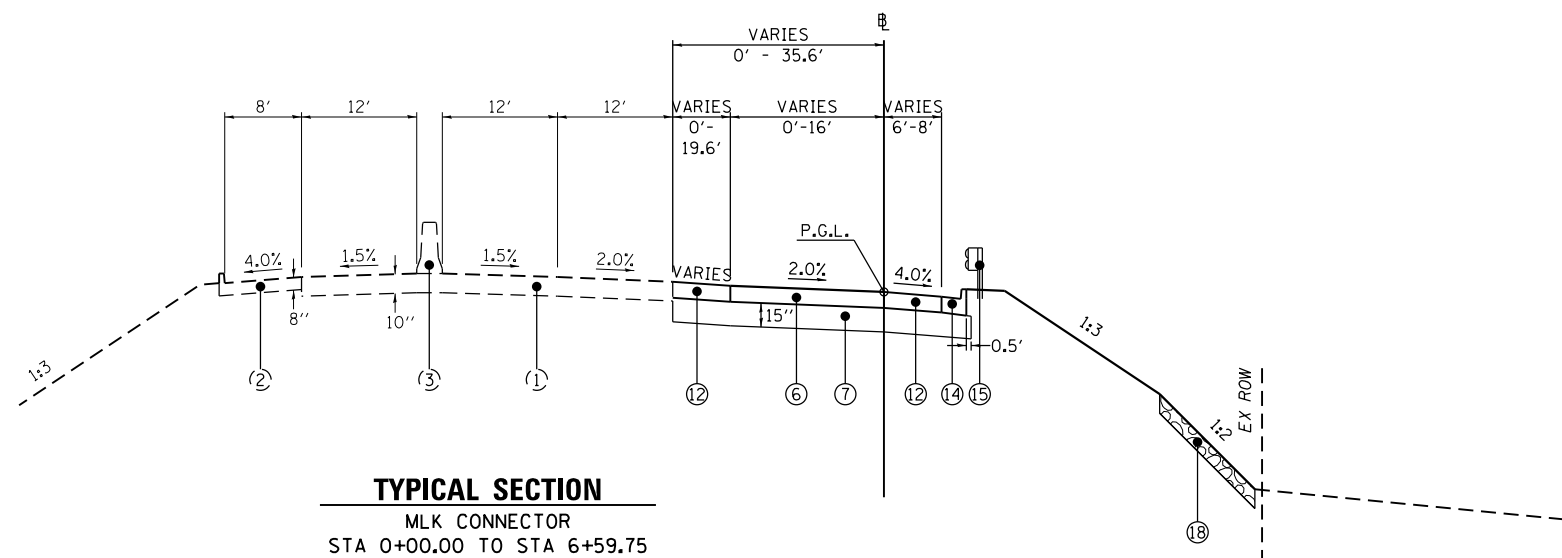
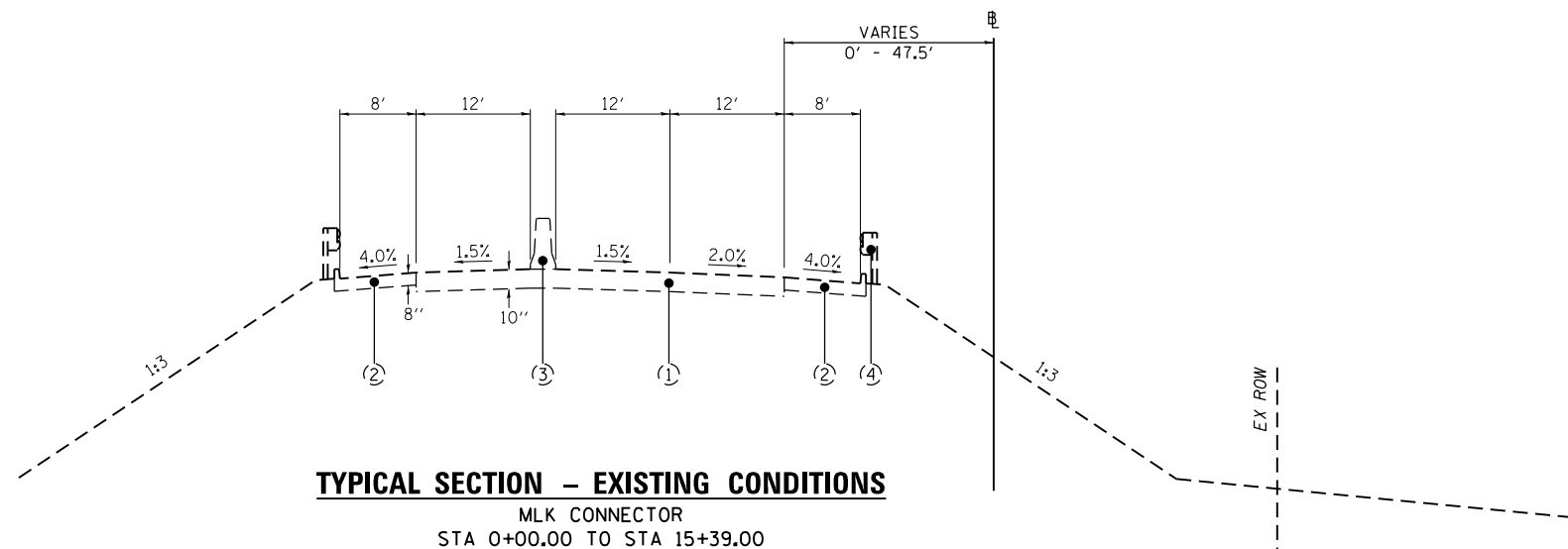
Rev.

LEGEND

- (1) EXISTING PAVEMENT
- (2) EXISTING HMA SHOULDER
- (3) EXISTING CONCRETE BARRIER
- (4) EXISTING GUARDRAIL
- (5) EXISTING STRUCTURE

- (6) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10"
- (7) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- (8) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C, 12"
- (9) PROPOSED AGGREGATE SHOULDERS, TYPE A
- (10) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (11) PROPOSED HOT-MIX ASPHALT SHOULDERS 12"••
- (12) PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 10"
- (13) PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 15" •
- (14) PROPOSED COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- (15) PROPOSED GUARDRAIL
- (16) PROPOSED CIP CONCRETE BARRIER •
- (17) PROPOSED RETAINING WALL
- (18) PROPOSED STONE RIPRAP, CLASS A4

- PAID FOR AS CONCRETE SUPERSTRUCTURES
- TO BE COMPOSED OF
 - 1.5" SURFACE
 - 10.5" BINDER



STRUCTURAL PAVEMENT DESIGN INFORMATION

MLK CONNECTOR

STRUCTURAL DESIGN TRAFFIC: YEAR 2025
 PV = 1913 SU = 79 MU = 259

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 100 S = 100 M = 100

TRAFFIC FACTOR: ACTUAL TF = 3.15 AC TYPE = TYPE NA
 MINIMUM TF = 11.17

PG GRADE: BINDER = NA SURFACE = NA

SUBGRADE SUPPORT RATING:
 SSR = POOR (STA 0+00 TO STA 15+05)

LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfplotlayers.batcf9

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIRIN, INC.
ENGINEERS**

**TYPICAL SECTIONS
MLK CONNECTOR**

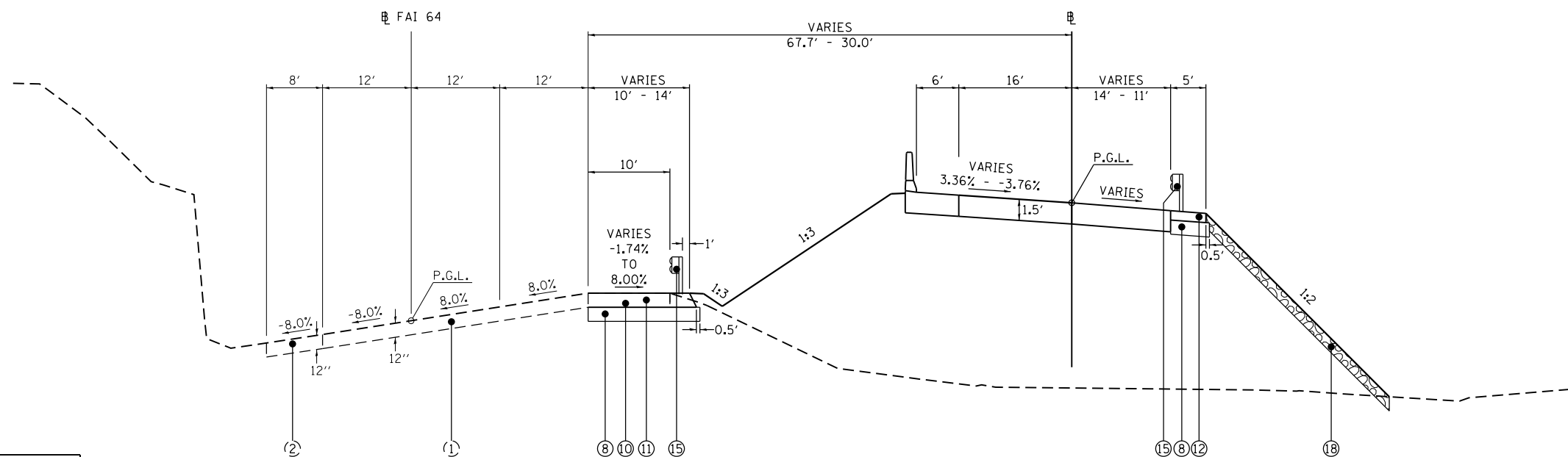
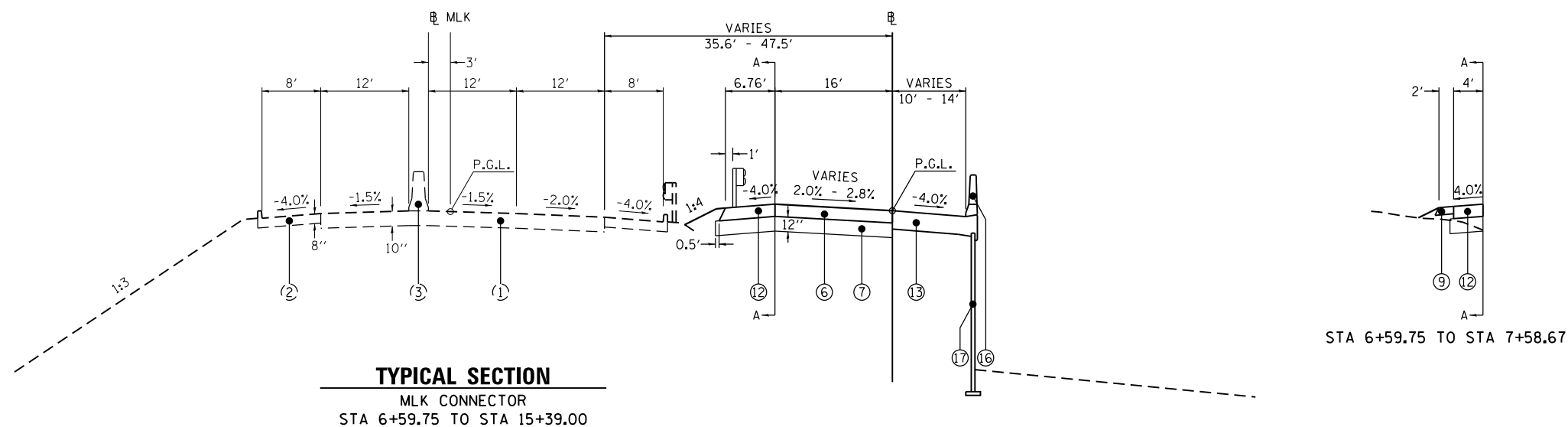
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	18
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING CONCRETE BARRIER
- ④ EXISTING GUARDRAIL
- ⑤ EXISTING STRUCTURE
- ⑥ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10"
- ⑦ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A
- ⑧ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C, 12"
- ⑨ PROPOSED AGGREGATE SHOULDERS, TYPE A
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS 12"••
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 10"
- ⑬ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 15" •
- ⑭ PROPOSED COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- ⑮ PROPOSED GUARDRAIL
- ⑯ PROPOSED CIP CONCRETE BARRIER •
- ⑰ PROPOSED RETAINING WALL
- ⑱ PROPOSED STONE RIPRAP, CLASS A4

- PAID FOR AS CONCRETE SUPERSTRUCTURES
- TO BE COMPOSED OF
1.5" SURFACE
10.5" BINDER



STRUCTURAL PAVEMENT DESIGN INFORMATION

MLK CONNECTOR	
STRUCTURAL DESIGN TRAFFIC:	YEAR 2025
PV = 1913	SU = 79 MU = 259
ROAD/STREET CLASSIFICATION:	CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P = 100 S = 100 M = 100
TRAFFIC FACTOR:	ACTUAL TF = 3.15 AC TYPE = TYPE NA MINIMUM TF = 11.17
PG GRADE:	BINDER = NA SURFACE = NA
SUBGRADE SUPPORT RATING:	SSR = POOR (STA 0+00 TO STA 15+05)

TYPICAL SECTION - SUPERELEVATED
MLK CONNECTOR STA 24+79.00 TO STA 26+38.00
FAI 64 STA 114+86.32 TO STA 117+70.57

LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfplotlayers.batcf9

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIPPIN, INC.
ENGINEERS**

SCALE: NONE

SHEET 2 OF 2 SHEETS STA. TO STA.

TYPICAL SECTIONS
MLK CONNECTOR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	19
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

EARTHWORK						
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		
				CU YD	CU YD	
MLK CONNECTOR	0+00.00 TO 26+63.27	985	741	5482	-4741	
FAI 64	115+00.00 TO 117+70.57	8	7	75	-68	
TOTAL		993	748	5557	4809	
EARTH EXCAVATION		995	FURNISHED EXCAVATION		4810	

TREE REMOVAL			
LOCATION	STATION	TREE REMOVAL	
		ACRE	
MLK CONNECTOR	20+84.60 TO 26+37.98	1.00	
TOTAL			1.00

SEEDING									
LOCATION	SEEDING CLASS 3A	NITROGEN NUTRIENT FERTILIZER	PHOSPHORUS NUTRIENT FERTILIZER	POTASSIUM NUTRIENT FERTILIZER	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 3A	TEMPORARY EROSION CONTROL SEEDING		
							ACRE	POUND	POUND
MLK DRIVE	44+50.24 TO 45+26.19 RT	•	•	•	•	•	•	•	•
MLK CONNECTOR	0+00.00 TO 15+86.40 RT	0.83	75	75	75	1.7	17.63	1680	
	7+35.70 TO 15+39.00 LT						3.76	375	
	24+64.78 TO 26+64.75 RT	0.03	3	3	3	0.1	0.62	45	
FAI 64	115+17.31 TO 117+70.57 LT	0.10	9	9	9	0.2	2.46	150	
TOTAL		0.96	87	87	87	2.0	24.47	2250	
• CALCULATED WITH MLK CONNECTOR PAY		1.00				PAY	24.50		

SETTLEMENT PLATFORMS				
LOCATION	STATION	SETTLEMENT PLATFORMS		
		EACH		
MLK CONNECTOR	7+50.00 0.00 -	1		
	9+00.00 0.00 -	1		
	10+50.00 10.00 RT	1		
	12+00.00 10.00 RT	1		
	13+50.00 10.00 RT	1		
	15+00.00 10.00 RT	1		
TOTAL				6

REMOVAL ITEMS						
LOCATION	STATION	CURB REMOVAL	SIDEWALK REMOVAL	PAVED DITCH REMOVAL	PAVED SHOULDER REMOVAL	REMOVE EXISTING RIPRAP
		FOOT	SQ FT	FOOT	SQ YD	SQ YD
MLK CONNECTOR	0+00.00 TO 51+86.00 RT/LT				616	
	1+03.17 TO 3+73.06 LT	271				
	3+71.57 TO 8+34.26 RT/LT			437		
	4+13.79 TO 7+96.01 RT					2472
	8+02.67 TO 8+26.50 LT					38
MLK DRIVE	44+76.65 TO 45+26.04 RT				8	
	53+60.87 TO 60+48.23 RT	675				
FAI 64	114+67.04 TO 117+70.51 LT				335	
MAIN ST	98+86.47 TO 100+16.59 RT		119			
TOTAL		946	119	437	959	2510

ROW MARKERS			
LOCATION	STATION	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	
		EACH	
MLK RAMP	13+81.58 28.50 RT	1	
MLK RAMP	14+12.08 135+18 RT	1	
MLK RAMP (PE)•	18+98.39 49.00 LT	1	
MLK RAMP (PE)•	19+59.66 41.00 RT	1	
MLK RAMP (PE)•	19+60.68 49.00 LT	1	
MLK RAMP (PE)•	20+26.59 41.00 RT	1	
MLK RAMP	22+68.60 38.58 LT	1	
MLK RAMP	23+52.57 38.58 LT	1	
MLK RAMP	24+11.60 30.58 RT	1	
MLK RAMP	24+18.44 30.58 RT	1	
MLK RAMP	27+95.48 26.58 RT	1	
MLK RAMP	28+58.20 26.58 RT	1	
MLK RAMP	29+17.57 26.58 RT	1	
MLK RAMP	31+69.98 26.58 RT	1	
MLK RAMP	31+86.08 26.58 RT	1	
TOTAL			15

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



SCALE: 1' = 50'

SCHEDULES OF QUANTITIES
 EARTHWORK, TREE REMOVAL, SEEDING, SETTLEMENT PLATFORMS, REMOVAL ITEMS, ROW MARKERS

SHEET NO. 1 OF 3 SHEETS

STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	20
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

PAVING															
LOCATION	STATION			SUB-BASE GRANULAR MATERIAL TYPE A	SUB-BASE GRANULAR MATERIAL TYPE C 12 INCH	BITUMINUS MATERIALS (PRIME COAT)	PCC PAVEMENT, 10 INCH	PROTECTIVE COAT	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	PCC SIDEWALK 4 INCH	AGGREGATE SHOULDER TYPE A	HMA SHOULDERS, 12 INCH	PCC SHOULDERS, 10 INCH	CONCRETE CURB AND GUTTER, TYPE B 6.24	SHOULDER RUMBLE STRIPS, 16 INCH
				TON	SO YD	POUND	SO YD	SO YD	SO YD	SO FT	TON	SO YD	SO YD	FOOT	FOOT
MLK CONNECTOR	0+00.00 TO 6+20.17							423					423		
	0+00.00 TO 6+59.75			1660											
	0+00.00 TO 14+05.75						2310	2310							
	0+00.00 TO 51+44.77 RT							207						620.0	
	3+99.36 TO 14+05.75 LT							915					915		
	6+59.75 TO 7+26.06 LT										6				
	6+59.75 TO 15+02.75			1471											
MLK DRIVE	14+05.75 TO 15+05.75							409	409						
	25+12.65 TO 26+13.38 RT				61			56					56		
	44+76.62 TO 45+25.94 RT			14					17					50.0	
	FAI 64 114+86.32 TO 117+70.57 LT				451	1761						408			284
	MAIN ST 98+86.47 TO 100+16.59 RT							13		119					
TOTAL				3145	512	1761	2310	4350	409	119	6	408	1394	670.0	284

GUARDRAIL																
LOCATION	STATION			STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6B	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	GUARDRAIL MARKERS, TYPE A	BARRIER WALL MARKERS, TYPE A	BARRIER WALL MARKERS, TYPE C	TERMINAL MARKER-DIRECT APPLIED	
				FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH
MLK CONNECTOR	0+00.00 TO 4+63.46 LT									464						
	0+00.00 TO 37+01.80											6	23	23		
	7+08.17 TO 7+60.58 LT									52	1					
	7+35.70 TO 14+83.35 LT			750.0				1								
	7+35.70 TO 25+96.10											8	14	14		
MLK/MLK CONNECTOR	24+94.01 RT						1									
	25+39.74 TO 25+78.54 RT			38.8			1									
MLK DRIVE	44+66.36 TO 5+76.99 RT			637.5			1									
	44+66.36 TO 45+25.72 RT									60		.				
FAI 64	52+62.09 TO 52+87.06 RT			25.0												
	114+81.55 TO 115+88.25 LT									109						
IL RTE 3	115+17.90 TO 116+52.57 LT			137.5					1			4			1	
	622+09.40 TO 622+73.23 LT											1				
	622+22.04 TO 622+47.57 LT			25.0												
622+47.57 TO 622+60.40 LT				12.5	1											
*CALCULATED WITH MLK CONNECTOR				TOTAL	1613.8	12.5	1	3	1	1	685	1	19	37	37	1
				PAY	1625.0											

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PLOT DATE = 8/6/2014 3:04:31 PM	DATE -	REVISIED -	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SCHEDULES OF QUANTITIES
 PAVING, GUARDRAIL

SCALE: 1' = 50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	21
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

SIGNING SCHEDULE

SIGN NUMBER (MUTCD #)	STATION	SIDE	WIDTH FT	HEIGHT FT	AREA SQ FT	SIGN PANEL	SIGN PANEL	REMOVE	REMOVE	REMOVE	TUBULAR	CONCRETE
						TYPE 2 SOFT	TYPE 3 SOFT	SIGN PANEL TYPE 1 SOFT	SIGN PANEL TYPE 2 SOFT	SIGN PANEL TYPE 3 SOFT	STEEL SIGN SUPPORT- BREAKAWAY POUND	
R3-4	50+66.53	RT	3	3	9							
R5-1a	48+69.06	RT	3	2	20							
	45+10.02		25	16.5	413				20			
	45+10.02		13.5	14.5	196					413		
	56+57.34		25	16.5	413					196		
	56+57.34		13.5	14.5	196					413		
	106+71.74		13.5	14.5	196					196		
	106+71.74		13.5	14.5	196					196		
	106+71.74		11.5	15	173					173		
	115+18.01		13.5	14.5	196					196		
	115+18.01		13.5	14.5	196					196		
	115+18.01		11.5	15	173					173		
E5-1	7+55.49	RT	5	6	30		30				326	2
W13-3	43+36.00	RT	4	5	20	20					121	1
R2-1	56+52.97	RT	4	5	20	20						
	35+04.26		10.5	12.5	132		132					
	45+10.02		15.5	15	233		413					
	45+10.02		13.5	14.5	196		196					
	45+10.02		10.5	12.5	132		132					
	56+57.34		15.5	15	233		413					
	56+57.34		13.5	14.5	196		196					
	106+71.74		25	13.5	338		338					
	106+71.74		11.5	15	173		173					
	116+00.00		25	13.5	338		338					
	116+00.00		11.5	15	173		173					
TOTAL						40	2534	9	20	2348	447	3

TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION	SIDE	TEMPORARY	WORK ZONE
		PAVEMENT MARKING LINE 4"	PAVEMENT MARKING REMOVAL
		FOOT	SO FT
FAI-64 (STAGE 1a & 1b)			
3+30.00 TO 5+00.00	LT	170	57
5+00.00 TO 7+32.55	LT	233	78
101+64.28 TO 120+52.78	RT	1889	630
4+14.00 TO 5+00.00	LT	86	29
4+35.00 TO 7+22.19	LT,RT	575	192
5+00.00 TO 7+32.55	LT	233	78
102+61.32 TO 103+86.44	LT	126	42
104+65.65 TO 127+52.78	RT	2288	763
102+61.32 TO 120+52.78	LT	1792	598
103+15.22 TO 104+65.65	LT,RT	301	101
103+15.22 TO 104+65.65	LT,RT	452	151
120+52.78 TO 125+08.72	RT	456	152
120+52.78 TO 125+08.72	CTR	456	152
120+52.78 TO 135+08.72	LT	1456	486
FAI-64 (STAGE 2)			
101+00.84 TO 133+77.70	RT	3277	1093
101+77.71 TO 102+85.00		108	36
101+77.71 TO 102+85.00	RT	108	36
102+00.00 TO 118+77.70	LT	3356	1119
TOTAL		17,362	5793

PAVEMENT MARKING REMOVAL

LOCATION	PAVEMENT	COMMENT
	MARKING REMOVAL SO FT	
MLK DRIVE		
43+39.00 TO 54+27.50	726	
43+39.00 TO 54+27.50	91	SKIP DASH
FAI-64		
100+51.00 TO 135+08.72	2306	
100+51.00 TO 135+08.72	577	SKIP DASH
TOTAL	3700	

PAVEMENT MARKING SCHEDULE

LOCATION	SIDE	PERFORMED PLASTIC PAVEMENT MARKING						RAISED REFLECTIVE PAVEMENT MARKER EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	
		TYPE B LINE 4"		TYPE B LINE 8"		TYPE B LINE 12"				
		WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	FOOT	FOOT			FOOT
MLK DRIVE										
43+39.00 TO 45+00.00	LT	161				161				
43+39.00 TO 54+27.50	RT	273	1089			1362	30	30		
51+85.00 TO 54+27.60	RT	243				243				
MLK CONNECTOR										
0+00.00 TO 6+89.03	LT, CTR						57	57		
0+00.00 TO 15+39.00	RT	1539				1539				
6+60.00 TO 15+39.00	LT		879			879				
3+00.00 TO 6+60.00	LT			720			720			
2+81.21 TO 6+59.03	LT				320		320			
FAI-64										
3+50.00 TO 6+18.00	LT	268				268				
6+18.00 TO 8+00.00	CTR		46			46				
6+18.00 TO 8+00.00	LT, RT	364				364				
28+65.21 TO 37+01.80	LT	846				846				
98+82.93 TO 135+08.72	LT, RT						265	265		
100+51.00 TO 102+50.00	LT, RT	398				398				
100+51.00 TO 102+50.00	LT, RT		50			50				
102+35.60 TO 114+60.00	RT		1225			1225				
102+35.62 TO 114+60.00	RT	921				921				
102+35.62 TO 108+00.00	LT			1130			1130	526		
102+35.62 TO 108+00.00	RT				526					
114+60.00 TO 131+50.00	LT, RT	3380				3380				
114+60.00 TO 131+50.00	LT, RT		846			846				
TOTAL		8393	4135	1850	846	12528	1850	846	352	352

TEMPORARY CONCRETE BARRIER

ROADWAY	FROM STATION (APPROX)	TO STATION (APPROX)	FT (FROM PLANS)
FAI-64 STAGE 1a & 1b			
	3+20.00	5+68.89	249
	4+00.00	6+59.33	260
	101+61.32	103+86.44	226
	104+65.65	109+08.94	444
	109+08.94	120+08.72	1100
TOTAL			2279

RELOCATE TEMPORARY CONCRETE BARRIER

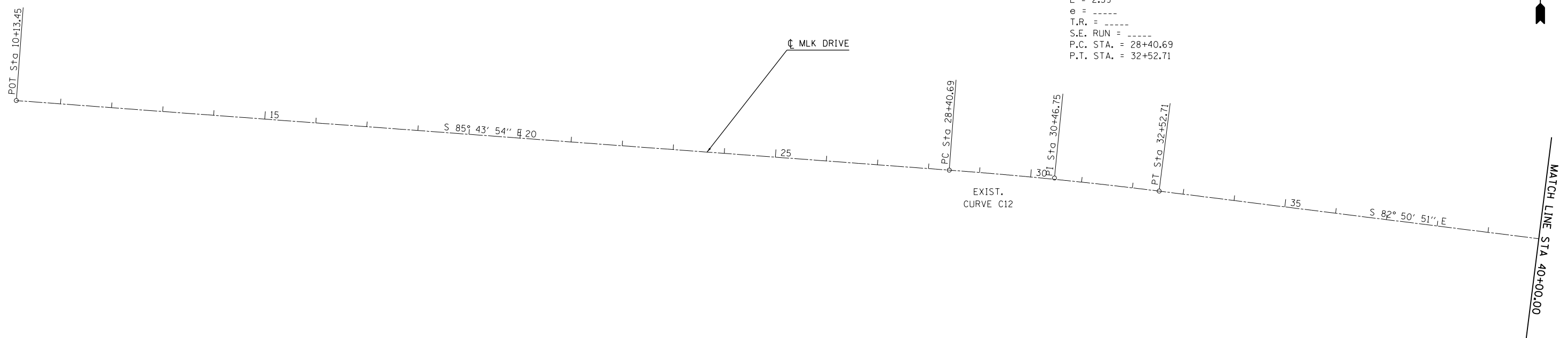
ROADWAY	FROM STATION (APPROX)	TO STATION (APPROX)	FT (FROM PLANS)
FAI-64			
	101+77.71	118+77.70	1700
	113+33.17	118+27.71	495
TOTAL			2195

IMPACT ATTENUATOR

ROADWAY	STATION	SIDE LT/RT	TEMPORARY	RELOCATED
			(FULLY REDIRECTIVE, NARROW) EACH	(FULLY REDIRECTIVE, NARROW) EACH
FAI-64 (STAGE 1a & 1b)	103+86.44	LT	1	
FAI-64 (STAGE 1a & 1b)	120+08.72	LT	1	
FAI-64 (STAGE 2)	118+27.71	LT		1
FAI-64 (STAGE 2)	118+77.70	LT		1
TOTAL			2	2



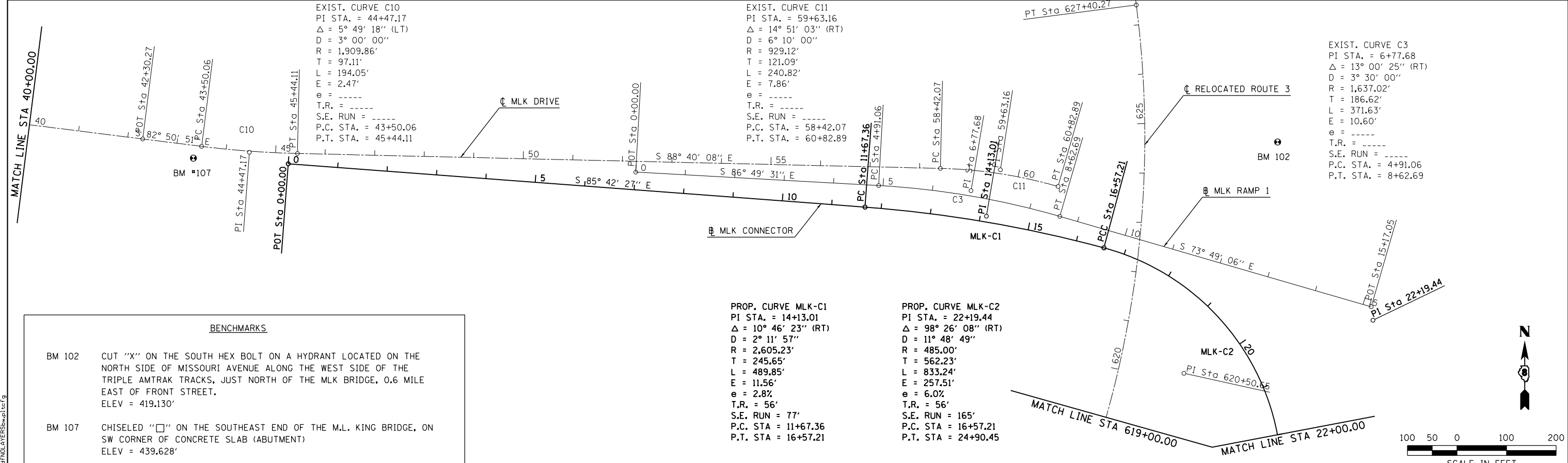
EXIST. CURVE C12
 PI STA. = 30+46.75
 $\Delta = 2^\circ 53' 03''$ (RT)
 $D = 0^\circ 42' 00''$
 $R = 8,185.11'$
 $T = 206.05'$
 $L = 412.02'$
 $E = 2.59'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 28+40.69$
 $P.T. STA. = 32+52.71$



EXIST. CURVE C10
 PI STA. = 44+47.17
 $\Delta = 5^\circ 49' 18''$ (LT)
 $D = 3^\circ 00' 00''$
 $R = 1,909.86'$
 $T = 97.11'$
 $L = 194.05'$
 $E = 2.47'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 43+50.06$
 $P.T. STA. = 45+44.11$

EXIST. CURVE C11
 PI STA. = 59+63.16
 $\Delta = 14^\circ 51' 03''$ (RT)
 $D = 6^\circ 10' 00''$
 $R = 929.12'$
 $T = 121.09'$
 $L = 240.82'$
 $E = 7.86'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 58+42.07$
 $P.T. STA. = 60+82.89$

EXIST. CURVE C3
 PI STA. = 6+77.68
 $\Delta = 13^\circ 00' 25''$ (RT)
 $D = 3^\circ 30' 00''$
 $R = 1,637.02'$
 $T = 186.62'$
 $L = 371.63'$
 $E = 10.60'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 4+91.06$
 $P.T. STA. = 8+62.69$



BENCHMARKS	
BM 102	CUT "X" ON THE SOUTH HEX BOLT ON A HYDRANT LOCATED ON THE NORTH SIDE OF MISSOURI AVENUE ALONG THE WEST SIDE OF THE TRIPLE AMTRAK TRACKS, JUST NORTH OF THE MLK BRIDGE, 0.6 MILE EAST OF FRONT STREET. ELEV = 419.130'
BM 107	CHISELED "□" ON THE SOUTHEAST END OF THE M.L. KING BRIDGE, ON SW CORNER OF CONCRETE SLAB (ABUTMENT) ELEV = 439.628'

PROP. CURVE MLK-C1
 PI STA. = 14+13.01
 $\Delta = 10^\circ 46' 23''$ (RT)
 $D = 2^\circ 11' 57''$
 $R = 2,605.23'$
 $T = 245.65'$
 $L = 489.85'$
 $E = 11.56'$
 $e = 2.8\%$
 $T.R. = 56'$
 $S.E. RUN = 77'$
 $P.C. STA. = 11+57.36$
 $P.T. STA. = 16+57.21$

PROP. CURVE MLK-C2
 PI STA. = 22+19.44
 $\Delta = 98^\circ 26' 08''$ (RT)
 $D = 11^\circ 48' 49''$
 $R = 485.00'$
 $T = 562.23'$
 $L = 833.24'$
 $E = 257.51'$
 $e = 6.0\%$
 $T.R. = 56'$
 $S.E. RUN = 165'$
 $P.C. STA. = 16+57.21$
 $P.T. STA. = 24+90.45$

LAST SAVED = 8/6/2014
 PEN TABLE = 06/14/14
 PLOT DRIVER = pdfnclayers\plottcf9

FILE NAME = X:\1309400-MLK\Cad\T\Plans\006_087600-sh1-ATB-01.dgn	USER NAME = jepettibone	DESIGNED -	REVISED -
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PLOT DATE = 8/6/2014 3:04:32 PM	DATE -	REVISOR -	REVISOR -

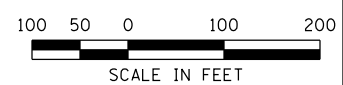
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



ALIGNMENT, TIES, & BENCHMARKS
 MLK CONNECTOR

SCALE: 1" = 100' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	23
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



BENCHMARKS

- BM MW130 CHISELED "X" ON THE NORTH HEX BOLT ON A FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF RIVERPARK DRIVE. AT THE INTERSECTION OF RIVERPARK DRIVE AND DIVISION STREET.
ELEV = 426.657'
- BM MLK-2 CHISELED "□" CENTERED ON TOP OF A CONCRETE HEADWALL OVER 24" RCP CULVERT LOCATED ON THE NORTH SIDE OF THE DOUBLE METROLINK TRACKS JUST EAST OF THE FREIGHT RAILROAD TRACKS AND WEST OF THE SOUTHBOUND I-55/70 OVERPASS, APPROXIMATELY 500' SOUTHWEST OF EAST BROADWAY AND APPROXIMATELY 500' NORTHWEST OF SOUTH MAIN.
ELEV = 405.981'
- BM MLK-3 CUT "□" ON TOP OF CONCRETE BASE ON THE NORTHEAST SIDE OF THE 2ND ROUND CONCRETE COLUMN FROM THE NORTH END OF THE PIER FOR THE SOUTHBOUND LANES OF I-55/70, ON THE WEST SIDE OF SOUTH MAIN STREET.
ELEV = 413.669'

EXIST. CURVE C2
 PI STA. = 118+86.16
 $\Delta = 13^\circ 40' 16''$ (RT)
 $D = 2^\circ 35' 01''$
 $R = 2,217.63'$
 $T = 265.83'$
 $L = 529.14'$
 $E = 15.88'$
 $e = \text{-----}$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 116+20.32
 P.T. STA. = 121+49.47

EXIST. CURVE C1
 PI STA. = 112+16.93
 $\Delta = 30^\circ 31' 52''$ (RT)
 $D = 3^\circ 41' 32''$
 $R = 1,551.83'$
 $T = 423.53'$
 $L = 826.92'$
 $E = 56.76'$
 $e = 8.00\%$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 107+93.40
 P.T. STA. = 116+20.32

EXIST. CURVE C7
 PI STA. = 6+09.24
 $\Delta = 3^\circ 10' 48''$ (RT)
 $D = 1^\circ 11' 55''$
 $R = 4,780.12'$
 $T = 132.68'$
 $L = 265.30'$
 $E = 1.84'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 4+76.55
 P.T. STA. = 7+41.85

PROP. CURVE MLK-C3
 PI STA. = 26+73.36
 $\Delta = 2^\circ 39' 46''$ (RT)
 $D = 0^\circ 43' 41''$
 $R = 7,870.00'$
 $T = 182.91'$
 $L = 365.75'$
 $E = 2.13'$
 $e = \text{N/A}$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 24+90.45
 P.T. STA. = 28+56.21

PROP. CURVE MLK-C4
 PI STA. = 30+88.41
 $\Delta = 16^\circ 26' 14''$ (LT)
 $D = 3^\circ 33' 50''$
 $R = 1,607.71'$
 $T = 232.21'$
 $L = 461.22'$
 $E = 16.68'$
 $e = 8.00\%$
 T.R. = N/A
 S.E. RUN = MATCH EXIST.
 P.C. STA. = 28+56.21
 P.T. STA. = 33+17.43

PROP. CURVE MLK-C5
 PI STA. = 35+09.64
 $\Delta = 2^\circ 07' 09''$ (RT)
 $D = 0^\circ 33' 05''$
 $R = 10,392.27'$
 $T = 192.21'$
 $L = 384.38'$
 $E = 1.78'$
 $e = \text{MATCH EXIST.}$
 T.R. = N/A
 S.E. RUN = MATCH EXIST.
 P.C. STA. = 33+17.43
 P.T. STA. = 37+01.80

EXIST. CURVE C6
 PI STA. = 98+31.64
 $\Delta = 36^\circ 06' 40''$ (RT)
 $D = 10^\circ 09' 58''$
 $R = 563.59'$
 $T = 183.73'$
 $L = 355.21'$
 $E = 29.19'$
 $e = 3.00\%$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 96+47.91
 P.T. STA. = 100+03.12

EXIST. CURVE C4
 PI STA. = 23+80.91
 $\Delta = 24^\circ 24' 26''$ (LT)
 $D = 15^\circ 22' 38''$
 $R = 372.60'$
 $T = 80.58'$
 $L = 158.72'$
 $E = 8.61'$
 $e = \text{NORMAL CROWN}$
 P.C. STA. = 23+00.33
 P.T. STA. = 24+59.05

EXIST. CURVE C8
 PI STA. = 11+88.03
 $\Delta = 1^\circ 56' 21''$ (LT)
 $D = 1^\circ 12' 09''$
 $R = 4,764.55'$
 $T = 80.63'$
 $L = 161.25'$
 $E = 0.68'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 11+07.40
 P.T. STA. = 12+68.65

EXIST. CURVE C9
 PI STA. = 13+89.75
 $\Delta = 4^\circ 43' 18''$ (LT)
 $D = 2^\circ 05' 07''$
 $R = 2,747.55'$
 $T = 113.27'$
 $L = 226.42'$
 $E = 2.33'$
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 12+76.47
 P.T. STA. = 15+02.89

LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfnclayers\plottcf9

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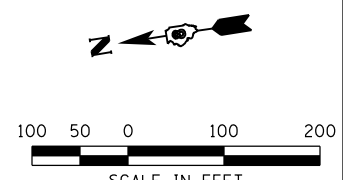
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



ALIGNMENT, TIES, & BENCHMARKS
 MLK CONNECTOR

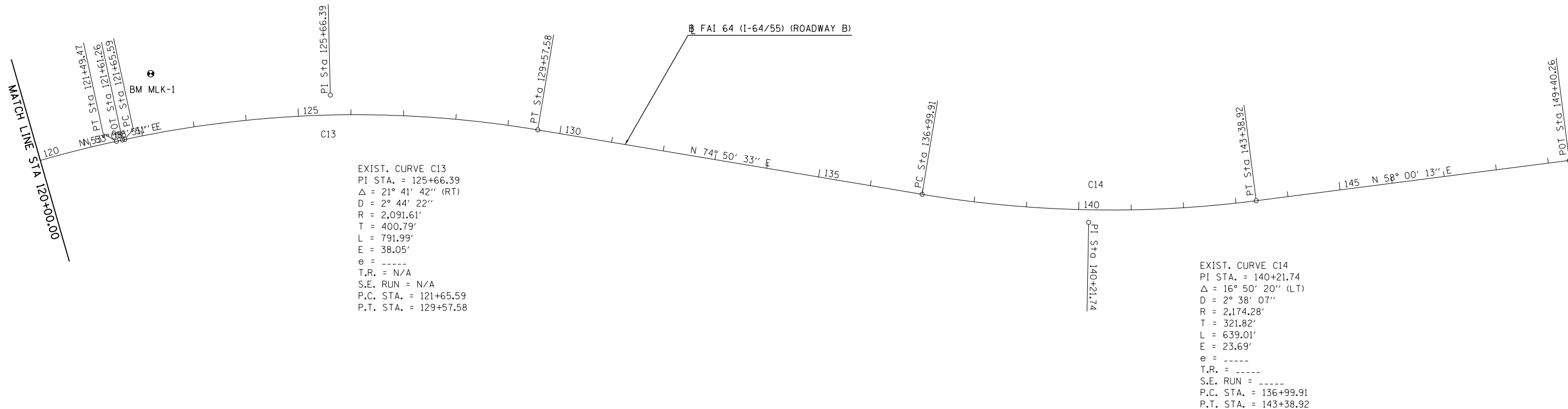
SCALE: 1" = 100' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	24
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



BENCHMARKS

BM MLK-1 CUT "X" ON TOP SOUTHWEST HEX BOLT ON HYDRANT LOCATED NEAR THE NORTHEAST CORNER OF THE MISSOURI AVENUE BRIDGE OVER THE SOUTH I-55/70 LANES, JUST OFF THE SOUTH SIDE OF THE MLK BRIDGE
ELEV = 420.112'



EXIST. CURVE C13
 PI STA. = 125+66.39
 Δ = 21° 41' 42" (RT)
 D = 2° 44' 22"
 R = 2,091.61'
 T = 400.79'
 L = 791.99'
 E = 38.05'
 e = -----
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 121+65.59
 P.T. STA. = 129+57.58

EXIST. CURVE C14
 PI STA. = 140+21.74
 Δ = 16° 50' 20" (LT)
 D = 2° 38' 07"
 R = 2,174.28'
 T = 321.82'
 L = 639.01'
 E = 23.69'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 136+99.91
 P.T. STA. = 143+38.92



LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfnclayers\pltdrvr

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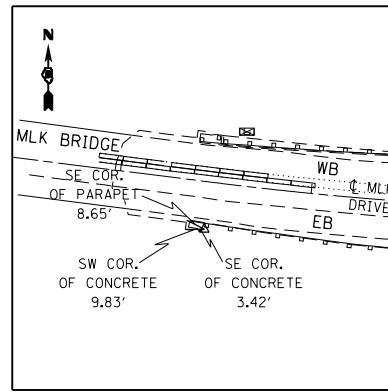
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



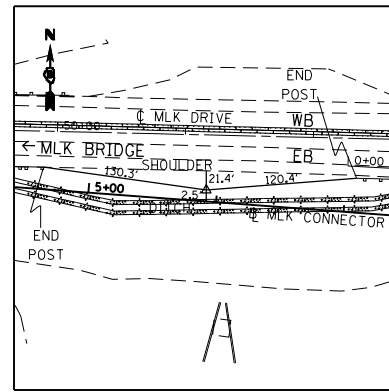
ALIGNMENT, TIES, & BENCHMARKS
MLK CONNECTOR

SCALE: 1" = 100' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

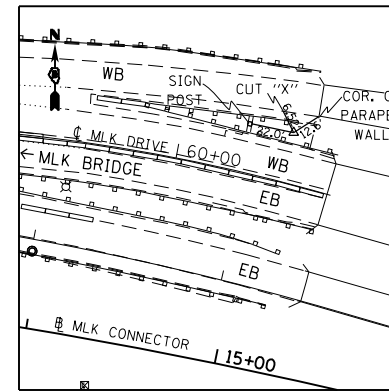
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	25
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



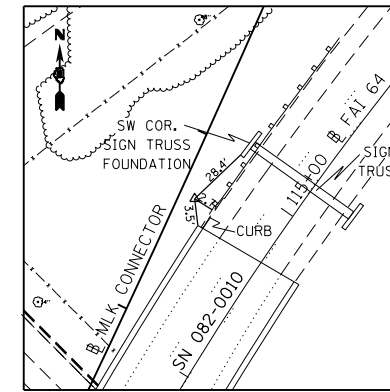
CP 122
 IRON PIN W/ CAP
 14,040,405.5859 N
 2,448,352.9118 E
 STA 43+47.07, 24.79' RT (MLK DRIVE)



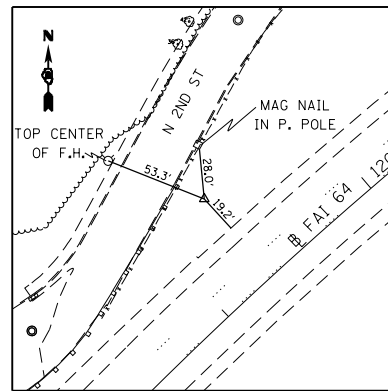
CP 126
 IRON PIN W/ CAP
 14,040,352.7841 N
 2,449,124.2572 E
 STA 5+91.94, 2.50' LT (MLK CONNECTOR)



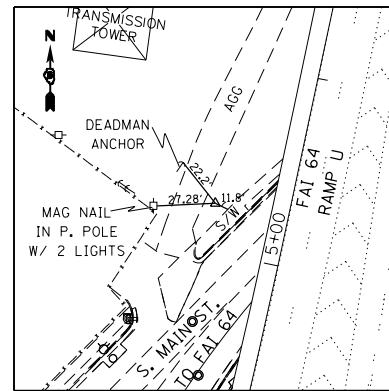
CP 127
 IRON PIN W/ CAP
 14,040,381.4845 N
 2,450,068.1023 E
 STA 60+56.04, 26.46' LT (MLK DRIVE)



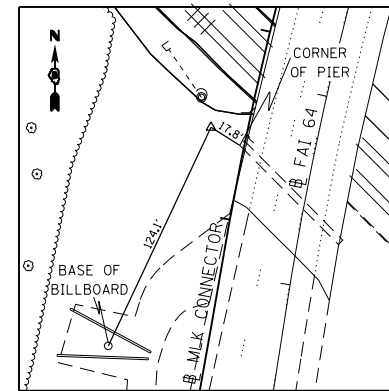
CP 136
 IRON PIN W/ CAP
 14,039,429.7693 N
 2,450,459.0876 E
 STA 114+85.09, 38.40' LT (FAI 64)



CP 137
 IRON PIN W/ CAP
 14,039,781.4889 N
 2,450,750.3950 E
 STA 119+32.13, 53.53' LT (FAI 64)



CP 141
 IRON PIN W/ CAP
 14,038,311.8866 N
 2,450,063.6699 E
 STA 103+13.20, 99.82' LT (FAI 64)



CP 142
 IRON PIN W/ CAP
 14,038,859.2639 N
 2,450,196.7332 E
 STA 32+55.04, 18.95' LT (MLK CONNECTOR)

LAST SAVED = 8/6/2014
 PEN TABLE = 06/14/14
 PLOT DRIVER = pdfnclayers.pltcf9

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

HORNER &
 SHIRIN, INC.
 ENGINEERS

ALIGNMENT, TIES, & BENCHMARKS
 MLK CONNECTOR

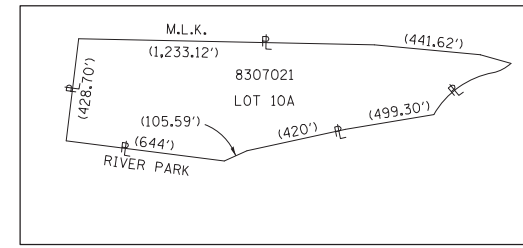
SCALE: 1" = 100'

SHEET NO. 4 OF 4 SHEETS STA. TO STA.

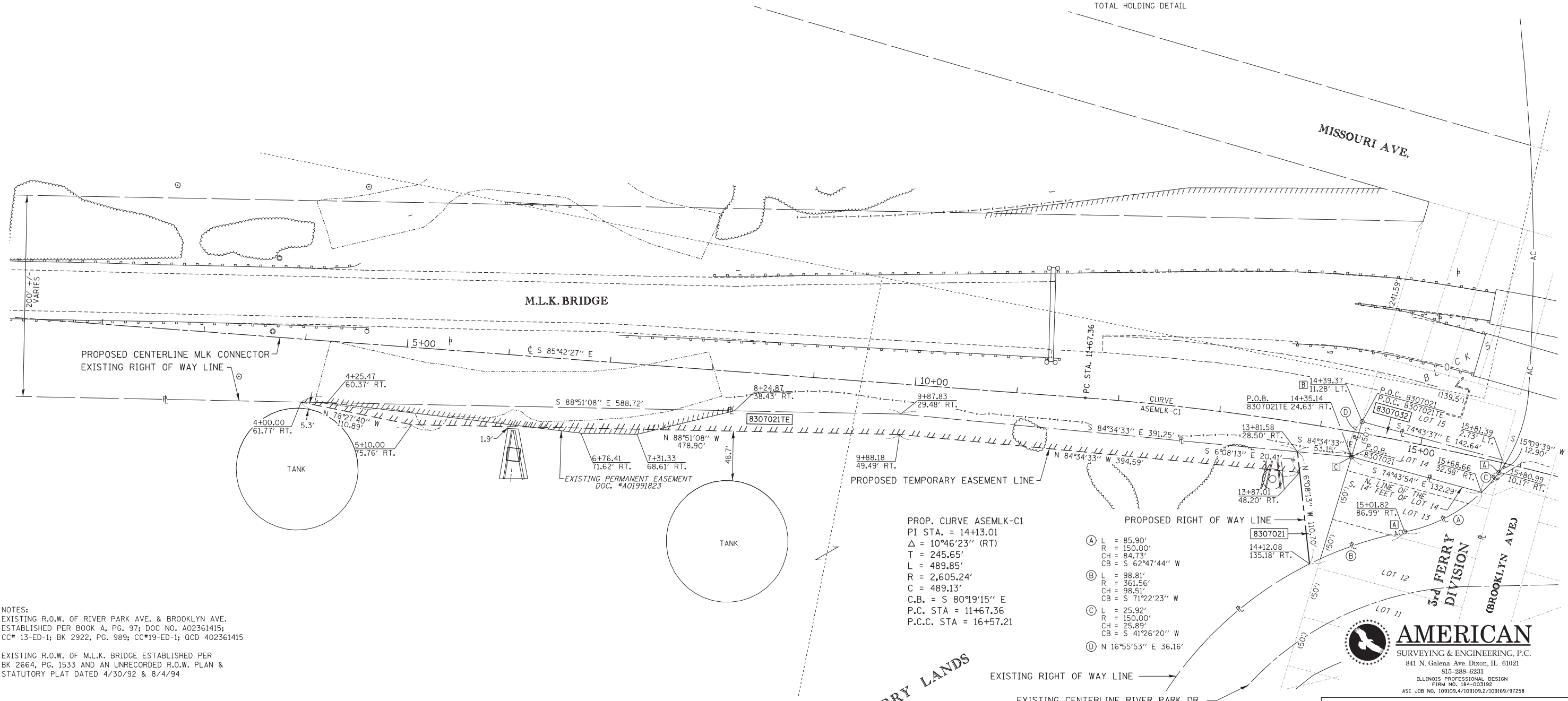
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	26
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

PART SEC. 13 & 14, T2N, R10W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION			REMAINDER	EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	ACRES	SO. FT.		ACRES	ACRES	SO. FT.		
8307021	PETROLEUM FUEL AND TERMINAL COMPANY, A MISSOURI CORP. SC-6578	15.0806	0.2536	11,048	14,8270	0.4255 TE	18,535 TE	CONST. & GRADING	01-14.0-212-002		
8307032	WIGGINS FERRY COMPANY SC-6687	0.1160	0.1160	5,052	0.0000	N/A	N/A	N/A	01-13.0-108-007		



SPACE RESERVED FOR RECORDING OFFICER



PROP. CURVE ASEMLK-C1
 PI STA. = 14+13.01
 $\Delta = 10^\circ 46' 23''$ (RT)
 T = 245.65'
 L = 489.85'
 R = 2,605.24'
 C = 489.13'
 C.B. = S 80°19'15" E
 P.C. STA = 11+67.36
 P.C.C. STA = 16+57.21

- (A) L = 85.90'
R = 150.00'
CH = 84.73'
CB = S 62°47'44" W
- (B) L = 98.81'
R = 361.56'
CH = 98.51'
CB = S 71°22'23" W
- (C) L = 25.92'
R = 150.00'
CH = 25.89'
CB = S 41°26'20" W
- (D) N 16°55'53" E 36.16'

NOTES:
 EXISTING R.O.W. OF RIVER PARK AVE. & BROOKLYN AVE. ESTABLISHED PER BOOK A, PG. 97; DOC NO. A02361415; CC# 13-ED-1; BK 2922, PG. 989; CC#19-ED-1; OCD 402361415
 EXISTING R.O.W. OF M.L.K. BRIDGE ESTABLISHED PER BK 2664, PG. 1533 AND AN UNRECORDED R.O.W. PLAN & STATUTORY PLAT DATED 4/30/92 & 8/4/94

STATE OF ILLINOIS)
) SS
 COUNTY OF)

I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE 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 PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

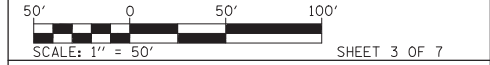
DATED _____
 COVENTINE FIDIS, PLS NO. 35-2159
 LICENSE EXPIRATION DATE: 11/30/2014



DIVISION OF VACANT FERRY LANDS
 LOT 10A
 (P.B. B. PG. 28 & 29)



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
 FAI ROUTE 64 (I-64) (MLK RAMP)
 SECTION 82-(1,4) B-1
 ST. CLAIR COUNTY
 JOB NO. R-98-007-13
 STATION 4+00 TO STATION 16+00



ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			406	27

SEE COORDINATE LIST AND BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COMPLETION DATE OF FIELD WORK PERFORMED		CONTRACT NO.	
LAND SURVEY:	ROW STAKING:	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

PART SEC. 13, T2N, R10W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY			
						ACRES	SQ. FT.			
8307022	CSX TRANSPORTATION CO. and/or NORFOLK SOUTHERN RAILWAY CO. SC-6561	N/A	N/A	N/A	N/A	PE 0.1465 TE-A 0.0313 TE-B 0.0344	PE 6,380 TE-A 1,364 TE-B 1,496	BRIDGE CONST. & MAINT. & CONST. GRADING	01-13.0-508-001	
8307023	ARROW REALTY, INC. SC-6562	1.2850	1.2850	55,973	0.0000	N/A	N/A	N/A	01-13.0-109-017	
8307024	CSX TRANSPORTATION, INC. SC-6566, SC-6567 & SC-6569	0.4390	0.4390	19,123	0.0000	N/A	N/A	N/A	01-13.0-503-004 01-13.0-503-005 01-13.0-503-006	
8307026	MID AMERICA REAL ESTATES AND DEVELOPMENT CORP. SC-6565	0.1532	0.1532	6,673	0.0000	N/A	N/A	N/A	01-13.0-109-008 01-13.0-109-009 01-13.0-109-010	
8307034	CSX TRANS, INC. SC-6568	0.1216	0.1216	5,299	0.0000	N/A	N/A	N/A	01-13.0-503-007	



SPACE RESERVED FOR RECORDING OFFICER

BEARINGS SHOWN HEREON ARE BASED ON THE MISSISSIPPI RIVER CROSSING (MRC) COORDINATE SYSTEM WHICH IS A MODIFIED UNIVERSAL TRANSVERSE MERCATOR (UTM) SYSTEM, ZONE 15 NORTH.

PROP. CURVE ASEMLK-C2
PI STA. = 22+19.44
Δ = 98°26'08" (RT)
T = 562.23'
L = 833.24'
R = 485.00'
C = 734.48'
C.B. = S 25°43'00" E
P.C.C. STA = 16+57.21
P.C.C. STA = 24+90.45

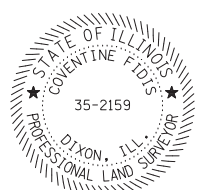
FOUND MONUMENTS
A 1/2" REBAR W/CAP @ COR.
B R.R.S. @ COR.
C 5/8" REBAR W/CAP @ COR.
D 1/2" BENT IR @ COR.
E 1/2" IR 0.08' W.

NOTE:
EXISTING R.O.W. OF FAI RTE. 70
ESTABLISHED PER BOOK 60, PG. 108; CC# 65-736
EXISTING R.O.W. OF M.L.K. BRIDGE/MISSOURI AVE. ESTABLISHED PER BK. 2669, PG. 1533; BK. 2839, PG. 597; CC#92-ED-5
EXISTING R.O.W. OF FAP RTE 788 ESTABLISHED PER DOC #A02396506; #13-ED-10; #98-ED-20; #A01178974

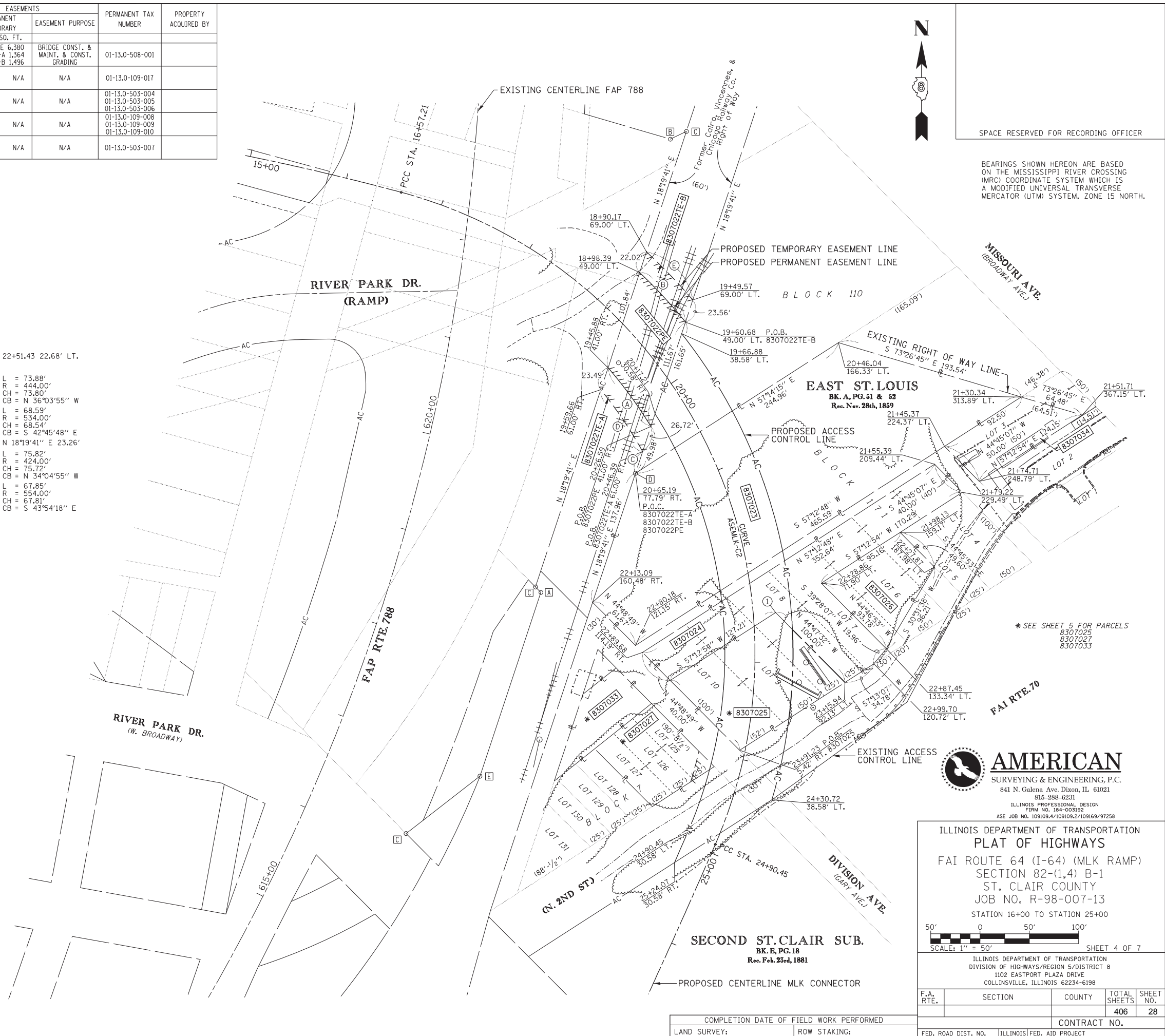
STATE OF ILLINOIS)
) SS
COUNTY OF)

I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE 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 PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____
COVENTINE FIDIS, PLS NO. 35-2159
LICENSE EXPIRATION DATE: 11/30/2014



- (I) 22+51.43 22.68' LT.
- (A) L = 73.88'
R = 444.00'
CH = 73.80'
CB = N 36°03'55" W
- (B) L = 68.59'
R = 534.00'
CH = 68.54'
CB = S 42°45'48" E
- (C) N 18°19'41" E 23.26'
- (D) L = 75.82'
R = 424.00'
CH = 75.72'
CB = N 34°04'55" W
- (E) L = 67.85'
R = 554.00'
CH = 67.81'
CB = S 43°54'18" E



* SEE SHEET 5 FOR PARCELS
8307025
8307027
8307033



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAI ROUTE 64 (I-64) (MLK RAMP)
SECTION 82-(1,4) B-1
ST. CLAIR COUNTY
JOB NO. R-98-007-13
STATION 16+00 TO STATION 25+00

50' 0 50' 100'
SCALE: 1" = 50' SHEET 4 OF 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			406	28

COMPLETION DATE OF FIELD WORK PERFORMED		CONTRACT NO.	
LAND SURVEY:	ROW STAKING:	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

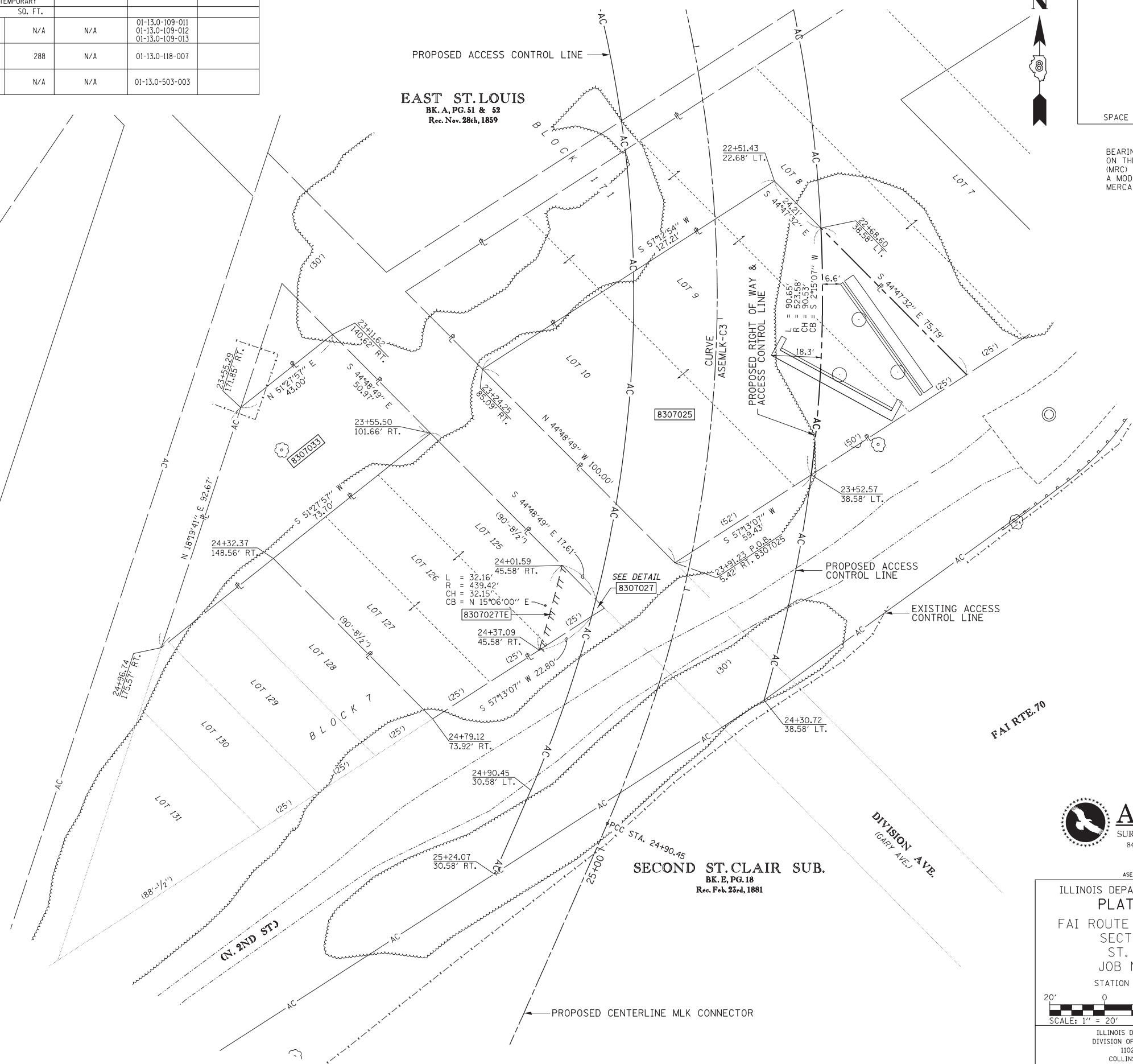
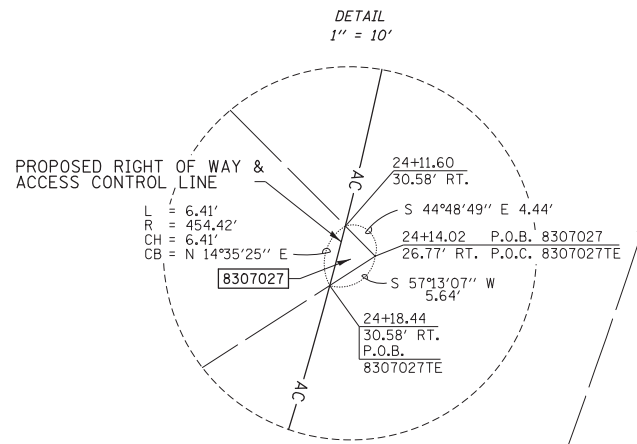
PART SEC. 13, T2N, R10W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING		FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	SO. FT.	ACRES	SO. FT.		PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE		
8307025	GEORGE L. HALENKAMP & JOAN C. HALENKAMP, TRUSTEES SC-6564	0.2856	10.048	0.2307	10.048	0.0549	N/A	N/A	01-13.0-109-011 01-13.0-109-012 01-13.0-109-013	
8307027	ARROW REALTY, INC. SC-6563	0.1456	12	0.0003	12	0.1453	0.0066	288	01-13.0-118-007	
8307033	CSX TRANSPORTATION, INC. SC-6570	0.0984	4,285	0.0984	4,285	0.0000	N/A	N/A	01-13.0-503-003	



SPACE RESERVED FOR RECORDING OFFICER

BEARINGS SHOWN HEREON ARE BASED ON THE MISSISSIPPI RIVER CROSSING (MRC) COORDINATE SYSTEM WHICH IS A MODIFIED UNIVERSAL TRANSVERSE MERCATOR (UTM) SYSTEM, ZONE 15 NORTH.



PROP. CURVE ASEMLK-C2
PI STA. = 22+19.44
Δ = 98°26'08" (RT)
T = 562.23'
L = 833.24'
R = 485.00'
C = 734.48'
C.B. = S 25°43'00" E
P.C.C. STA = 16+57.21
P.C.C. STA = 24+90.45

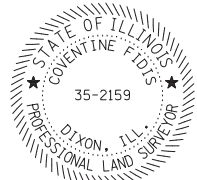
PROP. CURVE ASEMLK-C3
PI STA. = 26+73.36
Δ = 2°39'46" (RT)
T = 182.91'
L = 365.75'
R = 7,869.97'
C = 365.72'
C.B. = S 24°49'57" W
P.C.C. STA = 24+90.45
P.R.C. STA = 28+56.21

NOTE:
EXISTING R.O.W. OF FAI RTE. 70
ESTABLISHED PER BOOK 60, PG. 108

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE 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 PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED



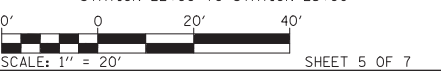
COVENTINE FIDIS, PLS NO. 35-2159
LICENSE EXPIRATION DATE: 11/30/2014



ILLINOIS PROFESSIONAL DESIGN
FIRM NO. 184-003192
ASE JOB NO. 109109.4/109109.2/109169/97258

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS

FAI ROUTE 64 (I-64) (MLK RAMP)
SECTION 82-(1,4) B-1
ST. CLAIR COUNTY
JOB NO. R-98-007-13
STATION 22+00 TO STATION 25+00



ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			406	29
CONTRACT NO.				

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PART SEC. 13 & 14, T2N, R10W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION			REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	ACRES	SO. FT.		ACRES	ACRES		
8307028	CBS OUTDOOR INC. SC-6579	0.6531	A 0.0135 B 0.0351	A 590 B 1,528		0.6045	TE-A 0.0301 TE-B 0.0642	TE-A 1,309 TE-B 2,796	CONST. & GRADING	01-13.0-133-001
8307029	CBS OUTDOOR INC. SC-6763	0.0285	0.0093	406		0.0192	TE 0.0116	TE 503	CONST. & GRADING	01-13.0-133-001
8307031	BI-STATE DEVELOPMENT AGENCY SC-6683	0.2107	NA	NA		0.2107	PE 0.0072 TE 0.0064	PE 311 TE 278	BRIDGE CONST. & MAINT. & CONST. GRADING	01-13.0-600-001(p)
8307035	CHARLES VOLLMAN DBA VOLLMAN ADVERTISING SC-6755	0.0412	0.0045	197		0.0367	TE 0.0082	TE 356	CONST. & GRADING	01-13.0-133-001(p)



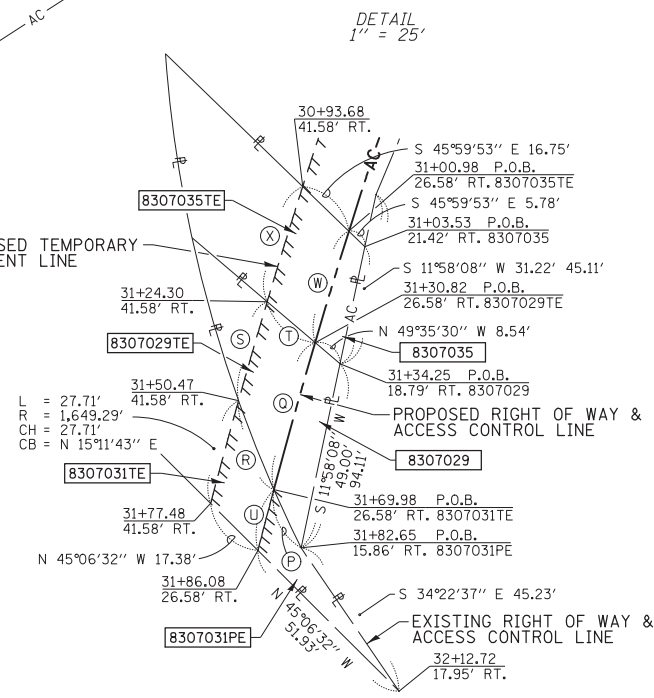
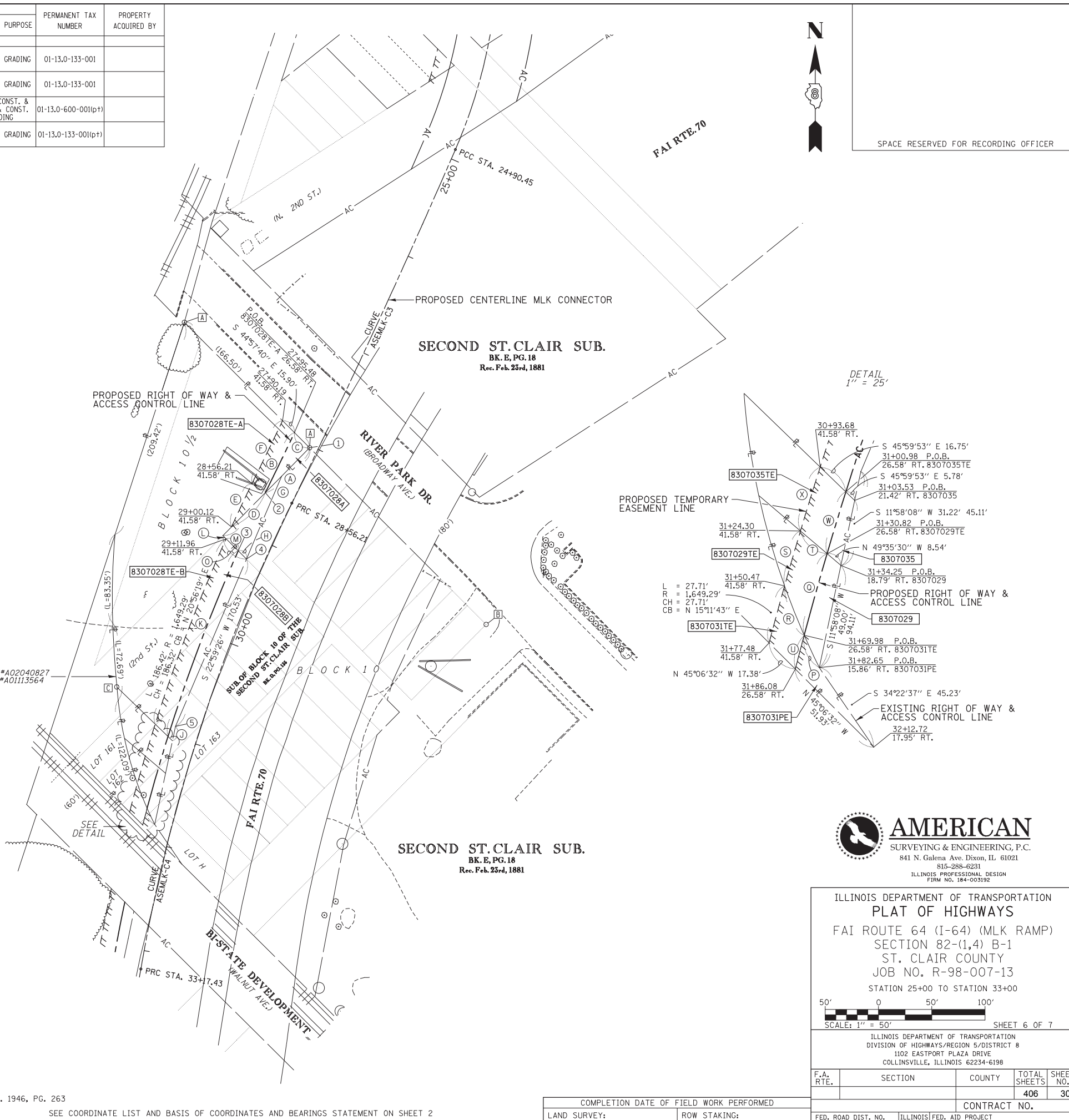
SPACE RESERVED FOR RECORDING OFFICER

- (A) S 44°39'05" W 59.11'
- (B) L = 62.55'
R = 7,843.42'
CH = 62.55'
CB = N 25°57'01" E
- (C) S 44°57'40" E 20.06'
- (D) S 44°39'05" W 45.36'
- (E) L = 45.05'
R = 1,649.29'
CH = 45.05'
CB = N 25°22'52" E
- (F) L = 65.67'
R = 7,828.42'
CH = 65.66'
CB = N 25°55'25" E
- (G) S 44°39'05" W 115.84'
- (H) S 45°00'21" W 10.96'
- (J) S 11°58'08" W 13.89'
- (K) L = 186.44'
R = 1,634.29'
CH = 186.34'
CB = N 20°42'30" E
- (L) S 45°00'21" W 4.21'
- (M) S 45°00'21" W 16.06'
- (N) S 45°00'21" E 31.22'
- (P) L = 16.73'
R = 346.00'
CH = 16.73'
CB = N 25°06'01" W
- (Q) L = 39.81'
R = 1,634.29'
CH = 39.81'
CB = N 15°40'45" E
- (R) L = 24.94'
R = 346.00'
CH = 24.94'
CB = N 21°38'59" W
- (S) L = 26.84'
R = 1,649.29'
CH = 26.84'
CB = N 16°08'34" E
- (T) S 49°35'30" E 16.41'
- (U) L = 16.37'
R = 1,634.29'
CH = 16.37'
CB = N 14°41'40" E
- (W) L = 30.33'
R = 1,634.29'
CH = 30.33'
CB = N 16°54'31" E
- (X) L = 31.42'
R = 1,649.29'
CH = 31.42'
CB = N 17°09'17" E

- (1) 28+02.12 7.65' RT.
P.O.B. 8307028A
P.O.C. 8307028B
P.O.C. 8307028TE-A
P.O.C. 8307028TE-B
P.O.C. 8307029
P.O.C. 8307029TE
P.O.C. 8307031PE
P.O.C. 8307031TE
P.O.C. 8307035
P.O.C. 8307035TE
- (2) 28+58.20 26.58' RT.
- (3) 29+17.57 26.58' RT.
- (4) 29+21.46 16.36' RT. P.O.B. 8307028B
- (5) 30+89.90 22.78' RT.

PROP. CURVE ASEMLK-C3
PI STA. = 26+73.36
Δ = 2°39'46" (RT)
T = 182.91'
L = 365.75'
R = 7,869.97'
C = 365.72'
C.B. = S 24°49'57" W
P.R.C. STA. = 24+90.45
P.R.C. STA. = 28+56.21

PROP. CURVE ASEMLK-C4
PI STA. = 30+88.41
Δ = 16°26'14" (LT)
T = 232.21'
L = 461.22'
R = 1,607.71'
C = 459.64'
C.B. = S 17°56'42" W
P.R.C. STA. = 28+56.21
P.R.C. STA. = 33+17.43

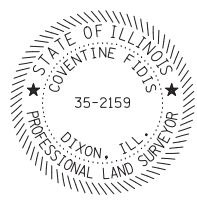


STATE OF ILLINOIS)
) SS
COUNTY OF)

I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE 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 PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED

COVENTINE FIDIS, PLS NO. 35-2159
LICENSE EXPIRATION DATE: 11/30/2012



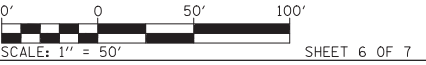
- FOUND MONUMENTS
- (A) 1/2" IR W/CAP @ COR.
 - (B) I PIPE @ COR.
 - (C) I PIN ON LINE & 0.26' W.

NOTE:
EXISTING R.O.W. OF FAI RTE. 70
ESTABLISHED PER BOOK 60, PG. 108; BK. 1946, PG. 263

SEE COORDINATE LIST AND BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAI ROUTE 64 (I-64) (MLK RAMP)
SECTION 82-(1,4) B-1
ST. CLAIR COUNTY
JOB NO. R-98-007-13
STATION 25+00 TO STATION 33+00



ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

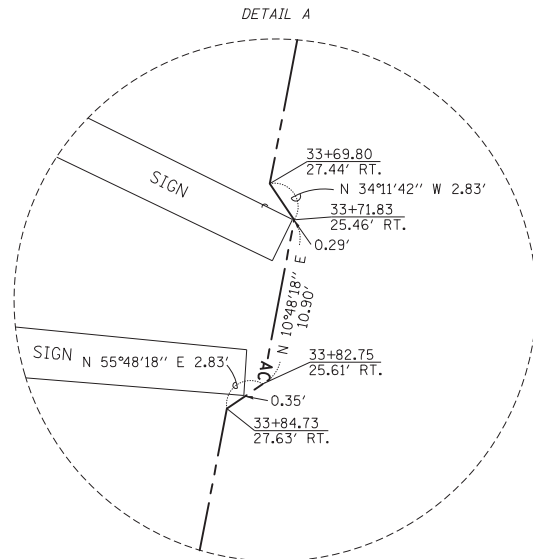
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			406	30
COMPLETION DATE OF FIELD WORK PERFORMED			CONTRACT NO.	
LAND SURVEY:	ROW STAKING:	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	REV:

PART SEC. 13, T.2N, R.10W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

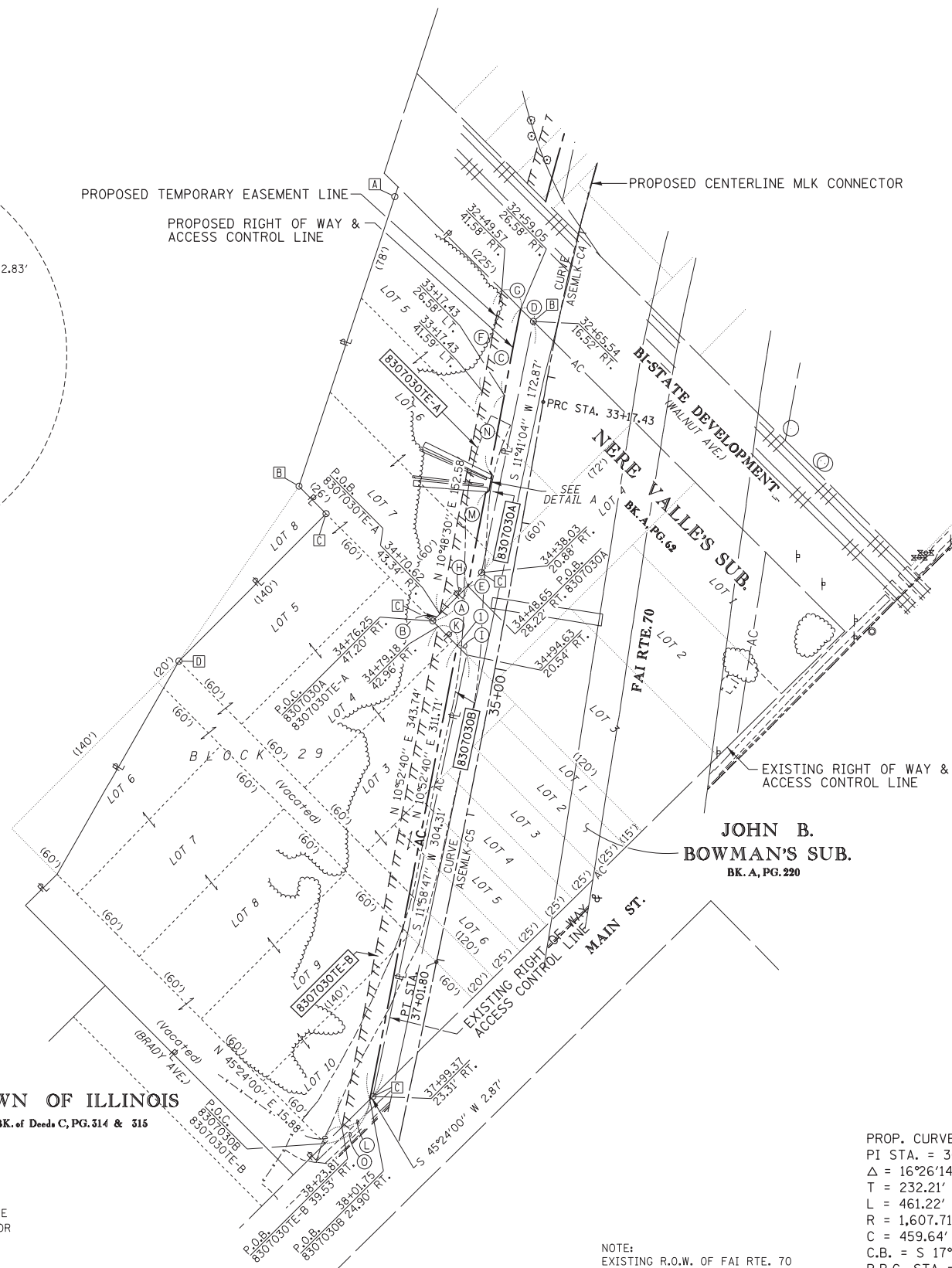
PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SO. FT.		ACRES	SO. FT.		
8307030	TERMINAL RAILROAD ASSOCIATION OF ST. LOUIS, A MISSOURI CORP. SC-6681 & SC-6682	2.2388	A 0.0354 B 0.0323	A 1,544 B 1,406	2.1711	TE-A 0.0716 TE-B 0.1129	TE-A 3,120 TE-B 4,916	01-13.0-512-023 01-13.0-512-024 01-13.0-512-025	



SPACE RESERVED FOR RECORDING OFFICER



- (A) N 45°08'17" E 33.41'
 - (B) N 45°08'17" E 6.80'
 - (C) L = 59.34'
R = 1,634.29'
CH = 59.34'
CB = N 10°46'00" E
 - (D) S 45°10'10" E 12.02'
 - (E) S 45°08'17" W 12.93'
 - (F) L = 69.61'
R = 1,649.30'
CH = 69.61'
CB = N 10°56'08" E
 - (G) S 45°10'10" E 17.86'
 - (H) S 45°08'17" W 26.61'
 - (I) S 44°50'53" E 9.05'
 - (K) S 44°50'53" E 18.15'
 - (L) S 45°24'00" W 26.47'
 - (M) N 10°48'18" E 63.75'
 - (N) N 10°48'18" E 52.24'
 - (O) N 45°24'00" E 42.35'
- (1) 34+89.50 28.00' RT.



TOWN OF ILLINOIS
BK. of Deeds C, PG. 514 & 515

- FOUND MONUMENTS
- (A) IP W/CAP "METR-LINK" ROW ON LINE
 - (B) 5/8" REBAR BENT @ COR.
 - (C) 5/8" REBAR W/CAP @ COR.
 - (D) 5/8" REBAR @ COR.

PROP. CURVE ASEM-LK-C4
PI STA. = 30+88.41
Δ = 16°26'14" (LT)
T = 232.21'
L = 461.22'
R = 1,607.71'
C = 459.64'
C.B. = S 17°56'42" W
P.R.C. STA = 28+56.21
P.R.C. STA = 33+17.43

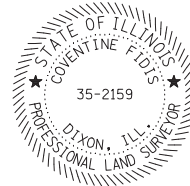
PROP. CURVE ASEM-LK-C5
PI STA. = 35+09.64
Δ = 2°07'09" (RT)
T = 192.21'
L = 384.38'
R = 10,392.22'
C = 384.36'
C.B. = S 10°47'10" W
P.R.C. STA = 33+17.43
P.T. STA = 37+01.80

NOTE:
EXISTING R.O.W. OF FAI RTE. 70
ESTABLISHED PER BK. 60, PG. 108;
BK. 1946, PG. 263

STATE OF ILLINOIS)
) SS
COUNTY OF)

I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE 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 PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

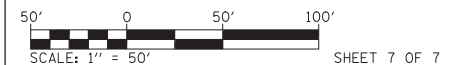
DATED _____



COVENTINE FIDIS, PLS NO. 35-2159
LICENSE EXPIRATION DATE: 11/30/2014



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAI ROUTE 64 (I-64) (MLK RAMP)
SECTION 82-(1,4) B-1
ST. CLAIR COUNTY
JOB NO. R-98-007-13
STATION 32+00 TO STATION 38+24



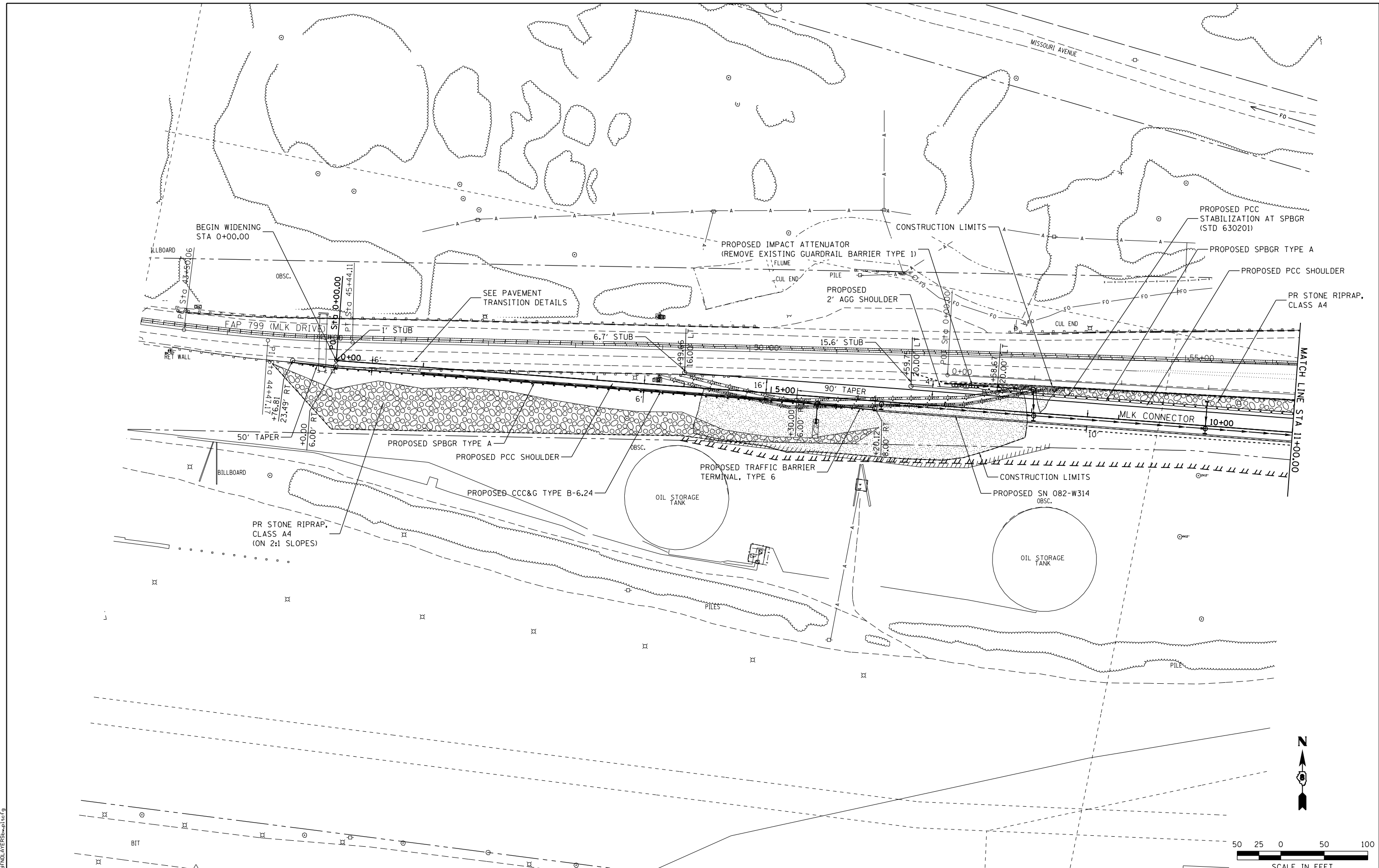
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			406	31

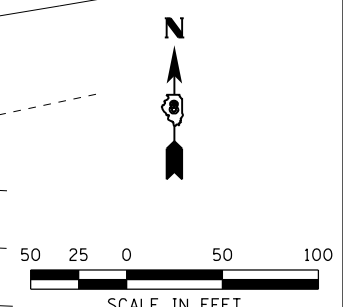
CONTRACT NO. _____
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	ROW STAKING:

SEE COORDINATE LIST AND BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2



LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfnclayers\shd\stcf



FILE NAME = X:\1309400-MLK\Cad\T\Plans\012_0876G09	USER NAME = jepettibone	DESIGNED -	REVISED -
	shd-MLK plan-01.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/6/2014 3:04:34 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

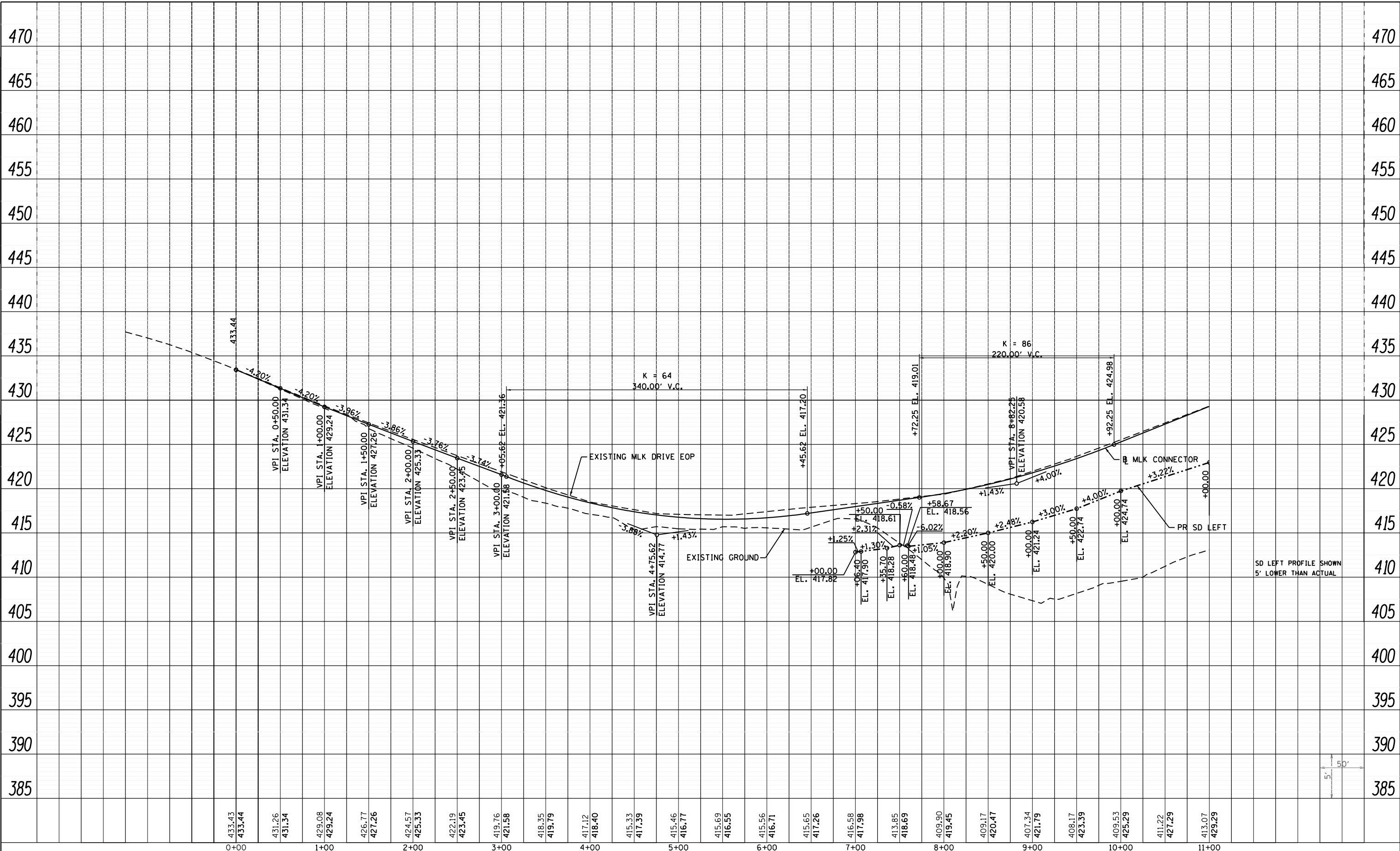


PLAN
 MLK CONNECTOR
 STA. 0+00.00 TO STA. 11+00.00
 SCALE: 1" = 50'
 SHEET NO. 1 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	32
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

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



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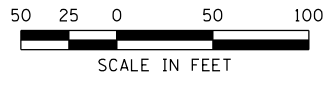
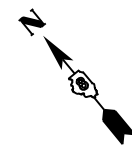
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROFILE	
MLK CONNECTOR	
SCALE: 50H:5V	SHEET NO. 2 OF 7 SHEETS
STA. 0+00.00	TO 11+00.00

F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 33
CONTRACT NO. 76009			ILLINOIS FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

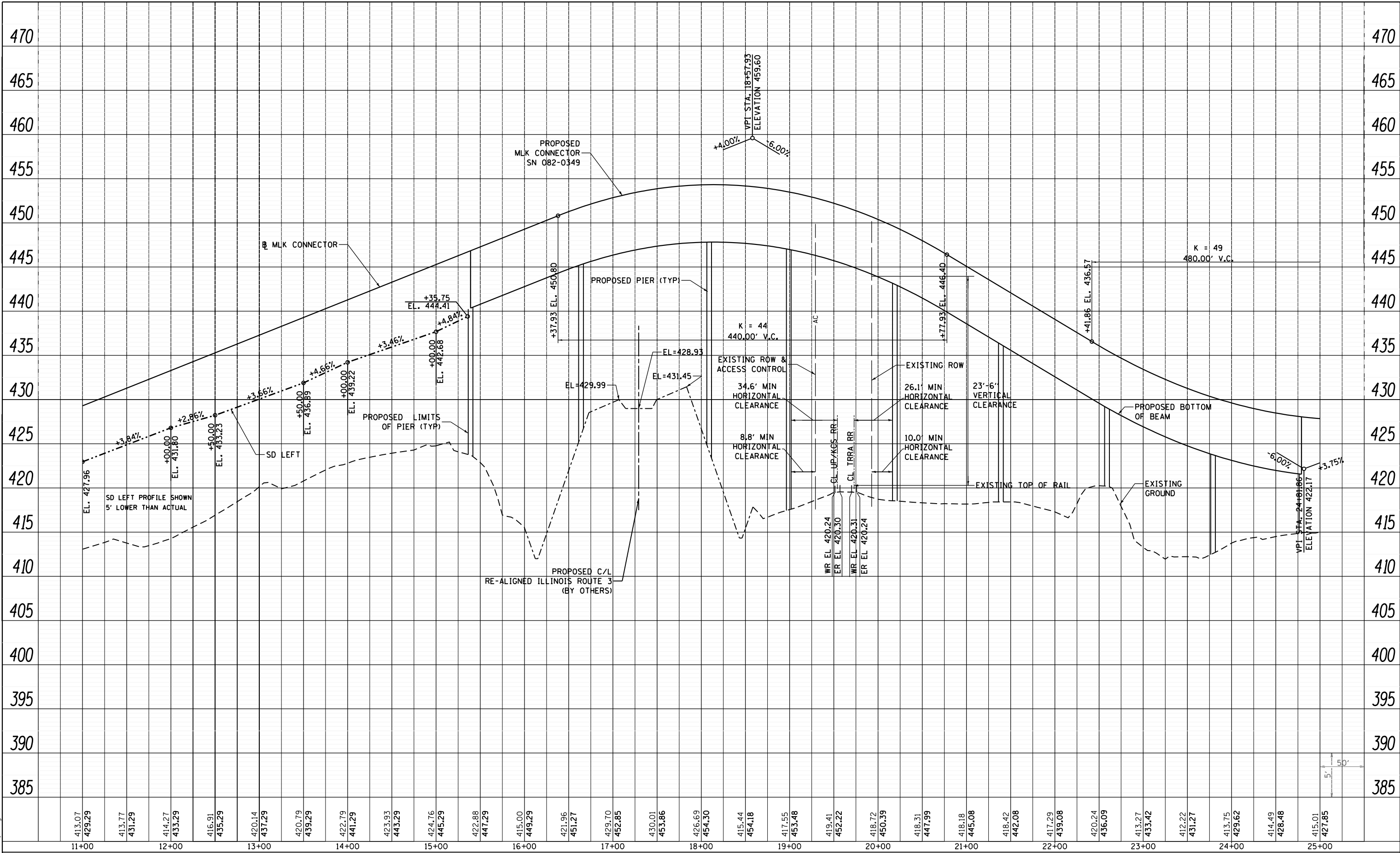


PLAN
 MLK CONNECTOR
 SCALE: 1" = 50'
 SHEET NO. 3 OF 7 SHEETS
 STA. 11+00.00 TO STA. 25+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	34
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	
	NOTE BOOK	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
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	NOTE BOOK	
	CARD FILE NAME	



413.07	429.29	413.77	431.29	414.27	433.29	416.91	435.29	420.14	437.29	420.79	439.29	422.79	441.29	423.93	443.29	424.76	445.29	422.88	447.29	415.00	449.29	421.96	451.27	429.70	452.85	430.01	453.86	426.69	454.30	415.44	454.18	417.55	453.48	419.41	452.22	418.72	450.39	418.31	447.99	418.18	445.08	418.42	442.08	417.29	439.08	420.24	436.09	413.27	433.42	412.22	431.27	413.75	429.62	414.49	428.48	415.01	427.85
11+00		12+00		13+00		14+00		15+00		16+00		17+00		18+00		19+00		20+00		21+00		22+00		23+00		24+00		25+00																													

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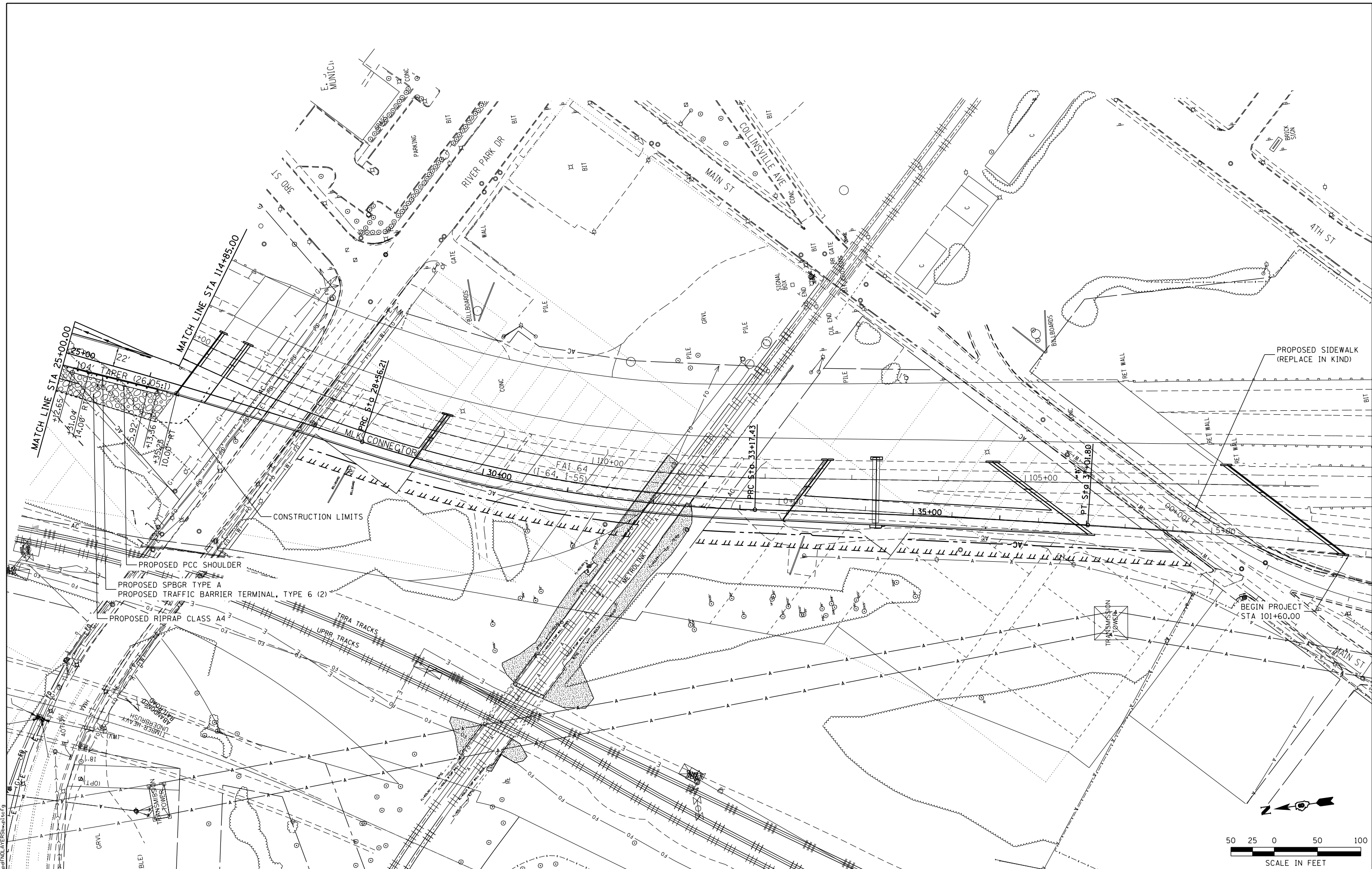
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROFILE	MLK CONNECTOR
SCALE: 50H:5V	SHEET NO. 4 OF 7 SHEETS
STA. 11+00.00 TO STA. 25+00.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	35
CONTRACT NO. 76009			ILLINOIS FED. AID PROJECT	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



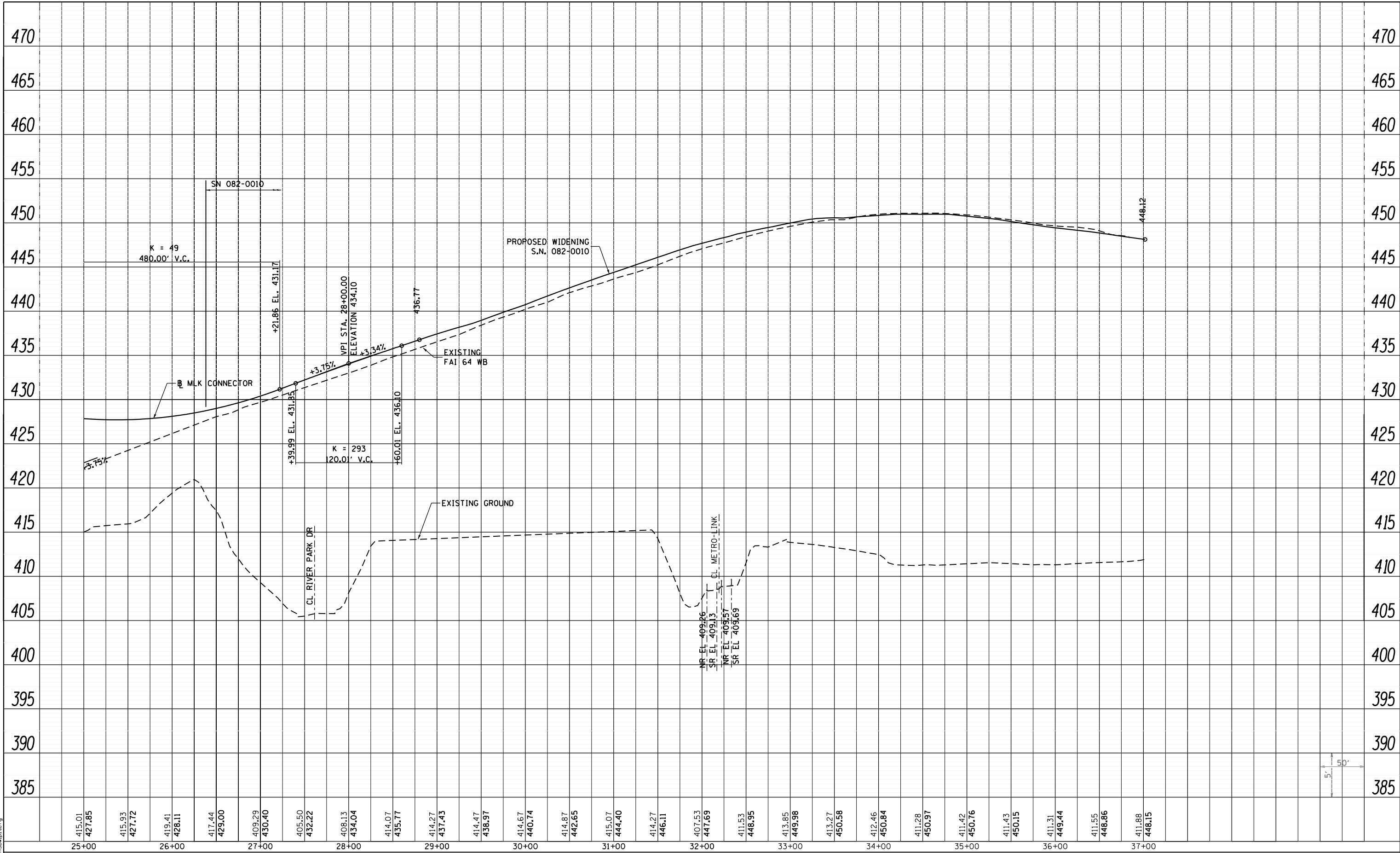
PLAN
 MLK CONNECTOR

SCALE: 1" = 50'
 SHEET NO. 5 OF 7 SHEETS
 STA. 25+00.00 TO STA. 37+01.80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	36
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	NOTE BOOK NO.		
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PROFILE	SURVEYED	BY	DATE
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	NOTE BOOK NO.		
	CARD FILE NAME		



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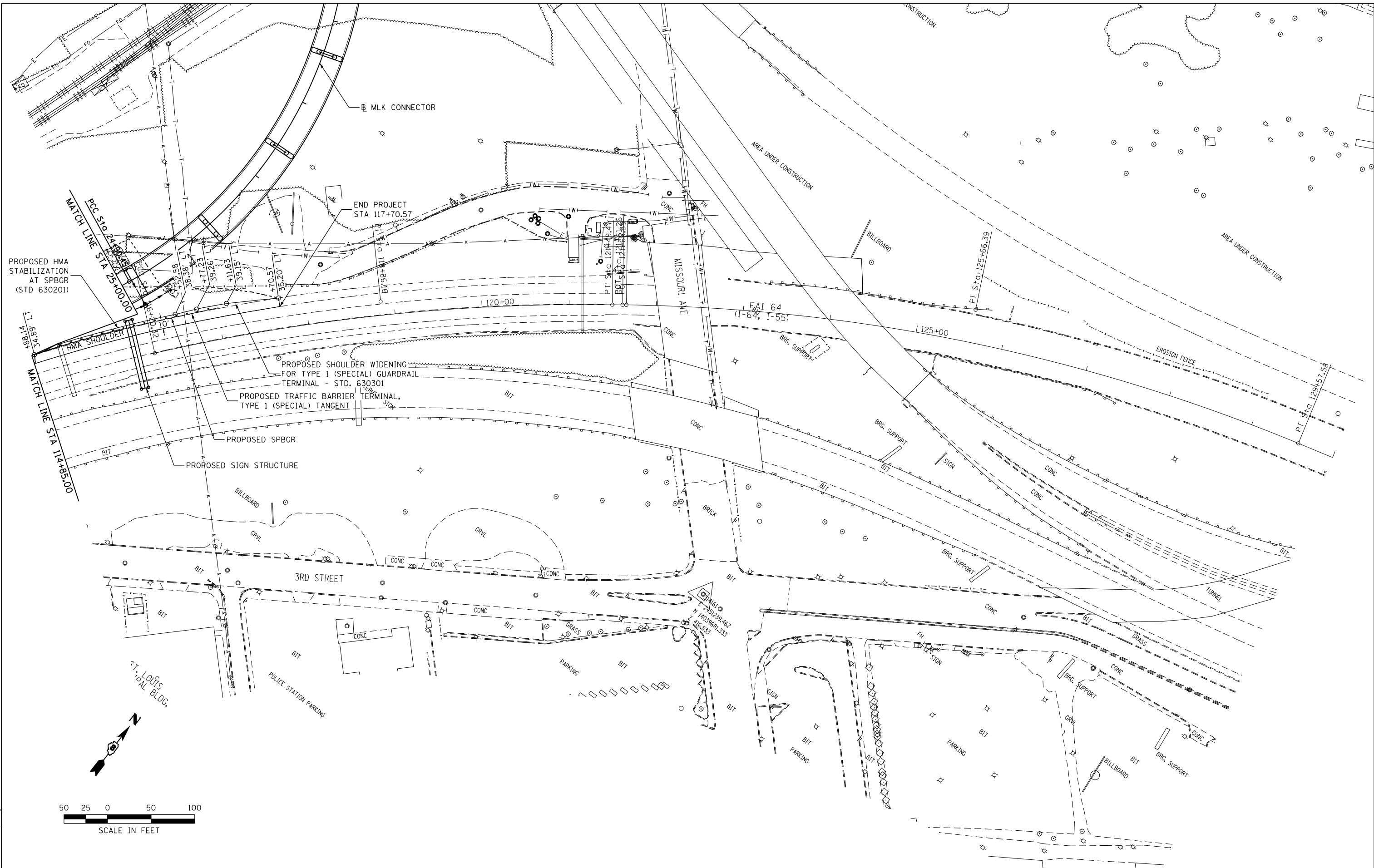
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



SCALE: 50H:5V

PROFILE
 MLK CONNECTOR
 SHEET NO. 6 OF 7 SHEETS
 STA. 25+00.00 TO STA. 34+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	37
CONTRACT NO. 76009			ILLINOIS FED. AID PROJECT	



PROPOSED HMA STABILIZATION AT SPBGR (STD 630201)

END PROJECT STA 117+70.57

PROPOSED SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL - STD. 630301

PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

PROPOSED SPBGR

PROPOSED SIGN STRUCTURE

3RD STREET

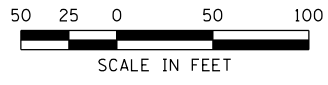
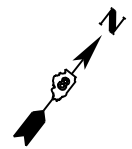
ST. LOUIS POLICE BLDG.

POLICE STATION PARKING

PARKING

PARKING

PARKING



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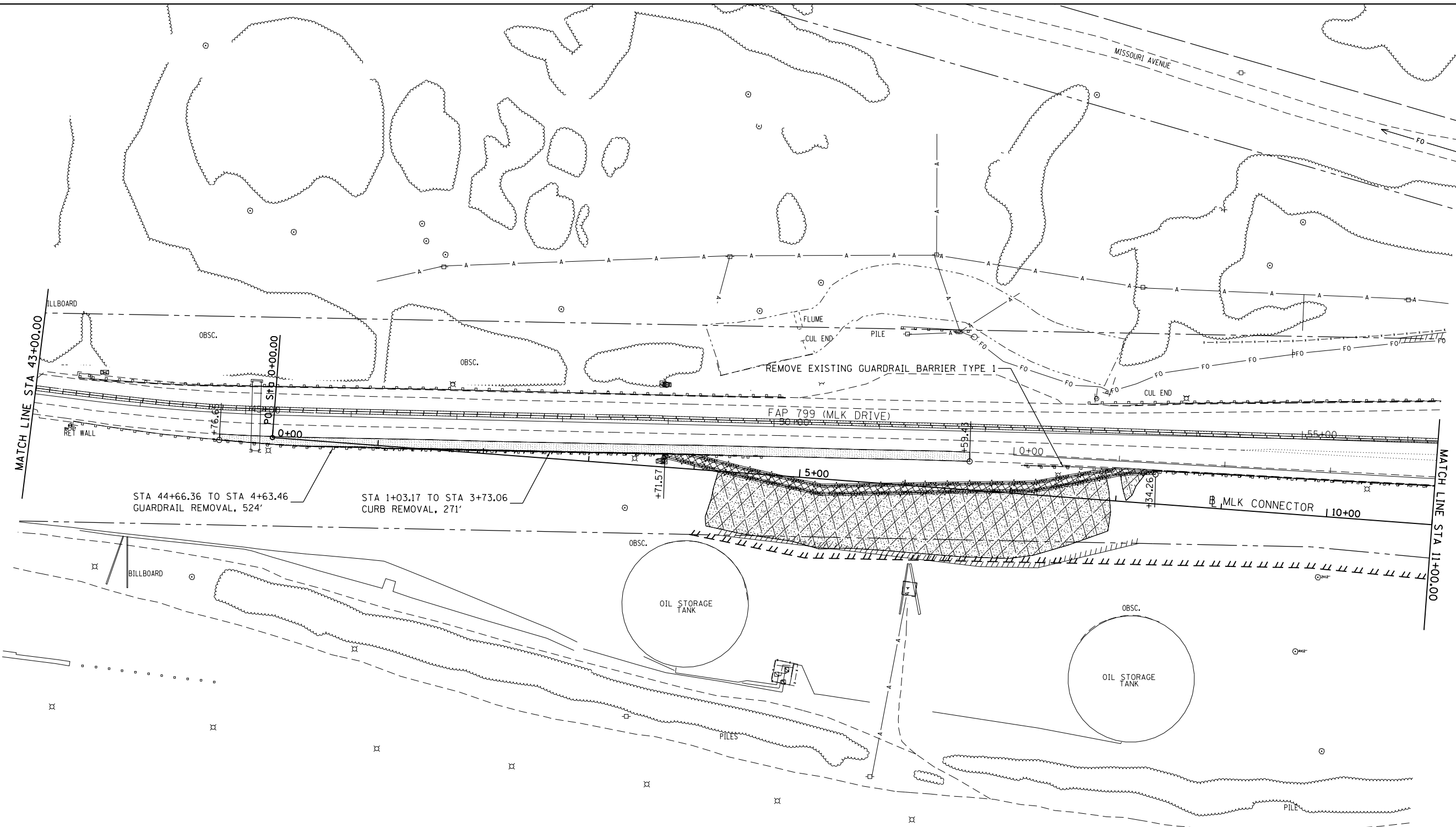
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PLAN
 FAI 64**

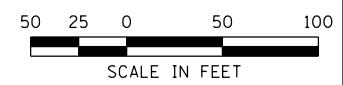
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	38
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- PAVED DITCH REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL (ACRE)
- REMOVE EXISTING RIPRAP



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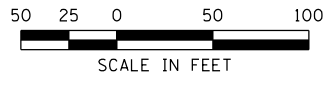
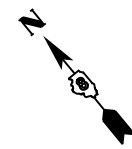
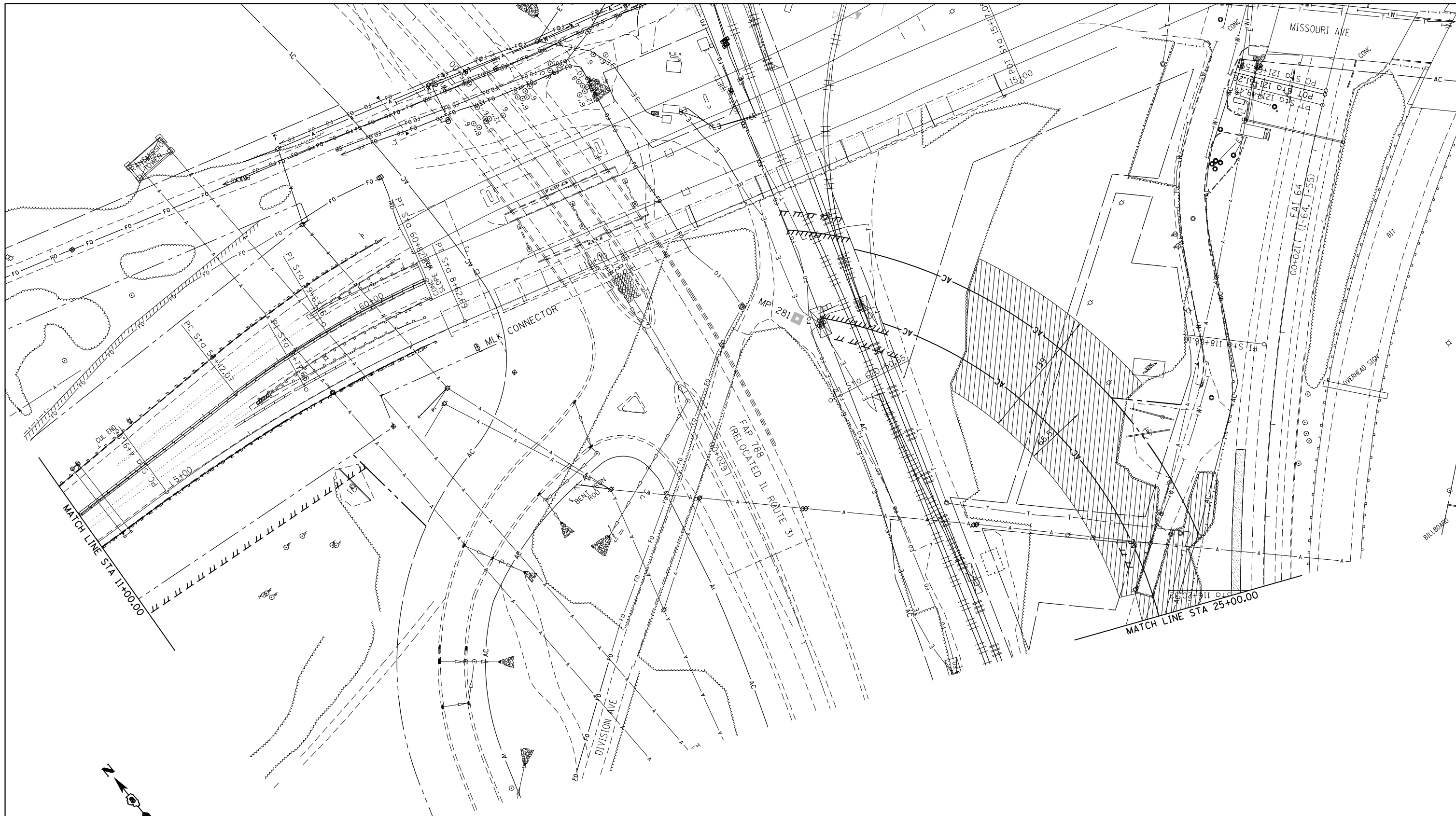
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**REMOVAL PLAN
MLK CONNECTOR**

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 0+00.00 TO STA. 11+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	39
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- PAVED DITCH REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL (ACRE)
- REMOVE EXISTING RIPRAP

LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
 PLOT DRIVER = pdfnclayers.pltcf9

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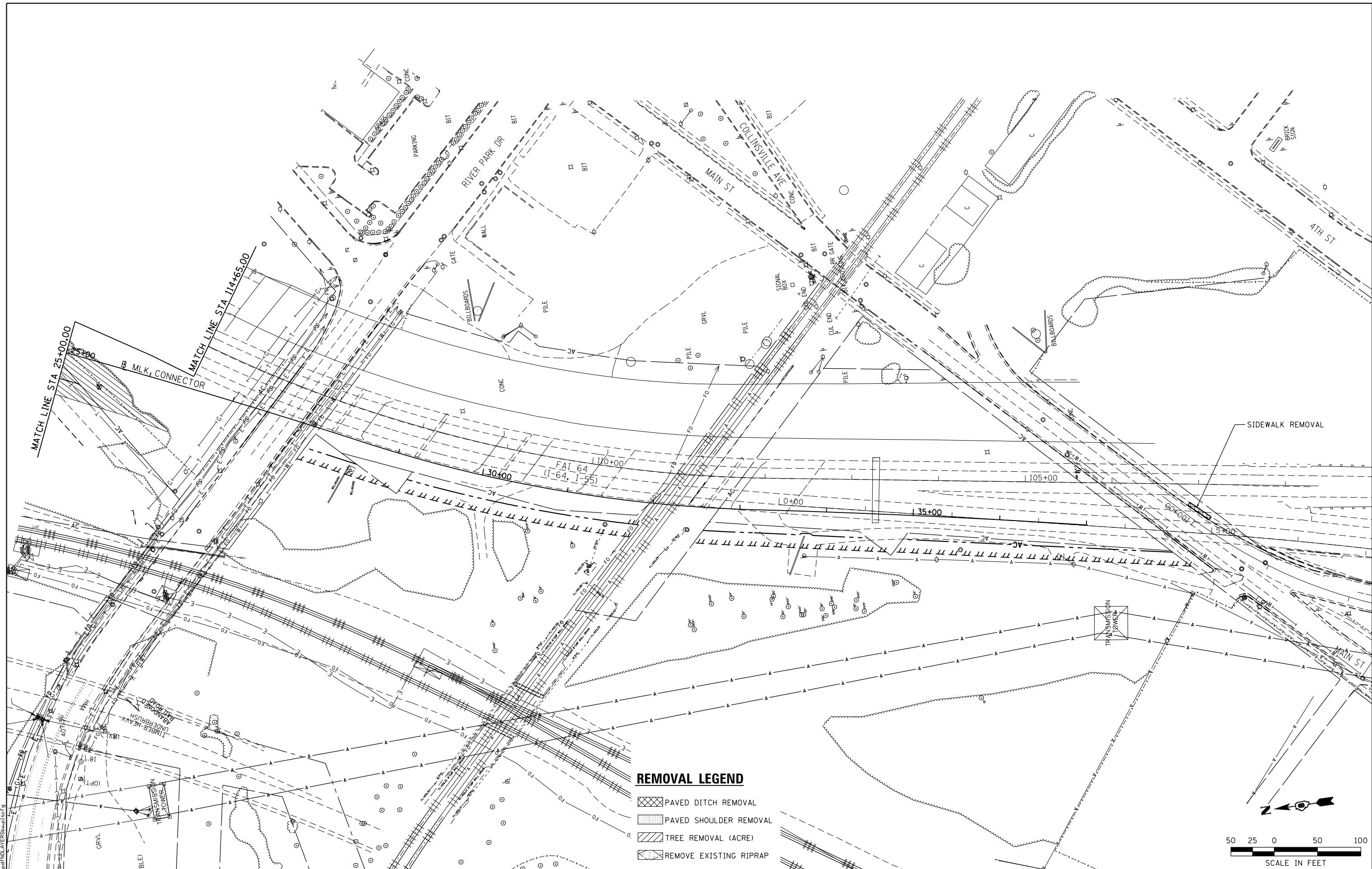
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION







REMOVAL PLAN
 MLK CONNECTOR

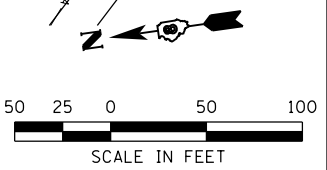
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	40
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

-  PAVED DITCH REMOVAL
-  PAVED SHOULDER REMOVAL
-  TREE REMOVAL (ACRE)
-  REMOVE EXISTING RIPRAP



LAST SAVED = 8/6/2014
 PEN TABLE = 06/11/14
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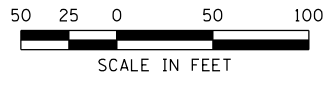
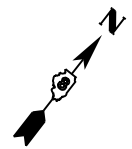
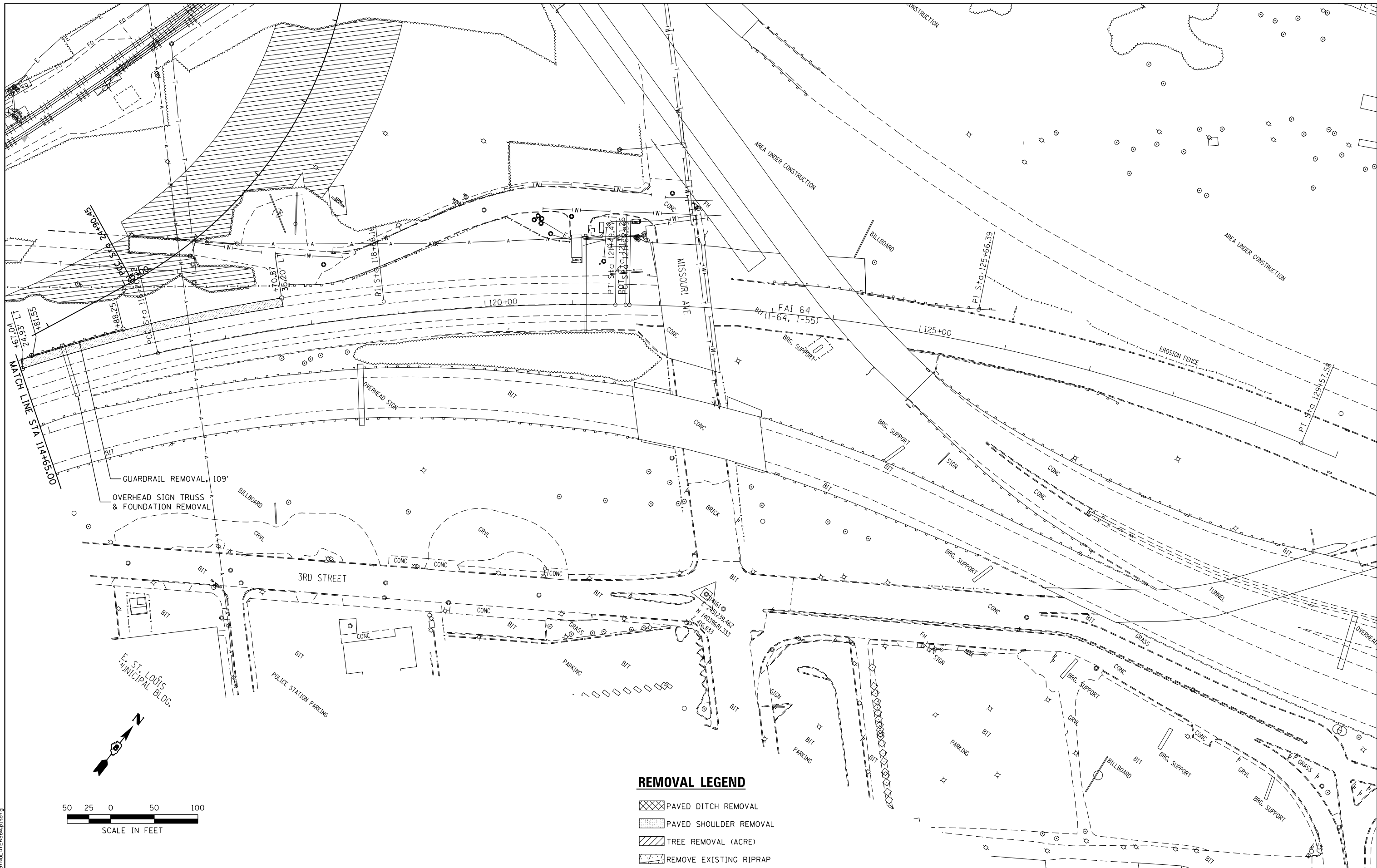
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


HORNER & SHIRIN, INC.
ENGINEERS

REMOVAL PLAN
 MLK CONNECTOR

SCALE: 1' = 50' SHEET NO. 3 OF 4 SHEETS STA. 28+00.00 TO STA. 37+01.80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	41
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- PAVED DITCH REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL (ACRE)
- REMOVE EXISTING RIPRAP

LAST SAVED = 8/6/2014
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORNER & SHIRIN, INC.
ENGINEERS

REMOVAL PLAN
 FAI 64

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 114+65.00 TO STA. 130+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	42
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

MOT GENERAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING CONSTRUCTION ACCESS POINTS. THE PROPOSED LOCATIONS SHALL BE SUBMITTED TO IDOT FOR APPROVAL BEFORE USE. A QUANTITY FOR TEMPORARY IMPACT ATTENUATORS HAS BEEN INCLUDED IN THE CONTRACT FOR USE WITH THE CONSTRUCTION ACCESS POINTS.

ANY TEMPORARY CONCRETE BARRIER THAT IS ADJACENT TO A SLOPE STEEPER THAN 1:4 AND ON TEMPORARY PAVEMENT WITHIN 37 INCHES OF DROP OFF SHALL BE PINNED. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

ALL SIGN SUPPORTS AND CHANNELING DEVICES SHALL BE CERTIFIED BY THE CONTRACTOR OR MANUFACTURES AS MEETING THE APPLICABLE NCHRP REPORT 350. TEST LEVEL 3.

ALL SIGNS SHALL BE POST-MOUNTED UNLESS THE SIGNS ARE LOCATED ON THE PAVEMENT OR DEFINE A MOVING INTERMITTENT OPERATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE SUPPORT SIGN BASES ARE PROPERLY WEIGHTED FOR EXISTING WIND CONDITIONS. IDOT SHALL BE HELD HARMLESS FOR THE NEGLIGENCE ON THE PART OF THE CONTRACTOR IN ADHERING TO THIS DIRECTIVE.

THE CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES ON IDOT ROUTES, INCLUDING DETOUR SIGNING.

THE WORK DESCRIBED IN ANY OF THE SUGGESTED STAGING CAN BEGIN AT AN EARLIER TIME THAN SHOWN IN THE SCHEDULE, PROVIDED THAT IT DOESN'T CONFLICT WITH ONGOING WORK IN THE CURRENT OR FUTURE STAGES AND WITH THE APPROVAL OF THE ENGINEER.

ALL PERMANENT SIGNAGE THAT IS REMOVED SHALL BE RETURNED TO IDOT. CONTACT JEAN SLAPE AT (618) 346-3289.

**MLK DRIVE
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1**

1. PREPARE LANE CLOSURE PER STANDARD 701422 TO MAINTAIN TWO 2' SHOULDERS AND A SINGLE EAST BOUND 12' DRIVING LANE. THIS OPERATION IS TO BE PERFORMED ONLY DURING NON PEAK HOURS.
2. MOVE BARRELS DURING PEAK HOURS AND FOLLOW THE IDOT STANDARD DROP OFF POLICY TO MAINTAIN TWO DRIVING LANES.
3. REMOVE EXISTING SHOULDER AND REBUILD PER PLANS.

**MLK DRIVE
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2**

1. OPEN CLOSED LANE IN PREVIOUS STAGE 1 SO THAT THE EXISTING EAST BOUND LANES CAN BE MAINTAINED. FOLLOW STANDARD 701101.
2. PERFORM ALL NECESSARY SHOULDER, PAVEMENT, & BRIDGE WORK PER PLANS.
3. REMOVE ASPHALT CURB ON MLK DRIVE EXIST RAMP TO FAI-64
4. ONCE ALL WORK HAS BEEN COMPLETED REMOVE DRUMS AND TEMPORARY SIGNAGE.
5. RESTRIPE LANES PER PROPOSED STRIPING PLANS.

**MLK DRIVE
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3**

1. PREPARE LANE CLOSURE PER STANDARD 701422.
2. ERECT SIGN PANEL ON EXISTING MONOTUBE SIGN STRUCTURE PER SIGNING PLANS.
3. ONCE SIGN IS PLACED REMOVE TEMPORARY LANE CLOSURE CONFIGURATION AND OPEN LANES TO EXISTING DRIVING LANES.

**FAI-64
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1a**

1. PREPARE LANE CLOSURE WITH BARRIER PER STANDARD 701402 SHIFTING TRAFFIC TO THE EAST SIDE OF THE BRIDGE AND MAINTAINING TWO 2' SHOULDERS AND TWO 11' DRIVING LANES AT THE SOUTH ABUTMENT AND PIER 3. SHIFT TRAFFIC TO THE WEST ON THE SOUTH ABUTMENT TO MAINTAIN TWO 2' SHOULDERS AND ONE 11' DRIVING LANE.
2. STRIPE LANES TO REFLECT THE NEW TEMPORARY LANE CONFIGURATION.
3. PERFORM ROADWAY & BRIDGE WORK PER PLANS.

**FAI-64
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1b**

1. MAINTAIN LANE CLOSURE WITH BARRIER PER STANDARD 701402 WITH TRAFFIC ON THE EAST SIDE OF THE BRIDGE AND MAINTAINING TWO 2' SHOULDERS AND TWO 11' DRIVING LANES AT THE SOUTH ABUTMENT AND PIER 3. SHIFT TRAFFIC TO THE EAST ON THE SOUTH ABUTMENT TO MAINTAIN TWO 2' SHOULDERS AND ONE 11' DRIVING LANE.
2. STRIPE LANES TO REFLECT THE NEW TEMPORARY LANE CONFIGURATION.
3. PERFORM ROADWAY & BRIDGE WORK PER PLANS.

**FAI-64
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2**

1. SHIFT DRIVING LANES TO THE WEST SIDE OF THE BRIDGE AND MAINTAINING TWO 2' SHOULDERS AND TWO 12' DRIVING LANES. RECONFIGURE LANE CLOSURE WITH BARRIER PER STANDARD 701402.
2. STRIPE LANES TO REFLECT THE NEW TEMPORARY LANE CONFIGURATION.
3. PERFORM ROADWAY & BRIDGE WORK PER PLANS.
4. ONCE ALL WORK HAS BEEN COMPLETED REMOVE BARRIERS AND SIGNAGE.
5. STRIPE LANES TO REFLECT NEW PAVEMENT MARKING PER PLANS FOR FINAL CONDITIONS.
6. INSTALL FAI-64 GUARDRAIL REMOVAL IN STAGES 1a & 1b.

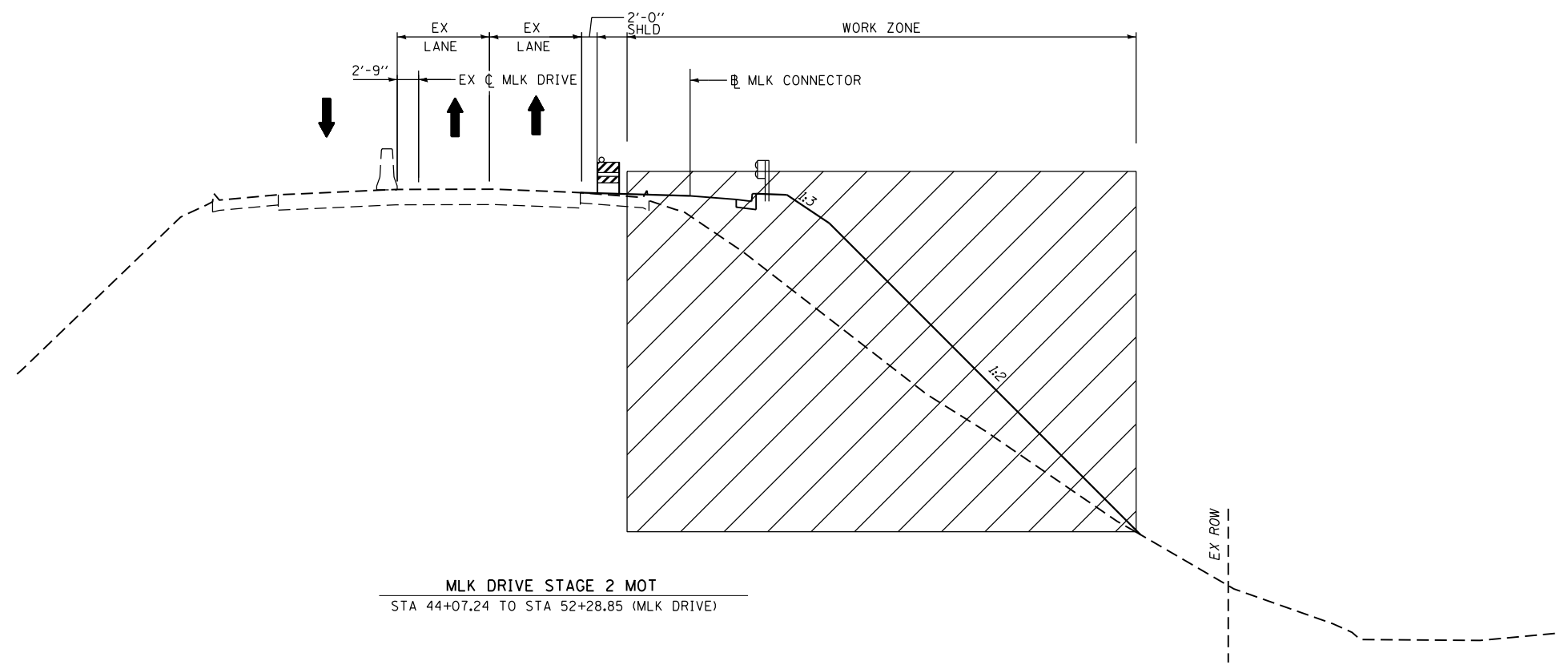
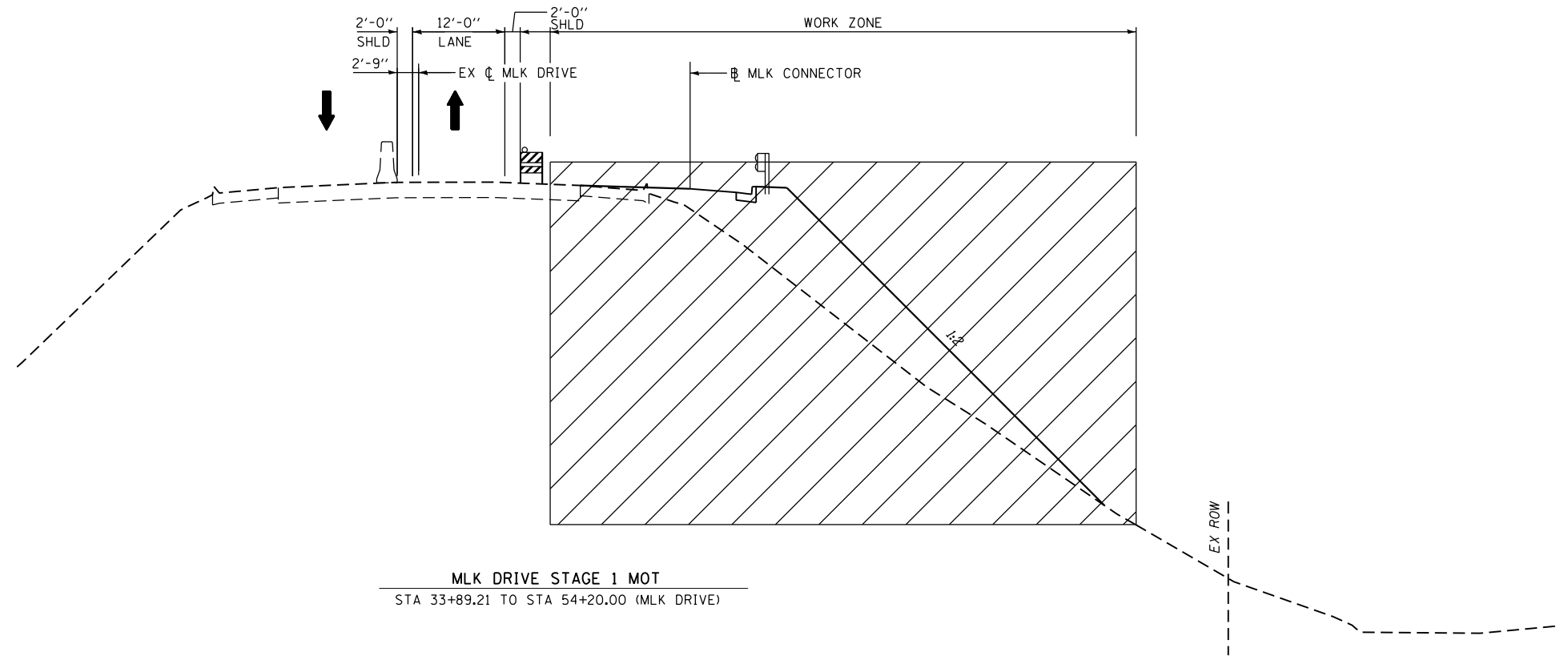
**IL ROUTE 3
SUGGESTED MAINTENANCE OF TRAFFIC**

1. PREPARE LANE CLOSURE PER STANDARD 701422.
2. INSTALL GUARDRAIL AND PERFORM REQUIRED BRIDGE CONSTRUCTION ACTIVITIES AS SHOWN ON PLANS.
3. ONCE ALL WORK IS COMPLETED REMOVE TEMPORARY LANE CLOSURE CONFIGURATION AND OPEN LANES TO EXISTING DRIVING LANES.

**RIVER PARK DRIVE
SUGGESTED MAINTENANCE OF TRAFFIC**

1. PREPARE LANE CLOSURE PER STANDARD 701422.
2. REMOVE AND REPLACE SIDEWALK AND PERFORM REQUIRED BRIDGE CONSTRUCTION ACTIVITIES AS SHOWN ON PLANS.
3. ONCE ALL WORK IS COMPLETED REMOVE TEMPORARY LANE CLOSURE CONFIGURATION AND OPEN LANES TO EXISTING DRIVING LANES.

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		CHECKED - JHL	REVISED -			CONTRACT NO. 76G09						
		DATE - 7-28-14	REVISED -			SCALE:	SHEET NO. 1 OF 20 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



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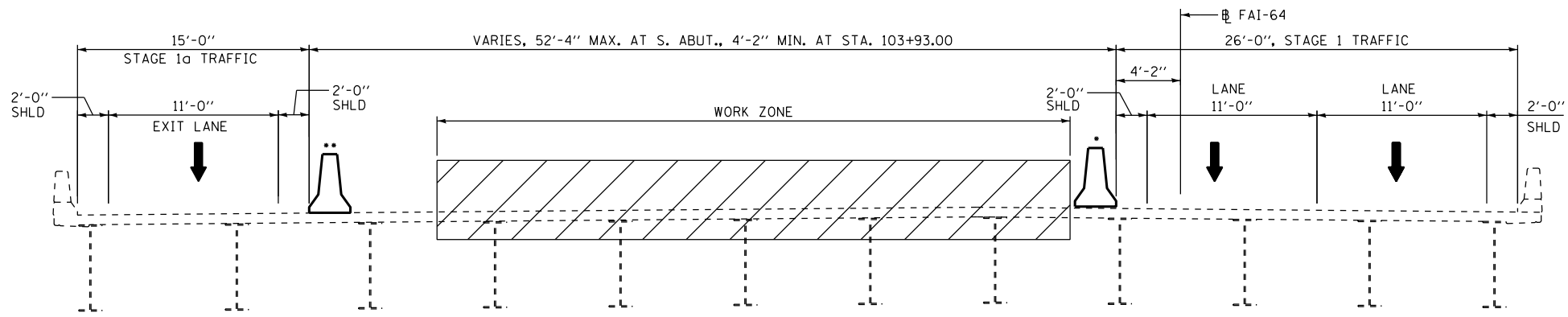
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
I-64/55

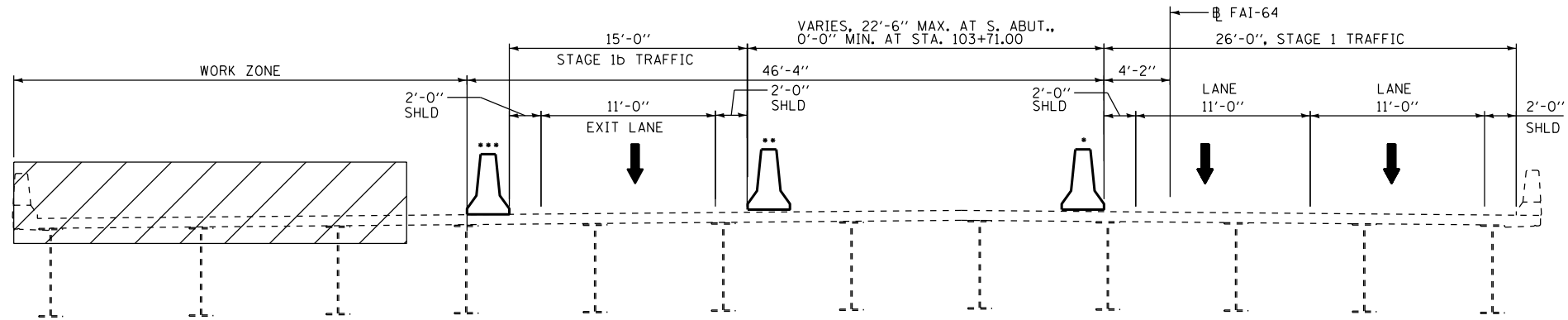
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64	82-(1,4)B-1	ST. CLAIR	406	44
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 2 OF 20 SHEETS STA. TO STA.



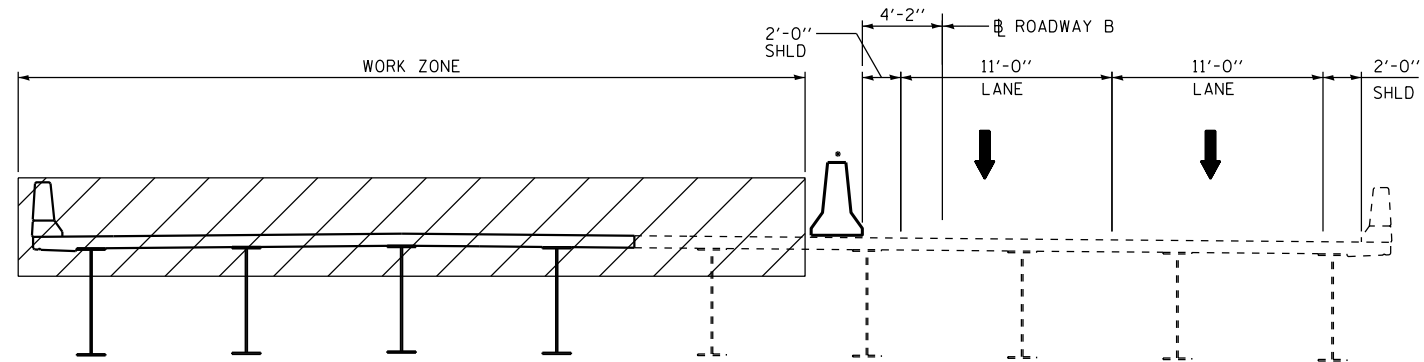
ROADWAY (FAI 64) STAGE 1a MOT
STA 100+64.28 TO STA 104+65.65

- 101+61.32 - 103+86.44 (RDWY-B)
- 3+86.44 - 6+59.33 (EX-RAMP U)



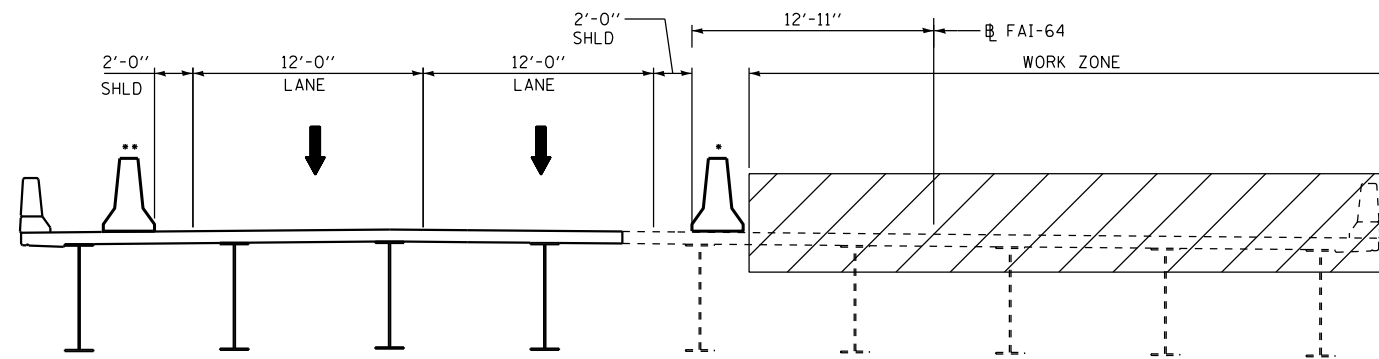
ROADWAY (FAI 64) STAGE 1b MOT
STA 100+64.28 TO STA 104+65.65

- 101+61.32 - 103+86.44 (RDWY-B)
- 3+91.72 - 6+45.47 (EX-RAMP U)
- 3+15.48 - 6+45.47 (RAMP U)



ROADWAY (FAI 64) STAGE 1a & 1b MOT
STA 104+65.65 TO STA 135+08.72

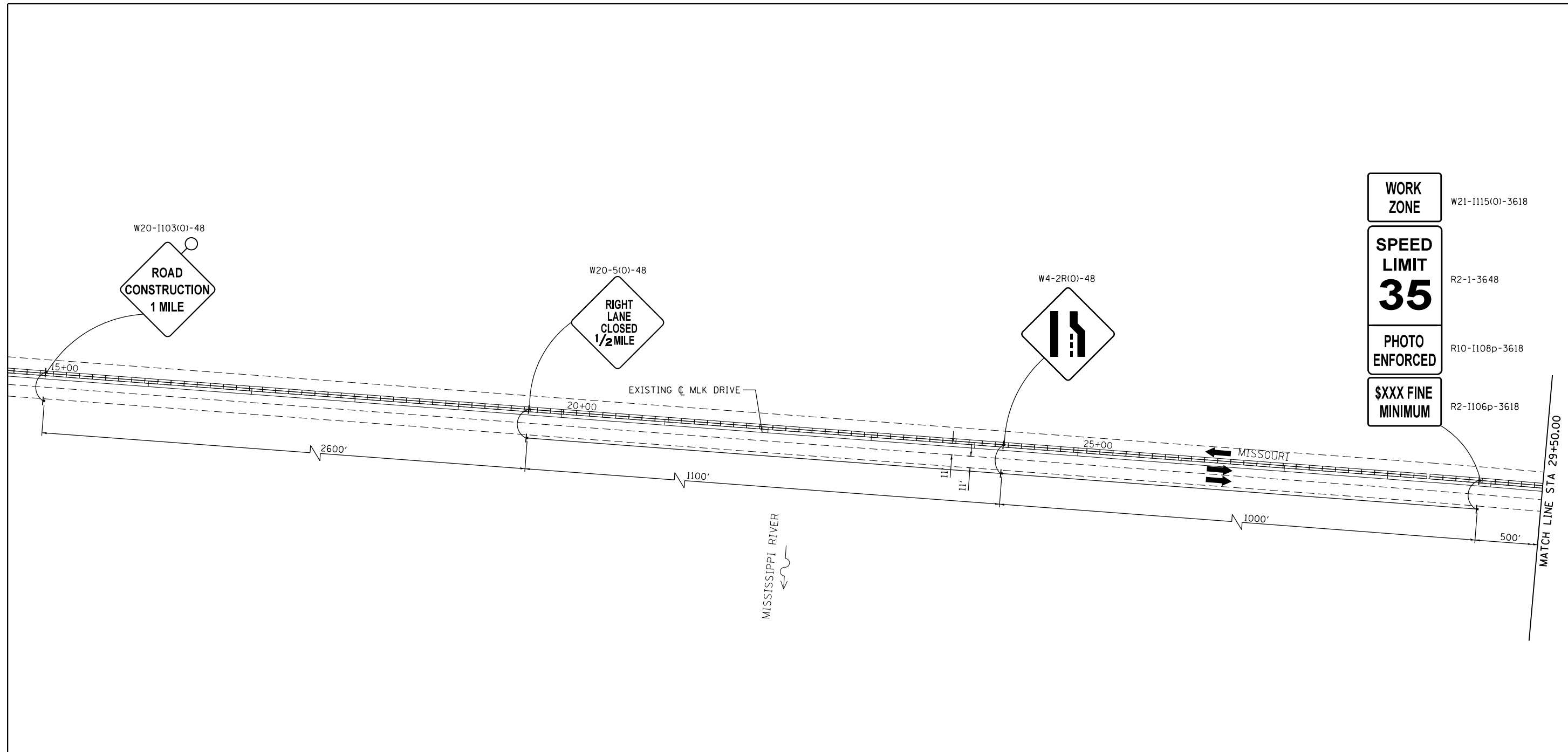
- 104+65.65 - 120+08.72 (RDWY-B)



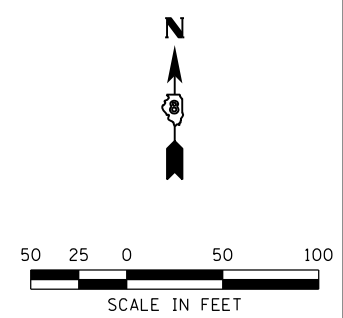
ROADWAY (FAI 64) STAGE 2 MOT
STA 101+77.71 TO STA 133+77.70

- 101+77.71 - 118+77.79 (RDWY-B)
- 113+33.17 - 118+27.71 (RDWY-B)

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MAINTENANCE OF TRAFFIC TYPICAL SECTIONS FAI-64	F.A.I. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TNS	REVISED -				64	82-(1,4)B-1	ST. CLAIR	406	45
		CHECKED - JHL	REVISED -				CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	
		DATE - 7-28-14	REVISED -				SCALE:	SHEET NO. 3 OF 20 SHEETS	STA.	TO STA.	



- MOT LEGEND**
- WORK ZONE AREA
 - DIRECTION OF TRAFFIC
 - TEMPORARY CONCRETE BARRIER (TYP)
 - PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 - EXISTING SIGN
 - IMPACT ATTENUATOR
 - DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMP
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

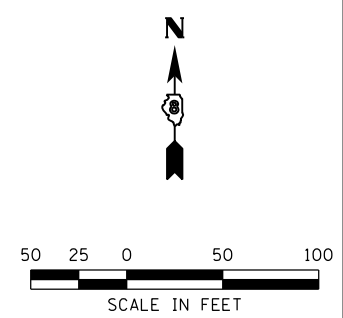
**MAINTENANCE OF TRAFFIC STAGE 1
MLK DRIVE**

SCALE: 1' = 50' SHEET NO. 4 OF 20 SHEETS STA. TO STA. 29+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	46
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



- MOT LEGEND**
- WORK ZONE AREA
 - DIRECTION OF TRAFFIC
 - TEMPORARY CONCRETE BARRIER
 - PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 - EXISTING SIGN
 - DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

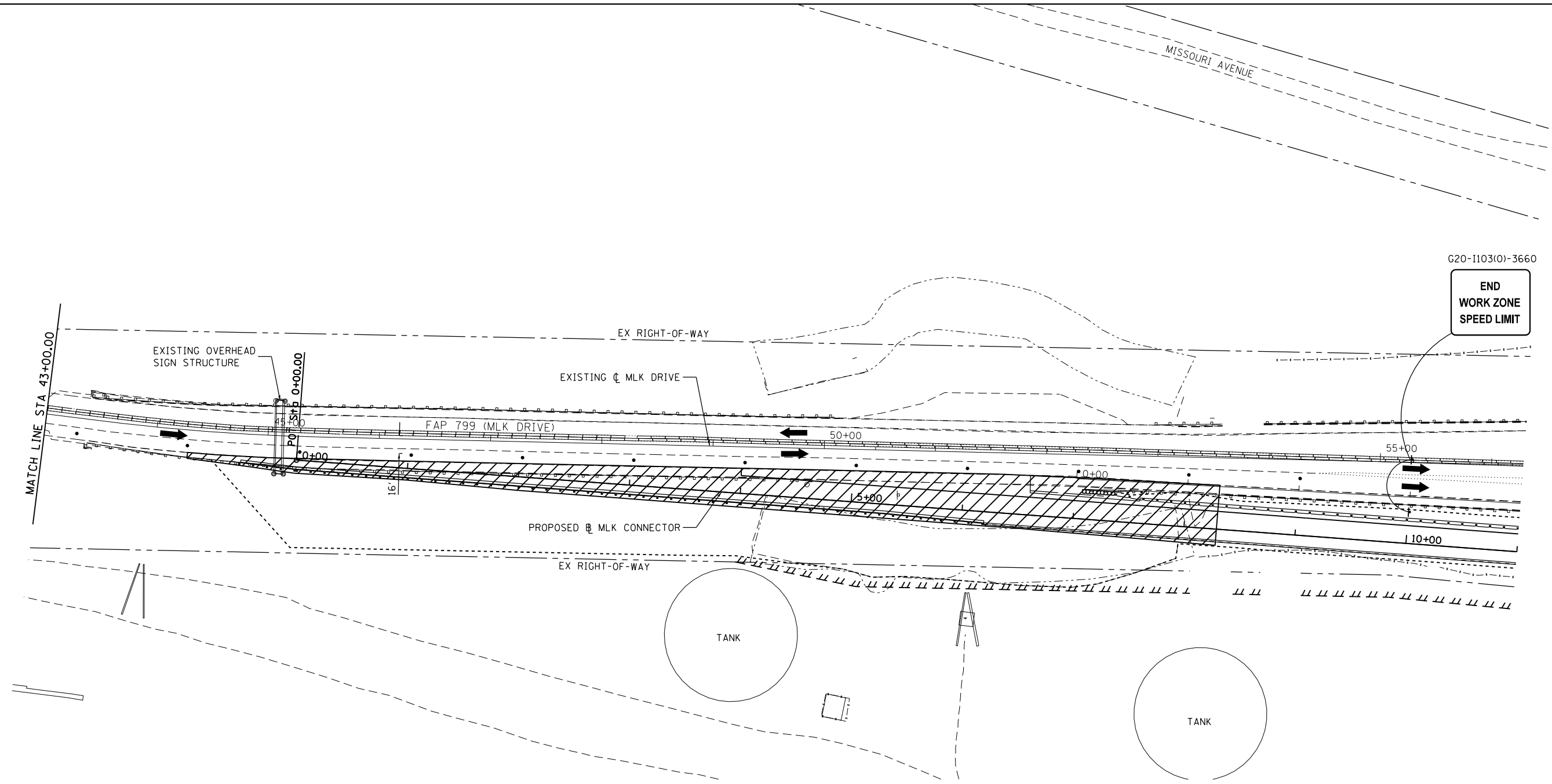
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ABNA

**MAINTENANCE OF TRAFFIC STAGE 1
MLK DRIVE**

SCALE: 1' = 50' SHEET NO. 5 OF 20 SHEETS STA. 29+50.00 TO STA. 43+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	47
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

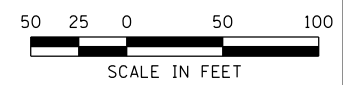


G20-1103(0)-3660

END
WORK ZONE
SPEED LIMIT

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
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		DATE - 7-28-14	REVISED -

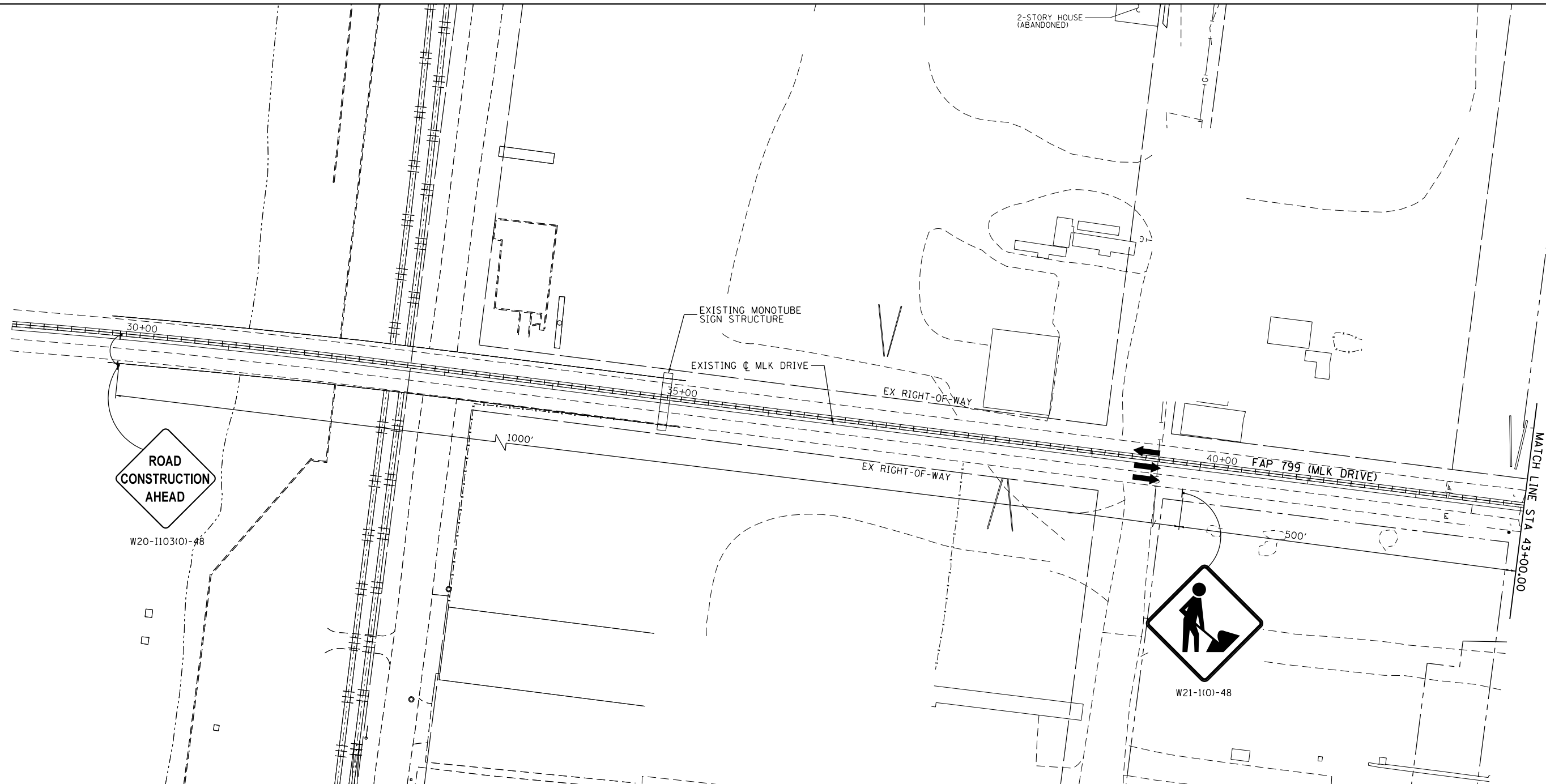
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



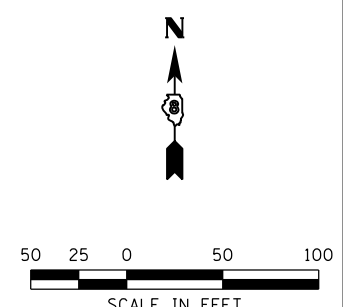
**MAINTENANCE OF TRAFFIC STAGE 1
MLK DRIVE**

SCALE: 1' = 50' SHEET NO. 6 OF 20 SHEETS STA. 43+00.00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	48
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



- MOT LEGEND**
- WORK ZONE AREA
 - DIRECTION OF TRAFFIC
 - TEMPORARY CONCRETE BARRIER (70400100)
 - PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 - EXISTING SIGN
 - DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMP
 - 5' C-C FOR RAMP OR ROAD CLOSURES



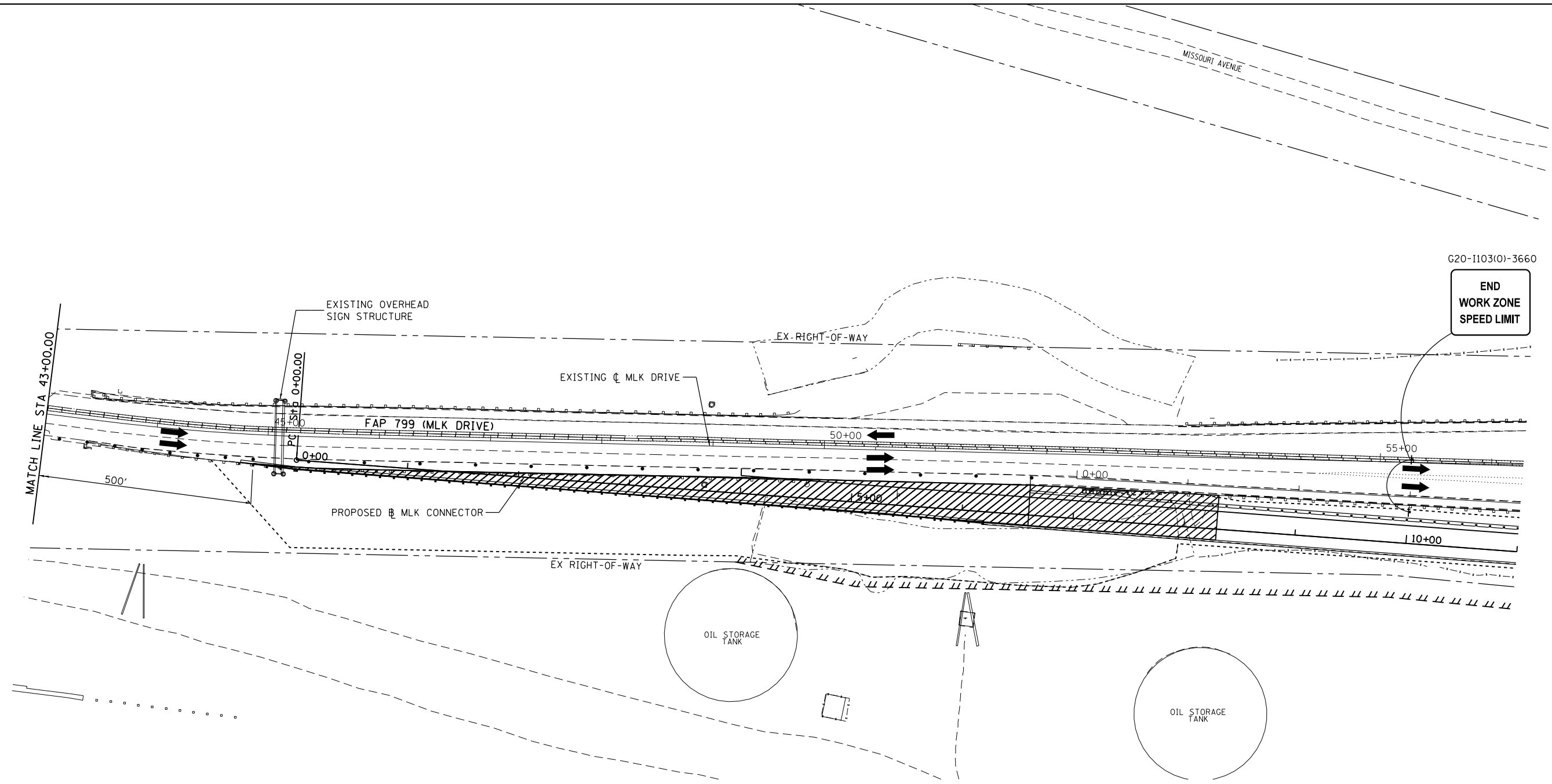
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		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2
MLK DRIVE

SCALE: 1' = 50' SHEET NO. 7 OF 20 SHEETS STA. TO STA. 43+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	49
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

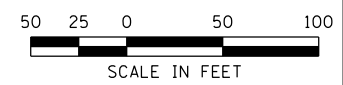


G20-1103(0)-3660

END
WORK ZONE
SPEED LIMIT

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 2
MLK DRIVE

SHEET NO. 8 OF 20 SHEETS STA. 43+00.00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	50
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

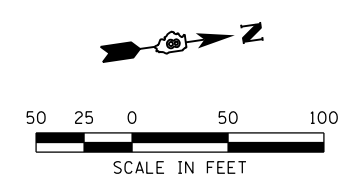


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		PLOT SCALE = *SCALE*	CHECKED - JHL
		PLOT DATE = *DATE*	DATE - 7-28-14

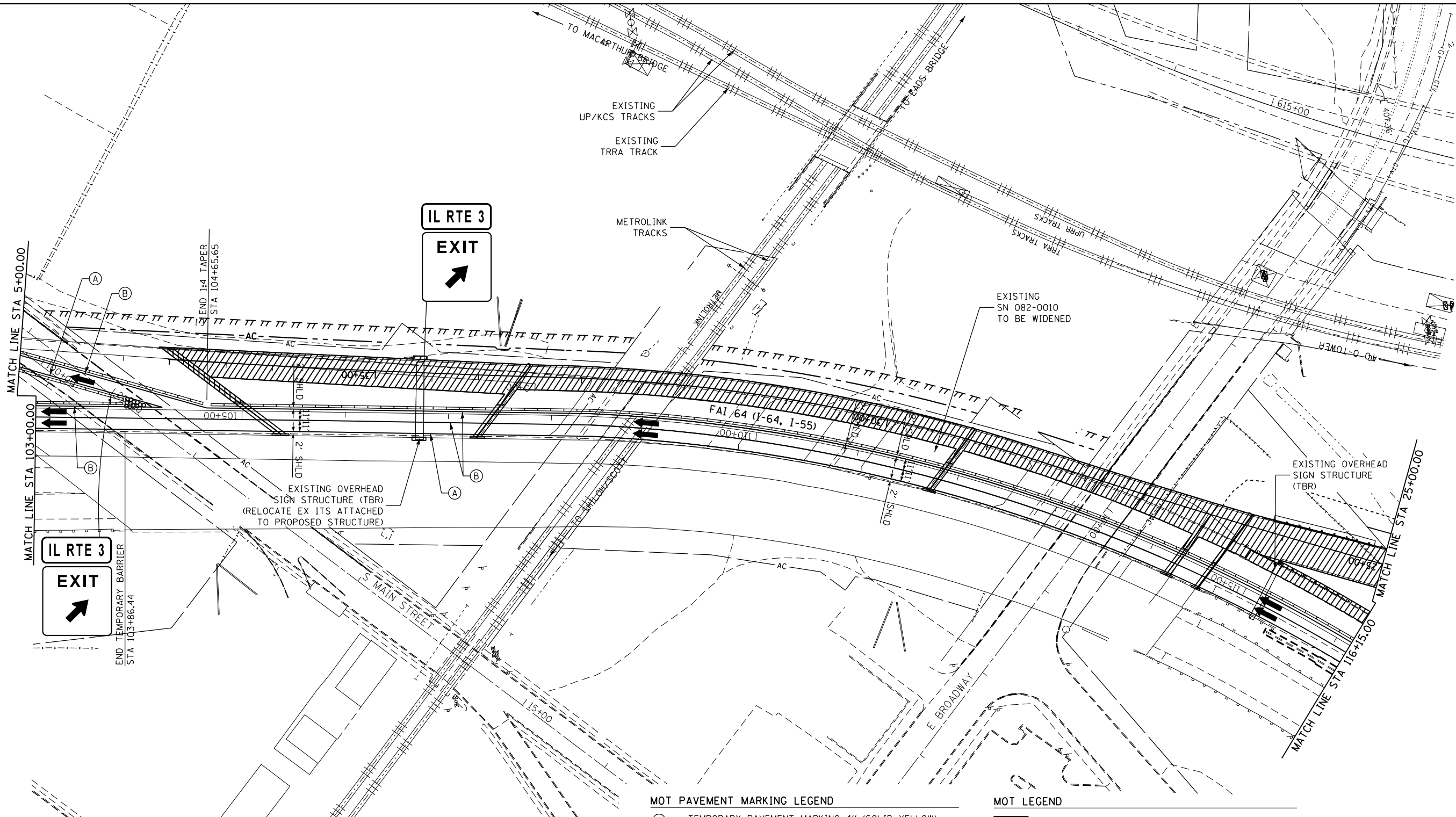
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 1a
FAI-64

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	51
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

SCALE: 1' = 50' SHEET NO. 9 OF 20 SHEETS STA. 101+61.32 TO STA. 103+00.00

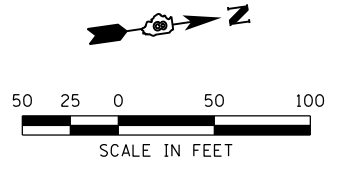


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

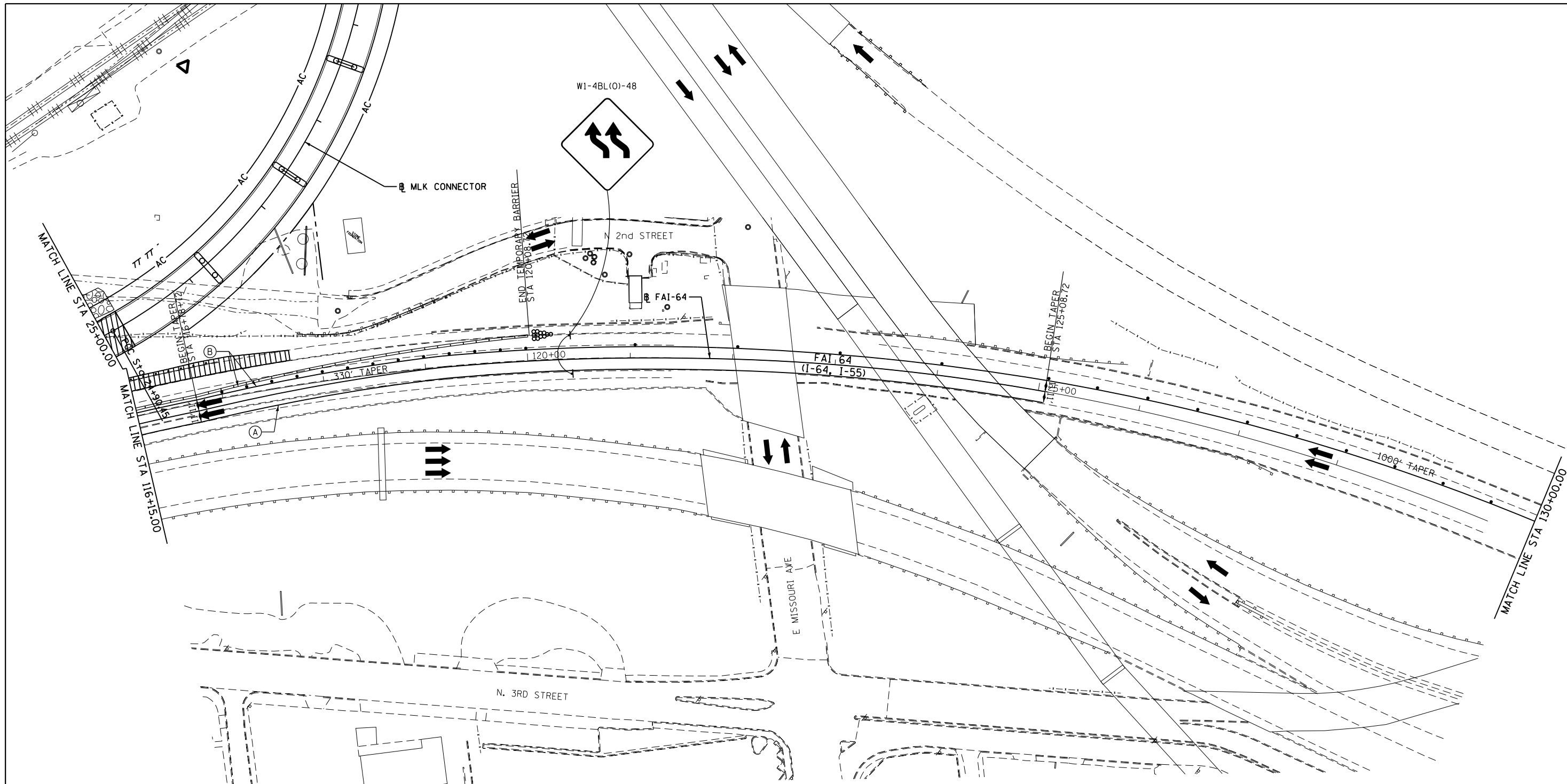
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 1a
FAI-64

SCALE: 1' = 50' SHEET NO. 10 OF 20 SHEETS STA. 103+00.00 TO STA. 116+15.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	52
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

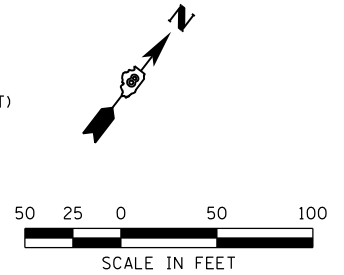


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



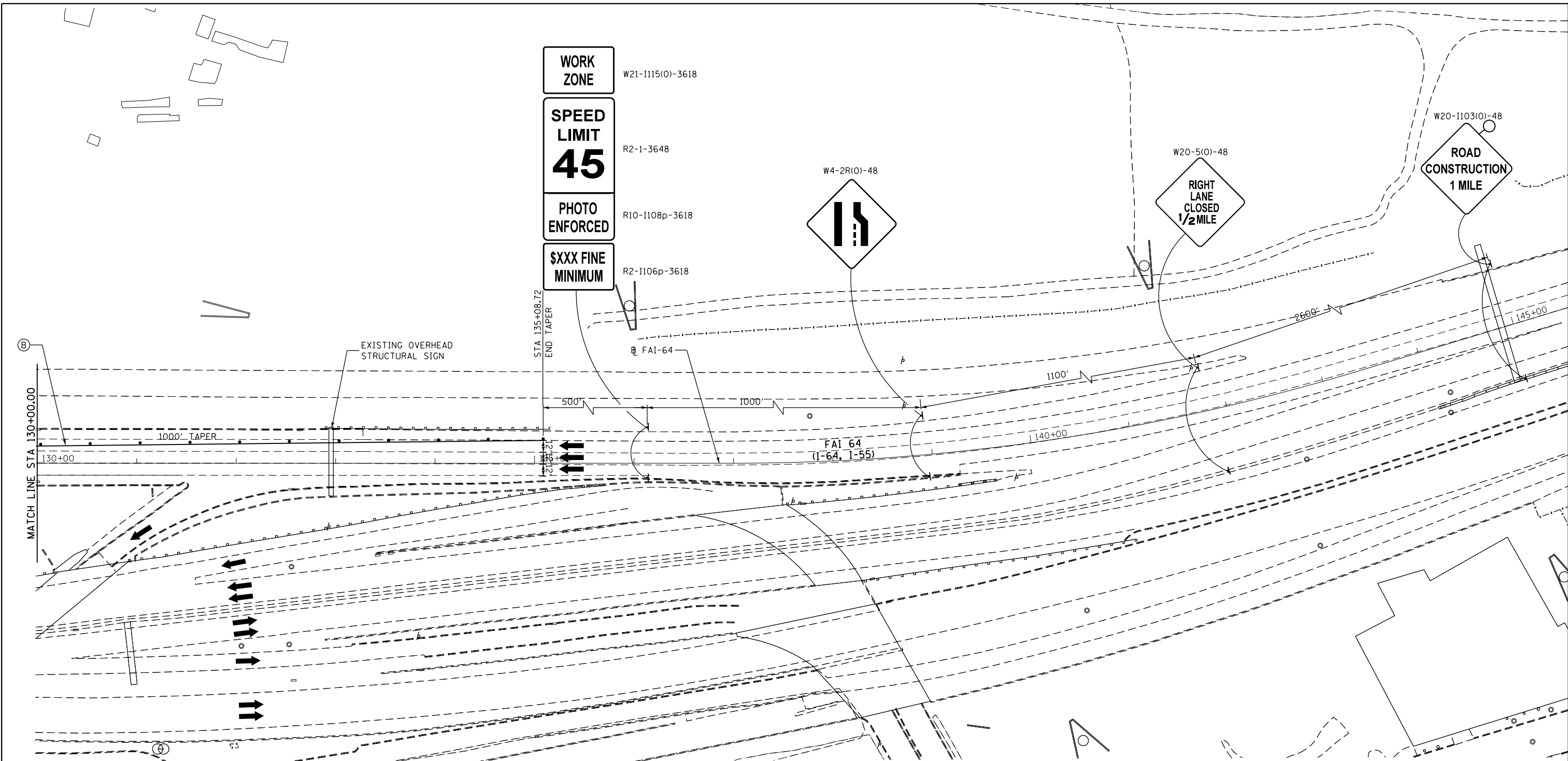
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		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

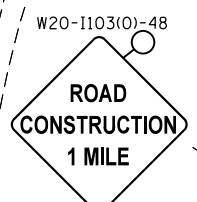
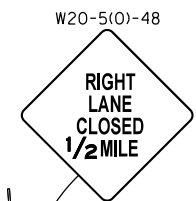
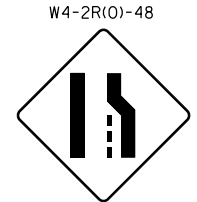


MAINTENANCE OF TRAFFIC STAGE 1a
FAI-64
SHEET NO. 11 OF 20 SHEETS STA. 116+15.00 TO STA. 130+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	53
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

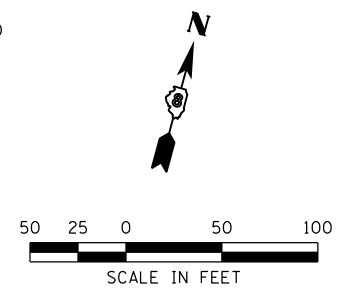


WORK ZONE W21-1115(O)-3618
SPEED LIMIT 45 R2-1-3648
PHOTO ENFORCED R10-1108p-3618
\$XXX FINE MINIMUM R2-1106p-3618



MOT PAVEMENT MARKING LEGEND
 (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
 (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND
 [Hatched Box] WORK ZONE AREA
 [Arrow] DIRECTION OF TRAFFIC
 [Line] TEMPORARY CONCRETE BARRIER (70400100)
 [T] PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 [T] EXISTING SIGN
 [Circle with X] IMPACT ATTENUATOR
 [Dot] DRUM OR BARRICADE SPACING
 50' C-C ON TANGENTS
 25' C-C ON TAPERS OR LANE SHIFTS
 12' C-C ON RADII'S OR RAMPS
 5' C-C FOR RAMP OR ROAD CLOSURES

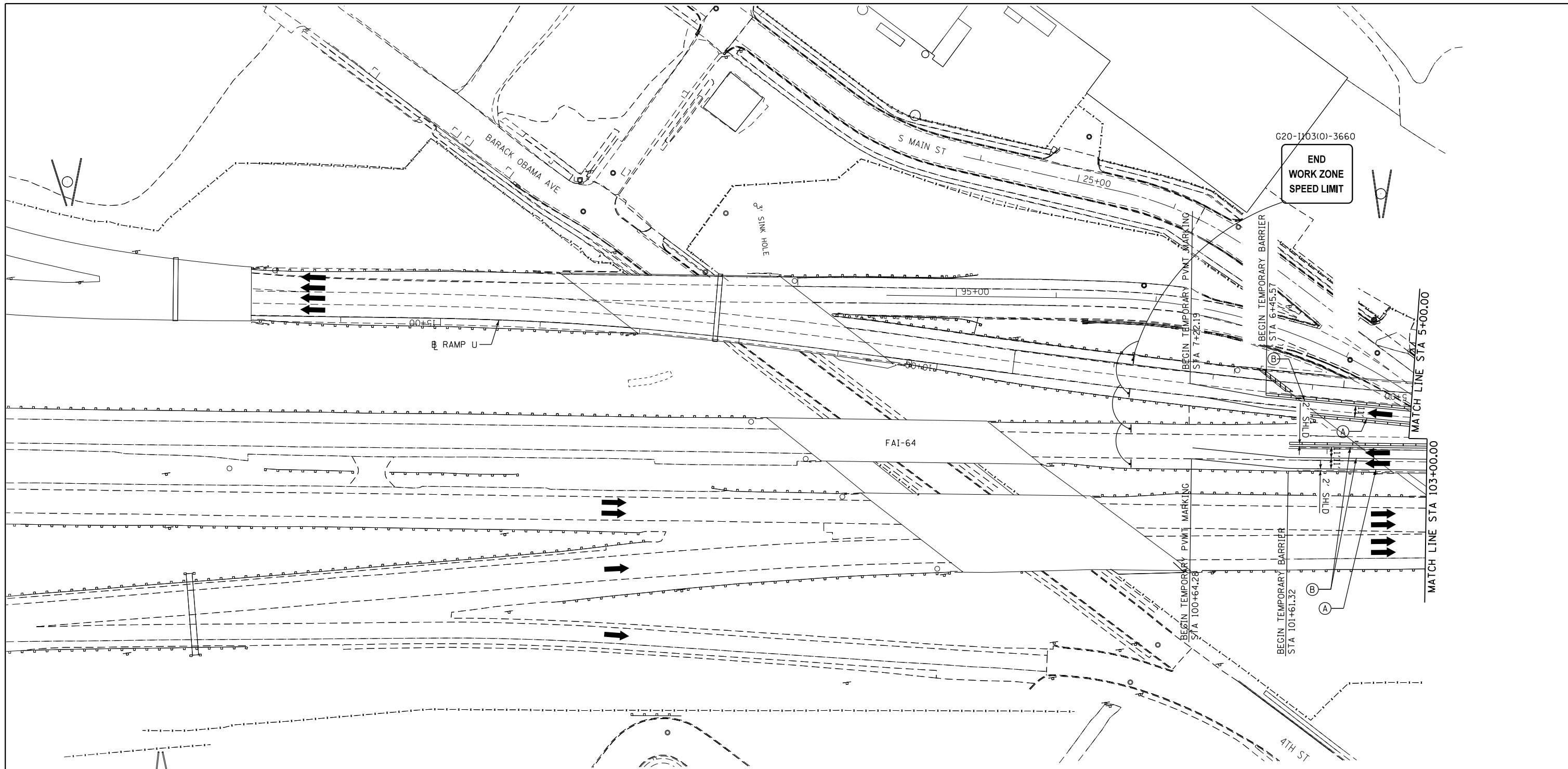


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		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1a
 FAI-64
 SCALE: 1" = 50' SHEET NO. 12 OF 20 SHEETS STA. 130+00.00 TO STA.

F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 54
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

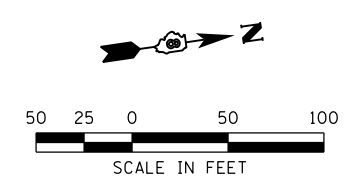


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



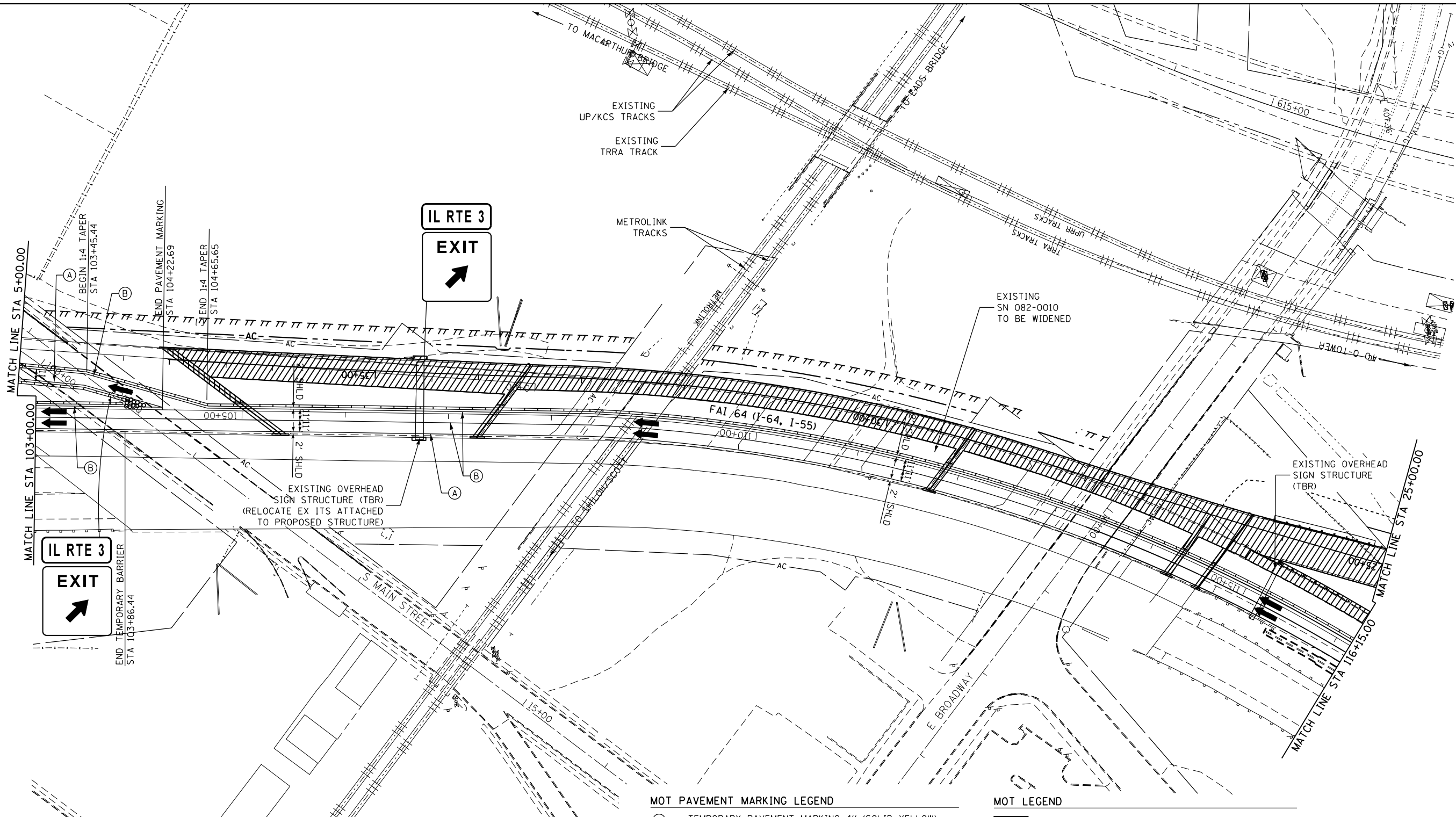
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		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 1b
FAI-64
SHEET NO. 13 OF 20 SHEETS STA. 101+61.32 TO STA. 103+00.00

F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 55
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

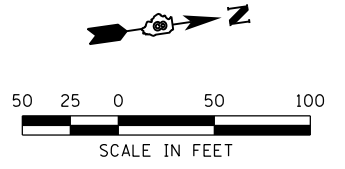


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

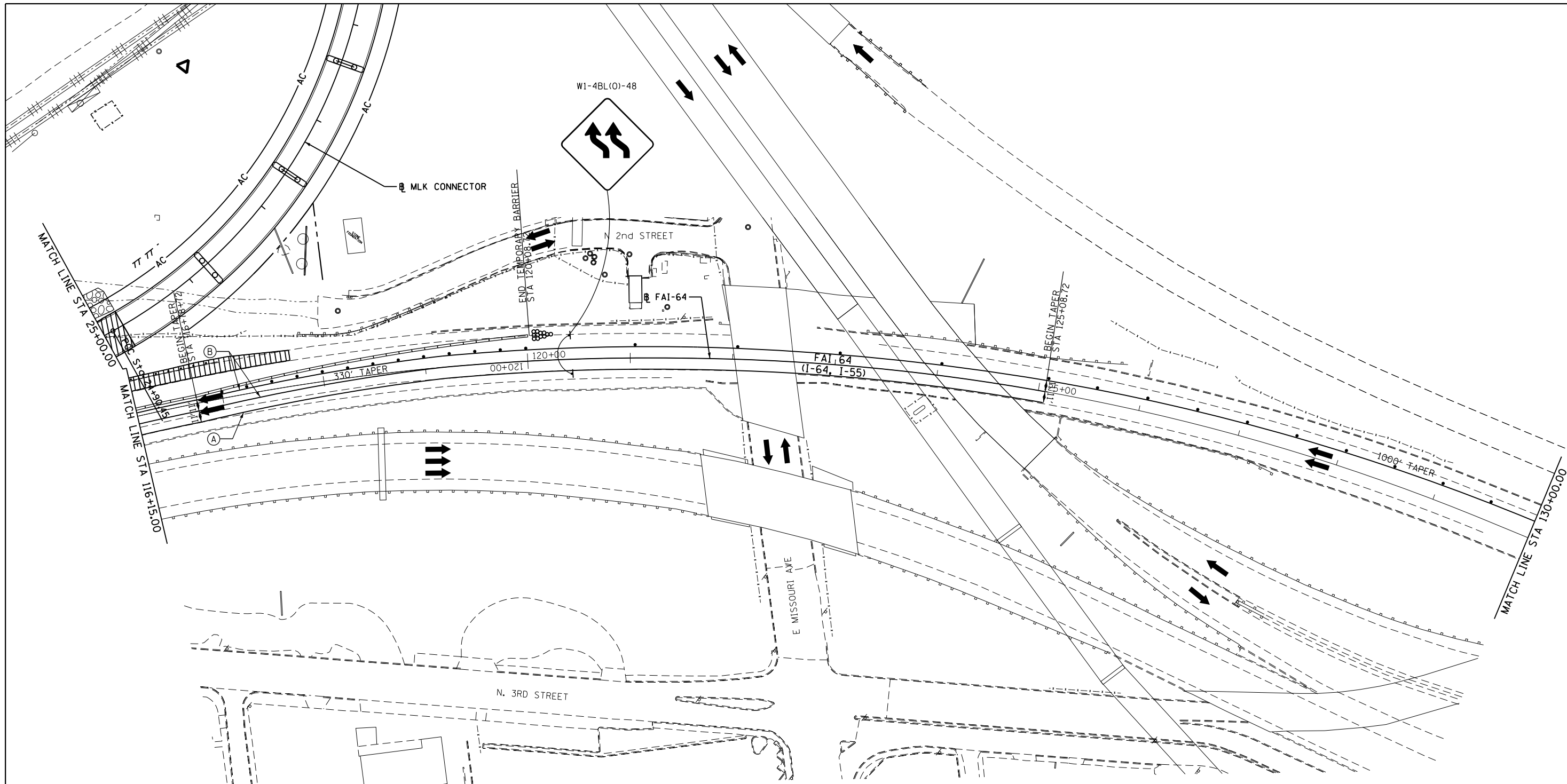


MAINTENANCE OF TRAFFIC STAGE 1b
FAI-64

SCALE: 1' = 50' SHEET NO. 14 OF 20 SHEETS STA. 103+00.00 TO STA. 116+15.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	56
CONTRACT NO. 76G09				

ILLINOIS FED. AID PROJECT

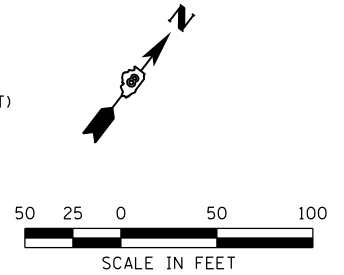


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

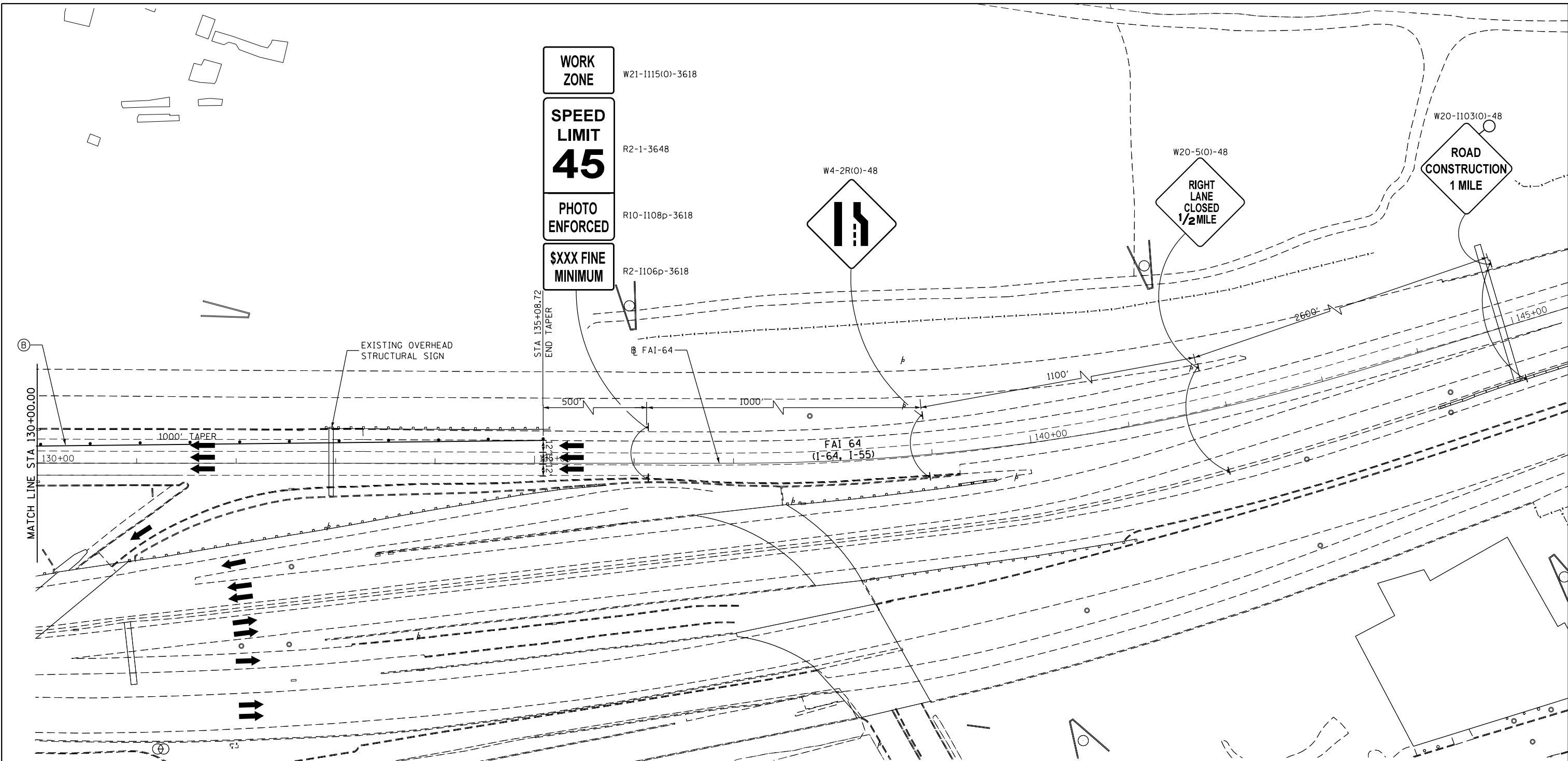
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



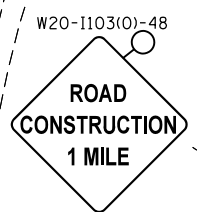
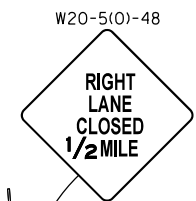
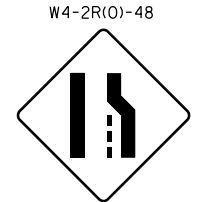
MAINTENANCE OF TRAFFIC STAGE 1b
FAI-64

SCALE: 1" = 50' SHEET NO. 15 OF 20 SHEETS STA. 116+15.00 TO STA. 130+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	57
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

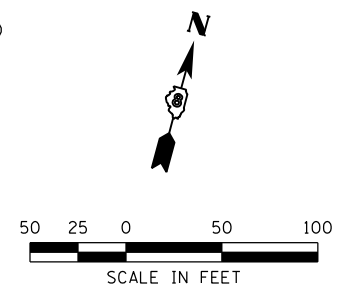


WORK ZONE W21-1115(O)-3618
SPEED LIMIT 45 R2-1-3648
PHOTO ENFORCED R10-1108p-3618
\$XXX FINE MINIMUM R2-1106p-3618



MOT PAVEMENT MARKING LEGEND
 (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
 (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND
 [Hatched Box] WORK ZONE AREA
 [Arrow] DIRECTION OF TRAFFIC
 [Line with Dots] TEMPORARY CONCRETE BARRIER (70400100)
 [T-shaped Symbol] PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 [T-shaped Symbol] EXISTING SIGN
 [Circle with Dots] IMPACT ATTENUATOR
 [Dotted Line] DRUM OR BARRICADE SPACING
 50' C-C ON TANGENTS
 25' C-C ON TAPERS OR LANE SHIFTS
 12' C-C ON RADII'S OR RAMPS
 5' C-C FOR RAMP OR ROAD CLOSURES

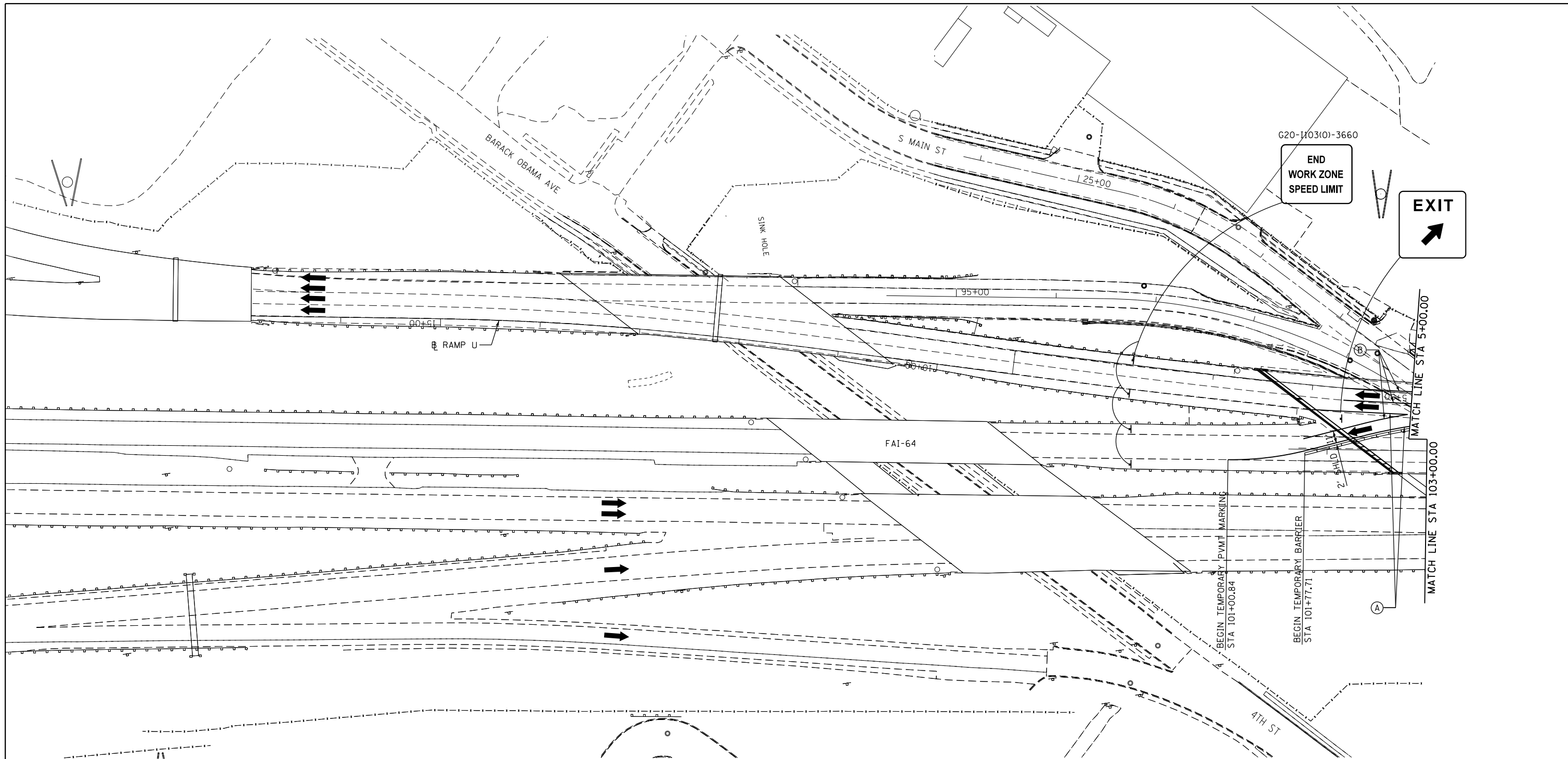


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		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1b
 FAI-64
 SCALE: 1" = 50' SHEET NO. 16 OF 20 SHEETS STA. 130+00.00 TO STA.

F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 58
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

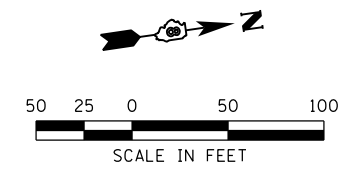


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADIUS OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		PLOT SCALE = *SCALE*	CHECKED - JHL
		PLOT DATE = *DATE*	DATE - 7-28-14

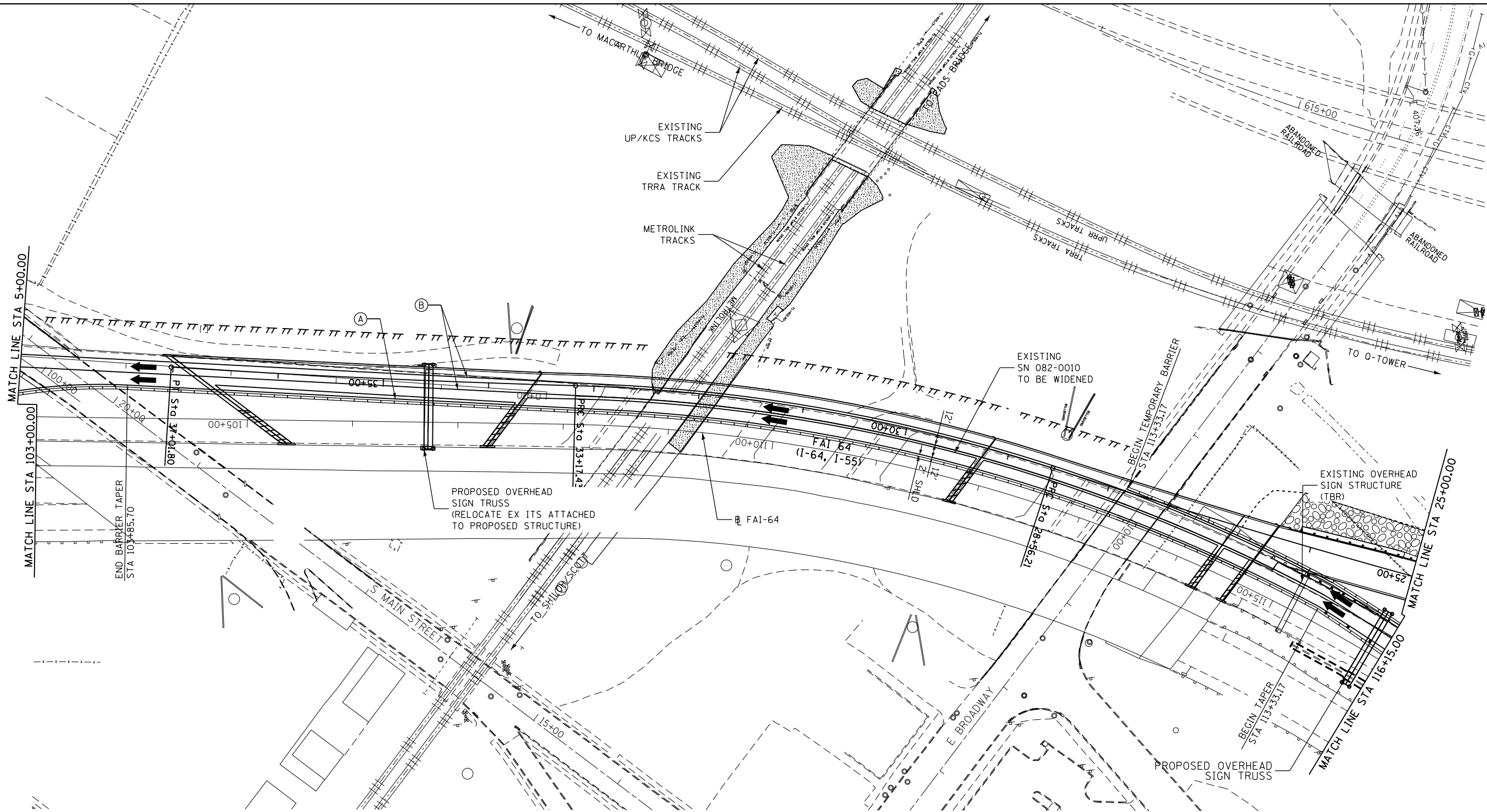
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 2
FAI-64

SHEET NO. 17 OF 20 SHEETS STA. 101+61.32 TO STA. 103+00.00

F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 59
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

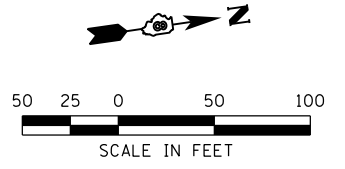


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

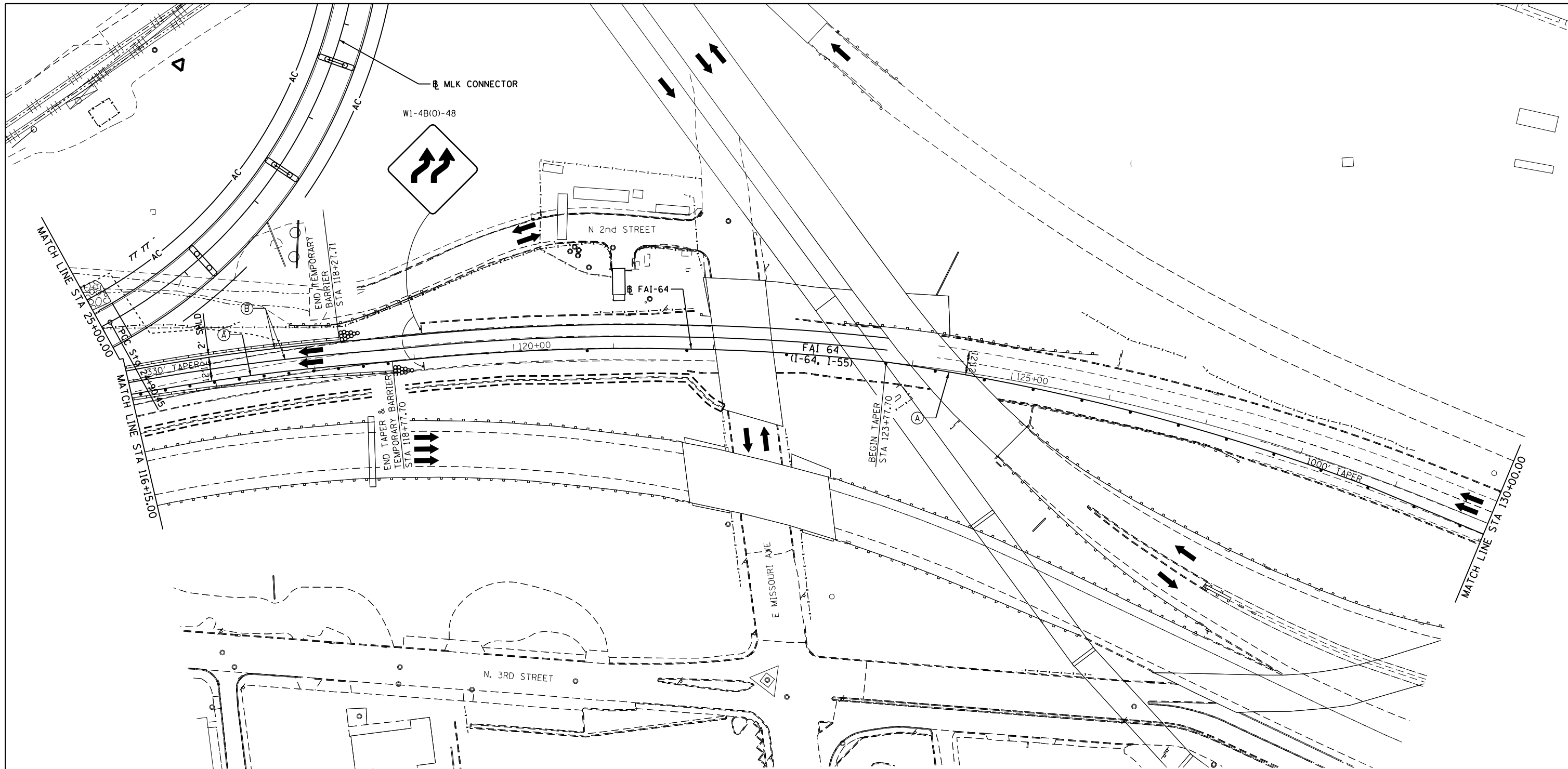
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC STAGE 2
FAI-64

SCALE: 1' = 50' SHEET NO. 18 OF 20 SHEETS STA. 103+00.00 TO STA. 116+15.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	60
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

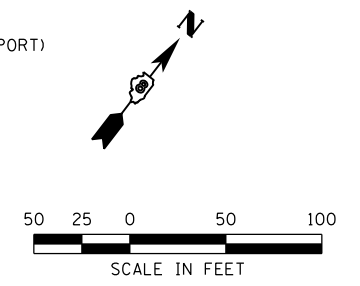


MOT PAVEMENT MARKING LEGEND

- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
- (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

MOT LEGEND

- WORK ZONE AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (70400100)
- PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
- EXISTING SIGN
- IMPACT ATTENUATOR
- DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



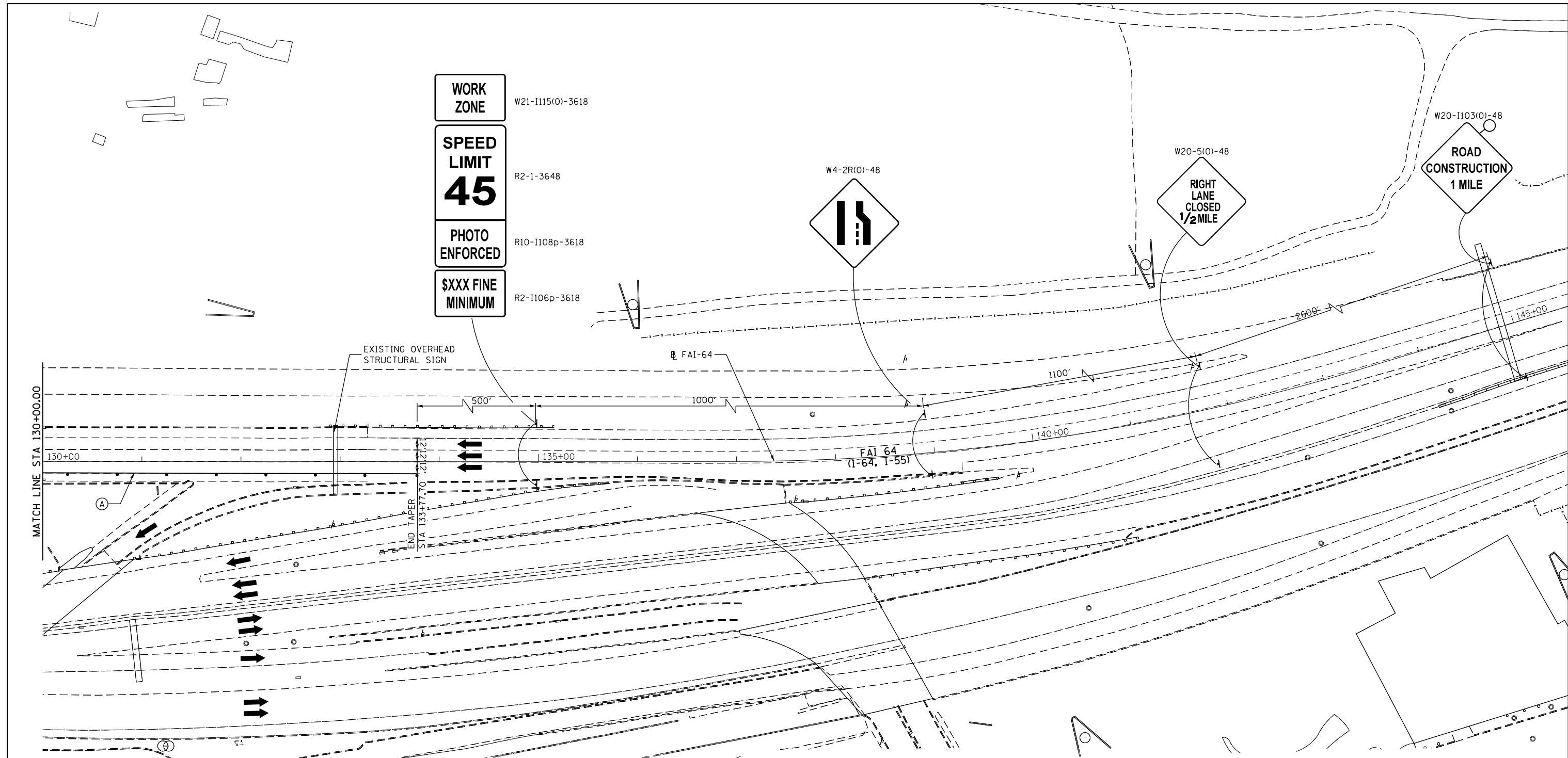
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		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2
FAI-64

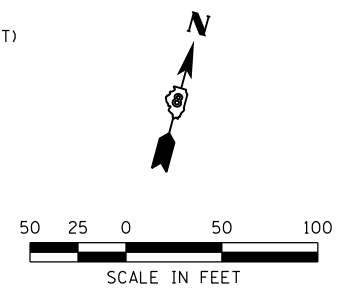
SCALE: 1' = 50' SHEET NO. 19 OF 20 SHEETS STA. 116+15.00 TO STA. 130+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	61
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



- MOT PAVEMENT MARKING LEGEND**
- (A) TEMPORARY PAVEMENT MARKING 4" (SOLID YELLOW)
 - (B) TEMPORARY PAVEMENT MARKING 4" (SOLID WHITE)

- MOT LEGEND**
- WORK ZONE AREA
 - DIRECTION OF TRAFFIC
 - TEMPORARY CONCRETE BARRIER (70400100)
 - PROPOSED SIGN (PORTABLE OR PERMANENT SUPPORT)
 - EXISTING SIGN
 - IMPACT ATTENUATOR
 - DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENTS
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' C-C ON RADII'S OR RAMPS
 - 5' C-C FOR RAMP OR ROAD CLOSURES



FILE NAME = *FILE*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - JHL	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




MAINTENANCE OF TRAFFIC STAGE 2
FAI-64

SCALE: 1' = 50' SHEET NO. 20 OF 20 SHEETS STA. 130+00.00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	62
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

LEGEND

TEMPORARY EROSION CONTROL

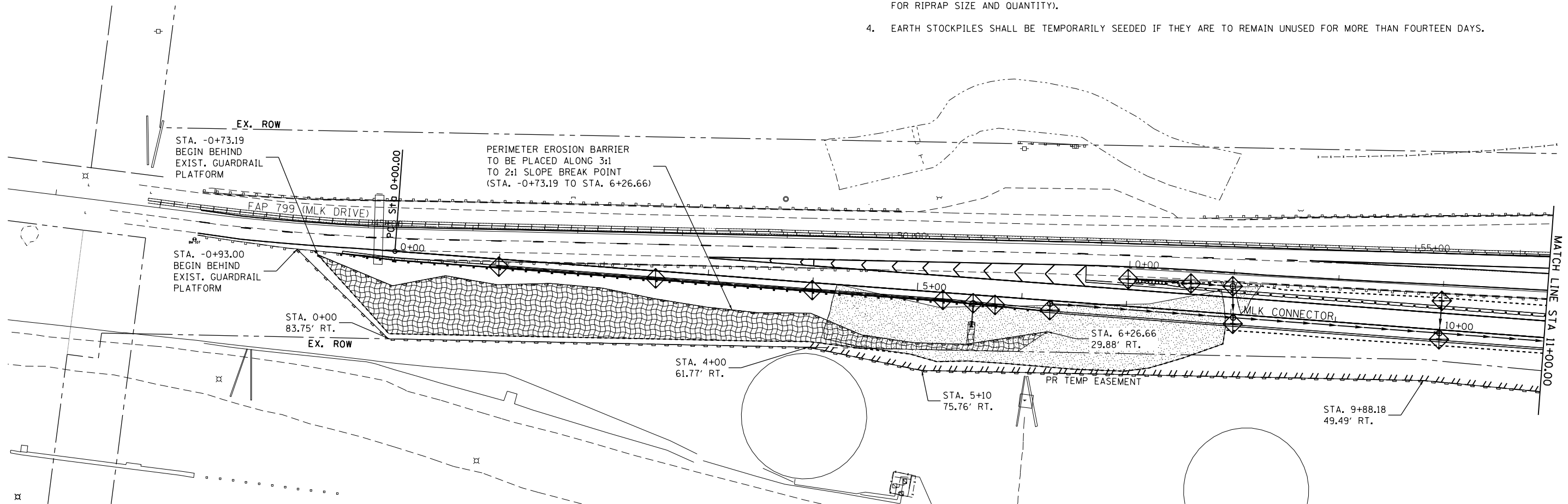
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  HEAVY DUTY EROSION CONTROL BLANKET

PERMANENT EROSION CONTROL

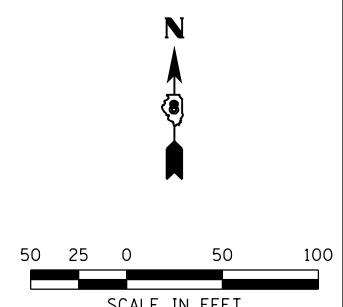
-  RIPRAP & FILTER FABRIC (REFER TO DRAINAGE PLANS FOR LOCATION & QUANTITY)

EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
2. CLASS 7 SEEDING AND METHOD 3A MULCH SHALL BE APPLIED ON ALL SLOPES DURING CONSTRUCTION. CLASS 7 SEEDING AND TEMPORARY HEAVY-DUTY EROSION CONTROL BLANKET SHALL BE APPLIED ON 1 TO 2 OR STEEPER SLOPES DURING CONSTRUCTION WHERE PERMANENT RIPRAP AND FILTER FABRIC CANNOT BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK.
3. CLASS 3A SEEDING AND METHOD 3A MULCH SHALL BE APPLIED ON 1 TO 3 OR FLATTER SLOPES IMMEDIATELY UPON COMPLETION OF EARTHWORK. ANY TEMPORARY HEAVY-DUTY EROSION CONTROL BLANKET SHALL BE REMOVED AND RIPRAP/FILTER FABRIC SHALL BE APPLIED ON 1 TO 2 OR STEEPER SLOPES AND AT STORM SEWER DISCHARGE POINTS IMMEDIATELY UPON COMPLETION OF EARTHWORK (REFER TO DRAINAGE PLANS FOR RIPRAP SIZE AND QUANTITY).
4. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.






TEMPORARY EROSION CONTROL SCHEDULE - SHEET #1								
LOCATION					CORRESPONDING DRAINAGE STRUCTURE NUMBER	INLET & PIPE PROTECTION (EACH)	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY HEAVY-DUTY EROSION CONTROL BLANKET (SQ YD)
STATION	OFFSET	to	STATION	OFFSET				
STA. 1+00.00	7.02' RT.	-	-	-	1	1		
STA. 2+50.00	7.02' RT.	-	-	-	2	1		
STA. 4+00.00	7.02' RT.	-	-	-	3	1		
STA. 5+25.00	7.02' RT.	-	-	-	4	1		
STA. 5+54.07	8.11' RT.	-	-	-	5	1		
STA. 5+75.00	8.57' RT.	-	-	-	7	1		
STA. 6+27.50	8.47' RT.	-	-	-	9	1		
STA. 7+00.00	25.96' LT.	-	-	-	10	1		
STA. 7+60.00	26.30' LT.	-	-	-	11	1		
STA. 8+00.00	26.59' LT.	-	-	-	12	1		
STA. 8+02.65	8.47' RT.	-	-	-	14	1		
STA. 10+00.00	27.65' LT.	-	-	-	15	1		
STA. 10+00.00	8.47' RT.	-	-	-	17	1		
STA. -0+93.00	RT.	to	STA. 11+00.00		-		1,225	
STA. -0+73.19	RT.	to	STA. 6+26.66	RT.	-		712	
STA. -0+73.19	RT.	to	STA. 6+26.66	RT.	-		2,629	
TOTALS (SHEET #1)						13	1,937	2,629




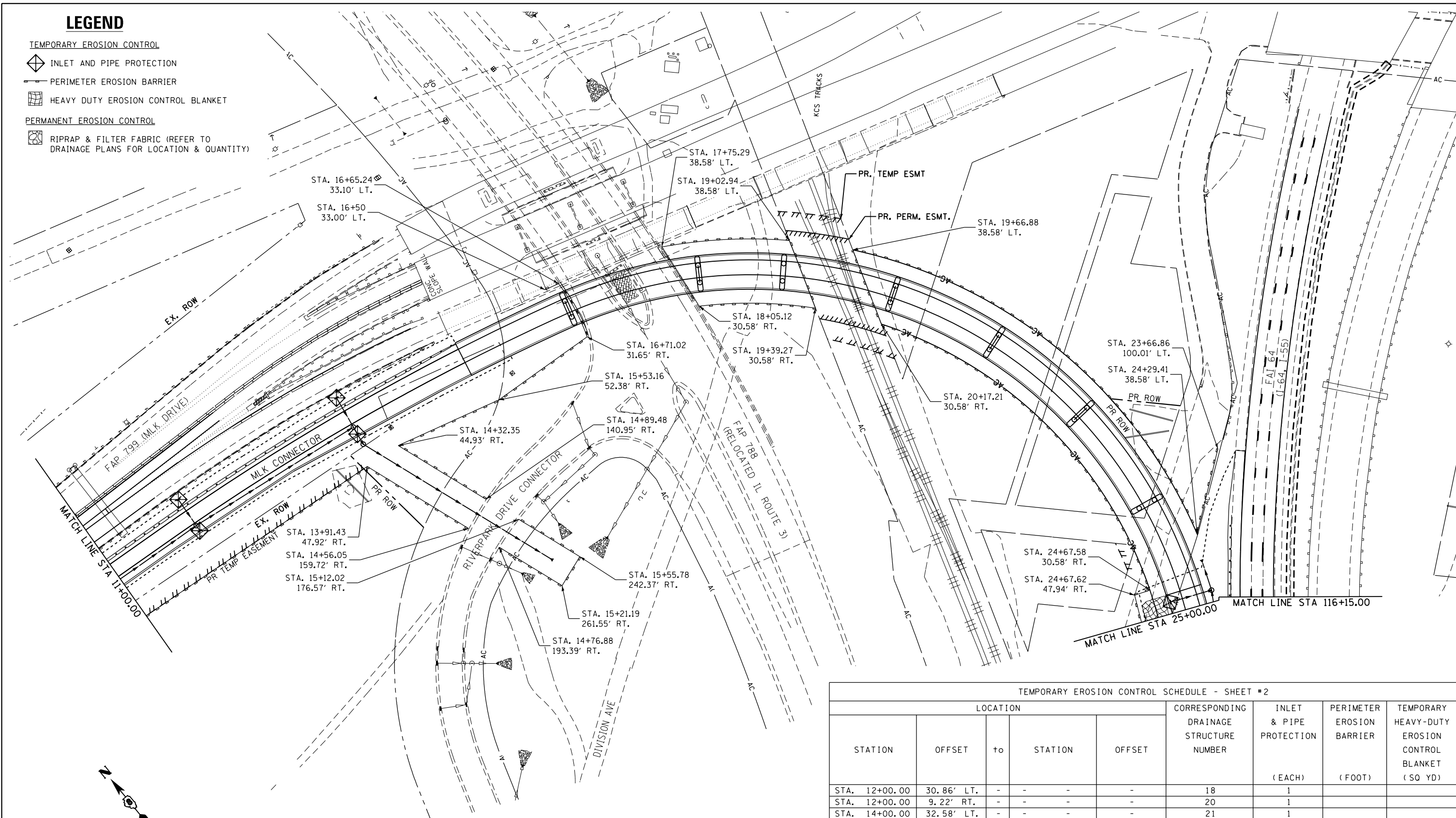
LEGEND

TEMPORARY EROSION CONTROL

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  HEAVY DUTY EROSION CONTROL BLANKET

PERMANENT EROSION CONTROL

-  RIPRAP & FILTER FABRIC (REFER TO DRAINAGE PLANS FOR LOCATION & QUANTITY)



TEMPORARY EROSION CONTROL SCHEDULE - SHEET #2

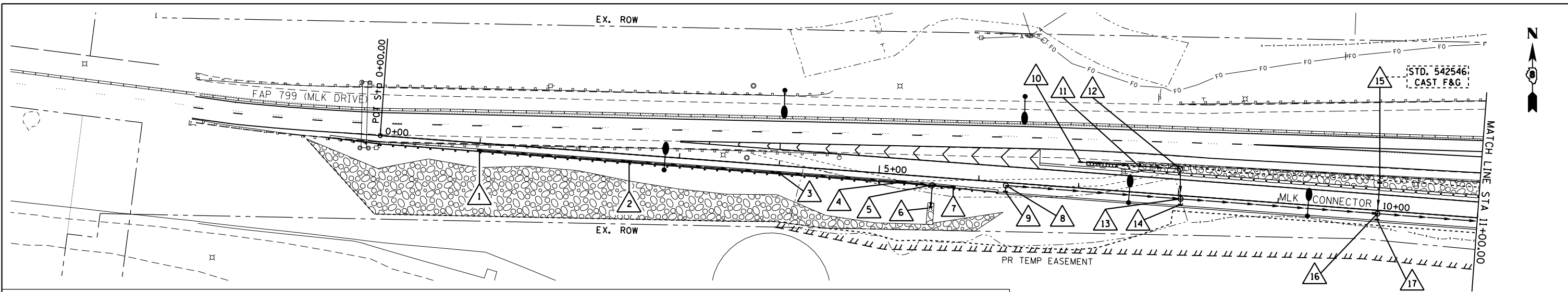
LOCATION					CORRESPONDING DRAINAGE STRUCTURE NUMBER	INLET & PIPE PROTECTION (EACH)	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY HEAVY-DUTY EROSION CONTROL BLANKET (SQ YD)
STATION	OFFSET	to	STATION	OFFSET				
STA. 12+00.00	30.86' LT.	-	-	-	18	1		
STA. 12+00.00	9.22' RT.	-	-	-	20	1		
STA. 14+00.00	32.58' LT.	-	-	-	21	1		
STA. 14+00.00	11.78' RT.	-	-	-	23	1		
STA. 24+87.50	12.51' RT.	-	-	-	28	1		
STA. 11+00.00		to	STA. 14+56.05		-		415	
STA. 14+76.88		to	STA. 15+12.02		-		194	
STA. 14+89.48		to	STA. 16+71.40		-		428	
STA. 17+75.29		to	STA. 19+39.27		-		418	
STA. 19+66.88		to	STA. 25+00.00		-		1,149	
STA. 24+79.00		to	STA. 25+00.00		-			84
TOTALS (SHEET #2)						5	2,604	84

FILE NAME =	USER NAME = bg	DESIGNED - JRD	REVISED -
#FILE#		DRAWN - MSK	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED - SLD	REVISED -
	PLOT DATE = 8/6/2014	DATE - 8/8/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EFK Moen, LLC Civil Engineering Design	EROSION CONTROL PLAN MLK CONNECTOR	
SCALE: 1' = 50'	SHEET NO. 2 OF 3 SHEETS	STA. 11+00.00 TO STA. 25+00.00

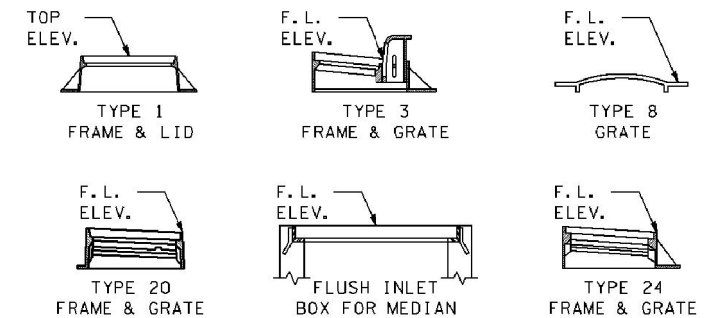
F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 64
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



DRAINAGE STRUCTURE SCHEDULE - SHEET #1

DRAINAGE STRUCTURE NUMBER	LOCATION*		STRUCTURE CASTING TOP ELEVATION (FEET)	STRUCTURE CASTING FLOWLINE ELEVATION (FEET)	LOWEST PIPE INVERT ELEVATION (FEET)	INLETS TB T3F&G (EACH)	INLETS TB T8G (EACH)	INLETS TB T20F&G (EACH)	INLETS TB T24F&G (EACH)	MAN TA 4 DIA T1F CL (EACH)	MAN TA 4 DIA T3F&G (EACH)	MAN TA 4 DIA T8G (EACH)	MAN TA 5 DIA T1F CL (EACH)	FL INLT BX MED 542546 (EACH)	FLAT SLAB TOP REQ'D
	STATION	OFFSET													
1	STA. 1+00.00	7.02' RT.	-	428.88	423.82				1						
2	STA. 2+50.00	7.02' RT.	-	423.09	418.03				1						
3	STA. 4+00.00	7.02' RT.	-	418.04	412.99				1						
4	STA. 5+25.00	7.02' RT.	-	416.25	410.97				1						
5	STA. 5+54.07	8.11' RT.	-	416.10	410.61						1				YES
7	STA. 5+75.00	8.57' RT.	-	416.12	411.09	1									
8*****	STA. 6+27.50	3.00' RT.	416.86	-	411.94					1					YES
9	STA. 6+27.50	8.47' RT.	-	416.57	412.02			1							
10	STA. 7+00.00	25.96' LT.	-	417.82	412.60									1	
11	STA. 7+60.00	26.30' LT.	-	418.48	412.02		1								
12	STA. 8+00.00	26.59' LT.	-	418.90	411.61						1				
13*****	STA. 8+02.65	3.25' RT.	419.39	-	410.23								1		
14	STA. 8+02.65	8.47' RT.	-	419.10	413.89			1							
15	STA. 10+00.00	27.65' LT.	-	424.74	419.65									1	
16*****	STA. 10+00.00	3.25' RT.	425.22	-	409.50								1		
17	STA. 10+00.00	8.47' RT.	-	424.89	419.70			1							
TOTALS (SHEET #1)						1	1	3	4	1	1	1	2	2	

NOTE:
DRAINAGE STRUCTURES NOTED "STD. 542546 CAST F&G" MUST HAVE CAST FRAME & GRATE SHOWN ON IDOT HIGHWAY STANDARD 542546 (FOR HYDRAULIC PURPOSES).



* NOTE: DRAINAGE STRUCTURE LOCATIONS PROVIDED AT CENTER OF DRAINAGE STRUCTURE (NOT AT CENTER OF DRAINAGE CASTING).

***** SPECIFIC DRAINAGE CASTING CENTER LOCATIONS:
8 = STA. 6+28.50 3.00' RT.
13 = STA. 8+04.15 3.25' RT.
16 = STA. 10+01.50 3.25' RT.

END SECTION SCHEDULE - SHEET #1

DRAINAGE STRUCTURE NUMBER	LOCATION**		END SECTION INVERT ELEVATION (@ PIPE CONNECTION)	PRC FLAR END SEC 18 (EACH)	STONE RIPRAP CL A4 (SQ YD)	FILTER FABRIC (SQ YD)
	STATION	OFFSET				
6	STA. 5+54.07	25.20' RT.	410.53	1	18	18
TOTALS (SHEET #1)						

** NOTE: END SECTION LOCATIONS PROVIDED AT END-OF-PIPE/ END SECTION CONNECTION (NOT AT DOWNSTREAM END OF END SECTION).

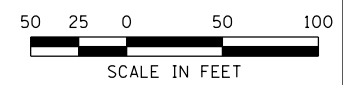
EMBANKMENT & DITCH RIPRAP SCHEDULE - SHEET #1

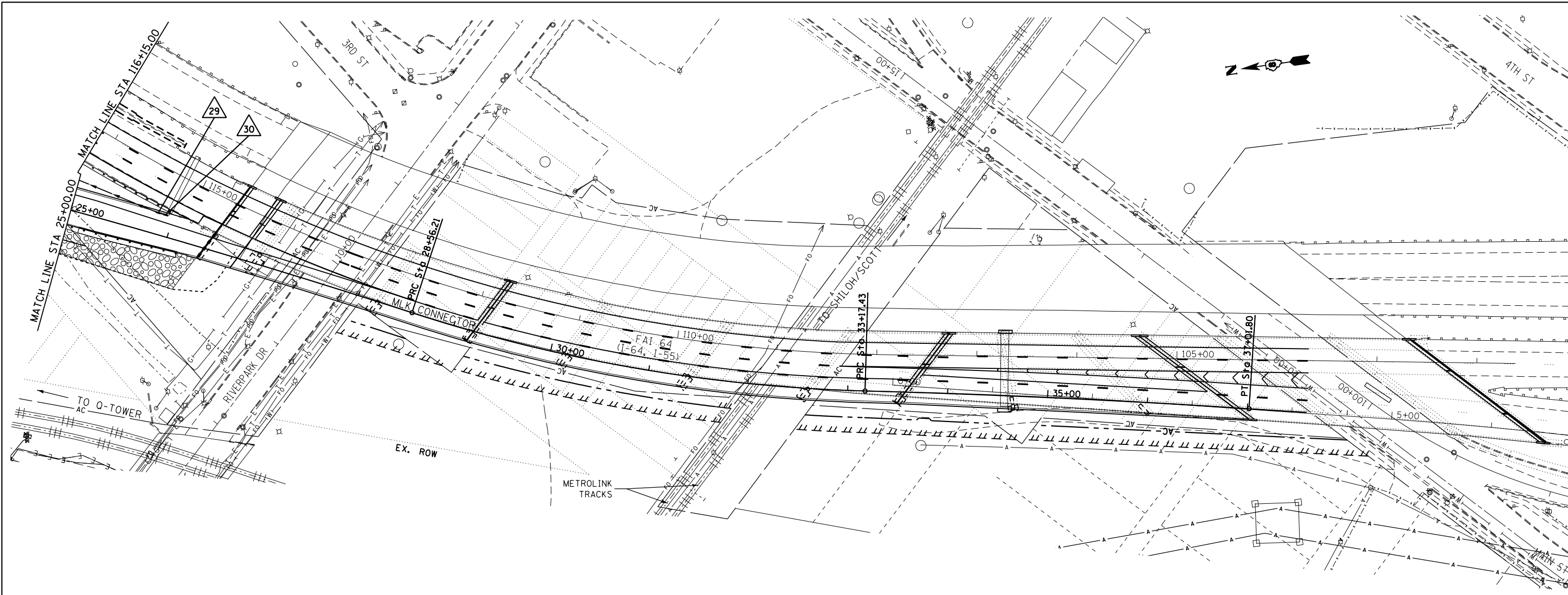
LOCATION				STONE RIPRAP CL A4 (SQ YD)	FILTER FABRIC (SQ YD)
STATION	OFFSET	to	STATION		
STA. -0+73.19	RT.	to	STA. 6+26.66	2,611	2,611
STA. 7+58.67	LT.	to	STA. 11+00.00	447	447
TOTALS (SHEET #1)					3,058

STORM SEWER SCHEDULE - SHEET #1

PIPE I.D. (DS to DS)	UPSTREAM INVERT (@ INSIDE FACE OF D.S. OR PIPE END / F.E.S.)	DOWNSTREAM INVERT (@ INSIDE FACE OF D.S. OR PIPE END / F.E.S.)	APPROX. SLOPE	PIPE LENGTH INSIDE UPSTREAM (FOOT)	PIPE LENGTH INSIDE DOWNSTREAM (FOOT)	STORM SEW CL A 12 (FOOT)	STORM SEW CL A 15 (FOOT)	STORM SEW CL A 18 (FOOT)	STORM SEW CL A 22 (FOOT)	STORM SEW CL A 24 (FOOT)	STORM SEW CL A 30 (FOOT)	STORM SEW CL A 36 (FOOT)	TRENCH BACKFILL (CU YD)
1 to 2	423.82	418.13	3.87%	0.50	0.50	148							47
2 to 3	418.03	413.08	3.37%	0.50	0.50	148							47
3 to 4	412.99	411.05	1.59%	0.50	0.50	123							41
4 to 5	410.97	410.68	1.17%	0.50	0.50		27						9
5 to 6	410.61	410.53	0.50%	0.50	-			16					1
7 to 5	411.09	410.92	0.92%	0.50	0.50	19							6
9 to 8	412.02	412.00	0.67%	0.50	0.50	3							-
8 to 13	411.94	411.18	0.44%	0.50	1.00				173				-
10 to 11	412.60	412.08	0.90%	-	0.50					58			49
11 to 12	412.02	411.68	0.91%	0.50	0.50					38			-
12 to 13	411.61	411.34	1.08%	0.50	1.00					27			27
14 to 13	413.89	413.86	2.57%	0.50	1.00	3							-
13 to 16	410.23	409.56	0.34%	1.00	1.00						195		-
15 to 16	419.65	419.33	1.18%	-	1.00			28					17
17 to 16	419.70	419.67	2.57%	0.50	1.00	3							-
16 to 19	409.50	408.80	0.36%	1.00	1.00							197	-
TOTALS (SHEET #1)						447	27	16	201	123	195	197	244

*** NOTE: LENGTH REQUIRED (ALONG C.L. OF PIPE) TO PROVIDE MAXIMUM CONCRETE FILL SLOPE ACROSS NON-DROP INLETS/MANHOLES - REFER TO APPROPRIATE IDOT HIGHWAY STANDARD.





DRAINAGE STRUCTURE SCHEDULE - SHEET #3

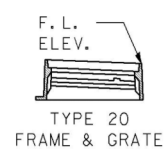
DRAINAGE STRUCTURE NUMBER	LOCATION*		STRUCTURE CASTING TOP ELEVATION (FEET)	STRUCTURE CASTING FLOWLINE ELEVATION (FEET)	LOWEST PIPE INVERT ELEVATION (FEET)	INLETS TB T20F&G (EACH)
	STATION	OFFSET				
29	STA. 25+84.75	20.47' LT.	-	427.72	420.39	1
30	STA. 25+92.60	20.47' LT.	-	427.73	422.66	1
TOTALS (SHEET #3)						2

* NOTE: DRAINAGE STRUCTURE LOCATIONS PROVIDED AT CENTER OF DRAINAGE STRUCTURE (NOT AT CENTER OF DRAINAGE CASTING).

STORM SEWER SCHEDULE - SHEET #3

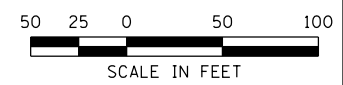
PIPE I.D. (DS to DS)	UPSTREAM INVERT (@ INSIDE FACE OF D.S. OR PIPE END / F.E.S.)	DOWNSTREAM INVERT (@ INSIDE FACE OF D.S. OR PIPE END / F.E.S.)	APPROX. SLOPE	PIPE LENGTH INSIDE UPSTREAM D.S. (FOOT)	PIPE LENGTH INSIDE DOWNSTREAM D.S. (FOOT)	STORM SEW CL A 12 (FOOT)	TRENCH BACKFILL (CU YD)
30 to 29	422.66	422.58	1.70%	0.50	0.50	6	2
TOTALS (SHEET #3)						6	2

*** NOTE: LENGTH REQUIRED (ALONG C.L. OF PIPE) TO PROVIDE MAXIMUM CONCRETE FILL SLOPE ACROSS NON-DROP INLETS/MANHOLES - REFER TO APPROPRIATE IDOT HIGHWAY STANDARD.



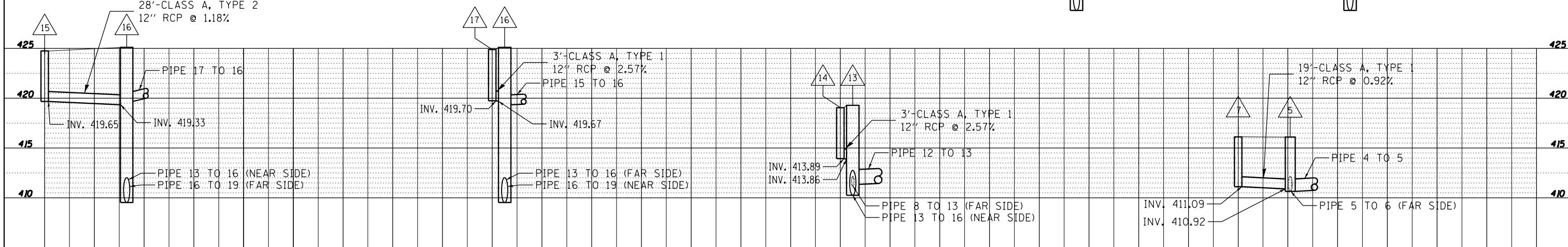
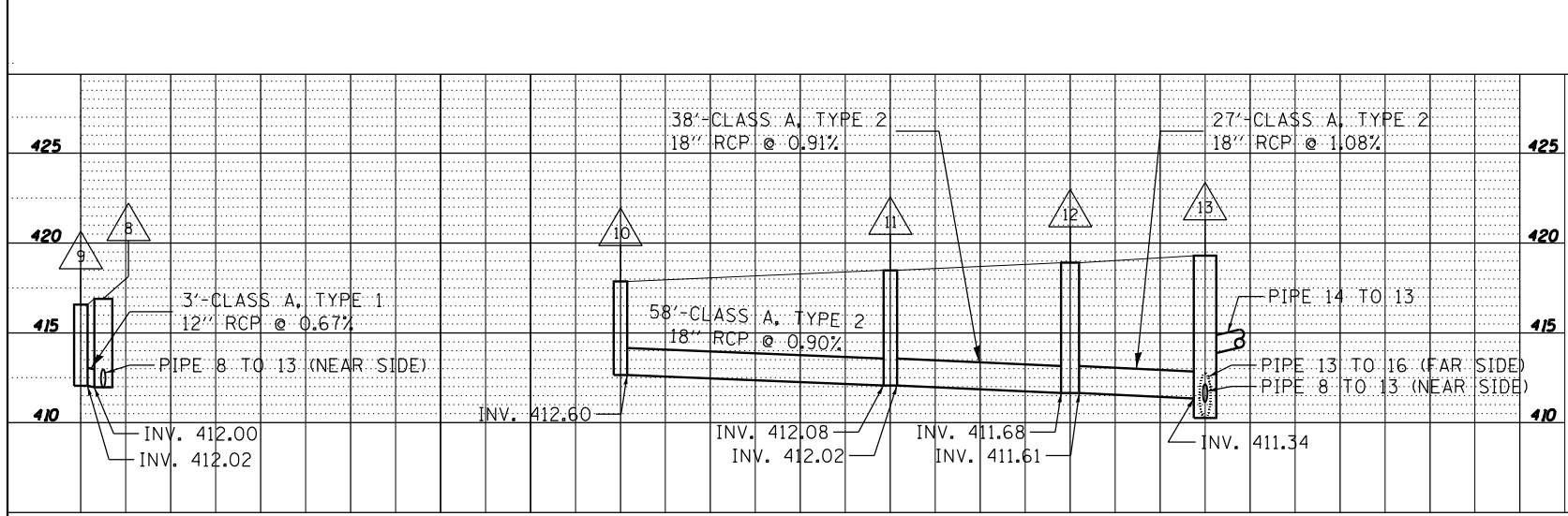
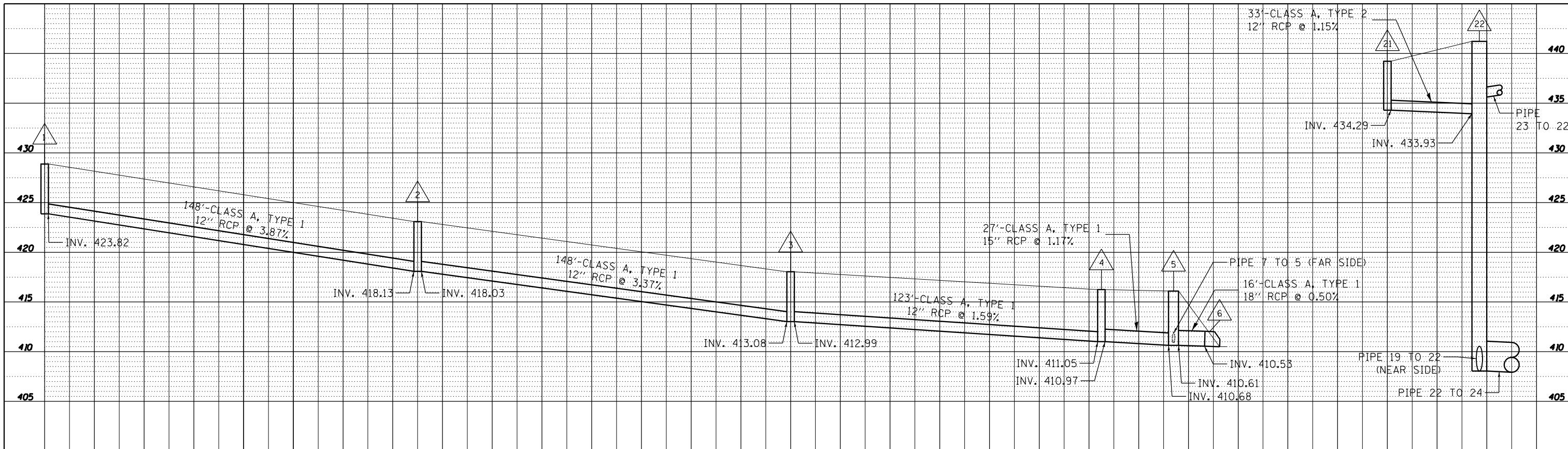
EMBANKMENT RIPRAP SCHEDULE - SHEET #3

LOCATION				STONE RIPRAP CL A4 (SQ YD)	FILTER FABRIC (SQ YD)
STATION	OFFSET	to	STATION		
STA. 25+00.00	RT.	to	STA. 26+33.29	579	579
TOTALS (SHEET #3)				579	579



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	FILE NAME	



EFK Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = bg	DESIGNED - BJC	REVISED -
FILEL		DRAWN - DWB	REVISED -
		CHECKED - SLD	REVISED -
MODELNAME	PLOT DATE = 8/6/2014	DATE - 8/8/14	REVISED -

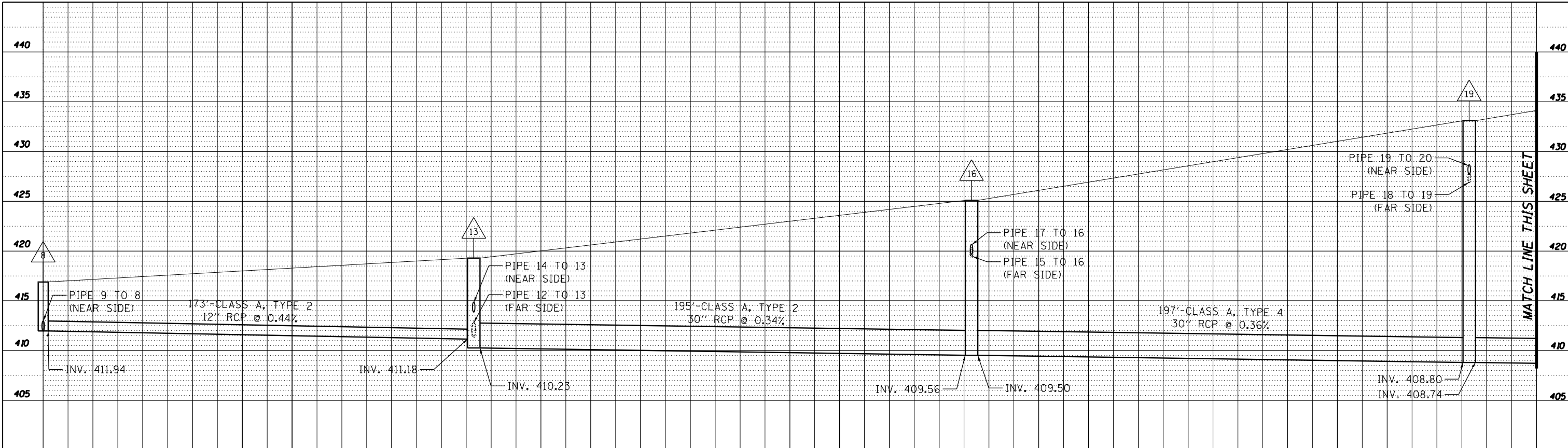
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILES
MLK CONNECTOR

SCALE: 20'H:5'V SHEET 1 OF 3 SHEETS STA. TO STA.

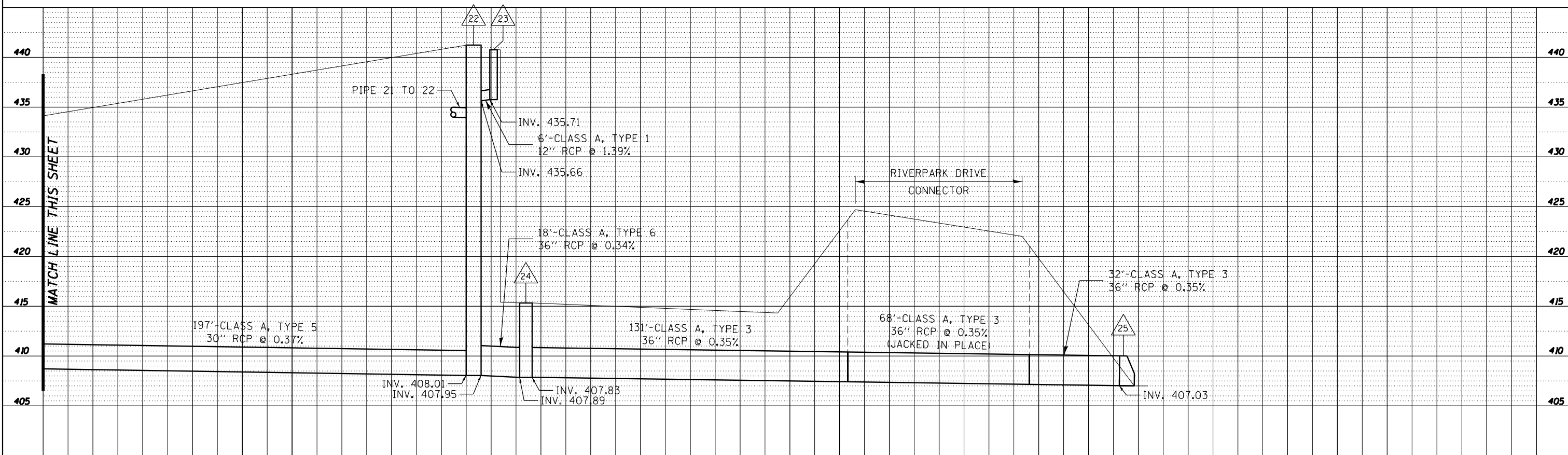
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-(1,4)B-1	ST. CLAIR	406	69
				CONTRACT NO. 76G09
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTED	
	FILE NAME	
	NO.	



EFK·Moen, LLC
Civil Engineering Design

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTED	
	FILE NAME	
	NO.	



FILE NAME =	USER NAME = bg	DESIGNED - BJC	REVISED -
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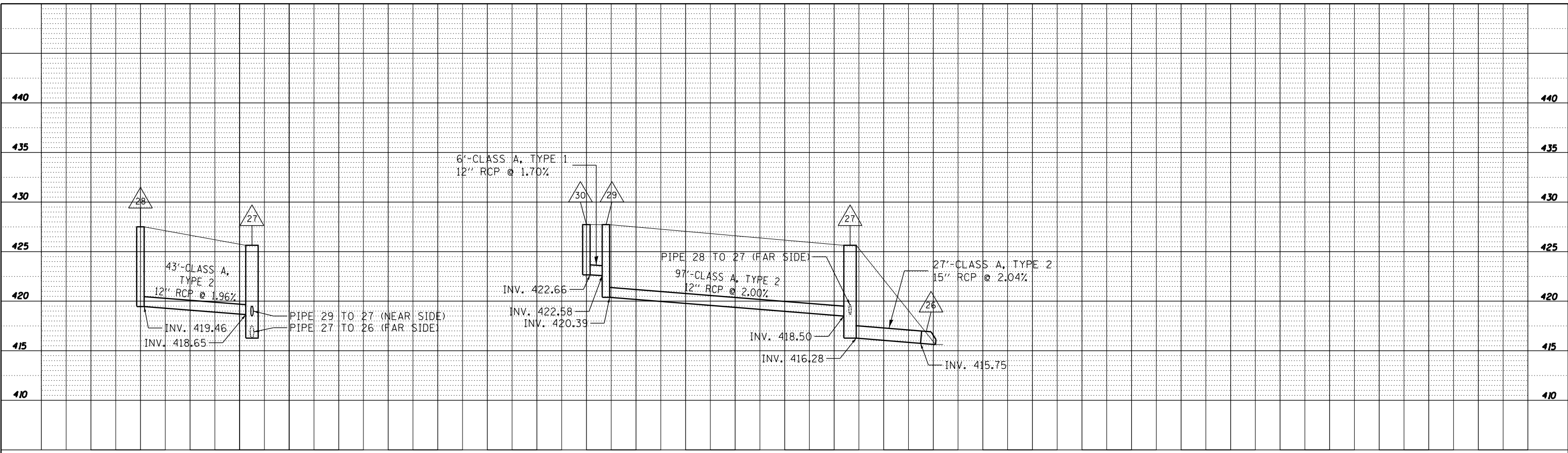
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILES
MLK CONNECTOR
SCALE: 20'H:5'V SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-(1,4)B-1	ST. CLAIR	406	70
				CONTRACT NO. 76G09
ILLINOIS FED. AID PROJECT				

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

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



EFK Moen, LLC
Civil Engineering Design

FILE NAME =	USER NAME = bg	DESIGNED - BJG	REVISED -
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MODELNAME	PLOT DATE = 8/6/2014	DATE - 8/8/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILES
MLK CONNECTOR

SCALE: 20'H:5'V SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-(1,4)B-1	ST. CLAIR	406	71
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	

SOUTH

ILLINOIS
3

Cahokia

1/4 MILE

PROPOSED

PROPOSED SIGN TO BE MOUNTED
ON EXIST PARAPET MOUNTED
MONOTUBE STRUCTURE STA 35+04.26
(SEE CONTRACT 76B03 FOR STRUCTURE
DETAILS)

EXISTING ϕ MLK DRIVE

2-STORY HOUSE
(ABANDONED)

BLDG

MATCH LINE STA 43+00.00

MISSISSIPPI RIVER

MISSOURI

30+00

35+00

40+00

FRONT STREET

"B" STREET



SCALE IN FEET



FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - TNS	REVISED -
		DRAWN - TNS	REVISED -
		CHECKED - TNS	REVISED -
		DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



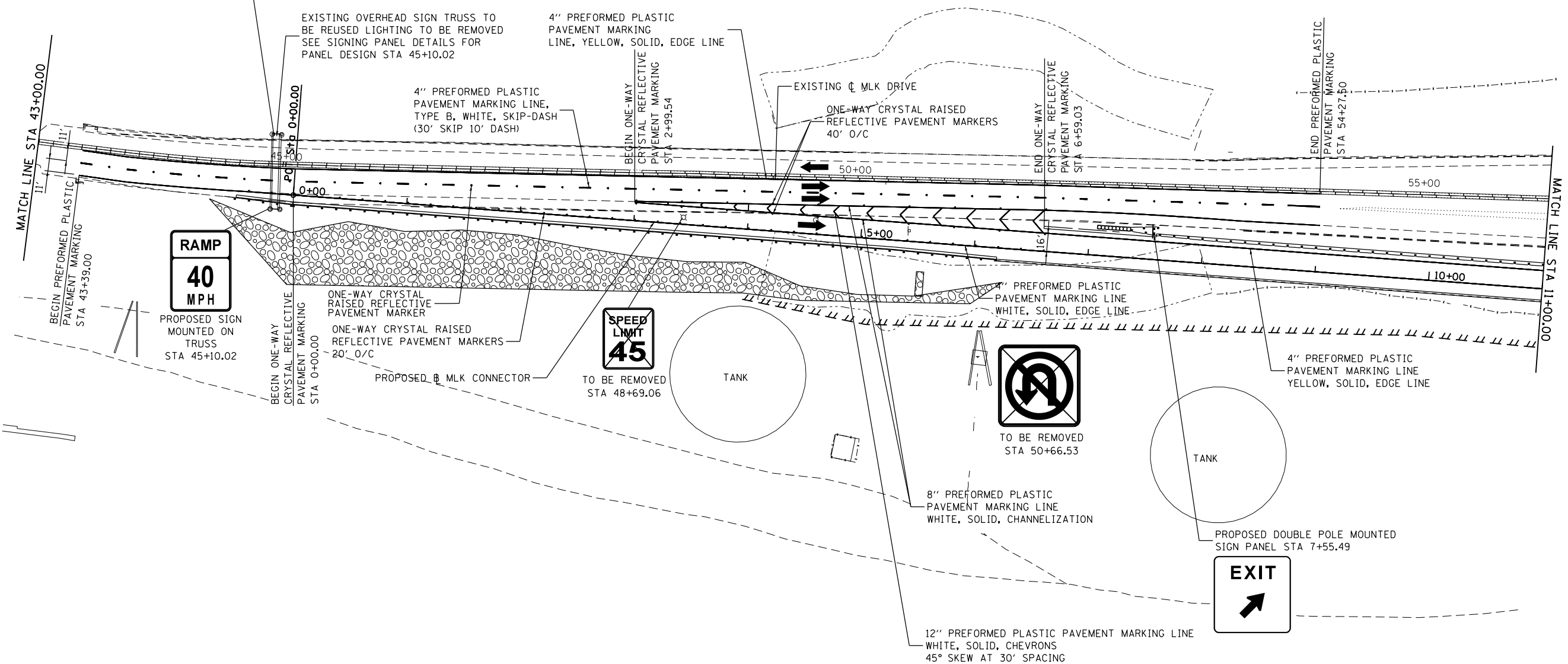
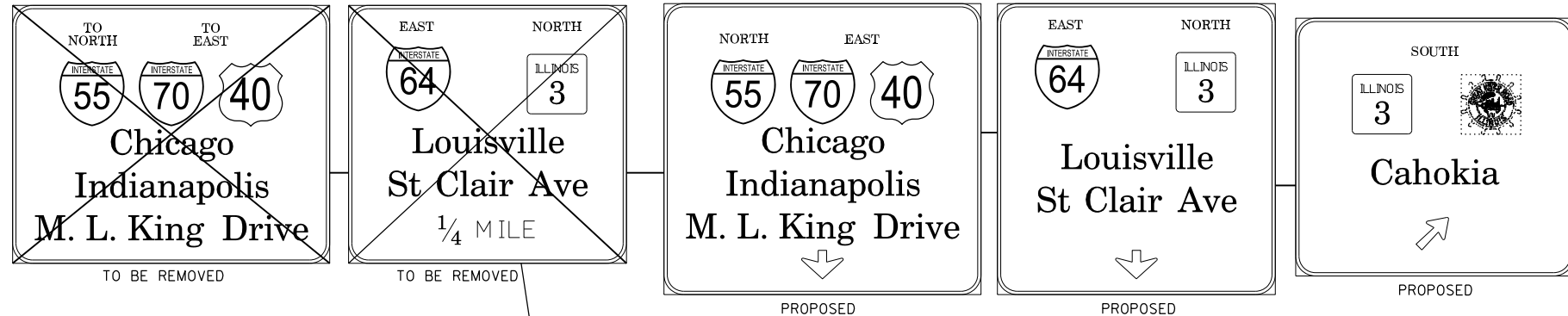
PAVEMENT MARKING AND SIGNAGE
MLK DRIVE

SCALE: 1' = 50'

SHEET NO. 1 OF 9 SHEETS

STA. 28+50.00 TO STA. 43+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	72
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

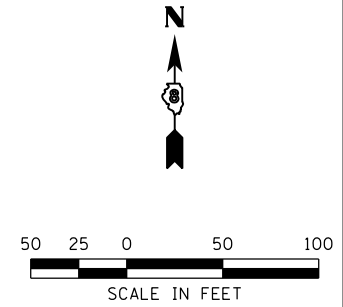


RAMP
40
MPH

SPEED
LIMIT
45



EXIT
↑



FILE NAME = *FILE*	USER NAME = *USER*	DESIGNED - TNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING AND SIGNAGE MLK CONNECTOR	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 7-28-14	REVISED -				SCALE: 1' = 50'			SHEET NO. 2 OF 9 SHEETS	

TO NORTH TO EAST

INTERSTATE 55 INTERSTATE 70 INTERSTATE 40

Chicago Indianapolis M. L. King Drive

EAST NORTH

INTERSTATE 64 ILLINOIS 3

Louisville St Clair Ave

NORTH EAST

INTERSTATE 55 INTERSTATE 70 INTERSTATE 40

Chicago Indianapolis M. L. King Drive

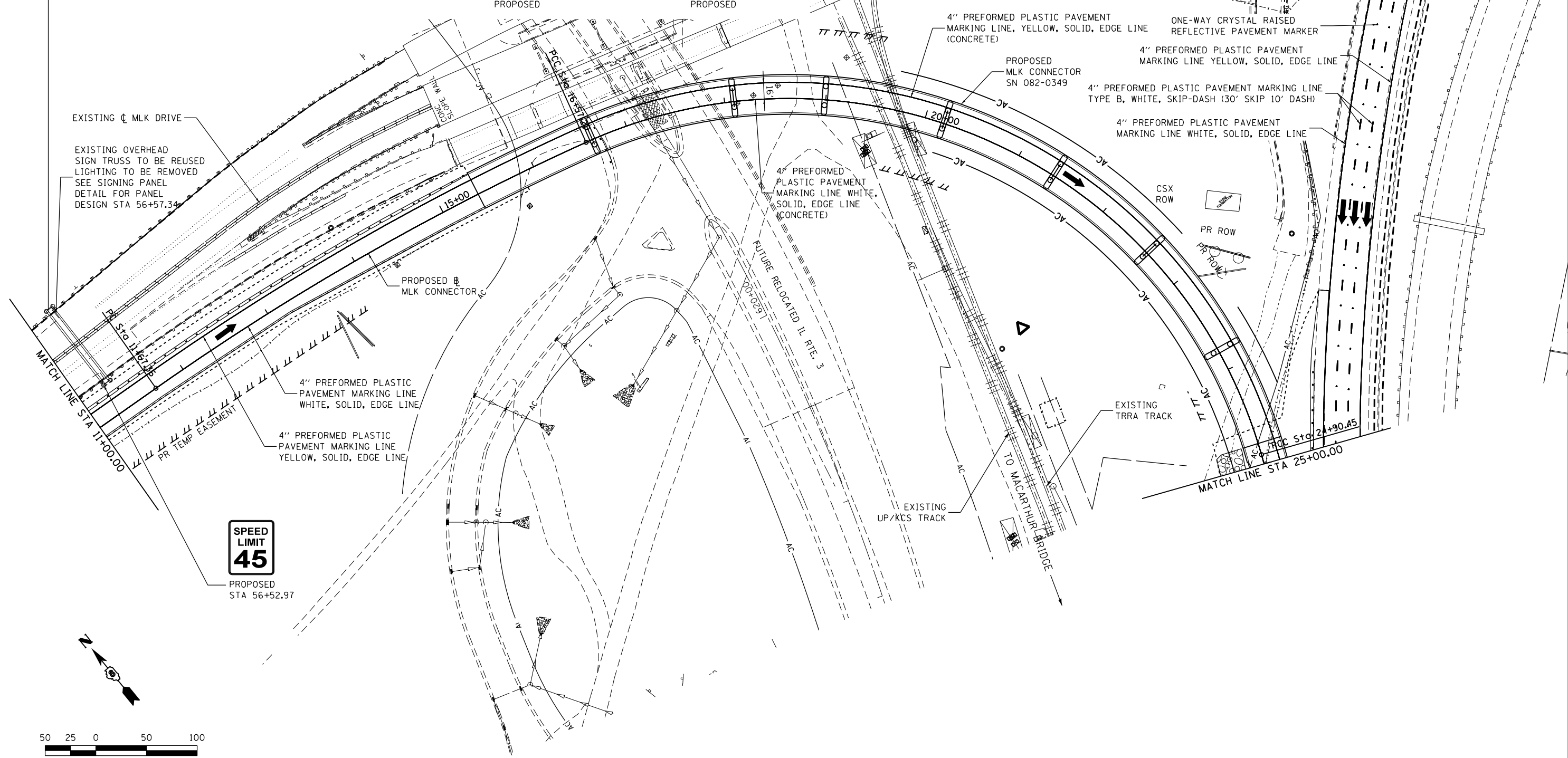
PROPOSED

EAST NORTH

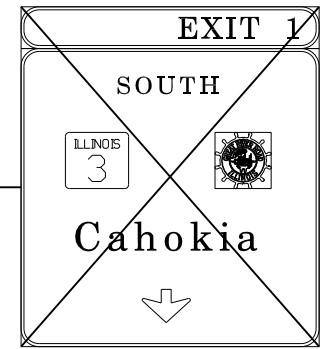
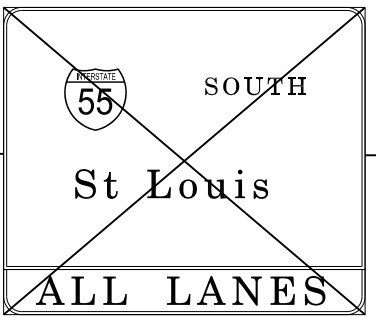
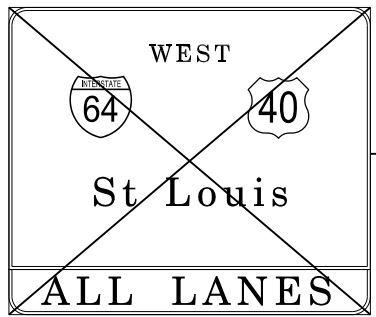
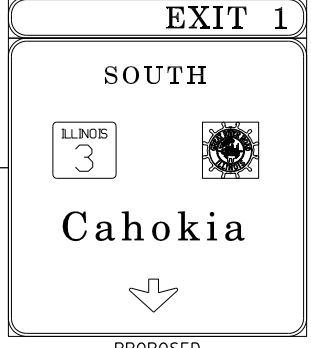
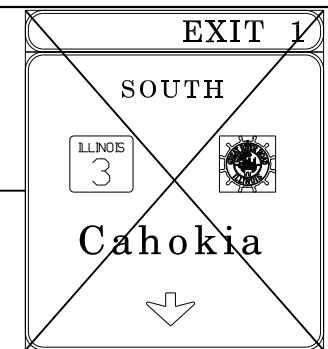
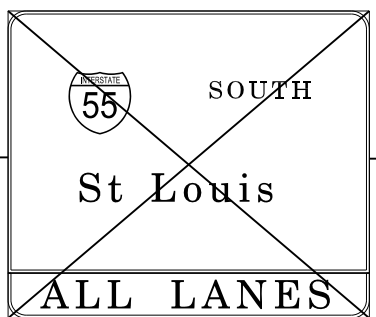
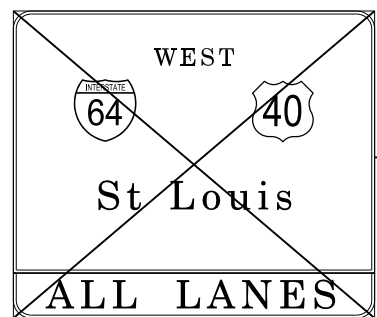
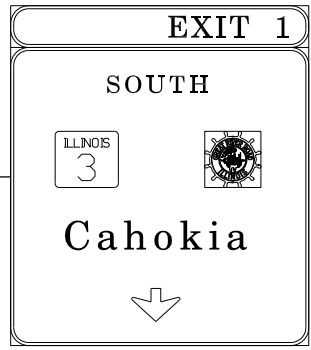
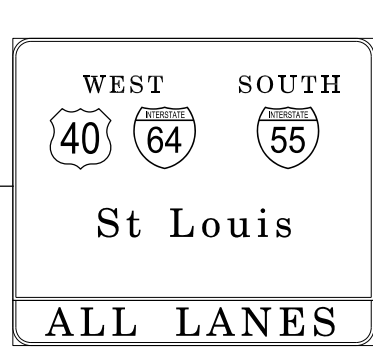
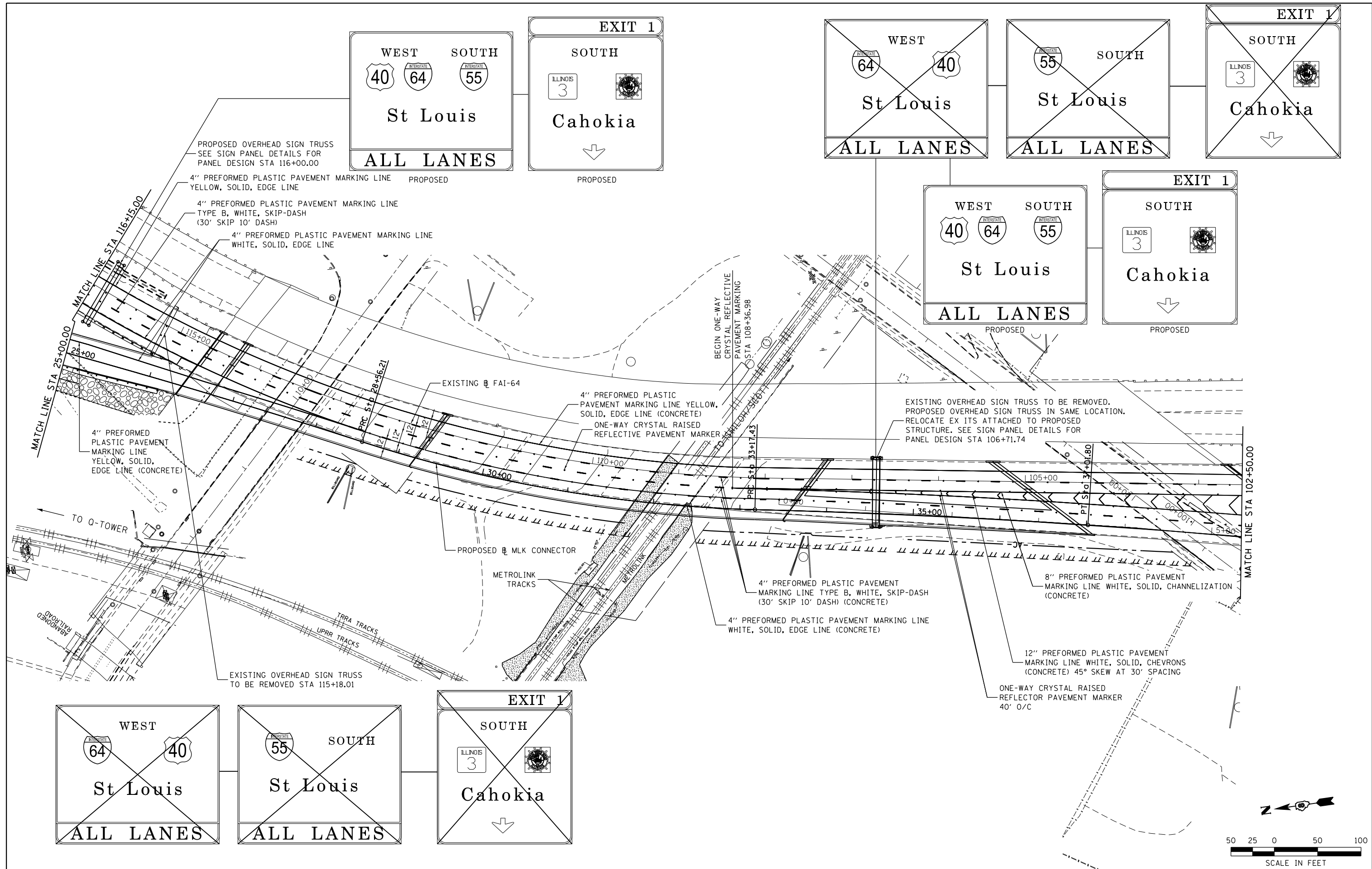
INTERSTATE 64 ILLINOIS 3

Louisville St Clair Ave

PROPOSED



FILE NAME =	USER NAME = *USER*	DESIGNED - TNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING AND SIGNAGE MLK CONNECTOR	F.A.I. RTE. 64	SECTION 82-(1,4)B-1	COUNTY ST. CLAIR	TOTAL SHEETS 406	SHEET NO. 74	
*FILE#		DRAWN - TNS	REVISED -				SCALE: 1" = 50'	SHEET NO. 3 OF 9 SHEETS	STA. 11+00.00 TO STA. 25+00.00	CONTRACT NO. 76G09		ILLINOIS FED. AID PROJECT
	PLOT SCALE = *SCALE*	CHECKED - JHL	REVISED -									
	PLOT DATE = *DATE*	DATE - 7-28-14	REVISED -									



PROPOSED OVERHEAD SIGN TRUSS
SEE SIGN PANEL DETAILS FOR
PANEL DESIGN STA 116+00.00

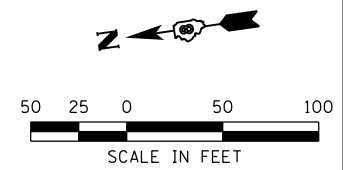
4" PREFORMED PLASTIC PAVEMENT MARKING LINE
YELLOW, SOLID, EDGE LINE

4" PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B, WHITE, SKIP-DASH
(30' SKIP 10' DASH)

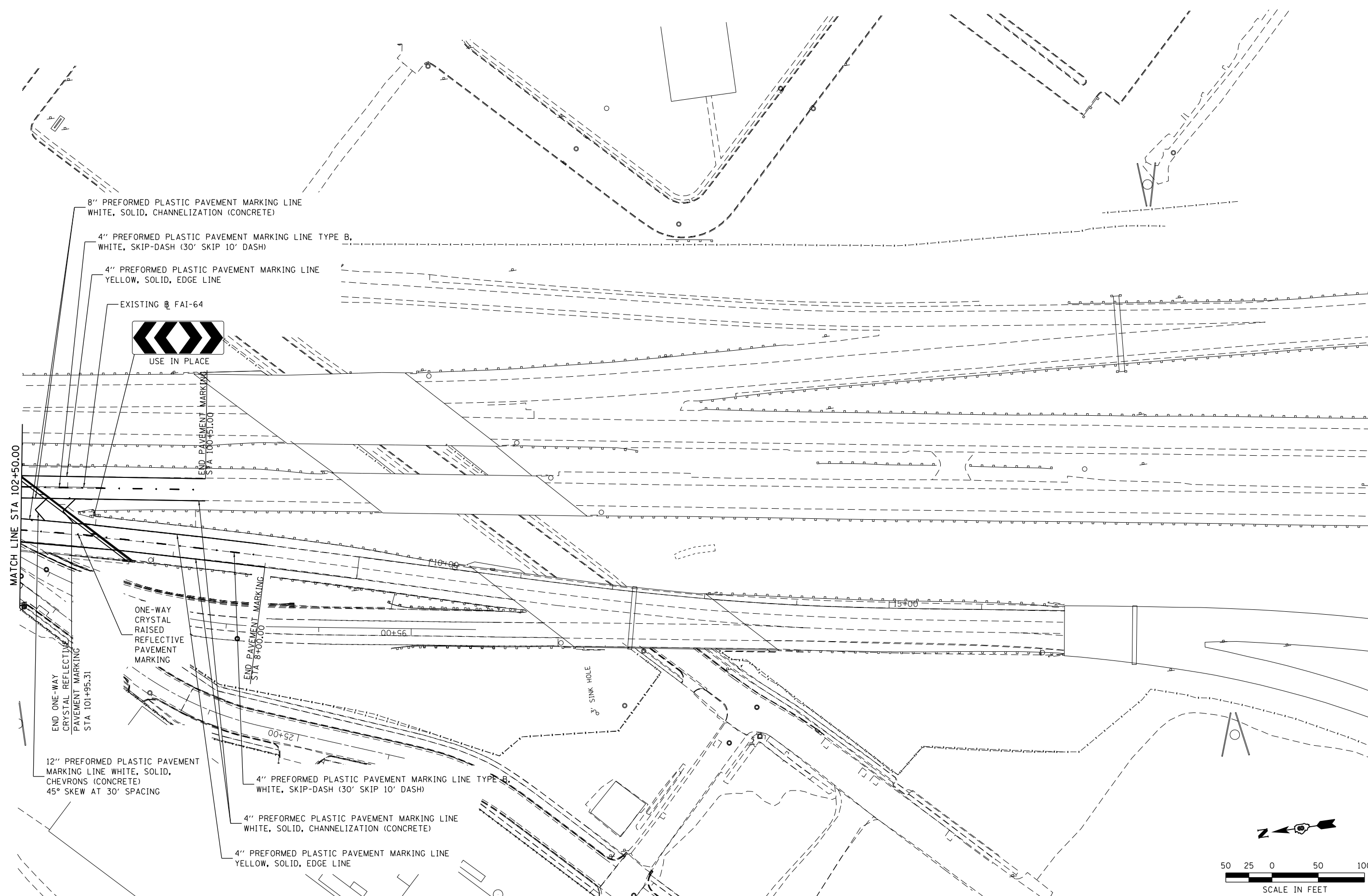
4" PREFORMED PLASTIC PAVEMENT MARKING LINE
WHITE, SOLID, EDGE LINE

EXISTING OVERHEAD SIGN TRUSS TO BE REMOVED.
PROPOSED OVERHEAD SIGN TRUSS IN SAME LOCATION.
RELOCATE EX ITS ATTACHED TO PROPOSED
STRUCTURE. SEE SIGN PANEL DETAILS FOR
PANEL DESIGN STA 106+71.74

EXISTING OVERHEAD SIGN TRUSS
TO BE REMOVED STA 115+18.01



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - TNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING AND SIGNAGE FAI-64	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 7-28-14	REVISED -				ILLINOIS FED. AID PROJECT				



FILE NAME =
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PLOT DATE = *DATE*

DESIGNED - TNS

DRAWN - TNS

CHECKED - JHL

DATE - 7-28-14

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABNA

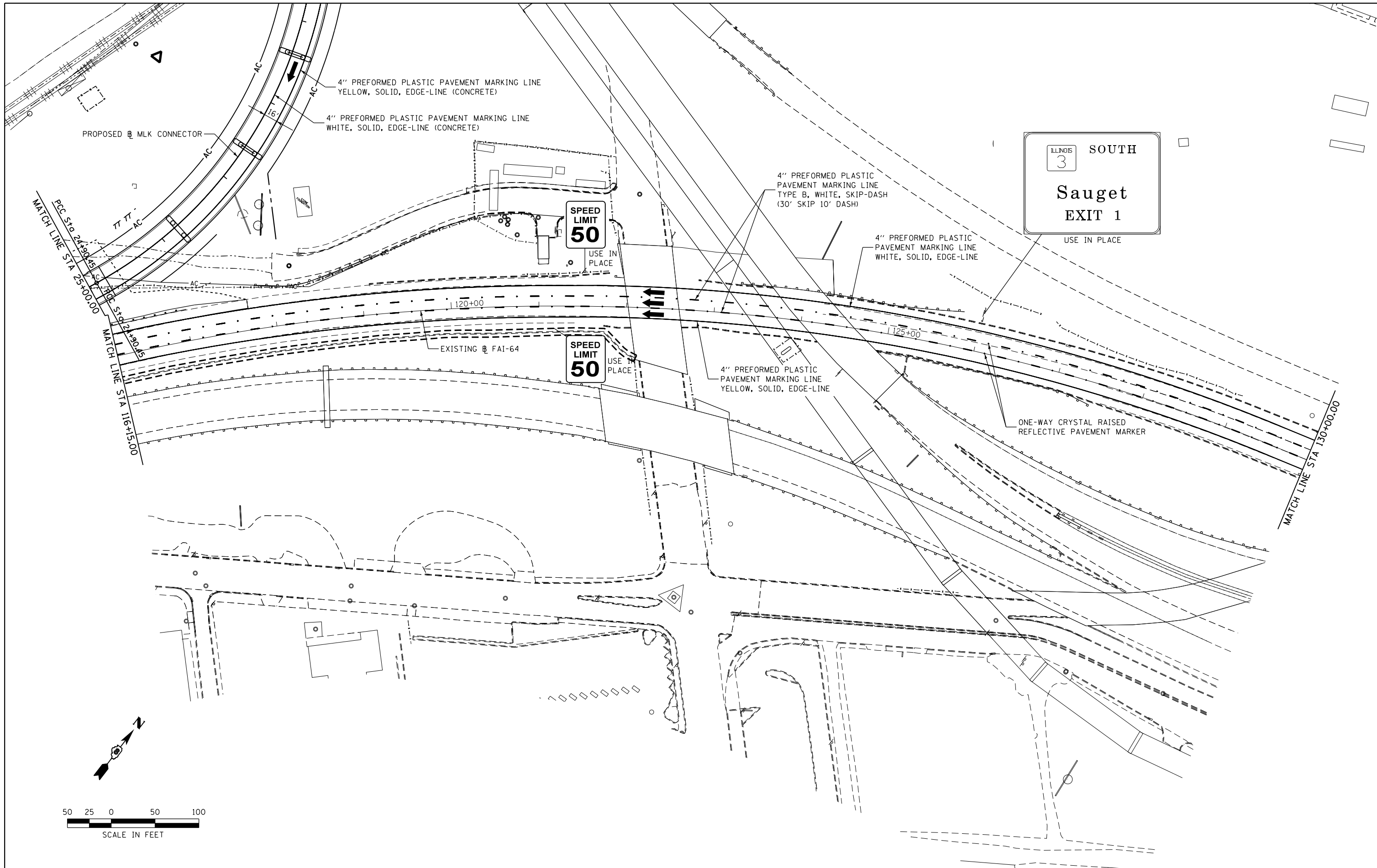
SCALE: 1' = 50'

PAVEMENT MARKING AND SIGNAGE
FAI-64

SHEET NO. 5 OF 9 SHEETS

STA. 102+50.00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	76
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



FILE NAME =
FILEL

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PLOT DATE = *DATE*

DESIGNED - TNS
DRAWN - TNS
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DATE - 7-28-14

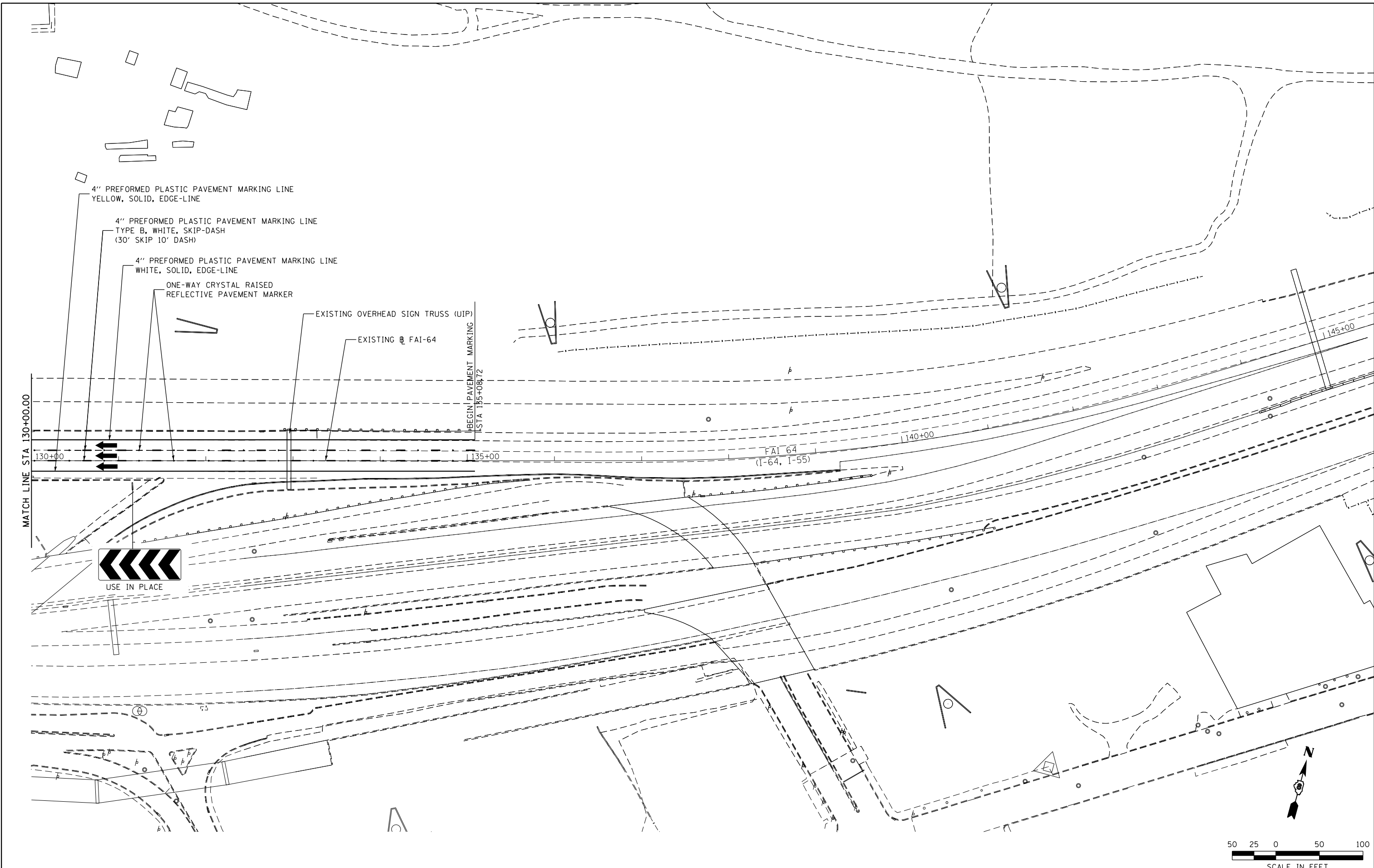
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KABNA
SCALE: 1' = 50'

PAVEMENT MARKING AND SIGNAGE
FAI-64
SHEET NO. 6 OF 9 SHEETS
STA. 116+15.00 TO STA. 130+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	77
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = *USER*	DESIGNED - TNS	REVISED -
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	PLOT DATE = *DATE*	DATE - 7-28-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



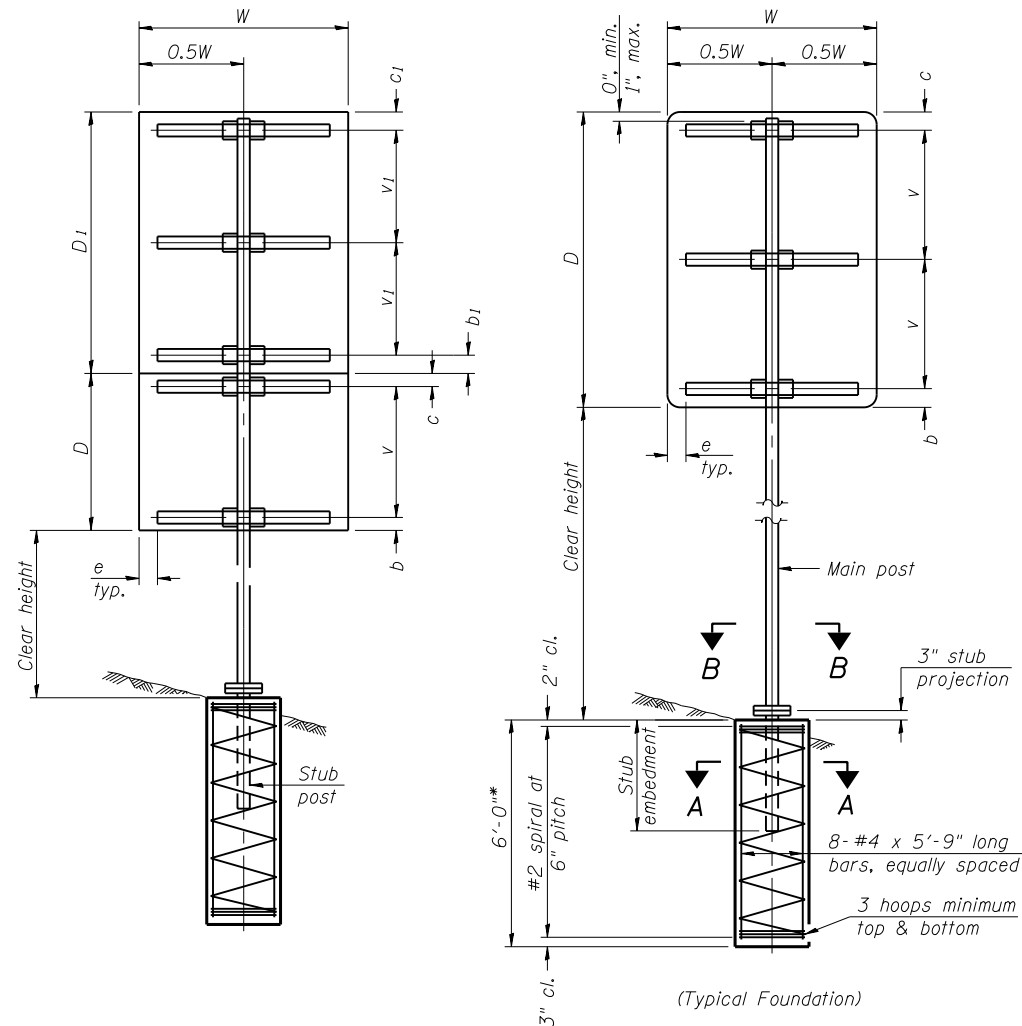
PAVEMENT MARKING AND SIGNAGE
FAI-64

SCALE: 1" = 50'

SHEET NO. 7 OF 9 SHEETS

STA. 130+00.00 TO STA. 145+00.00

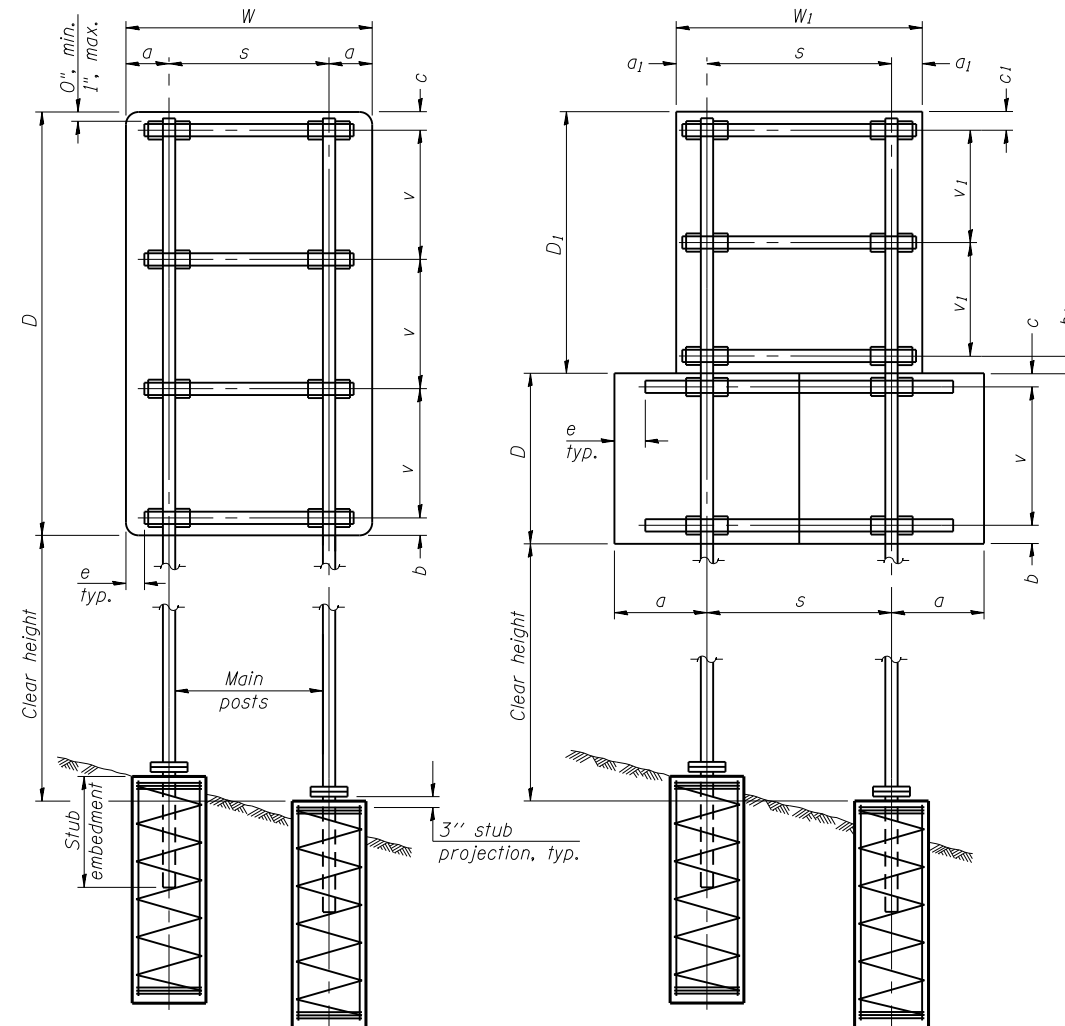
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	78
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



SINGLE POST ASSEMBLY EXAMPLES

* Dimensional changes required for varying site conditions shall be approved by the Engineer.

a or a₁ = 6" min. to 2'-0" max. (Approximately 0.2W or 0.2W₁)
 b or b₁ = 3" min. to 4" max
 c or c₁ = 3" min. to 4" max
 e = 0" min. to 6" max
 s = 3'-0" min. to 6'-0" max. (Approximately 0.6W or 0.6W₁)
 v or v₁ = 2'-0" min. to 2'-11" max.



DUAL POST ASSEMBLY EXAMPLES

GENERAL NOTES

Posts shall be slung by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

One foundation requires 0.7 cubic yards of concrete and 46 pounds of reinforcement bars and spiral hoops.

LOADING: 80 mph wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 psi
 Reinforcing steel - 20,000 psi
 Concrete - 1,400 psi
 Footing soil pressure - 2,000 psf

After fabrication, the post, fuse plate, base plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

For Sections A-A and B-B, see Base Sheet BAT-A-2.

FOUNDATIONS:

All necessary excavation or drilling (except in rock); backfilling with excavated material; disposal of unsuitable or surplus material; formwork; and furnishing and placing the Class SI Concrete and reinforcement bars, shall be included in the pay item used for foundations.

The measurement of the tubular steel shall be computed on the basis of the weight per foot of the support, multiplied by the combined length of the main posts and stub posts.

MAIN POST STEEL TUBING	WEIGHT PER FOOT (POUND)	STUB POST TABLE		MAIN POST TABLE				
		Stub Embedment	Stub Post Length	Bolt Size	A	t	R	Bolt Circle
3" x 2" x 1/4"	7.11	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 2" x 1/4"	8.81	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 3" x 1/4"	10.51	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
5" x 3" x 1/4"	12.21	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
6" x 3" x 1/4"	13.91	2'-3"	2'-6"	5/8" x 3 1/4"	11 1/2"	3/4"	11/32"	9 1/2"
6" x 4" x 1/4"	15.62	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
6" x 4" x 5/16"	19.08	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
7" x 5" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 4" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 6" x 1/4"	22.42	2'-6"	2'-9"	7/8" x 3 1/2"	1'-2"	3/4"	15/32"	1'-0"

BAT-A-1

6-1-12

(Sheet 1 of 2)

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
*FILE#		DRAWN -	REVISED -
	PLOT SCALE = \$SCALE*	CHECKED -	REVISED -
	PLOT DATE = \$DATE*	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



BREAK-AWAY TUBULAR STEEL
 SIGN POSTS AND FOUNDATIONS

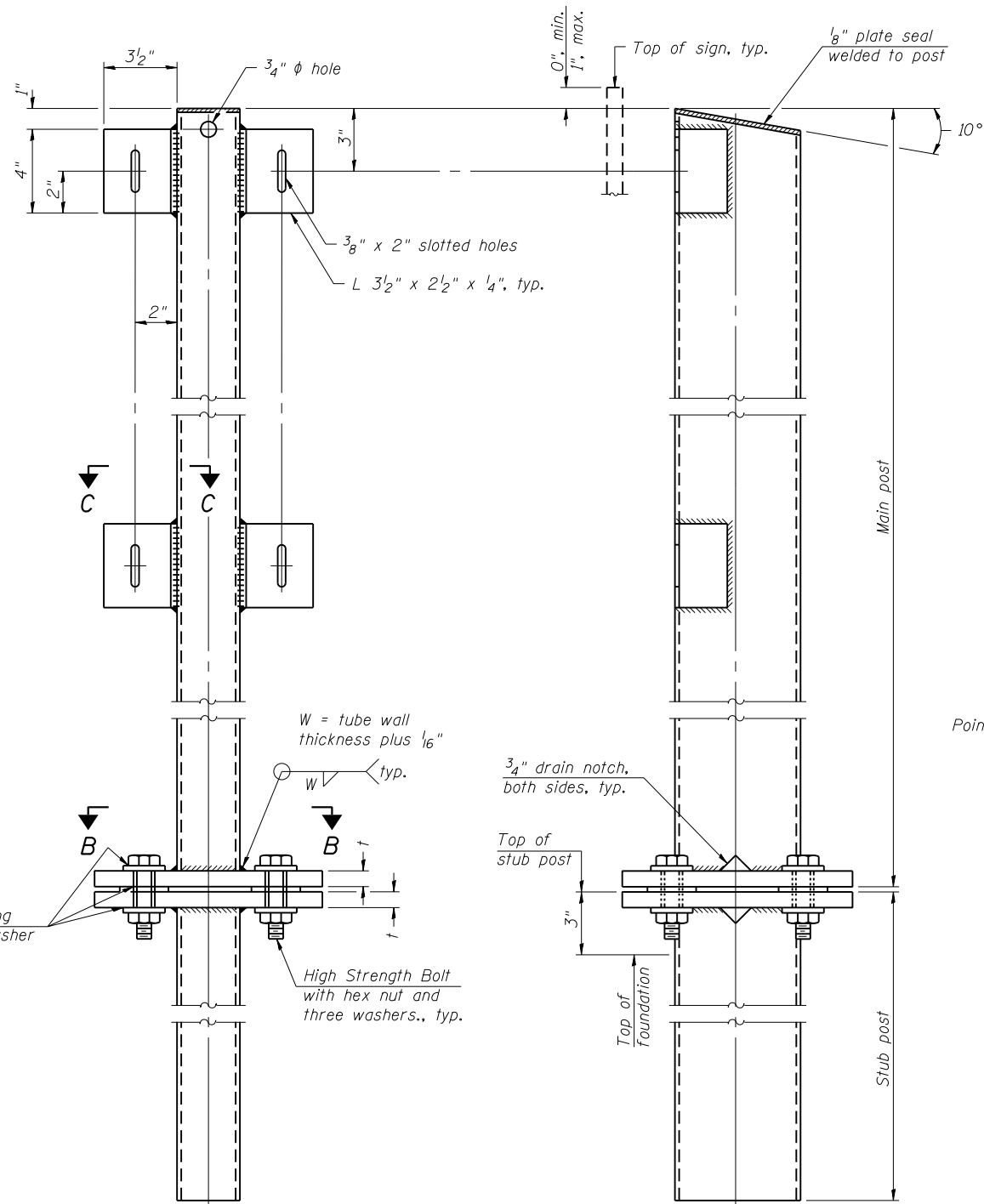
SCALE:

SHEET NO. 8 OF 9 SHEETS

STA.

TO STA.

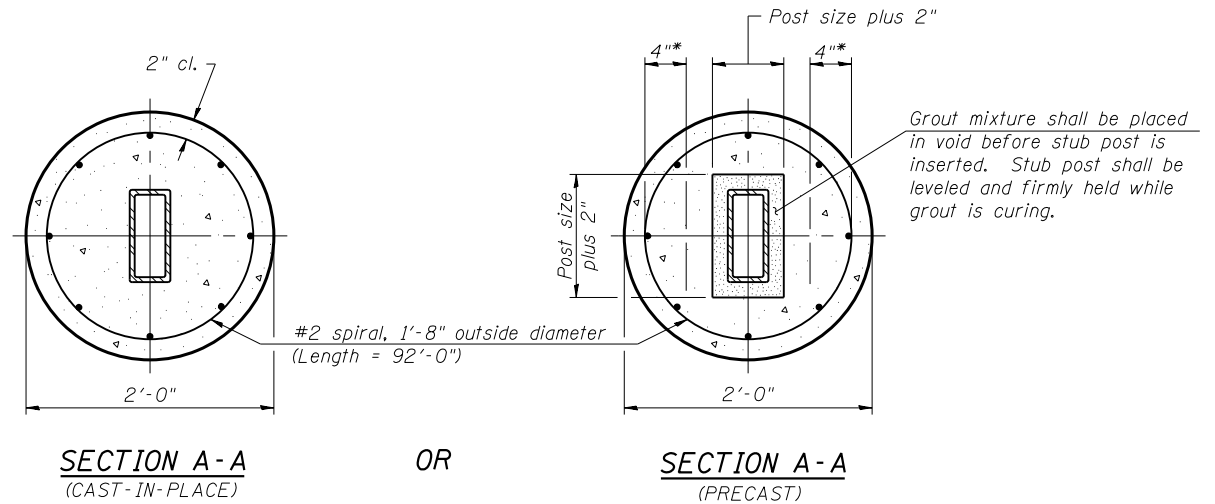
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	79
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



FRONT ELEVATION

SIDE ELEVATION

MAIN POST & STUB POST

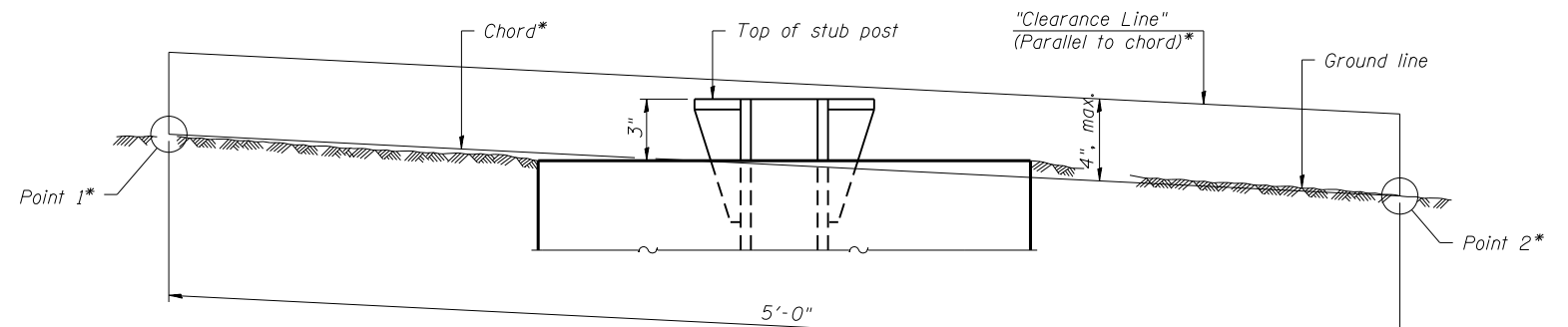


**SECTION A-A
(CAST-IN-PLACE)**

OR

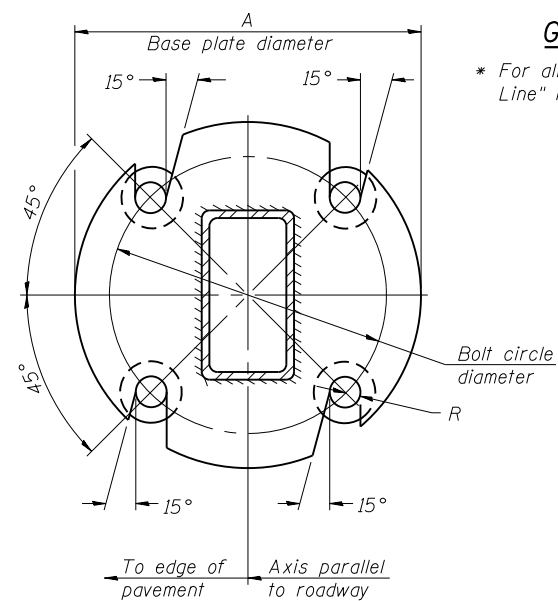
**SECTION A-A
(PRECAST)**

* Hot dip galvanized lifting loops or inserts may be placed in precast foundation inside the spiral reinforcement but not within 6" of the long axis of the post. Inserts must be adequate for safely lifting a total of 3,000 pounds and must not interfere with installation of the stub post or proper functioning of the slip base.

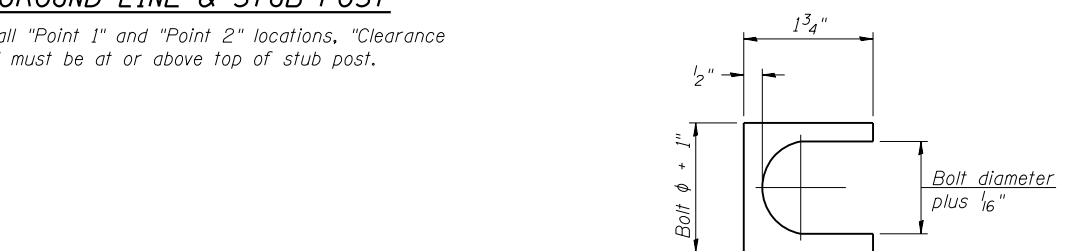


**ELEVATION
GROUND LINE & STUB POST**

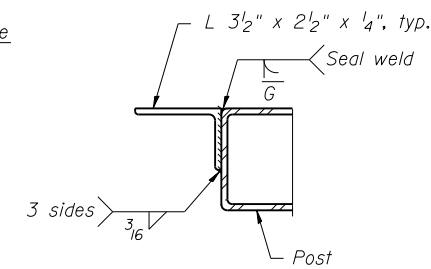
* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.



SECTION B-B



SHIM DETAIL



SECTION C-C

Weld continuously around corners.

BAT-A-2

6-1-12

(Sheet 2 of 2)

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
*FILE#		DRAWN -	REVISED -
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	PLOT DATE = \$DATE*	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**BREAK-AWAY TUBULAR STEEL
SIGN POSTS AND DETAILS**

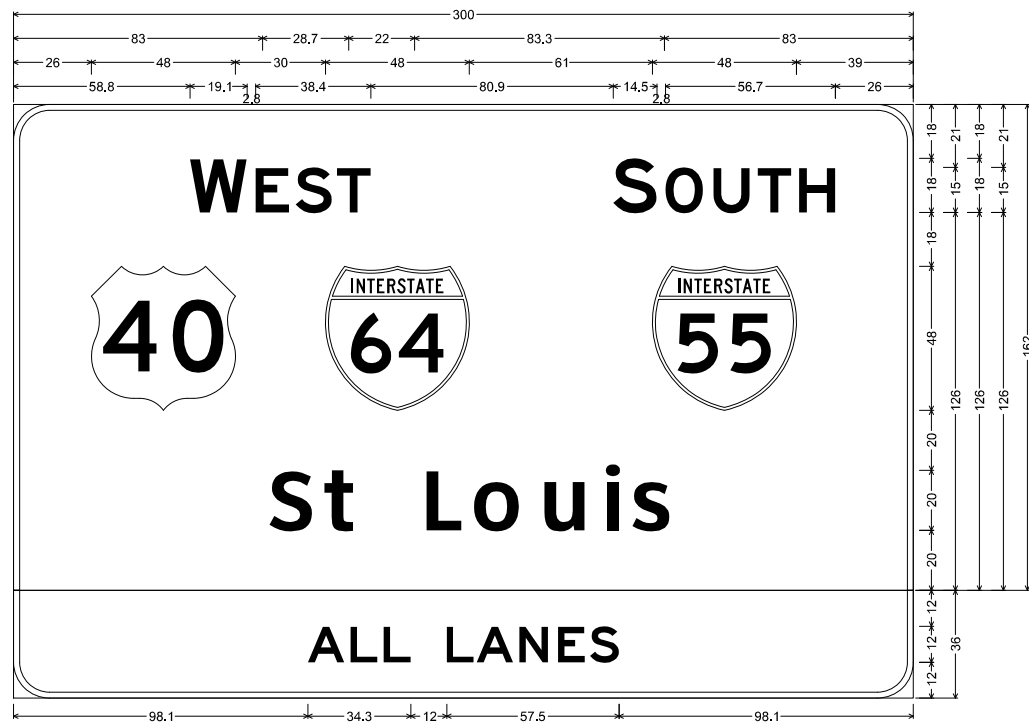
SCALE:

SHEET NO. 9 OF 9 SHEETS

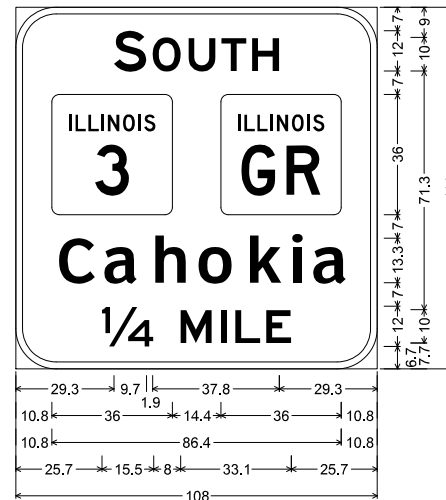
STA.

TO STA.

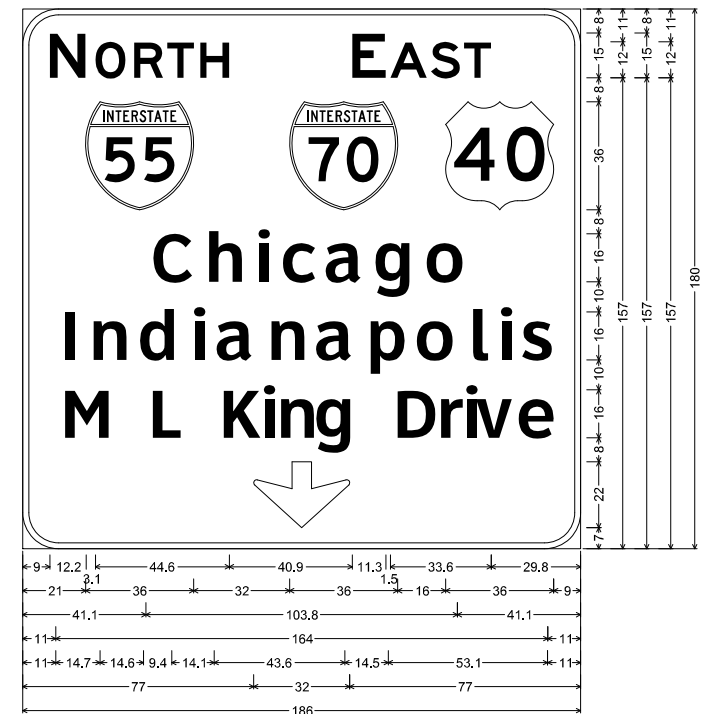
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	80
CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT	



12.0" Radius, 2.0" Border, White on Green;
 [WEST] E 2K; [SOUTH] E 2K; [St Louis] ClearviewHwy-5-W;
 12.0" Radius, 2.0" Border, Black on Yellow;
 [ALL LANES] E 2K;



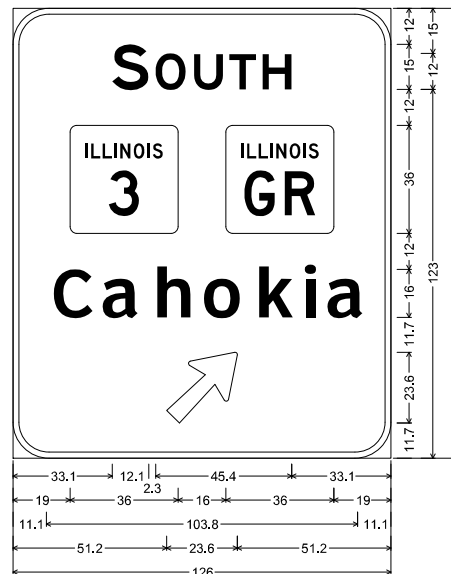
12.0" Radius, 2.0" Border, White on Green;
 [SOUTH] E 2K; [Cahokia] ClearviewHwy-5-W;
 [1/4 MILE] E 2K;



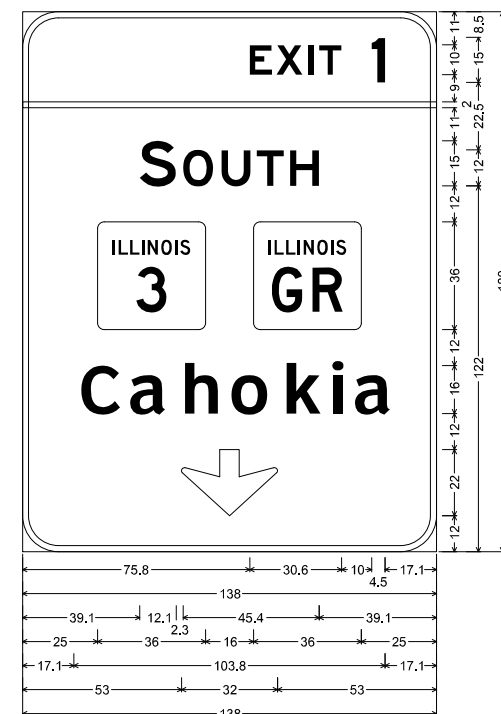
12.0" Radius, 2.0" Border, White on Green;
 [NORTH] E 2K; [EAST] E 2K; [Chicago] ClearviewHwy-5-W;
 [Indianapolis] ClearviewHwy-5-W;
 [M L King Drive] ClearviewHwy-5-W specified length; Down Arrow 22.0" 270";



12.0" Radius, 2.0" Border, White on Green;
 [EAST] E 2K; [NORTH] E 2K; [Louisville] ClearviewHwy-5-W;
 [St Clair Ave] ClearviewHwy-5-W specified length;
 Down Arrow 22.0" 270";



12.0" Radius, 2.0" Border, White on Green;
 [SOUTH] E 2K; [Cahokia] ClearviewHwy-5-W;
 Arrow 133 - 30.0" 45";



12.0" Radius, 2.0" Border, White on Green;
 [EXIT 1] E 2K; [SOUTH] E 2K; [Cahokia] ClearviewHwy-5-W;
 Down Arrow 22.0" 270";

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -				64	82-(1,4)B-1	ST CLAIR	406	81
	PLOT DATE = *DATE*	DATE -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76G09		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT											

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021		
80300100	LOCATING UNDERGROUND CABLE	FOOT	1300	1300		
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1		
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	253	253		
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1600	1600		
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1	1		
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1865	1865		
81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1325	1325		
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1675	1675		
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3350	3350		
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	12	12		

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021		
82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	6	6		
82600105	NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1	1		
83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	12	12		
83502400	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH	1	1		
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	24	24		
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	20	20		
83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	4	4		
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2	2		
84200804	REMOVAL OF POLE FOUNDATION	EACH	3	3		
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1		
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1		
89502380	REMOVE EXISTING HANDHOLE	EACH	1	1		

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














**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING SCHEDULE OF QUANTITIES
1 OF 2**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	82
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

LIGHTING AND ELECTRICAL LEGEND

-  PROPOSED GROUND MOUNTED LIGHTING UNIT 40 FT ALUMINUM POLE, 15 FT DAVIT ARM, 250W HPS LUMINAIRE, M-C-III
-  PROPOSED WALL MOUNTED LIGHTING UNIT 40 FT ALUMINUM POLE, 15 FT DAVIT ARM, 250W HPS LUMINAIRE, M-C-III
-  PROPOSED BRIDGE MOUNTED LIGHTING UNIT 40 FT ALUMINUM POLE, 15 FT DAVIT ARM, 250W HPS LUMINAIRE, M-C-III
-  EXISTING LIGHTING UNIT TO REMAIN IN PLACE
-  PROPOSED LIGHTING CONTROLLER
-  EXISTING LIGHTING CONTROLLER
-  PROPOSED SERVICE INSTALLATION
-  EXISTING SERVICE INSTALLATION
-  PROPOSED 100 M.H. HIGH MAST TOWER WITH 6 400W HPS LUMINAIRES
-  EXISTING LIGHT TOWER TO REMAIN IN PLACE
-  UNDER GROUND CONDUIT SCHEDULE 80, SIZE AS NOTED
-  JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
-  UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
-  UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  ELECTRICAL CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 2-1C NO. 6, 1/C NO.8 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE

HIGHWAY STANDARDS

- 821101 LUMINAIRE WIRING DIAGRAM
- 826001 NAVIGATION OBSTRUCTION LIGHTING CONTROLLER 240V*
- 830006-02 LIGHT POLE ALUMINUM DAVIT ARM
- 835001 LIGHT TOWER
- 836001-02 LIGHT POLE FOUNDATION
- 837001-03 LIGHT TOWER FOUNDATION
- 838001 BREAKAWAY DEVICES







* ASSOCIATED "SHEET 2 OF 2" IS REVISED PER "MODIFIED CONTROLLER WIRING DIAGRAM" SHEET

GENERAL NOTES

1. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
2. EXISTING LIGHT POLES AND FOUNDATIONS TO BE REMOVED, AND ALL ASSOCIATED HARDWARE AND APPURTENANCES, SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
4. THE PROPOSED LIGHT POLES SHALL BE LOCATED AS NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE. THE VOIDS ON THE BOTTOM SIDE OF THE ALUMINUM POLE BASE MUST BE SEALED FROM RODENT ENTRY WITH STAINLESS STEEL SCREEN.
5. CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT AND UNIT DUCT PAY ITEMS.
7. NO POLES TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
9. UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.
10. STAINLESS STEEL SCREEN INSTALLED AROUND BREAKAWAY COUPLINGS OR ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ART. 1070.04 (a)(2) c OF THE STANDARD SPECIFICATIONS EXCEPT THE MINIMUM WIRE DIAMETER SHALL BE AWG NO.16 (1.6 mm).
11. NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT APPROVAL OF THE ENGINEER.
12. ALL LIGHTING CIRCUITS SHOWN ON THE PLANS SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO COMMENCEMENT OF ROADWAY CONSTRUCTION.
13. ALL LIGHTING CIRCUITS FED FROM THE EXISTING CONTROLLER SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
14. LOCATIONS OF EXISTING LIGHTING FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
15. THE CONTRACTOR SHALL PLACE A REVISED COPY OF THE AS-BUILT PLANS INSIDE THE LIGHTING CONTROLLER LOCATED AT STATION 8+20.
16. LUMINAIRES SHALL BE ORIENTED WITH OPTICS PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS.
17. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION AND ROUTING OF EXISTING UNDERGROUND CABLE OF ALL CIRCUITS AFFECTED BY THE POLE REMOVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.
18. ANY UNIT DUCT OR UNDERGROUND CONDUIT NEEDED IN ADDITION TO WHAT IS SHOWN ON THE PLANS TO ENERGIZE THE MODIFIED LIGHTING CIRCUITS SHALL BE INSTALLED ACCORDING TO ARTICLE 810 AND ARTICLE 816 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR UNIT DUCT AND UNDERGROUND CONDUIT AS APPLICABLE.
19. THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS OF ALL EXISTING CIRCUITS BEFORE ANY MODIFICATIONS ARE MADE AND PROVIDE THE WRITTEN RESULTS TO THE ENGINEER. EXISTING CIRCUITS IN THE LIGHTING CONTROLLER NOT TESTED AND PROPERLY DOCUMENTED SHALL BE SUBJECT TO THE INSULATION RESISTANCE REQUIREMENTS OF ARTICLE 801.13 AT THE CONTRACTOR'S EXPENSE.
20. AFTER THE PROPOSED CIRCUITS ARE FULLY INSTALLED THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS ACCORDING TO ARTICLE 801.13 AND PROVIDE THE WRITTEN RESULTS TO THE ENGINEER. IF THE TEST RESULTS DO NOT COMPLY WITH ARTICLE 801.13, THE CONTRACTOR SHALL THEN TEST ONLY THE PORTIONS OF THE CIRCUITS WHICH ARE NEW. ANY WORK NECESSARY TO BRING THE CIRCUITS INTO COMPLIANCE SHALL BE AT THE CONTRACTORS OWN EXPENSE AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.
21. ANY DAMAGE TO DUCT AND CABLE TO REMAIN IN PLACE SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.
22. BREAKAWAY COUPLINGS SHALL NOT BE RE-USED.
23. LUMINAIRE SETBACK SHALL BE 20 FT FROM EDGE OF THE PAVEMENT AND 5 FT BEHIND GUARD RAIL OR AS DIRECTED BY THE ENGINEER
24. LEVELING PLATES FOR BRIDGE MOUNTED LIGHT POLES SHALL BE ACCORDING TO THE PLANS AND SHALL BE GALVANIZED STEEL.

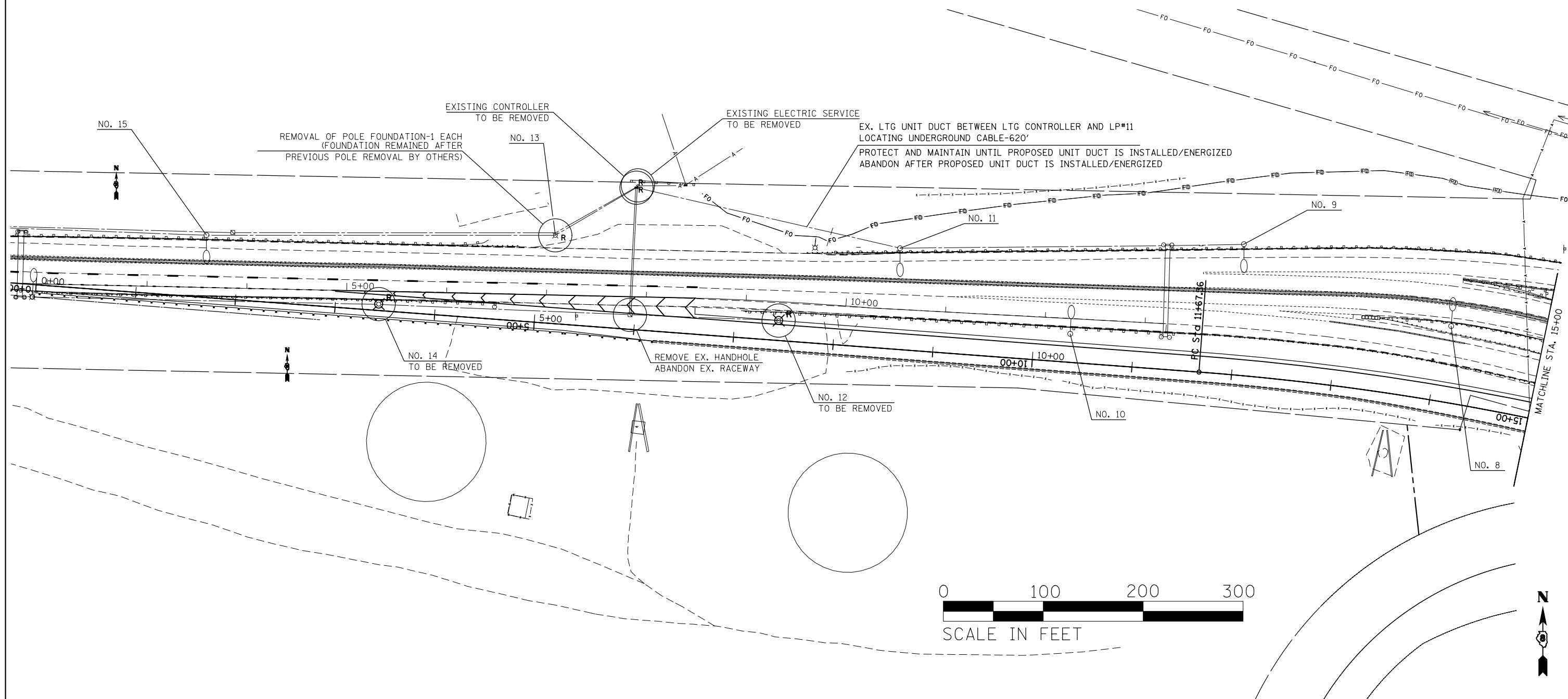
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	PLOT DATE = 7/22/2014	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

LIGHTING AND ELECTRICAL LEGEND

-  EXISTING LIGHT UNIT TO BE REMOVED
-  EXISTING LIGHTING UNIT TO REMAIN IN PLACE
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED
-  EXISTING SERVICE TO BE REMOVED
-  EXISTING LIGHT TOWER TO BE REMOVED
-  EXISTING LIGHT TOWER TO REMAIN IN PLACE

REMOVAL NOTES

1. THE CONTRACTOR SHALL INSTALL PROPOSED LIGHTING CONTROLLER AND SERVICE BEFORE REMOVING EXISTING CONTROLLER AND SERVICE.
2. THE CONTRACTOR SHALL MAINTAIN THE ELECTRIC FEED TO EXISTING LIGHTING TO REMAIN AND EXISTING NAVIGATION LIGHTING ALL THE TIME.



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	PLOT DATE = 10/1/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
SHEET 1 OF 2**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	85
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



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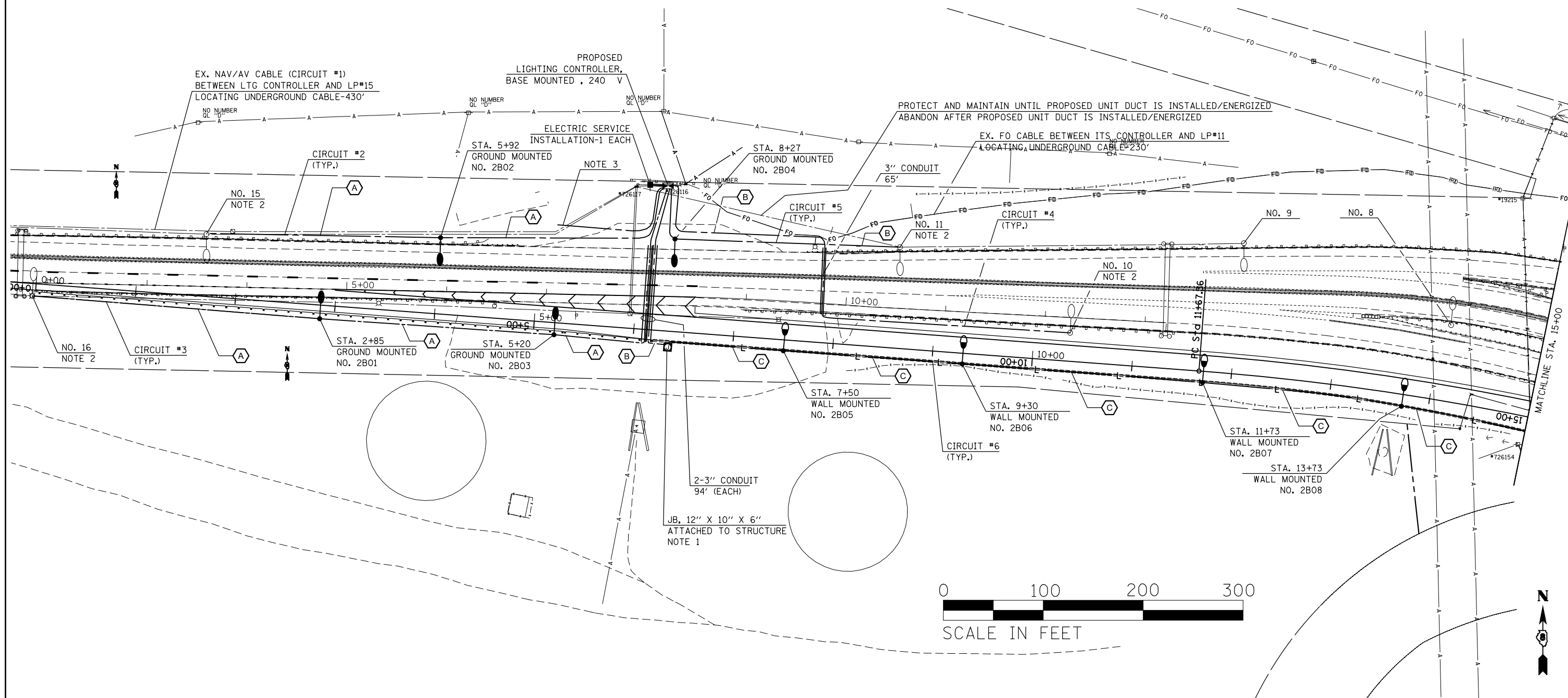
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL LIGHTING PLAN SHEET 2 OF 2				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	86
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE "JUNCTION BOX ATTACHED TO PARAPET WALL DETAIL"
2. INTERCEPT EXISTING CONDUIT STUB AT THE FOUNDATION OF EXISTING LIGHTING UNIT TO REMAIN.
3. THE CONTRACTOR SHALL RELOCATE NAVIGATION LIGHTING CABLES AND CONDUIT TO NEW PROPOSED CONTROLLER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTROLLER.
4. THE CONTRACTOR MUST PROVIDE AN EXPANSION/DEFLECTION FITTING AT EACH LOCATION WHERE CONDUIT RUN TRAVERSE AN EXPANSION JOINT.
5. THE CONTRACTOR SHALL INSTALL LIGHT POLES 2B02 AND 2B04 AND MADE OPERATIONAL BEFORE COMMENCING MOT STAGE 2.



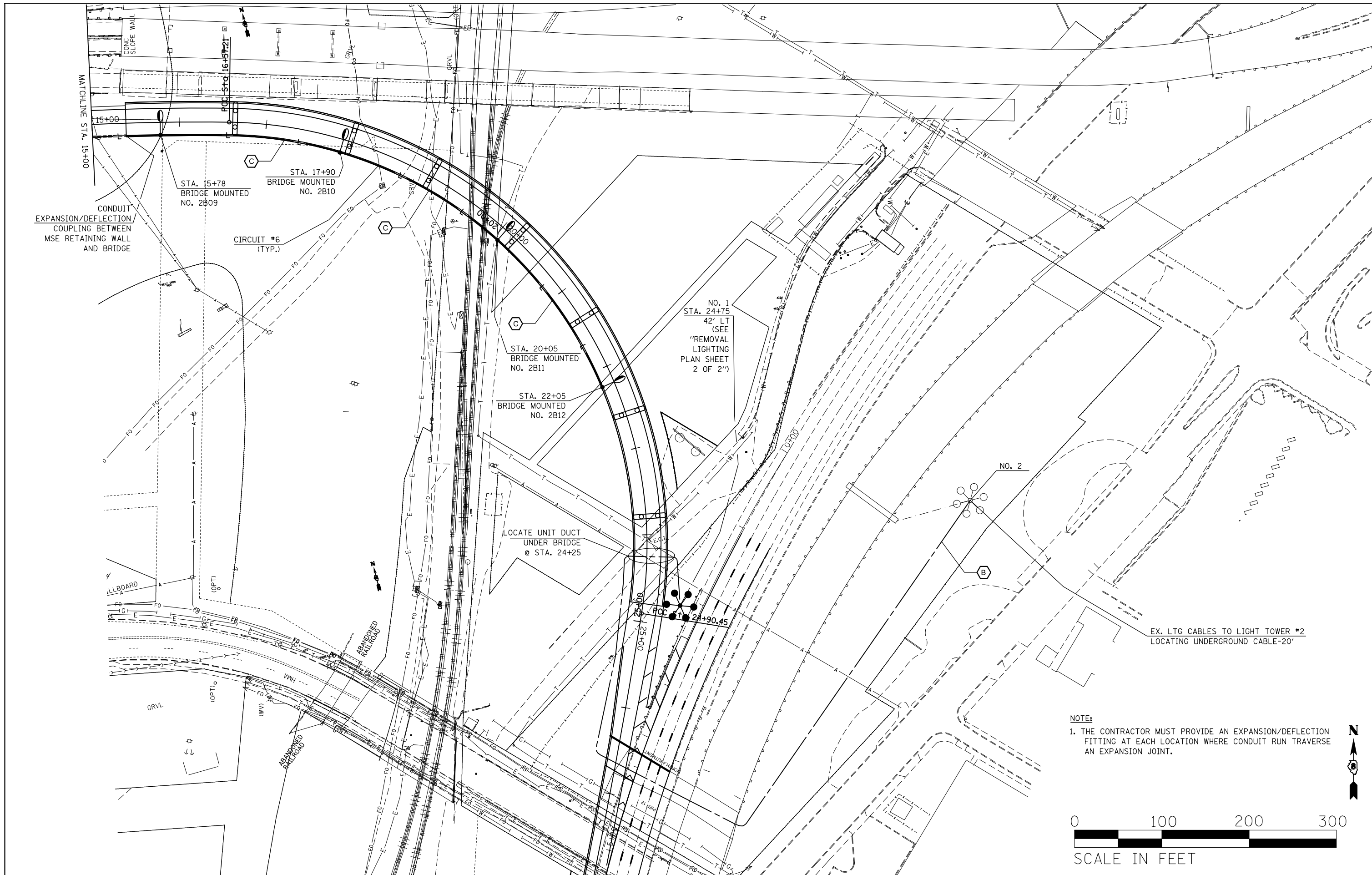
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	PLOT DATE = 10/1/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
SHEET 1 OF 2**

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

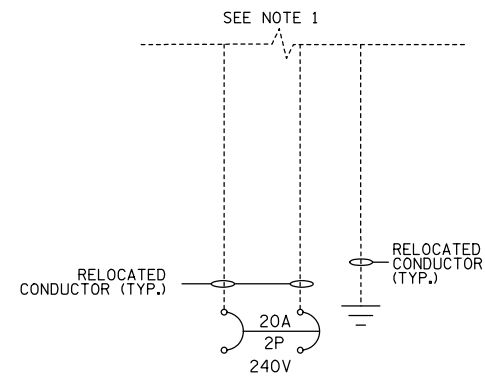
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CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



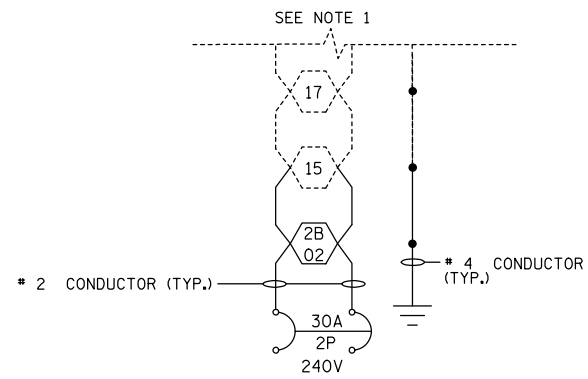
NOTE:
 1. THE CONTRACTOR MUST PROVIDE AN EXPANSION/DEFLECTION FITTING AT EACH LOCATION WHERE CONDUIT RUN TRAVERSE AN EXPANSION JOINT.



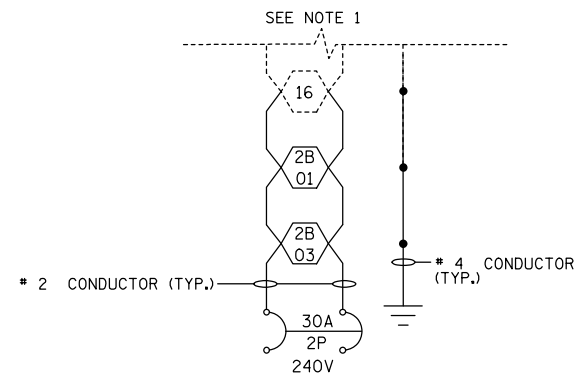
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et:\pw\work\p\dot\prestonme\d0320451\0876009-Sht-TS.dgn		DRAWN -	REVISED -					64	82-(1,4)B-1	ST. CLAIR	406	88
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PLOT DATE = 7/22/2014		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
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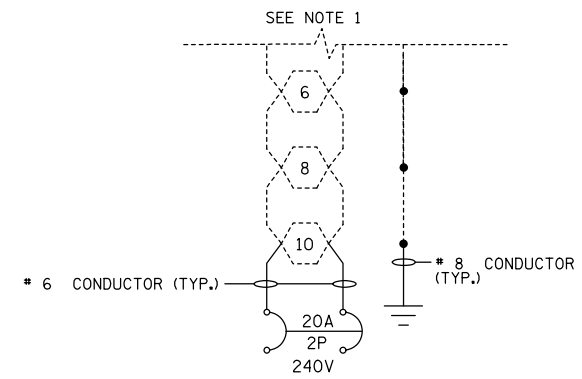
CONTROLLER CKT 1



CONTROLLER CKT 2

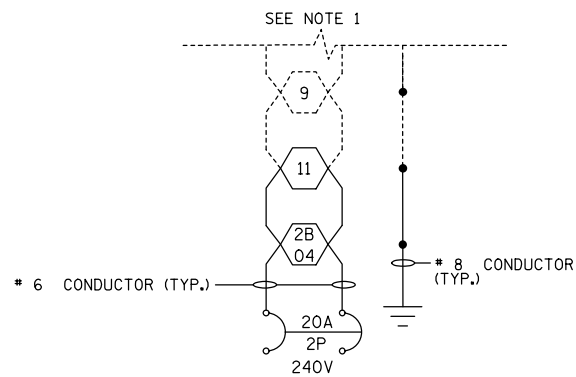


CONTROLLER CKT 3

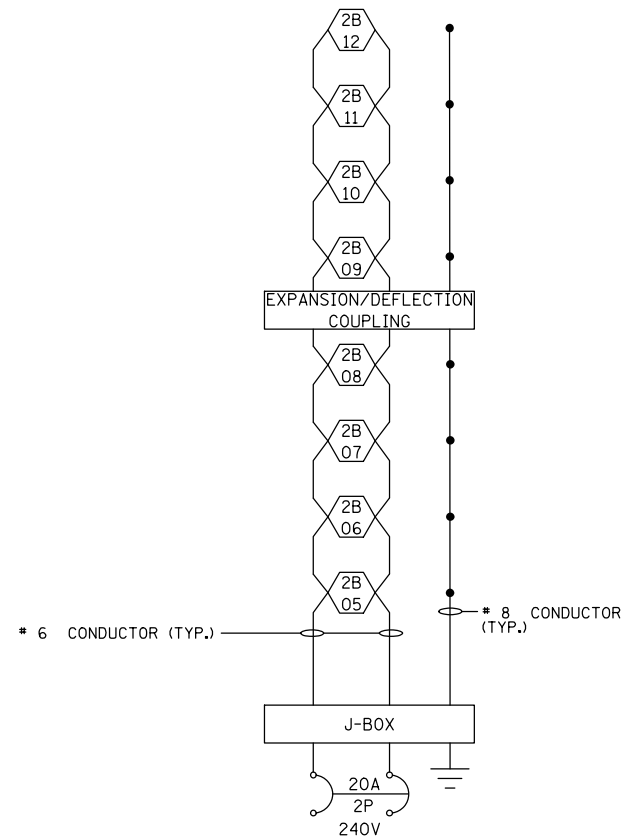


CONTROLLER CKT 4

NOTE:
1. SEE "EXISTING CONTROLLER WIRING DIAGRAM" SHEET FOR MORE DETAIL.

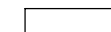




CONTROLLER CKT 5



CONTROLLER CKT 6

LEGEND:

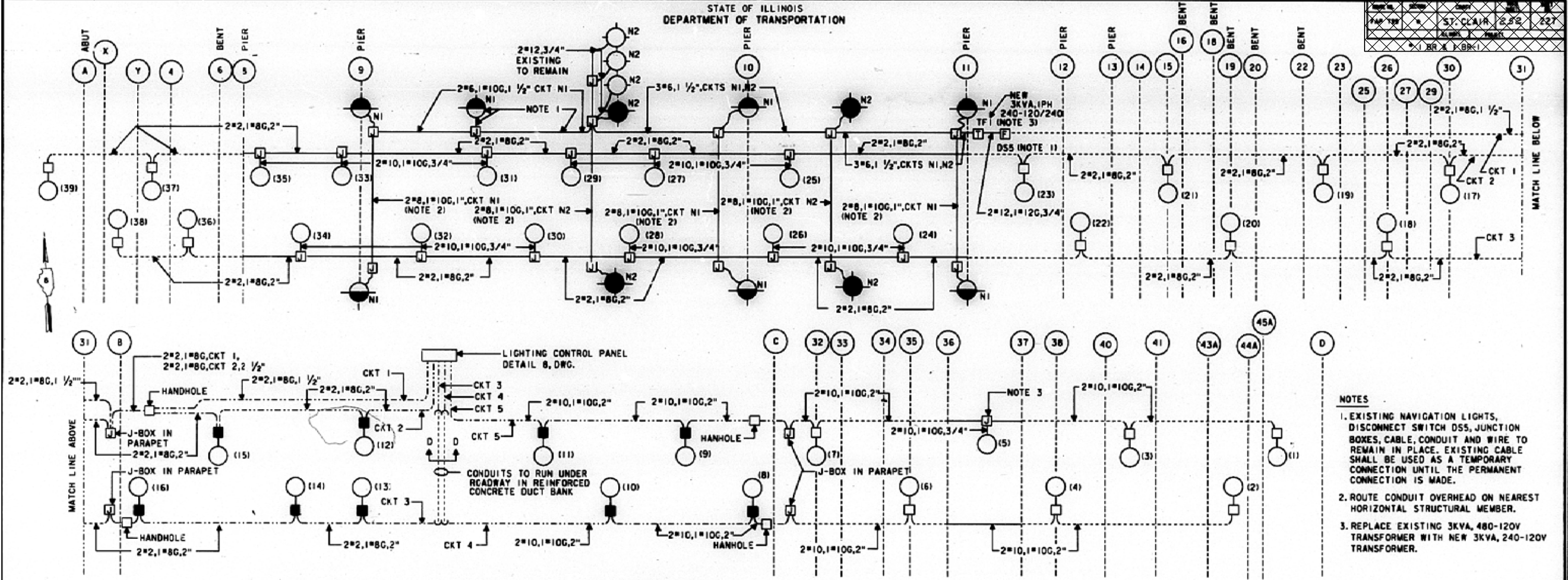
-  PROPOSED JUNCTION BOX
-  250W PROPOSED HPS, TYPE III, FULL CUTOFF ROADWAY LUMINAIRES
-  250W EXISTING ROADWAY LUMINAIRES

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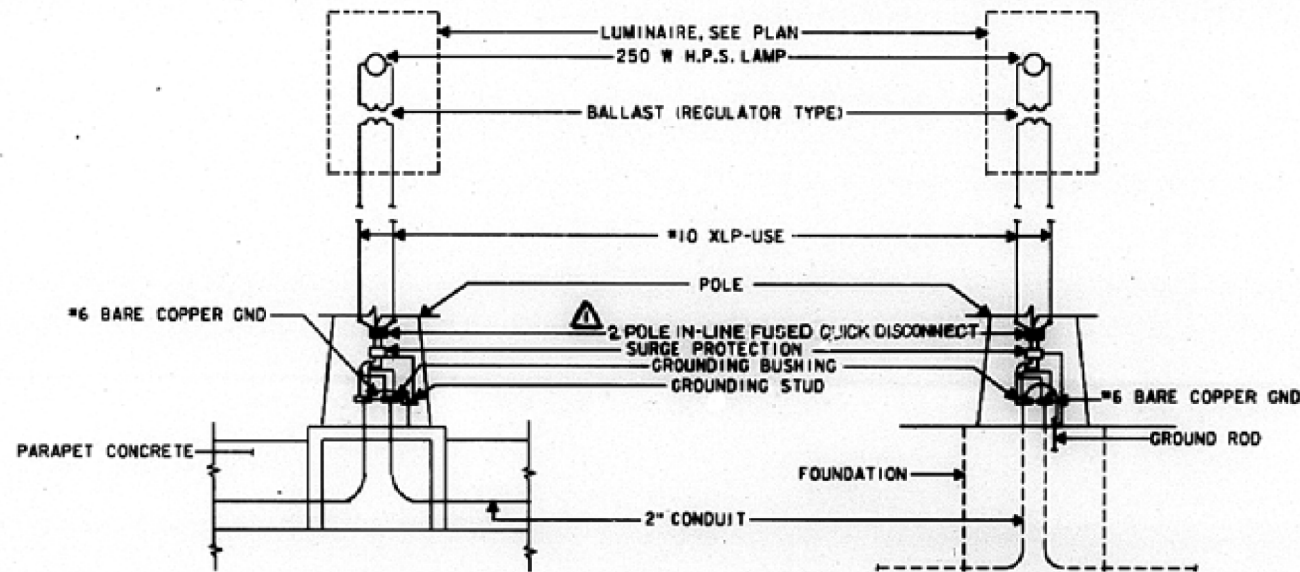
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

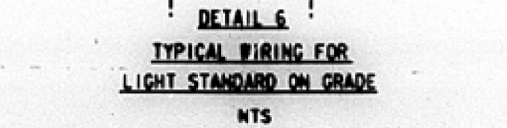
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	89
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				



- NOTES**
- EXISTING NAVIGATION LIGHTS, DISCONNECT SWITCH DSS, JUNCTION BOXES, CABLE, CONDUIT AND WIRE TO REMAIN IN PLACE. EXISTING CABLE SHALL BE USED AS A TEMPORARY CONNECTION UNTIL THE PERMANENT CONNECTION IS MADE.
 - ROUTE CONDUIT OVERHEAD ON NEAREST HORIZONTAL STRUCTURAL MEMBER.
 - REPLACE EXISTING 3KVA, 480-120V TRANSFORMER WITH NEW 3KVA, 240-120V TRANSFORMER.



DETAIL 5
TYPICAL WIRING FOR
LIGHT STANDARD ON STRUCTURE
NTS



DETAIL 6
TYPICAL WIRING FOR
LIGHT STANDARD ON GRADE
NTS

SYMBOLS

- NAVIGATION LIGHT 180° RED
NOTE 1
- NAVIGATION LIGHT 360° GREEN
NOTE 1
- NAVIGATION LIGHT 180°
NOTE 1
- 250 WATT HIGH PRESSURE SODIUM ROADWAY LIGHTING FIXTURE ON 40'-0" POLE; SEE DETAIL 1
- 250 WATT HIGH PRESSURE SODIUM BRACKET MTC ROADWAY LIGHTING FIXTURE- SEE DETAIL 3
- 250 WATT HIGH PRESSURE SODIUM ROADWAY LIGHTING FIXTURE ON 40'-0" POLE; SEE DETAIL 2

- CONDUIT DIRECT BURIED IN EARTH
- EXPOSED CONDUIT
- CONCEALED CONDUIT IN CONCRETE PARAPET
- JUNCTION BOX (18" L X 12" W X 10" D, EXCEPT AS NOTED)
- TRANSFORMER- TF
- DISCONNECT SWITCH- DS, FUSED

S.P.GITTO
DESIGNED
W.W.LEWIS
CHECKED
T.A.MUNDY
DRAWN
W.W.LEWIS
CHECKED

FOR INFORMATION, ONLY

FILE NAME =	USER NAME = prestone	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

EXISTING CONTROLLER
WIRING DIAGRAM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	90
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

ILLINOIS DEPARTMENT OF TRANSPORTATION
250W LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	16 FT
	Number Of Lanes	1
	Median Width	N/A
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	40 FT
	Mast Arm Length	15 FT
	Pole Set-Back From Edge Of Pavement	15 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	28,500
	IES Vertical Distribution	M
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	205 FT
	Configuration	Single Sided
	Luminaire Overhang Over Edge Of Pavement Lane	0 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E _{Ave})	0.9 fc
	Uniformity Ratio, (E _{Ave} /E _{Min})	3.0
LUMINANCE:	Average Luminance: (L _{Ave})	0.6 Cd/m ²
	Uniformity Ratios: (L _{Ave} /L _{Min})	3.5
	(L _{Max} /L _{Min})	6.0
	Maximum Veiling Luminance Ratio: (L _v /L _{Ave})	0.30

ILLINOIS DEPARTMENT OF TRANSPORTATION
400W HIGH MAST LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes (In Direction of Travel)	2
	Median Width	64 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	■ FT
	Mast Arm Length	■ FT
	Pole Set-Back From Edge Of Pavement	■ FT
LUMINAIRE DATA:	Lamp Type	(6) 400W HPS
	Lamp Lumens	50000
	IES Vertical Distribution	■
	IES Control Of Distribution	C
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	■ FT
	Configuration	Staggered
	Luminaire Overhang Over Edge Of Pavement Lane	N/A

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

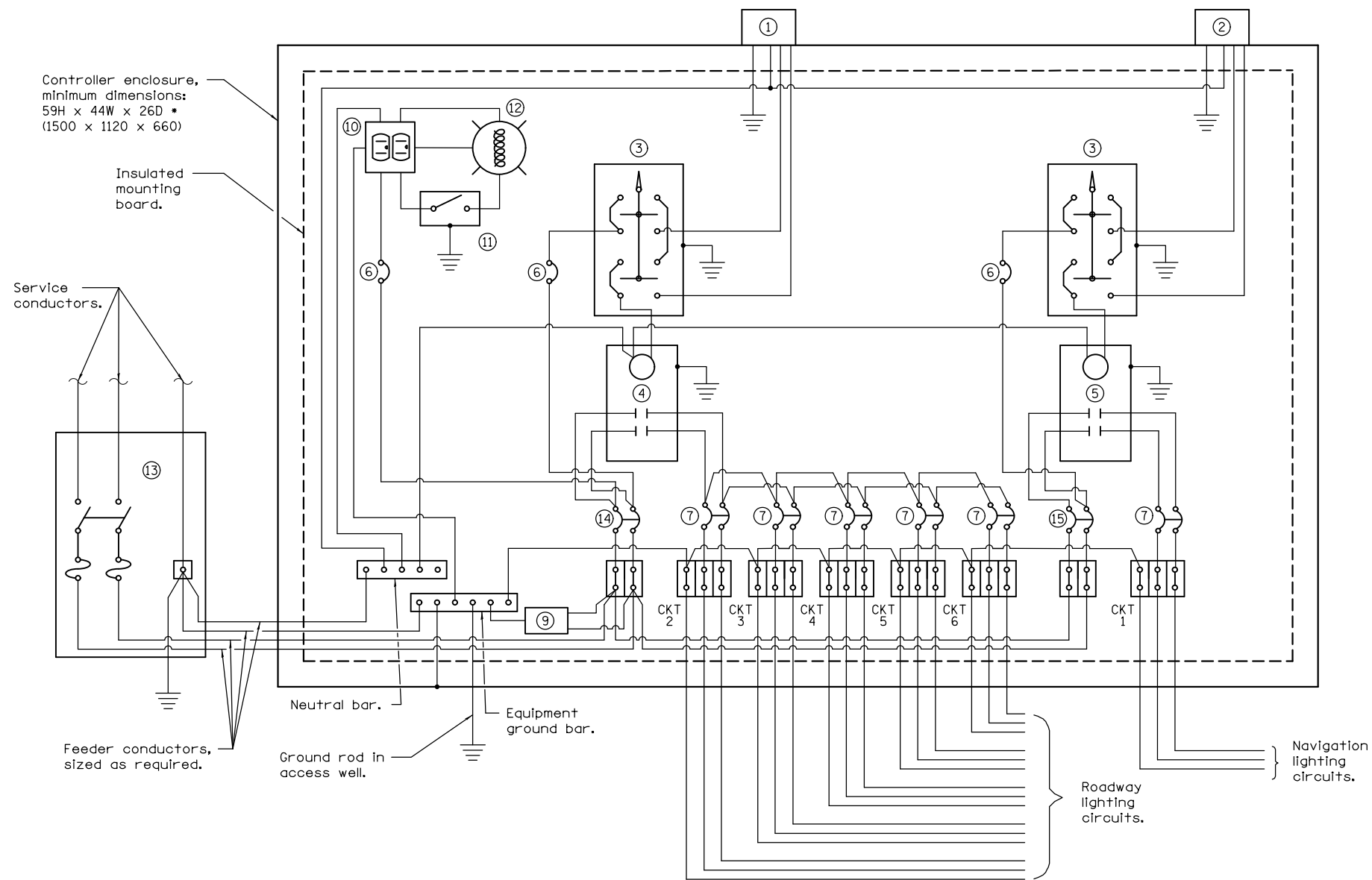
ILLUMINATION:	Average Horizontal Illumination, (E _{Ave})	0.90 fc
	Uniformity Ratio, (E _{Ave} /E _{Min})	3.0
LUMINANCE:	Average Luminance: (L _{Ave})	0.60 Cd/m ²
	Uniformity Ratios: (L _{Ave} /L _{Min})	3.5
	(L _{Max} /L _{Min})	6.0
	Maximum Veiling Luminance Ratio: (L _v /L _{Ave})	0.30

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = 10/1/2014		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PERFORMANCE TABLES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	91
			CONTRACT NO. 76G09	
ILLINOIS FED. AID PROJECT				

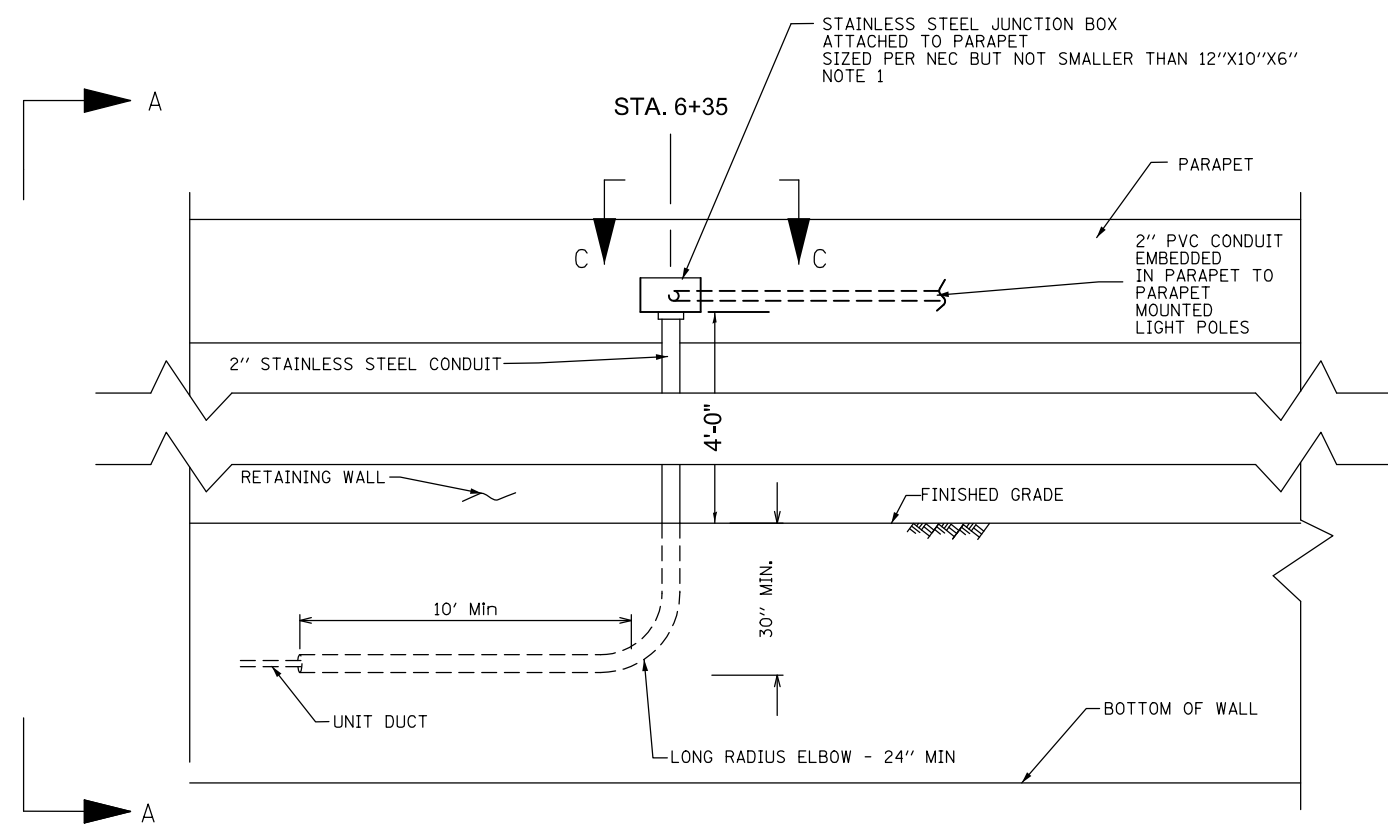
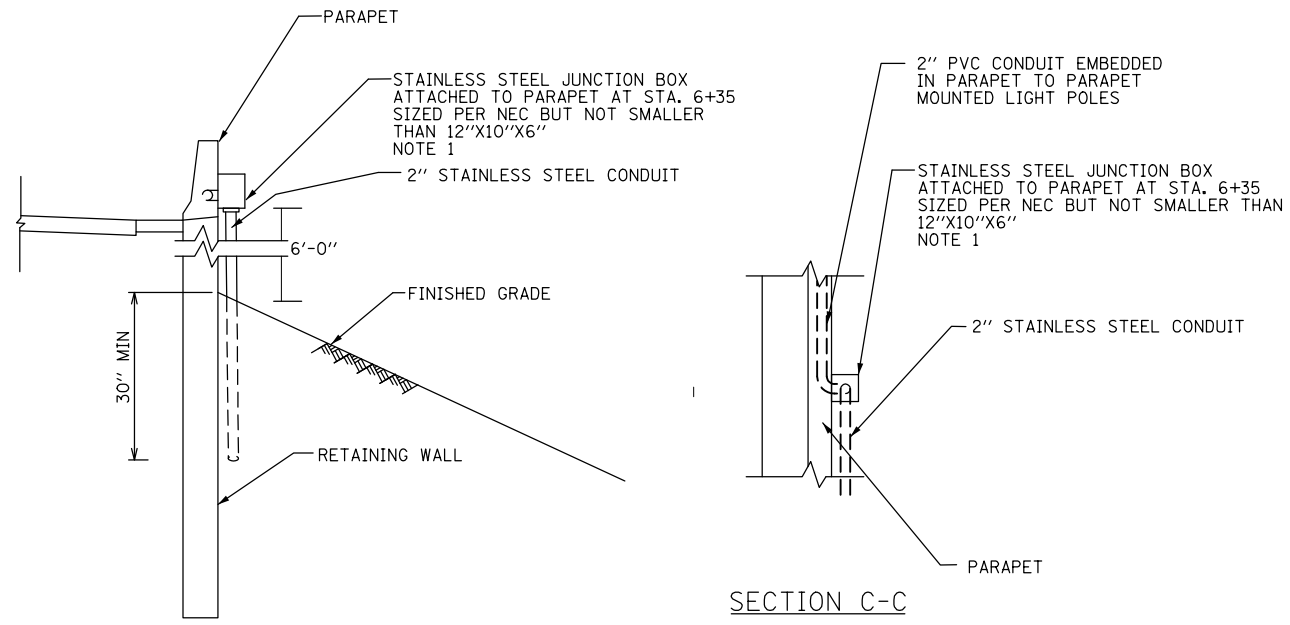


- ① Photocell with integral surge arrester for roadway lighting.
- ② Photocell with integral surge arrester for navigation lighting.
- ③ HAND-OFF-AUTO selector switch.
- ④ 100 amp*, electrically held contactor.
- ⑤ 60 amp*, electrically held contactor.
- ⑥ 15 amp, 1-pole circuit breaker.
- ⑦ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
- ⑧ not used
- ⑨ Surge arrester.
- ⑩ GFCI duplex receptacle.
- ⑪ Single-pole, single-throw switch.
- ⑫ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑬ Service disconnect switch - 2-pole, 3-wire, 100 amp*, fused at 100 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑭ 60 amp*, 2-pole circuit breaker.
- ⑮ 30 amp*, 2-pole circuit breaker.

* Size larger as needed.

CONTROL SCHEMATIC

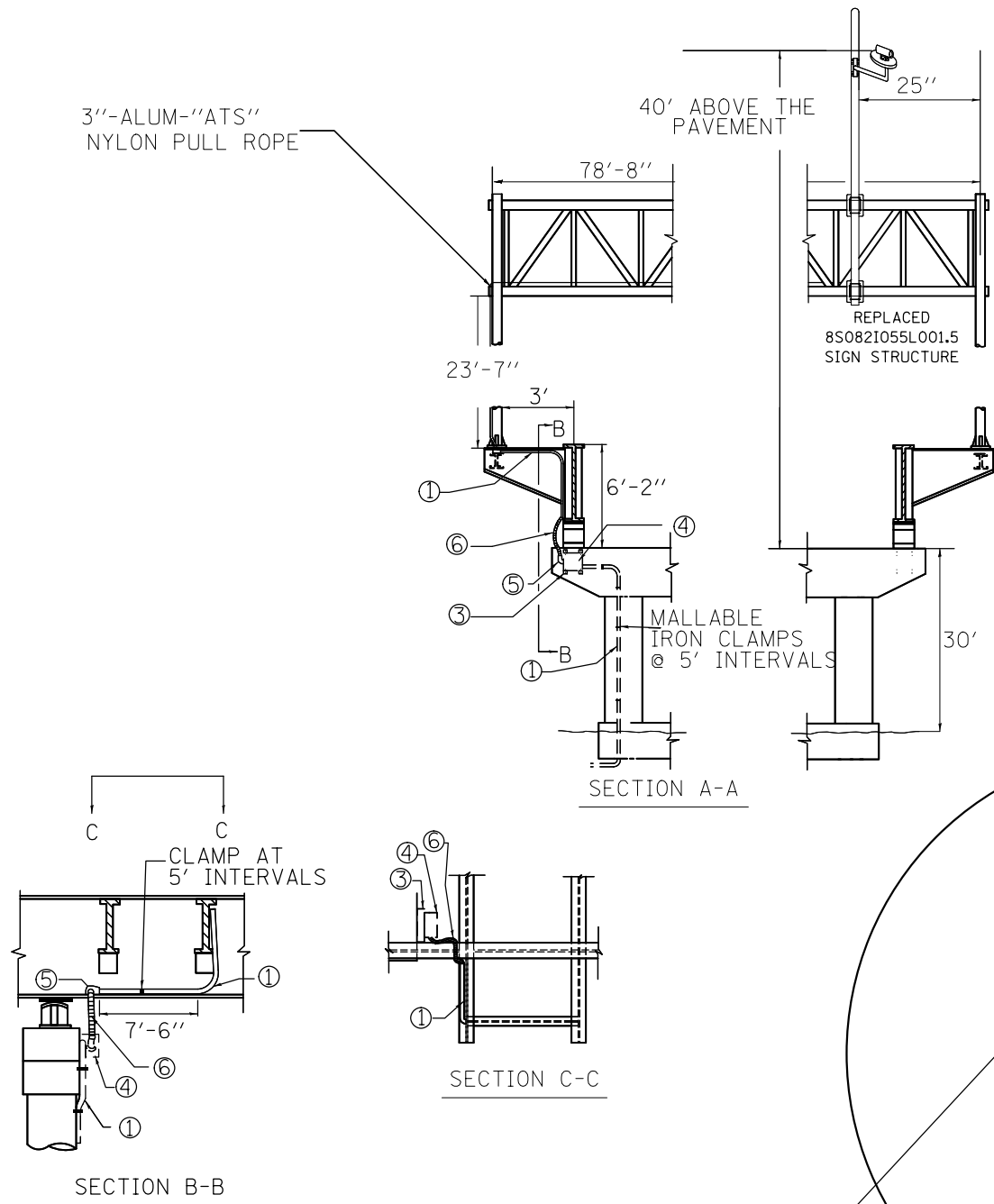
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MODIFIED CONTROLLER WIRING DIAGRAM			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0320451\0876009-Shr-TS.dgn	PLOT SCALE = 100.0000' / 1in.	DRAWN -	REVISED -					64	82-(1,4)B-1	ST. CLAIR	406	92
	PLOT DATE = 7/22/2014	CHECKED -	REVISED -		CONTRACT NO. 76G09			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



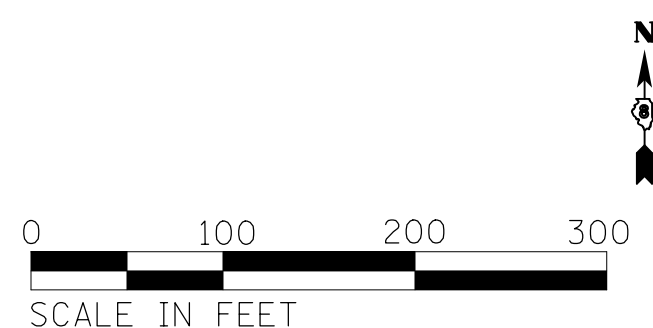
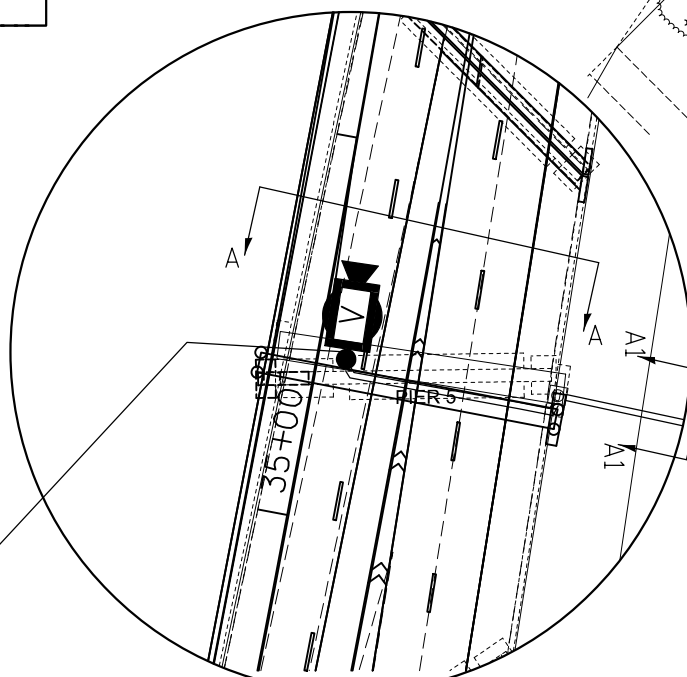
NOTE:
1. THE CONTRACTOR SHALL COORDINATE STAINLESS STEEL JUNCTION BOX LOCATION WITH GUARDRAIL TERMINATION AT PARAPET WALL.

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JUNCTION BOX ATTACHED TO PARAPET WALL DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\prestonme\d0320451\0876009-Sht-TS.dgn	76009-Sht-TS.dgn	DRAWN -	REVISED -			64	82-(1,4)B-1	ST. CLAIR	406	93
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 76G09				
PLOT DATE = 10/1/2014	DATE -	REVISED -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

- LEGEND
1. 3"-ALUM-"ATS"
 2. "NA" FOR "RELOCATE VIDEO VEHICLE DETECTOR SYSTEM"
 3. 1 1/2"X1 1/2" 12 GAUGE GALV. STEEL CHANNEL(EX.)
 4. 12"X12"X6" ALUMINUM JUNCTION BOX (EX.)
 5. CONDULET (EX.)
 6. 3" LIQUID TIGHT FLEXIBLE CONDUIT (EX.)



RELOCATE EXISTING VIDEO VEHICLE DETECTOR-1 EACH TO REPLACED 8S082I055L001.5 SIGN STRUCTURE PER THE "RELOCATE EXISTING VIDEO VEHICLE DETECTOR" SPECIAL PROVISION



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	PLOT DATE = 7/22/2014	DATE -	REVISED -

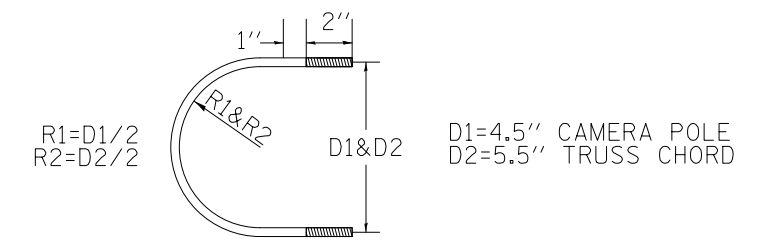
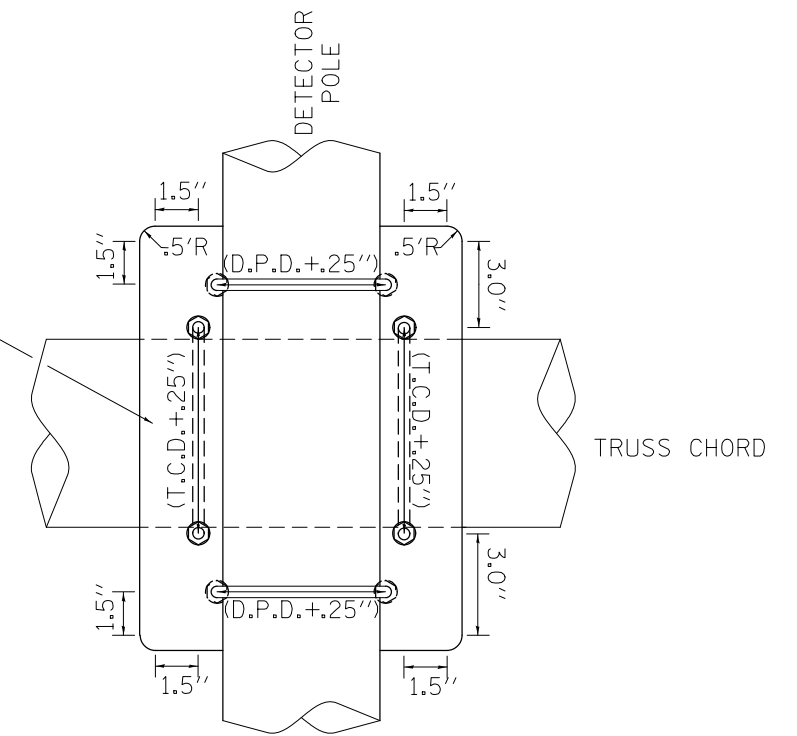
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RELOCATE EXISTING VIDEO VEHICLE DETECTOR DETAIL 1 OF 2

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	94
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

A-36 HOT DIPPED GALVANIZED
 STEEL PLATE 3/8" X H(1) X L(1)
 WITH 16 GA. STAINLESS STEEL
 SHEET PLATE BETWEEN TRUSS
 CHORDS(UPPER & LOWER)
 AND VEHICLE DETECTOR POLE
 H(1)=TRUSS CHORD DIA.(T.C.D.)+0.25" + 7.0"
 L(1)=VEHICLE DETECTOR POLE DIA.(D.P.D.)+0.25" + 4.0"

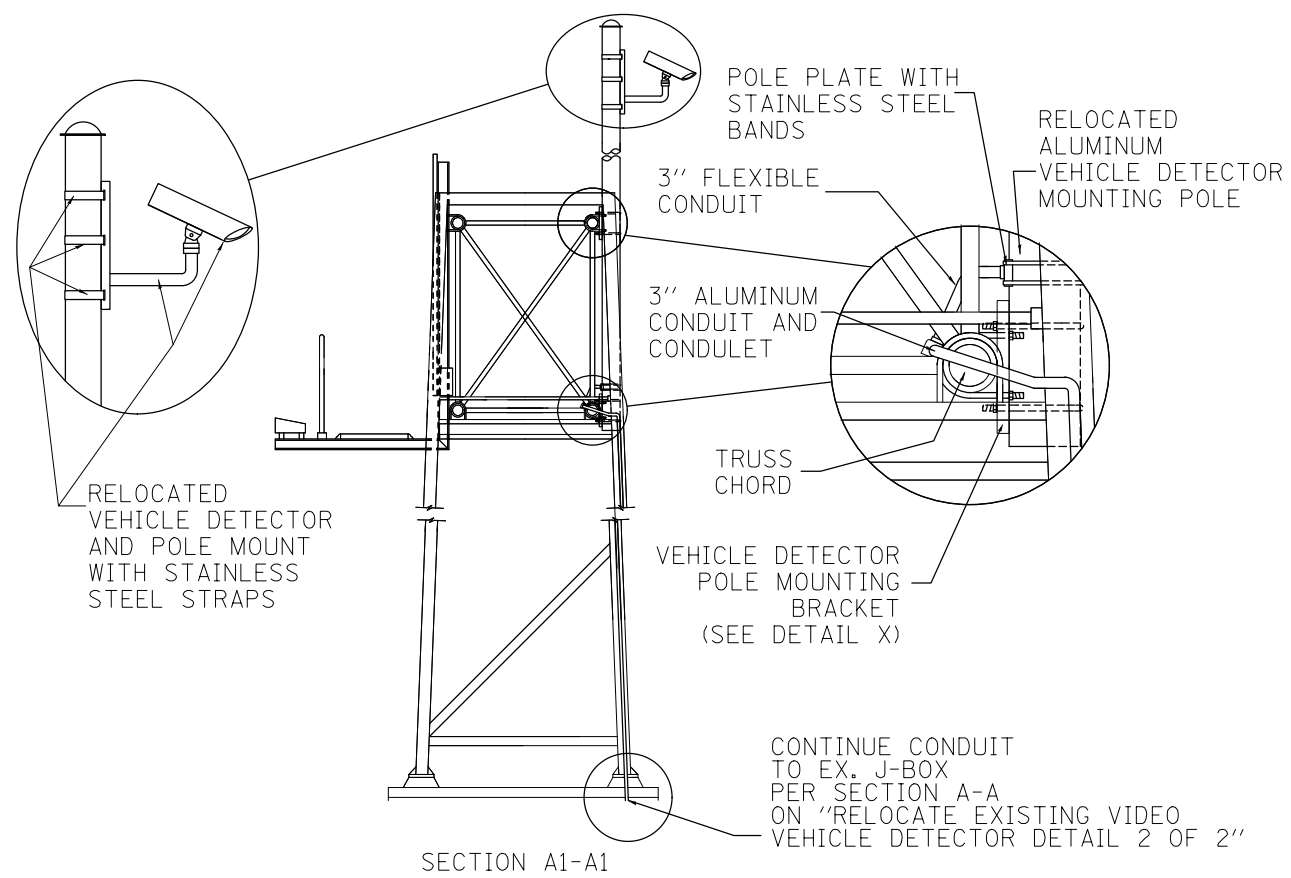


3/8 "-#16 STAINLESS STEEL U-BOLT(TYPE 304) WITH
 STAINLESS STEEL 3/8 "-16 HEX LOCKNUTS AND
 3/8 "-16 FLAT WASHER(TYPE 304)-SEE NOTE 3

DETAIL X

NOTES

1. MOUNTING HARDWARE SHALL BE ALUMINUM, COATED PER THE MANUFACTURER'S RECOMMENDATION AND THE ENGINEER'S APPROVAL. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI -SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. FIELD MEASUREMENTS FOR THE VEHICLE DETECTOR POLE MOUNTING BRACKET AND U- BOLTS DIMENSIONS ARE REQUIRED. THE LOCATION OF THE VIDEO VEHICLE DETECTOR SHALL AGREE WITH OPERATIONS' REQUIREMENTS PER THE SPECIAL PROVISION AND BE APPROVED BY THE ENGINEER BEFORE DETECTOR POLE AND CONDUIT INITIATES.
3. U- BOLTS SHALL BE PRODUCED FROM ASTM A276, TYPE304, 304L, 316, CONDITION A, COLD FINISH, OR AN EQUIVALENT MATERIAL ACCEPTABLE TO THE ENGINEER. ALL NUTS SHALL BE STAINLESS STEEL CONFORMING TO ASTM A194, GRADE 8 (AISI TYPE 304) OR GRADE 8F (AISI TYPE 303). THE NUTS SHALL BE "LOCKNUTS" WITH NYLON OR STEEL INSERTS AND SEMI FINISHED HEXAGONAL HEADS EQUIVALENT TO THE FINISHED HEX SERIES OF THE AMERICAN NATIONAL STANDARDS. ALL WASHERS SHALL BE STAINLESS STEEL CONFORMING TO ASTM A240, TYPE 302 OR 304.



SECTION A1-A1

RELOCATE EXISTING VIDEO VEHICLE DETECTOR
 DETAIL

(NOT TO SCALE)

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PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = 7/22/2014		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RELOCATE EXISTING VIDEO VEHICLE DETECTOR DETAIL 2 OF 2

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(1,4)B-1	ST. CLAIR	406	95
CONTRACT NO. 76G09				
ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled "□" on southeast end of the M.L. King bridge, on SW corner of concrete slab. Elev. 439.63.

Existing Structure: None.

No Salvage.

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge
Design Specifications, 6th Edition,
with 2013 interims

DESIGN STRESSES

FIELD UNITS

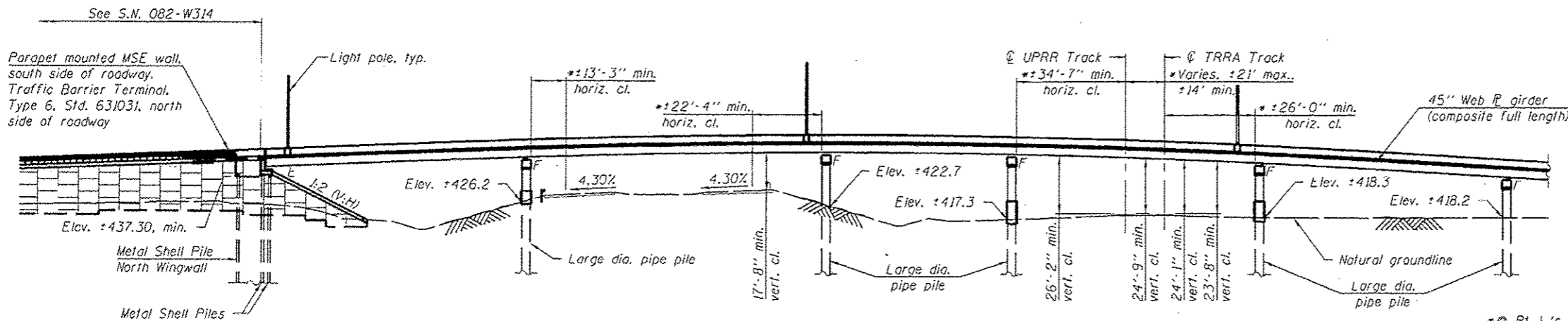
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 $f_y = 70,000$ psi (M270 Grade 70W)

PRECAST UNITS

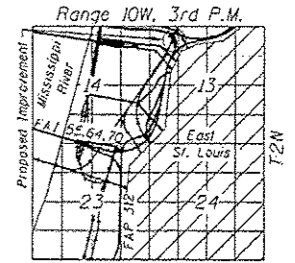
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.24g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.54g
Soil Site Class = D

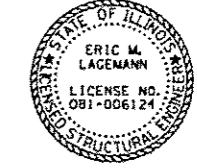


PART ELEVATION



LOCATION SKETCH

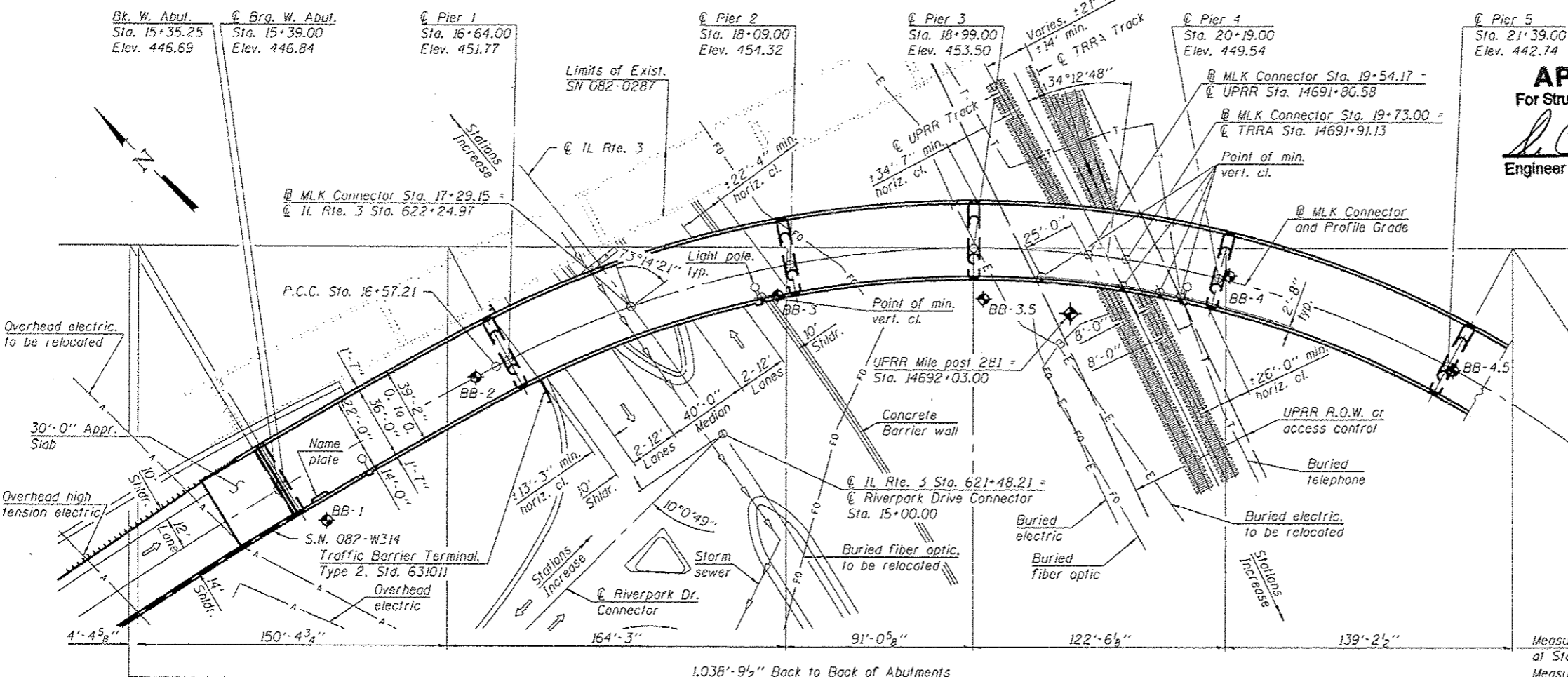
APPROVED
For Structural Adequacy Only
Eric Lagemann
Engineer of Bridges & Structures



Eric Lagemann 9/16/14
License Expires 11/30/2014
Sheets 1 thru 16
Sheets 22 thru 29
Sheets 41 thru 68
Sheets 73 thru 97



Chadwick J. Frustring 9/16/2014
License Expires 11/30/2014
Sheets 17 thru 21
Sheets 30 thru 40
Sheets 69 thru 72



PART PLAN

GENERAL PLAN
MLK CONNECTOR OVER IL RTE. 3,
UPRR, AND TRRA
F.A.I. 64 - SECTION 82-(1.4)B-1
ST. CLAIR COUNTY
STATION 20+09.00
STRUCTURE NO. 082-0349

Notes:
① bearing at abutments and ② piers are radial to ③ MLK Connector.
No freetail deck drains will be permitted in the span over the tracks or within 10 ft. of cross arms of a railroad pole line.

FILE NAME: X:\1209\08-MLK\082-0349.dwg	DESIGNED - E.M. Lagemann	REVISED
USER NAME: elagemann	CHECKED - T.S. Friederich	REVISED
PLOT SCALE:	DRAWN - E.M. Lagemann	REVISED
PLOT DATE: 9/16/2014	CHECKED - M.A. Banashek	REVISED

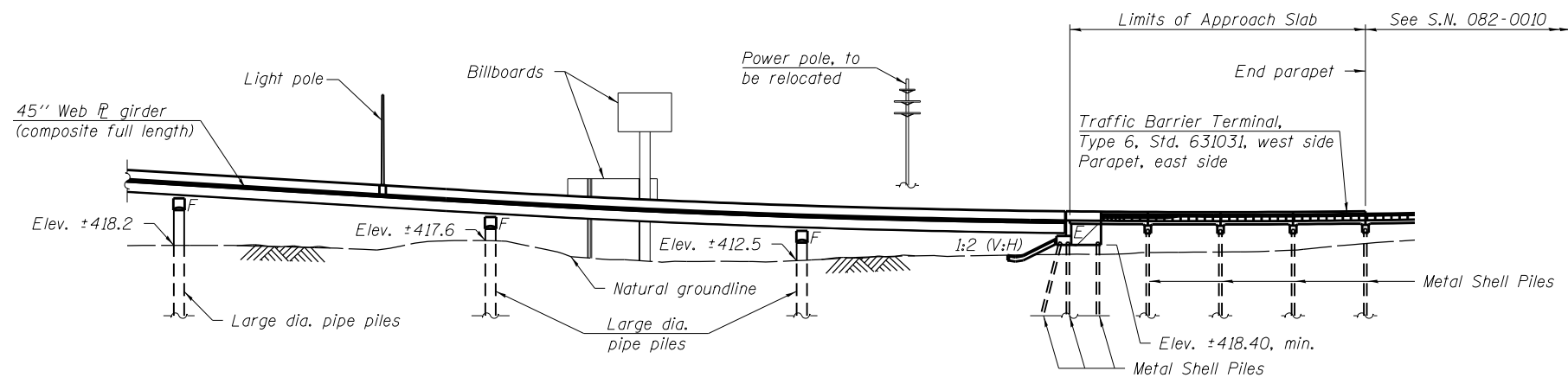
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 97 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-1.4B-1	ST. CLAIR	406	96
			CONTRACT NO. 76009	

STATION 20+09.00
 BUILT 201 BY
 STATE OF ILLINOIS
 F.A.I. 64 SEC. 82-(1,4)B-1
 LOADING HL-93
 STRUCTURE NO. 082-0349

NAME PLATE
 See Std. 515001



PART ELEVATION

**CURVE DATA
 MLK CONNECTOR CURVE 1**

P.I. Sta. = 14+13.01
 $\Delta = 10^{\circ}46'23''$ (Rt.)
 $D = 2^{\circ}11'57''$
 $R = 2,605.23'$
 $T = 245.65'$
 $L = 489.85'$
 $E = 11.56'$
 $e = 2.80\%$
 $T.R. = N/A$
 $S.E. Run = 77.00'$
 $P.C. Sta. = 11+67.36$
 $P.C.C. Sta. = 16+57.21$

**CURVE DATA
 MLK CONNECTOR CURVE 2**

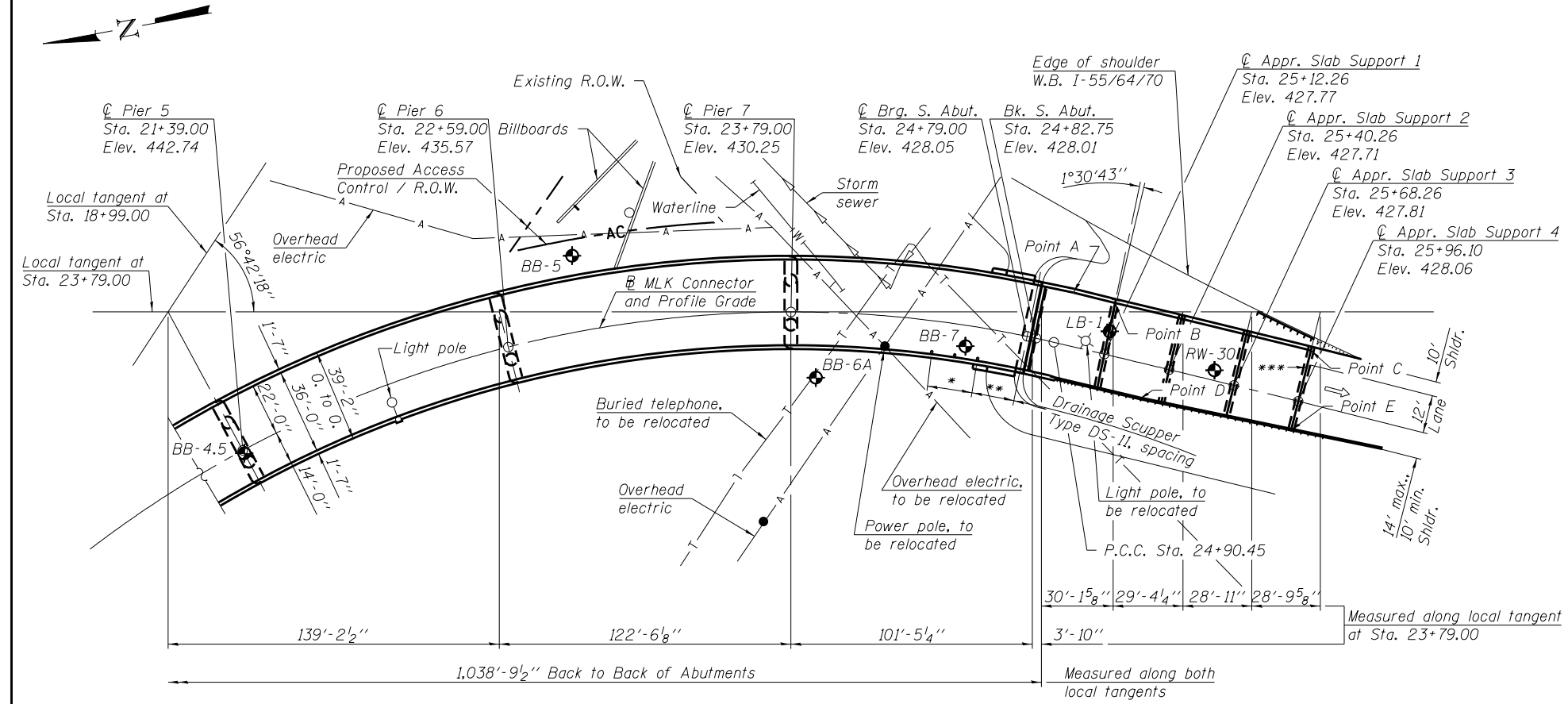
P.I. Sta. = 22+19.44
 $\Delta = 98^{\circ}26'08''$ (Rt.)
 $D = 11^{\circ}48'49''$
 $R = 485.00'$
 $T = 562.23'$
 $L = 833.24'$
 $E = 257.51'$
 $e = 6.00\%$
 $T.R. = N/A$
 $S.E. Run = 165.00'$
 $P.C.C. Sta. = 16+57.21$
 $P.C.C. Sta. = 24+90.45$

**CURVE DATA
 MLK CONNECTOR CURVE 3**

P.I. Sta. = 26+73.36
 $\Delta = 2^{\circ}39'46''$ (Rt.)
 $D = 0^{\circ}43'41''$
 $R = 7,870.00'$
 $T = 182.91'$
 $L = 365.75'$
 $E = 2.13'$
 $e = \text{transition}$
 $T.R. = N/A$
 $S.E. Run = N/A$
 $P.C.C. Sta. = 24+90.45$
 $P.R.C. Sta. = 28+56.21$

**CURVE DATA
 RELOC. IL RTE. 3**

P.I. Sta. = 620+50.65
 $\Delta = 39^{\circ}34'55''$ (Lt.)
 $D = 2^{\circ}45'00''$
 $R = 2,083.48'$
 $T = 749.73'$
 $L = 1,439.34'$
 $E = 130.79'$
 $e = 4.30\%$
 $T.R. = 36.00'$
 $S.E. Run = 102.00'$
 $P.C. Sta. = 613+00.92$
 $P.T. Sta. = 627+40.27$



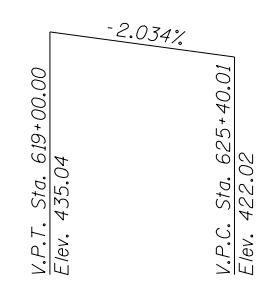
PART PLAN

**TABLE OF STATIONS AND OFFSETS
 FROM MLK CONNECTOR**

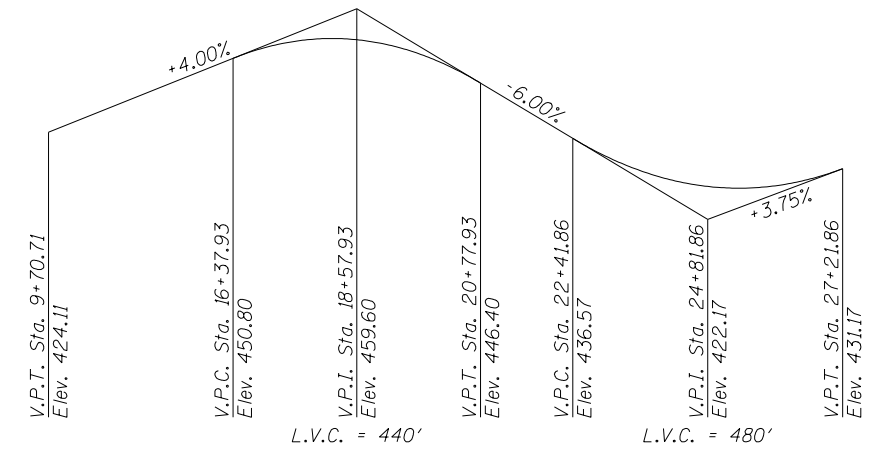
Point	Station	Offset
A	24+93.71	22'-2 ⁵ / ₈ "
B	25+11.68	22'-0"
C	25+96.10	22'-0"
D	25+31.04	14'-11"
E	25+96.10	12'-7"

* 2 Spa. at 9'-9" = 19'-6"
 ** 18'-6"
 *** Provide 4" Preformed Joint Seal Expansion Joint

Note:
 C bearing at abutments and C piers are radial to MLK Connector, except as shown.
 Scupper spacing measured along inside face of parapet.



PROFILE GRADE
 (Along IL Rte. 3)



PROFILE GRADE
 (Along MLK Connector)

GENERAL NOTES

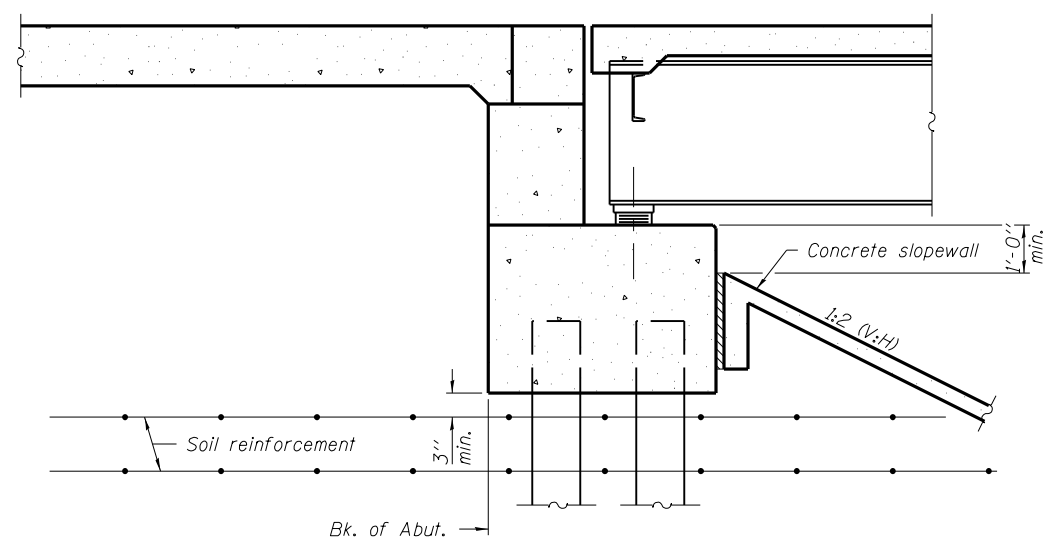
Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
 Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
 Calculated weight of Structural Steel = 1,343,200 lbs. AASHTO M 270 Grade 50.
 Calculated weight of Structural Steel = 874,980 lbs. AASHTO M 270 Grade 70W.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 Concrete Sealer shall be applied to the designated areas of the abutments.
 The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for field painting of exposed surfaces of large diameter pipe pile. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.
 The erection of the structural steel shall be accomplished by a steel erection contractor or sub-contractor certified as an Advanced Certified Steel Erector (ACSE) by AISC. See special provision for "Erection of Complex Steel Structures".
 Slipforming of the parapets is not allowed.
 Prior to the placement of the joint block-out, the Contractor shall coordinate with the Modular Joint Manufacturer to ensure that the joint will be properly supported and that the reinforcement bars will not interfere with the joint components. Any necessary adjustments to the reinforcement layout shall be submitted to the Engineer for approval.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		351	351
Concrete Structures	Cu. Yd.		933.2	933.2
Concrete Superstructure	Cu. Yd.	1,591.8		1,591.8
Bridge Deck Grooving	Sq. Yd.	4,130		4,130
Protective Coat	Sq. Yd.	5,369		5,369
Precast Concrete Caps	Each		7	7
Furnishing and Erecting Structural Steel	L Sum	0.65		0.65
Stud Shear Connectors	Each	34,067		34,067
Reinforcement Bars, Epoxy Coated	Pound	402,740	194,480	597,220
Bar Splicers	Each		74	74
Mechanical Splicers	Each		286	286
Slope Wall 4 inch	Sq. Yd.		403	403
Furnishing Metal Shell Piles 14" X 0.250"	Foot		3,117	3,117
Driving Piles	Foot		3,117	3,117
Test Pile Metal Shells	Each		2	2
Pile Shoes	Each		24	24
Name Plates	Each			1
Preformed Joint Seal 4"	Foot	34		34
Anchor Bolts, 1 1/2"	Each	168		168
Concrete Sealer	Sq. Ft.		839	839
Geocomposite Wall Drain	Sq. Yd.		34	34
High Load Multi-Rotational Bearings, Guided Expansion, 200 K	Each	12		12
High Load Multi-Rotational Bearings, Fixed, 400 K	Each	6		6
High Load Multi-Rotational Bearings, Fixed, 450 K	Each	30		30
High Load Multi-Rotational Bearings, Fixed, 550 K	Each	6		6
Granular Backfill for Structures	Cu. Yd.		77	77
Drainage Scuppers, DS-II	Each	3		3
Modular Expansion Joint - Swivel 6"	Foot	76		76
Pipe Underdrains for Structures 4"	Foot		46	46
Furnishing Metal Large Diameter Pipe Piles 60" X 1.00"	Foot		1,427	1,427
Driving Large Diameter Pipe Piles	Foot		1,427	1,427
Test Pile Large Diameter Pipe	Each		2	2
Pile Shoes, Large Diameter Pipe	Each		14	14
Bar Terminator	Each		252	252
High Strength Non-Shrink Grout	Cu. Ft.		1,048	1,048

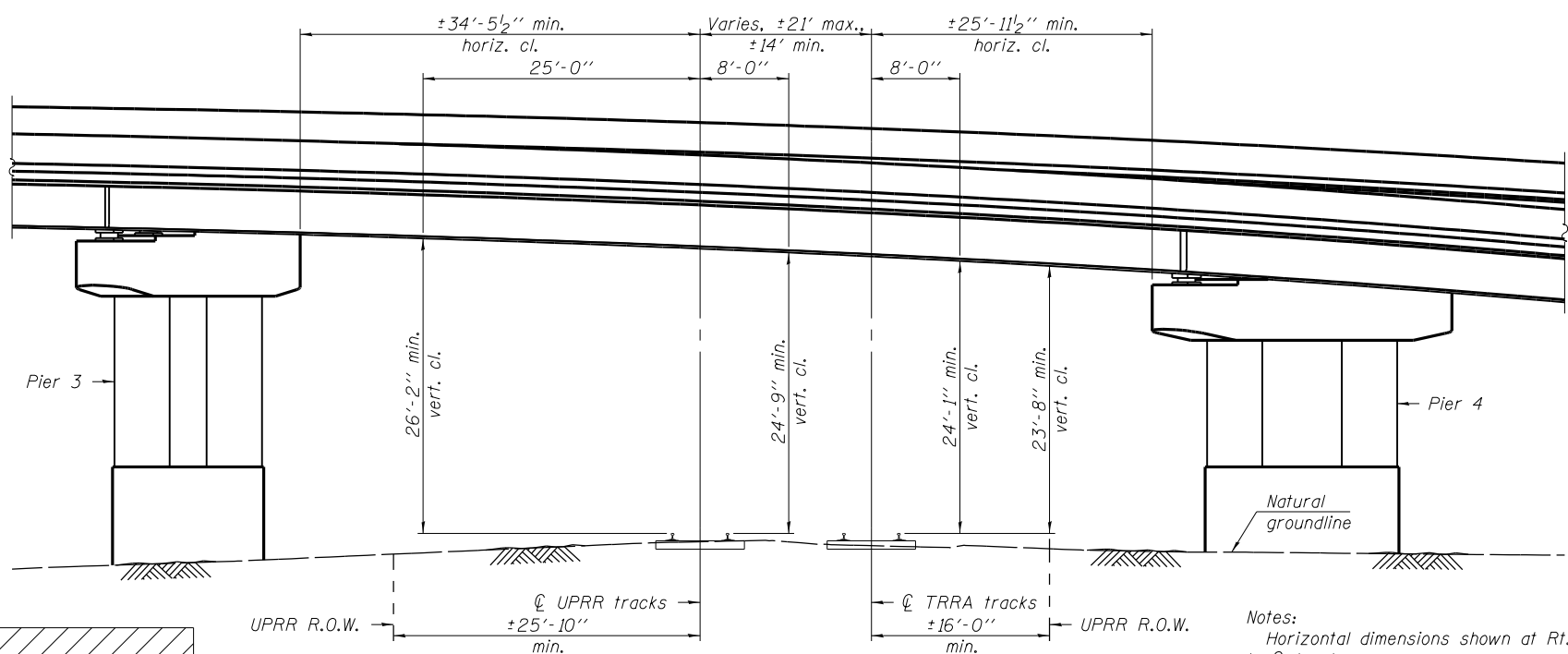
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SECTION THRU WEST ABUTMENT

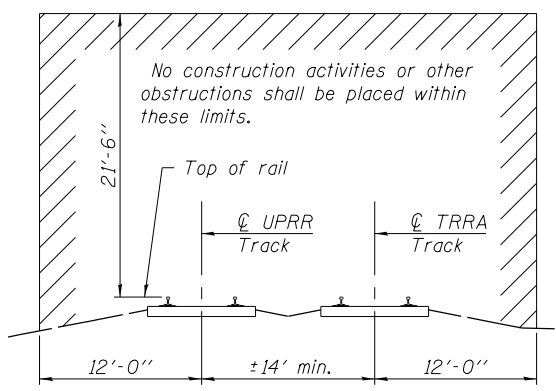
Notes:
Soil reinforcement shown is for MSE wall that parallels the MLK Connector.
For MSE wall details, see S.N. 082-W314.



PART ELEVATION

(Looking North along ϕ tracks, showing Span 4)

Notes:
Horizontal dimensions shown at Rt. L's to ϕ tracks.
Horizontal dimensions from ϕ tracks to UPRR R.O.W. are measured near Piers 3 and 4.



CONSTRUCTION CLEARANCE DIAGRAM

(Horiz. dim. ϕ Rt. L's to ϕ tracks)

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
14681+00.00	418.65	14682+00.00	418.80	14683+00.00	418.81	14684+00.00	418.98	14685+00.00	419.48	14686+00.00	419.64	14687+00.00	419.59	14688+00.00	419.71	14689+00.00	419.80	14690+00.00	419.93
14691+00.00	420.05	14692+00.00	420.57	14693+00.00	421.27	14694+00.00	422.37	14695+00.00	423.49	14696+00.00	424.69	14697+00.00	425.75	14698+00.00	426.43	14699+00.00	426.67	14700+00.00	426.91
14701+00.00	426.93	14702+00.00	426.82	14703+00.00	426.18														

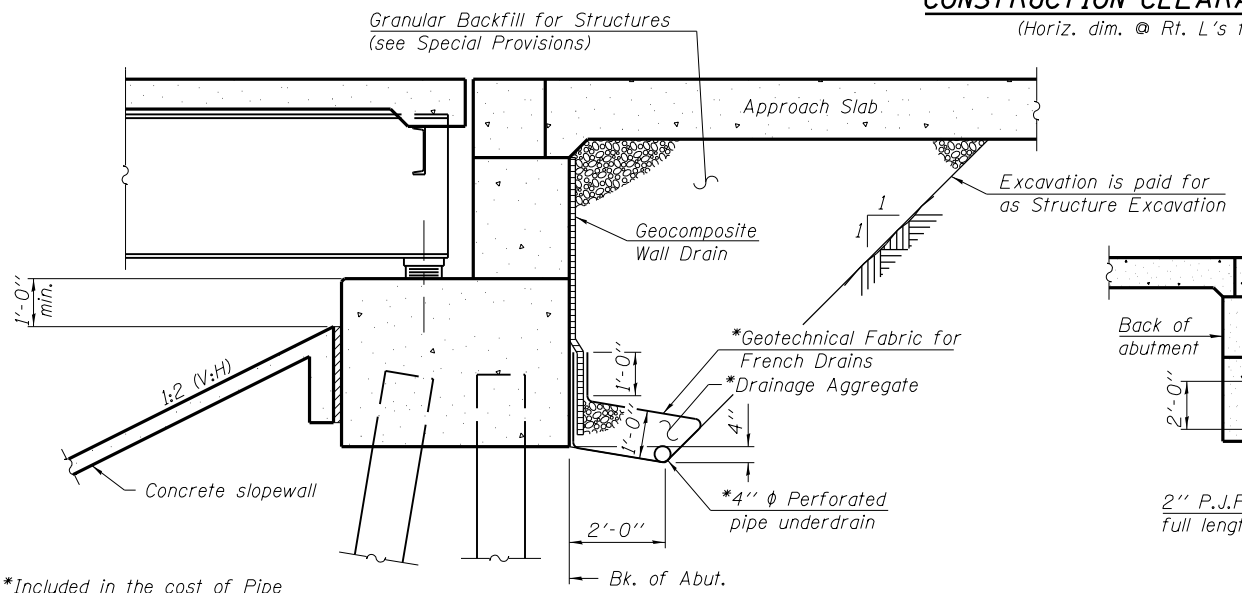
PROFILE GRADE

(Along UPRR tracks)

Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.	Sta.	Elev.
14681+00.00	418.61	14682+00.00	418.76	14683+00.00	418.70	14684+00.00	418.80	14685+00.00	419.00	14686+00.00	419.00	14687+00.00	419.10	14688+00.00	419.40	14689+00.00	419.58	14690+00.00	419.69
14691+00.00	419.94	14692+00.00	420.48	14693+00.00	421.38	14694+00.00	422.33	14695+00.00	423.53	14696+00.00	424.60	14697+00.00	425.60	14698+00.00	426.41	14699+00.00	426.66	14700+00.00	426.49
14701+00.00	426.47	14702+00.00	426.93	14703+00.00	427.48														

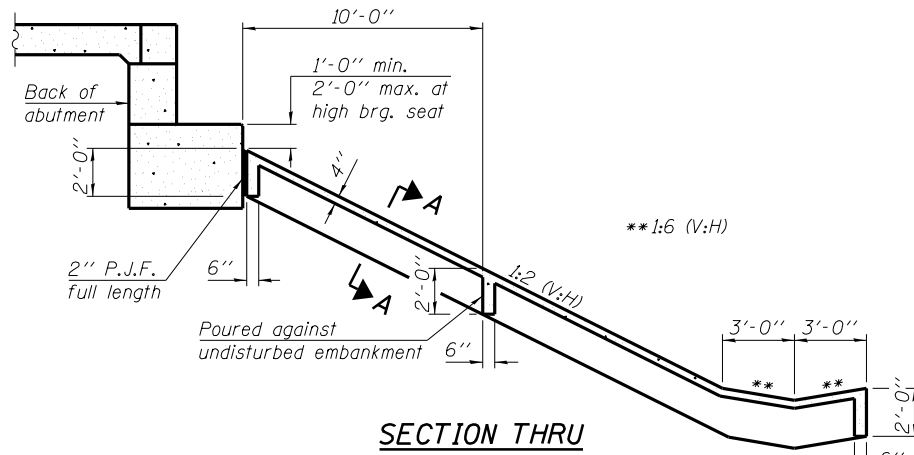
PROFILE GRADE

(Along TRRA tracks)



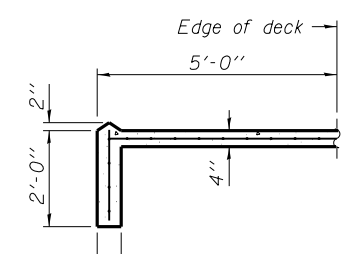
SECTION THRU SOUTH ABUTMENT

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



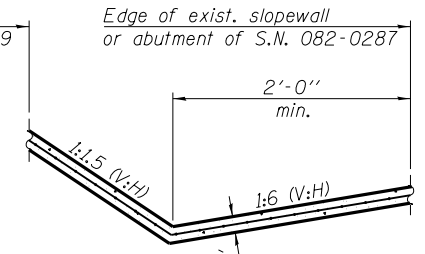
SECTION THRU CONCRETE SLOPEWALL

Note:
Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

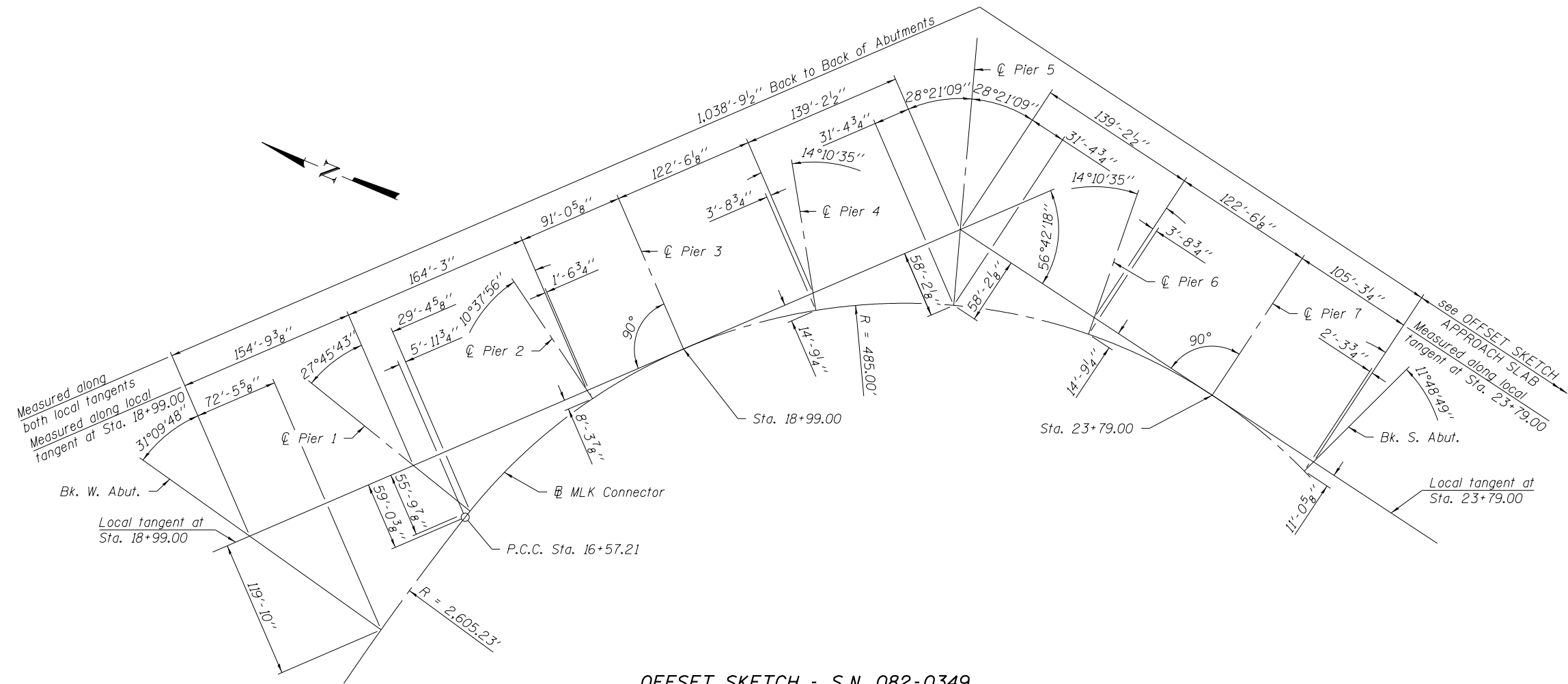


SOUTH ABUTMENT

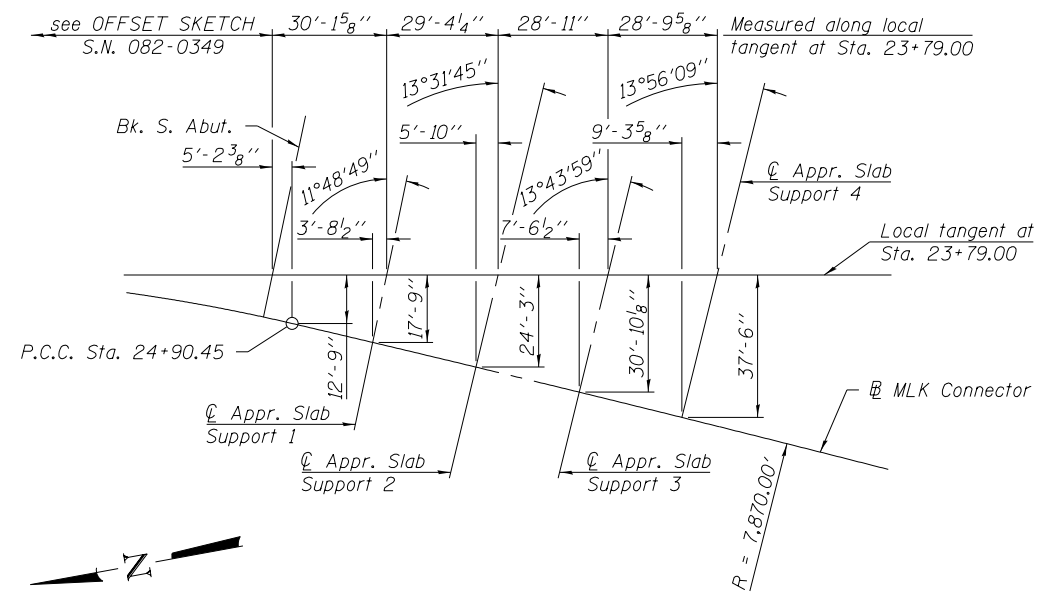
SECTION A-A



WEST ABUTMENT



OFFSET SKETCH - S.N. 082-0349



OFFSET SKETCH - APPROACH SLAB