

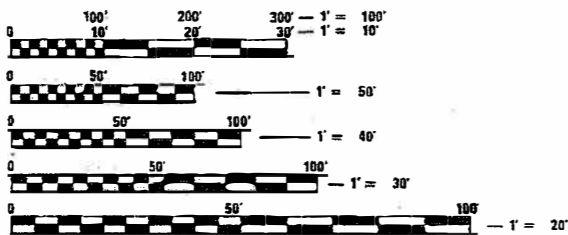
FOR INDEX OF SHEETS AND LIST OF STANDARDS, SEE SHEET NO. 3

**DESIGN DESIGNATION**  
**MLK BRIDGE APPROACH**  
**OTHER PRINCIPAL ARTERIAL**  
 ADT = 7600 (2018); 8700 (2038)  
 SU = 1.9%  
 MU = 1.5%  
 POSTED SPEED = 45 MPH

**PREPARED BY:**

**MODJESKI-MASTERS**  
 #4 SUNSET HILLS PROFESSIONAL CENTER, EDWARDSVILLE, IL 62025  
 PHONE (618) 658-9102  
 PROJECT MANAGER: JERILYN M. HASSARD, P.E.  
 www.modjeski.com

**Efk Moen, LLC**  
 Civil Engineering Design  
 303 FOUNTAINS PARKWAY, SUITE 240 FAIRVIEW HEIGHTS, IL 62208  
 (618) 206-4251 (P) / (618) 206-4253 (F)  
 PROJECT MANAGER: SHELLEY L. DINTELMAN, P.E.  
 www.efkmoen.com



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: HERVÉ GELIN (618) 346-3179  
 PROJECT MANAGER: HERVÉ GELIN (618) 346-3179  
 CONTRACT NO.: 76G39

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

FAP ROUTE 799 / FAI ROUTE 70  
 SECTION 1BR-1-1  
 PROJECT NO. NHPP-KENY(416)  
**APPROACH STRUCTURE AND RETAINING WALL REPLACEMENT  
 (MLK BRIDGE RAMPS)**  
**ST. CLAIR COUNTY**  
**JOB NO. C-98-148-18**

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ILLINOIS	TOTAL SHEETS 315	SHEET NO. 1
FED. ROAD DIST. NO. 8		CONTRACT NO. 76G39		

D-98-038-13

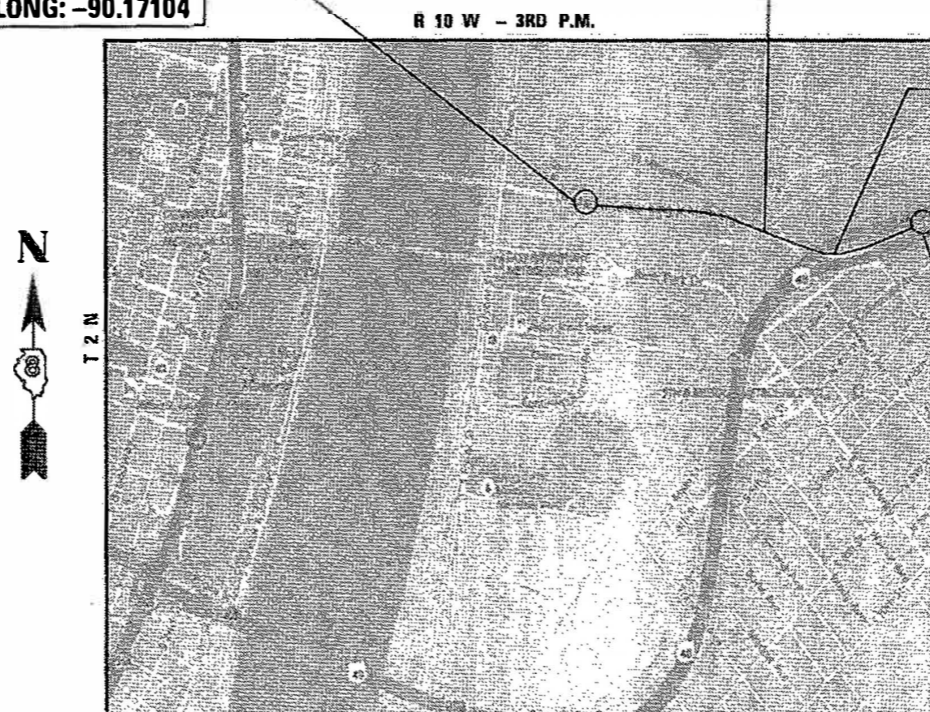


**BEGIN PROJECT**  
 STA. 43 + 36.85  
 LAT: 38.63015  
 LONG: -90.17104

**PROPOSED**  
 SN 082-0374  
 STA. 60 + 84.20  
 TO STA. 73 + 69.79

**PROPOSED**  
 SN 082-W315  
 STA. 73 + 99.29 (EB)  
 TO STA. 75 + 18.50 (WB)

**END PROJECT**  
 STA. 96 + 34.23  
 LAT: 38.63093  
 LONG: -90.15332



EAST ST. LOUIS TOWNSHIP  
 ST. CLAIR COUNTY  
**LOCATION MAP**  
 NOT TO SCALE

GROSS AND NET LENGTH OF IMPROVEMENT = 5297.38 FT = 1.003 MILES



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 23, 2018*  
*Jeffrey Z. Kane*  
 REGIONAL ENGINEER



*May 11, 2018*  
*Paul P. Chafin*  
 ENGINEER OF DESIGN AND ENVIRONMENT



*May 11, 2018*  
*Paul P. Chafin*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



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


  
 JERILYN M. HASSARD, P.E.  
 SHEETS: 1-20  
 DATE SIGNED 3/22/2018  
 LICENSE EXP DATE 11/30/2019  



  
 SHELLEY L. DINTELMAN, P.E.  
 SHEETS: 21-99, 104-130, 268-315  
 DATE SIGNED 3/22/2018  
 LICENSE EXP DATE 11/30/2019  
**EFK • Moen, LLC**  
 Civil Engineering Design


  
 LANCE V. BORDEN, P.E.  
 SHEETS: 137-144  
 DATE SIGNED 3/22/2018  
 LICENSE EXP DATE 11/30/2019  


  
 JERILYN M. HASSARD, P.E., S.E.  
 SHEETS: 145-266  
 DATE SIGNED 3/22/2018  
 LICENSE EXP DATE 11/30/2018  


  
 COVENTINE FIDIS, P.L.S.  
 SHEETS: 100-103  
 SEE SHEET 100 FOR SIGNATURE  

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 841 N. Galena Ave. Dixon, IL 61021  
 815-288-6231  
 ILLINOIS PROFESSIONAL DESIGN  
 FIRM NO. 184-003192

SHEETS: 131-136  
 SEE SHEET 131 FOR SIGNATURE  

 Illinois Department  
 of Transportation

SHEET: 267  
 SEE SHEET 267 FOR SIGNATURE  

 Illinois Department  
 of Transportation

	USER NAME *	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PROJECT SEALS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE *	DRAWN - AEC	REVISED -			799	1BR-1-1	ST. CLAIR	315	2
	PLOT DATE = 83/22/2018	CHECKED - JMH	REVISED -			SCALE: N.T.S.   STA. 43+36.85 TO STA. 96+34.23				
	DATE - 03/2018	REVISED -		CONTRACT NO. 76C39 ILLINOIS FED. AID PROJECT						

**INDEX OF SHEETS**


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 261-263 S.N. 082-0287 - STRUCTURE REPAIRS  
 264-266 S.N. 082-0288 - STRUCTURE REPAIRS  
 267 S.N. 082-0135 - STRUCTURE REPAIRS  
 268-315 CROSS SECTIONS

**HIGHWAY STANDARDS**

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 001001-02 AREAS OF REINFORCEMENT BARS  
 001006 DECIMAL OF AN INCH AND OF A FOOT  
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS  
 420001-09 PAVEMENT JOINTS  
 420401-12 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB  
 442101-08 CLASS B PATCHES  
 483001-05 PCC SHOULDER  
 515001-03 NAME PLATE FOR BRIDGES  
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION  
 602001-02 CATCH BASIN, TYPE A  
 602301-04 INLET, TYPE A  
 602306-03 INLET, TYPE B  
 602401-04 MANHOLE, TYPE A  
 602406-08 MANHOLE, TYPE A 6' (1.8M) DIAMETER  
 602411-06 MANHOLE, TYPE A 7' (2.1M) DIAMETER  
 602601-05 PRECAST REINFORCED CONCRETE FLAT SLAB TOP  
 602701-02 MANHOLE STEPS  
 604006-05 FRAME AND GRATE, TYPE 3  
 604016-04 FRAME AND GRATE, TYPE 4  
 604036-03 GRATE, TYPE B  
 604076-04 FRAME AND GRATES, TYPE 21  
 604081-04 FRAMES AND GRATES, TYPE 22  
 604091-03 FRAME AND GRATE, TYPE 24  
 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER  
 610001-08 SHOULDER INLET WITH CURB  
 630001-12 STEEL PLATE BEAM GUARDRAIL  
 630301-08 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
 631026-06 TRAFFIC BARRIER TERMINAL, TYPE 5  
 631031-15 TRAFFIC BARRIER TERMINAL, TYPE 6  
 635001-02 DELINATORS  
 637001-05 CONCRETE BARRIER 32 IN. (815MM) HEIGHT  
 642001-02 SHOULDER RUMBLE STRIPS, 16 IN.  
 643001-02 SAND MODULE IMPACT ATTENUATORS  
 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701401-11 LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701402-12 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER  
 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, SPEEDS > 45 MPH  
 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY  
 701446-09 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701901-07 TRAFFIC CONTROL DEVICES  
 704001-08 TEMPORARY CONCRETE BARRIER  
 720001-01 SIGN PANEL MOUNTING DETAILS  
 720006-04 SIGN PANEL ERECTION DETAILS  
 720021-02 SIGN PANEL, EXTRUDED ALUMINUM TYPE  
 725001-01 OBJECT AND TERMINAL MARKERS  
 728001-01 TELESCOPING STEEL SIGN SUPPORT  
 780001-05 TYPICAL PAVEMENT MARKINGS  
 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS  
 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS  
 821101-02 LUMINAIRE WIRING IN POLE  
 830021-02 LIGHT POLE STEEL TENON TOP

**COMMITMENTS**

- A. ALL BRICK PAVERS REMOVED FROM MISSOURI AVENUE SHALL BE PRESERVED FOR FUTURE USE BY THE CITY OF EAST ST. LOUIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE PUBLIC WORKS DIRECTOR FOR THE CITY OF EAST ST. LOUIS AT 618-482-6737 AND DELIVERING THE BRICK PAVERS TO A STORAGE LOCATION TO BE DESIGNATED BY THE CITY. ANY COST RELATED TO THIS WORK SHALL BE INCORPORATED INTO THE CONTRACT UNIT COST FOR BRICK PAVEMENT REMOVAL.

	USER NAME =	DESIGNED - ACK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS AND COMMITMENTS			F.A.P. RTE. 799	SECTION IBR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 3	
	PLOT SCALE =	CHECKED - JMH	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS	STA. 43+36.85 TO STA. 96+34.23	CONTRACT NO. 76639		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 03/22/2018	DATE - 03/2018	REVISED -										

**GENERAL NOTES**

- THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO VARIATIONS FOUND IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. ANY ADJUSTMENTS PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G. MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOL 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.  
  
PLEASE 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.
- ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING J.U.L.I.E. AND BY NOTIFYING NON-J.U.L.I.E. MEMBERS INDIVIDUALLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:  
  
  - AMEREN ILLINOIS - GAS & ELECTRIC
  - AT&T ILLINOIS - COMMUNICATIONS
  - AT&T CORPORATION - COMMUNICATIONS
  - CENTURYLINK, INC. - COMMUNICATIONS
  - CHARTER COMMUNICATIONS - CABLE TV
  - CITY OF EAST ST. LOUIS - LIGHTING & SEWER
  - ILLINOIS AMERICAN WATER COMPANY - WATER
  - LEVEL 3 COMMUNICATIONS, LLC - COMMUNICATIONS
  - VERIZON BUSINESS - COMMUNICATIONS
  - ZAYO FIBER SOLUTIONS - COMMUNICATIONS

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)
- THE PROPOSED PAVEMENT MARKING SHALL TIE INTO THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- 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.
- CHANGEABLE MESSAGE SIGNS (CMS) ARE REQUIRED FOR THIS PROJECT. CMS SHALL BE PLACED TWO WEEKS IN ADVANCE OF THE MLK BRIDGE APPROACH CLOSURE ALONG I-55SB/70WB, I-64WB, IL ROUTE 3 (ST. CLAIR AVENUE), COLLINSVILLE ROAD, AND MARTIN LUTHER KING DRIVE. AFTER CLOSURE OF THE MLK BRIDGE APPROACH, STATIC SIGN PANELS SHALL BE ERECTED IN PLACE OF THE CMS FOR THE DURATION OF THE BRIDGE APPROACH CLOSURE. ADDITIONAL CMS ARE REQUIRED FOR THE FULL CLOSURE OF I-55SB/70WB AND I-64WB EAST OF THE I-255 DETOUR AND AS SHOWN ON THE TRAFFIC CONTROL PLAN.
- FOR STABILIZATION ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- EXISTING STRUCTURE PLANS ARE AVAILABLE FOR REVIEW IN THE DISTRICT OFFICE. CONTACT HERVE GELIN AT (618) 346-3179.
- ALL TURF AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- THE REMOVAL OF THE BRIDGE APPROACH PAVEMENT, CONNECTOR, AND SLEEPER SLAB IS INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- REVISE STANDARD SPECIFICATIONS ARTICLE 107.12, PARAGRAPH 5, LAST SENTENCE TO READ: "ALL OTHER RAILROAD FLAGGER COSTS WILL BE INCURRED BY THE DEPARTMENT ACCORDING TO ARTICLE 109.05."
- THE RESIDENT ENGINEER SHALL COORDINATE WITH THE DEPARTMENT'S BUREAU OF OPERATIONS TO LOCATE ANY HIGHWAY LIGHTING, PUMP STATION, AND INTELLIGENT TRANSPORTATION SYSTEM FACILITIES. NO TRENCHING SHALL BE DONE BY THE CONTRACTOR UNTIL THE RESIDENT ENGINEER PROVIDES VERIFICATION TO THE CONTRACTOR THAT THIS COORDINATION HAS BEEN COMPLETED.

**GENERAL NOTES (CONT.)**

- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL LOCATIONS AT ALL TIMES. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, REGRADING, PLUGGING ABANDONED PIPES, OR OTHER ACTIVITIES REQUIRED BY THE ENGINEER.
- ALL NEW TRAFFIC BARRIER TERMINALS SHALL BE CORED, NO DRILLING WILL BE PERMITTED INTO THE PARAPET WALLS, MEDIANS, PIERS, ETC. ACCORDING TO ARTICLE 631.07. FOR THIS WORK, ANY DAMAGE TO THE PARAPET WALLS, MEDIANS, PIERS, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- A FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCRONCHING THE LANE OF TRAFFIC.
- ALL REMOVED GUARDRAIL COMPONENTS ARE THE PROPERTY OF THE CONTRACTOR AND THE SALVAGE VALUE OF SAID COMPONENTS SHALL BE REFLECTED IN THE CONTRACTOR'S BID.
- A NOTCHED WEDGE LONGITUDINAL JOINT SHALL BE USED BETWEEN SUCCESSIVE PASSES OF HMA SURFACE COURSE THAT HAS A DIFFERENCE IN ELEVATION OF GREATER THAN 2 IN. BETWEEN LANES ON PAVEMENT THAT IS OPEN TO TRAFFIC. THE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ANY WASTE GENERATED AS A SPECIAL WASTE, OR A WASTE NOT CERTIFIED AS A NON-SPECIAL WASTE FROM THIS PROJECT, SHOULD BE MANIFESTED OFF-SITE USING THE GENERATOR NUMBER ASSOCIATED WITH ST. CLAIR. THE GENERATOR NUMBER FROM ST. CLAIR COUNTY IS 1638995004.
- 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.
- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE ORDERING STORM SEWERS, CATCH BASINS AND MANHOLES, THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LENGTH AND QUANTITY REQUIRED.
- THE DISTRICT LAND ACQUISITION SECTION SHALL BE CONTACTED IF DIFFERENCES ARE IDENTIFIED BETWEEN ANY PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE ENGINEERING PLAN SHEETS AS COMPARED TO THE SAME PROPOSED RIGHT-OF-WAY OR EASEMENT SHOWN ON THE PLAT OF HIGHWAYS. QUESTIONS OR CONCERNS REGARDING THESE ITEMS SHOULD BE DIRECTED TO CLINT MARSHALL AT (618) 346-3124.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- IF ANY SECTION OR SUB-SECTION MONUMENT (I.E. STONE, BRASS PLUG, ALUMINUM DISK, IRON PIPE OR PIN, MAG NAIL, CROSS, ETC.) IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENT IS REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE THE MONUMENT IN PLACE UNTIL AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING" HAS REFERENCED ITS LOCATION.
- ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING".
- THE RIGHT-OF-WAY, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SHALL BE STAKED PRIOR TO ANY CONSTRUCTION OPERATIONS. STAKES SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM EACH OTHER AND ARE SUFFICIENT SPACING TO DETERMINE THE LOCATION OF THE RIGHT-OF-WAY OR EASEMENT IN ANY LOCATION. THE RIGHT-OF-WAY SHALL BE STAKED BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES - SURVEYING". THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CONSTRUCTION LAYOUT.
- THE RIGHT-OF-WAY OR PROPERTY CORNER IS MONUMENTED WITH A 5/8" IRON ROD, THIRTY INCHES (30") IN LENGTH, WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT-OF-WAY MARKER. THE RIGHT-OF-WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT-OF-WAY BOUNDARY. THE RIGHT-OF-WAY MARKER SHALL BE A WITNESS TO THE MONUMENT.

31. FACTORS 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/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056 TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05 TON/CU YD
BITUMINOUS MATERIALS:	
BITUMINOUS MATERIALS (TACK COAT):	
-UNDER SURFACE	0.025 LB/SQ FT
-UNDER BINDER	0.05 LB/SQ FT
POLYMERIZED BITUMINOUS MATERIALS (TACK COAT):	
-UNDER SURFACE	0.025 LB/SQ FT
RIP RAP	1.5 TON/CU YD
SEEDING, CLASS 2A, 4A	200 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
MULCH	2 TON/ACRE

**MIXTURE DESIGNS**

MIXTURE USE(S):	POLY SURFACE	LEVEL BINDER
AC/PG:	SBS PG 76-22	PG 64-22
RAP% (MAX):	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% at Ndes=70	4.0% at Ndes=70
MIX COMPOSITION: (GRADATION)	IL 9.5	IL 9.5FG
FRICITION AGGREGATE	MIXTURE "D"	MIXTURE "C"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

MIXTURE USE(S):	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG:	PG 64-22	PG 64-22
RAP% (MAX):	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% at Ndes=30	4.0% at Ndes=30
MIX COMPOSITION: (GRADATION)	IL 19.0L	IL 9.5L
FRICITION AGGREGATE	--	--
QUALITY MGMT PROGRAM	QC/QA	QC/QA

	HMA BRIDGE OVERLAY
MIXTURE USE(S):	POLY SURFACE
AC/PG:	SBS PG 76-22
RAP% (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% at Ndes=90
MIX COMPOSITION: (GRADATION)	IL 9.5
FRICITION AGGREGATE	MIXTURE "E"
QUALITY MGMT PROGRAM	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/gr1d = 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.

MOE1 2001 MOE1 3001 MOE1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																		
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE								
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE								
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021							
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN												
20200100	EARTH EXCAVATION	CU YD	10645		10645																	
20800150	TRENCH BACKFILL	CU YD	894		894																	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3687		3687																	
25000305	SEEDING, CLASS 3A	ACRE	1		1																	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90		90																	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90		90																	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90		90																	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2		2																	
25100127	MULCH, METHOD 3A	ACRE	1		1																	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200		200																	
28000305	TEMPORARY DITCH CHECKS	FOOT	242		242																	
28000400	PERIMETER EROSION BARRIER	FOOT	3846		3846																	
28000500	INLET AND PIPE PROTECTION	EACH	12		12																	
28000510	INLET FILTERS	EACH	27		27																	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE														
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE				
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE			
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021			
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN								
28100109	STONE RIPRAP, CLASS A5	SQ YD	1779		1779													
28200200	FILTER FABRIC	SQ YD	1779		1779													
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3469		3469													
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	4526		4526													
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	163		163													
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	19156	19156														
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	249				146	103										
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	1599	1599														
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	487	487														
40600990	TEMPORARY RAMP	SQ YD	12	12														
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2412	2412														
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	78				46	32										
42000060	WELDED WIRE REINFORCEMENT	SQ YD	4406	534	3872													
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	170		170													

\* SPECIALTY ITEM



USER NAME :	DESIGNED - ACK	REVISED -
PLOT SCALE :	DRAWN - AEC	REVISED -
PLOT DATE = 03/22/2018	CHECKED - JMS	REVISED -
	DATE - 03/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES		
SCALE: N.T.S.	SHEET NO. 2 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 6
CONTRACT NO. 76639			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																	
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE							
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	HWY LIGHTING						
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021						
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN											
42000110	PORTLAND CEMENT CONCRETE PAVEMENT 6 1/2"	SQ YD	1324		1324																
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	2548		2548																
44000100	PAVEMENT REMOVAL	SQ YD	4253		4253																
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	429	429																	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	27174	27174																	
44000400	GUTTER REMOVAL	FOOT	741		741																
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1216		1216																
44000600	SIDEWALK REMOVAL	SQ FT	289		289																
44001980	CONCRETE BARRIER REMOVAL	FOOT	526		526																
44004250	PAVED SHOULDER REMOVAL	SQ YD	1008		1008																
44200573	CLASS A PATCHES, TYPE I, 12 INCH	SQ YD	10	10																	
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD	175	175																	
44200581	CLASS A PATCHES, TYPE III, 12 INCH	SQ YD	20	20																	
44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD	330	330																	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	21	21											
44213200	SAW CUTS	FOOT	2524	2524											
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	446		446										
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	730		730										
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1										
50102400	CONCRETE REMOVAL	CU YD	191.5				111.4	16.4		47.6	8.1	8.0			
50157300	PROTECTIVE SHIELD	SQ YD	8118		7739		379								
50200100	STRUCTURE EXCAVATION	CU YD	2746		1107	1639									
50300225	CONCRETE STRUCTURES	CU YD	1005.3		975.2									30.1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2690.4		2419.4	61.3	126.0	18.6		48.9	8.2	8.0			
50300260	BRIDGE DECK GROOVING	SQ YD	7996		7424					572					
50300280	CONCRETE ENCASEMENT	CU YD	16.4		16.4										
50300300	PROTECTIVE COAT	SQ YD	10207		9580	138	300	72		117					
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	152.2		152.2										



USER NAME =	DESIGNED - ACK	REVISED -
PLDT SCALE =	DRAWN - AEC	REVISED -
PLDT DATE = 03/22/2018	CHECKED - JMN	REVISED -
	DATE - 03/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**


SUMMARY OF QUANTITIES		
SCALE: N.T.S.	SHEET NO. 4 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23

F.A.P. RTE. 799	SECTION 18R-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G39	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	HWY LIGHTING
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1										
50500505	STUD SHEAR CONNECTORS	EACH	12228		12228										
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	921080		882060	9450	16240	2680		6170	1160	1170	2150		
50800515	BAR SPLICERS	EACH	126		108			18							
51100100	SLOPE WALL 4 INCH	SQ YD	2031		2031										
51202100	FURNISHING STEEL PILES HP14X117	FOOT	6791		6791										
51202305	DRIVING PILES	FOOT	6791		6791										
51204100	TEST PILE STEEL HP14X117	EACH	2		2										
51204650	PILE SHOES	EACH	54		54										
51500100	NAME PLATES	EACH	2		1	1									
52000110	PREFORMED JOINT STRIP SEAL	FOOT	866.7				378.7	125.0		251.0	56.0	56.0			
52100540	ANCHOR BOLTS, 1 1/2"	EACH	120		120										
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	732		732										
52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	2313			2313									

\* SPECIALTY ITEM


	USER NAME =	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE =	DRAWN - AEC	REVISED -			799	1BR-1-J	ST. CLAIR	315	9		
	PLOT DATE = 03/22/2018	CHECKED - JWH	REVISED -			SCALE: N.T.S.		SHEET NO. 5 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23	CONTRACT NO. 76G39		
		DATE - 03/2018	REVISED -			ILLINOIS FED. AID PROJECT						

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																	
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE							
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE							
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021						
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN											
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1		1																
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	41		41																
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	8		8																
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	148		148																
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	89		89																
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	161		161																
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	479		479																
550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	32		32																
55100300	STORM SEWER REMOVAL 8"	FOOT	60		60																
55100400	STORM SEWER REMOVAL 10"	FOOT	104		104																
55100500	STORM SEWER REMOVAL 12"	FOOT	123		123																
55101200	STORM SEWER REMOVAL 24"	FOOT	529		529																
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	1104				645	459													
58700300	CONCRETE SEALER	SQ FT	2295		2295																

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																		
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE								
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE								
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021							
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN												
59000200	EPOXY CRACK INJECTION	FOOT	200				200															
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	692		692																	
60205605	CATCH BASINS, TYPE A, 5'-DIAMETER	EACH	2		2																	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2																	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4		4																	
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3		3																	
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3		3																	
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1		1																	
60224075	MANHOLES, TYPE A, 6'-DIAMETER	EACH	1		1																	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3		3																	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1		1																	
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	4		4																	
60255500	MANHOLES TO BE ADJUSTED	EACH	3		3																	
60260100	INLETS TO BE ADJUSTED	EACH	3		3																	

\* SPECIALTY ITEM

	USER NAME :	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLDT SCALE :	DRAWN - AEC	REVISED -					799	1BR-1-i	ST. CLAIR	315	11	
	PLDT DATE : 03/22/2018	CHECKED - JMR	REVISED -		SCALE: N.T.S.	SHEET NO. 7 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23	(ILLINOIS) FED. AID PROJECT					
		DATE - 03/2018	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
60260600	INLETS TO BE ADJUSTED WITH NEW TYPE 4 FRAME AND GRATE	EACH	1		1										
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	2		2										
60404930	FRAMES AND GRATES, TYPE 22	EACH	3		3										
60500040	REMOVING MANHOLES	EACH	2		2										
60500060	REMOVING INLETS	EACH	9		9										
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5		5										
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	796		796										
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	898		898										
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2652		2652										
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2075		2075										
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1575		1575										
* 63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	25		25										
* 63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	100		100										
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2		2										


\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	HWY LIGHTING
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	8		8										
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9		9										
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2		2										
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4										
63200310	GUARDRAIL REMOVAL	FOOT	5017		5017										
63700255	CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	FOOT	376		376										
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	536		536										
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1		1										
66201120	CONCRETE SHOULDER CURB	FOOT	298		298										
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	3		3										
* 66900200	NON - SPECIAL WASTE DISPOSAL	CU YD	7500		7500										
67100100	MOBILIZATION	L SUM	1		1										
* 66900450	SPECIALWASTE PLANS AND REPORTS	L SUM	1		1										
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1										
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6		6										
* 72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	129		129										
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4										

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	476		476										
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	259		259										
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	3		3										
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	4		4										
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	13383	3226	10157										
* 78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	1612		1612										
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	25349	17616	7673										
* 78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	3929	3929											
* 78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	1171	929	242										
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	155	150	5										
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	70		70										
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	42		42										
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	170	124	46										
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	918		918										

\* SPECIALTY ITEM


	USER NAME :	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE :	DRAWN - AEC	REVISED -					799	IBR-1-1	ST. CLAIR	315	14	
	PLOT DATE :	CHECKED - JMH	REVISED -		03/22/2018	SCALE: N.T.S.	SHEET NO. 10 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23	ILLINOIS FED. AID PROJECT				
		DATE - 03/2018	REVISED -			CONTRACT NO. 76639							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																		
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE								
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE								
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021							
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN												
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	2640		2640																	
* 81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4		4																	
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	11500		11500																	
* 83060820	LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., TENON MOUNT	EACH	7		7																	
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	6		6																	
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	43																			43
84200804	REMOVAL OF POLE FOUNDATION	EACH	1		1																	
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1		1																	
* X0320100	GROOVING FOR RECESSED PAVEMENT MARKING 10"	FOOT	60	60																		
* X0320110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 9"	FOOT	60	60																		
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	4		4																	
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	4		4																	
X0323723	CONCRETE BARRIER WALL REMOVAL AND REPLACEMENT, LOCATION 1	L SUM	1	1																		
X0326796	CLEAN TROUGH	EACH	5									4	1									

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
X0326969	DEEP WELL MONITORING	EACH	2		2										
X0327139	AGGREGATE COLUMN GROUND IMPROVEMENT	L SUM	1			1									
X0327321	INTERSTATE WEEKEND CLOSURE, SPECIAL	EACH	4		4										
X0900002	DRIVING LARGE DIAMETER PIPE PILES	FOOT	2254		2254										
X0900004	PILE SHOES LARGE DIAMETER PIPE	EACH	16		16										
X1200011	STORM SEWERS, TYPE 2, DUCTILE IRON PIPE 8"	FOOT	73		73										
* X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	43												43
* X1400113	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	7		7										
X1700042	CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	FOOT	560		560										
X2010510	CLEARING AND GRUBBING	L SUM	1		1										
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	501	501											
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	1557		1557										
* X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1					1							
* X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1						1						


\* SPECIALTY ITEM

	USER NAME :	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT SCALE :	DRAWN - AEC	REVISED -					199	1BR-1-1	ST. CLAIR	315	16
	PLDT DATE : 03/22/2018	CHECKED - JMH	REVISED -					CONTRACT NO. 76G39				
	DATE - 03/2018	REVISOR -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: N.T.S.			SHEET NO. 12 OF 16 SHEETS		STA. 43+36.85 TO STA. 96+34.23			




CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN
* X5060603	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1								1			
X5210150	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 400K	EACH	6		6									
X5210170	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 500K	EACH	6		6									
X5210380	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 900K	EACH	6		6									
X5210390	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 1000K	EACH	18		18									
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	21		21									
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	223.8		223.8									
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	98624								71781	26843		
X6020502	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 22 FRAME AND GRATE (SPECIAL)	EACH	2		2									
X6022700	MANHOLES, SPECIAL WITH TYPE 3 FRAME AND GRATE	EACH	1		1									
X6026055	SANITARY MANHOLE, SPECIAL	EACH	1		1									
* X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	125		125									
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	1		1									
X6430210	REMOVE AND REINSTALL IMPACT ATTENUATORS	EACH	2		2									

\* SPECIALTY ITEM

	USER NAME =	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - AEC	REVISED -					799	IBR-1-1	ST. CLAIR	315	17
	PLOT DATE = 03/22/2018	CHECKED - JMH	REVISED -		SCALE: N.T.S.	SHEET NO. 13 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76G39		
	DATE - 03/2018	REVISED -										


CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE						
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE						
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021					
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN										
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	1		1															
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	13		13															
X7010206	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	EACH	4		4															
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	4		4															
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1															
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	2		2															
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1612		1612															
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	25289	17616	7673															
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3929	3929																
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1171	929	242															
X8420111	REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	14																	14
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1						1											
* Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1							1										
* Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1								1									

\* SPECIALTY ITEM

	USER NAME =	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	PLOT SCALE =	DRAWN - AEC	REVISED -					799	18R-1-1	ST. CLAIR	315	18				
	PLOT DATE = 03/22/2019	CHECKED - JMH	REVISED -					SCALE: N.T.S.			SHEET NO. 14 OF 16 SHEETS		STA. 43+36.85 TO STA. 96+34.23		CONTRACT NO. 76G39	
		DATE - 03/2018	REVISED -					ILLINOIS FED. AID PROJECT								


CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013
URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN				
Z0012140	BRIDGE DECK SCARIFICATION 2"	SQ YD	540.5								540.5			
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	540.5								540.5			
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	950				950							
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	70				70							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1									
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	15		15									
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	3		3									
Z0018800	DRAINAGE SYSTEM	L SUM	1		1									
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	628				330	298						
Z0034105	MATERIAL TRANSFER DEVICE	TON	2412	2412										
Z0034396	MODULAR EXPANSION JOINT 12"	FOOT	52		52									
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	89		89									
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1									
Z0060200	SANITARY SEWER, TYPE 2 24"	FOOT	7		7									

\* SPECIALTY ITEM

	USER NAME :	DESIGNED - ACK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT SCALE :	DRAWN - AEC	REVISED -					799	IBR-1-1	ST. CLAIR	315	19
	PLDT DATE : 03/22/2018	CHECKED - JMH	REVISED -		SCALE: N.T.S.	SHEET NO. 15 OF 16 SHEETS	STA. 43+36.85 TO STA. 96+34.23	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76G39		
	DATE : 03/2018	REVISOR -										

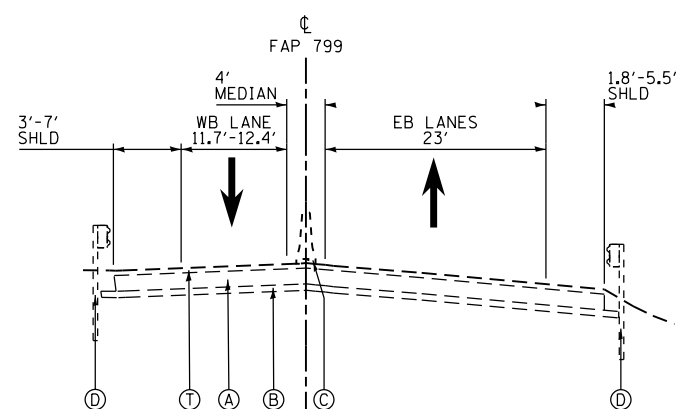
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE											
				80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	
				RESURF	BRIDGE	RETAINING WALL	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0005	0010	0044	0047	0047	0047	0047	0047	0047	0047	0013	0021
				URBAN	S.N. 082-0374	S.N. 082-W315	S.N. 082-0013	S.N. 082-0014	S.N. 082-0023	S.N. 082-6006	S.N. 082-0287	S.N. 082-0288	S.N. 082-0135	URBAN	
Ø Z0076600	TRAINEES	HOUR	3000	3000											
Ø Z0076804	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	3000	3000											
* X1400338	UNDERGROUND CONDUIT, STAINLESS STEEL, 2" DIA.	FOOT	350		350										
* X1400339	LUMINAIRE, LED, UNDERPASS, LOW WATTAGE	EACH	14												14
X1700068	MODULAR EXPANSION JOINT 16"	FOOT	52		52										
X0900068	FURNISHING METAL LARGE DIAMETER PIPE PILES 48" X 3/4"	FOOT	2254		2254										
X0900069	LATERAL REDEVELOPMENT	EACH	2		2										

\* SPECIALTY ITEM Ø 0042

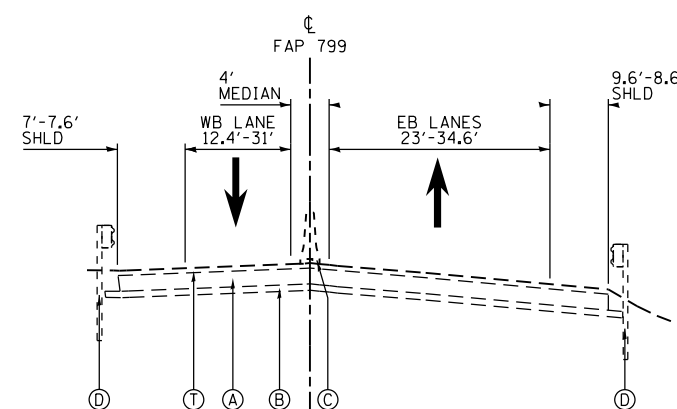
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	PLDT SCALE =	DRAWN - AEC	REVISED -					799	1BR-1-1	ST. CLAIR	315	20				
	PLDT DATE = 03/22/2018	CHECKED - JWH	REVISED -					SCALE: N.T.S.			SHEET NO. 16 OF 16 SHEETS		STA. 43+36.85 TO STA. 96+34.23		CONTRACT NO. 76G39	
		DATE - 03/2018	REVISED -					ILLINOIS FED. AID PROJECT								

**EXISTING**

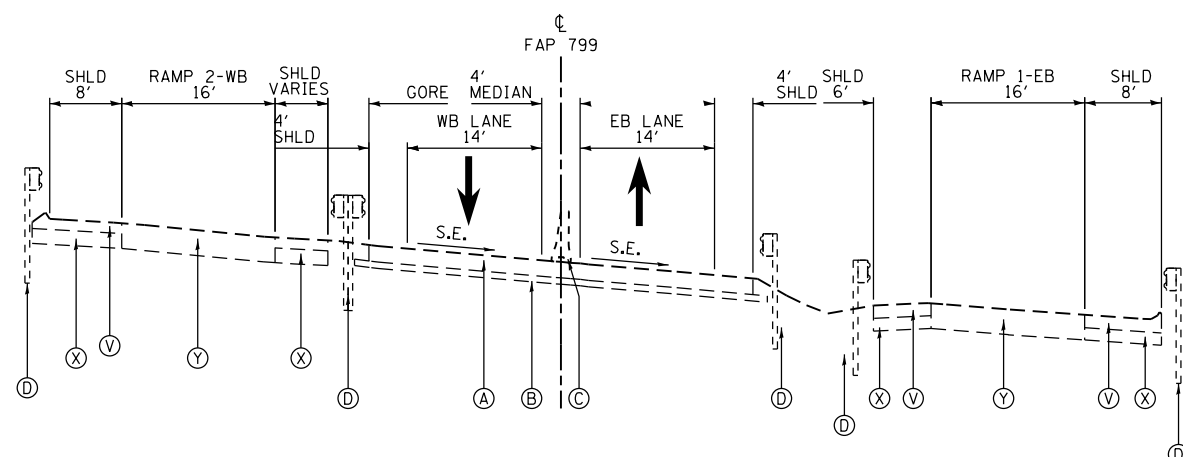
- (A) PCC PAVEMENT, 10"
- (B) STABILIZED SUBBASE, 4"
- (C) CONCRETE BARRIER
- (D) GUARDRAIL
- (E) AGGREGATE SHOULDERS, TYPE B
- (G) BITUMINOUS CONCRETE CURB
- (N) SUB-SURFACE DRAIN
- (O) BITUMINOUS BASE COURSE, 10"
- (T) BITUMINOUS OVERLAY 3.25" MIN
- (U) SUBBASE GRANULAR MATERIAL, 6"
- (V) BITUMINOUS SHOULDER
- (W) CURB AND GUTTER/CONCRETE GUTTER
- (X) SUB-BASE GRANULAR MATERIAL, TYPE C
- (Y) BITUMINOUS PAVEMENT, 15.75"



**1** **EXISTING TYPICAL SECTION**  
**FAS 799 (MLK BRIDGE APPROACH)**  
 STA. 43+36.85 RT - STA. 44+76.87 RT  
 STA. 44+12 LT - STA. 45+75.41 LT



**2** **EXISTING TYPICAL SECTION**  
**FAS 799 (MLK BRIDGE APPROACH)**  
 STA. 45+75.41 - STA. 57+21.90



**3** **EXISTING TYPICAL SECTION**  
**FAS 799 (MLK BRIDGE APPROACH)**  
 STA. 57+21.90 - STA. 60+54.70

**EFK Moen, LLC**  
 Civil Engineering Design

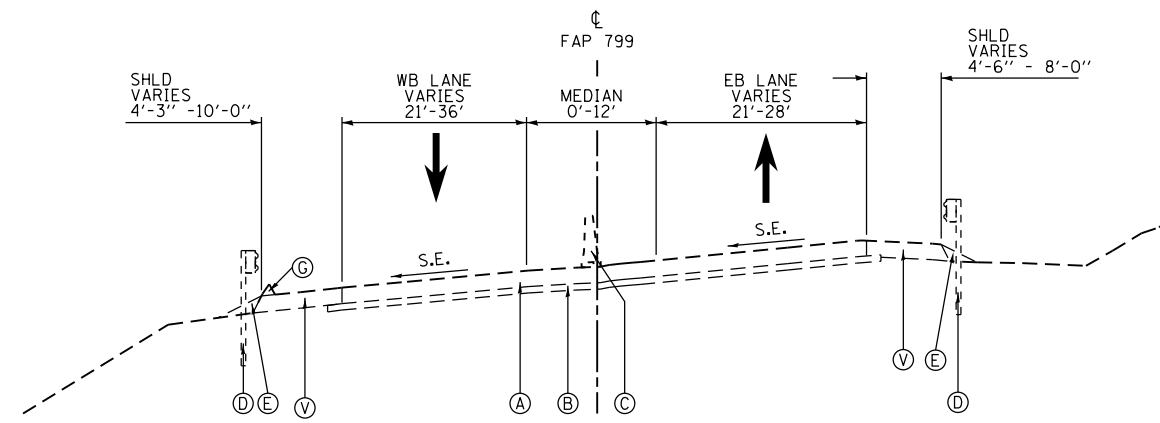
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		DRAWN - JRD	REVISED -
	PLOT SCALE = 20.000000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

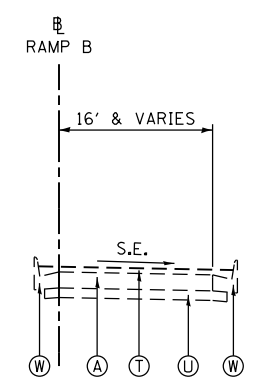
**EXISTING TYPICAL SECTIONS**

SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.

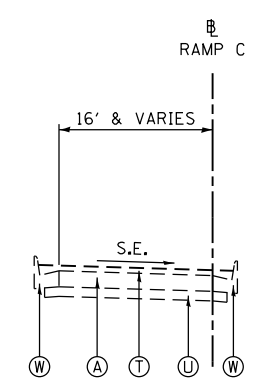
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	21
CONTRACT NO. 76G39			ILLINOIS FED. AID PROJECT	



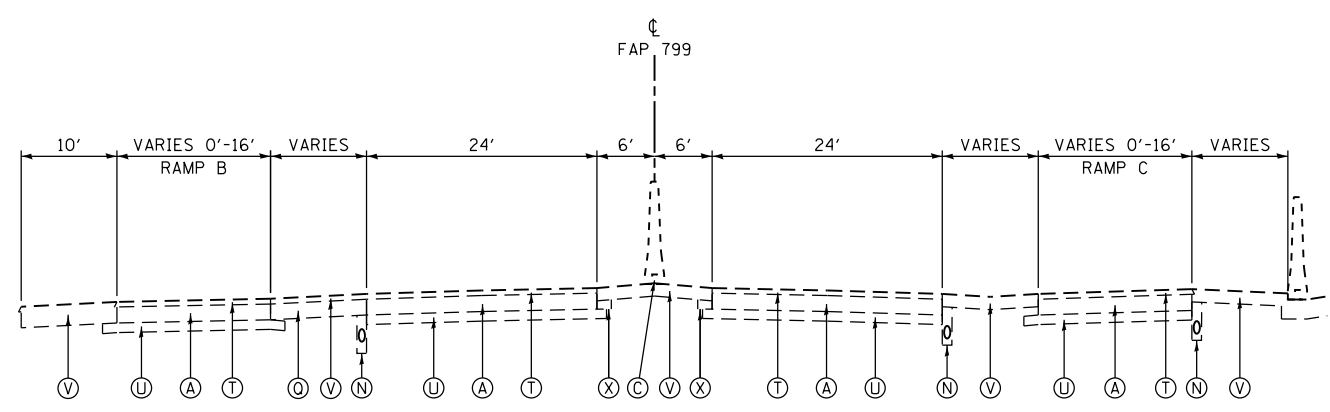
**4** **EXISTING TYPICAL SECTION**  
**FAS 799 (MLK BRIDGE APPROACH)**  
 STA. 73+28 - STA. 77+40



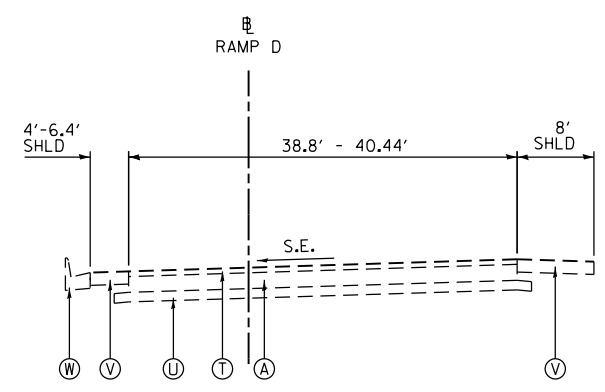
**6** **EXISTING TYPICAL SECTION**  
**RAMP B**  
 STA. 8+21 - STA. 16+37



**7** **EXISTING TYPICAL SECTION**  
**RAMP C**  
 STA. 14+73 - STA. 22+30



**5** **PROPOSED TYPICAL SECTION**  
**FAS 799 (MLK BRIDGE APPROACH)**  
 MLK BRIDGE APPROACH EASTBOUND (LOOKING EAST)  
 STA. 78+21.58 - STA. 96+34.32  
 MLK BRIDGE APPROACH WESTBOUND (LOOKING EAST)  
 STA. 78+21.58 - STA. 93+80.76  
 RAMP B (LOOKING EAST)  
 STA. 8+21.00 - STA. 10+36.77  
 RAMP C (LOOKING EAST)  
 STA. 14+73.00 - STA. 18+64.33



**8** **EXISTING TYPICAL SECTION**  
**RAMP D**  
 STA. 11+83.02 - STA. 16+51.40  
 STA. 17+34.36 - STA. 18+27.09

- EXISTING**
- (A) PCC PAVEMENT, 10"
  - (B) STABILIZED SUBBASE, 4"
  - (C) CONCRETE BARRIER
  - (D) GUARDRAIL
  - (E) AGGREGATE SHOULDERS, TYPE B
  - (G) BITUMINOUS CONCRETE CURB
  - (N) SUB-SURFACE DRAIN
  - (Q) BITUMINOUS BASE COURSE, 10"
  - (T) BITUMINOUS OVERLAY 3.25" MIN
  - (U) SUBBASE GRANULAR MATERIAL, 6"
  - (V) BITUMINOUS SHOULDER
  - (W) CURB AND GUTTER/CONCRETE GUTTER
  - (X) SUB-BASE GRANULAR MATERIAL, TYPE C

FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
001-006-D876039-shd-Typicals.dgn		DRAWN - SJF	REVISED -
	PLOT SCALE = 20.000000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

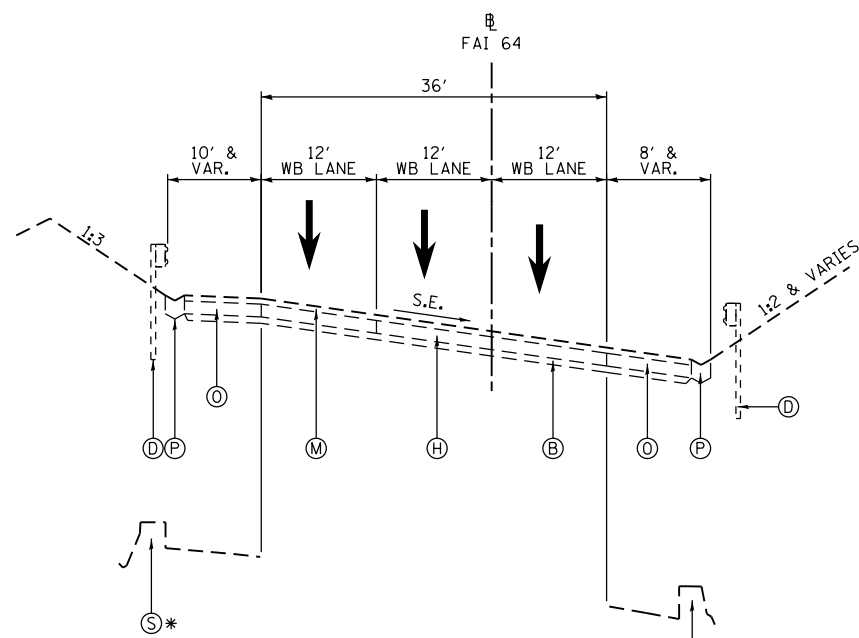
<b>EXISTING TYPICAL SECTIONS</b>	
SCALE: N.T.S.	SHEET 2 OF 6 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	22
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
 Civil Engineering Design

**EXISTING**

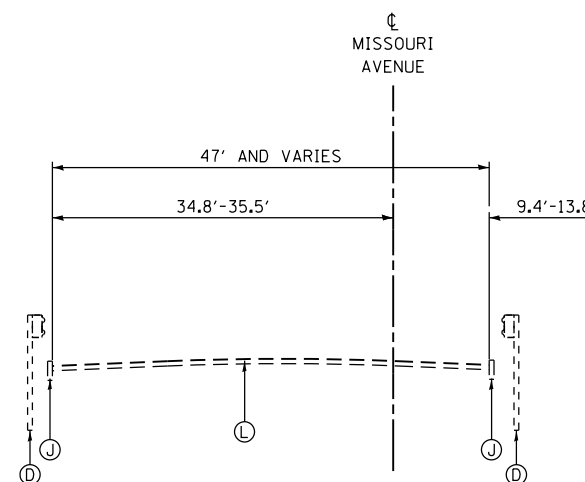
- ⓑ STABILIZED SUBBASE, 4"
- ⓓ GUARDRAIL
- ⓗ PCC PAVEMENT, 8"
- Ⓛ CURB AND GUTTER, TYPE B-6.24
- Ⓜ STONE CURB
- Ⓚ PCC SIDEWALK, 5"
- Ⓛ BRICK PAVEMENT
- Ⓜ HOT-MIX ASPHALT SURFACE COURSE
- ⓐ STABILIZED SHOULDER (BITUMINOUS AGGREGATE MIXTURE)
- Ⓟ CONCRETE GUTTER, TYPE B
- Ⓡ RETAINING WALL
- Ⓢ MISSOURI AVENUE BRIDGE PIER



**9** EXISTING TYPICAL SECTION

**I-55SB /64WB**

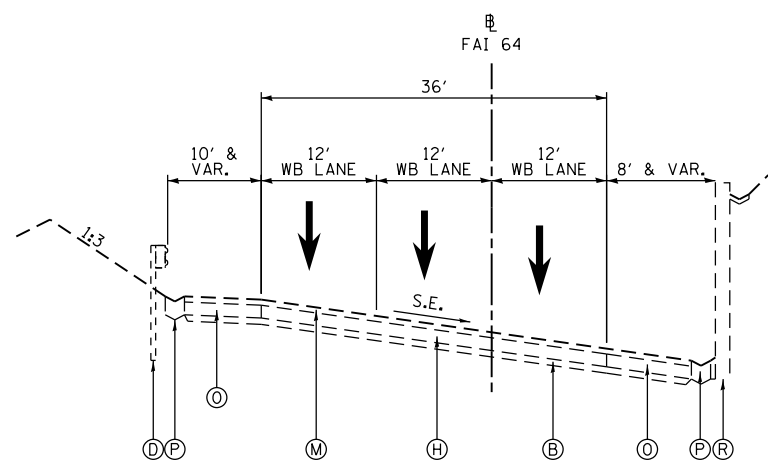
WESTBOUND (LOOKING EAST)  
 • STA. 121+95.11 - STA. 122+54.14 LT.  
 • STA. 122+04.24 - STA. 122+64.82 RT.  
 STA. 121+95 - STA. 124+73  
 STA. 127+03 - STA. 128+20



**11** EXISTING TYPICAL SECTION

**MISSOURI AVENUE**

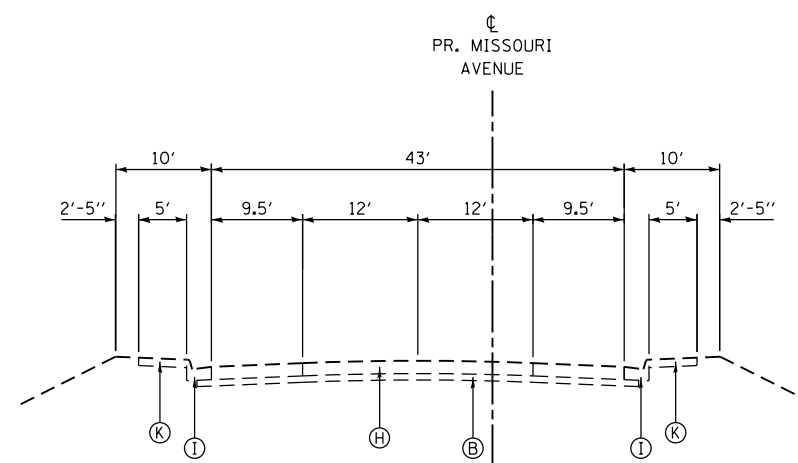
STA. 10+40 - STA. 13+47



**10** EXISTING TYPICAL SECTION

**I-55SB /64WB**

WESTBOUND (LOOKING EAST)  
 STA. 124+73 - STA. 127+03



**12** EXISTING TYPICAL SECTION

**MISSOURI AVENUE**

STA. 13+47 - STA. 14+22.42

**EFK • Moen, LLC**  
 Civil Engineering Design

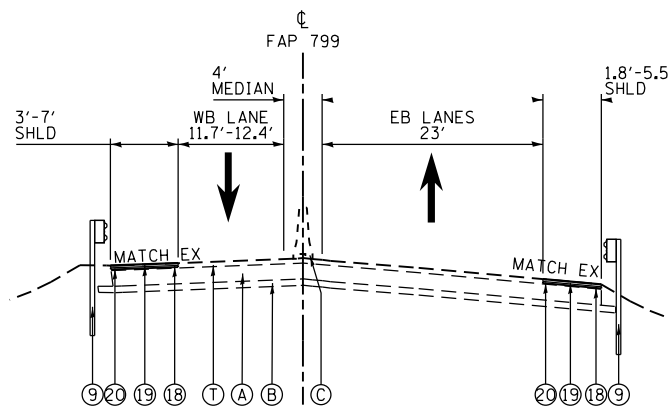
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001-006-D876039-shr-Typicals.dgn		DRAWN - SJF	REVISED -
	PLOT SCALE = 20.000000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

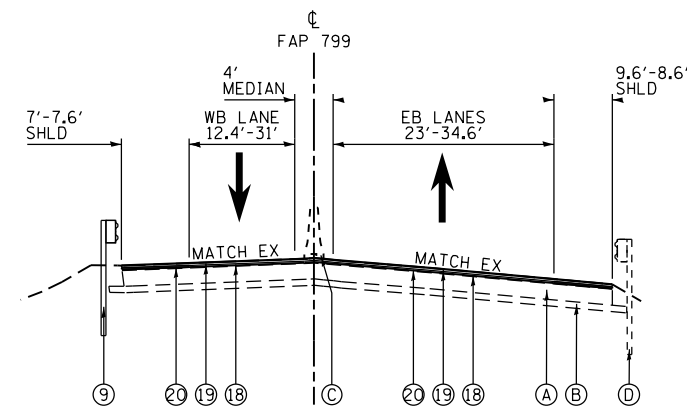
EXISTING TYPICAL SECTIONS

SCALE: N.T.S. SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	23
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				



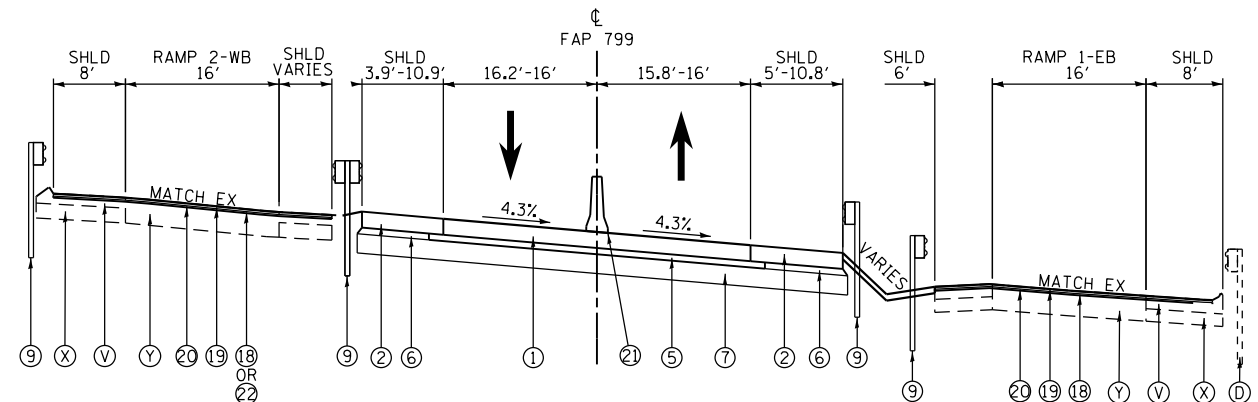
**13 PROPOSED TYPICAL SECTION  
FAS 799 (MLK BRIDGE APPROACH)**  
STA. 43+36.85 RT - STA. 44+76.87 RT  
STA. 44+12 LT - STA. 45+75.41 LT



**14 PROPOSED TYPICAL SECTION  
FAS 799 (MLK BRIDGE APPROACH)**  
STA. 45+75.41 - STA. 57+21.90  
LEFT GUARDRAIL ENDS STA. 50+13.55

- EXISTING**
- (A) PCC PAVEMENT, 10"
  - (B) STABILIZED SUBBASE, 4"
  - (C) CONCRETE BARRIER
  - (D) GUARDRAIL
  - (N) SUB-SURFACE DRAIN
  - (O) BITUMINOUS BASE COURSE, 10"
  - (T) BITUMINOUS OVERLAY, 3.25" MIN.
  - (U) SUBBASE GRANULAR MATERIAL, 6"
  - (V) BITUMINOUS SHOULDER
  - (W) CURB AND GUTTER/CONCRETE GUTTER
  - (X) SUB-BASE GRANULAR MATERIAL, TYPE C
  - (Y) BITUMINOUS PAVEMENT, 15.75"

- PROPOSED**
- (1) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
  - (2) PORTLAND CEMENT CONCRETE SHOULDER 10"
  - (5) SUBBASE GRANULAR MATERIAL, TYPE A 4"
  - (6) SUBBASE GRANULAR MATERIAL, TYPE C
  - (7) AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - (8) CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT OR TRAFFIC BARRIER TERMINAL
  - (9) STEEL PLATE BEAM GUARDRAIL, VARIES (SEE PLANS)
  - (10) HOT-MIX ASPHALT SHOULDER CURB
  - (18) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
  - (19) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
  - (20) LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 1"
  - (21) RESET EXISTING CONCRETE BARRIER
  - (22) HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"



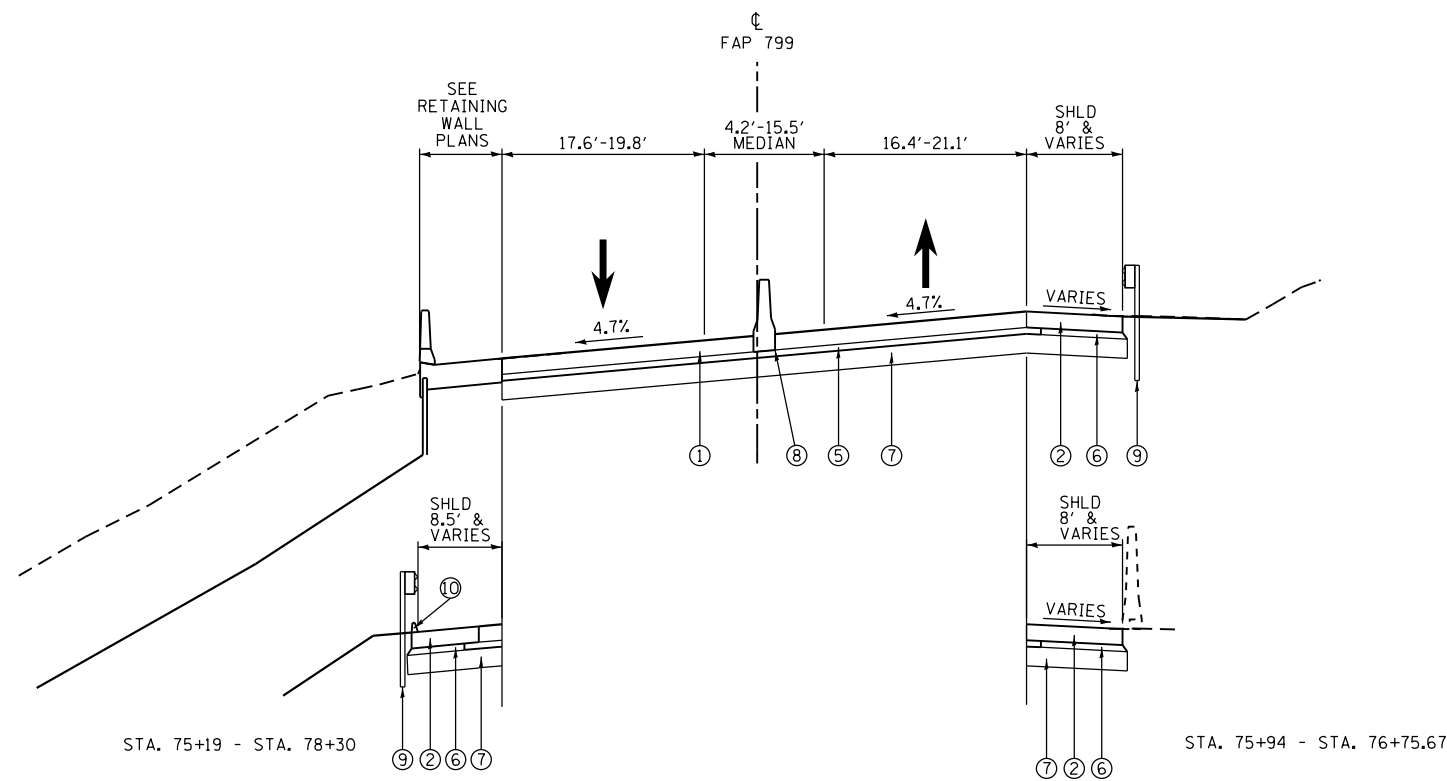
**15 PROPOSED TYPICAL SECTION  
FAS 799 (MLK BRIDGE APPROACH)**  
STA. 57+21.90 - STA. 60+54.70  
RAMPS ONLY STA. 57+21.90 - STA. 58+55.00  
RIGHT SHOULDER ONLY FAP 799 STA. 58+55.00 - STA. 59+50.00  
PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB FROM STA. 60+39.70 - STA. 60+54.70  
SEE REMOVAL PLANS FOR SURFACE REMOVAL LIMITS (18) AND (22)

NOTE: SEE STANDARD 420401 FOR ADDITIONAL DETAILS OF PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 001-006-D876039-shr-Typicals.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 24
	PLOT SCALE = 20.000000' / in.	CHECKED - SLD	REVISED -		SCALE: N.T.S.	SHEET 4 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 76C39				
*MODELNAME*	PLOT DATE = 3/22/2018	DATE = 3/22/2018	REVISED -	ILLINOIS FED. AID PROJECT								

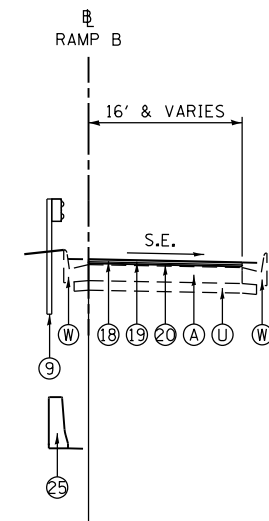




**16** PROPOSED TYPICAL SECTION  
**FAS 799 (MLK BRIDGE APPROACH)**  
 STA. 73+99.29 - STA. 78+43.02

PAVEMENT CONNECTOR FOR BRIDGE APPROACH SLAB  
 FROM STA. 73+99.29 - STA. 74+14.29  
 BEGIN (8) FULL DEPTH BARRIER AT STA. 74+14.29

STA. 9+83.83 - STA. 11+74.70



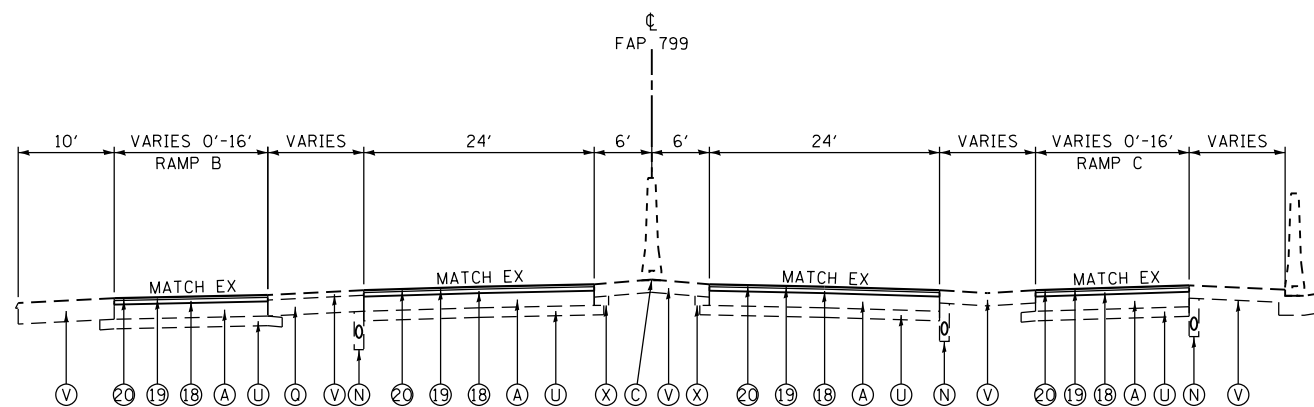
**18** PROPOSED TYPICAL SECTION  
**RAMP B**  
 STA. 8+21 - STA. 16+37

**EXISTING**

- (A) PCC PAVEMENT, 10"
- (C) CONCRETE BARRIER
- (N) SUB-SURFACE DRAIN
- (O) BITUMINOUS BASE COURSE, 10"
- (U) SUBBASE GRANULAR MATERIAL, 6"
- (V) BITUMINOUS SHOULDER
- (W) CURB AND GUTTER/CONCRETE GUTTER
- (X) SUB-BASE GRANULAR MATERIAL, TYPE C

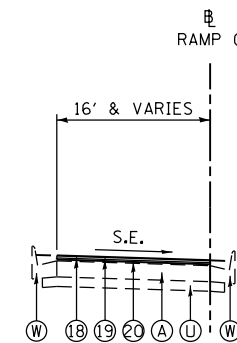
**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)
- (2) PORTLAND CEMENT CONCRETE SHOULDER 10"
- (5) SUBBASE GRANULAR MATERIAL, TYPE A 4"
- (6) SUBBASE GRANULAR MATERIAL, TYPE C
- (7) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (8) CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT
- (9) STEEL PLATE BEAM GUARDRAIL, VARIES (SEE PLANS) OR TRAFFIC BARRIER TERMINAL
- (10) HOT-MIX ASPHALT SHOULDER CURB
- (18) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- (19) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
- (20) LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 1"
- (25) CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)



**17** PROPOSED TYPICAL SECTION  
**FAS 799 (MLK BRIDGE APPROACH)**

MLK BRIDGE APPROACH EASTBOUND (LOOKING EAST)  
 STA. 78+21.58 - STA. 96+34.32  
 MLK BRIDGE APPROACH WESTBOUND (LOOKING EAST)  
 STA. 78+21.58 - STA. 93+80.76  
 RAMP B (LOOKING EAST)  
 STA. 8+21.00 - STA. 10+36.77  
 RAMP C (LOOKING EAST)  
 STA. 14+73.00 - STA. 18+64.33



**19** PROPOSED TYPICAL SECTION  
**RAMP C**  
 STA. 14+73.00 - STA. 22+30

NOTE: SEE STANDARD 420401 FOR ADDITIONAL DETAILS OF PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

FILE NAME = 001-006-D876039-shr-Typicals.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - SJF	REVISED -
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	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	25
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

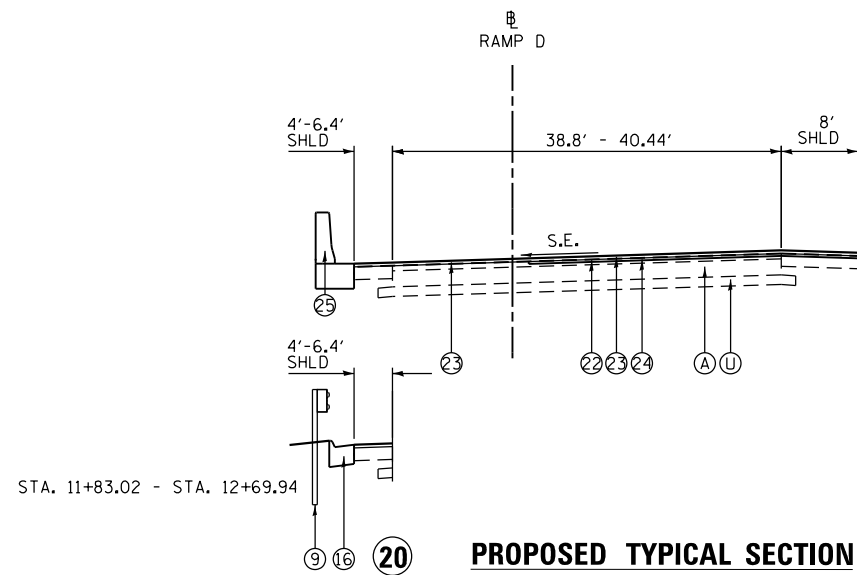
**EFK Moen, LLC**  
 Civil Engineering Design

**EXISTING**

- (A) PCC PAVEMENT, 10"
- (B) STABILIZED SUBBASE, 4"
- (H) PCC PAVEMENT, 8"
- (M) HOT-MIX ASPHALT SURFACE COURSE
- (O) STABILIZED SHOULDER
- (P) CONCRETE GUTTER, TYPE B
- (S) MISSOURI AVENUE BRIDGE PIER AND CRASHWALL
- (U) SUBBASE GRANULAR MATERIAL, 6"

**PROPOSED**

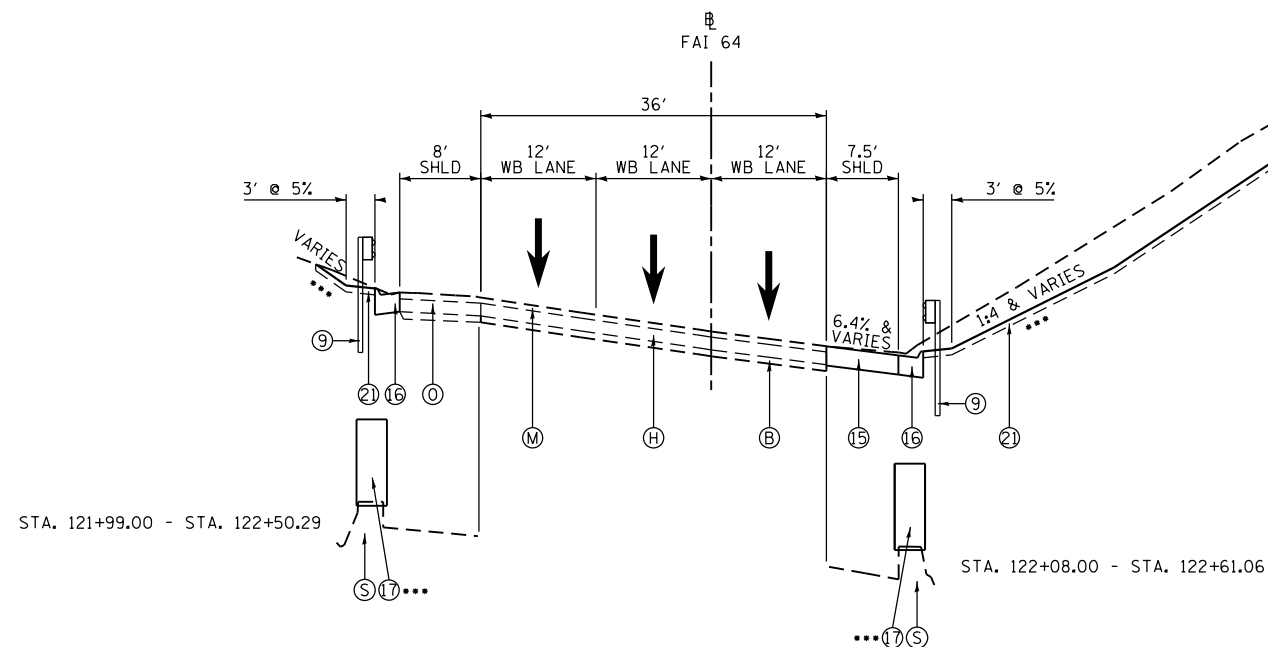
- (5) SUBBASE GRANULAR MATERIAL, TYPE A 4"
- (9) STEEL PLATE BEAM GUARDRAIL, VARIES (SEE PLANS) OR TRAFFIC BARRIER TERMINAL
- (11) PORTLAND CEMENT CONCRETE PAVEMENT 6 1/2"
- (14) CURB AND GUTTER, TYPE B-6.24
- (15) HOT MIX ASPHALT SHOULDERS, 12"
- (16) CURB AND GUTTER, TYPE M-4.24
- (17) MISSOURI AVENUE BRIDGE CRASH WALL
- (21) TOPSOIL FURNISH AND PLACE, 4"
- (22) HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
- (23) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2.0"
- (24) LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 1.5"
- (25) CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)



**PROPOSED TYPICAL SECTION  
RAMP D**

STA. 11+83.02 - STA. 16+51.40  
STA. 17+34.36 - STA. 18+27.09

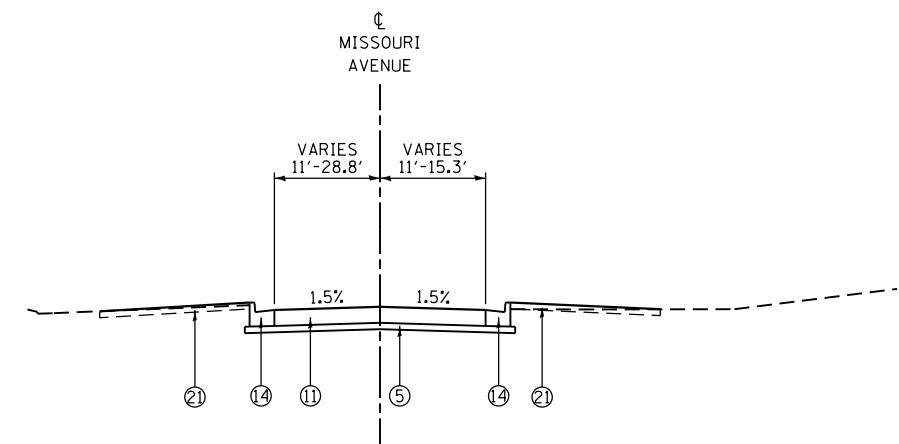
LEFT CURB AND GUTTER REMOVAL AND BARRIER/GUARDRAIL ONLY  
STA. 11+83.02 - STA. 15+81.46  
SEE REMOVAL PLANS FOR SURFACE REMOVAL LIMITS (22)  
SEE PLAN SHEETS FOR LEVELING BINDER LIMITS (24)  
SEE BRIDGE PLANS STA. 16+51.40 - STA. 17+34.36



**PROPOSED TYPICAL SECTION  
I-55SB /64WB**

WESTBOUND (LOOKING EAST)  
STA. 121+99.00 - STA. 128+15.92

... SEE BRIDGE PLANS FOR SLOPE WALLS, CRASH WALLS, AND RETAINING WALL



**PROPOSED TYPICAL SECTION  
MISSOURI AVENUE**

STA. 10+40.00 - STA. 14+22.36

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 001-006-D876039-sht-Typicals.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - SJF	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	26
			CONTRACT NO. 76C39	
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE						
			FOR INFORMATION ONLY			
LOCATION	STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)
MLK	59+00.00	60+54.70	308	230	15	215
MLK	73+99.29	78+00.00	2,029	1,520	35	1,485
I-55/64	122+54.14	128+00	7,955	5,965	10	5,955
MO AVE	10+40.00	14+22.36	353	265	105	160
TOTALS			10,645	7,980	165	7,815

CLEARING AND GRUBBING SCHEDULE			
LOCATION			CLEARING AND GRUBBING (L SUM)
ROADWAY	STATION	STATION	
MLK	43+36.85	96+34.23	1
TOTALS			1

EROSION CONTROL SCHEDULE						
ROADWAY	STATION	OFFSET	STATION	OFFSET	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FOOT)
MLK	61+36.00	88' LT			8.3	
MLK	61+47.00	45' LT			8.3	
MLK	63+56.00	39' LT			8.3	
MLK	61+64.00	43' RT			8.3	
MLK	63+78.00	37' RT			8.3	
MLK	72+69.00	50' RT			14.2	
MLK	72+78.00	54' RT			14.2	
MLK	72+87.00	58' RT			14.2	
MLK	72+96.00	61' RT			14.2	
MLK	73+04.00	65' RT			14.2	
MLK	73+13.00	69' RT			14.2	
MLK	73+70.00	38' RT			6.9	
MLK	73+80.00	38' RT			6.9	
MLK	73+89.00	42' RT			6.9	
MLK	73+97.00	46' RT			6.9	
MLK	74+06.00	49' RT			6.9	
MLK	74+15.00	52' RT			6.9	
MLK	74+25.00	58' RT			6.9	
MO AVE	10+18.00	75' RT			8.3	
MO AVE	10+79.00	53' RT			8.3	
MO AVE	11+38.00	31' RT			8.3	
MO AVE	11+63.00	26' RT			8.3	
MO AVE	12+34.00	20' RT			8.3	
MO AVE	11+59.00	33' LT			8.3	
MO AVE	12+45.00	56' LT			8.3	
MO AVE	12+86.00	27' LT			8.3	
MLK	61+44.00	40' LT	61+60.00	40' RT		113
MLK	61+49.00	40' LT	61+67.00	40' RT		163
MLK	63+53.00	32' LT	63+75.00	40' RT		156
MLK	63+61.00	32' LT	63+82.00	39' RT		265
MLK	68+43.00	43' LT	72+20.00	42' LT		316
MLK	70+06.00	33' RT	71+02.00	32' RT		96
MLK	75+98.00	135' LT	78+31.00	58' LT		296
MLK	73+09.00	86' RT	75+94.00	43' RT		337
MO AVE	10+40.00	14' LT	10+76.00	39' LT		47
MO AVE	10+97.00	39' LT	12+08.00	53' LT		129
MO AVE	13+90.00	63' LT	14+24.00	38' LT		55
MO AVE	10+40.00	14' RT	13+79.00	37' LT		599
MO AVE	14+10.00	42' RT	14+40.00	24' RT		39
I-55/64	122+68.00	28' RT	128+25.00	25' RT		551
I-55/64	122+68.00	28' RT	124+45.00	120' RT		235
I-55/64	122+48.00	70' LT	126+07.00	33' LT		450
TOTALS					242	3,846

EROSION CONTROL SCHEDULE							INLET & PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	STONE RIPRAP CLASS A5 (SQ YD)	FILTER FABRIC (SQ YD)
ROADWAY	STATION	OFFSET	STATION	OFFSET						
MLK	61+26.00	152' LT				1				
MLK	63+31.00	125' LT				1				
MLK	73+60.00	37' RT				1				
MO AVE	11+49.00	31' LT				1				
MO AVE	13+00.00	21' LT				1				
MO AVE	11+49.00	27' RT				1				
MO AVE	13+68.00	26' RT				1				
I-55/64	123+55.00	28' RT				1				
I-55/64	123+55.00	40' LT				1				
I-55/64	124+07.00	30' RT				1				
I-55/64	124+28.00	60' RT				1				
I-55/64	125+14.00	38' RT				1				
MO AVE	11+50.00	14' LT					1			
MO AVE	11+59.00	12' LT					1			
MO AVE	13+00.00	12' LT					1			
MO AVE	11+49.00	12' RT					1			
MO AVE	11+59.00	12' RT					1			
MO AVE	13+00.00	12' RT					1			
MO AVE	13+78.00	17' RT					1			
I-55/64	123+99.00	32' LT					1			
I-55/64	124+85.00	33' LT					1			
I-55/64	122+68.00	24' RT					1			
I-55/64	123+55.00	21' RT					1			
I-55/64	123+85.00	21' RT					1			
I-55/64	123+96.00	21' RT					1			
I-55/64	124+07.00	21' RT					1			
I-55/64	124+16.00	21' RT					1			
I-55/64	124+25.00	21' RT					1			
I-55/64	124+49.00	16' RT					1			
I-55/64	125+14.00	21' RT					1			
I-55/64	127+10.00	21' RT					1			
I-55/64	127+10.00	14' RT					1			
I-55/64	127+30.00	21' RT					1			
MLK	75+72.00	37' LT					1			
MLK	76+18.00	41' LT					1			
MLK	76+74.00	42' LT					1			
MLK	76+11.00	6' RT					1			
MLK	76+25.00	6' RT					1			
RAMP D	11+71.00	20' LT					1			
I-55/64	122+67.43	RT	125+24.84	RT				1,452	1,452	
I-55/64	124+26.45	LT	125+11.14	LT				48	48	
MLK	73+60.00	RT	74+30.00	RT				279	279	
TOTALS							12	27	1,779	1,779

**EFK•Moen, LLC**  
Civil Engineering Design

FILE NAME = 007-014-DB76039-shr-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	27
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

SEEDING SCHEDULE				SEEDING CL 3A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	TOPSOIL FURNISH & PLACE 4" (SQ YD)	MULCH METHOD 3A (ACRE)	TEMP EROS CONTROL SEEDING (POUND)	AGRICULTURAL GROUND LIMESTONE (TON)
LOCATION		STATION	SIDE								
ROADWAY	STATION	STATION	SIDE								
MLK	75+18	78+32.00	LT	0.10	9.0	9.0	9.0	328	0.10	20	0.20
MLK	74+32	75+94.00	RT	0.05	4.5	4.5	4.5	46	0.05	10	0.10
I-55/64	125+09	126+00.00	LT	0.05	4.5	4.5	4.5	55	0.05	10	0.10
I-55/64	126+60	128+20.00	RT	0.20	18.0	18.0	18.0	1,104	0.20	40	0.40
MO AVE	10+40	14+22.36	LT	0.30	27.0	27.0	27.0	1,162	0.30	60	0.60
MO AVE	10+40	14+22.36	RT	0.30	27.0	27.0	27.0	992	0.30	60	0.60
TOTALS				1	90	90	90	3,687	1	200	2.0

SUBBASE SCHEDULE				AGGREGATE SUBGRADE IMPROVMENT 12" (SQ YD)	SUBBASE GRAN MATL TYPE A 4" (SQ YD)	SUBBASE GRAN MATL TYPE C (TON)
LOCATION		STATION	SIDE			
ROADWAY	STATION	STATION	SIDE			
MLK	58+55.00	60+45.20	BOTH	583		
MLK	59+50.00	60+51.70	BOTH		419	
MLK	74+02.29	78+28.04	BOTH	2,886	2,467	
MO AVE	10+40.00	14+22.61	BOTH		1,640	
MLK	58+55.00	60+39.70	RT			31
MLK	74+14.29	76+66.18	RT			45
MLK	59+50.00	60+39.70	LT			14
MLK	75+19.28	75+65.12	LT			8
MLK	75+76.09	76+69.79	LT			16
MLK	76+80.94	78+28.04	LT			49
TOTALS				3,469	4,526	163

LUMP SUM SCHEDULES				MOBILIZATION (L SUM)	NIGHTTIME WORK ZONE LIGHTING (L SUM)	TRAFFIC CONTROL & PROTECTION (SPECIAL) (L SUM)	CONSTRUCTION LAYOUT (L SUM)	RAILROAD PROTECTIVE LIABILITY INSURANCE (L SUM)
LOCATION		STATION	NOTES					
ROADWAY	STATION	STATION	NOTES					
MLK	43+36.85	96+34.23		1				
MLK	43+36.86	96+35.23			1			
IL ROUTE 3			FULL WEEKEND CLOSURE			1		
MLK	43+36.85	96+34.23					1	
MLK	43+36.85	96+34.23						1
TOTALS				1	1	1	1	1

PAVEMENT AND SHOULDER SCHEDULE											
LOCATION				PCC PAVEMENT 6 1/2" (SQ YD)	PCC PAVEMENT 10" (JOINTED) (SQ YD)	WELDED WIRE REINF (SQ YD)	PAVEMENT CONNECTOR (PCC) BR APP SLAB (SQ YD)	PCC SHOULDER 10" (SQ YD)	HMA SHOULDER 12" (SQ YD)	SHOULDER RUMBLE STRIPS 16" (FOOT)	CONCRETE MEDIAN SURFACE 4" (SQ FT)
ROADWAY	STATION	STATION	SIDE								
MO AVE	10+40.00	14+22.55	BOTH	1,324		1,324					
MLK	59+50.00	60+39.70	BOTH		318	318					
MLK	74+14.29	77+43.29	RT		893	893					
MLK	74+14.29	78+09.87	LT		1,337	1,337					
MLK	60+39.70	60+54.70	BOTH				90				
MLK	73+99.29	74+14.29	BOTH				80				
MLK	58+55.00	60+39.70	RT					140			
MLK	74+14.29	76+89.16	RT					252			
MLK	59+50.00	60+39.70	LT					76			
MLK	75+19.28	75+65.12	LT					40			
MLK	75+76.09	76+69.79	LT					80			
MLK	76+80.94	78+27.81	LT					142			
I-55/64	122+61.10	128+00.00	RT						446		
I-55/64	122+61.10	128+00.00	RT							536	
MLK	59+50.00	60+66.71	LT								454
MLK	58+44.91	60+65.25	RT								2,010
MLK	122+50.15	122+94.25	LT								188
TOTALS				1,324	2,548	3,872	170	730	446	536	2,652

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HOT-MIX ASPHALT OVERLAY SCHEDULE

LOCATION				MATL TRANS DEVICE (TON)	LEVELING BINDER MM-IL-9.5FG N70 (TON)	POLY HMA SURF COURSE MIX "D" N70 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)
ROADWAY	STATION	STATION	SIDE				
MLK	43+37.81	44+76.87	EB	5	4	5	44
MLK	44+12	58+00.00	WB/EB	627	418	627	5,036
MLK	78+28.05	85+53.88	WB	271	198	271	2,174
MLK	77+63.97	85+89.70	EB	350	248	350	2,813
MLK	85+86.06	93+80.56	WB	334	223	334	2,684
MLK	86+14.74	96+34.23	EB	311	208	311	2,498
RAMP B	8+21.00	180+47.90		168	112	168	1,361
RAMP C	14+73.00	22+30.00		148	98	148	1,187
RAMP 2	58+00.00	60+51.04	WB	66	44	66	531
RAMP 2	60+51.04	60+77.02	WB	7		7	54
RAMP 1	58+00.01	60+47.97	EB	68	45	68	543
RAMP D	16+21.45	16+51.40	LT		1		3
RAMP D	16+21.46	16+70.68		21		21	82
RAMP D	17+24.07	17+87.54		36		36	146.0
TOTALS				2,412	1,599	2,412	19,156

• SEE GENERAL NOTES FOR BITUMINOUS MATERIALS (TACK COAT) APPLICATIONS

CURB AND GUTTER & OUTLET SCHEDULE

LOCATION				C & G TYPE B-6.24 (FOOT)	C & G TYPE M-4.24 (FOOT)	CLASS SI CONC OUTLET (CU YD)	CONCRETE SHOULDER CURB (FOOT)
ROADWAY	STATION	STATION	SIDE				
MO AVE	10+40.00	10+74.56	LT	50			
MO AVE	11+00.56	13+57.75	LT	300.50			
MO AVE	13+81.72	14+23.66	LT	55.50			
MO AVE	10+40.00	13+80.85	RT	359.00			
MO AVE	14+07.83	14+22.30	RT	30.50			
I-55/64	122+81.00	128+00.00	RT		514		
I-55/64	123+08.08	126+00.00	LT		297		
I-55/64	122+94.29	123+06.07	LT			2	
I-55/64	122+61.07	122+81.03	RT			3	
MLK	75+18.58	78+28.04	LT				298
RAMP D	11+83.04	12+69.96	LT		87		
TOTALS				796	898	5	298

REMOVALS SCHEDULE

LOCATION				PVMT REMOVAL (SQ YD)	HMA SURFACE REMOVAL 1.5 INCH (SQ YD)	HMA SURFACE REMOVAL 2.5 INCH (SQ YD)	GUTTER REMOVAL (FOOT)	COMB CURB & GUTTER REMOVAL (FOOT)	SIDEWALK REMOVAL (SQ FT)	CONCRETE BARRIER REMOVAL (FOOT)	PAVED SHOULDER REMOVAL (SQ YD)	HMA REMOVAL VARIABLE DEPTH (SQ YD)	PAVEMENT REMOVAL (SPECIAL) (SQ YD)
ROADWAY	STATION	STATION	SIDE										
MLK	58+44.84	60+79.76	RT	284									
MLK	58+55.00	60+80.05	CL	634									
MLK	59+50.00	60+66.45	LT	106									
MLK	73+28.49	78+09.59	CL	2,762									
MO AVE	13+49.57	14+22.69	CL	467									
MLK	60+51.04	60+77.02	LT		80								
MLK	78+28.26	78+92.51	LT		176								
MLK	77+64.15	78+11.07	RT		122								
RAMP D	16+21.38	16+51.40	LT		51								
MLK	43+37.81	44+76.87	RT			64							
MLK	44+12.00	58+00.00	BOTH			7,465							
MLK	58+00.00	60+53.56	LT			786							
MLK	58+00.00	60+48.31	RT			804							
MLK	78+50.78	85+89.70	RT			3,803							
MLK	79+32.32	85+53.84	LT			2,822							
MLK	85+85.61	93+80.76	LT			3,976							
MLK	86+14.46	96+34.23	RT			3,700							
RAMP B	8+21.00	16+37.00	CL			1,996							
RAMP C	14+73.00	22+30.00	CL			1,758							
I-55/64	122+94.35	126+00.00	LT				311						
I-55/64	122+68.88	127+03.07	RT				430						
I-55/64	127+03.07	128+00.00	RT					96					
MO AVE	10+43.47	13+44.29	RT					302					
MO AVE	10+66.94	13+54.85	LT					286					
MO AVE	13+68.24	13+80.82	RT					29					
MO AVE	14+05.18	14+23.66	LT					19					
MO AVE	14+07.83	14+22.30	RT					30					
RAMP D	11+83.04	16+37.23						454					
MO AVE	13+58.08	13+79.92	RT						122				
MO AVE	14+12.83	14+41.88	RT						167				
MLK	59+50.00	60+81.24	CL							131			
MLK	73+29.50	77+23.58	RT							395			
I-55/64	121+95.07	126+00.00	LT								377		
MLK	73+39.65	76+88.38	RT								270		
MLK	73+42.58	75+65.77	LT								130		
MLK	75+75.78	76+70.18	LT								88		
MLK	76+80.02	78+27.87	LT								143		
MO AVE	10+39.80	13+47.25	CL										1,557
MLK	78+06.67	78+50.78	LT									243	
MLK	78+92.32	79+32.32	RT									225	
RAMP D	17+25.92	17+85.03	LT									33	
TOTAL				4,253	429	27,174	741	1,216	289	526	1,008	501	1,557

BUTT JOINT SCHEDULE

LOCATION			HMA SUR REM BUTT JOINT (SQ YD)	TEMPORARY RAMP (SQ YD)
ROADWAY	STATION	STATION		
RAMP D	15+81.35	16+24.47	239	
RAMP D	17+85.03	18+27.09	248	
RAMP D	15+81.46	15+84.48		6
RAMP D	18+25.51	18+27.09		6
TOTALS			487	12

FILE NAME = 007-014-DB76039-sht-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 29
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

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DRAINAGE REMOVALS SCHEDULE

LOCATION					TRENCH BACKFILL	STORM SEWER REMOV 8"	STORM SEWER REMOV 10"	STORM SEWER REMOV 12"	STORM SEWER REMOV 24"	REMOVING MANHOLES (EACH)	REMOVING INLETS (EACH)
ROADWAY	STATION	OFFSET	STATION	OFFSET	(CU YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
MO AVE	11+28.32	43.35' LT	11+49.57	14.00' LT			36.2				
MO AVE	11+49.57	14.00' LT	11+74.18	41.92' LT			37.3				
MO AVE	11+49.57	14.00' LT	11+45.41	15.7' LT	7.4		30.0				
I-55/64	124+00.65	19.05' RT	124+11.51	19.13' RT	1.6			10.8			
I-55/64	124+06.04	19.09' RT	124+06.07	15.57' RT	0.7			3.5			
I-55/64	124+11.51	19.13' RT	124+48.92	15.89' RT	10.6			37.2			
I-55/64	127+04.26	23.08' RT	127+04.41	18.98' RT	1.6			4.1			
I-55/64	127+04.41	18.98' RT	127+10.37	13.95' RT	3.1			7.8			
MLK	60+58.89	29.87' LT	60+88.36	32.76' LT				30.5			
MO AVE	13+77.60	16.89' RT	13+88.93	9.06' LT	27.6			28.3			
I-55/64	124+48.92	15.89' RT	124+97.41	18.49' RT					48.2		
I-55/64	124+97.42	18.47' RT	127+10.37	13.95' RT	87.5				211.3		
MO AVE	11+49.57	14.00' LT	13+88.93	9.06' LT	340.6				238.8		
MO AVE	11+20	14.00' LT	11+49.57	14.00' LT	23.3				30.0		
MO AVE	11+20	13.1' LT	11+78.6	13.1' LT		60.0					
MO AVE	11+49.57	14.00' LT								1	
MO AVE	11+68.81	34.75' LT								1	
I-55/64	122+67.22	18.19' RT									1
I-55/64	124+00.62	19.05' RT									1
I-55/64	124+06.05	15.57' RT									1
I-55/64	124+11.49	18.47' RT									1
I-55/64	127+04.24	23.07' RT									1
I-55/64	127+04.39	18.98' RT									1
MO AVE	11+28.30	43.34' LT									1
MO AVE	11+74.18	41.92' LT									1
MO AVE	13+77.59	16.91' RT									1
TOTALS					504	60	104	123	529	2	9

STORM SEWER SCHEDULE

PLAN PIPE I.D. (D.S. to D.S.)	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	TRENCH BACKFILL (CU YD)	STORM SEW CL A 1 12" (FOOT)	STORM SEW CL A 1 18" (FOOT)	STORM SEW CL A 2 12" (FOOT)	STORM SEW CL A 2 15" (FOOT)	STORM SEW CL A 2 18" (FOOT)	STORM SEW CL A 2 24" (FOOT)	STORM SEW CL A 3 18" (FOOT)	STORM SEW T2, DIP 8" (FOOT)	SAN SEW T2 24" (FOOT)	ABANDON & FILL STORM SEW (FOOT)
I-55/64													
1A	1	1-1	1.6				82						
1-1A	1-1	2	0.4				4						
2A	2	3	5.0					26					
3A	3	EX PIPE	8.3						22				
4A	4	6	1.1		4								
5A	5	6	0.1					4					
6A	6	EX PIPE	11.1						21				
7A	7	6	1.1		4								
8A	8	EX PIPE	8.6						22				
10A	10	9	40.1						62				
11A	11	10	4.2			12							
12A	12	10	61.1						92				
13A	13	12	73.8						92				
14A	14	13	4.0						4				
15A	15	13	10.8					15					
16A	16	16-1	14.4					44					
17A	17	5							32				
18A	18	17						98					
DRAIN PIPE	PIER 4	16								28			
DRAIN PIPE	EAST ABUT	11								45			
EX 12" STORM	STA. 122+67.22	EX PIPE											21
MO AVE													
20A	20	21	0.3	12									
21A	21	22	0.8				6						
22A	22	28	54.2						136				
23A	23	22	4.8					19					
24A	24	23	1.0				5						
25A	25	24					13						
26A	26	27	0.4				6						
27A	27	28	3.9				20						
28A	28	29	63.8						72				
29A	29	30	13.4									7	
MLK													
31A	EX INLET	31	1.4	29									
TOTALS			389.7	41	8	148	89	161	479	32	73	7	21

LOCATION				FURNISHING & ERECTING ROW MARKERS (EACH)
ROADWAY	STATION	OFFSET	SIDE	(EACH)
MLK	64+70.39	130.36	LT	1
MLK	65+30.19	124.04	LT	1
MLK	65+87.60	92.23	LT	1
TOTAL				3

• THE RT OF WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RT OF WAY BOUNDARY. THE RT OF WAY MARKER SHALL BE A WITNESS TO THE RT OF WAY CORNER, WHICH IS THE PROPERTY PIN. THE RT 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 RT OF WAY MARKER AT THE TWELVE INCHES (12") OFFSET.

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PAVEMENT MARKING SCHEDULE

LOCATION				PREF PL PMT MK TYPE B 4"	PREF PL PMT MK TYPE B 6"	PREF PL PMT MK TYPE B 8"	PREF PL PMT MK TYPE B 9"	PREF PL PMT MK TYPE B 12"	GRV RCSD PVT MK 5"	GRV RCSD PVT MK 7"	GRV RCSD PVT MK 9"	GRV RCSD PVT MK 10"	GRV RCSD PVT MK 13"	NOTES
ROADWAY	STATION	STATION	SIDE	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	
MO AVE	10+40.00	15+87.30	CL	1,096					1096					YELLOW- DOUBLE CENTERLINE
MO AVE	14+09.72	15+87.73	RT	185					185					WHITE-EOP
MO AVE	15+87.73	15+88.22	RT	12					12					WHITE-EOP
MO AVE	13+31.99	15+87.30	LT	255					255					WHITE-EOP
MO AVE	13+79.55	14+04.04	LT	51					51					WHITE-EOP
MO AVE	15+87.30	15+87.30	LT	13					13					WHITE-EOP
MLK EB	43+66.85	96+34.23	CL		5,273					5,273				YELLOW- SOLID CENTERLINE
MLK WB	43+66.85	93+80.64	CL		5,008					5,008				YELLOW- SOLID CENTERLINE
RAMP C	14+73.00	22+30.00	CL		780					780				YELLOW- SOLID CENTERLINE
RAMP B	8+21.00	16+37.00	CL		794					794				YELLOW- SOLID CENTERLINE
MLK EB	43+66.85	46+26.21	RT				60					60		BLACK- 30' SKIP / 10' DASH
MLK EB	46+26.21	54+44.17	RT		270					210				WHITE- 30' SKIP / 10' DASH
MLK WB	90+46.07	93+80.64	LT		80					80				WHITE- 30' SKIP / 10' DASH
MLK EB	58+44.37	80+93.44	RT		2,264					2,264				WHITE-EOP
MLK EB	80+94.47	96+34.23	RT		1,545					1,545				WHITE-EOP
MLK EB	43+66.9	44+76.87	RT		111					111				WHITE-EOP
RAMP 1	54+45.45	60+80.18	RT		622					622				WHITE-EOP
MLK WB/RAMP 2	43+66.85	60+80.63	LT		1,725					1,725				WHITE-EOP
MLK WB/RAMP 2	56+94.05	60+82.39	LT		397					397				WHITE-EOP
MLK WB/RAMP 2	56+94.10	81+51.76	LT		2,447					2,447				WHITE-EOP
MLK WB	81+53.86	88+05.00	LT		649					649				WHITE-EOP
RAMP C	14+73	22+30			768					768				WHITE-EOP
RAMP B	8+21	16+37			816					816				WHITE-EOP
RAMP D	11+11.47	14+85.87	RT		374					374				WHITE-EOP
RAMP D	14+85.87	18+26.49	RT			341					341			WHITE-EOP
RAMP D	15+83.12	18+26.77	RT			244					244			WHITE-EOP
RAMP D	15+84.05	18+26.90	RT		244						244			WHITE-EOP
I-55/64 EB	122+61.10	128+00.00	RT		536					536				YELLOW-EOP
RAMP 1	58+42.36	60+81.36	RT		230					230				YELLOW-EOP
RAMP D	14+09.90	18+26.09	LT		416					416				YELLOW-EOP
MLK EB	77+34.00	80+94.47	RT			363					363			WHITE LINE FOR GORE
MLK EB	77+34.00	80+93.84	RT			363					363			WHITE LINE FOR GORE
MLK WB	54+44.17	58+44.37	RT			400					400			WHITE LINE FOR GORE
MLK WB	54+44.17	58+42.36	RT			399					399			WHITE LINE FOR GORE
MLK WB	78+10.65	81+53.86	LT			343					343			WHITE LINE FOR GORE
MLK WB	78+10.65	81+52.77	LT			343					343			WHITE LINE FOR GORE
MLK WB	88+05.00	93+80.76	LT			572					572			WHITE LINE FOR GORE
MLK WB	93+80.76	93+80.76	LT			1					1			WHITE LINE FOR GORE
MLK WB	88+14.81	93+80.76	LT			560					560			WHITE LINE FOR GORE
MLK EB	54+44.17	58+32.30	RT					171					171	WHITE- SKEWED 45° @ 20' SPACING
MLK EB	77+34.00	80+94.47	RT					312					312	WHITE- SKEWED 45° @ 20' SPACING
MLK WB	88+04.99	93+80.76	LT					446					446	WHITE- SKEWED 45° @ 20' SPACING
MO AVE	14+09.72	15+88.22	RT					77					77	WHITE- SKEWED 45° @ 20' SPACING
MO AVE	13+79.55	15+87.30	LT					165					165	WHITE- SKEWED 45° @ 20' SPACING
TOTALS				1,612	25,349	3,929	60	1,171	1,612	25,289	3,929	60	1,171	

LOCATION				CON BARR WALL REMOVAL & REPLACE LOCATION 1 (L SUM)	CONCRETE BARRIER DBL FACE, 32" (FOOT)	CONC BARR AND BASE SNGL FACE, 42" (SPECIAL) (FOOT)	PAINT PVT MK LINE 12" (FOOT)	NOTES
ROADWAY	STATION	STATION	SIDE					
MLK	46+26.22	60+39.70	CL	1				
MLK	60+39.70	60+54.70	CL		15			TRANSITION FROM EX TO BRIDGE BARRIER
MLK	73+99.29	74+14.29	CL		15			TRANSITION FROM BRIDGE BARRIER TO 32"
MLK	74+14.29	77+43.25	CL		331			
MLK	78+21.75	78+36.73	CL		15			TRANSITION FROM BRIDGE REPAIR TO EX
RAMP B						193		
RAMP D	73+99.29	77+23.61	CL			367		
MLK	60+62.91	73+99.29	RT				1,445	WHITE PARAPET LINE
MLK	43+36.85	9634.23	CL				10,595	DOUBLE-YELLOW BARRIER LINE
MLK	60+64.12	75+18.62	LT				1,343	WHITE PARAPET LINE
TOTALS				1	376	560	13,383	

NOTE: SEE BRIDGE PLANS FOR ANCHORING TRANSITION SECTIONS TO THE CONNECTOR PAVEMENT

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FILE NAME = 007-014-DB76039-shd-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 32		
*MODELNAME*	PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 6 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 76C39			
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -			ILLINOIS FED. AID PROJECT						



PAVEMENT PATCH SCHEDULE				CLASS A PATCHES TYPE I 12" (SQ YD)	CLASS A PATCHES TYPE II 12" (SQ YD)	CLASS A PATCHES TYPE III 12" (SQ YD)	CLASS A PATCHES TYPE 4 12" (SQ YD)	CLASS D PATCHES TYPE 3 12" (SQ YD)	WELDED WIRE REINF (SQ YD)	SAW CUTS (FOOT)
LOCATION										
ROADWAY	STATION	STATION	SIDE							
I-55/64	123+00.00						120		120	229
I-55/64	123+82.48	123+87.49	LT		11				11	92
I-55/64	124+03.27	124+08.78	LT		12				12	93
I-55/64	124+22.39	124+27.49	LT		11				11	92
MLK EB	44+75.00					17			17	75
MLK EB	46+50.00						140		140	445
MLK EB	45+50.00				11				11	77
MLK EB	46+30.00				11				11	77
MLK EB	47+00.00				11				11	77
MLK EB	46+75.00				11				11	77
MLK EB	57+80.00				11				11	77
MLK WB	44+75.00			4					4	37
MLK WB	45+50.00				8				8	61
MLK WB	46+70.00						27		27	105
MLK WB	48+30.00				8				8	49
MLK WB	49+50.00				8				8	49
MLK WB	52+50.00			4					4	37
MLK WB	56+50.00				8				8	61
MLK WB	57+75.00				10				10	73
MLK WB	57+85.00				8				8	61
MLK WB	58+50.00				13				13	93
MLK	87+12.08	87+91.50	LT					18		158
SUBTOTALS				8	152	17	287	18	464	2195
15% SUBTOTAL				2	23	3	43	3	70	329
TOTALS				10	175	20	330	21	534	2524

\*NOTE: AN ADDITIONAL 15% HAS BEEN ADDED TO THE FINAL PATCHING QUANTITY TO ALLOW FOR WINTER DAMAGE FOR TWO SEASONS.

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE				RAISE REFLC PVMNT MARKER REMOVAL (EACH)	RAISED REFLECTOR PAVEMENT MARKER (EACH)	BARRIER WALL REFLECTORS TYPE C (EACH)	NOTES
ROADWAY	STATION	STATION	SIDE				
MLK EB	43+60.00	54+44.00		13			
MLK EB	58+55.00	60+80.00		3			
MLK WB	59+50.00	60+80.00		2			
MLK EB	73+27.00	77+35.00		16			
MLK WB	73+28.00	78+09.00		25			
MLK EB	77+64.00	80+94.00		41			
MLK WB	78+23.00	81+51.00		32			
MLK WB	88+05.00	93+81.00		38			
MLK EB	43+66.87	54+44.17	RT		13		WHITE
MLK EB	54+44.17	58+32.30	RT		10		WHITE
MLK EB	54+44.17	58+30.42	RT		10		WHITE
MLK EB	75+93.91	80+93.44	RT		25		WHITE
MLK EB	77+34.00	80+94.47	RT		9		WHITE
MLK EB	77+34.00	80+93.84	RT		9		WHITE
MLK WB	78+10.65	81+53.86	LT		9		WHITE
MLK WB	78+10.65	81+52.77	LT		9		WHITE
MLK WB	78+10.30	81+51.76	LT		9		WHITE
MLK WB	88+05.00	93+80.76	LT		14		WHITE
MLK WB	87+02.19	93+80.64	LT		34		AMBER
MLK WB	90+46.07	93+80.70	LT		4		WHITE
MLK	59+50.00	60+00.00	CL			3	AMBER
MLK	60+00.00	63+50.00	CL			12	AMBER
MLK	63+50.00	71+20.68	CL			6	AMBER
MLK	71+20.68	77+23.60	CL			21	AMBER
TOTALS				170	155	42	

UTILITY ADJUSTMENTS					
ROADWAY	STATION	OFFSET	STATION	OFFSET	LOCATING UNDERGROUND CABLE (FOOT)
MLK	72+19.23	94.1' RT	76+38.01	93.3' LT	522
MLK	73+29.55	19.7' LT	77+33.31	51.0' LT	396
TOTALS					918

**EFK•Moen, LLC**  
Civil Engineering Design

FILE NAME = 007-014-DB76039-shr-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 33	
*MODELNAME*	PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 7 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 76C39		ILLINOIS FED. AID PROJECT
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -								

GUARDRAIL SCHEDULE

LOCATION				GUARDRAIL REMOVAL (FOOT)	STEEL BEAM GUARDRAIL TYPE A 6' POSTS (FOOT)	STEEL BEAM GUARDRAIL TYPE D 6' POSTS (FOOT)	STEEL BEAM GUARDRAIL TYPE B 6' POSTS (FOOT)	STEEL BEAM GUARDRAIL TYPE A 9' POSTS (FOOT)	STEEL BEAM GUARDRAIL TYPE A (SPECIAL) (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 5 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 6B (EACH)	TBT TYPE 1 SPECIAL TANGENT (EACH)	REMOVE & REPLACE IMPACT ATT SAND MOD (EACH)	IMPACT ATTENUATOR NON REDIRECT TEST LEVEL 3 (EACH)	REMOVE & REINSTALL IMPACT ATT (EACH)	REMOVE IMPACT ATT NO SALVAGE (EACH)	TERMINAL MARKER D A (EACH)	GUARDRAIL REFLECTORS TYPE A (EACH)	
ROADWAY	STATION	STATION	SIDE																		
I-55/64	121+86.32	125+86.80	LT	408																	
I-55/64	121+95.30	124+73.26	RT	276																	
I-55/64	127+03.05	127+19.36	RT	16																	
MLK	43+39.31	50+08.67	LT	667																	
MLK	43+39.11	45+26.03	RT	192																	
MLK	51+55.59	60+61.79	LT	868																	
MLK	56+45.02	56+70.01	RT	25																	
MLK	59+78.33	60+81.27	LT	107																	
MLK	59+78.33	60+81.21	LT	105																	
MLK	58+72.67	60+80.64	RT	203																	
MLK	58+72.67	60+65.16	RT	187																	
MLK	73+29.24	78+29.61	LT	485																	
MLK	73+27.62	75+93.65	RT	275																	
RAMP B	5+73.33	10+59.58	LT	487																	
MLK	85+68.61	88+05.41	LT	234																	
MLK	87+87.41	88+05.11	LT	18																	
RAMP B	11+37.83	12+37.80	LT	103																	
MO AVE	10+98.32	13+00.46	RT	203																	
MO AVE	11+51.10	13+10.02	LT	158																	
I-55/64	122+37.38	125+94.10	LT		262.5								1	1					1	4	
I-55/64	122+47.82	128+15.92	RT		462.5								1	1					1	7	
MLK	43+36.85	50+13.55	LT					550.0	37.5			1		1					1	6	
MLK	43+36.86	45+26.02	RT					150.00	37.5		1									4	
MLK/RAMP 2	51+49.09	60+61.79	LT					875.0	25.0	1	1									8	
MLK	56+45.02	56+70.01	RT						25.0												
MLK	58+72.67	60+65.16	RT		150.0							1					1			4	
MLK	58+72.67	60+62.91	RT		150.0							1								4	
MLK	59+90.53	60+66.71	LT		25.0	50.0					1					1				4	
MLK	59+90.76	60+64.13	LT		12.5	50.0					1									4	
MLK	75+18.56	78+29.61	LT		250.0						1	1								4	
MLK	73+99.29	75+93.92	RT		150.0						1	1								4	
MLK	80+88.21		RT															1			
RAMP B	5+79.50	9+83.84	LT		337.5		25.0				1	1								5	
RAMP B	11+74.70	12+37.80	LT		25.0						1	1									
MLK	85+74.54	88+08.28	LT		200.0							1								4	
MLK	87+45.14	88+08.47	LT		50.0					1								1		4	
RAMP D	11+83.05	12+69.96	LT									1		1	1				1	4	
TOTAL					5,017	2,075	100	25	1,575	125	2	8	9	2	4	1	1	2	1	4	70

TRAFFIC CONTROL SCHEDULES

LOCATION				ENGINEER'S FIELD OFFICE TYPE A (SPECIAL) (CAL MO)	TC&P STANDARD 701401 (SPECIAL) (EACH)	TC&P STANDARD 701402 (SPECIAL) (EACH)	INTERSTATE WEEKEND CLOSURE (SPECIAL) (EACH)	TRAFFIC CONTROL & PROTECTION (SPECIAL) (EACH)
ROADWAY	STATION	STATION	NOTES					
MLK	58+44.84	96+34.23		13				
I-55/64 WB			NIGHTTIME LANE CLOSURE		1			
I-55/64 WB			NIGHTTIME LANE CLOSURE		1			
I-55/64 WB			NIGHTTIME LANE CLOSURE		1			
I-55/64 WB			NIGHTTIME LANE CLOSURE		1			
IL ROUTE 3 SB			LT LANE CLOSURE			1		
IL ROUTE 3 NB			LT LANE CLOSURE			1		
RAMP D			STAGE 1			1		
RAMP D			STAGE 2			1		
I-55/64 WB			FULL WEEKEND CLOSURE				1	
I-55/64 WB			FULL WEEKEND CLOSURE				1	
I-55/64 WB			FULL WEEKEND CLOSURE				1	
I-55/64 WB			FULL WEEKEND CLOSURE				1	
IL ROUTE 3			FULL WEEKEND CLOSURE					1
IL ROUTE 3			FULL WEEKEND CLOSURE					1
TOTALS					13	4	4	2

**EFK·Moen, LLC**  
Civil Engineering Design

FILE NAME = 007-014-DB76039-shd-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 34		
*MODELNAME*	PLOT SCALE = 20.0000' / in.	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 8 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 76C39			
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -			ILLINOIS FED. AID PROJECT						



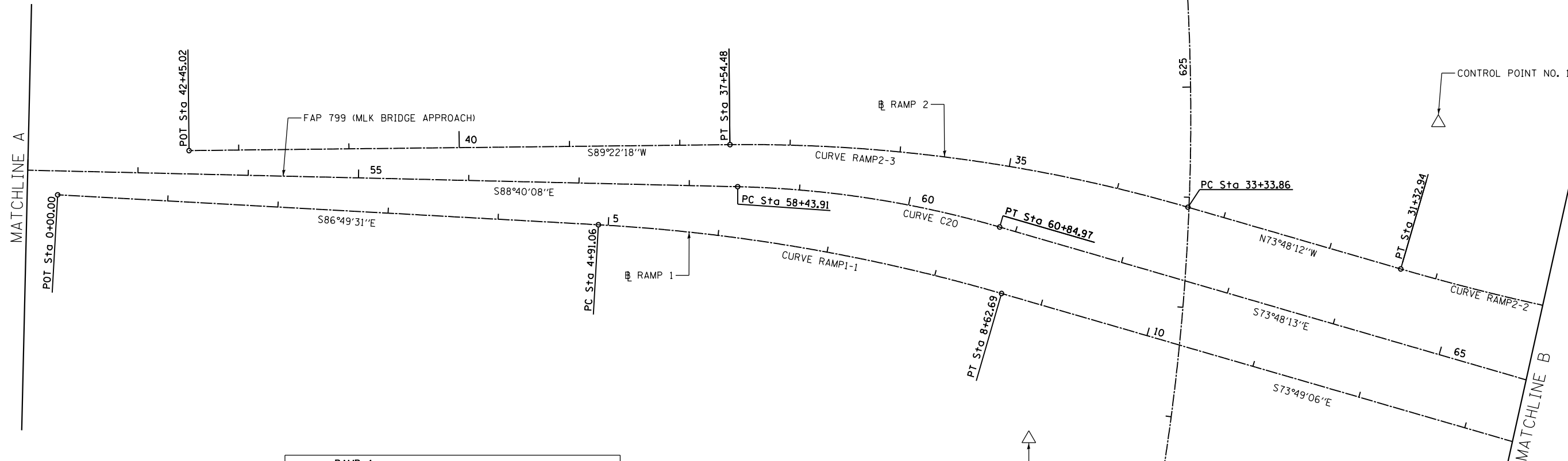
PROP. CURVE RAMP2-2  
 PI STA. = 25+85.23  
 $\Delta = 31^\circ 05' 32''$  (RT)  
 D = 2° 46' 00"  
 R = 2,070.95'  
 T = 576.12'  
 L = 1,123.83'  
 E = 78.64'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 20+09.11  
 P.T. STA = 31+32.94

PROP. CURVE RAMP2-3  
 PI STA. = 35+45.69  
 $\Delta = 16^\circ 49' 30''$  (LT)  
 D = 4° 00' 00"  
 R = 1432.39'  
 T = 211.84'  
 L = 420.62'  
 E = 15.57'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 33+33.86  
 P.T. STA = 37+54.48

PROP. CURVE C20  
 PI STA. = 59+65.12  
 $\Delta = 14^\circ 51' 56''$  (RT)  
 D = 6° 10' 00"  
 R = 929.12'  
 T = 121.21'  
 L = 241.06'  
 E = 7.87'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 58+43.91  
 P.T. STA = 60+84.97

PROP. CURVE RAMP1-1  
 PI STA. = 6+77.68  
 $\Delta = 13^\circ 00' 25''$  (RT)  
 D = 3° 30' 00"  
 R = 1,637.02'  
 T = 186.62'  
 L = 371.63'  
 E = 10.60'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 4+91.06  
 P.T. STA = 8+62.69

PROP. CURVE IL3-1  
 PI STA. = 620+50.65  
 $\Delta = 39^\circ 34' 55''$  (LT)  
 D = 2° 45' 00"  
 R = 2,083.48'  
 T = 749.73'  
 L = 1,439.34'  
 E = 130.79'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 613+00.92  
 P.T. STA = 627+40.27



EB 55/64		
STATION	NORTHING	EASTING
PCC STA 11+49.65	14039441.9762	2450631.0321
PI STA 13+58.26	14039602.3556	2450764.4349
PCC STA 15+63.56	14039714.7509	2450940.1766
PI STA 17+24.12	14039801.2575	2451075.4385
PCC STA 18+83.18	14039853.6520	2451227.2081
PI STA 19+59.74	14039878.6336	2451299.5717
PT STA 20+36.11	14039894.8202	2451374.3952
PC STA 24+11.20	14039974.1291	2451741.0048
PI STA 24+82.70	14039989.2479	2451810.8924
PCC STA 25+54.14	14040009.7271	2451879.4012
PI STA 27+77.49	14040073.6972	2452093.4002
PCC STA 30+00.54	14040156.7853	2452300.7263
PI STA 30+67.20	14040181.5818	2452362.6000
PCC STA 31+33.81	14040210.4430	2452422.6853
PI STA 33+22.30	14040292.0583	2452592.5975
PCC STA 35+10.67	14040384.6498	2452756.7865
PI STA 36+14.83	14040435.8170	2452847.5194
PCC STA 37+18.99	14040488.8632	2452937.1668
PI STA 38+70.24	14040565.8886	2453067.3388
PT STA 40+21.35	14040652.6305	2453191.2481
POT STA 46+27.29	14041000.1286	2453687.6435

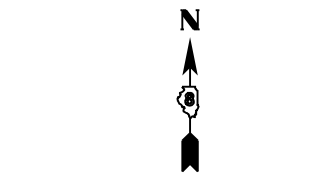
RAMP 1		
STATION	NORTHING	EASTING
POT STA 0+00.00	14040377.8999	2449235.1055
PC STA 4+91.06	14040350.7043	2449725.4119
PI STA 6+77.68	14040340.3693	2449911.7408
PT STA 8+62.69	14040288.3626	2450090.9630
PC STA 22+99.19	14039888.0330	2451470.5530
PI STA 25+77.53	14039810.4621	2451737.8727
PT STA 28+30.15	14039933.7678	2451987.4179
PC STA 34+48.28	14040207.5949	2452541.5870
PI STA 37+24.26	14040329.8528	2452789.0116
PT STA 39+98.86	14040492.8707	2453011.7022

RAMP 2		
STATION	NORTHING	EASTING
POT STA 0+00.00	14041013.3201	2453426.3034
PC STA 5+61.90	14040735.3216	2452937.9916
PI STA 8+33.35	14040601.0208	2452702.0888
PT STA 11+01.80	14040531.2415	2452439.7576
PC STA 20+09.11	14040298.0097	2451562.9370
PI STA 25+85.23	14040149.9130	2451006.1766
PT STA 31+32.94	14040310.6129	2450452.9222
PC STA 33+33.86	14040366.6565	2450259.9767
PI STA 35+45.69	14040425.7449	2450056.5482
PT STA 37+54.48	14040423.4217	2449844.7246
POT STA 42+45.02	14040418.0420	2449354.2141

CONTROL POINT NO. CDI 1

CONTROL POINT NO. TWM 517

CONTROL POINT NO. 150



0 50 100 150  
 SCALE IN FEET

**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME =  
 016-D876039-sh1-ATB 02.dgn  
 \*MODELNAME\*

USER NAME = jd  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - SLD  
 DRAWN - MSK  
 CHECKED - SLD  
 DATE - 3/22/2018

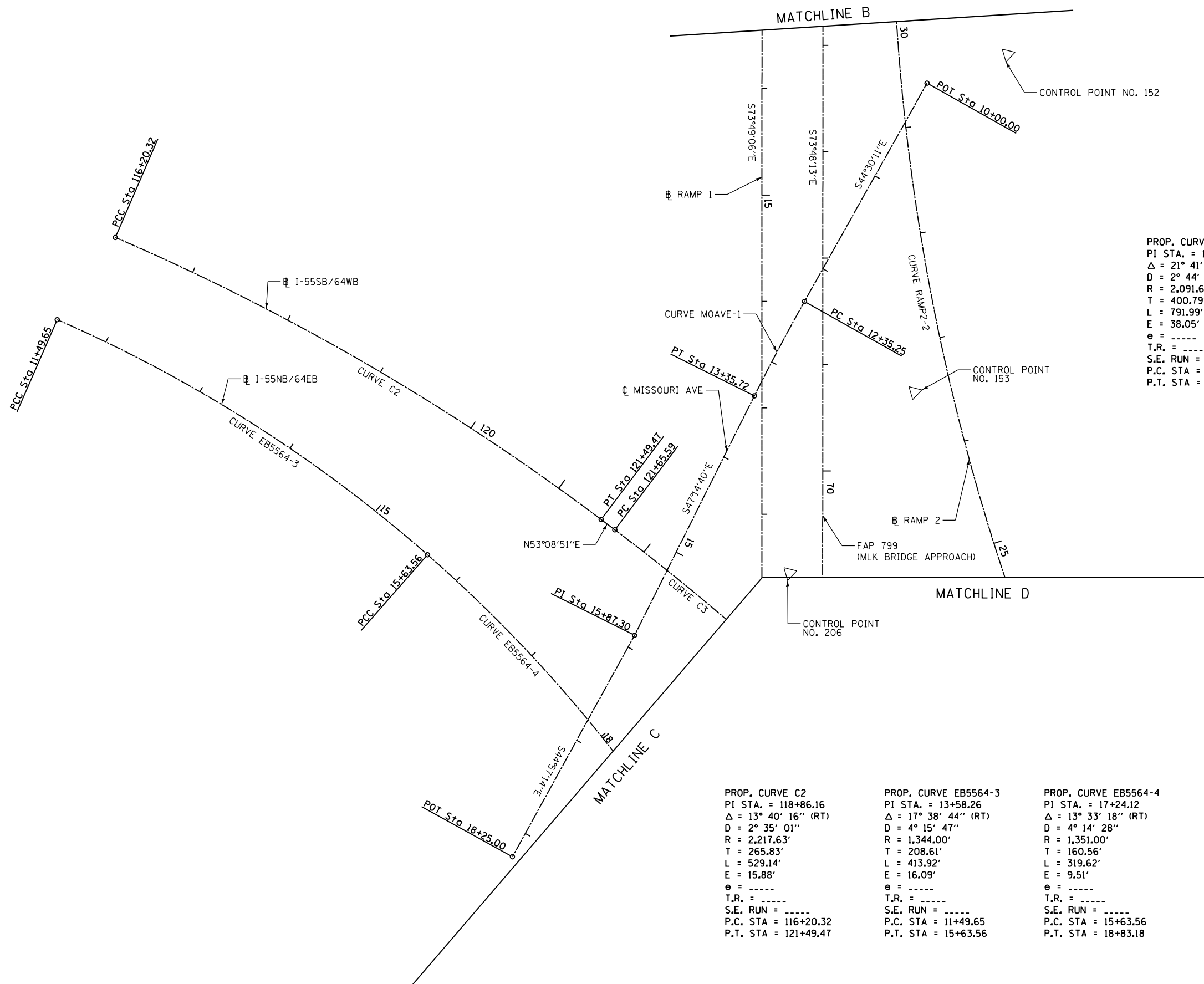
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT TIES AND BENCHMARKS

SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	36
			76039	
ILLINOIS FED. AID PROJECT				



PROP. CURVE C3  
 PI STA. = 125+66.38  
 $\Delta$  = 21° 41' 42" (RT)  
 D = 2° 44' 22"  
 R = 2,091.61'  
 T = 400.79'  
 L = 791.99'  
 E = 38.05'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 121+65.59  
 P.T. STA = 129+57.58

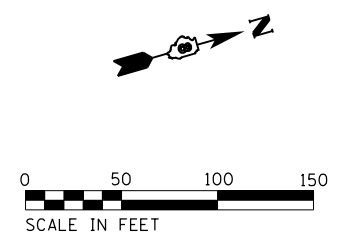
PROP. CURVE MOAVE-1  
 PI STA. = 12+85.49  
 $\Delta$  = 2° 44' 29" (LT)  
 D = 2° 43' 42"  
 R = 2,100.00'  
 T = 50.25'  
 L = 100.47'  
 E = 0.60'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 12+35.25  
 P.T. STA = 13+35.72

PROP. CURVE RAMP2-2  
 PI STA. = 25+85.23  
 $\Delta$  = 31° 05' 32" (RT)  
 D = 2° 46' 00"  
 R = 2,070.95'  
 T = 576.12'  
 L = 1,123.83'  
 E = 78.64'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 20+09.11  
 P.T. STA = 31+32.94

PROP. CURVE C2  
 PI STA. = 118+86.16  
 $\Delta$  = 13° 40' 16" (RT)  
 D = 2° 35' 01"  
 R = 2,217.63'  
 T = 265.83'  
 L = 529.14'  
 E = 15.88'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 116+20.32  
 P.T. STA = 121+49.47

PROP. CURVE EB5564-3  
 PI STA. = 13+58.26  
 $\Delta$  = 17° 38' 44" (RT)  
 D = 4° 15' 47"  
 R = 1,344.00'  
 T = 208.61'  
 L = 413.92'  
 E = 16.09'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 11+49.65  
 P.T. STA = 15+63.56

PROP. CURVE EB5564-4  
 PI STA. = 17+24.12  
 $\Delta$  = 13° 33' 18" (RT)  
 D = 4° 14' 28"  
 R = 1,351.00'  
 T = 160.56'  
 L = 319.62'  
 E = 9.51'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 15+63.56  
 P.T. STA = 18+83.18



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 017-D876039-sh1-ATB 03.dgn	USER NAME = j_d	DESIGNED - SLD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT TIES AND BENCHMARKS**

SCALE: 1" = 50' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	37
			76039	
ILLINOIS FED. AID PROJECT				

PROP. CURVE RAMP2-2  
 PI STA. = 25+85.23  
 $\Delta = 31^\circ 05' 32''$  (RT)  
 D = 2° 46' 00"  
 R = 2,070.95'  
 T = 576.12'  
 L = 1,123.83'  
 E = 78.64'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 20+09.11  
 P.T. STA = 31+32.94

PROP. CURVE C3  
 PI STA. = 125+66.38  
 $\Delta = 21^\circ 41' 42''$  (RT)  
 D = 2° 44' 22"  
 R = 2,091.61'  
 T = 400.79'  
 L = 791.99'  
 E = 38.05'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 121+65.59  
 P.T. STA = 129+57.58

PROP. CURVE C33  
 PI STA. = 4+51.71  
 $\Delta = 7^\circ 58' 08''$  (LT)  
 D = 4° 33' 18"  
 R = 1,257.90'  
 T = 87.62'  
 L = 174.95'  
 E = 3.05'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 3+64.09  
 P.T. STA = 5+39.04

PROP. CURVE C34  
 PI STA. = 10+86.12  
 $\Delta = 10^\circ 30' 02''$  (RT)  
 D = 10° 40' 07"  
 R = 537.05'  
 T = 49.35'  
 L = 98.42'  
 E = 2.26'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 10+36.77  
 P.T. STA = 11+35.20

PROP. CURVE C35  
 PI STA. = 12+53.42  
 $\Delta = 59^\circ 36' 59''$  (RT)  
 D = 27° 45' 54"  
 R = 206.36'  
 T = 118.22'  
 L = 214.72'  
 E = 31.47'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 11+35.20  
 P.T. STA = 13+49.92

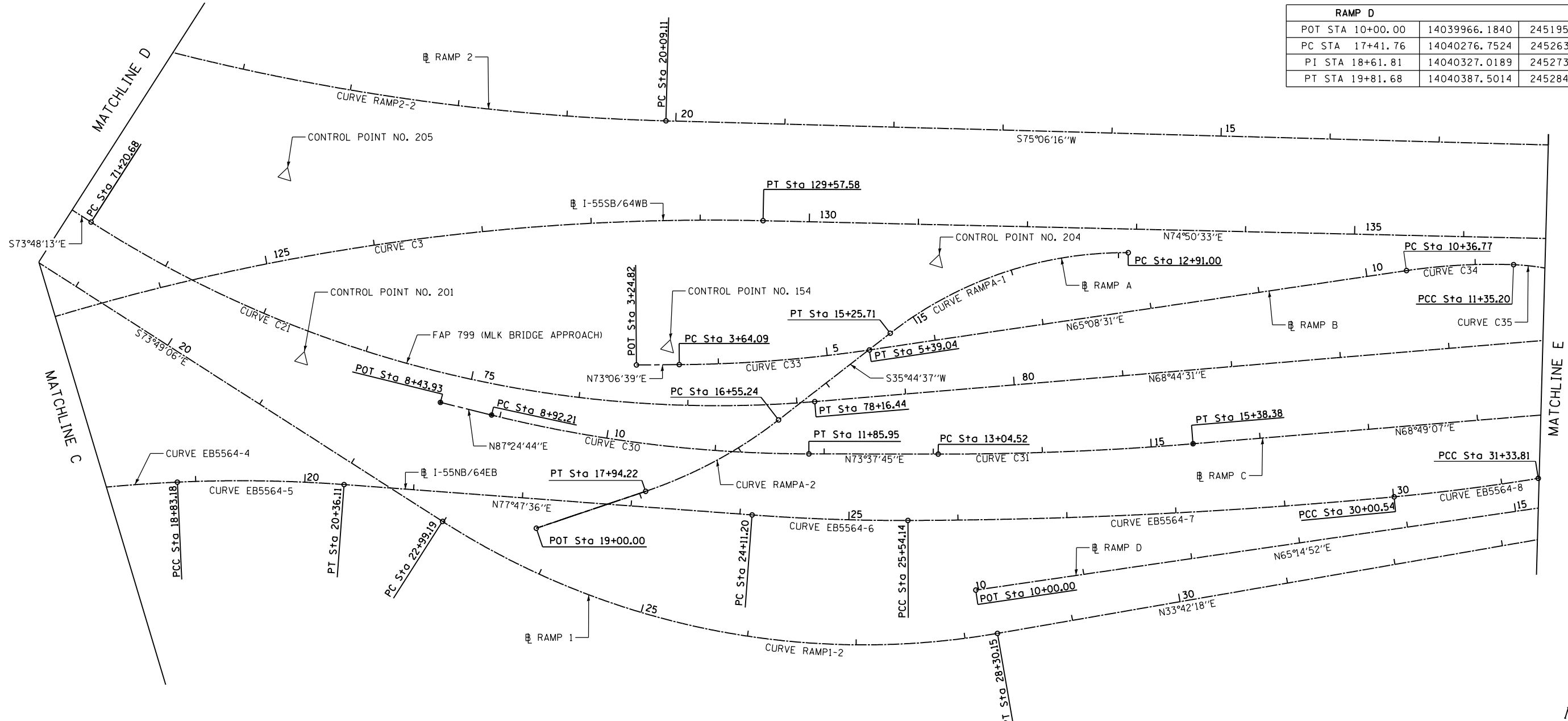
PROP. CURVE C21  
 PI STA. = 74+81.50  
 $\Delta = 37^\circ 27' 17''$  (LT)  
 D = 5° 23' 00"  
 R = 1,064.32'  
 T = 360.82'  
 L = 695.75'  
 E = 59.50'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 71+20.68  
 P.T. STA = 78+16.44

PROP. CURVE C30  
 PI STA. = 10+39.79  
 $\Delta = 13^\circ 46' 59''$  (LT)  
 D = 4° 41' 32"  
 R = 1,221.07'  
 T = 147.58'  
 L = 293.74'  
 E = 8.89'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 8+92.21  
 P.T. STA = 11+85.95

PROP. CURVE C31  
 PI STA. = 14+21.52  
 $\Delta = 4^\circ 48' 38''$  (LT)  
 D = 2° 03' 25"  
 R = 2,785.41'  
 T = 117.00'  
 L = 233.86'  
 E = 2.46'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 13+04.52  
 P.T. STA = 15+38.38

RAMP A		
STATION	NORTHING	EASTING
PC STA 12+91.00	14040302.2770	2452003.6209
PI STA 14+12.91	14040268.5690	2451886.4676
PT STA 15+25.71	14040169.6253	2451815.2548
PC STA 16+55.24	14040064.4938	2451739.5885
PI STA 17+25.38	14040007.5637	2451698.6141
PT STA 17+94.22	14039967.2166	2451641.2377
POT STA 19+00.00	14039906.3700	2451554.7096

RAMP D		
STATION	NORTHING	EASTING
POT STA 10+00.00	14039966.1840	2451957.1500
PC STA 17+41.76	14040276.7524	2452630.7581
PI STA 18+61.81	14040327.0189	2452739.7839
PT STA 19+81.68	14040387.5014	2452843.4913



PROP. CURVE EB5564-4  
 PI STA. = 17+24.12  
 $\Delta = 13^\circ 33' 18''$  (RT)  
 D = 4° 14' 28"  
 R = 1351.00'  
 T = 160.56'  
 L = 319.62'  
 E = 9.51'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 15+63.56  
 P.T. STA = 18+83.18

PROP. CURVE EB5564-5  
 PI STA. = 19+59.74  
 $\Delta = 6^\circ 50' 20''$  (RT)  
 D = 4° 28' 20"  
 R = 1281.16'  
 T = 76.55'  
 L = 152.93'  
 E = 2.29'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 18+83.18  
 P.T. STA = 20+36.11

PROP. CURVE EB5564-6  
 PI STA. = 24+82.70  
 $\Delta = 4^\circ 26' 10''$  (LT)  
 D = 3° 06' 13"  
 R = 1846.14'  
 T = 71.50'  
 L = 142.94'  
 E = 1.38'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 24+11.20  
 P.T. STA = 25+54.14

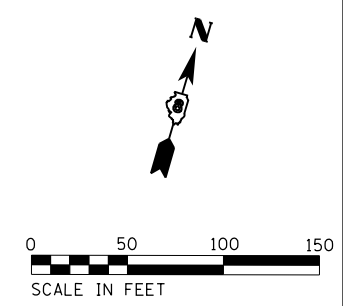
PROP. CURVE EB5564-7  
 PI STA. = 27+77.49  
 $\Delta = 5^\circ 11' 46''$  (LT)  
 D = 1° 09' 50"  
 R = 4922.36'  
 T = 223.36'  
 L = 446.41'  
 E = 5.06'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 25+54.14  
 P.T. STA = 30+00.54

PROP. CURVE EB5564-8  
 PI STA. = 30+67.20  
 $\Delta = 3^\circ 49' 04''$  (LT)  
 D = 2° 51' 53"  
 R = 2000.00'  
 T = 66.66'  
 L = 133.27'  
 E = 1.11'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 30+00.54  
 P.T. STA = 31+33.81

PROP. CURVE RAMP1-2  
 PI STA. = 25+77.53  
 $\Delta = 42^\circ 28' 36''$  (LT)  
 D = 8° 00' 00"  
 R = 716.20'  
 T = 278.35'  
 L = 530.96'  
 E = 52.19'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 22+99.19  
 P.T. STA = 28+30.15

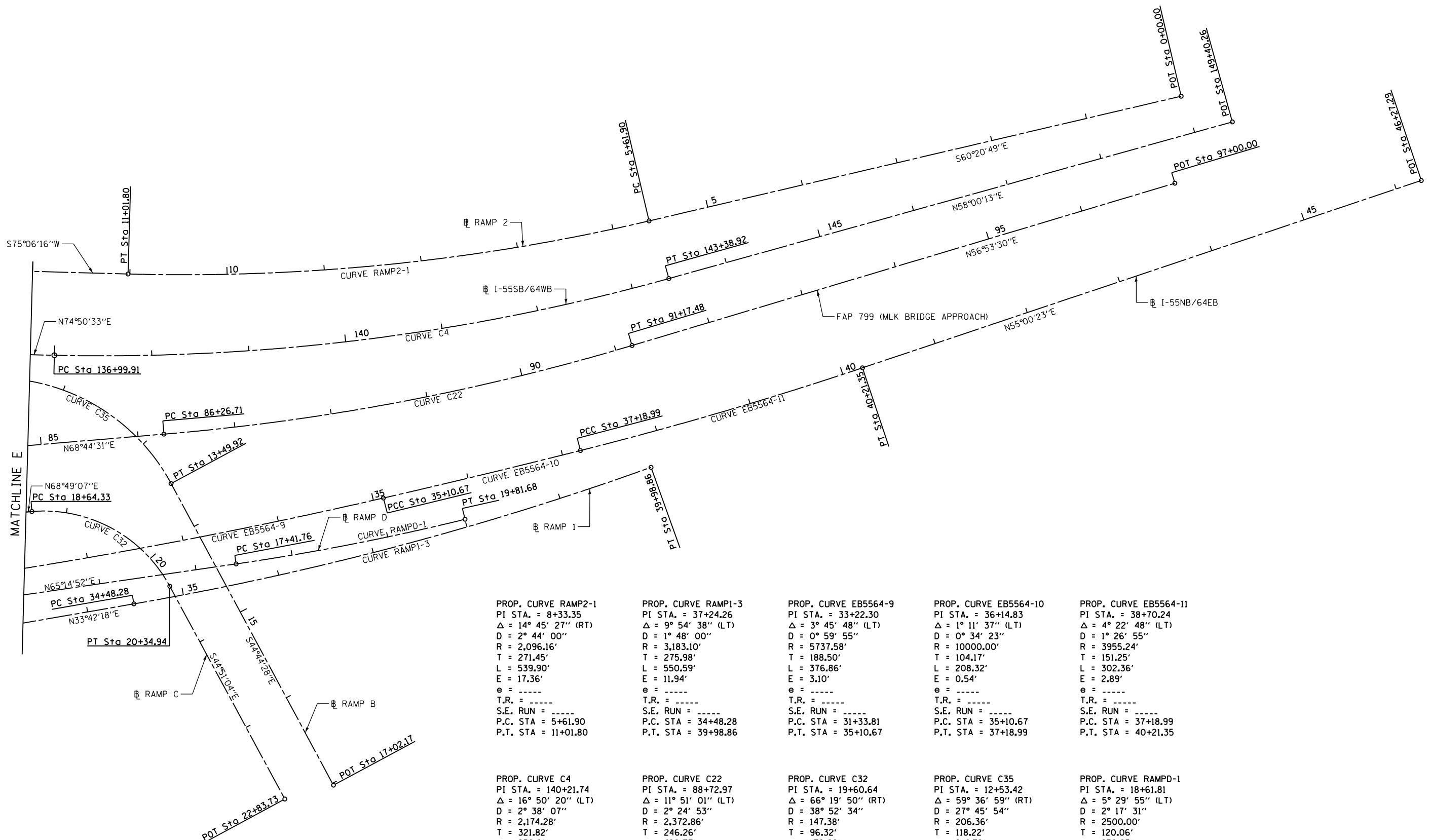
PROP. CURVE RAMP A-1  
 PI STA. = 14+12.91  
 $\Delta = 38^\circ 12' 16''$  (LT)  
 D = 16° 16' 38"  
 R = 352.00'  
 T = 121.91'  
 L = 234.71'  
 E = 20.51'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 12+91.00  
 P.T. STA = 15+25.71

PROP. CURVE RAMP A-2  
 PI STA. = 17+25.38  
 $\Delta = 19^\circ 08' 29''$  (RT)  
 D = 13° 46' 23"  
 R = 416.00'  
 T = 70.14'  
 L = 138.98'  
 E = 5.87'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 16+55.24  
 P.T. STA = 17+94.22



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 018-D876039-sh1-ATB 04.dgn	USER NAME = jd	DESIGNED - SLD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>		F.A.P. RTE. = 799	SECTION = 1BR-1-1	COUNTY = ST. CLAIR	TOTAL SHEETS = 315	SHEET NO. = 38			
*MODELNAME*	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -				SCALE: 1" = 50'	SHEET 4 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/22/2018	DATE = 3/22/2018	REVISED -											



PROP. CURVE RAMP2-1  
 PI STA. = 8+33.35  
 $\Delta = 14^\circ 45' 27''$  (RT)  
 D = 2° 44' 00"  
 R = 2,096.16'  
 T = 271.45'  
 L = 539.90'  
 E = 17.36'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 5+61.90  
 P.T. STA = 11+01.80

PROP. CURVE RAMP1-3  
 PI STA. = 37+24.26  
 $\Delta = 9^\circ 54' 38''$  (LT)  
 D = 1° 48' 00"  
 R = 3,183.10'  
 T = 275.98'  
 L = 550.59'  
 E = 11.94'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 34+48.28  
 P.T. STA = 39+98.86

PROP. CURVE EB5564-9  
 PI STA. = 33+22.30  
 $\Delta = 3^\circ 45' 48''$  (LT)  
 D = 0° 59' 55"  
 R = 5737.58'  
 T = 188.50'  
 L = 376.86'  
 E = 3.10'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 31+33.81  
 P.T. STA = 35+10.67

PROP. CURVE EB5564-10  
 PI STA. = 36+14.83  
 $\Delta = 1^\circ 11' 37''$  (LT)  
 D = 0° 34' 23"  
 R = 10000.00'  
 T = 104.17'  
 L = 208.32'  
 E = 0.54'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 35+10.67  
 P.T. STA = 37+18.99

PROP. CURVE EB5564-11  
 PI STA. = 38+70.24  
 $\Delta = 4^\circ 22' 48''$  (LT)  
 D = 1° 26' 55"  
 R = 3955.24'  
 T = 151.25'  
 L = 302.36'  
 E = 2.89'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 37+18.99  
 P.T. STA = 40+21.35

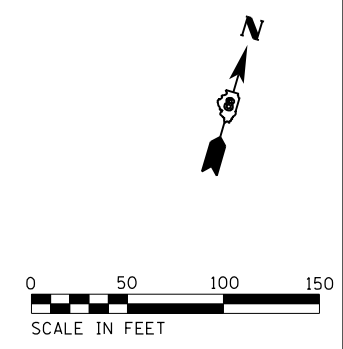
PROP. CURVE C4  
 PI STA. = 140+21.74  
 $\Delta = 16^\circ 50' 20''$  (LT)  
 D = 2° 38' 07"  
 R = 2,174.28'  
 T = 321.82'  
 L = 639.01'  
 E = 23.69'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 136+99.91  
 P.T. STA = 143+38.92

PROP. CURVE C22  
 PI STA. = 88+72.97  
 $\Delta = 11^\circ 51' 01''$  (LT)  
 D = 2° 24' 53"  
 R = 2,372.86'  
 T = 246.26'  
 L = 490.77'  
 E = 12.74'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 86+26.71  
 P.T. STA = 91+17.48

PROP. CURVE C32  
 PI STA. = 19+60.64  
 $\Delta = 66^\circ 19' 50''$  (RT)  
 D = 38° 52' 34"  
 R = 147.38'  
 T = 96.32'  
 L = 170.62'  
 E = 28.68'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 18+64.33  
 P.T. STA = 20+34.94

PROP. CURVE C35  
 PI STA. = 12+53.42  
 $\Delta = 59^\circ 36' 59''$  (RT)  
 D = 27° 45' 54"  
 R = 206.36'  
 T = 118.22'  
 L = 214.72'  
 E = 31.47'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 11+35.20  
 P.T. STA = 13+49.92

PROP. CURVE RAMPD-1  
 PI STA. = 18+61.81  
 $\Delta = 5^\circ 29' 55''$  (LT)  
 D = 2° 17' 31"  
 R = 2500.00'  
 T = 120.06'  
 L = 239.93'  
 E = 2.88'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 17+41.76  
 P.T. STA = 19+81.68



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 019-D876039-sh1-ATB 05.dgn  
 \*MODELNAME\*

USER NAME = jd  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - SLD  
 DRAWN - MSK  
 CHECKED - SLD  
 DATE - 3/22/2018

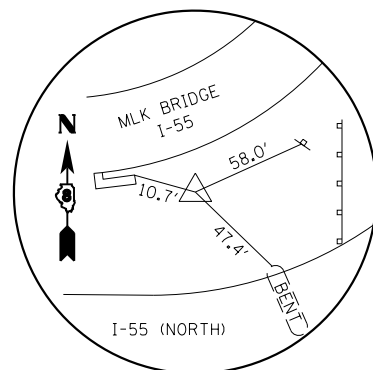
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

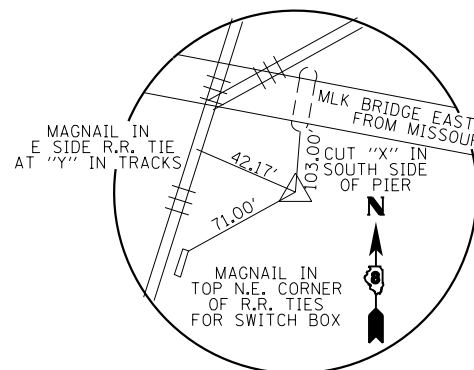
ALIGNMENT TIES AND BENCHMARKS

SCALE: 1" = 50' SHEET 5 OF 6 SHEETS STA. TO STA.

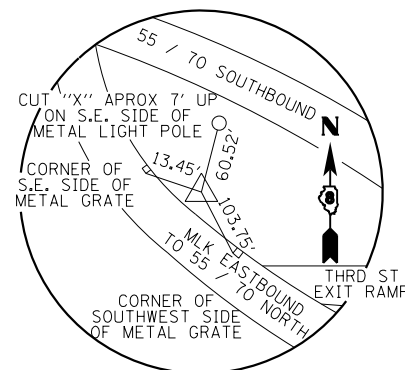
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST. CLAIR	315	39
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				



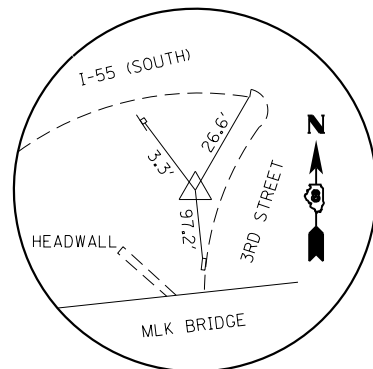
CONTROL POINT NO. 201  
SET IRON ROD  
N: 14039993.9750  
E: 2451304.9800  
EL: 432.92  
MLK STA. 73+47.57  
OFFSET 26.2' RT



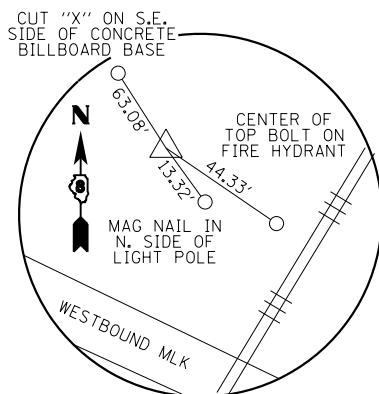
CONTROL POINT NO. 150  
IRON PIN W/IDOT CAP  
N: 14040065.7872  
E: 2450490.8644  
EL: 417.74  
MLK STA. 65+49.55  
OFFSET 159.6' RT



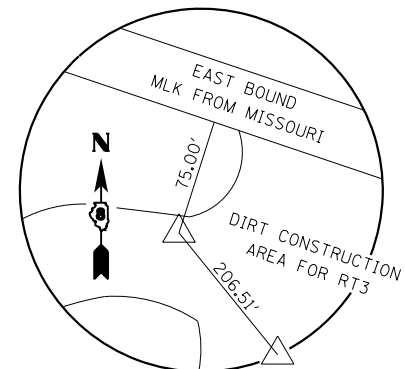
CONTROL POINT NO. 154  
IRON PIN W/IDOT CAP  
N: 14040099.6458  
E: 2451623.6173  
EL: 423.30  
MLK STA. 76+79.58  
OFFSET 52.5' LT



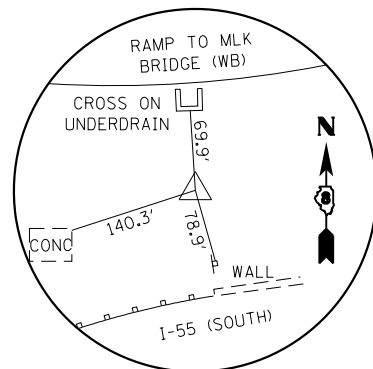
CONTROL POINT NO. 204  
SET IRON ROD  
N: 14040244.3620  
E: 2451838.0560  
EL: 410.95  
MLK STA. 79+39.01  
OFFSET 118.0' LT



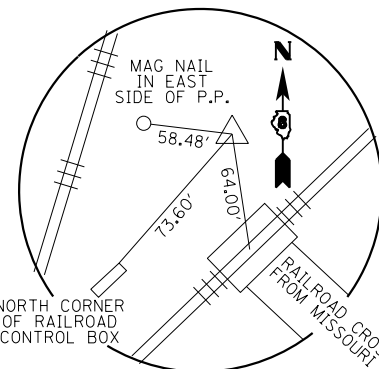
CONTROL POINT NO. 151  
IRON PIN W/IDOT CAP  
N: 14040443.3423  
E: 2450487.0426  
EL: 417.52  
MLK STA. 64+40.57  
OFFSET 201.9' LT



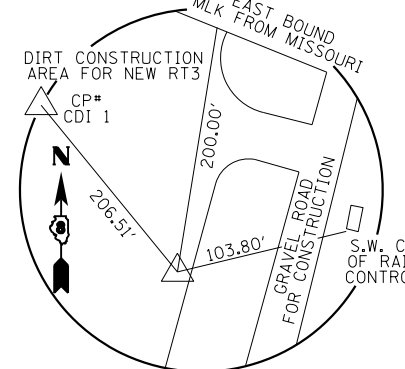
CONTROL POINT NO. CDI 1  
IRON PIN  
N: 14040156.5357  
E: 24510115.6281  
EL: 426.70  
MLK STA. 61+63.90  
OFFSET 177.1' RT



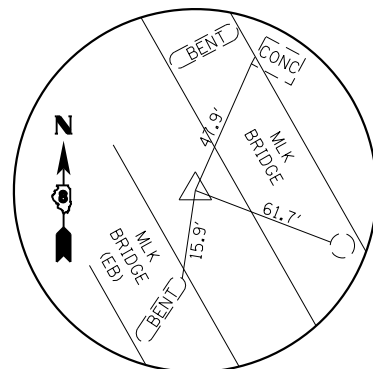
CONTROL POINT NO. 205  
SET IRON ROD  
N: 14040151.3910  
E: 2451242.5170  
EL: 412.65  
MLK STA. 72+64.61  
OFFSET 123.7' LT



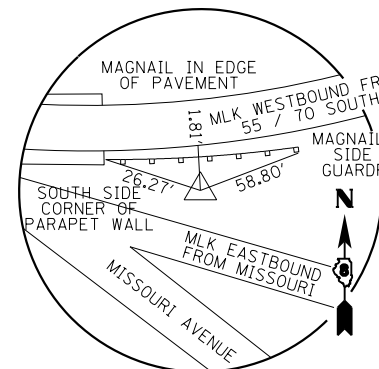
CONTROL POINT NO. 152  
IRON PIN W/IDOT CAP  
N: 14040369.4309  
E: 2450640.4612  
EL: 417.54  
MLK STA. 66+08.52  
OFFSET 173.7' LT



CONTROL POINT NO. TWM 517  
IRON PIN W/CAP  
N: 14040034.5211  
E: 2450282.2071  
EL: 432.09  
MLK STA. 63+57.90  
OFFSET 247.8' RT



CONTROL POINT NO. 206  
SET IRON ROD  
N: 14040036.6400  
E: 2451051.3350  
EL: 415.640  
MLK STA. 70+95.91  
OFFSET 31.3' RT



CONTROL POINT NO. 153  
IRON PIN W/IDOT CAP  
N: 14040196.8853  
E: 2450920.7509  
EL: 433.69  
MLK STA. 69+25.81  
OFFSET 86.2' LT

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 020-DB76639-sht-ATB 06.dgn	USER NAME = jd	DESIGNED - SLD	REVISED -
		DRAWN - MSK	REVISED -
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

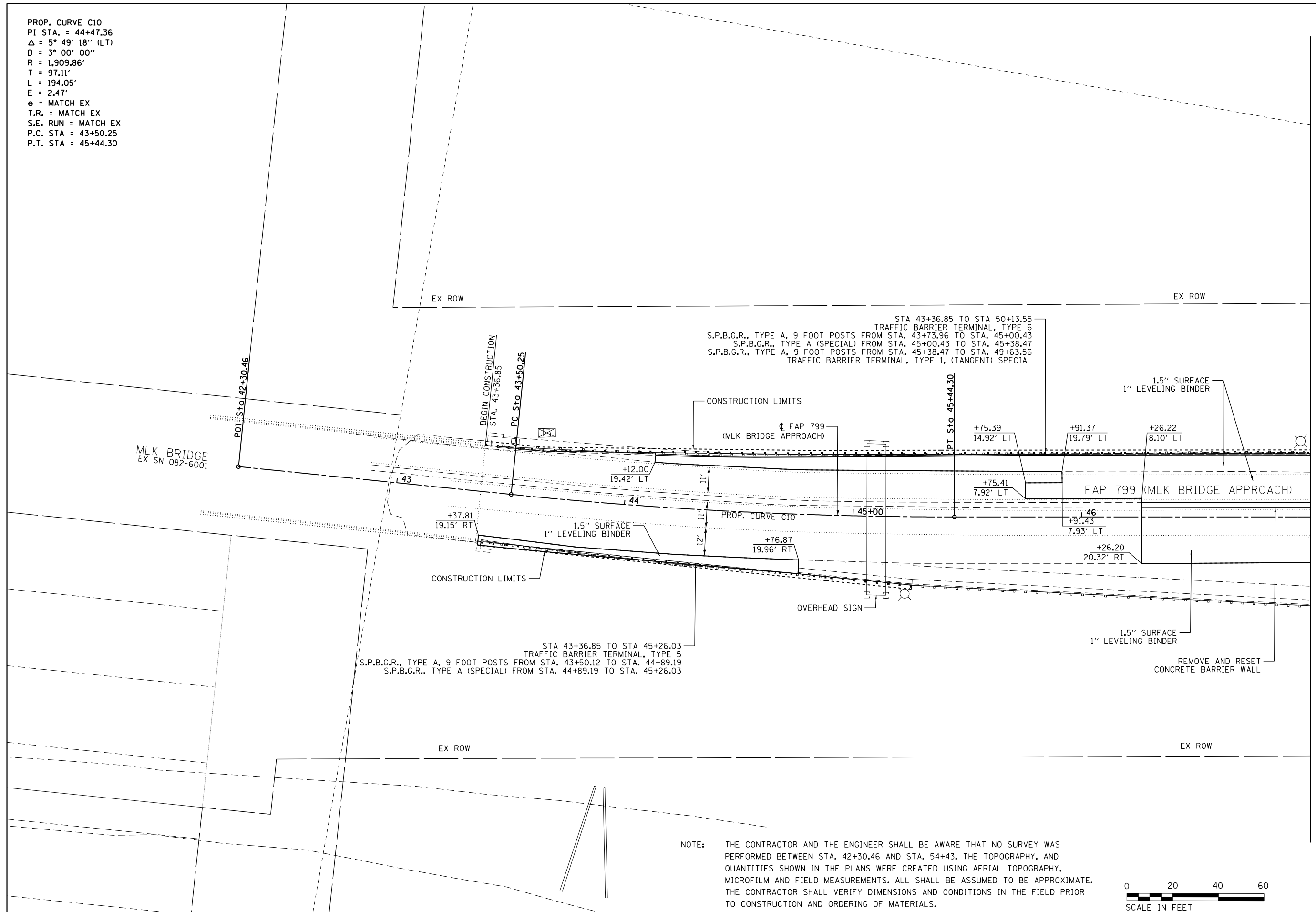
ALIGNMENT TIES AND BENCHMARKS

SCALE: 1" = 100' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	40
				76C39
ILLINOIS FED. AID PROJECT				



PROP. CURVE C10  
 PI STA. = 44+47.36  
 $\Delta = 5^\circ 49' 18''$  (LT)  
 $D = 3^\circ 00' 00''$   
 $R = 1,909.86'$   
 $T = 97.11'$   
 $L = 194.05'$   
 $E = 2.47'$   
 $e = \text{MATCH EX}$   
 $T.R. = \text{MATCH EX}$   
 $S.E. \text{ RUN} = \text{MATCH EX}$   
 $P.C. \text{ STA} = 43+50.25$   
 $P.T. \text{ STA} = 45+44.30$



STA 43+36.85 TO STA 45+26.03  
TRAFFIC BARRIER TERMINAL, TYPE 5  
S.P.B.G.R., TYPE A, 9 FOOT POSTS FROM STA. 43+50.12 TO STA. 44+89.19  
S.P.B.G.R., TYPE A (SPECIAL) FROM STA. 44+89.19 TO STA. 45+26.03

NOTE: THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED BETWEEN STA. 42+30.46 AND STA. 54+43. THE TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING AERIAL TOPOGRAPHY, MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



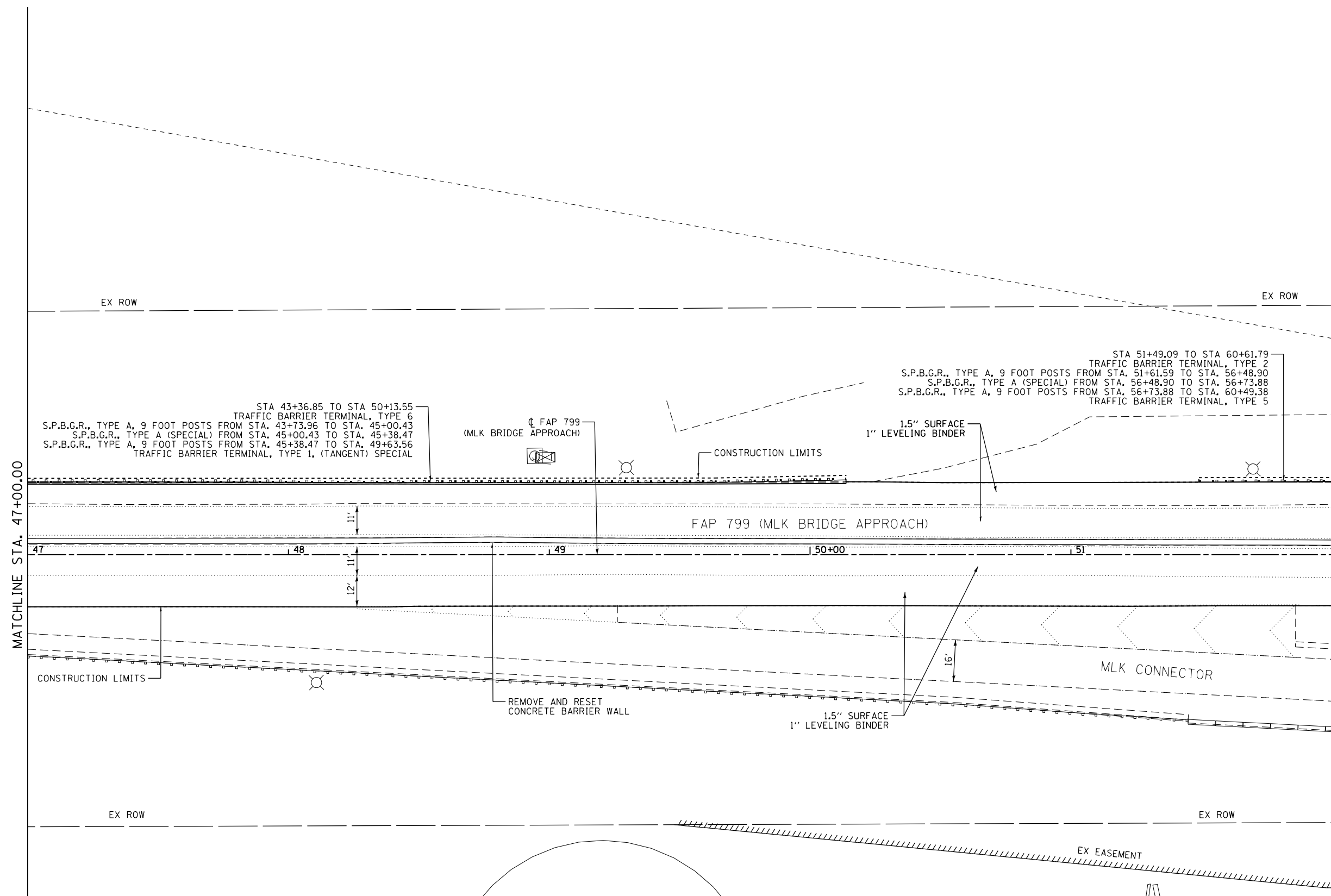
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		DRAWN - JRD	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

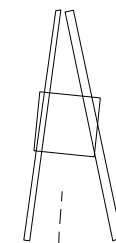
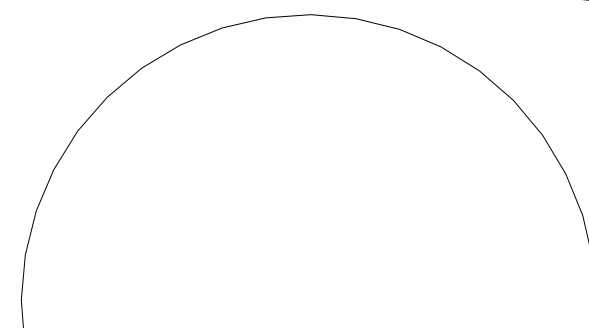
PLAN  
FAP 799  
SCALE: 1"=20' SHEET 1 OF 21 SHEETS STA. 42+30.46 TO STA. 47+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	41
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC  
Civil Engineering Design



NOTE: THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED BETWEEN STA. 42+30.46 AND STA. 54+43. THE TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING AERIAL TOPOGRAPHY, MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



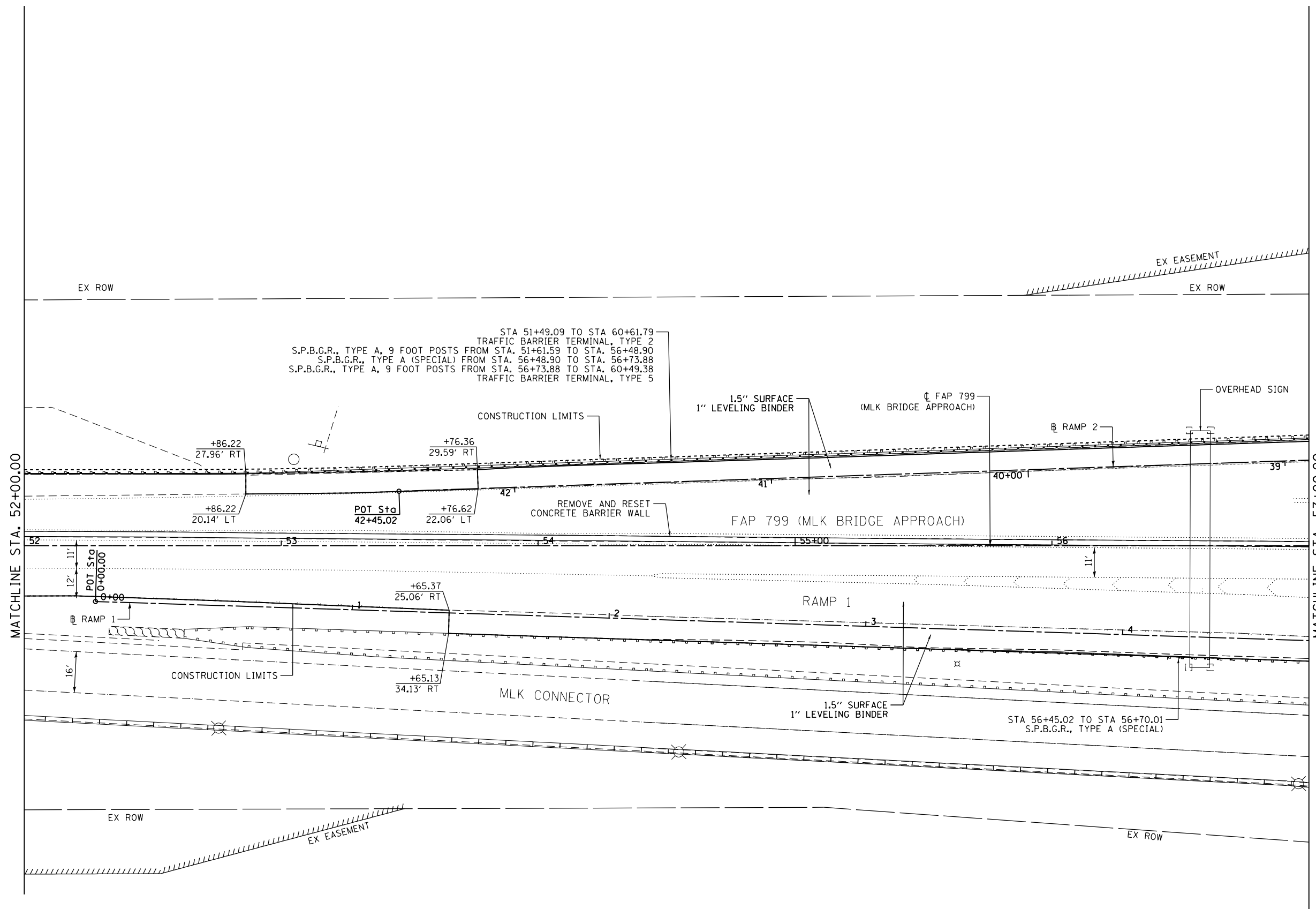
FILE NAME = 022-DB76639-sht-pln-02.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN FAP 799</b>	
SCALE: 1"=20'	SHEET 2 OF 21 SHEETS
STA. 47+00.00 TO STA. 52+00.00	

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 42
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design



NOTE: THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED BETWEEN STA. 42+30.46 AND STA. 54+43. THE TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING AERIAL TOPOGRAPHY, MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 023-DB76639-sht-pln-03.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

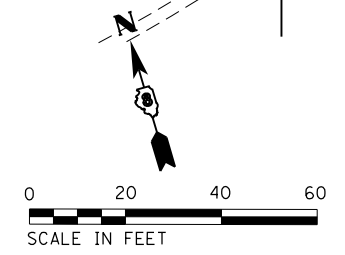
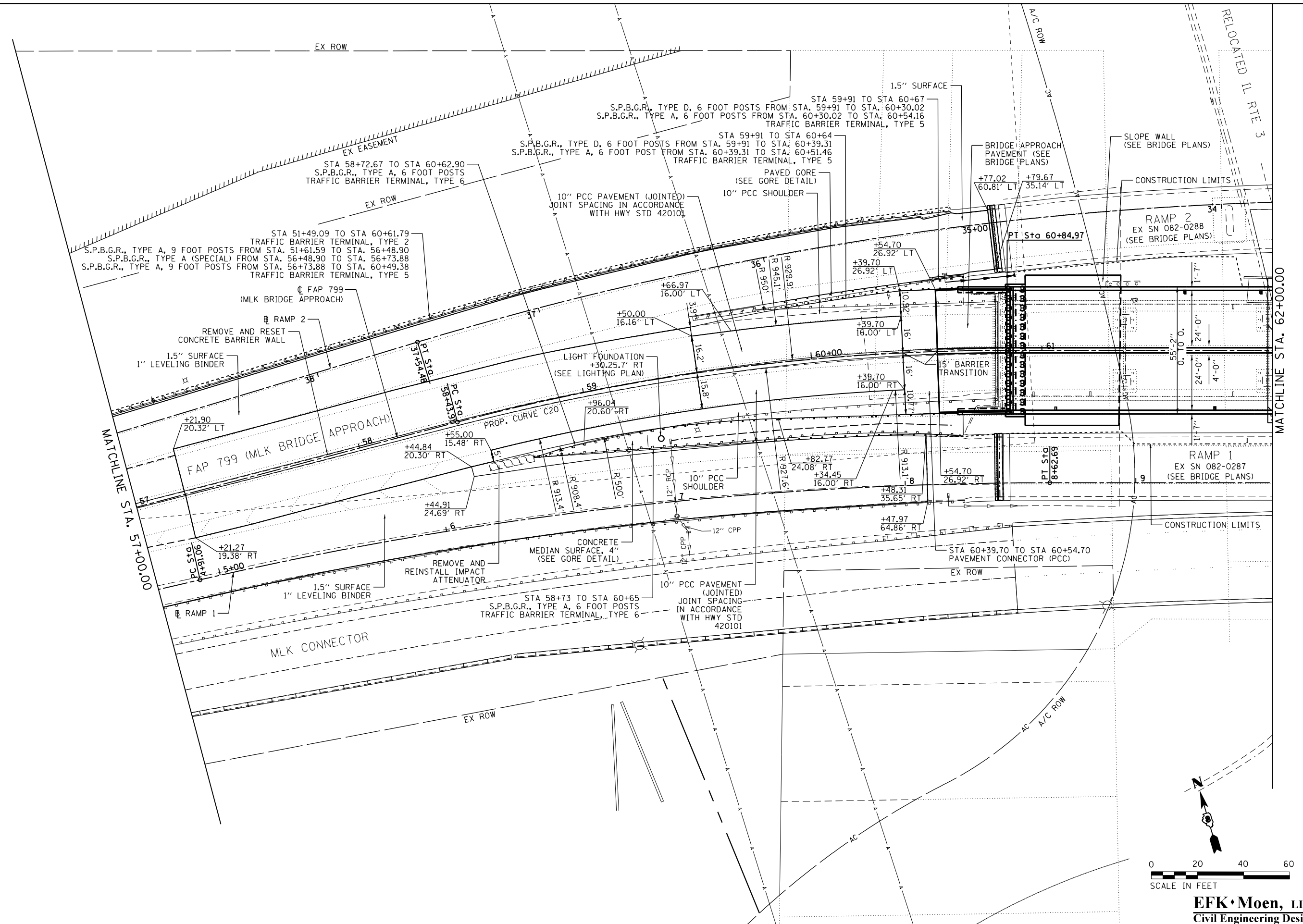
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN  
FAP 799

SCALE: 1"=20' SHEET 3 OF 21 SHEETS STA. 52+00.00 TO STA. 57+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	43
			CONTRACT NO. 76G39	
ILLINOIS FED. AID PROJECT				

PROP. CURVE C20  
 PI STA. = 59+65.12  
 $\Delta = 14^\circ 51' 56''$  (RT)  
 $D = 6^\circ 10' 00''$   
 $R = 929.12'$   
 $T = 121.21'$   
 $L = 241.06'$   
 $E = 7.87'$   
 $e = 4.3\%$   
 $T.R. = 35'$   
 $S.E. RUN = 102'$   
 $P.C. STA = 58+43.91$   
 $P.T. STA = 60+84.97$



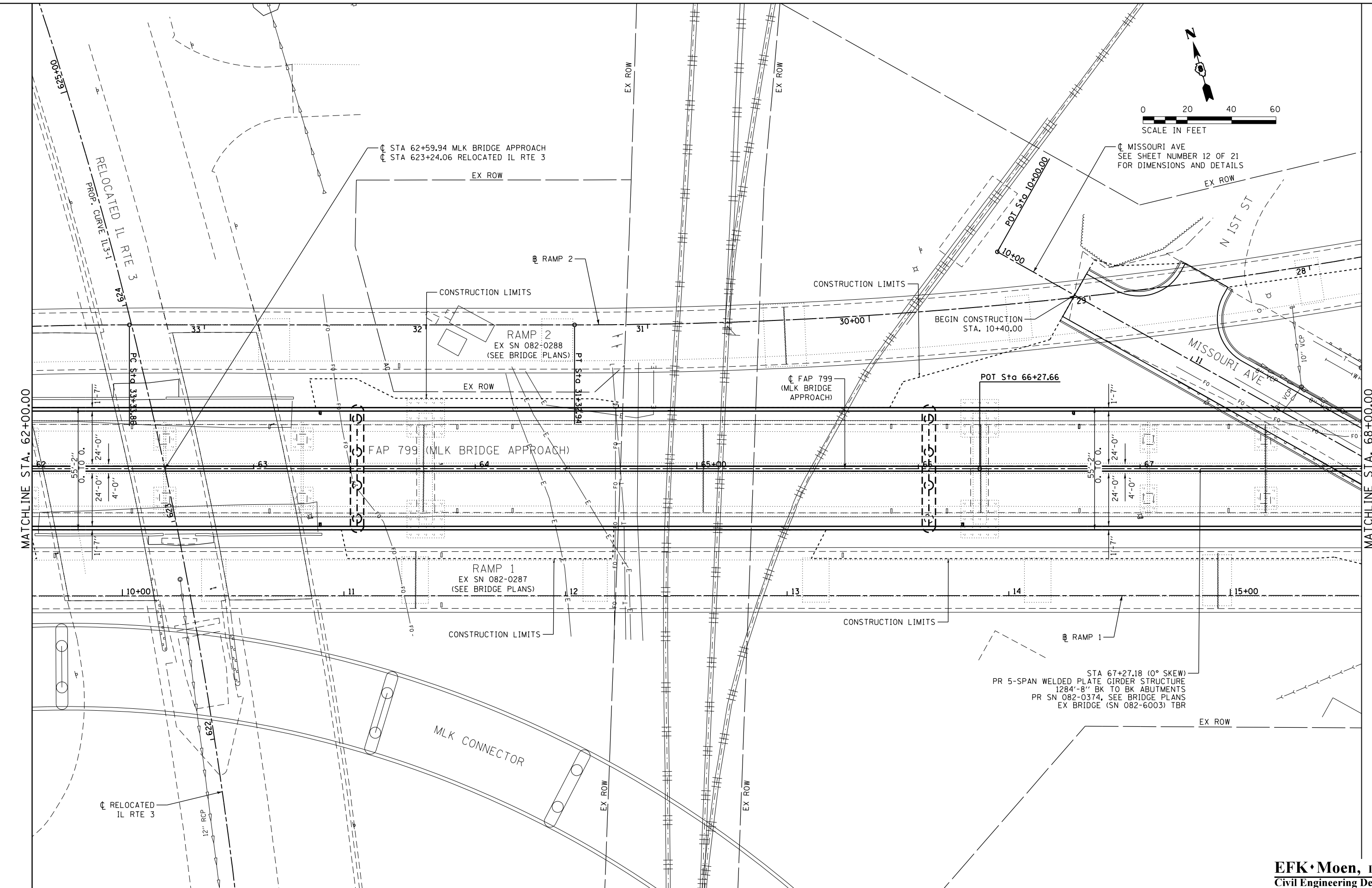
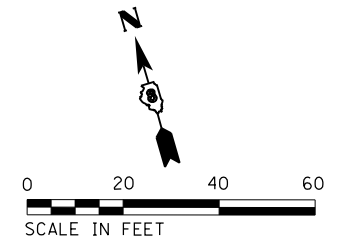
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN  
 FAP 799**

SCALE: 1"=20'    SHEET 4 OF 21 SHEETS    STA. 57+00.00 TO STA. 62+00.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 44
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 62+00.00

MATCHLINE STA. 68+00.00

STA 67+27.18 (0° SKEW)  
 PR 5-SPAN WELDED PLATE GIRDER STRUCTURE  
 1284'-8" BK TO BK ABUTMENTS  
 PR SN 082-0374, SEE BRIDGE PLANS  
 EX BRIDGE (SN 082-6003) TBR

**EFK·Moen, LLC**  
 Civil Engineering Design

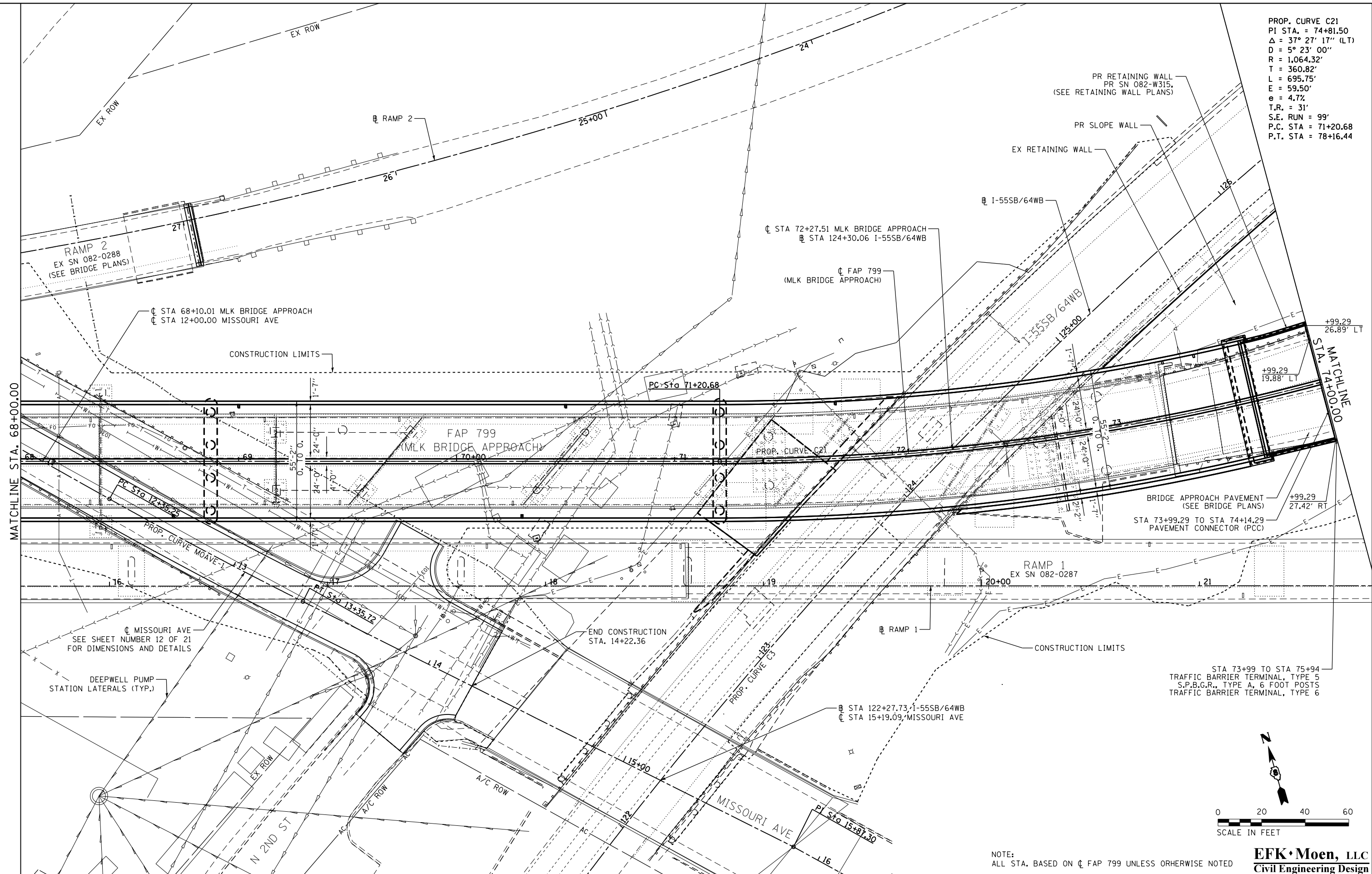
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN FAP 799</b>	
SCALE: 1"=20'	SHEET 5 OF 21 SHEETS
STA. 62+00.00	TO STA. 68+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	45
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

PROP. CURVE C21  
 PI STA. = 74+81.50  
 $\Delta = 37^\circ 27' 17''$  (LT)  
 D = 5° 23' 00"  
 R = 1,064.32'  
 T = 360.82'  
 L = 695.75'  
 E = 59.50'  
 e = 4.7%  
 T.R. = 31'  
 S.E. RUN = 99'  
 P.C. STA = 71+20.68  
 P.T. STA = 78+16.44



FILE NAME = 026-DB76039-sht-p1n06.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

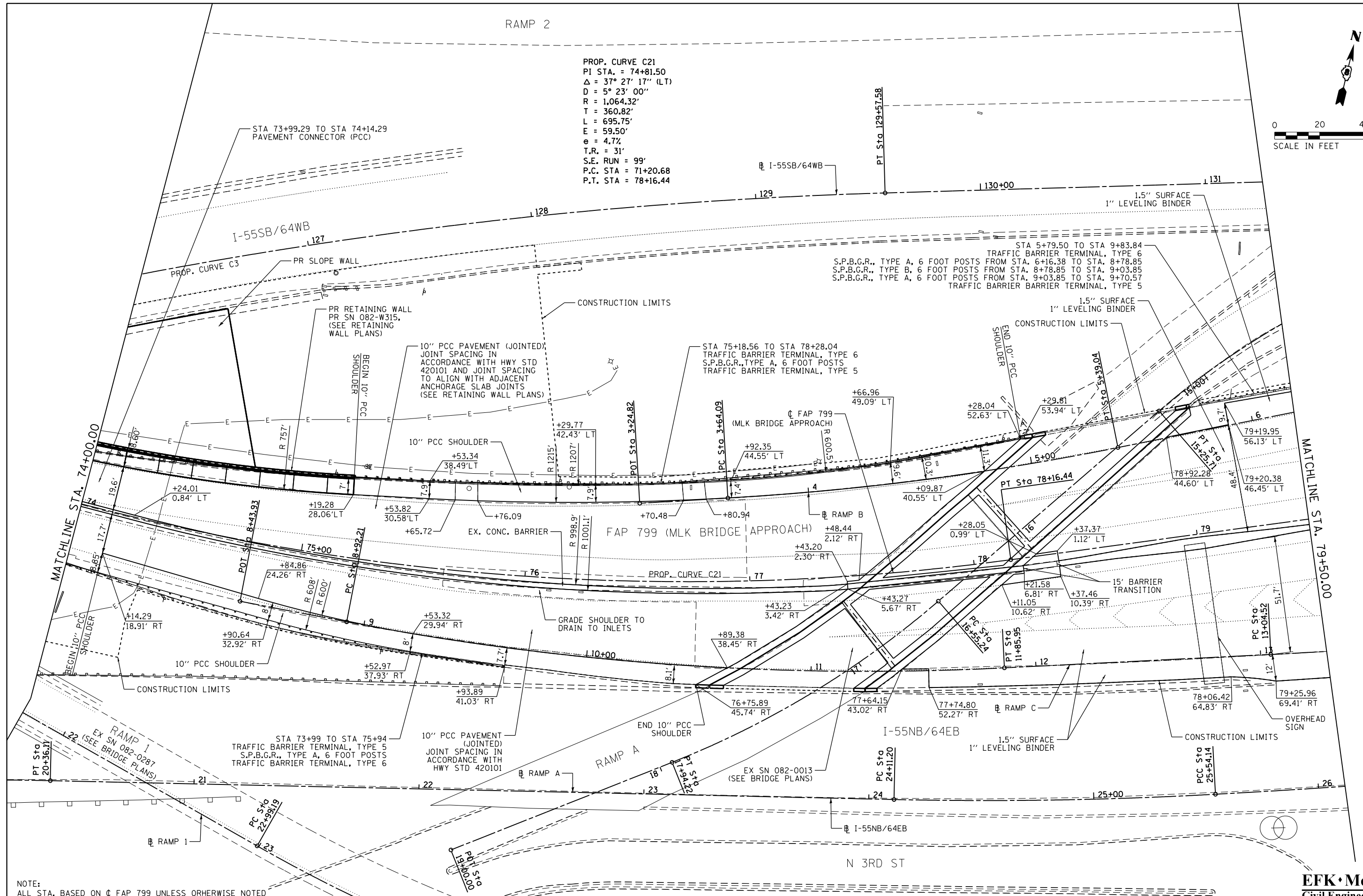
**PLAN  
 FAP 799**

SCALE: 1"=20'    SHEET 6 OF 21 SHEETS    STA. 68+00.00 TO STA. 74+00.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 46
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	



PROP. CURVE C21  
 PI STA. = 74+81.50  
 $\Delta = 37^\circ 27' 17''$  (LT)  
 $D = 5^\circ 23' 00''$   
 $R = 1,064.32'$   
 $T = 360.82'$   
 $L = 695.75'$   
 $E = 59.50'$   
 $e = 4.7\%$   
 $T.R. = 31'$   
 $S.E. RUN = 99'$   
 $P.C. STA = 71+20.68$   
 $P.T. STA = 78+16.44$



NOTE:  
 ALL STA. BASED ON  $\phi$  FAP 799 UNLESS OTHERWISE NOTED

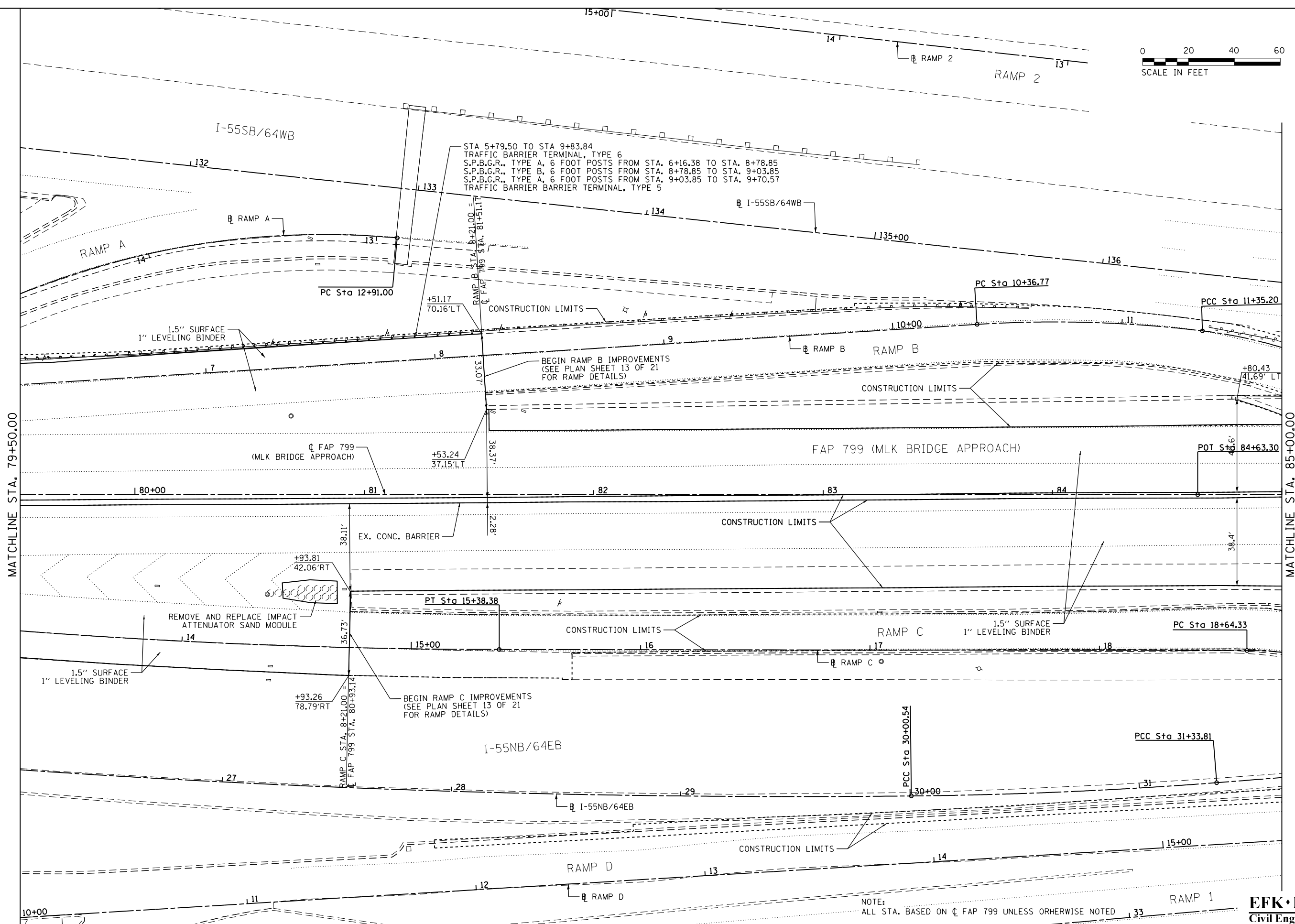
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN  
 FAP 799  
 SCALE: 1"=20'  
 SHEET 7 OF 21 SHEETS  
 STA. 74+00.00 TO STA. 79+50.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 47
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

EFK Moen, LLC  
 Civil Engineering Design



MATCHLINE STA. 79+50.00

MATCHLINE STA. 85+00.00

NOTE:  
ALL STA. BASED ON  $\bar{C}$  FAP 799 UNLESS OTHERWISE NOTED

FILE NAME = 028-DB76039-sht-p1n08.dgn  
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PLOT DATE = 3/22/2018

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DRAWN - JRD  
CHECKED - SLD  
DATE - 3/22/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

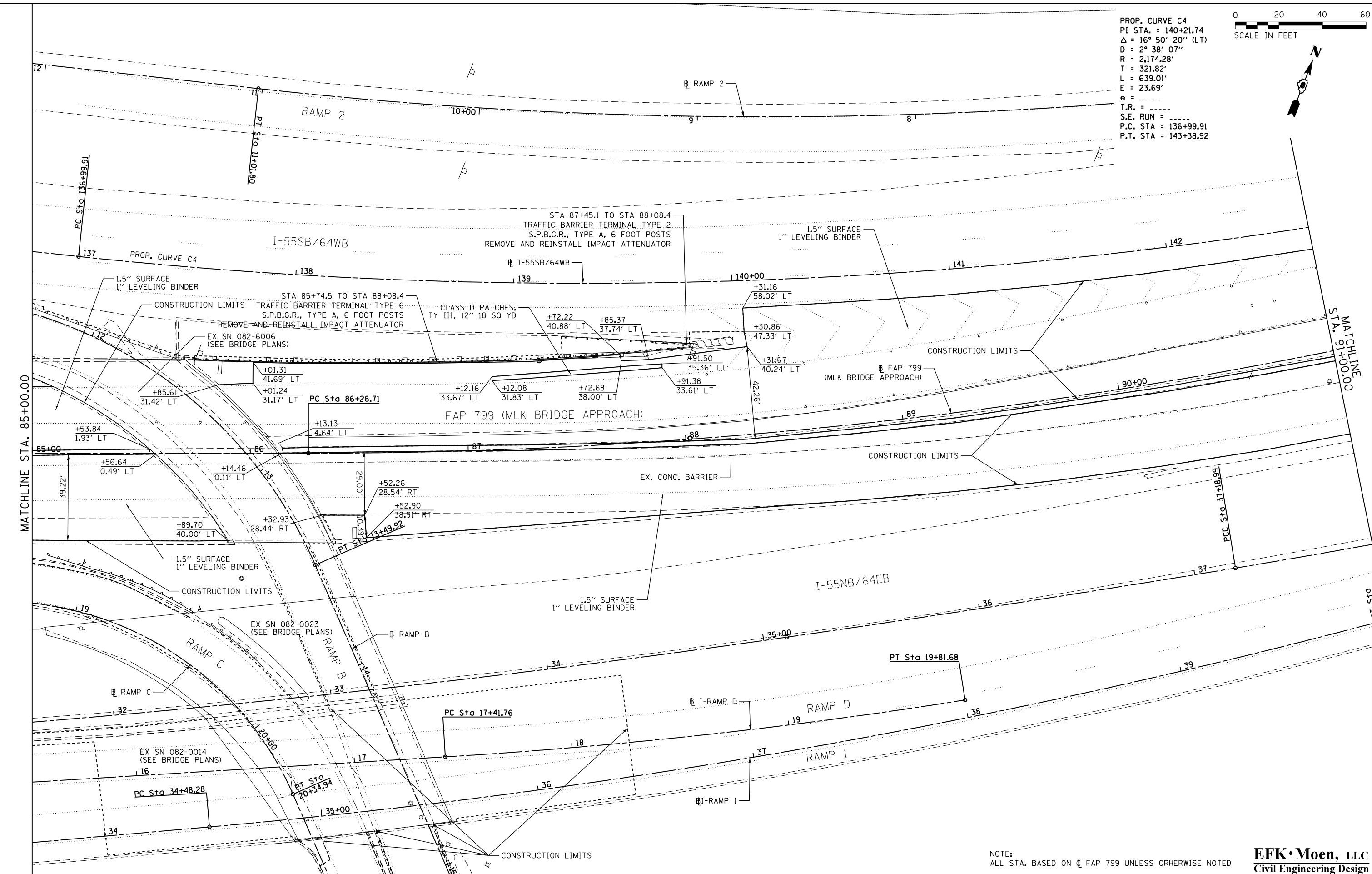
**PLAN  
FAP 799**  
SCALE: 1"=20'  
SHEET 8 OF 21 SHEETS  
STA. 79+50.00 TO STA. 85+00.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY	TOTAL SHEETS 315	SHEET NO. 48
ST. CLAIR			CONTRACT NO. 76C39	
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design



PROP. CURVE C4  
 PI STA. = 140+21.74  
 $\Delta = 16^\circ 50' 20''$  (LT)  
 $D = 2^\circ 38' 07''$   
 $R = 2,174.28'$   
 $T = 321.82'$   
 $L = 639.01'$   
 $E = 23.69'$   
 $e = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$   
 P.C. STA = 136+99.91  
 P.T. STA = 143+38.92



NOTE:  
 ALL STA. BASED ON  $\text{CL}$  FAP 799 UNLESS OTHERWISE NOTED

**EFK Moen, LLC**  
 Civil Engineering Design

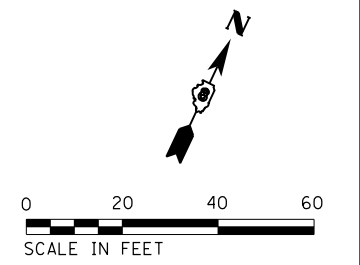
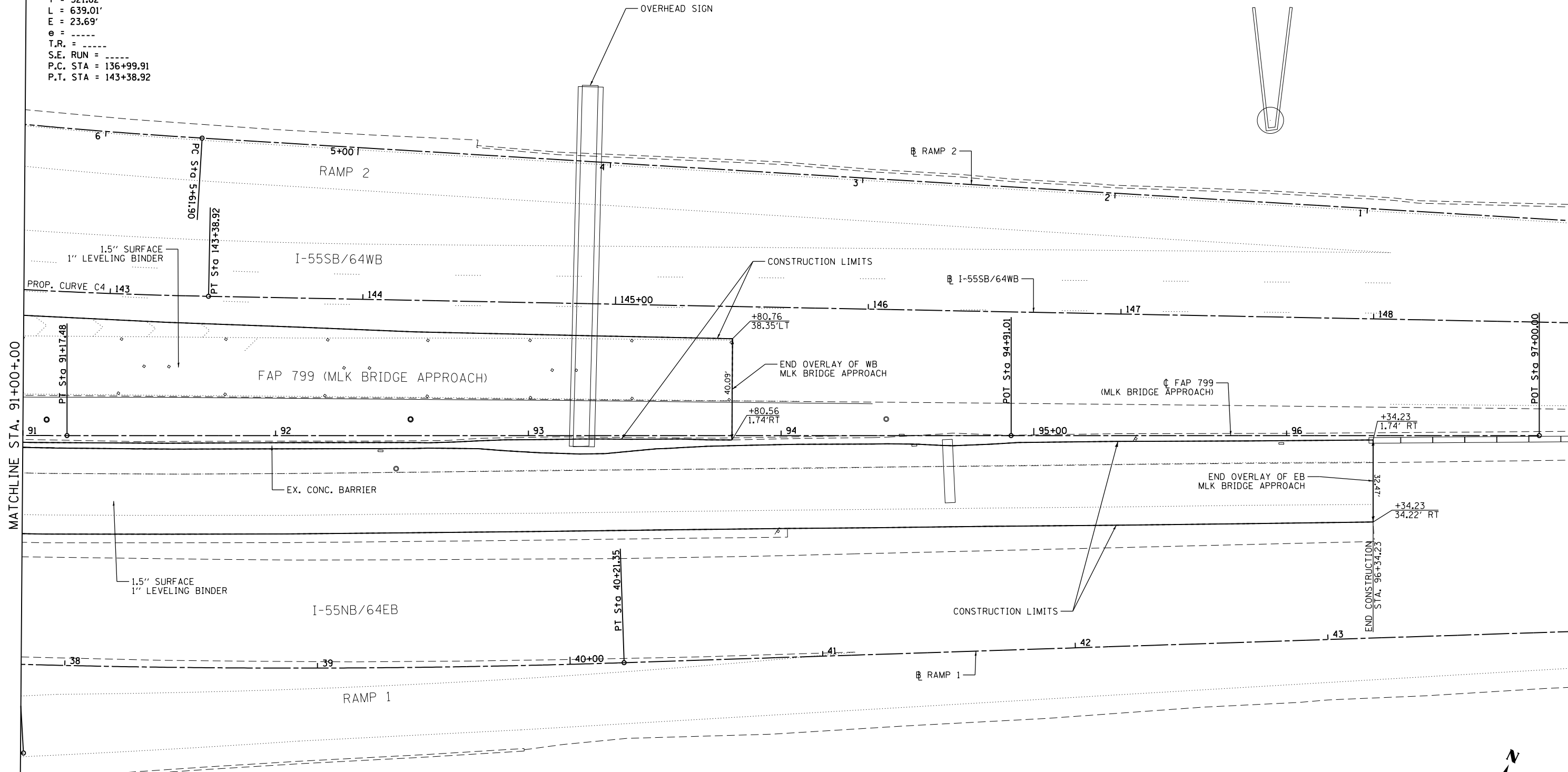
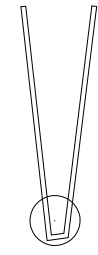
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PLAN</b>		F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>FAP 799</b>		799		IBR-1-1	ST. CLAIR	315	49
SCALE: 1"=20'	SHEET 9 OF 21 SHEETS	STA. 85+00.00 TO STA. 91+00.00		CONTRACT NO. 76C39			

ILLINOIS FED. AID PROJECT

PROP. CURVE C4  
 PI STA. = 140+21.74  
 $\Delta = 16^\circ 50' 20''$  (LT)  
 $D = 2^\circ 38' 07''$   
 $R = 2,174.28'$   
 $T = 321.82'$   
 $L = 639.01'$   
 $E = 23.69'$   
 $e =$  -----  
 $T.R. =$  -----  
 $S.E. RUN =$  -----  
 $P.C. STA = 136+99.91$   
 $P.T. STA = 143+38.92$



NOTE:  
 ALL STA. BASED ON  $\phi$  FAP 799 UNLESS OTHERWISE NOTED

**EFK·Moen, LLC**  
 Civil Engineering Design

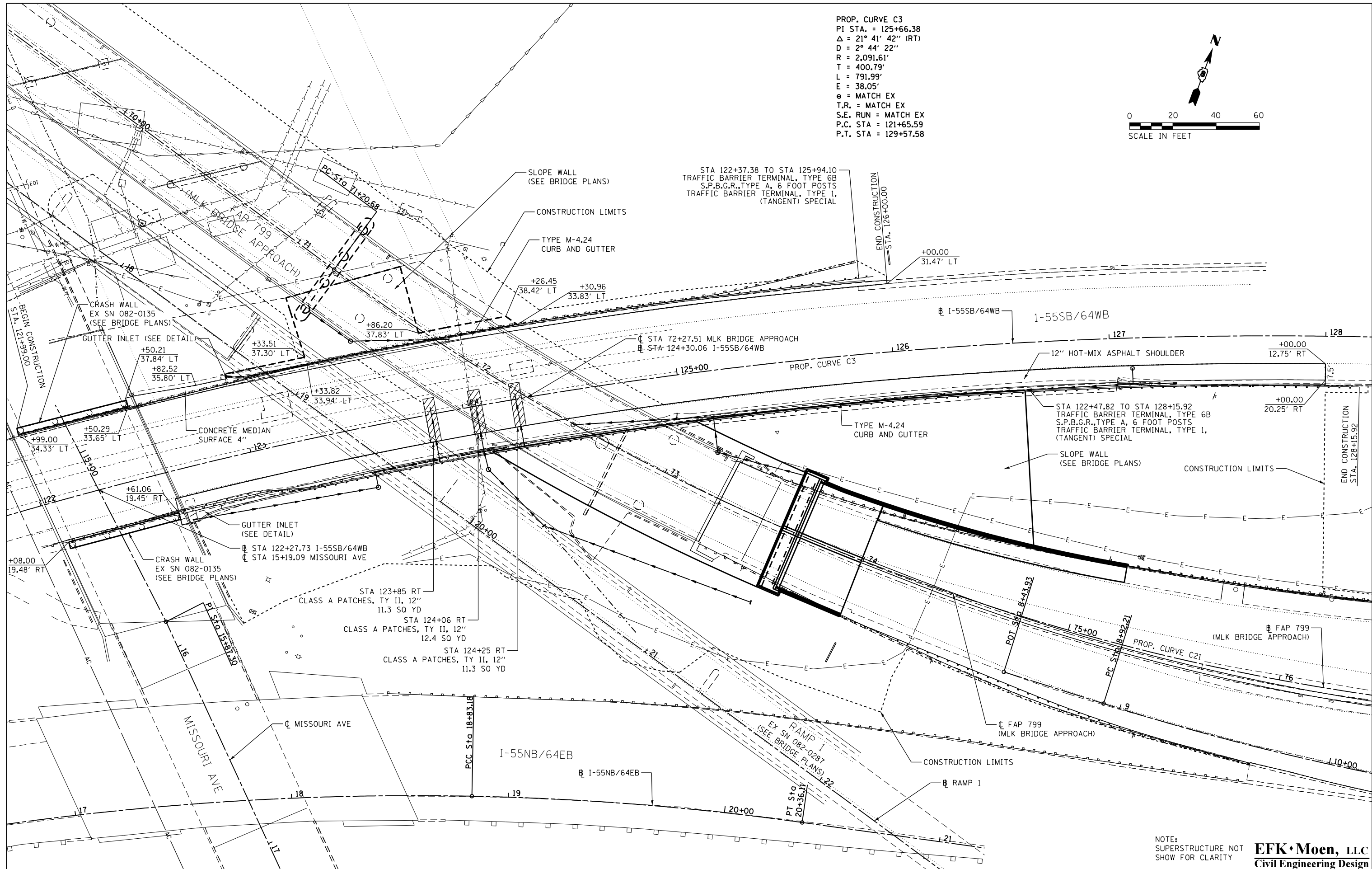
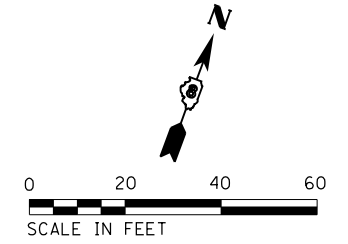
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN**  
**FAP 799**  
 SCALE: 1"=20' SHEET 10 OF 21 SHEETS STA. 91+00.00 TO STA. 97+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	50
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

PROP. CURVE C3  
 PI STA. = 125+66.38  
 $\Delta = 21^\circ 41' 42''$  (RT)  
 $D = 2^\circ 44' 22''$   
 $R = 2,091.61'$   
 $T = 400.79'$   
 $L = 791.99'$   
 $E = 38.05'$   
 e = MATCH EX  
 T.R. = MATCH EX  
 S.E. RUN = MATCH EX  
 P.C. STA = 121+65.59  
 P.T. STA = 129+57.58



STA 122+37.38 TO STA 125+94.10  
 TRAFFIC BARRIER TERMINAL, TYPE 6B  
 S.P.B.G.R. TYPE A, 6 FOOT POSTS  
 TRAFFIC BARRIER TERMINAL, TYPE 1,  
 (TANGENT) SPECIAL

STA 122+47.82 TO STA 128+15.92  
 TRAFFIC BARRIER TERMINAL, TYPE 6B  
 S.P.B.G.R. TYPE A, 6 FOOT POSTS  
 TRAFFIC BARRIER TERMINAL, TYPE 1,  
 (TANGENT) SPECIAL

STA 123+85 RT  
 CLASS A PATCHES, TY II, 12"  
 11.3 SQ YD  
 STA 124+06 RT  
 CLASS A PATCHES, TY II, 12"  
 12.4 SQ YD  
 STA 124+25 RT  
 CLASS A PATCHES, TY II, 12"  
 11.3 SQ YD

NOTE:  
 SUPERSTRUCTURE NOT  
 SHOW FOR CLARITY

**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 031-D876039-sh1-pln11.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -
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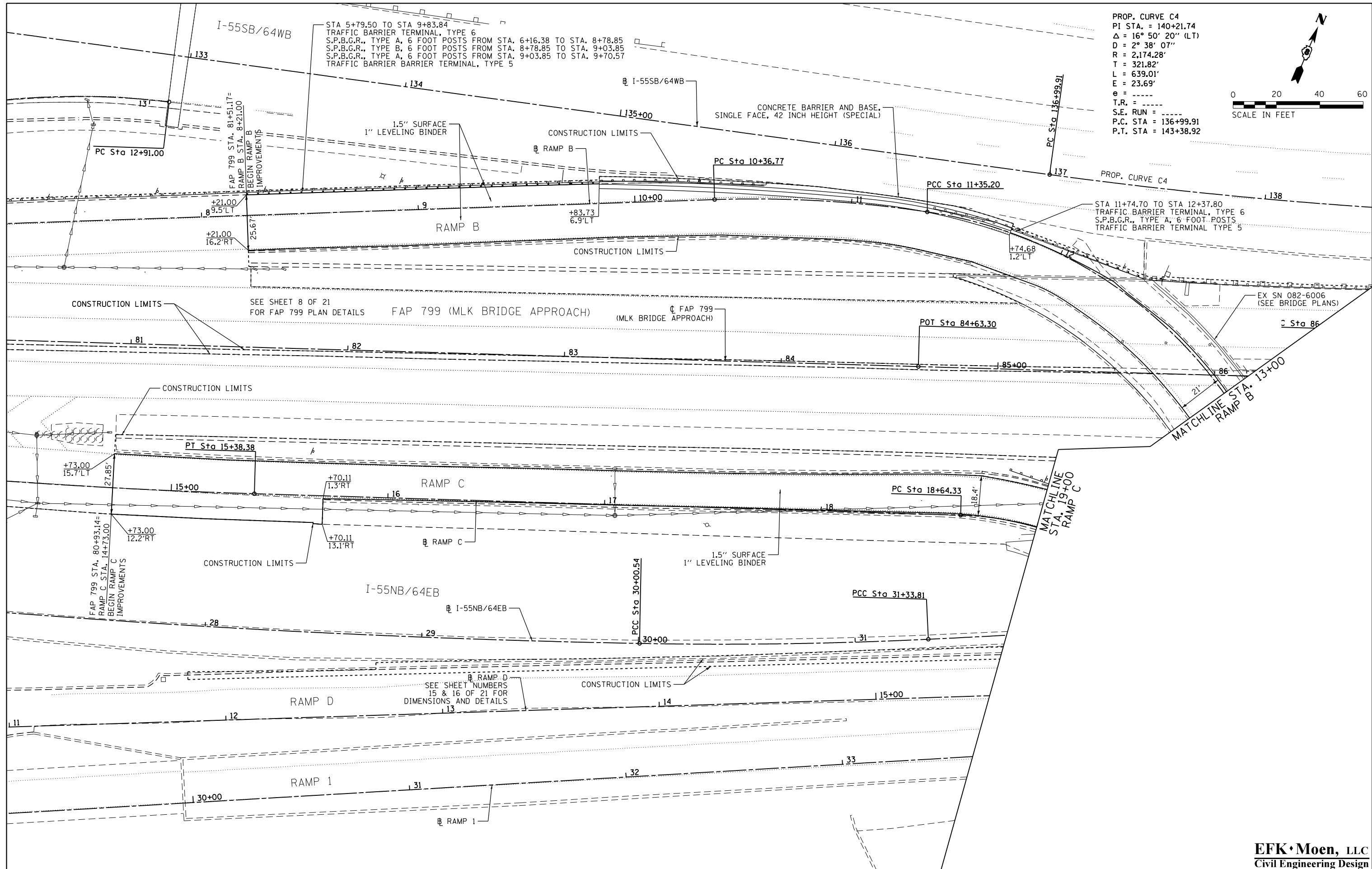
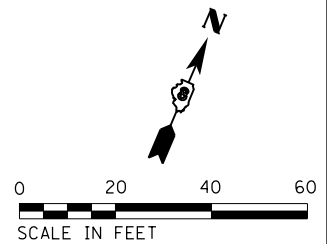
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN  
**I-55SB / 64WB**  
 SCALE: 1"=20'  
 SHEET 11 OF 21 SHEETS  
 STA. 122+00.00 TO STA. 128+00.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 51
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	



PROP. CURVE C4  
 PI STA. = 140+21.74  
 $\Delta = 16^\circ 50' 20''$  (LT)  
 $D = 2^\circ 38' 07''$   
 $R = 2,174.28'$   
 $T = 321.82'$   
 $L = 639.01'$   
 $E = 23.69'$   
 $e = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA} = 136+99.91$   
 $P.T. \text{ STA} = 143+38.92$



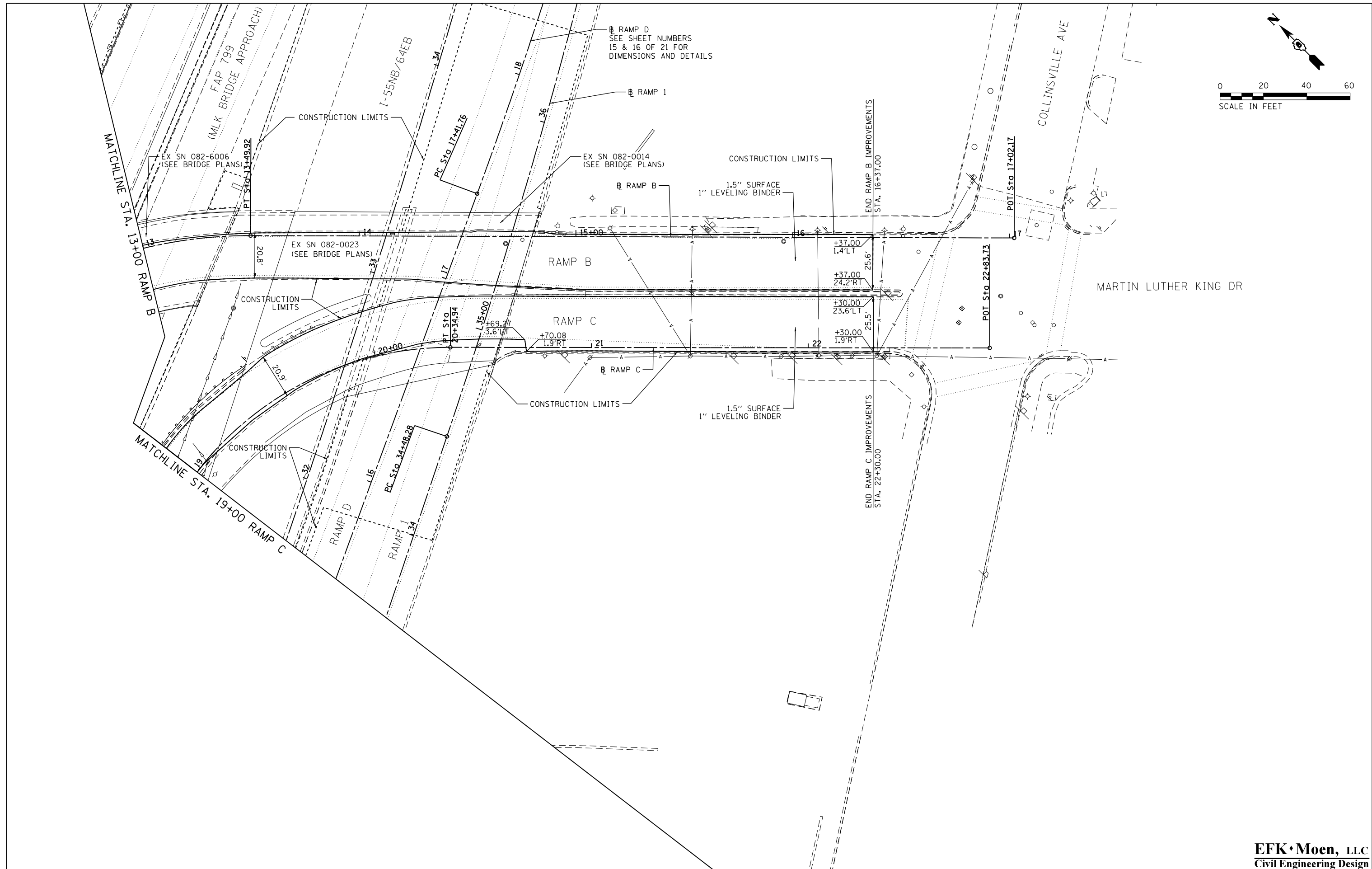
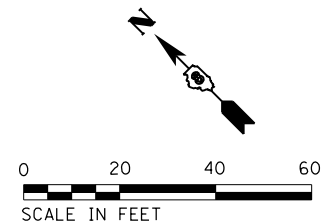
**EFK Moen, LLC**  
 Civil Engineering Design

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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN**  
**RAMP B & RAMP C**  
 SCALE: 1"=20' SHEET 13 OF 21 SHEETS STA. 7+10.00 TO STA. 13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	53
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				



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 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
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 REVISED -

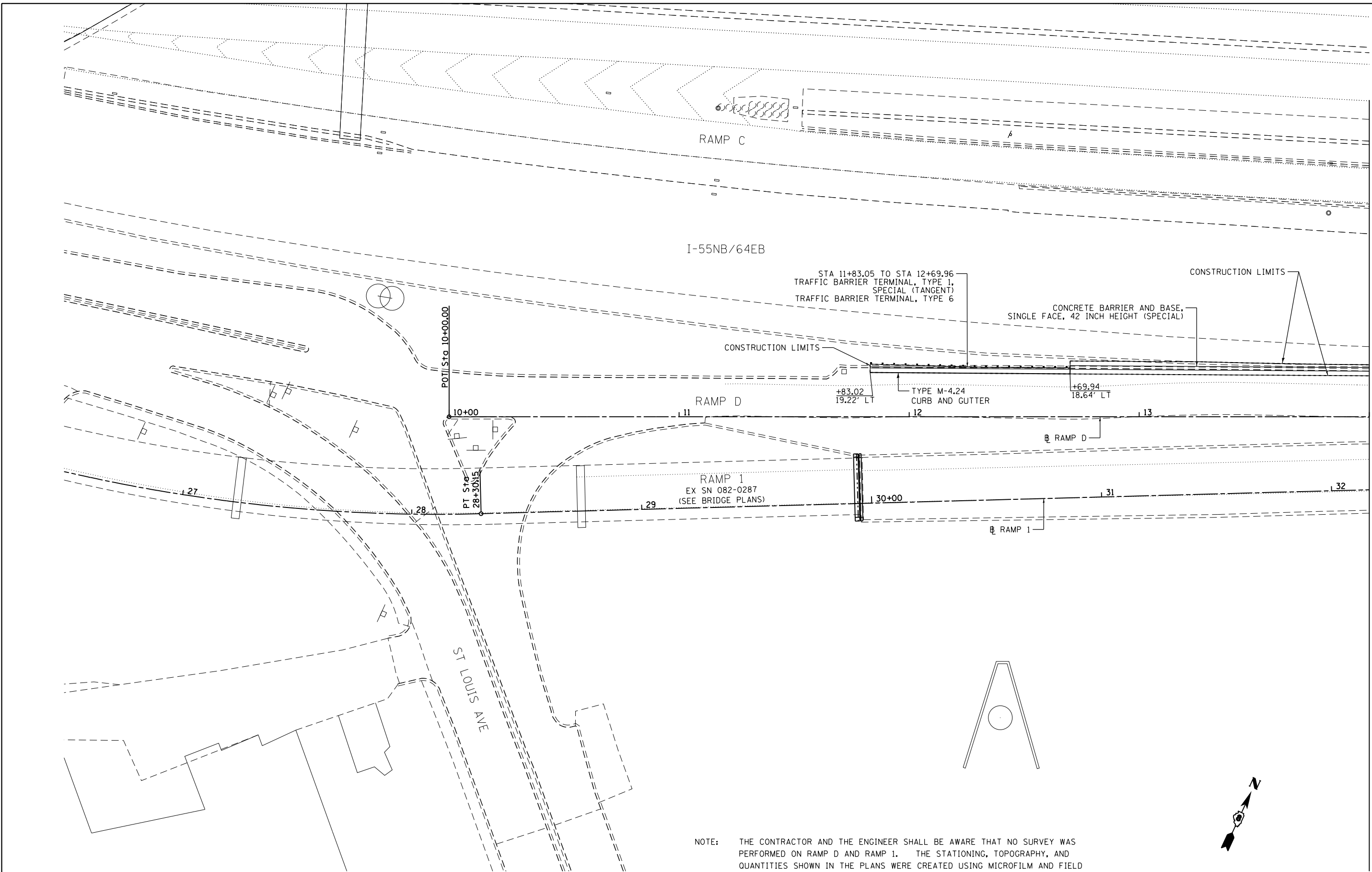
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN  
 RAMP B & RAMP C**

SCALE: 1"=20'    SHEET 14 OF 21 SHEETS    STA. 13+00.00 TO STA. 17+02.17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	54
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK·Moen, LLC**  
 Civil Engineering Design



NOTE: THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED ON RAMP D AND RAMP 1. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



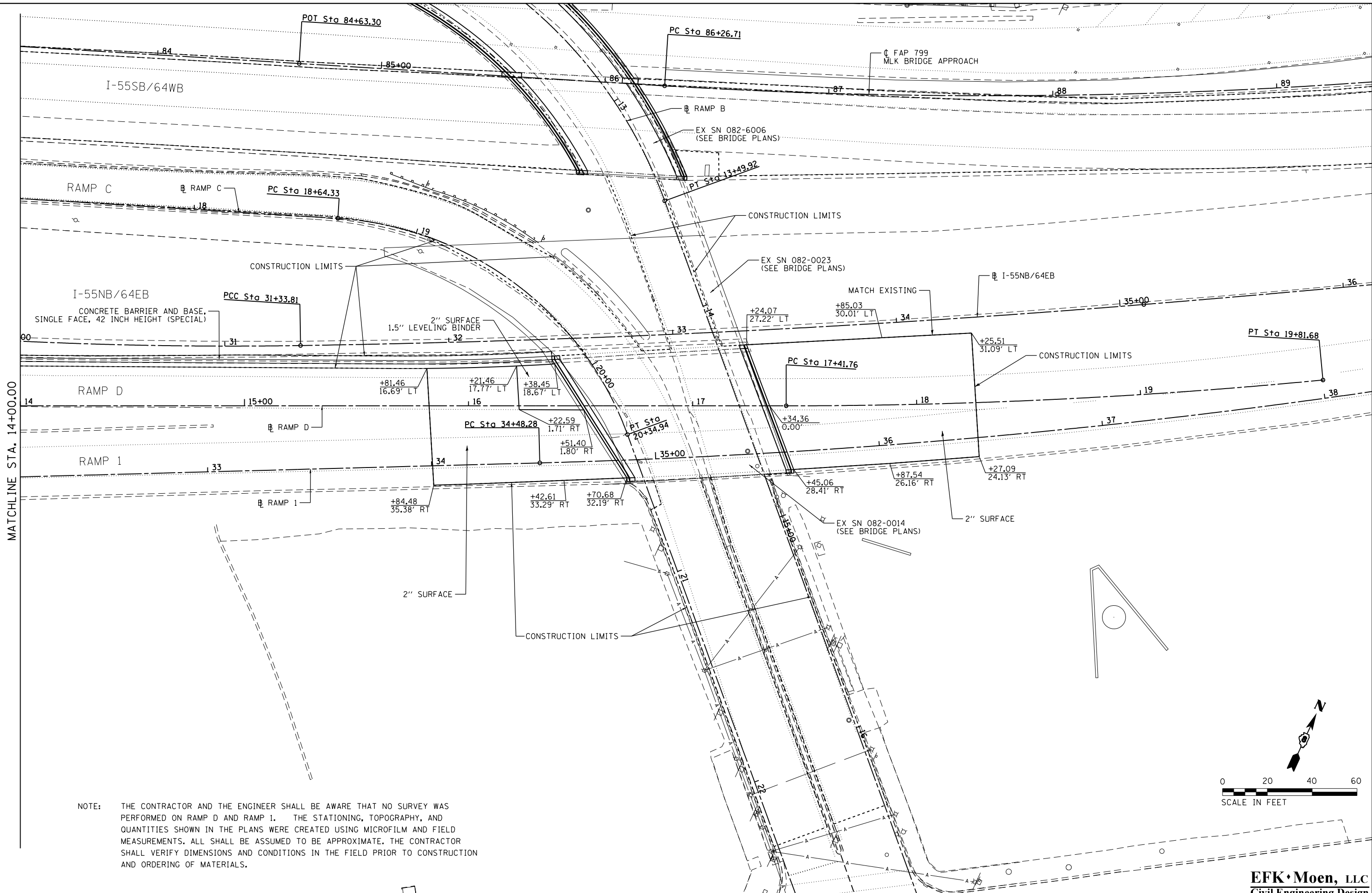
**EFK Moen, LLC**  
Civil Engineering Design

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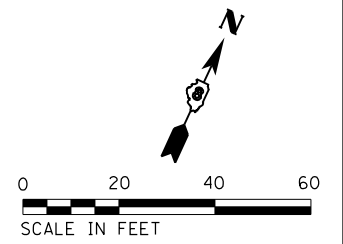
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN RAMP D</b>	
SCALE: 1"=20'	SHEET 15 OF 21 SHEETS
STA. 10+00.00	TO STA. 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	55
CONTRACT NO. 76G39			ILLINOIS FED. AID PROJECT	



NOTE: THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED ON RAMP D AND RAMP 1. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



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 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN  
 RAMP D**  
 SCALE: 1"=20'  
 SHEET 16 OF 21 SHEETS  
 STA. 14+00.00 TO STA. 19+81.68

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	56
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

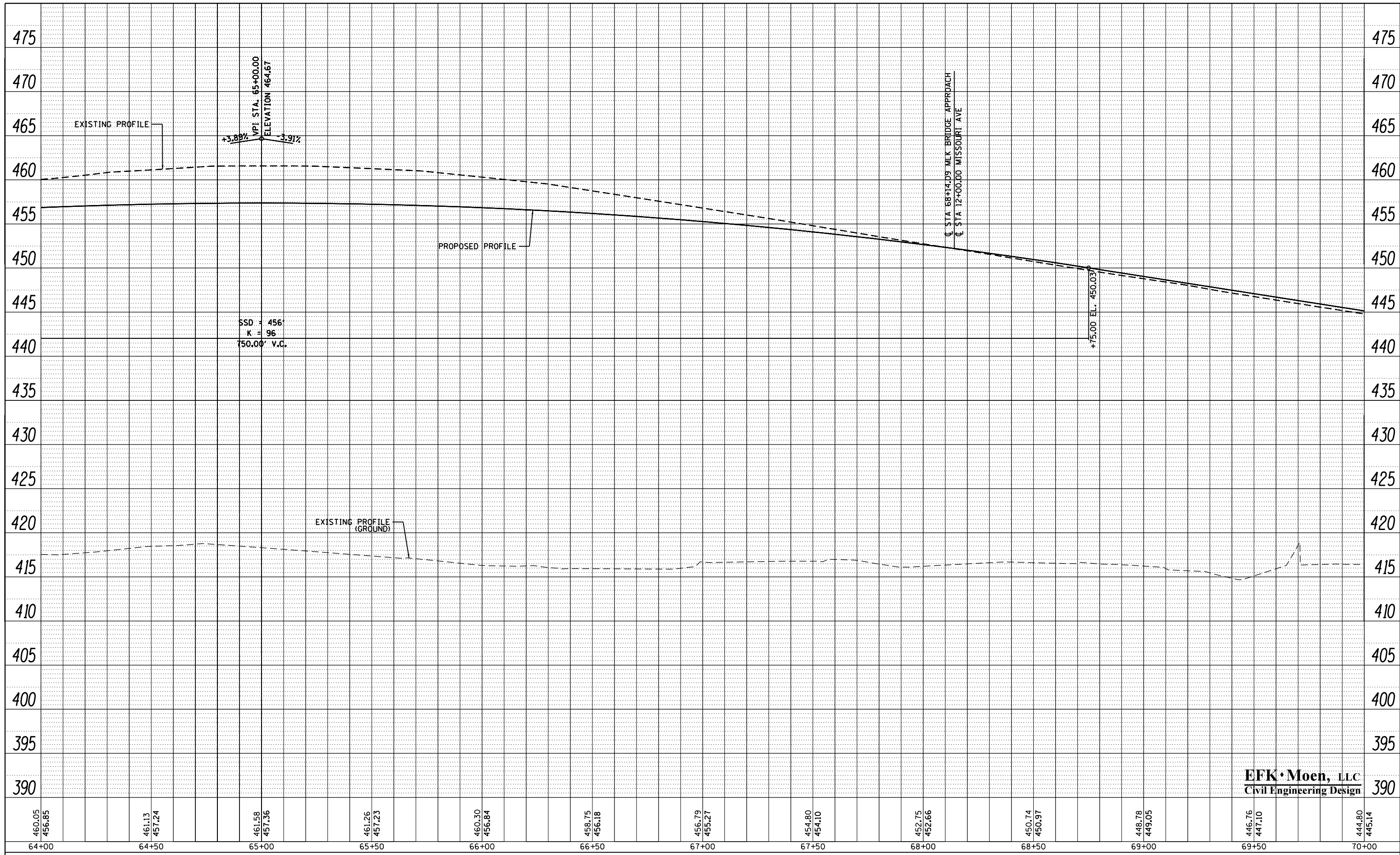
**EFK·Moen, LLC**  
 Civil Engineering Design





PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 037-039-0876639-sht-pr f17-MLK.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

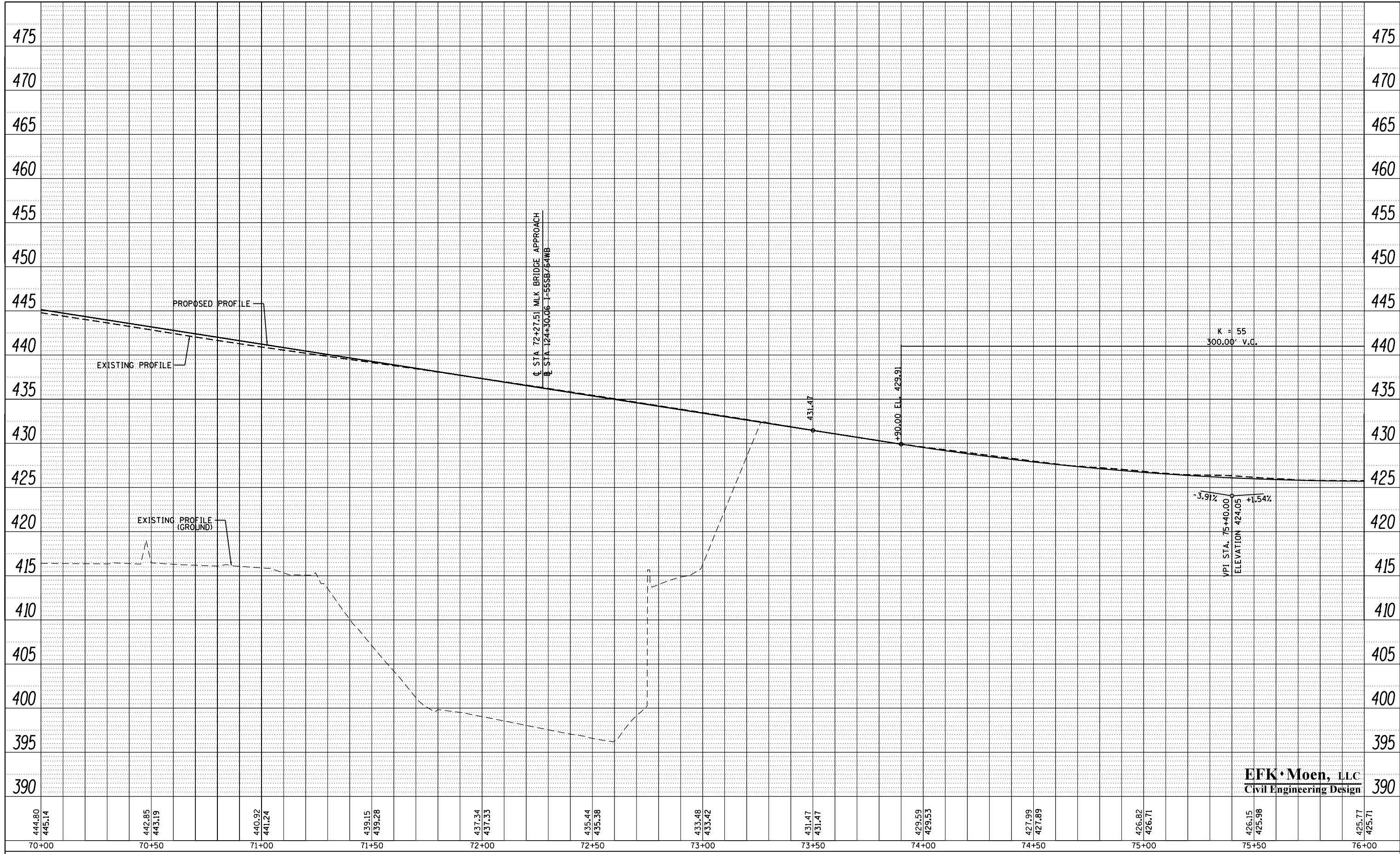
SCALE: 20'H:5'V	SHEET 18 OF 21 SHEETS	STA. 64+00.00 TO STA. 70+00.00
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**PROFILE**  
**FAP 799**

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 58
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
NOTE BOOK NO.	CARD 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 = jd	DESIGNED - JRD	REVISED -
037-039-0876639-sht-pr f17-MLK.dgn		DRAWN - JRD	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

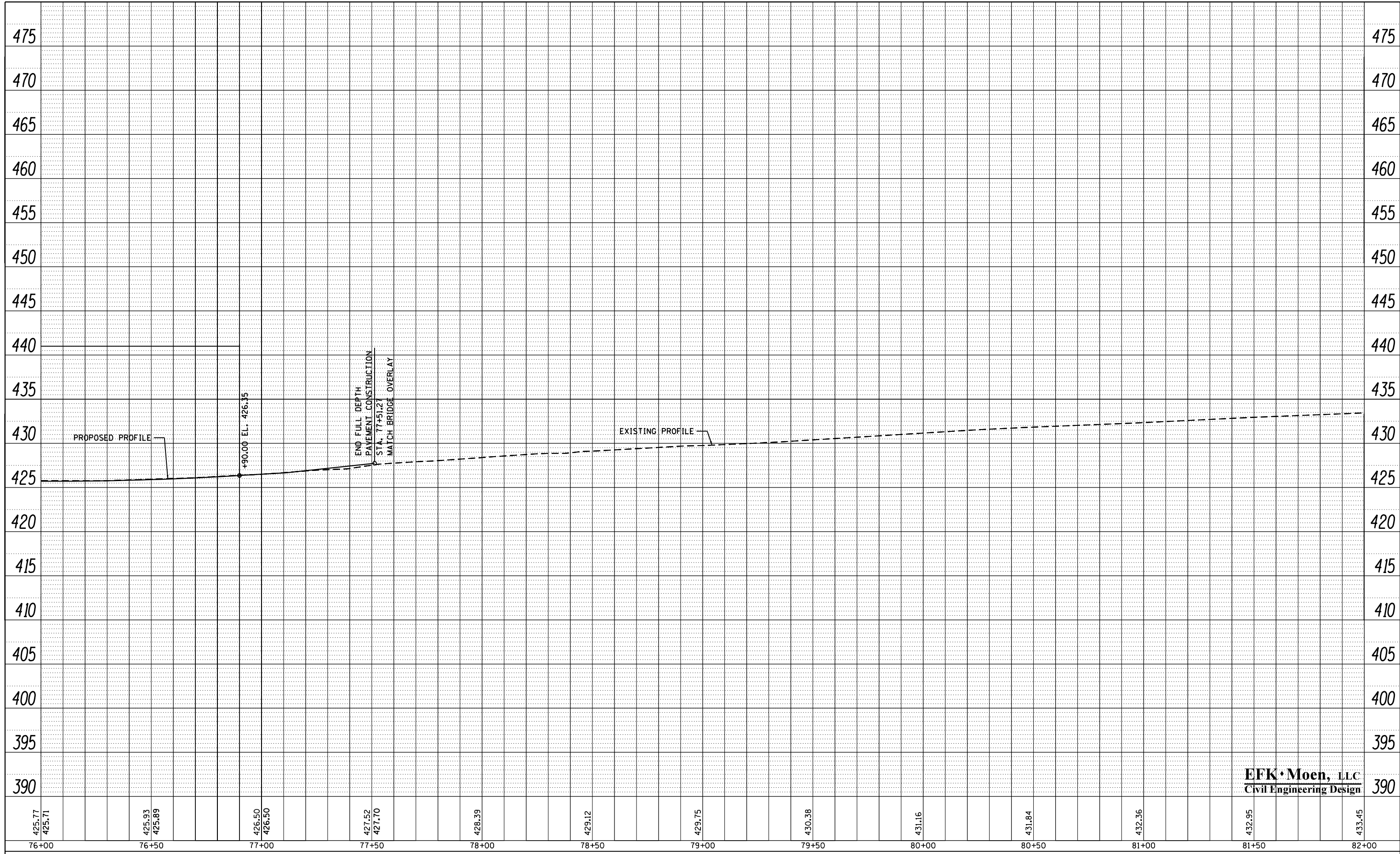
SCALE: 20'H=5'V	SHEET 19 OF 21 SHEETS	STA. 70+00.00 TO STA. 76+00.00
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**PROFILE  
FAP 799**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	59
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		



**EFK Moen, LLC**  
Civil Engineering Design

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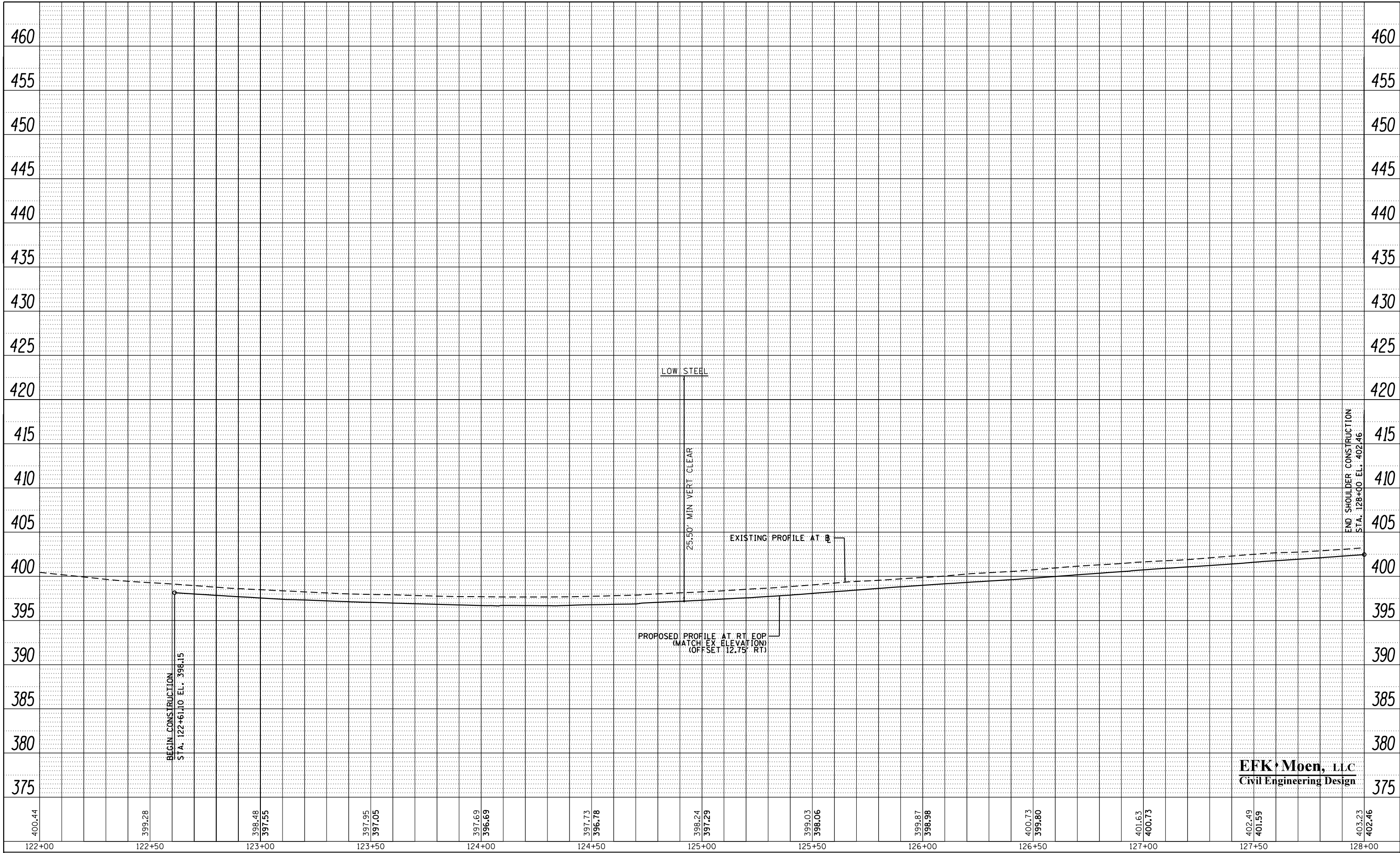
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 20'H=5'V	SHEET 20 OF 21 SHEETS	PROFILE FAP 799	STA. 76+00.00 TO STA. 82+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	60
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

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

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



**EFK Moen, LLC**  
Civil Engineering Design

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PLOT DATE = 3/22/2018

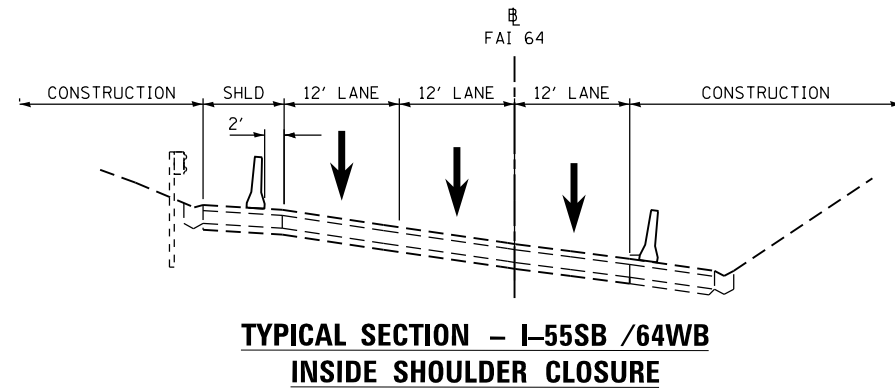
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DRAWN -	JRD	REVISED -	
CHECKED -	SLD	REVISED -	
DATE -	3/22/2018	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

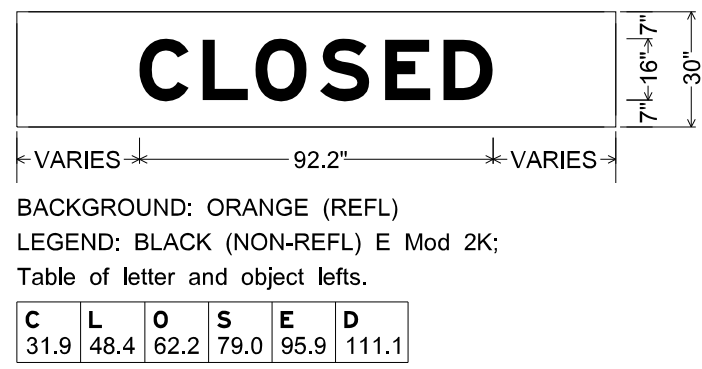
**SHOULDER PROFILE**  
**I-55SB /64WB**  
SCALE: 20'H:5'V SHEET 21 OF 21 SHEETS STA. 122+00.00 TO STA. 128+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	61
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

- NOTES:
- ALL TRAFFIC CONTROL DEVICES AND SIGNAGE NECESSARY TO CLOSE THE MLK BRIDGE, MLK BRIDGE APPROACH, AND RAMPS SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
  - COVER ALL DETOUR SIGNING NOT APPLICABLE WITH THE SEQUENCE OF CONSTRUCTION.
  - COORDINATION WITH THE CITY OF ST. LOUIS (DEANNA VENKER, 314-647-3111) AND MODOT (MICHELLE FORNERIS, 314-453-1799) IS NECESSARY FOR DETOUR SIGN PLACEMENT.
  - COORDINATION WITH THE RAILROAD, THE PUMP STATION, AND DEEP WELL FACILITY IS NECESSARY FOR THE CLOSURE OF MISSOURI AVENUE:  
RAILROAD -  
UNION PACIFIC RAILROAD COMPANY:  
JORDON ALBERS (314) 331-0682  
TERMINAL RAILROAD ASSOC. OF ST. LOUIS:  
ERIC FIELDS (618) 451-8428  
PUMP STATION & DEEP WELL FACILITY -  
PETE SAWYER (618) 346-3275
  - INSTALL "CLOSED" SHIELDS OVER ALL MLK BRIDGE OVERHEAD SIGNS IN THE CITY OF ST. LOUIS AS SHOWN IN THE TABLE AND AT LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLAN OR AT THE DIRECTION OF THE ENGINEER.
  - INSTALL 37.5' OF TEMPORARY CONCRETE BARRIER AT THE WEST END OF THE MLK BRIDGE 100' BEYOND THE TYPE III BARRICADES TO CLOSE ACCESS TO THE BRIDGE.
  - FOUR WEEKS PRIOR TO ANY LANE CLOSURE THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
  - CMS SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURES AND SHALL BE PLACED AS SHOWN ON THE PLANS OR AT THE DIRECTION OF THE ENGINEER. ALL MESSAGES SHOWN ON THE CMS SHALL BE APPROVED BY THE ENGINEER.
  - FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCROACHING INTO THE LANE OF TRAFFIC.



CHANGEABLE MESSAGE SIGNS				NEEDED	USE FROM ON SITE	TOTAL FOR CONTRACT	NOTES
TWO WEEK ADVANCED WARNING OF MLK BRIDGE CLOSURE							
	I-64WB		1	0	1		
	I-55SB		1	0	1		
	I-70EB		1	0	1		
I-55SB / 64WB - NIGHTTIME LANE CLOSURES (4 NIGHTS PERMITTED)							
	I-64WB		1	1	0		USE TWO WEEK ADVANCED WARNING OF MLK BRIDGE CLOSURE
	I-55SB		1	1	0		USE TWO WEEK ADVANCED WARNING OF MLK BRIDGE CLOSURE
I-55SB / 64WB - WEEKEND CLOSURE (4 WEEKENDS PERMITTED)							
	I-55SB/70WB	AT	I-255	1	0	1	
	I-55SB/70WB	AT	I-70WB	1	0	1	
	I-55NB		EAST OF TRILEVEL	1	0	1	
	I-55SB	AT	I-64EB	1	1	0	USE TWO WEEK ADVANCED WARNING OF MLK BRIDGE CLOSURE
	I-64WB	AT	I-255	1	0	1	
	I-64WB	AT	I-55NB/70EB	1	1	0	USE TWO WEEK ADVANCED WARNING OF MLK BRIDGE CLOSURE
	I-64EB	AT	SOUTH OF TRILEVEL	1	0	1	
	I-255NB	AT	I-55/70	1	0	1	
	I-255SB	AT	I-55/70	1	0	1	
	I-255NB	AT	I-64	1	0	1	
	I-255SB	AT	I-64	1	0	1	
	I-255SB	AT	IL-3	1	0	1	
	IL-111SB	AT	I-55/70	1	0	1	
	IL-111NB	AT	I-55/70	1	0	1	
	IL-111SB	AT	I-64	1	0	1	
	IL-111NB	AT	I-64	1	0	1	
	IL-203SB	AT	I-55/70	1	0	1	
	IL-203NB	AT	I-55/70	1	0	1	
	IL-15EB	AT	I-255	1	0	1	
	IL-15WB	AT	I-255	1	0	1	
	IL-157EB	AT	I-255	1	0	1	
	IL-157WB	AT	I-255	1	0	1	
	25TH ST	AT	I-64	2	0	2	
	BAUGH AVE	AT	I-64	1	0	1	
IL-3 / RIVERVIEW DR CONNECTOR - SB LT LANE CLOSURE							
			IL-3SB	1	0	1	
IL-3 / RIVERVIEW DR CONNECTOR - NB LT LANE CLOSURE							
			RIVERVIEW DR	1	0	1	
IL-3 / RIVERVIEW DR CONNECTOR - WEEKEND CLOSURE (2 WEEKENDS PERMITTED)							
			IL-3SB	1	1	0	USE FROM IL-3 / RIVERVIEW DR CONNECTOR - SB LT LANE CLOSURE
			RIVERVIEW DR	1	1	0	USE FROM IL-3 / RIVERVIEW DR CONNECTOR - NB LT LANE CLOSURE
			TOTAL	34	6	28	

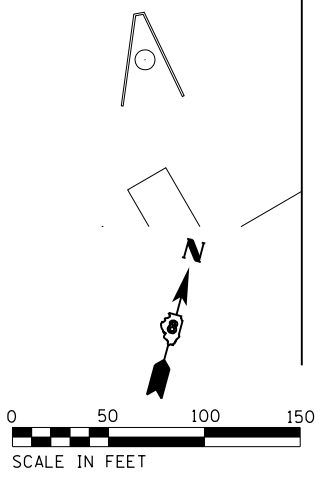
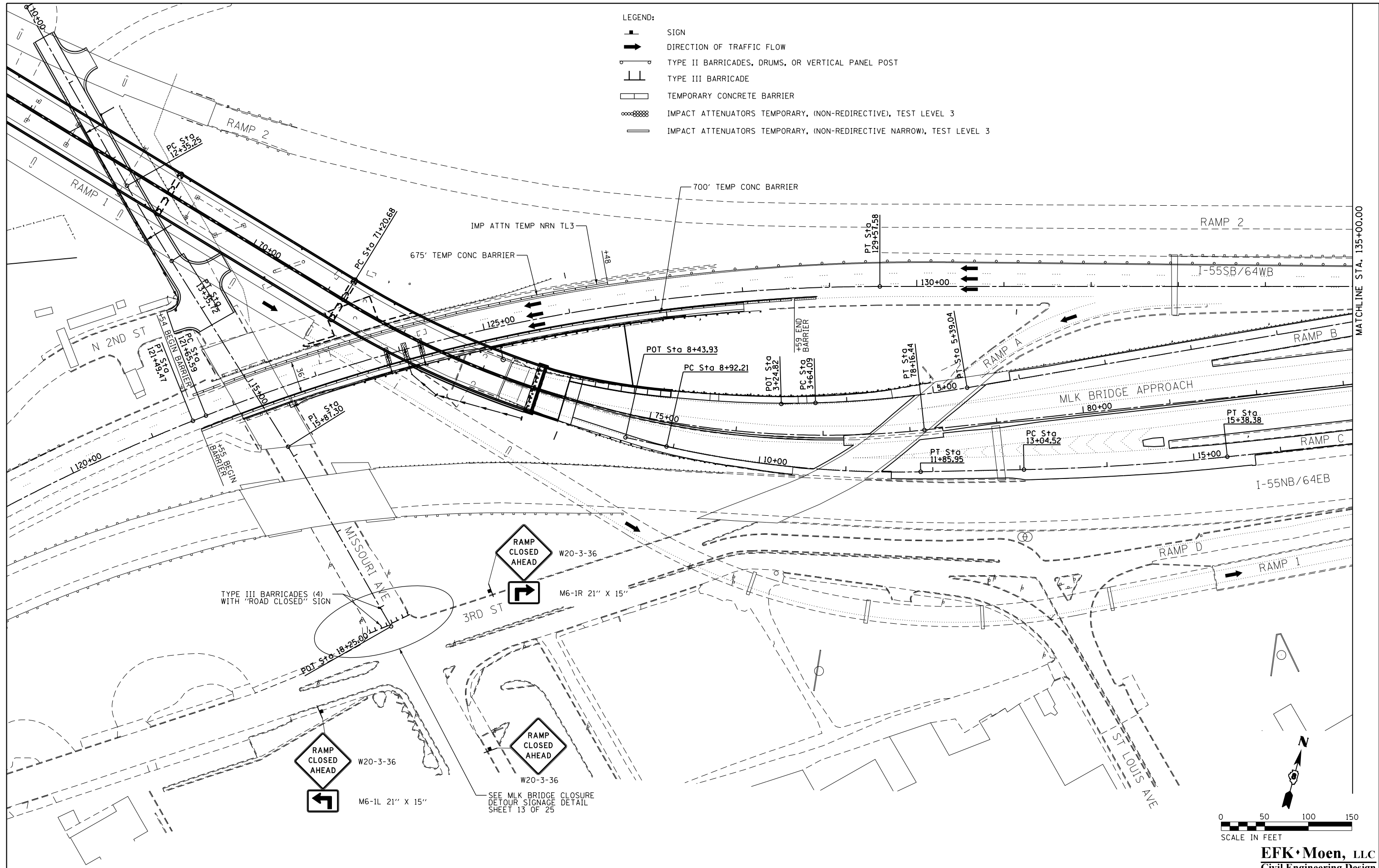


MODIFIED SIGN PANELS - CITY OF ST. LOUIS		
LOCATION	QTY CLOSED PLACARDS*	NOTES
3RD STREET	1	PAST ENTRANCE TO LACLEDE LANDING PARKING LOT
3RD ST / LACLEDE'S LANDING BLVD	2	MIDDLE OVERHEAD SIGN AND LOWER RIGHT PORTION OF RIGHT OVERHEAD SIGN, COVERING "ML KING BRIDGE TO ILLINOIS"
44W / 55S (EXIT 292A 1ST ADVANCE SIGN)	1	LEFT OVERHEAD SIGN COVERING "ML KING BRIDGE TO ILLINOIS"
44W / 55S (EXIT 292A 2ND ADVANCE SIGN)	1	RIGHT OVERHEAD SIGN COVERING "ML KING BRIDGE TO ILLINOIS"
EXIT 292A (1ST OVERHEAD SIGN)	1	COVERING "ML KING BRIDGE TO ILLINOIS"
EXIT 292A (2ND OVERHEAD SIGN)	2	COVERING "ML KING BRIDGE TO ILLINOIS"
4TH STREET / CONVENTION PLAZA DRIVE	2	TWO FURTHEST RIGHT OVERHEAD SIGNS COVERING "ML KING BRIDGE/TO ILLINOIS"
ON 44W / 55S OVER CONVENTION PLAZA DRIVE	2	TWO LEFT OVERHEAD SIGNS COVERING "ML KING BRIDGE TO ILLINOIS"
TOTAL	12	

\* SEE TCP PLAN SHEETS FOR ADDITIONAL INSTALLATION LOCATIONS OF THE "CLOSED" PLACARDS

**EFK Moen, LLC**  
Civil Engineering Design

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



FILE NAME = 055-DB76G39-sht-Mot 02-55&64.dgn  
 \*MODELNAME\*

USER NAME = jd  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - JRD  
 DRAWN - MSK  
 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

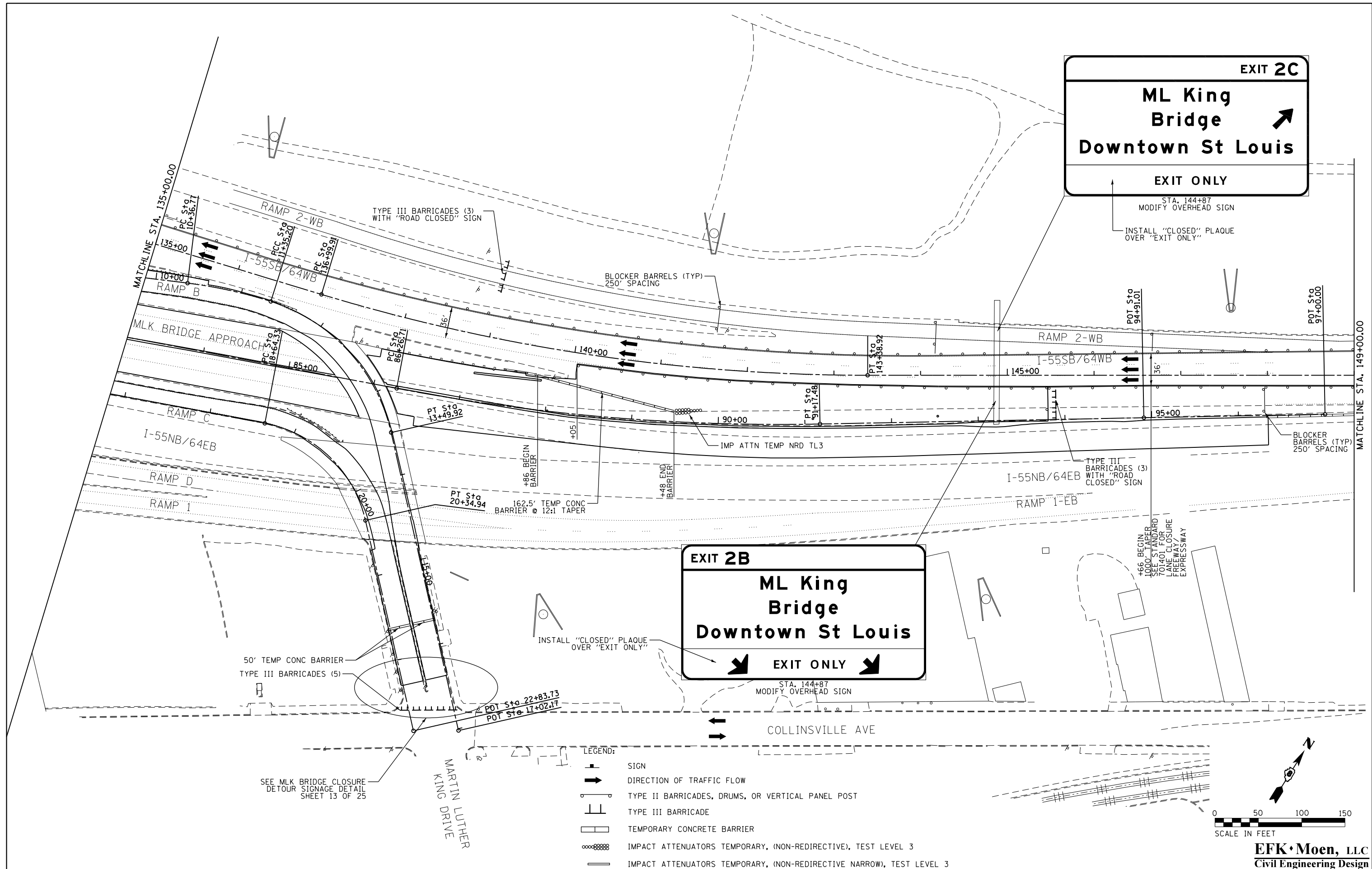
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
 WESTBOUND MLK BRIDGE CLOSURE**

SCALE: 1" = 50' SHEET 2 OF 25 SHEETS STA. TO STA.

F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 63
			CONTRACT NO. 76G39	
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
 Civil Engineering Design



FILE NAME = 056-DB76039-sht-Mot 03-55&64.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
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		DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

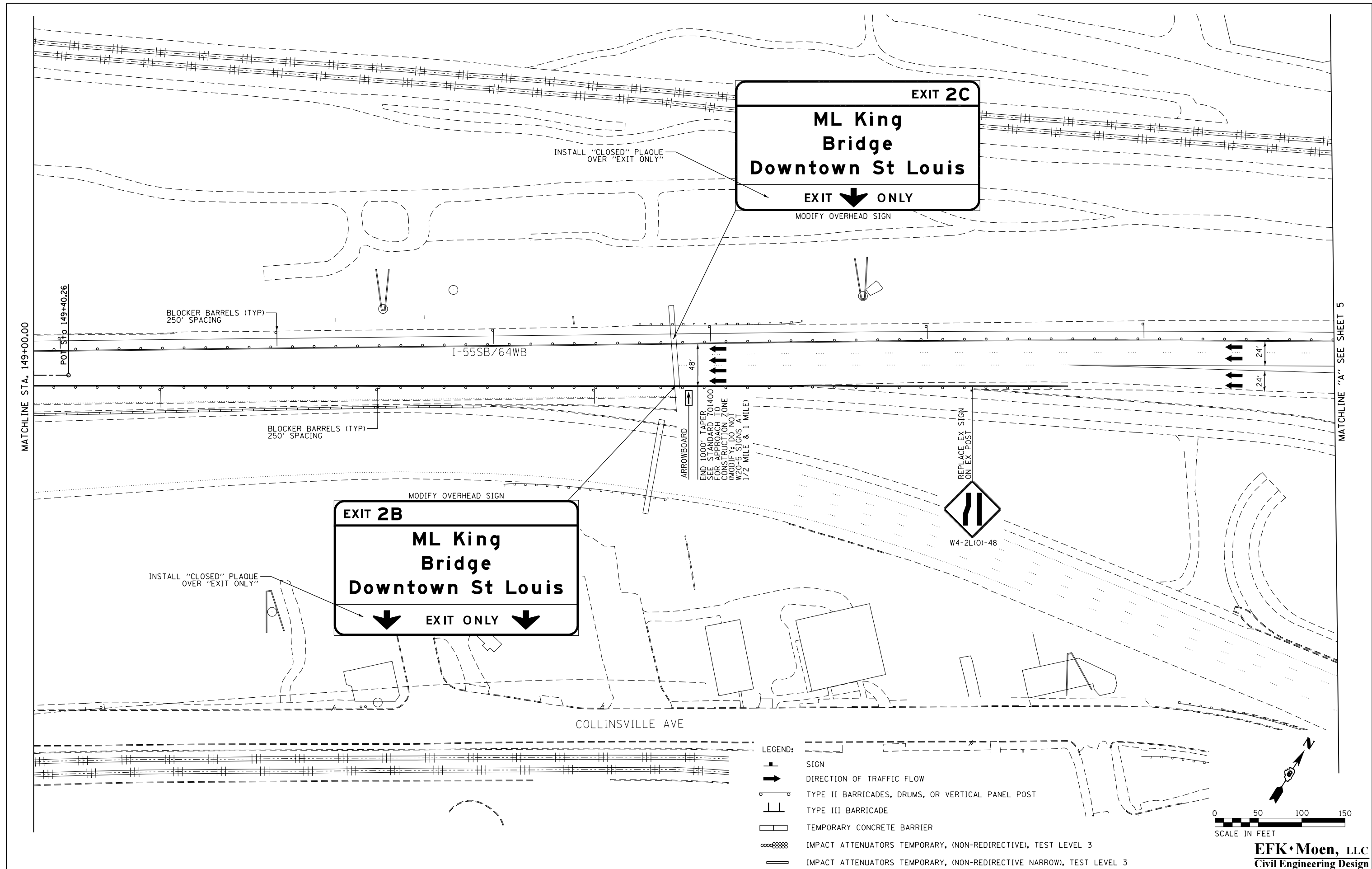
**TRAFFIC CONTROL AND PROTECTION PLAN  
WESTBOUND MLK BRIDGE CLOSURE**

SCALE: 1" = 50'    SHEET 3 OF 25 SHEETS    STA.    TO STA.

F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 64
CONTRACT NO. 78C39			ILLINOIS FED. AID PROJECT	

**EFK·Moen, LLC**  
Civil Engineering Design





MATCHLINE STA. 149+00.00

MATCHLINE "A" SEE SHEET 5








FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

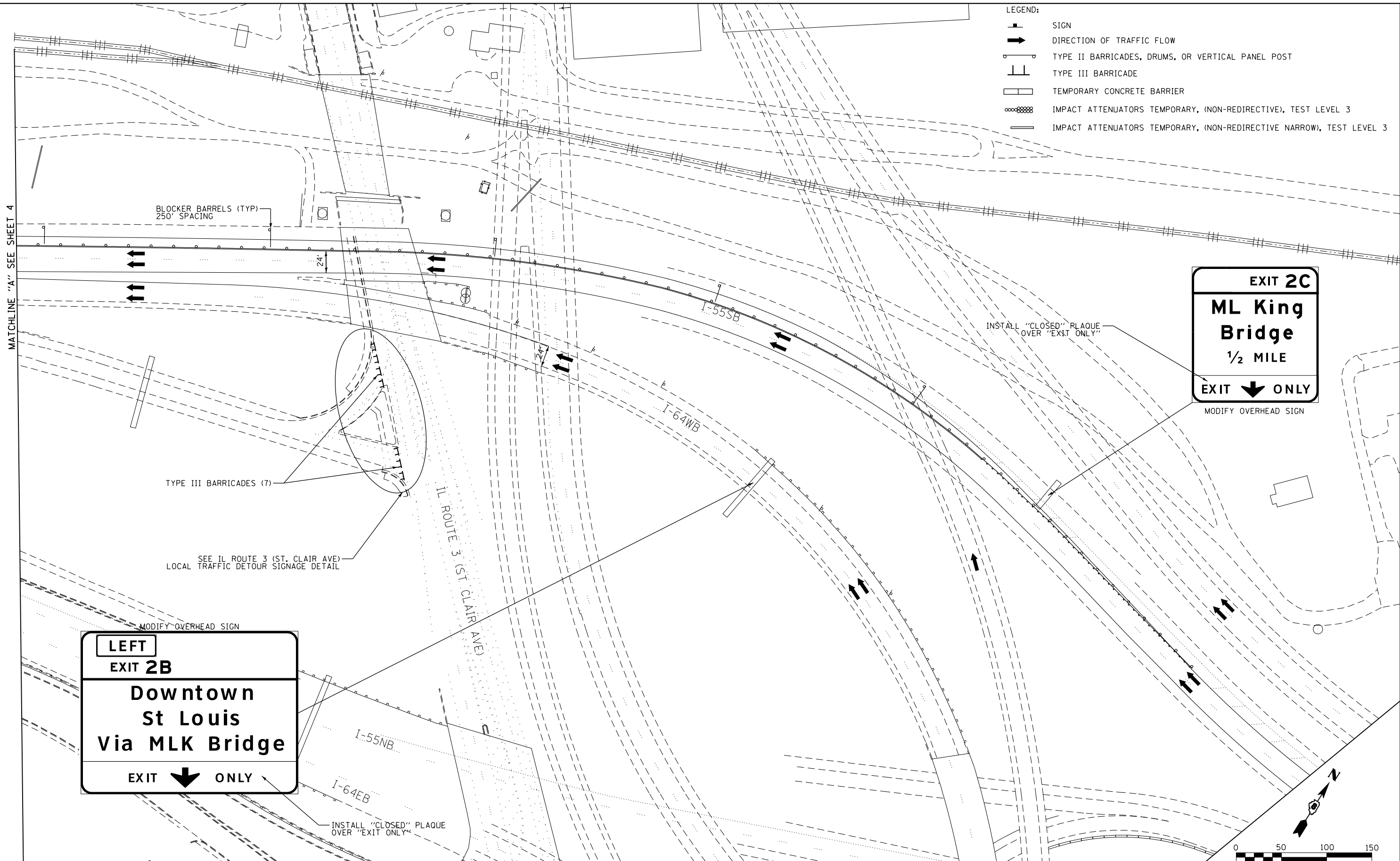
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL AND PROTECTION PLAN</b>	
<b>WESTBOUND MLK BRIDGE CLOSURE</b>	
SCALE: 1" = 50'	SHEET 4 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	65
CONTRACT NO. 78G39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design

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

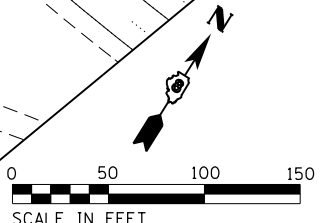


**EXIT 2C**  
**ML King Bridge**  
 1/2 MILE  
**EXIT ↓ ONLY**

MODIFY OVERHEAD SIGN

**LEFT**  
**EXIT 2B**  
**Downtown**  
**St Louis**  
**Via MLK Bridge**  
**EXIT ↓ ONLY**

MODIFY OVERHEAD SIGN



MATCHLINE "B" SEE SHEET 6

FILE NAME = 058-DB76039-sht-Mot 05-55&64.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN**  
**WESTBOUND MLK BRIDGE CLOSURE**

SCALE: 1" = 50' SHEET 5 OF 25 SHEETS STA. TO STA.

F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 66
CONTRACT NO. 78G39			ILLINOIS FED. AID PROJECT	

**EFK Moen, LLC**  
 Civil Engineering Design








SOUTH WEST  
 55 64  
**MLK Bridge  
 Closed  
 DETOUR EXIT 3B**

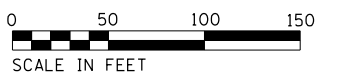
1 MILE EAST &  
 2 MILES EAST OF  
 STANDARD 701400

MATCHLINE "B" SEE SHEET 5

MATCHLINE "C" SEE SHEET 7

LEGEND:

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



SCALE IN FEET  
**EFK Moen, LLC**  
 Civil Engineering Design

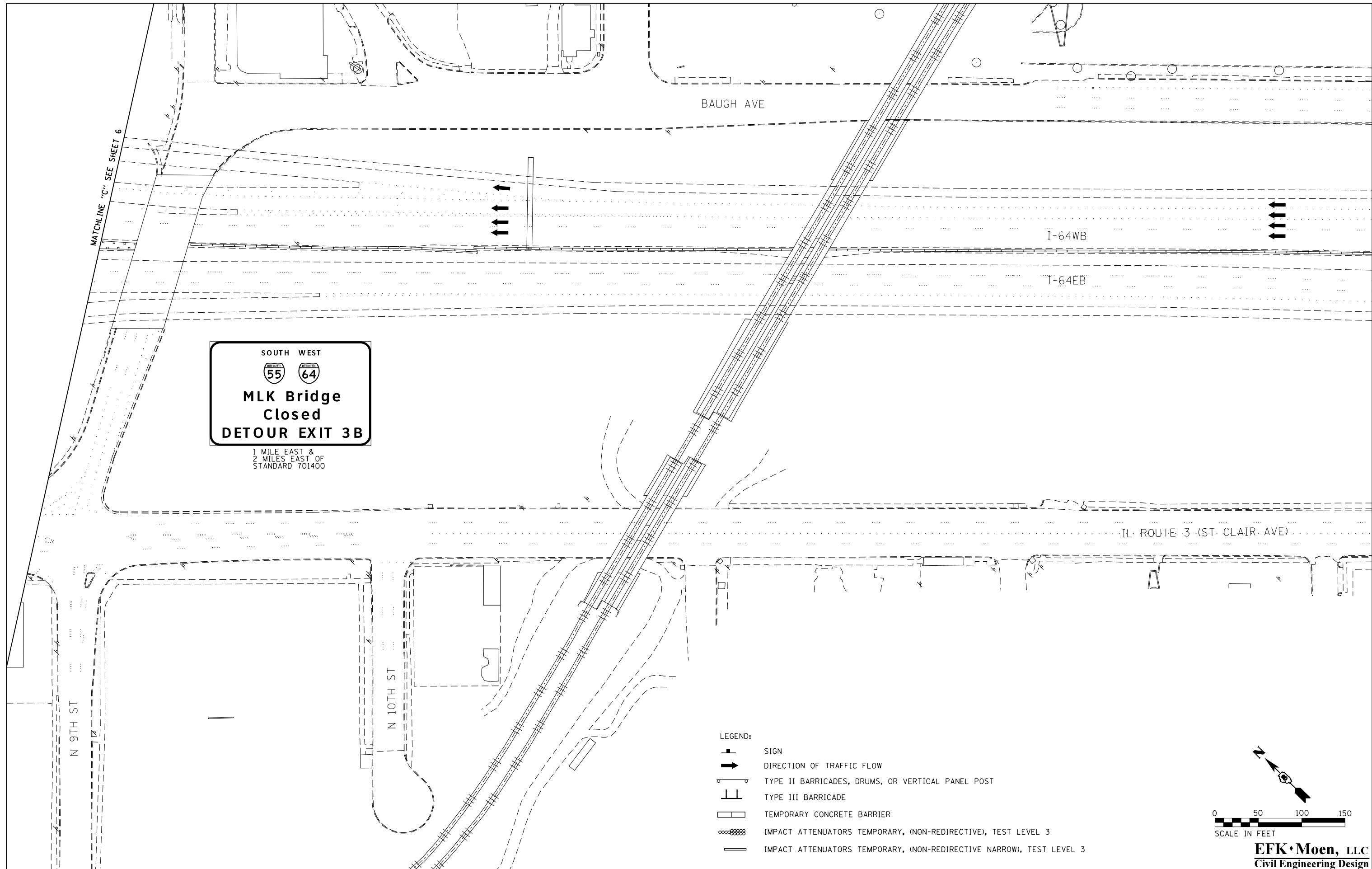
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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN  
 WESTBOUND MLK BRIDGE CLOSURE

SCALE: 1" = 50' SHEET 6 OF 25 SHEETS STA. TO STA.

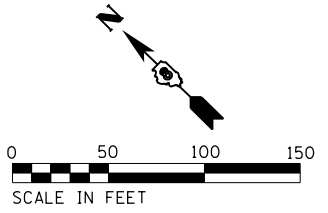
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST. CLAIR	315	67
CONTRACT NO. 79C39				
ILLINOIS FED. AID PROJECT				



SOUTH WEST  
  
**MLK Bridge  
 Closed  
 DETOUR EXIT 3B**

1 MILE EAST &  
 2 MILES EAST OF  
 STANDARD 701400

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



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*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
 WESTBOUND MLK BRIDGE CLOSURE**

SCALE: 1" = 50'    SHEET 7 OF 25 SHEETS    STA.    TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST. CLAIR	315	68
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

**EFK·Moen, LLC**  
 Civil Engineering Design

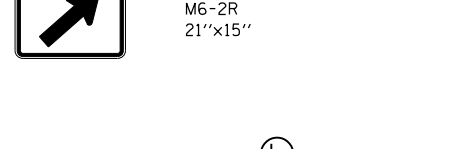
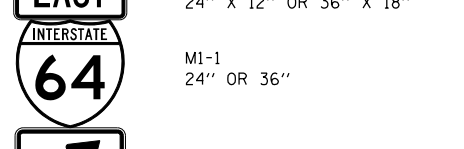
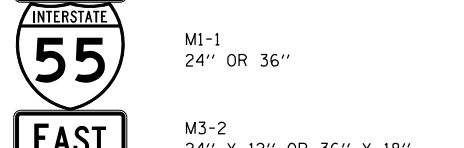
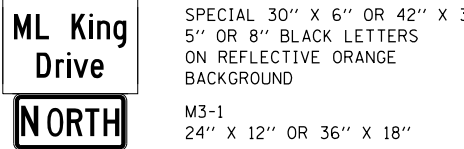
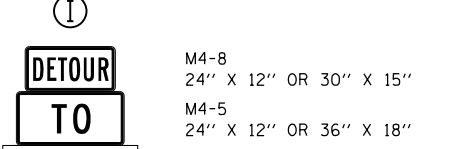
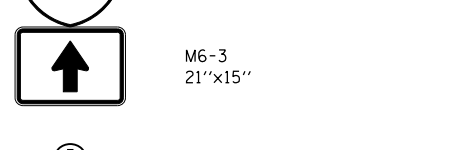
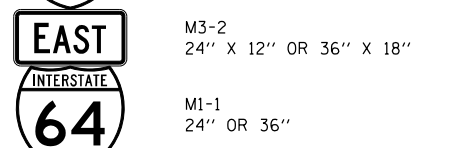
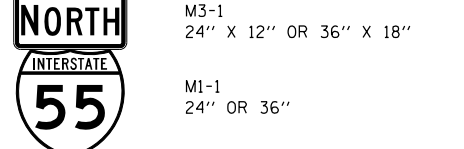
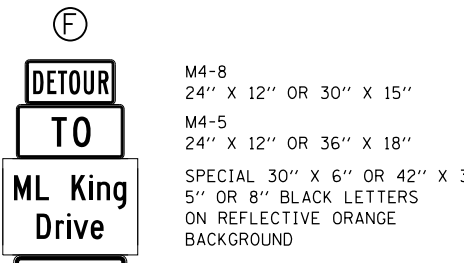
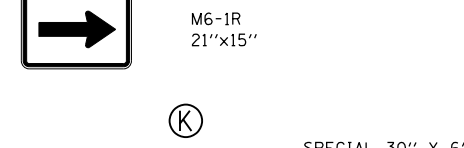
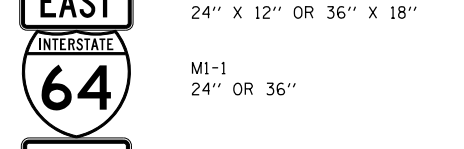
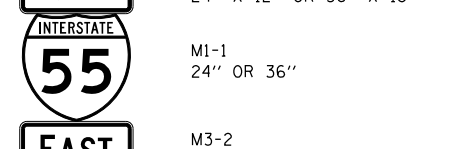
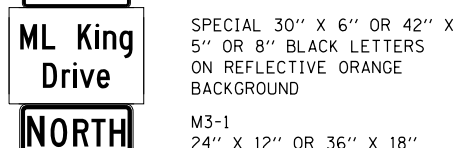
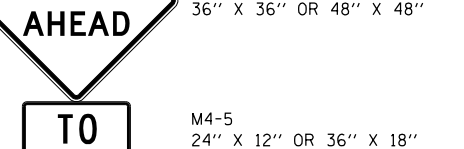
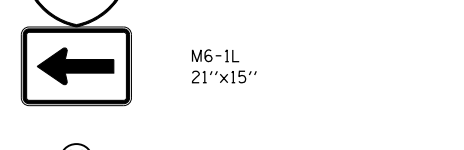
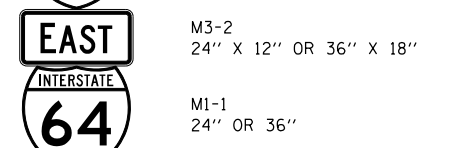
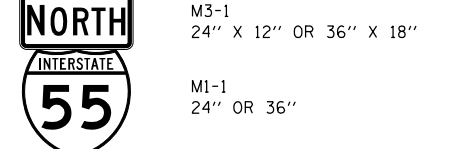
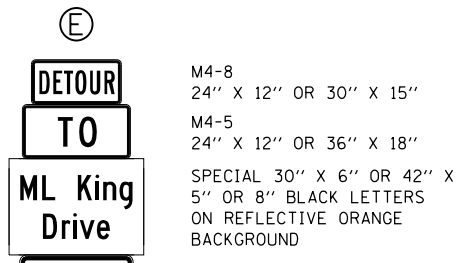
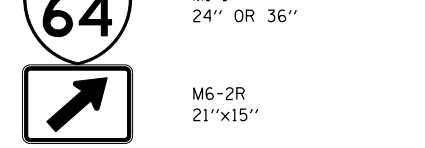
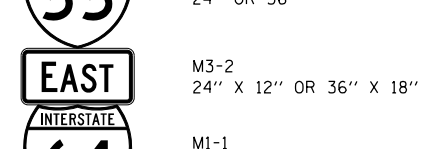
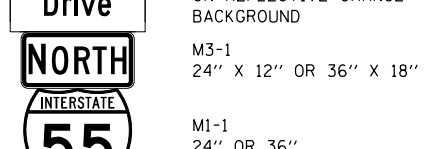
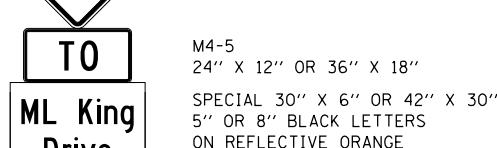
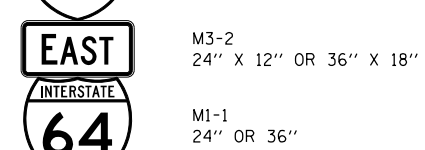
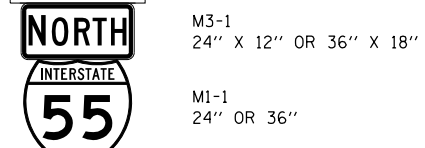
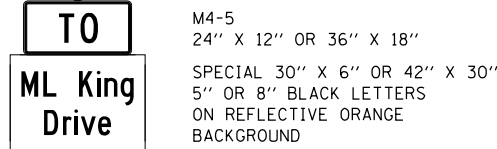
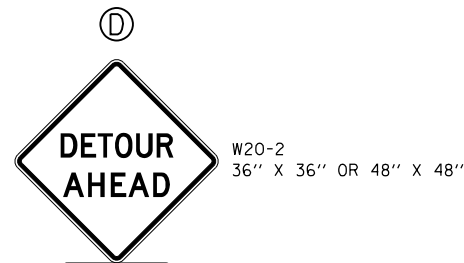
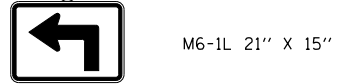
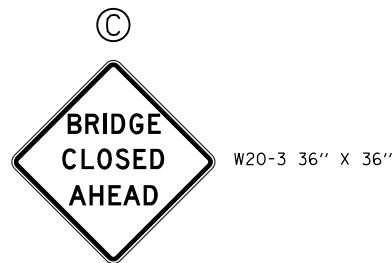
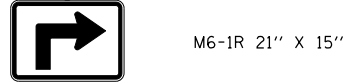
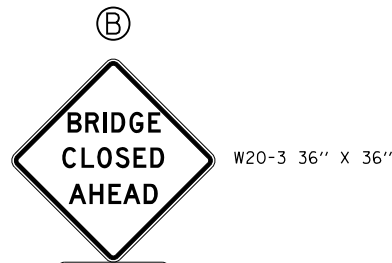
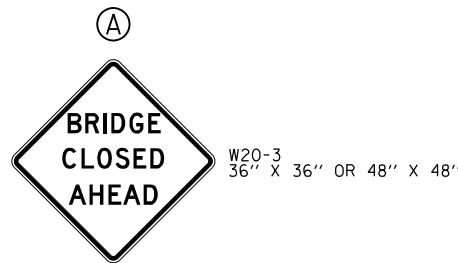
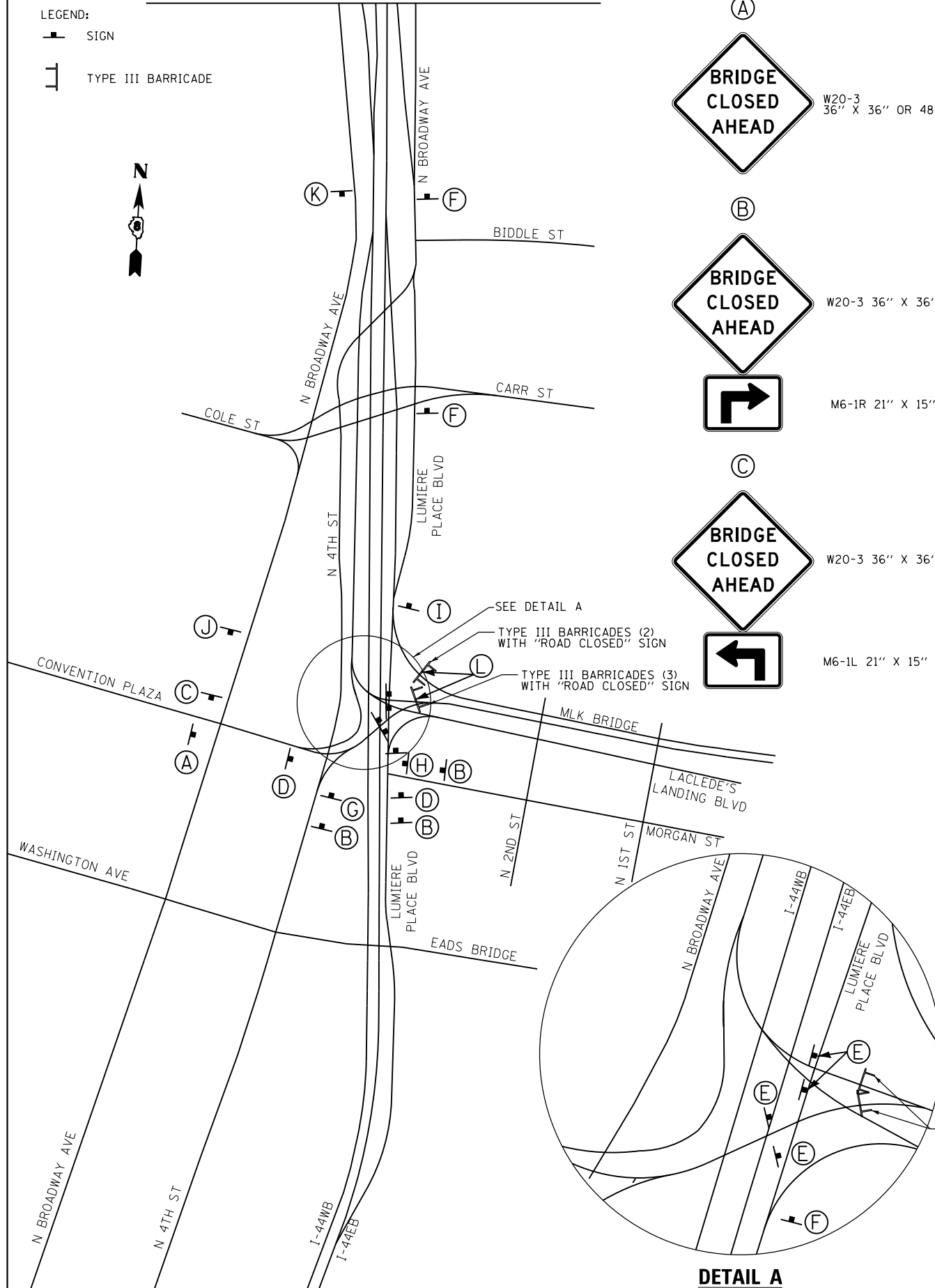
**SIGN LEGEND**

LEGEND:

— SIGN

— TYPE III BARRICADE

MATCHLINE "D" SEE SHEET 9



**DETAIL A**

FILE NAME =	USER NAME = jd
061-D876039-shr-Mot_08.dgn	
*MODELNAME*	

DESIGNED - JRD	REVISIONS -
DRAWN - JRD	REVISIONS -
CHECKED - SLD	REVISIONS -
DATE - 3/22/2018	REVISIONS -

DESIGNED - JRD	REVISIONS -
DRAWN - JRD	REVISIONS -
CHECKED - SLD	REVISIONS -
DATE - 3/22/2018	REVISIONS -

DESIGNED - JRD	REVISIONS -
DRAWN - JRD	REVISIONS -
CHECKED - SLD	REVISIONS -
DATE - 3/22/2018	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN  
MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL

SCALE: 1" = 200' SHEET 8 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	69
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design

SIGN LEGEND

**(E)**

**DETOUR TO ML King Drive NORTH INTERSTATE 55 EAST INTERSTATE 64**

M4-8 24" X 12" OR 30" X 15"  
 M4-5 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M3-1 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M3-2 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M6-1L 21"x15"

**(F)**

**DETOUR TO ML King Drive NORTH INTERSTATE 55 EAST INTERSTATE 64**

M4-8 24" X 12" OR 30" X 15"  
 M4-5 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M3-1 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M3-2 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M6-3 21"x15"

**(M)**

**DETOUR TO ML King Drive NORTH INTERSTATE 55 EAST INTERSTATE 64**

M4-8 24" X 12" OR 30" X 15"  
 M4-5 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M3-1 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M3-2 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M6-1L 21" X 15"

**(N)**

**DETOUR TO ML King Drive NORTH INTERSTATE 55 EAST INTERSTATE 64**

M4-8 24" X 12" OR 30" X 15"  
 M4-5 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M3-1 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M3-2 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M6-1R 21" X 15"

**(O)**

**DETOUR TO ML King Drive NORTH INTERSTATE 55 EAST INTERSTATE 64**

M4-8 24" X 12" OR 30" X 15"  
 M4-5 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M3-1 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M3-2 24" X 12" OR 36" X 18"  
 M1-1 24" OR 36"  
 M6-1R 21"x15"

**(K)**

**MLK BRIDGE DETOUR**

SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M4-9 48" X 36" OR 30" X 24"

**(P)**

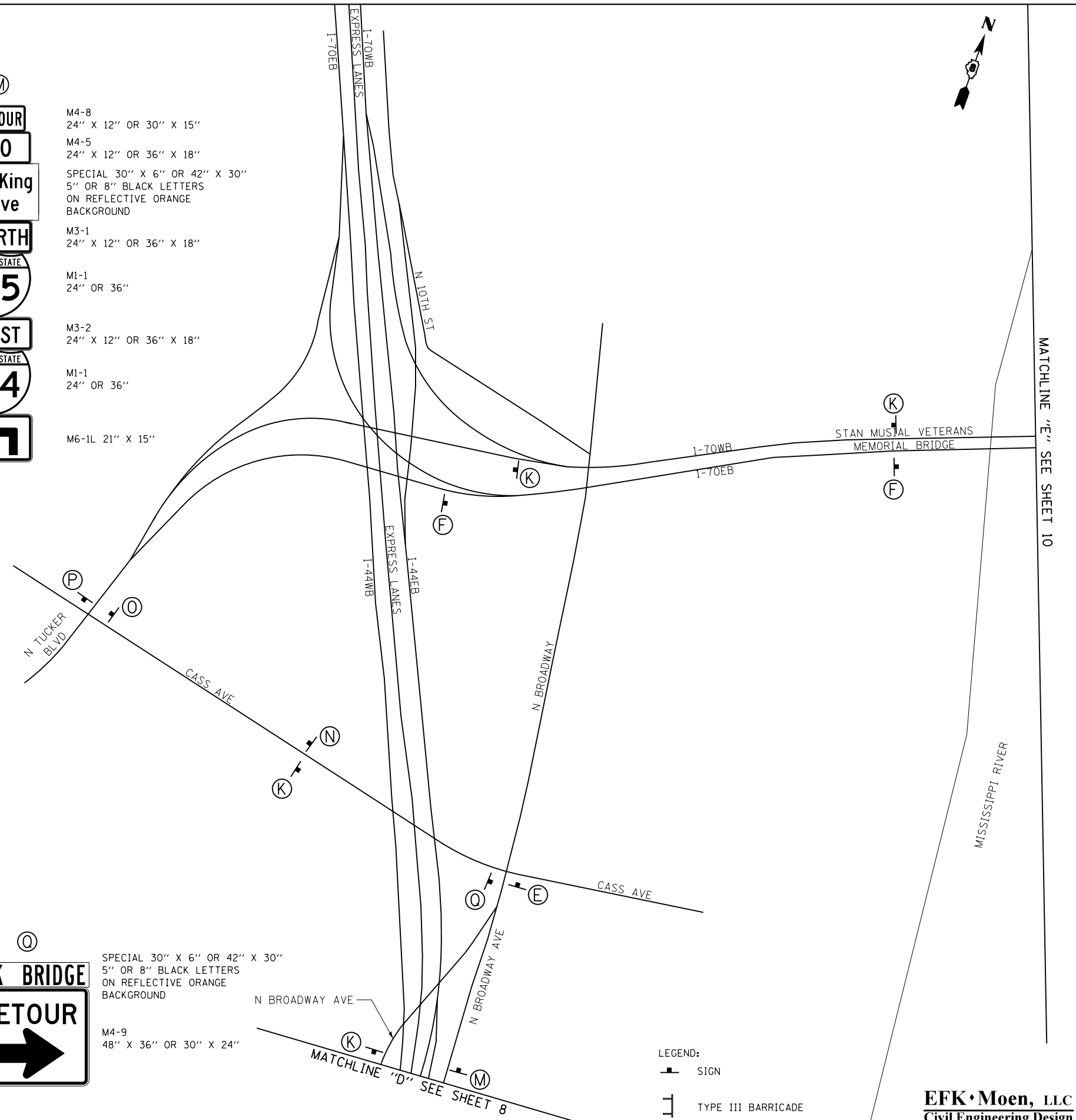
**MLK BRIDGE DETOUR**

SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M4-9 48" X 36" OR 30" X 24"

**(Q)**

**MLK BRIDGE DETOUR**

SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND  
 M4-9 48" X 36" OR 30" X 24"



LEGEND:  
 SIGN  
 TYPE III BARRICADE

**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 062-D876G39-sht-Mot 09.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

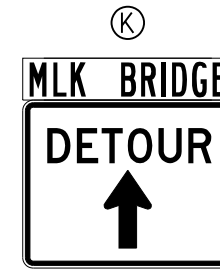
TRAFFIC CONTROL AND PROTECTION PLAN  
 MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL  
 SCALE: 1" = 200' SHEET 9 OF 25 SHEETS STA. TO STA.

F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 70
CONTRACT NO. 76G39			ILLINOIS FED. AID PROJECT	

SIGN LEGEND



- M4-8 24" X 12" OR 30" X 15"
- M4-5 24" X 12" OR 36" X 18"
- SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND
- M3-1 24" X 12" OR 36" X 18"
- M1-1 24" OR 36"
- M3-2 24" X 12" OR 36" X 18"
- M1-1 24" OR 36"
- M6-3 21"x15"

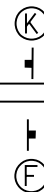


- SPECIAL 30" X 6" OR 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND
- M4-9 48" X 36" OR 30" X 24"



MATCHLINE "E" SEE SHEET 9

STAN MUSIAL VETERANS  
MEMORIAL BRIDGE



1-70WB  
1-70EB

IL ROUTE 3 (ST CLAIR AVE)

MATCHLINE "F" SEE SHEET 11

- LEGEND:
- SIGN
  - TYPE III BARRICADE

**EFK Moen, LLC**  
Civil Engineering Design

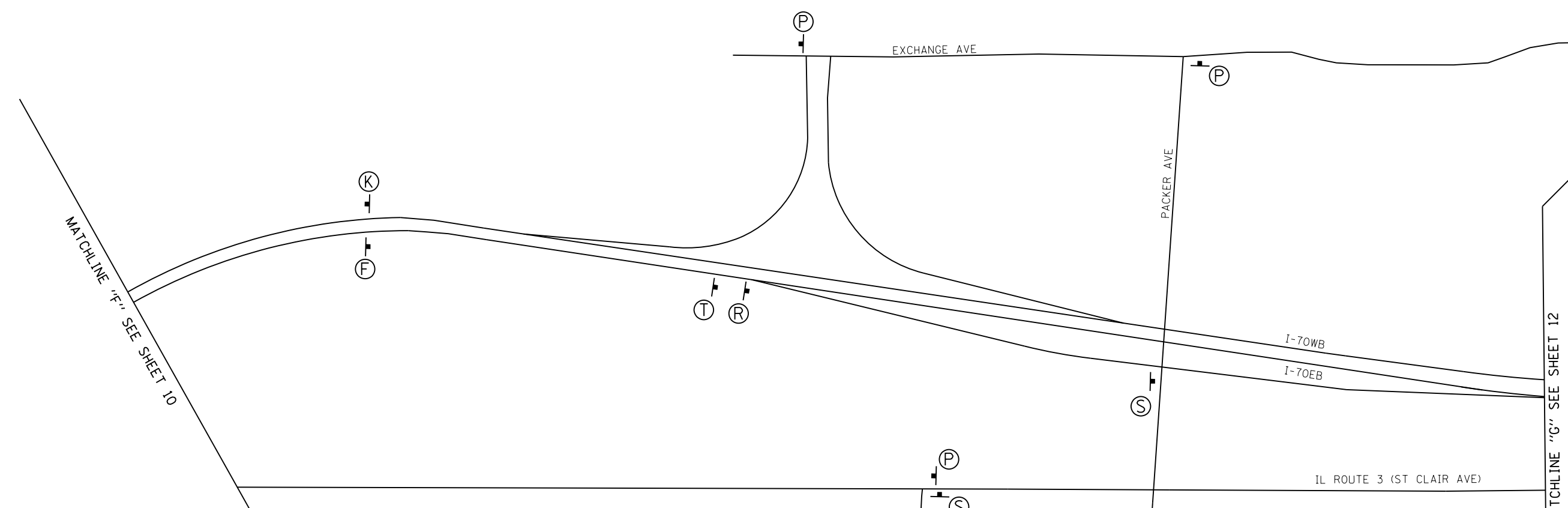
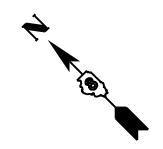
FILE NAME = 063-DB76G39-sht-Mot 10.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN  
MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL

SCALE: 1" = 200' SHEET 10 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST. CLAIR	315	71
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				



**SIGN LEGEND**

**(F)**

M4-8  
24" X 12" OR 30" X 15"  
M4-5  
24" X 12" OR 36" X 18"  
SPECIAL 30" X 6" OR 42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND  
M3-1  
24" X 12" OR 36" X 18"  
M1-1  
24" OR 36"  
M3-2  
24" X 12" OR 36" X 18"  
M1-1  
24" OR 36"  
M6-3  
21"x15"

**(K)**

SPECIAL 30" X 6" OR 42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND  
M4-9  
48" X 36" OR 30" X 24"

**(R)**

M4-8  
24" X 12" OR 30" X 15"  
M4-5  
24" X 12" OR 36" X 18"  
SPECIAL 30" X 6" OR 42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND  
M6-2R  
21"x15"

**(P)**

SPECIAL 30" X 6" OR 42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND  
M4-9  
48" X 36" OR 30" X 24"

**(S)**

M4-8  
24" X 12" OR 30" X 15"  
M4-5  
24" X 12" OR 36" X 18"  
SPECIAL 30" X 6" OR 42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND  
M6-1R  
21"x15"

**(T)**

M4-8  
24" X 12" OR 30" X 15"  
M4-5  
24" X 12" OR 36" X 18"  
M3-1  
24" X 12" OR 36" X 18"  
M1-1  
24" OR 36"  
M3-2  
24" X 12" OR 36" X 18"  
M1-1  
24" OR 36"  
M6-3  
21"x15"

LEGEND:  
 SIGN  
 TYPE III BARRICADE


**EFK Moen, LLC**  
 Civil Engineering Design


FILE NAME = 064-DB76G39-sht-Mot 11.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION PLAN MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL</b>		F.A.S. RTE. = 799	SECTION = IBR-1-1	COUNTY = ST. CLAIR	TOTAL SHEETS = 315	SHEET NO. = 72
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -				SCALE: 1" = 200'		SHEET 11 OF 25 SHEETS STA. TO STA.		CONTRACT NO. 76G39
*MODELNAME*	PLOT DATE = 3/22/2018	DATE = 3/22/2018	REVISED -	ILLINOIS FED. AID PROJECT							








**SIGN LEGEND**

**(K)**  
**MLK BRIDGE**  
**DETOUR**  
  
 SPECIAL 30" X 6"  
 5" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M4-9 30" X 24"


**(P)**  
**MLK BRIDGE**  
**DETOUR**  
  
 SPECIAL 30" X 6"  
 5" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M4-9 30" X 24"

**(S)**  
**DETOUR**  
**TO**  
**ML King Drive**  
  
 M4-8  
 24" X 12" OR 30" X 15"  
 M4-5  
 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30"  
 5" OR 8" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M6-1R  
 21"x15"


**(U)**  
**DETOUR**  
**TO**  
**ML King Drive**  
  
 M4-8  
 24" X 12" OR 30" X 15"  
 M4-5  
 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30"  
 5" OR 8" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M6-3  
 21"x15"



**(V)**  
**DETOUR**  
**TO**  
**ML King Drive**  
  
 M4-8  
 24" X 12" OR 30" X 15"  
 M4-5  
 24" X 12" OR 36" X 18"  
 SPECIAL 30" X 6" OR 42" X 30"  
 5" OR 8" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M6-1R 21" X 15"

**(W)**  
**END**  
**DETOUR**  
**ML King Drive**  
 M4-8A 24" X 18"  
 SPECIAL 30" X 6" OR 42" X 30"  
 5" OR 8" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND

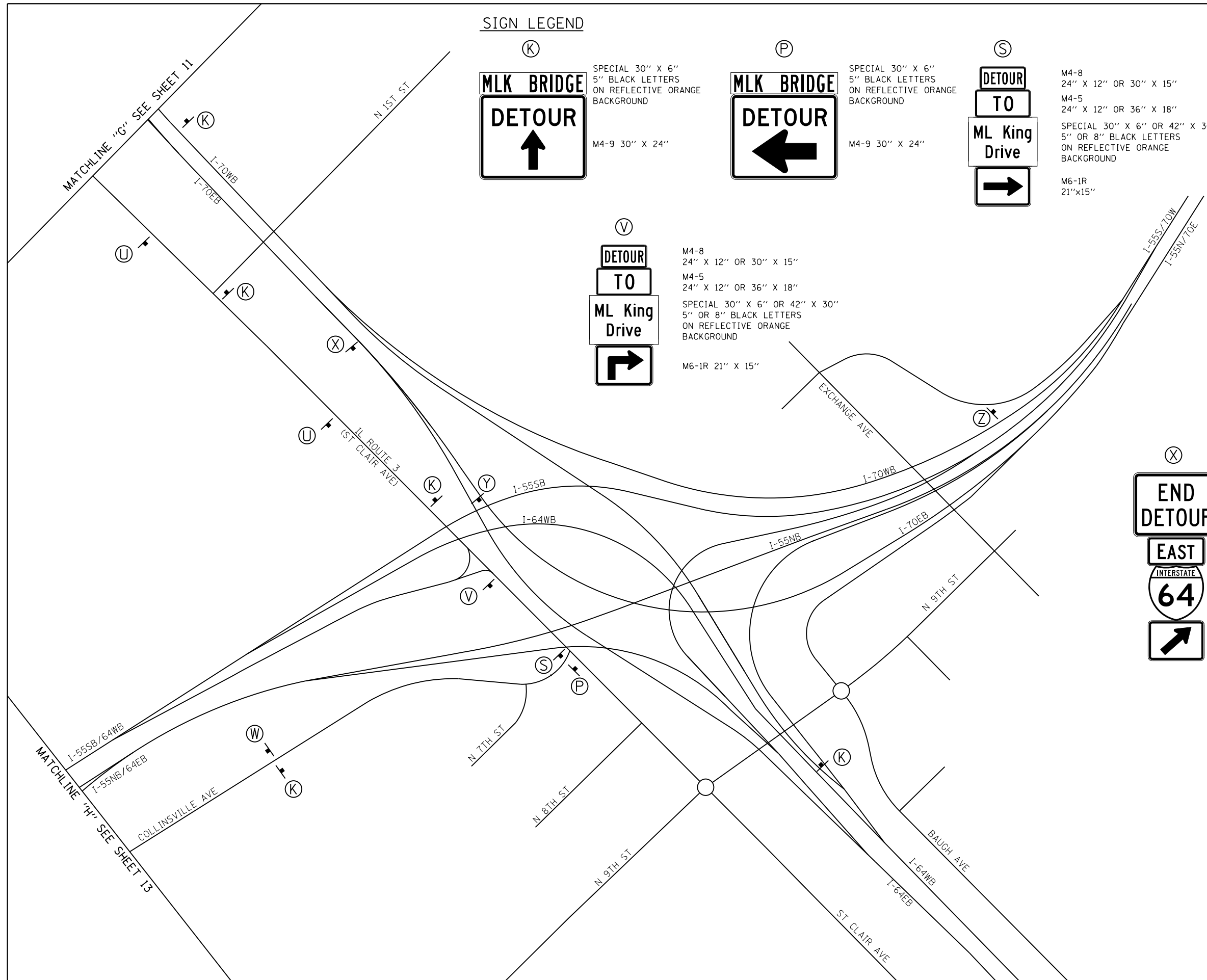
**(X)**  
**END**  
**DETOUR**  
**EAST**  
**INTERSTATE**  
**64**  
  
 M4-8A 24" X 18"  
 M3-2  
 36" X 18"  
 M1-1  
 36"  
 M6-2R  
 21"x15"

**(Y)**  
**END**  
**DETOUR**  
**NORTH**  
**INTERSTATE**  
**55**  
 M4-8A 24" X 18"  
 M3-1  
 36" X 18"  
 M1-1  
 36"

**(Z)**  
**MLK BRIDGE**  
**DETOUR**  
  
 SPECIAL 30" X 6" OR 42" X 30"  
 5" OR 8" BLACK LETTERS  
 ON REFLECTIVE ORANGE  
 BACKGROUND  
 M4-9  
 48" X 36" OR 30" X 24"

LEGEND:  
 SIGN  
 TYPE III BARRICADE

**EFK Moen, LLC**  
 Civil Engineering Design



FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
*FILEL\$		DRAWN - JRD	REVISED -
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME\$	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN**  
**MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL**

SCALE: 1" = 200' SHEET 12 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	73
			CONTRACT NO. 76C39	
ILLINOIS FED. AID PROJECT				



SIGN LEGEND



R11-2 48" X 30"



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

M4-9 30" X 24"



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

M4-9 30" X 24"



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

M4-9 30" X 24"



W20-3 36" X 36"



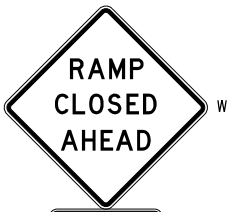
W20-3 36" X 36"



M6-1R 21" X 15"



W20-2 36" X 36"



W20-3 36" X 36"

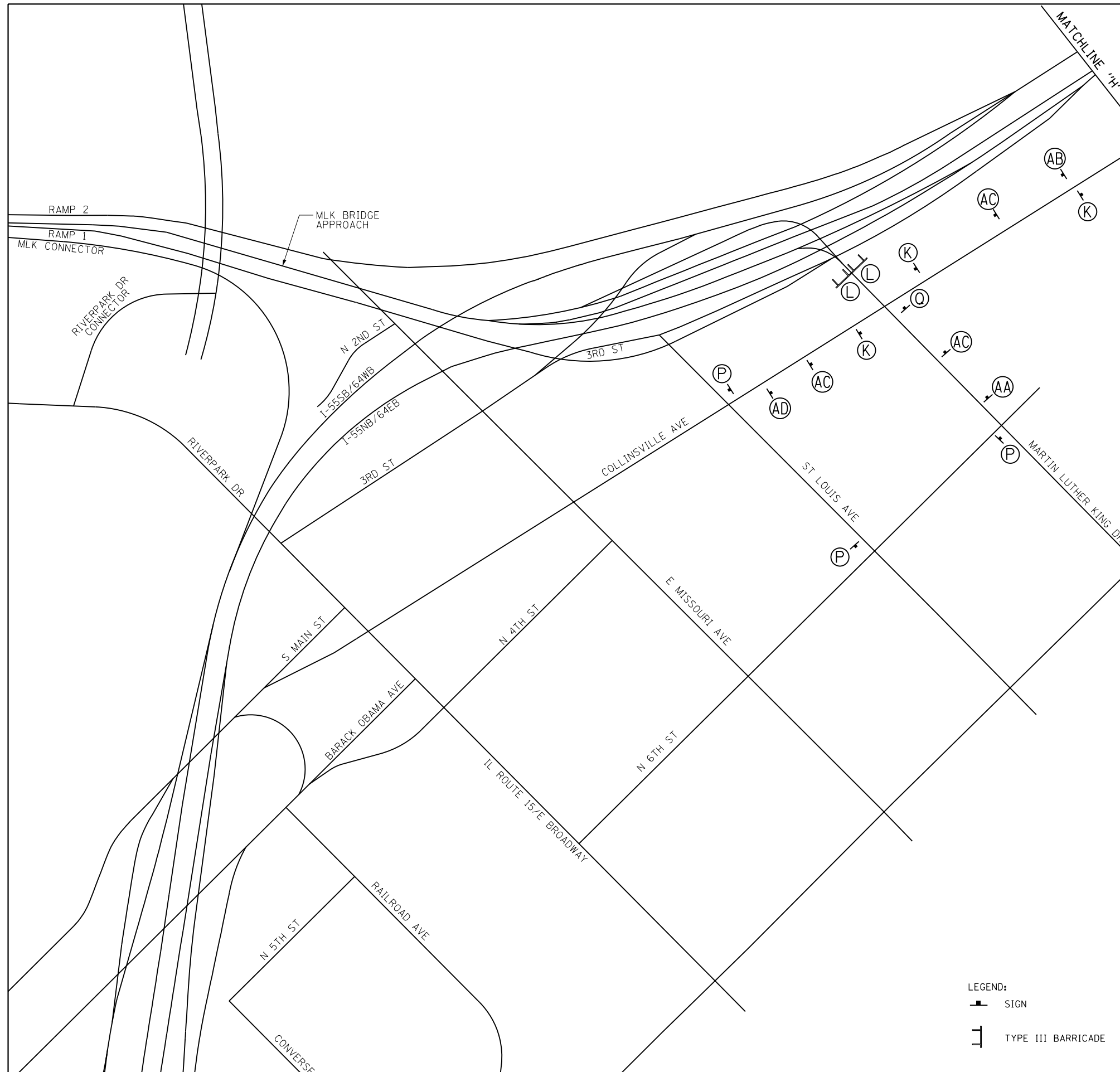


M6-1L 21" X 15"



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

LEGEND:  
SIGN  
TYPE III BARRICADE



FILE NAME =	USER NAME = j_d	DESIGNED - JRD	REVISED -
*FILEL*		DRAWN - JRD	REVISED -
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

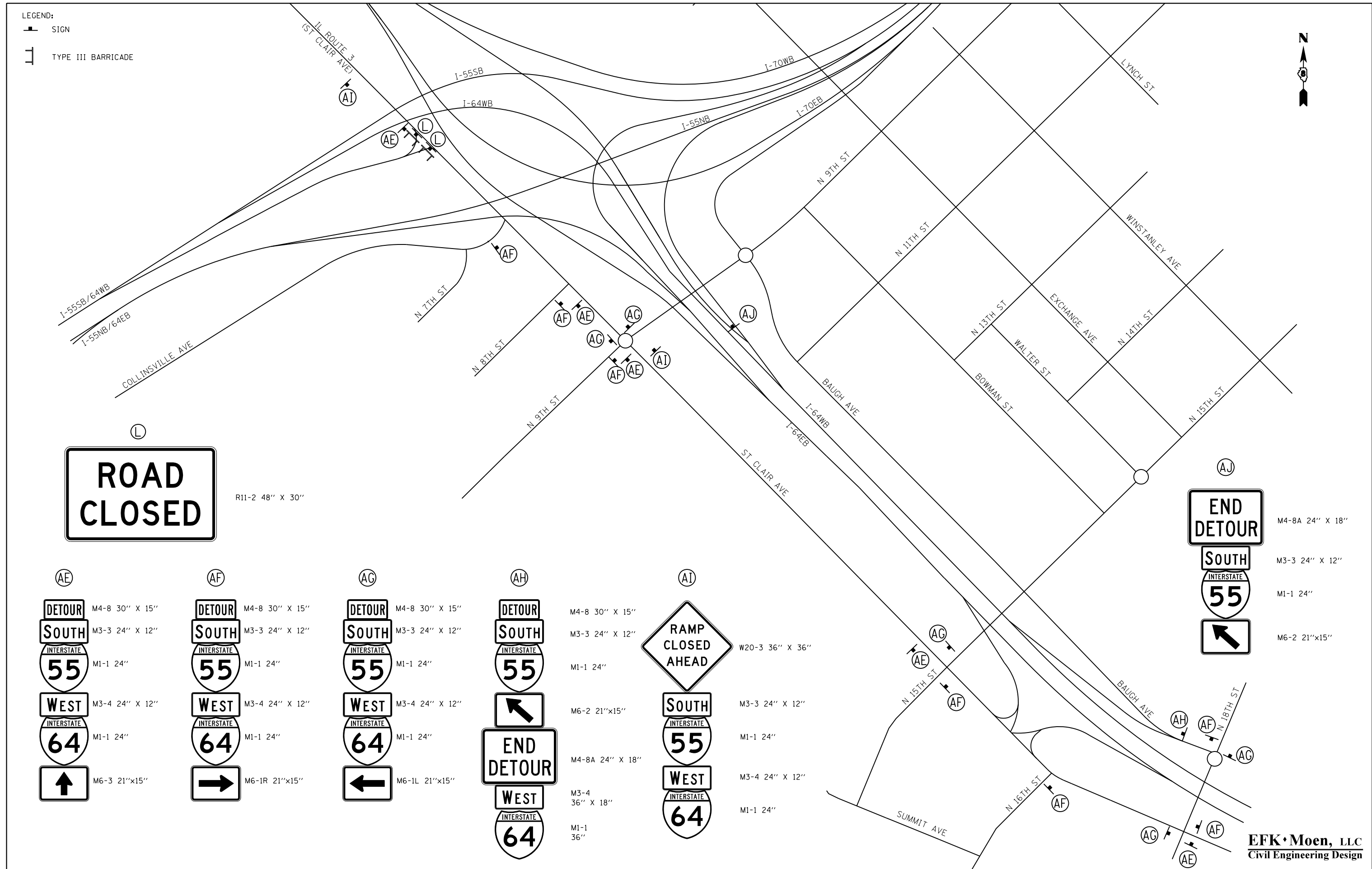
TRAFFIC CONTROL AND PROTECTION PLAN  
MLK BRIDGE CLOSURE DETOUR SIGNAGE DETAIL

SCALE: 1" = 200' SHEET 13 OF 25 SHEETS STA. TO STA.

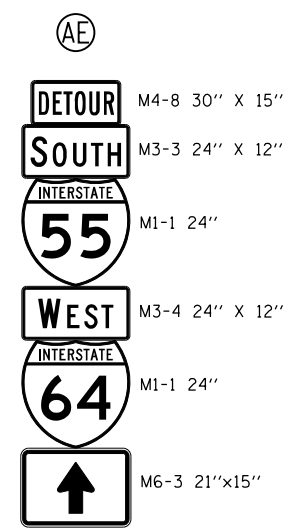
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	74
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC  
Civil Engineering Design

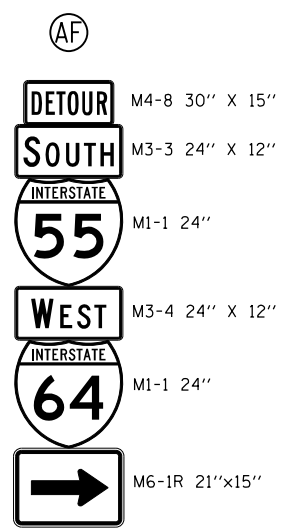
LEGEND:  
 SIGN  
 TYPE III BARRICADE



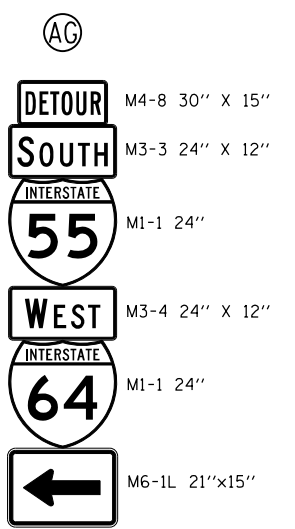
R11-2 48" X 30"



M4-8 30" X 15"  
M3-3 24" X 12"  
M1-1 24"  
M3-4 24" X 12"  
M1-1 24"  
M6-3 21"x15"



M4-8 30" X 15"  
M3-3 24" X 12"  
M1-1 24"  
M3-4 24" X 12"  
M1-1 24"  
M6-1R 21"x15"



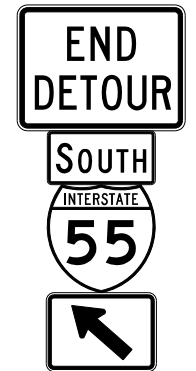
M4-8 30" X 15"  
M3-3 24" X 12"  
M1-1 24"  
M3-4 24" X 12"  
M1-1 24"  
M6-1L 21"x15"



M4-8 30" X 15"  
M3-3 24" X 12"  
M1-1 24"  
M6-2 21"x15"  
M4-8A 24" X 18"  
M3-4 36" X 18"  
M1-1 36"



W20-3 36" X 36"  
M3-3 24" X 12"  
M1-1 24"  
M3-4 24" X 12"  
M1-1 24"



M4-8A 24" X 18"  
M3-3 24" X 12"  
M1-1 24"  
M6-2 21"x15"

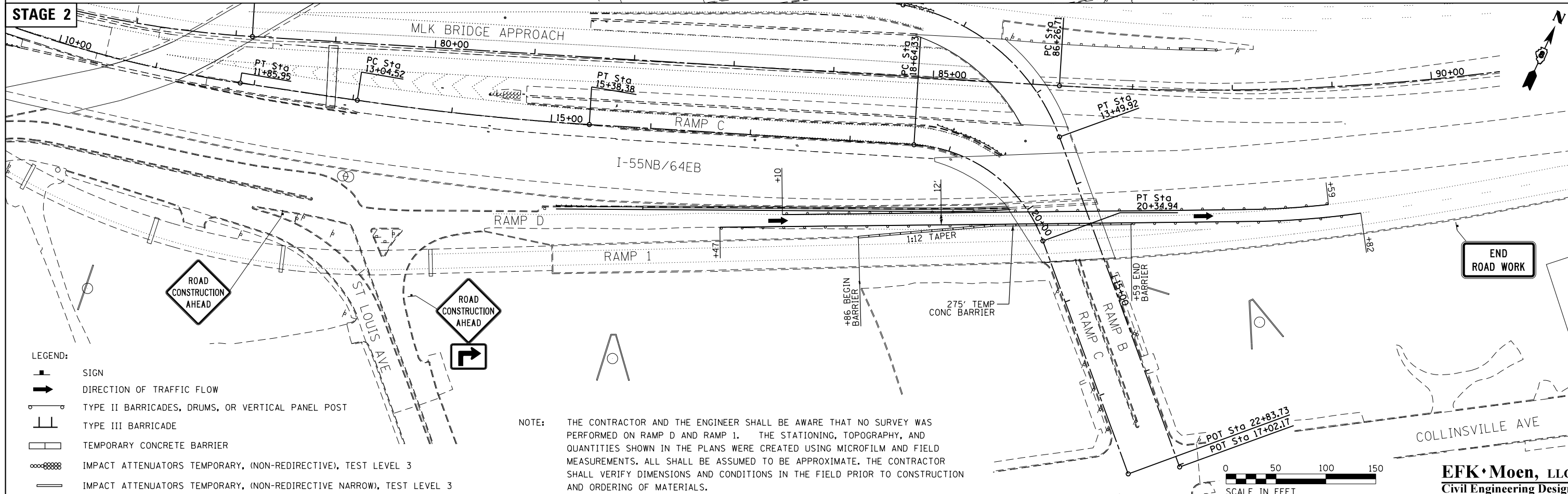
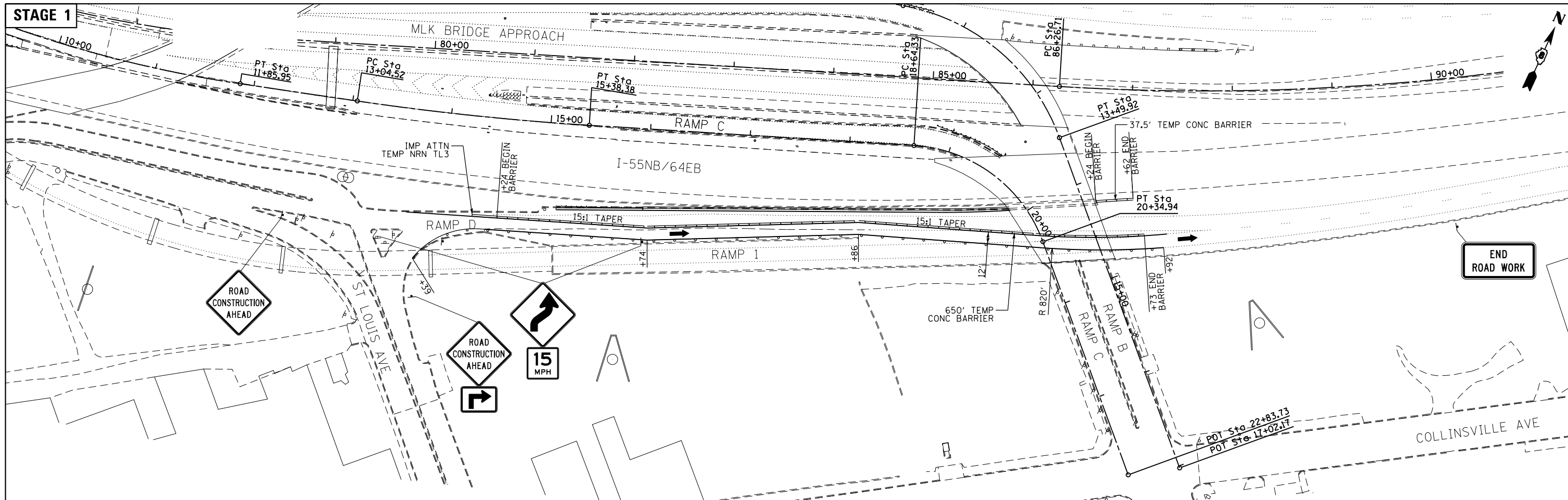
FILE NAME = 067-DB76039-shr-Mot 14.dgn	USER NAME = jd	DESIGNED - RLO	REVISED -
		DRAWN - MSK	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN IL ROUTE 3 (ST. CLAIR AVENUE) LOCAL TRAFFIC DETOUR SIGNAGE DETAIL			
SCALE: 1" = 200'	SHEET 14 OF 25 SHEETS	STA.	TO STA.

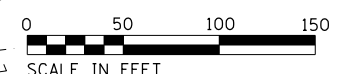
F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 75
CONTRACT NO. 76G39				ILLINOIS FED. AID PROJECT

EFK•Moen, LLC  
Civil Engineering Design



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

**NOTE:** THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED ON RAMP D AND RAMP 1. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.



**EFK·Moen, LLC**  
Civil Engineering Design








FILE NAME =	USER NAME = jrd	DESIGNED - JRD	REVISED -
#FILE#		DRAWN - JRD	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

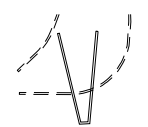
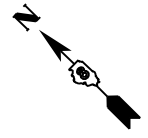
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
RAMP D**

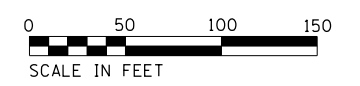
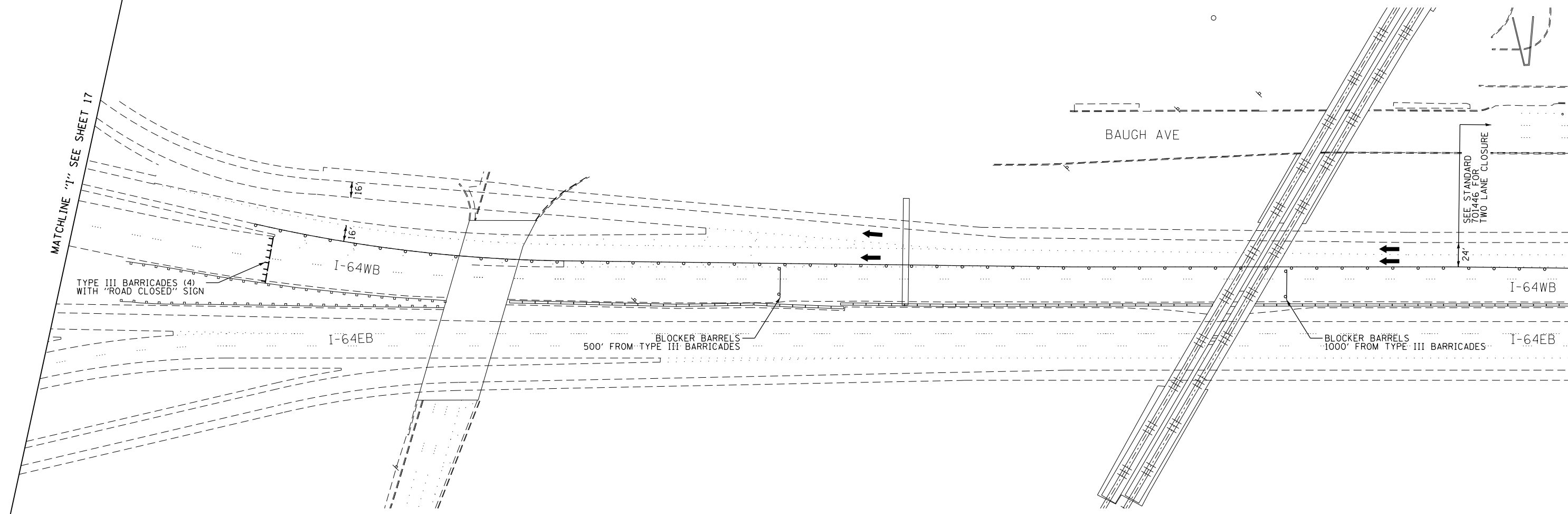
SCALE: 1" = 50' SHEET 15 OF 25 SHEETS STA. 10+00.00 TO STA. 19+81.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	76
			CONTRACT NO. 79C39	
ILLINOIS FED. AID PROJECT				

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



MATCHLINE "1" SEE SHEET 17



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 069-DB76039-sht-Mot 16-Close 55-64.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -








**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

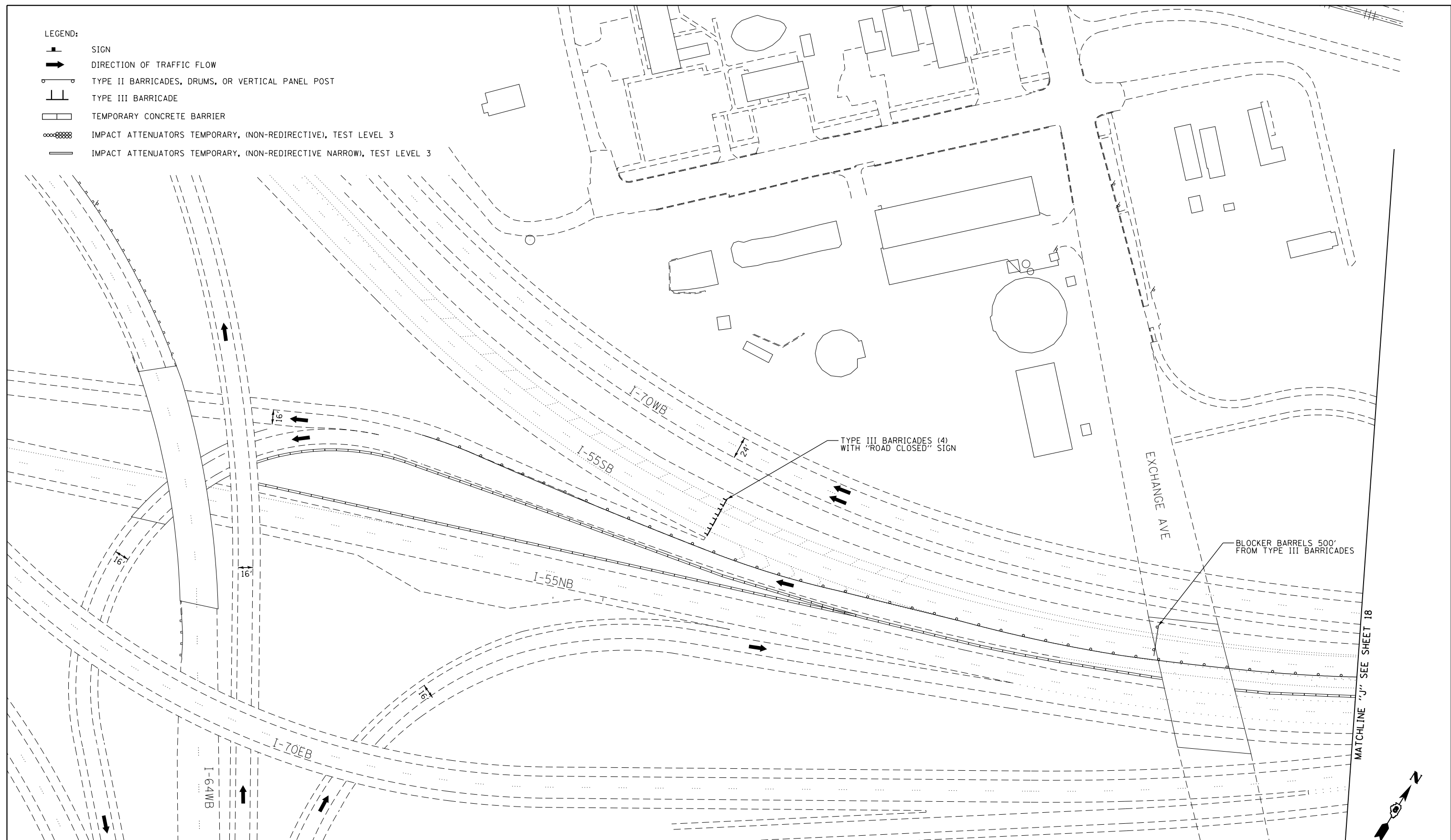
**TRAFFIC CONTROL AND PROTECTION PLAN**  
**I-55SB / I-64WB WEEKEND CLOSURE**

SCALE: 1" = 50' SHEET 16 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	77
CONTRACT NO. 78C39				
ILLINOIS FED. AID PROJECT				

LEGEND:

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

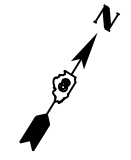


MATCHLINE "I" SEE SHEET 16

MATCHLINE "J" SEE SHEET 18



SCALE IN FEET



**EFK·Moen, LLC**  
Civil Engineering Design

FILE NAME = 070-DB76639-sht-Mot 17-Close 55-64.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -








**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

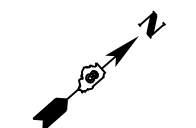
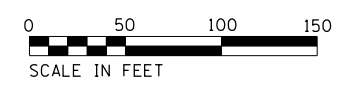
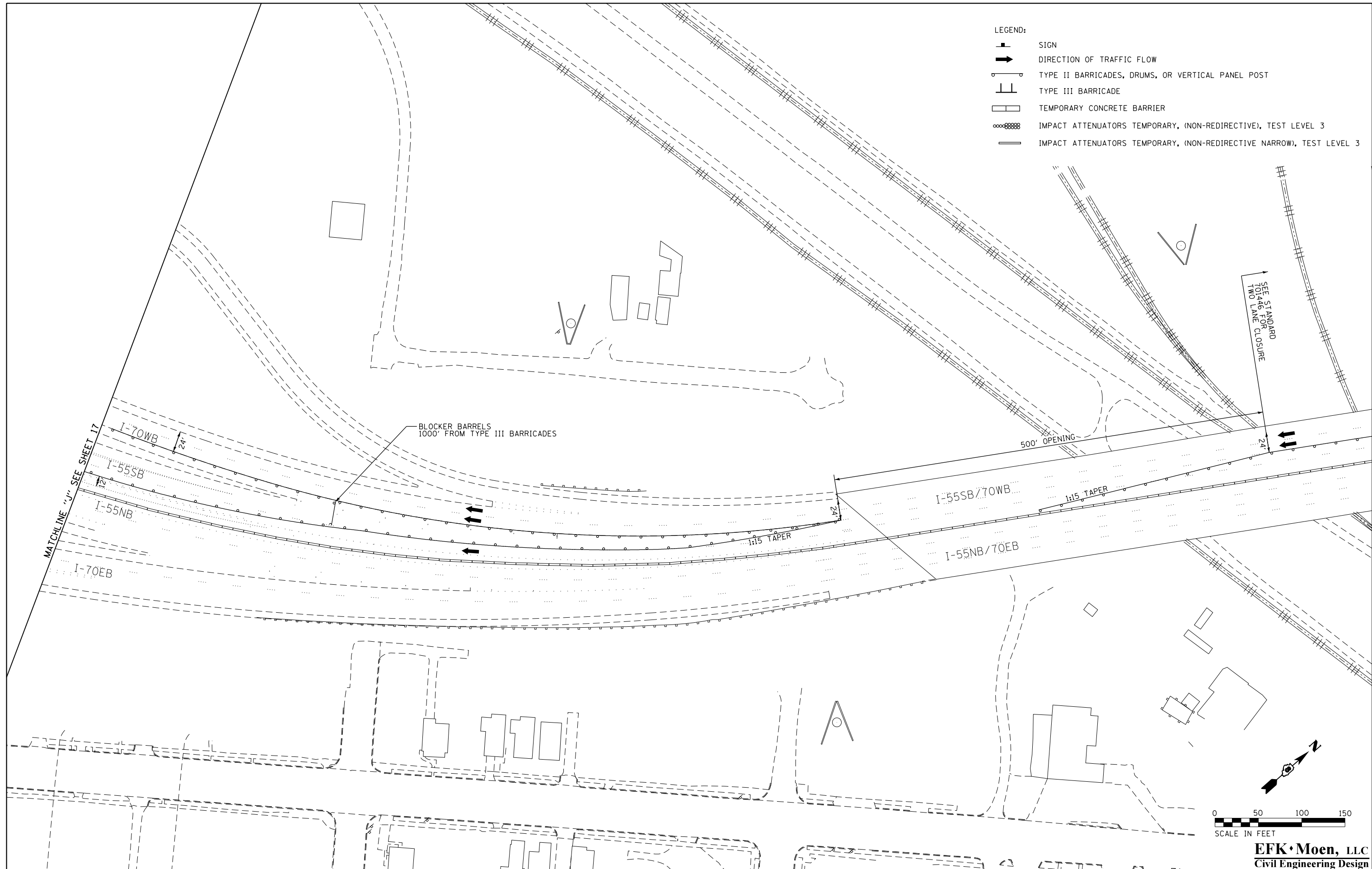
**TRAFFIC CONTROL AND PROTECTION PLAN**  
**I-55SB / I-64WB WEEKEND CLOSURE**

SCALE: 1" = 50' SHEET 17 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	78
CONTRACT NO. 78G39				

ILLINOIS FED. AID PROJECT

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



FILE NAME = 071-D876039-shr-Mot 18-Close 55-64.dgn

USER NAME = jd  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - JRD  
 DRAWN - MSK  
 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

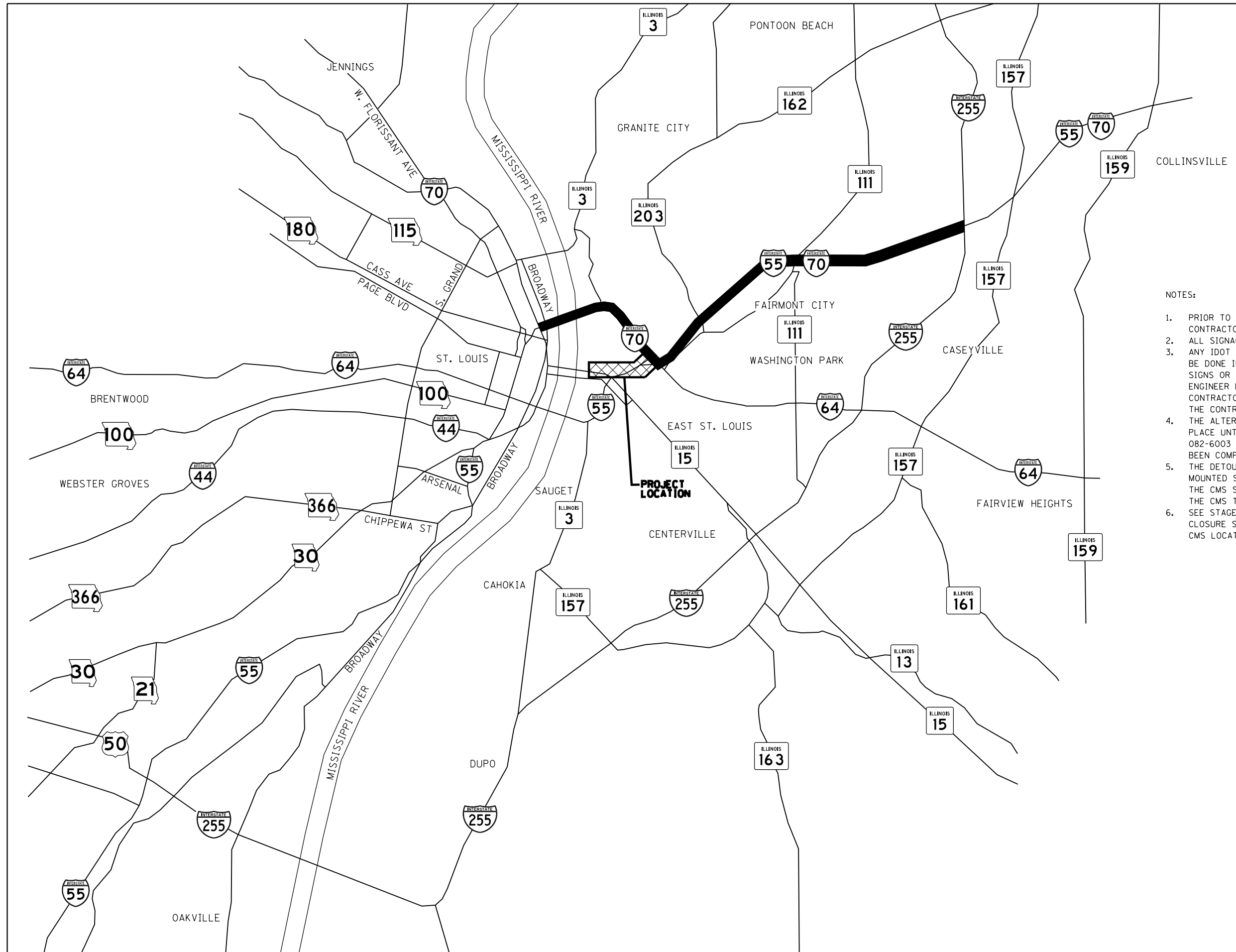
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
 I-55SB / I-64WB WEEKEND CLOSURE**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	79
CONTRACT NO. 78C39				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50' SHEET 18 OF 25 SHEETS STA. TO STA.

**EFK Moen, LLC**  
 Civil Engineering Design



- NOTES:
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E
  2. ALL SIGNAGE SHALL BE SUPPLIED BY THE CONTACTOR.
  3. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
  4. THE ALTERNATIVE ROUTE IS REQUIRED TO REMAIN IN PLACE UNTIL THE WORK NECESSARY TO REMOVE STRUCTURE 082-6003 AND CONSTRUCT STRUCTURE 082-0374 HAS BEEN COMPLETED.
  5. THE DETOUR ROUTE SHALL BE SIGNED USING GROUND MOUNTED SIGNS AND CHANGEABLE MESSAGE BOARDS (CMS). THE CMS SHALL BE PLACED AT LOCATIONS LISTED IN THE CMS TABLE SHOWN ON SHEET 1 OF 25.
  6. SEE STAGE CONSTRUCTION SHEETS FOR ADDITIONAL ROAD CLOSURE SIGNING AND THE CMS TABLE FOR ADDITIONAL CMS LOCATIONS.

**LEGEND (THIS SHEET)**

	SEE OTHER PLAN SHEETS FOR MORE DETAILS
---	--

FILE NAME = 072-DB76039-sht-Mot 19.dgn  
 \*MODELNAME\*

USER NAME = jd  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - JRD  
 DRAWN - MSK  
 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

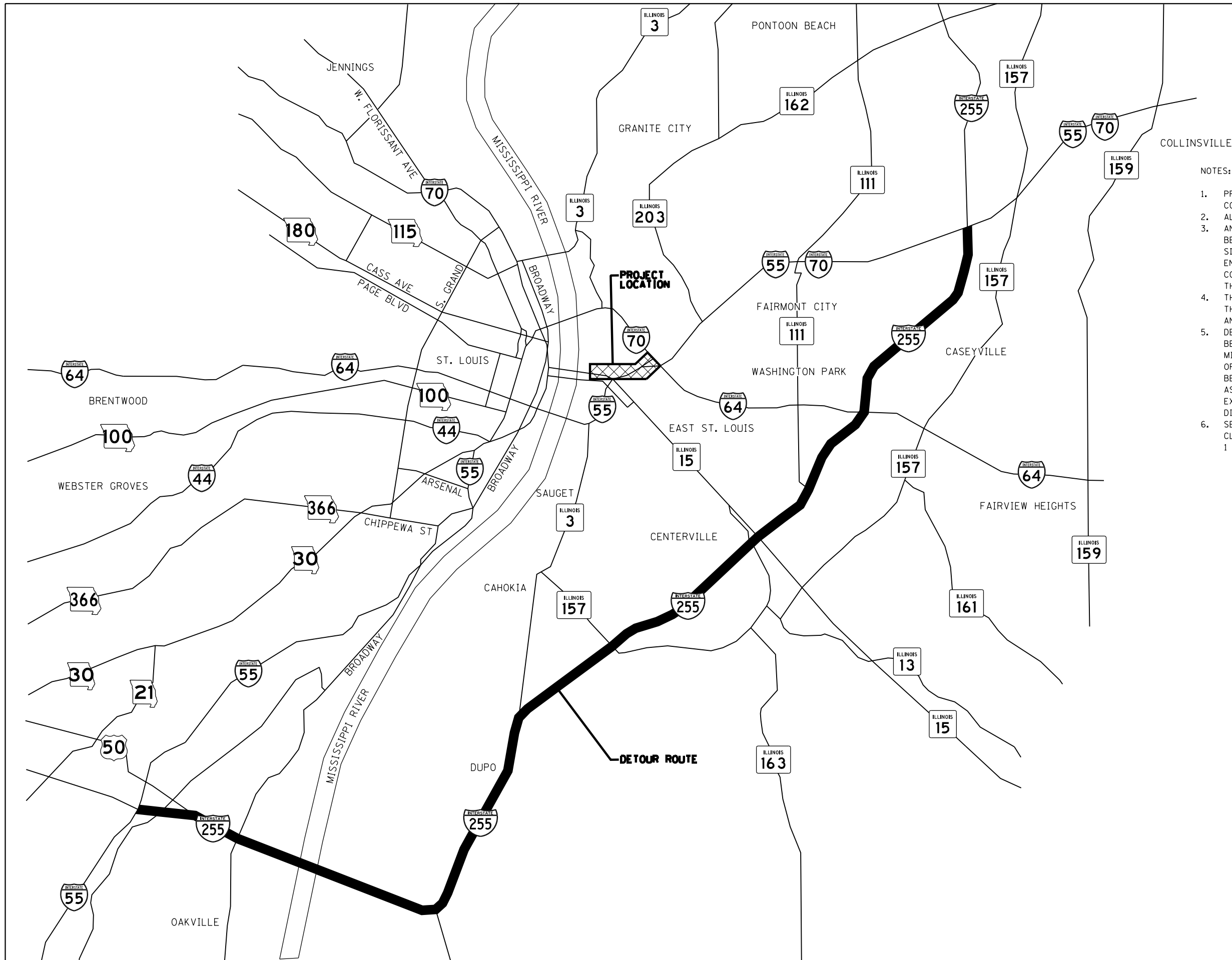
**DOWNTOWN ST. LOUIS  
 I-55 SOUTH / I-64 WEST FULL CLOSURE (WEEKEND-SHORT TERM)**

SCALE: N.T.S. SHEET 19 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1-BR-1-1	ST. CLAIR	315	80
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
 Civil Engineering Design








NOTES:

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E
2. ALL SIGNAGE SHALL BE SUPPLIED BY THE CONTACTOR.
3. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
4. THE DETOUR IS REQUIRED TO REMAIN IN PLACE UNTIL THE WORK NECESSARY TO REMOVE STRUCTURE 082-6003 AND CONSTRUCT STRUCTURE 082-0374 HAS BEEN COMPLETED.
5. DETOUR SIGNING SHALL BE PLACED ALONG I-255SB BETWEEN I-55SB/TOWB IN ILLINOIS AND I-55 IN MISSOURI. SIGN ASSEMBLY 1 SHALL BE PLACED NORTH OF EXIT 10 AND SIGN ASSEMBLY 2 SHALL BE PLACED SOUTH OF EXIT 10 IN ILLINOIS. SIGN ASSEMBLY SPACING SHALL BE EVERY 2 MILES, AT EVERY EXIT RAMP CONFIRMING THE DETOUR ROUTE, OR AS DIRECTED BY THE ENGINEER.
6. SEE STAGE CONSTRUCTION SHEETS FOR ADDITIONAL ROAD CLOSURE SIGNING AND THE CMS TABLE SHOWN ON SHEET 1 OF 25 FOR ADDITIONAL CMS LOCATIONS.

**LEGEND (THIS SHEET)**

 SEE OTHER PLAN SHEETS FOR MORE DETAILS

1		M4-8(F0) 30"x15" M3-3 36"x18" M1-1 36" M3-4 36"x18" M1-1 36"
2		M4-8(F0) 30"x15" M3-3 36"x18" M1-1 36"

FILE NAME = 073-DB76639-sht-Mot 20.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

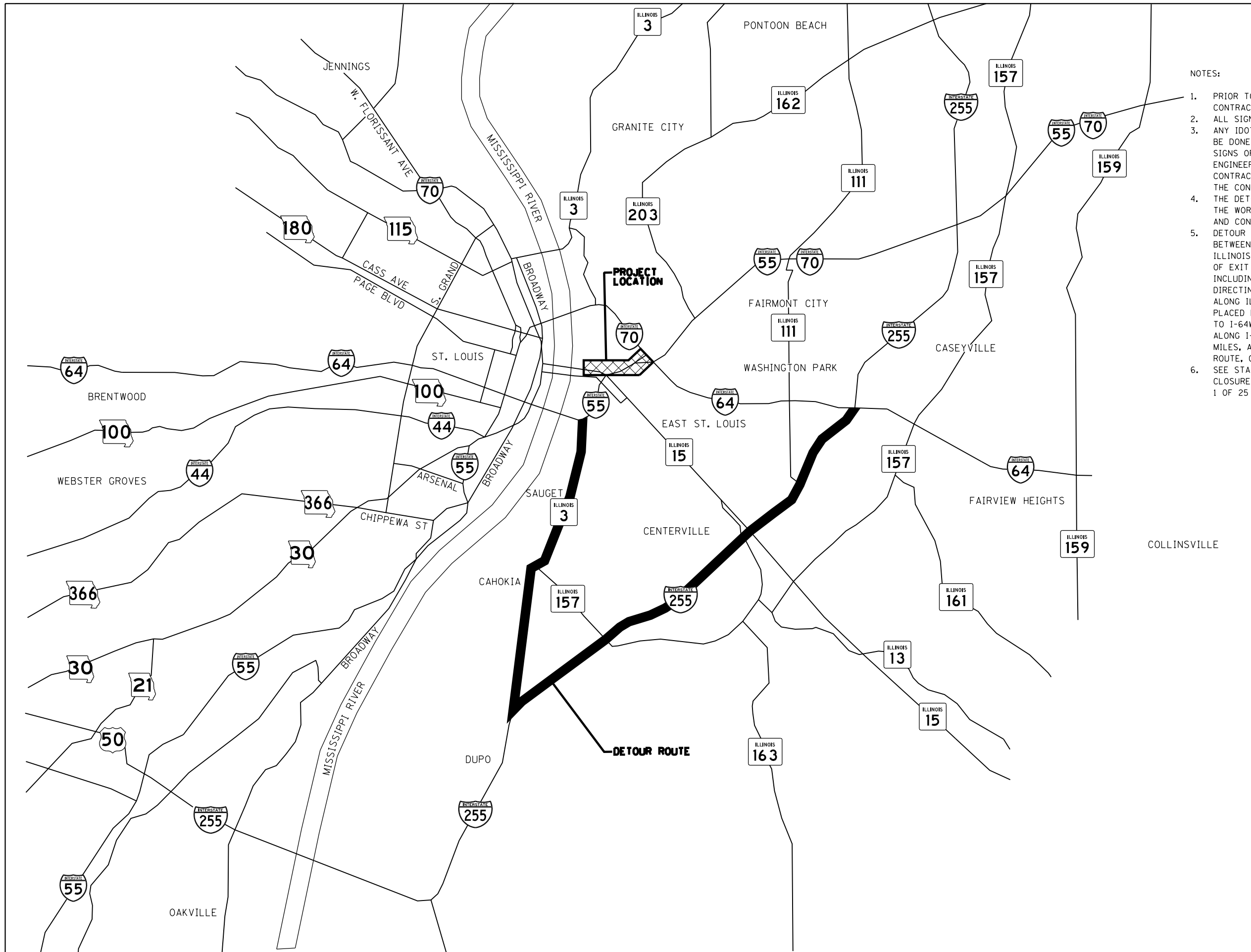
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-55 SOUTHBOUND DETOUR  
I-55 SOUTH / I-64 FULL CLOSURE (WEEKEND-SHORT TERM)**

SCALE: N.T.S. SHEET 20 OF 25 SHEETS STA. TO STA.

F.A.S. RTE. 799	SECTION 1-BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 81
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK·Moen, LLC**  
Civil Engineering Design



- NOTES:
1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E
  2. ALL SIGNAGE SHALL BE SUPPLIED BY THE CONTACTOR.
  3. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
  4. THE DETOUR IS REQUIRED TO REMAIN IN PLACE UNTIL THE WORK NECESSARY TO REMOVE STRUCTURE 082-6003 AND CONSTRUCT STRUCTURE 082-0374 HAS BEEN COMPLETED.
  5. DETOUR SIGNING SHALL BE PLACED ALONG I-255SB BETWEEN I-64WB AND EXIT 10 IN ILLINOIS. SIGN ASSEMBLY 1 SHALL BE PLACED NORTH OF EXIT 10 AND SIGN ASSEMBLY 3, INCLUDING SIGN 4, SHALL BE PLACED AT EXIT 10 DIRECTING DETOUR TRAFFIC TO IL ROUTE 3 NB. ALONG IL ROUTE 3 NB, SIGN ASSEMBLY 3 SHALL BE PLACED BETWEEN I-255SB AND THE ENTRANCE RAMP TO I-64WB NORTH OF SAUGET. SIGN ASSEMBLY SPACING ALONG I-255SB AND IL ROUTE 3 NB SHALL BE EVERY 2 MILES, AT EVERY EXIT RAMP CONFIRMING THE DETOUR ROUTE, OR AS DIRECTED BY THE ENGINEER.
  6. SEE STAGE CONSTRUCTION SHEETS FOR ADDITIONAL ROAD CLOSURE SIGNING AND THE CMS TABLE SHOWN ON SHEET 1 OF 25 FOR ADDITIONAL CMS LOCATIONS.

**LEGEND (THIS SHEET)**

SEE OTHER PLAN SHEETS FOR MORE DETAILS

1		M4-8(F0) 30"x15"
		M3-3 36"x18"
		M1-1 36"
		M3-4 36"x18"
		M1-1 36"
3		M4-8(F0) 30"x15"
		M3-4 36"x18"
		M1-1 36"
4		M1-1 36"

FILE NAME = 074-DB76G39-sht-Mot 21.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-64 WESTBOUND DETOUR  
I-55 SOUTH / I-64 WEST FULL CLOSURE (WEEKEND-SHORT TERM)**

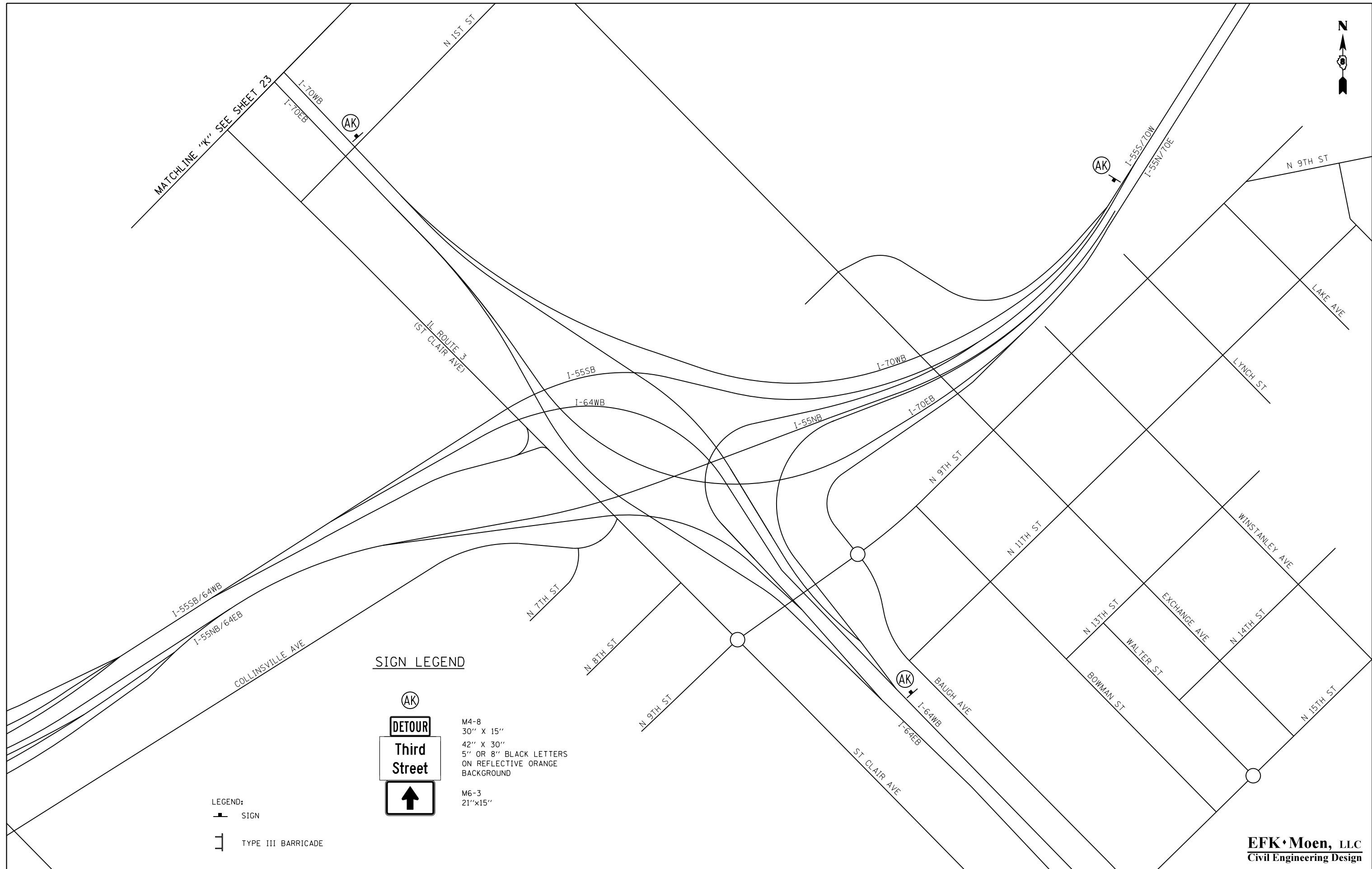
SCALE: N.T.S. SHEET 21 OF 25 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1-BR-1-1	ST. CLAIR	315	82

CONTRACT NO. 76G39

ILLINOIS FED. AID PROJECT

**EFK·Moen, LLC**  
Civil Engineering Design



**SIGN LEGEND**

**AK** (in a circle)

**DETOUR** (in a rectangle)


**Third Street** (in a rectangle)


**↑** (in a square)

M4-8  
30" X 15"  
42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND

M6-3  
21"x15"

LEGEND:

 SIGN

 TYPE III BARRICADE

FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
*FILEL*		DRAWN - JRD	REVISED -
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
EXIT 2A LOCAL TRAFFIC WEEKEND CLOSURE DETOUR SIGNAGE DETAIL**

SCALE: 1" = 200'    SHEET 22 OF 25 SHEETS    STA.    TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	83
CONTRACT NO. 76G39				
ILLINOIS FED. AID PROJECT				

**EFK·Moen, LLC**  
Civil Engineering Design



**SIGN LEGEND**

	<p>M4-8 30" X 15" 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND</p> <p>M6-3 21"x15"</p>
	<p>M4-8 30" X 15" 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND</p> <p>M6-2R 21"x15"</p>
	<p>M4-8 30" X 15" 42" X 30" 5" OR 8" BLACK LETTERS ON REFLECTIVE ORANGE BACKGROUND</p> <p>M6-1R 21"x15"</p>



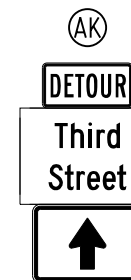
LEGEND:  
 SIGN  
 TYPE III BARRICADE

**EFK·Moen, LLC**  
 Civil Engineering Design

FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION PLAN          EXIT 2A LOCAL TRAFFIC WEEKEND CLOSURE DETOUR SIGNAGE DETAIL</b>		F.A.S. RTE. 799	SECTION 1BR-1-1	COUNTY ST CLAIR	TOTAL SHEETS 315	SHEET NO. 84	
*FILEL*	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -		SCALE: 1" = 200'		SHEET 23	OF 25 SHEETS	STA.	TO STA.	CONTRACT NO. 76C39	
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -		ILLINOIS FED. AID PROJECT							

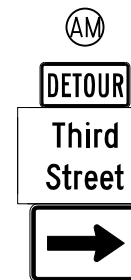


**SIGN LEGEND**



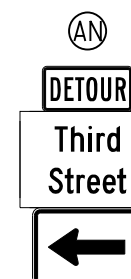
M4-8  
30" X 15"  
42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND

M6-3  
21"x15"



M4-8  
30" X 15"  
42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND

M6-1R  
21"x15"



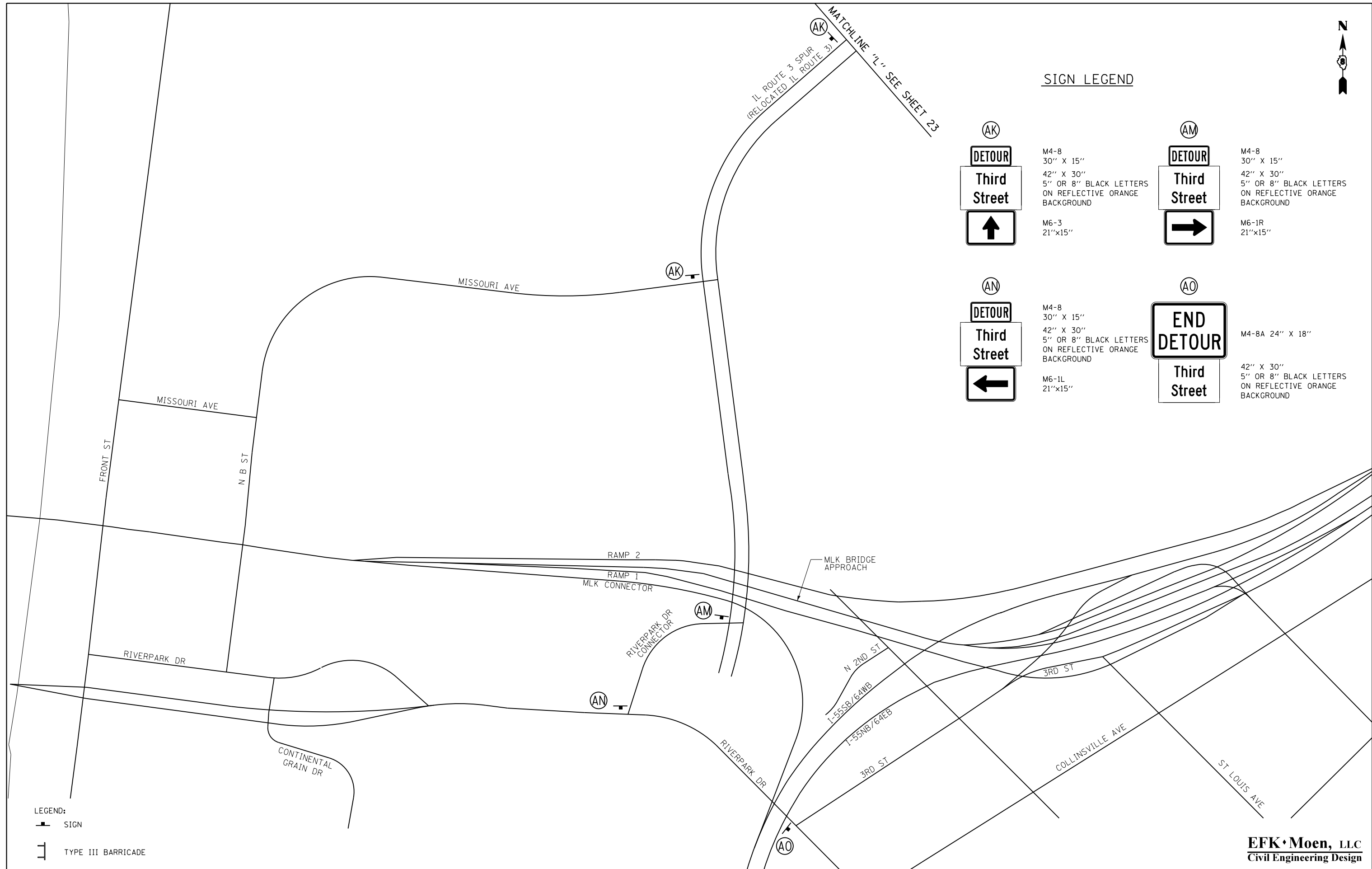
M4-8  
30" X 15"  
42" X 30"  
5" OR 8" BLACK LETTERS  
ON REFLECTIVE ORANGE  
BACKGROUND

M6-1L  
21"x15"



M4-8A 24" X 18"

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



**LEGEND:**  
 SIGN  
 TYPE III BARRICADE

FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
*FILEL*		DRAWN - JRD	REVISED -
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION PLAN  
EXIT 2A LOCAL TRAFFIC WEEKEND CLOSURE DETOUR SIGNAGE DETAIL**

SCALE: 1" = 200' SHEET 24 OF 25 SHEETS STA. TO STA.

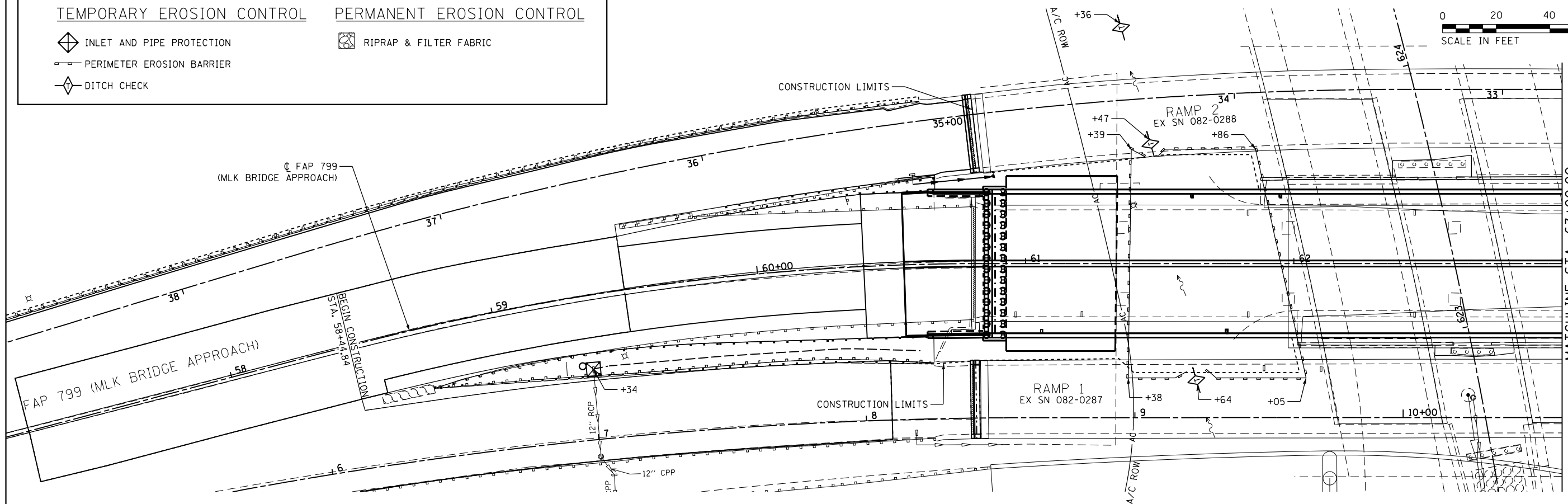
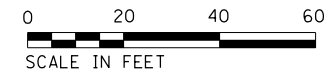
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST CLAIR	315	85
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design

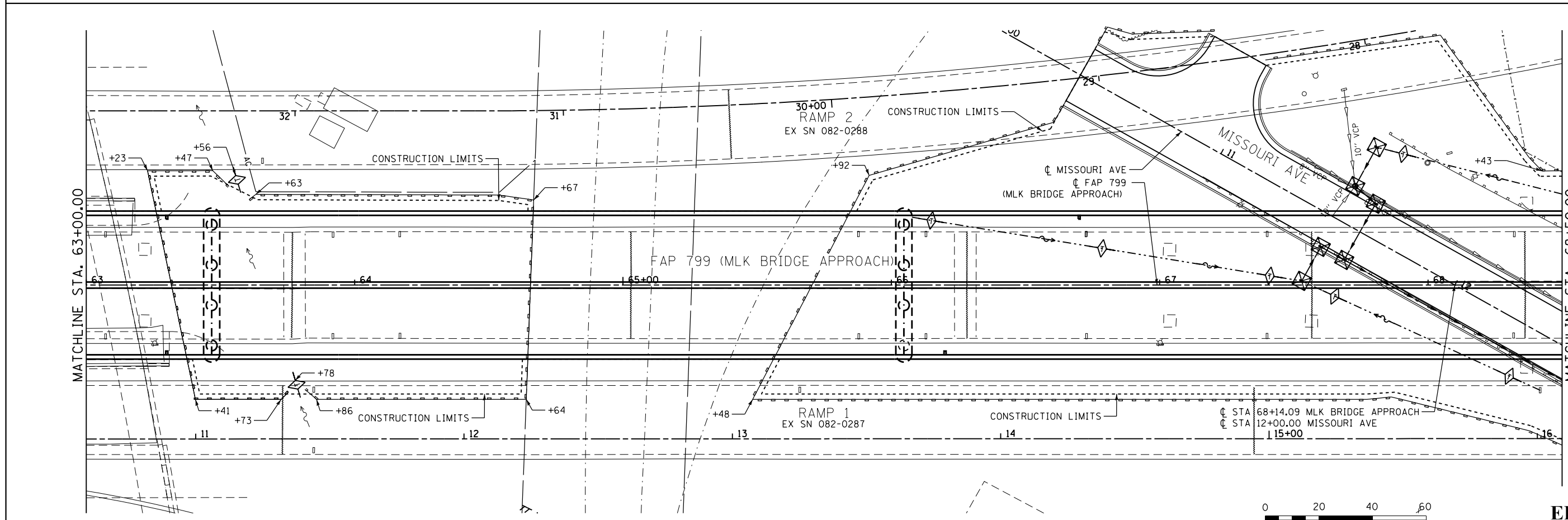


TEMPORARY EROSION CONTROL      PERMANENT EROSION CONTROL

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  DITCH CHECK
-  RIPRAP & FILTER FABRIC



MATCHLINE STA. 63+00.00



MATCHLINE STA. 68+50.00



FILE NAME = 078-DB76639-sht-eros01.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED - SLD	REVISED -
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
FAP 799




SCALE: 1"=20'      SHEET 1 OF 6 SHEETS      STA. 57+00.00 TO STA. 68+50.00


F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 87
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

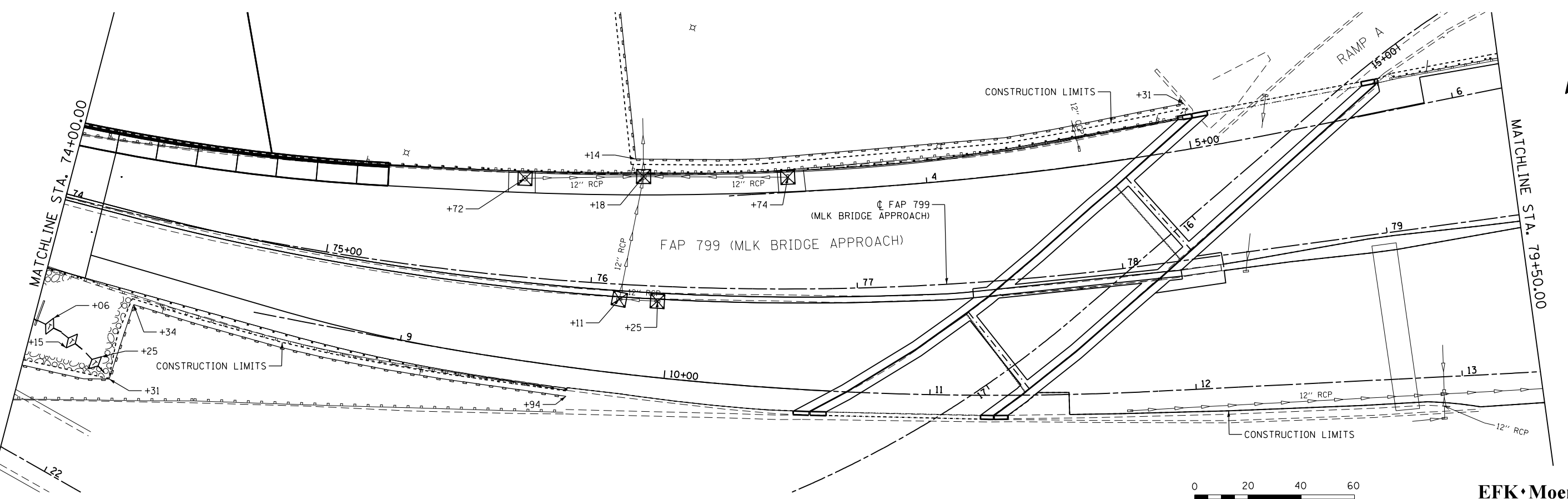
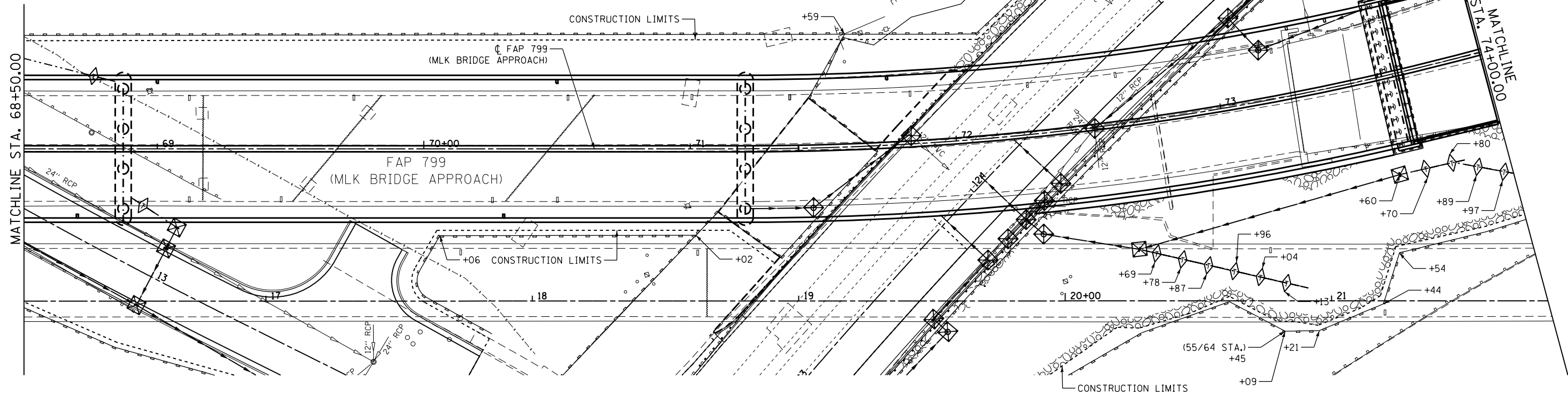
EFK·Moen, LLC  
Civil Engineering Design

TEMPORARY EROSION CONTROL

PERMANENT EROSION CONTROL

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  DITCH CHECK

-  RIPRAP & FILTER FABRIC



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USER NAME = jd  
 PLOT SCALE = 48.0000' / in.  
 PLOT DATE = 3/22/2018

DESIGNED - JRD  
 DRAWN - JRD  
 CHECKED - SLD  
 DATE - 3/22/2018

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

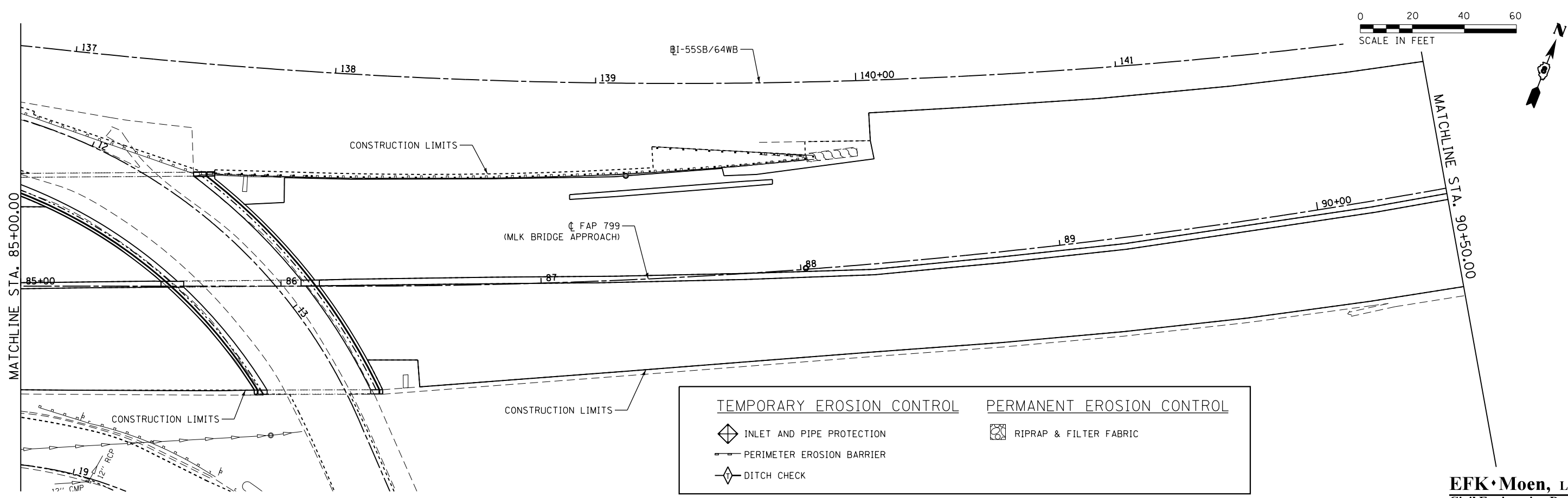
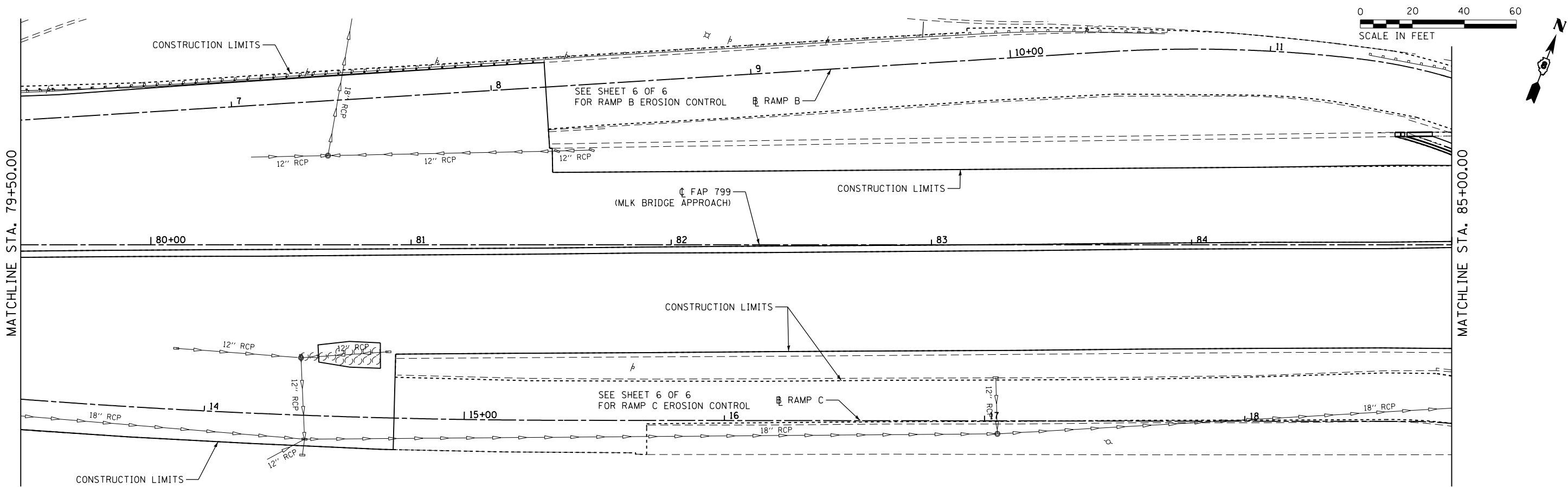
EROSION CONTROL PLAN  
 FAP 799

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 68+50.00 TO STA. 79+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	88
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

**EFK·Moen, LLC**  
 Civil Engineering Design





<b>TEMPORARY EROSION CONTROL</b>		<b>PERMANENT EROSION CONTROL</b>	
	INLET AND PIPE PROTECTION		RIPRAP & FILTER FABRIC
	PERIMETER EROSION BARRIER		
	DITCH CHECK		

**EFK Moen, LLC**  
Civil Engineering Design

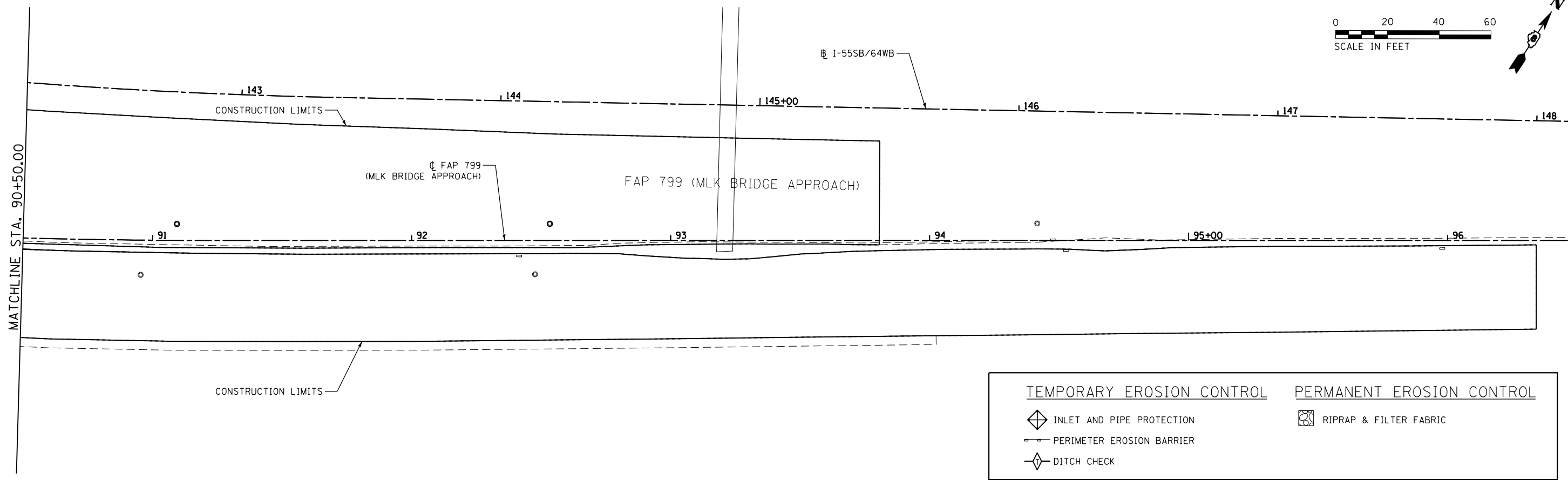
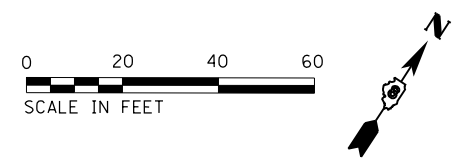
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		DRAWN - JRD	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

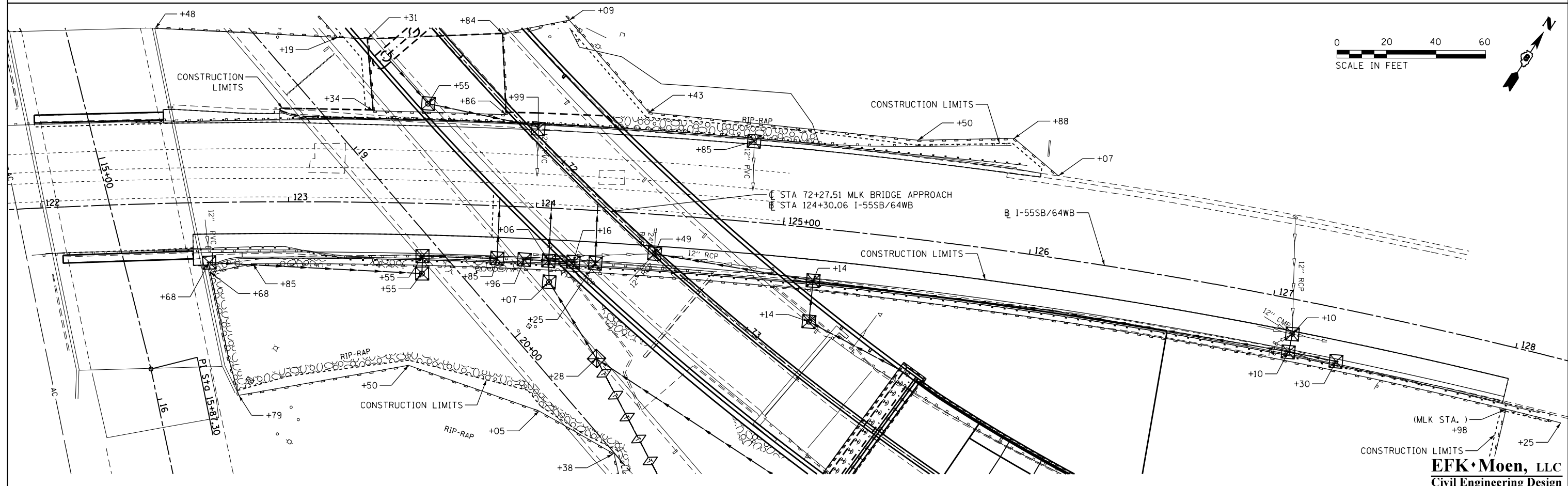
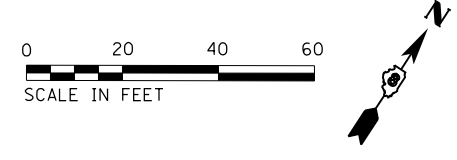
**EROSION CONTROL PLAN**  
**FAP 799**

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 79+50.00 TO STA. 90+50.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 89
			CONTRACT NO. 76G39	
ILLINOIS FED. AID PROJECT				

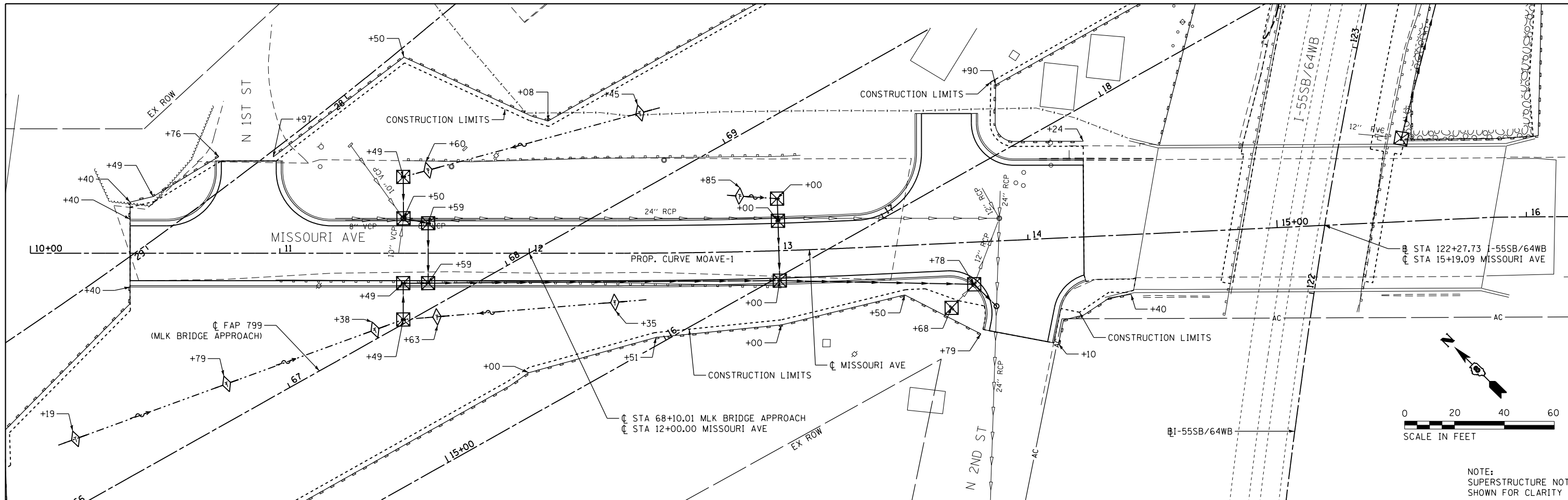


TEMPORARY EROSION CONTROL		PERMANENT EROSION CONTROL	
	INLET AND PIPE PROTECTION		RIPRAP & FILTER FABRIC
	PERIMETER EROSION BARRIER		
	DITCH CHECK		



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 088-DB76G39-shr-eros04.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN FAP 799 &amp; I-55SB /64WB</b>	F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 90	
*MODELNAME*	PLOT SCALE = 48.0000' / in.	CHECKED - SLD	REVISED -			SCALE: 1"=20'	SHEET 4 OF 6 SHEETS	STA. 90+50.00 TO STA. 128+25.00		CONTRACT NO. 76G39	
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -			ILLINOIS FED. AID PROJECT					



NOTE:  
SUPERSTRUCTURE NOT  
SHOWN FOR CLARITY

TEMPORARY EROSION CONTROL		PERMANENT EROSION CONTROL	
	INLET AND PIPE PROTECTION		RIPRAP & FILTER FABRIC
	PERIMETER EROSION BARRIER		
	DITCH CHECK		

FILE NAME = 088-D876G39-sht-eros05.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

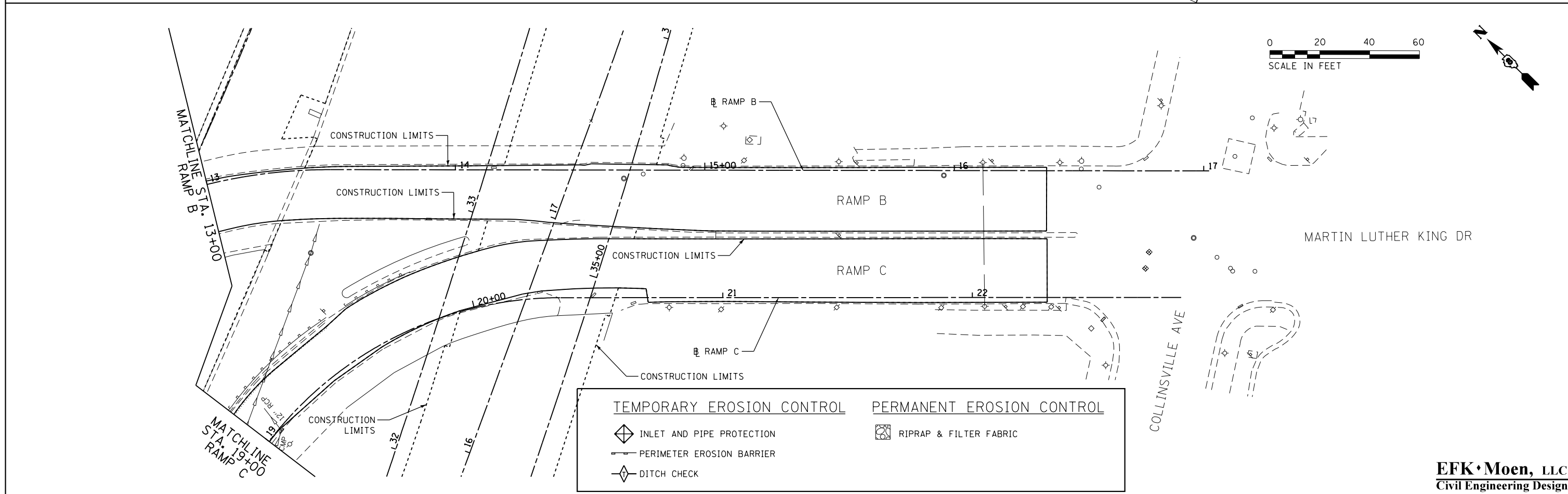
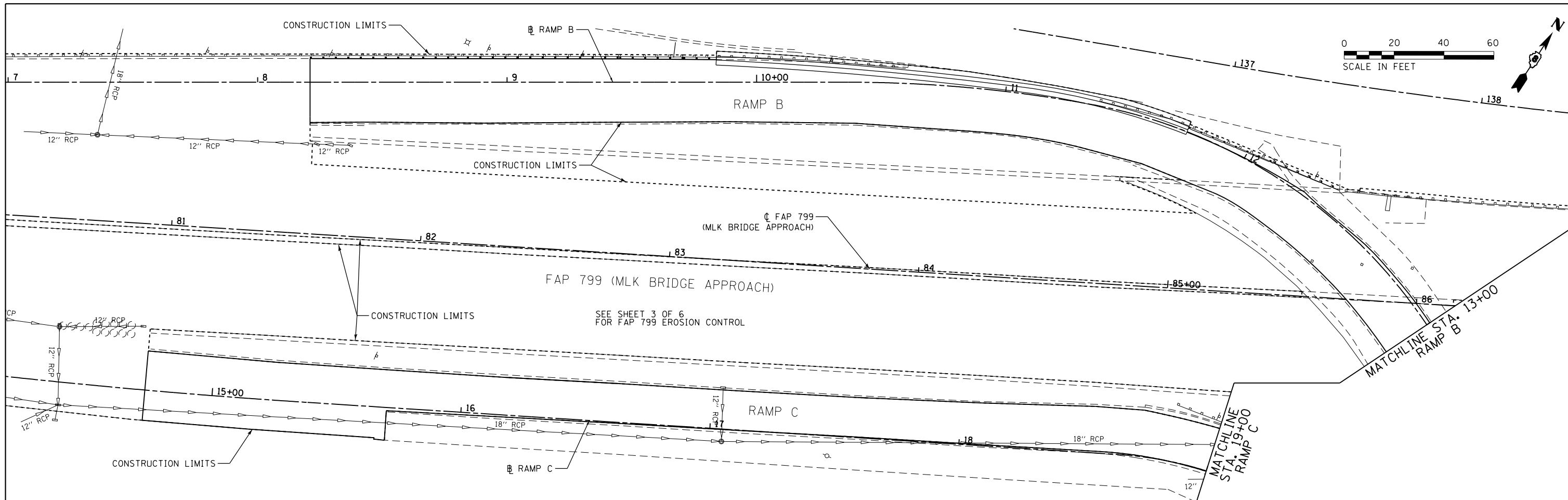
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
MISSOURI AVE**

SCALE: 1"=20'    SHEET 5 OF 6 SHEETS    STA. 10+00.00 TO STA. 16+00.00

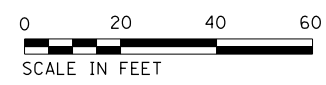
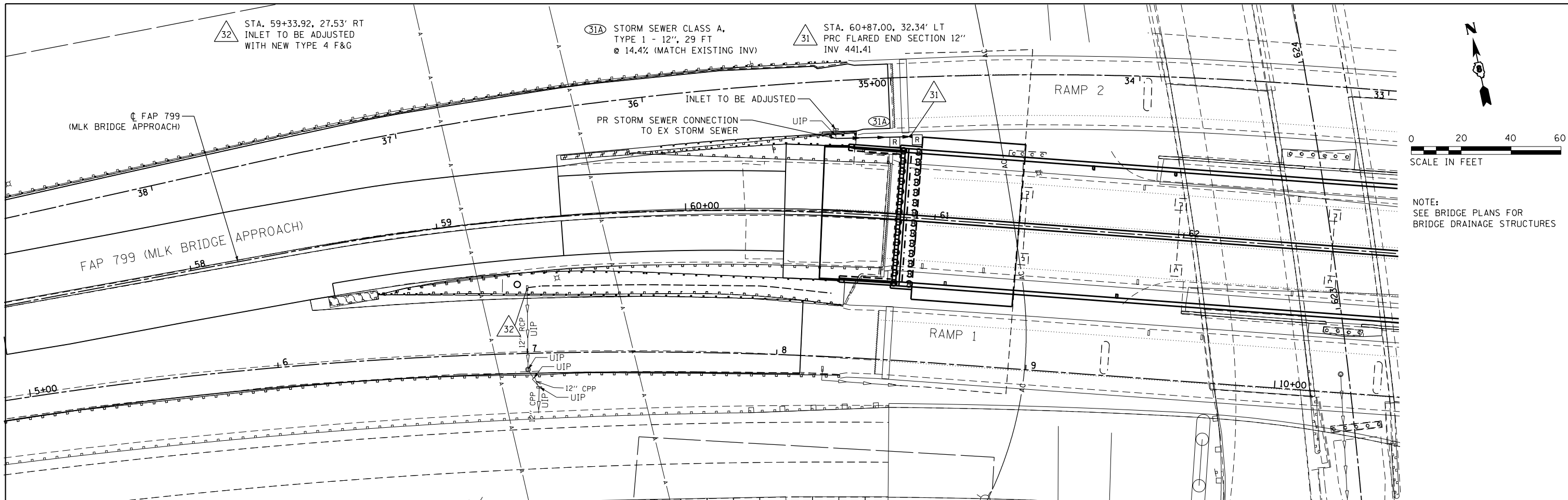
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	91
CONTRACT NO. 76C39				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design

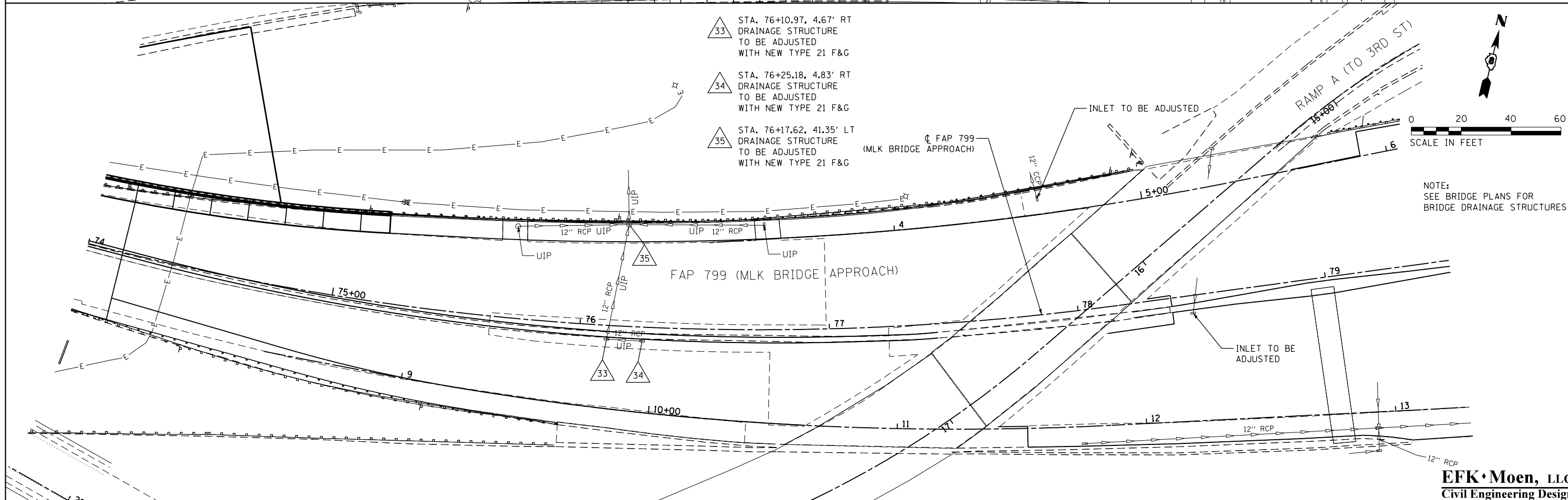


FILE NAME = 088-DB76G39-sht-eros06.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN RAMP B &amp; RAMP C</b>	F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 92	
*MODELNAME*	PLOT SCALE = 48.0000' / in.	CHECKED - SLD	REVISED -			SCALE: 1"=20'	SHEET 6 OF 6 SHEETS	STA. 7+00.00 TO STA. 16+37.00	CONTRACT NO. 76G39		ILLINOIS FED. AID PROJECT
	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -								

**EFK·Moen, LLC**  
Civil Engineering Design



NOTE:  
SEE BRIDGE PLANS FOR  
BRIDGE DRAINAGE STRUCTURES



NOTE:  
SEE BRIDGE PLANS FOR  
BRIDGE DRAINAGE STRUCTURES

FILE NAME = 081-D876039-sh1-drain@dgn  
\*MODELNAME\*

USER NAME = jrd	DESIGNED - JRD	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 3/22/2018	CHECKED - SLD	REVISED -
	DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE  
FAP 799**

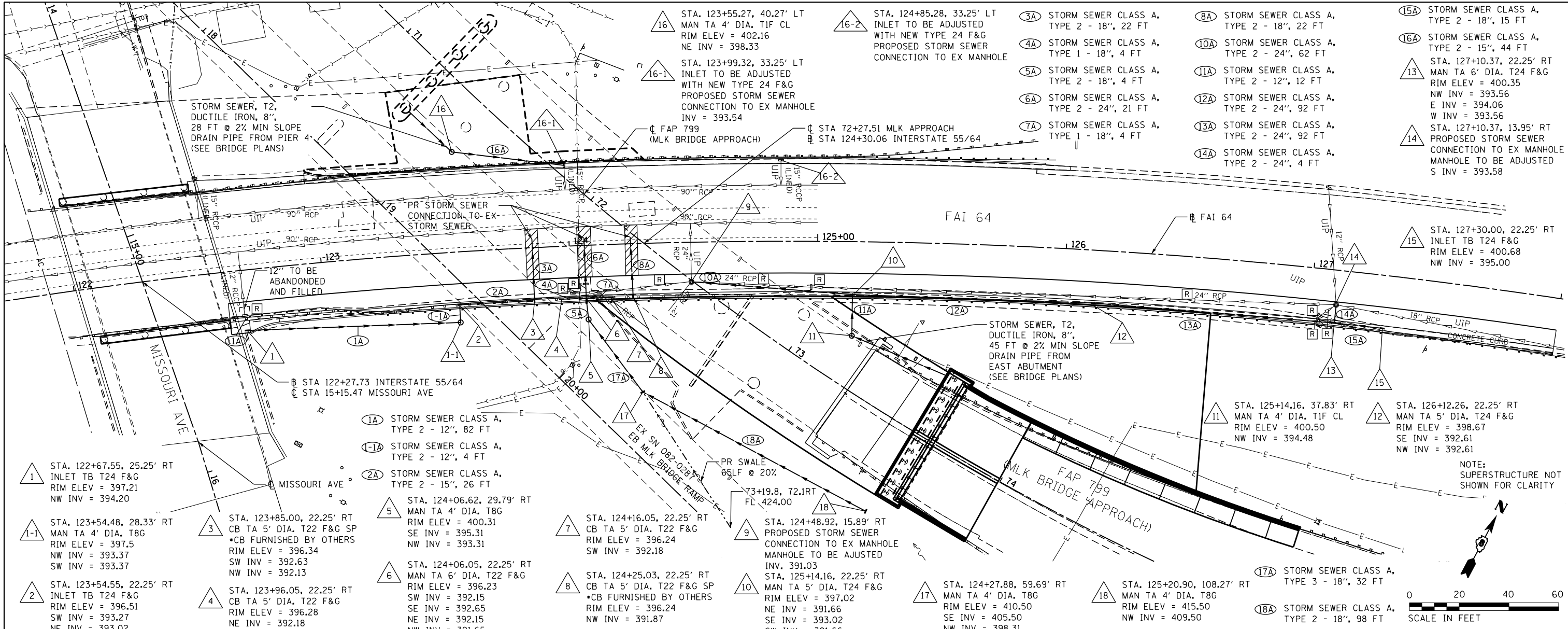
SCALE: 1"=20'    SHEET 1 OF 4 SHEETS    STA. 57+25 TO STA. 79+50.00

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 93
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

**EFK Moen, LLC**  
Civil Engineering Design

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	FILE NAME
	NO.

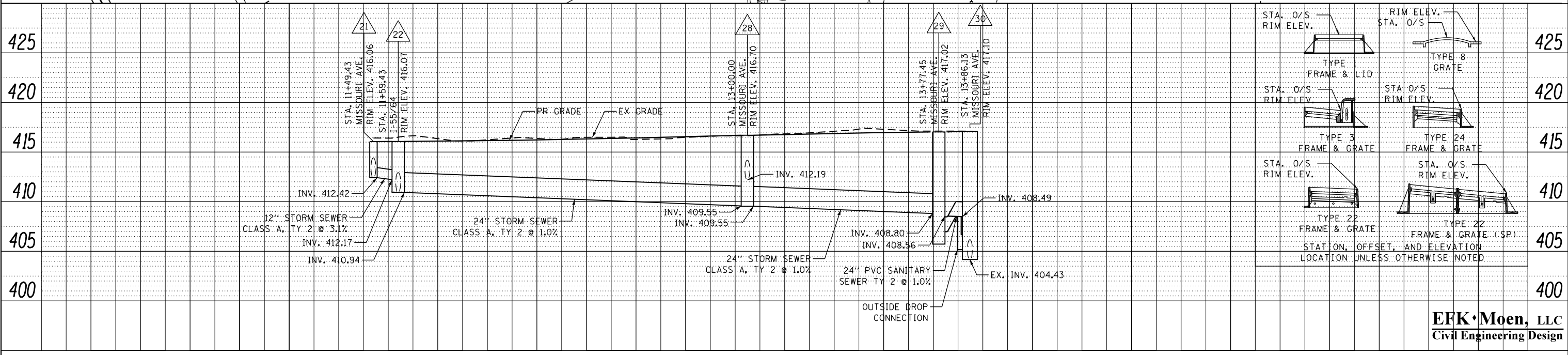
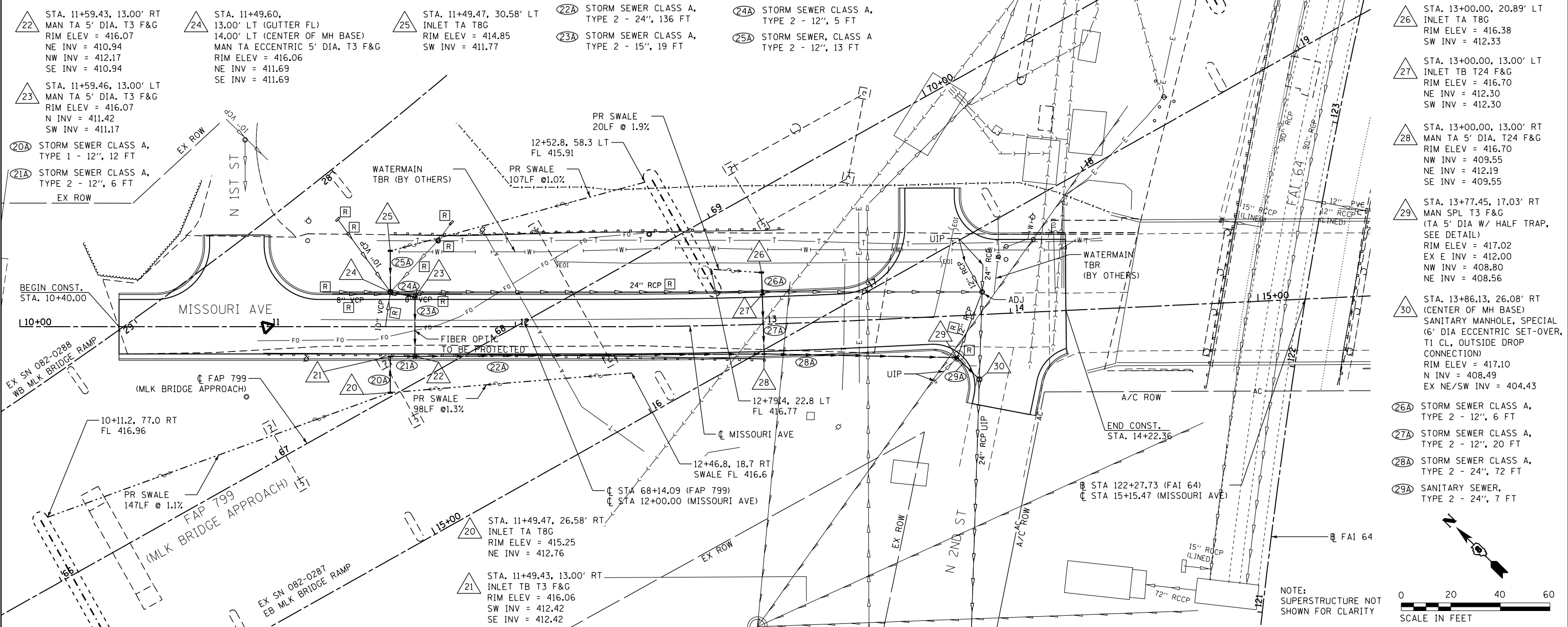
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CHP/D
	NO.



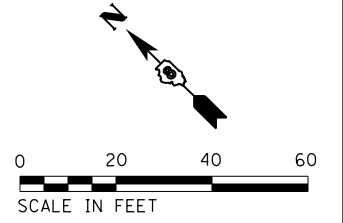
STATION	OFFSET	RIM ELEV.	INVERT	STRUCTURE	DIAGRAM	STATION	OFFSET	RIM ELEV.	INVERT	STRUCTURE	DIAGRAM
410						410					
405						405					
400						400					
395						395					
390						390					
385						385					
STA. 122+67.55	1-55/64	RIM ELEV. 397.21	INV. 394.20	TYPE 8 GRATE		STA. 123+54.48	1-55/64	RIM ELEV. 397.5	INV. 393.37	TYPE 24 FRAME & GRATE	
STA. 123+54.48	1-55/64	RIM ELEV. 397.5	INV. 393.37	TYPE 24 FRAME & GRATE		STA. 123+54.55	1-55/64	RIM ELEV. 396.51	INV. 393.37	TYPE 24 FRAME & GRATE	
STA. 123+54.55	1-55/64	RIM ELEV. 396.51	INV. 393.37	TYPE 24 FRAME & GRATE		STA. 123+96.05	1-55/64	RIM ELEV. 396.28	INV. 392.18	TYPE 24 FRAME & GRATE	
STA. 123+96.05	1-55/64	RIM ELEV. 396.28	INV. 392.18	TYPE 24 FRAME & GRATE		STA. 124+06.62	1-55/64	RIM ELEV. 400.31	INV. 395.31	TYPE 24 FRAME & GRATE	
STA. 124+06.62	1-55/64	RIM ELEV. 400.31	INV. 395.31	TYPE 24 FRAME & GRATE		STA. 124+06.05	1-55/64	RIM ELEV. 396.23	INV. 392.15	TYPE 24 FRAME & GRATE	
STA. 124+06.05	1-55/64	RIM ELEV. 396.23	INV. 392.15	TYPE 24 FRAME & GRATE		STA. 124+16.05	1-55/64	RIM ELEV. 396.24	INV. 392.18	TYPE 24 FRAME & GRATE	
STA. 124+16.05	1-55/64	RIM ELEV. 396.24	INV. 392.18	TYPE 24 FRAME & GRATE		STA. 124+25.03	1-55/64	RIM ELEV. 396.24	INV. 391.87	TYPE 24 FRAME & GRATE	
STA. 124+25.03	1-55/64	RIM ELEV. 396.24	INV. 391.87	TYPE 24 FRAME & GRATE		STA. 124+48.92	1-55/64	RIM ELEV. 397.02	INV. 391.03	TYPE 24 FRAME & GRATE	
STA. 124+48.92	1-55/64	RIM ELEV. 397.02	INV. 391.03	TYPE 24 FRAME & GRATE		STA. 125+14.16	1-55/64	RIM ELEV. 397.02	INV. 391.66	TYPE 24 FRAME & GRATE	
STA. 125+14.16	1-55/64	RIM ELEV. 397.02	INV. 391.66	TYPE 24 FRAME & GRATE		STA. 124+27.88	1-55/64	RIM ELEV. 410.50	INV. 405.50	TYPE 24 FRAME & GRATE	
STA. 124+27.88	1-55/64	RIM ELEV. 410.50	INV. 405.50	TYPE 24 FRAME & GRATE		STA. 125+20.90	1-55/64	RIM ELEV. 415.50	INV. 409.50	TYPE 24 FRAME & GRATE	
STA. 125+20.90	1-55/64	RIM ELEV. 415.50	INV. 409.50	TYPE 24 FRAME & GRATE		STA. 127+10.37	1-55/64	RIM ELEV. 400.35	INV. 393.56	TYPE 24 FRAME & GRATE	
STA. 127+10.37	1-55/64	RIM ELEV. 400.35	INV. 393.56	TYPE 24 FRAME & GRATE		STA. 126+12.26	1-55/64	RIM ELEV. 398.67	INV. 392.61	TYPE 24 FRAME & GRATE	
STA. 126+12.26	1-55/64	RIM ELEV. 398.67	INV. 392.61	TYPE 24 FRAME & GRATE		STA. 127+10.37	1-55/64	RIM ELEV. 400.68	INV. 395.00	TYPE 24 FRAME & GRATE	
STA. 127+10.37	1-55/64	RIM ELEV. 400.68	INV. 395.00	TYPE 24 FRAME & GRATE							

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

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



- △ 22 STA. 11+59.43, 13.00' RT  
MAN TA 5' DIA. T3 F&G  
RIM ELEV = 416.07  
NE INV = 410.94  
NW INV = 412.17  
SE INV = 410.94
- △ 23 STA. 11+59.46, 13.00' LT  
MAN TA 5' DIA. T3 F&G  
RIM ELEV = 416.07  
N INV = 411.42  
SW INV = 411.17
- △ 24 STA. 11+49.60,  
13.00' LT (GUTTER FL)  
14.00' LT (CENTER OF MH BASE)  
MAN TA ECCENTRIC 5' DIA. T3 F&G  
RIM ELEV = 416.06  
NE INV = 411.69  
SE INV = 411.69
- △ 25 STA. 11+49.47, 30.58' LT  
INLET TA T8C  
RIM ELEV = 414.85  
SW INV = 411.77
- △ 26 STA. 13+00.00, 20.89' LT  
INLET TA T8C  
RIM ELEV = 416.38  
SW INV = 412.33
- △ 27 STA. 13+00.00, 13.00' LT  
INLET TB T24 F&G  
RIM ELEV = 416.70  
NE INV = 412.30  
SW INV = 412.30
- △ 28 STA. 13+00.00, 13.00' RT  
MAN TA 5' DIA. T24 F&G  
RIM ELEV = 416.70  
NW INV = 409.55  
NE INV = 412.19  
SE INV = 409.55
- △ 29 STA. 13+77.45, 17.03' RT  
MAN SPL T3 F&G  
(TA 5' DIA W/ HALF TRAP,  
SEE DETAIL)  
RIM ELEV = 417.02  
EX E INV = 412.00  
NW INV = 408.80  
NE INV = 408.56
- △ 30 STA. 13+86.13, 26.08' RT  
(CENTER OF MH BASE)  
SANITARY MANHOLE, SPECIAL  
(6' DIA ECCENTRIC SET-OVER,  
T1 CL, OUTSIDE DROP  
CONNECTION)  
RIM ELEV = 417.10  
N INV = 408.49  
EX NE/SW INV = 404.43
- 20A STORM SEWER CLASS A,  
TYPE 2 - 12", 12 FT
- 21A STORM SEWER CLASS A,  
TYPE 2 - 12", 6 FT
- 22A STORM SEWER CLASS A,  
TYPE 2 - 24", 136 FT
- 23A STORM SEWER CLASS A,  
TYPE 2 - 15", 19 FT
- 24A STORM SEWER CLASS A,  
TYPE 2 - 12", 5 FT
- 25A STORM SEWER, CLASS A  
TYPE 2 - 12", 13 FT
- 26A STORM SEWER CLASS A,  
TYPE 2 - 12", 6 FT
- 27A STORM SEWER CLASS A,  
TYPE 2 - 12", 20 FT
- 28A STORM SEWER CLASS A,  
TYPE 2 - 24", 72 FT
- 29A SANITARY SEWER,  
TYPE 2 - 24", 7 FT



NOTE:  
SUPERSTRUCTURE NOT  
SHOWN FOR CLARITY

FILE NAME = 083-087603-sh-t-dr-ain@3.dgn

USER NAME = jd	DESIGNED - JRD	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JRD	REVISED -
PLOT DATE = 3/22/2018	CHECKED - SLD	REVISED -
	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

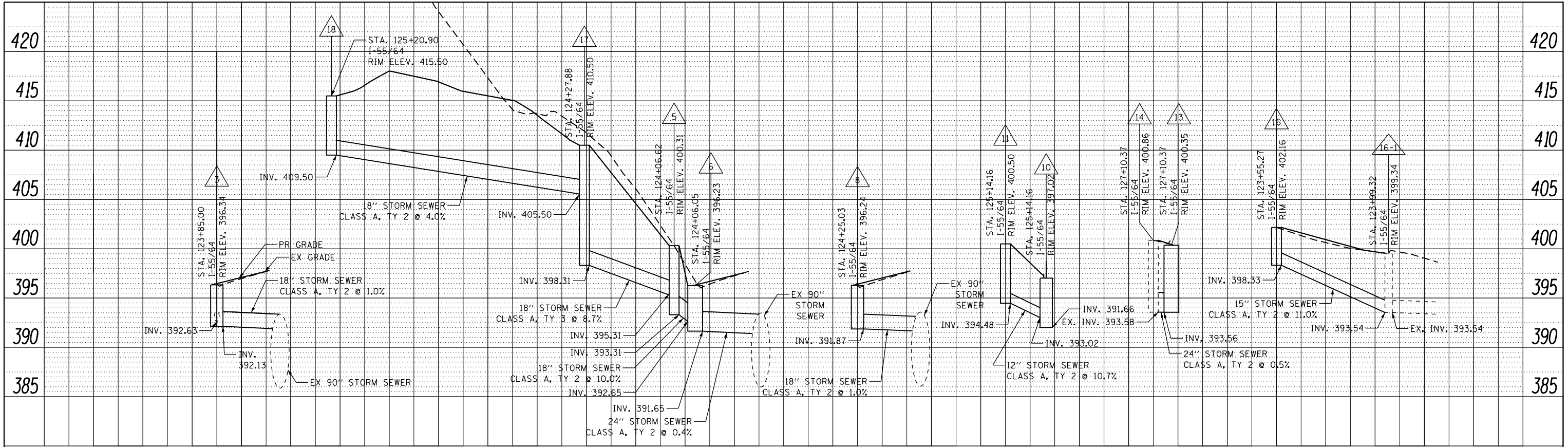
DRAINAGE PLAN & PROFILE  
MISSOURI AVE

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. 10+00.00 TO STA. 15+45.00

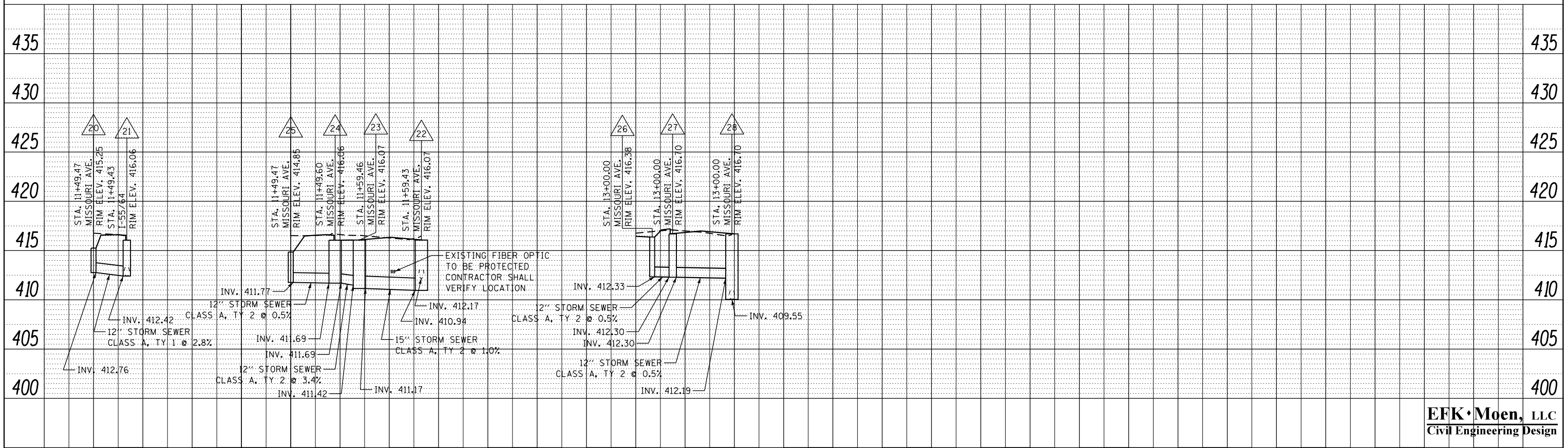
F.A.P. R.T.E. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 95
			CONTRACT NO. 76C39	
ILLINOIS FED. AID PROJECT				

**EFK•Moen, LLC**  
Civil Engineering Design

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	FILE NAME	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	FILE NAME	
	NO.	



FILE NAME =	USER NAME = jd	DESIGNED - JRD	REVISED -
084-087603-shd-drain-prf01-.dgn		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
*MODELNAME*		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILES

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

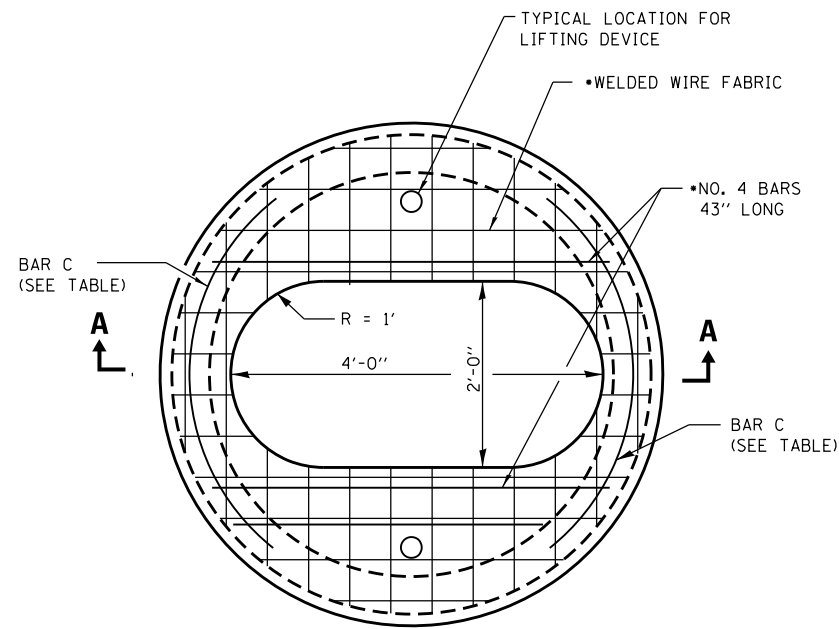
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	IBR-1-1	ST. CLAIR	315	96
			CONTRACT NO.	76C39
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC  
Civil Engineering Design

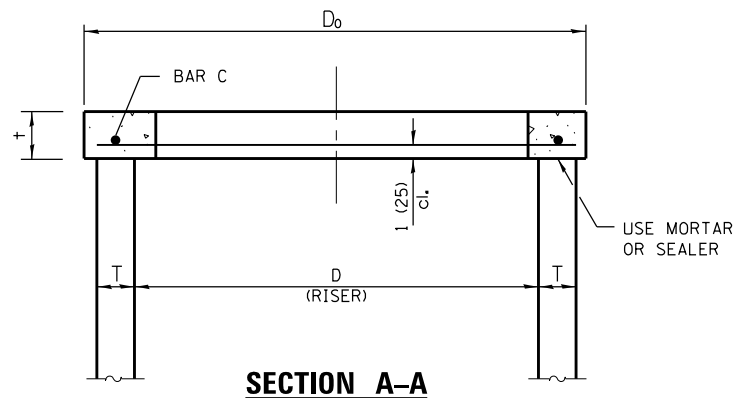


**FLAT SLAB TOP DETAIL**

NOT TO SCALE



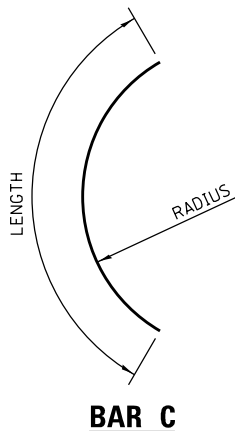
• PRECAST CONCRETE MANUFACTURER SHOULD BE CONSULTED REGARDING THE PLACEMENT AND SIZE OF THE REINFORCEMENT.



**SECTION A-A**

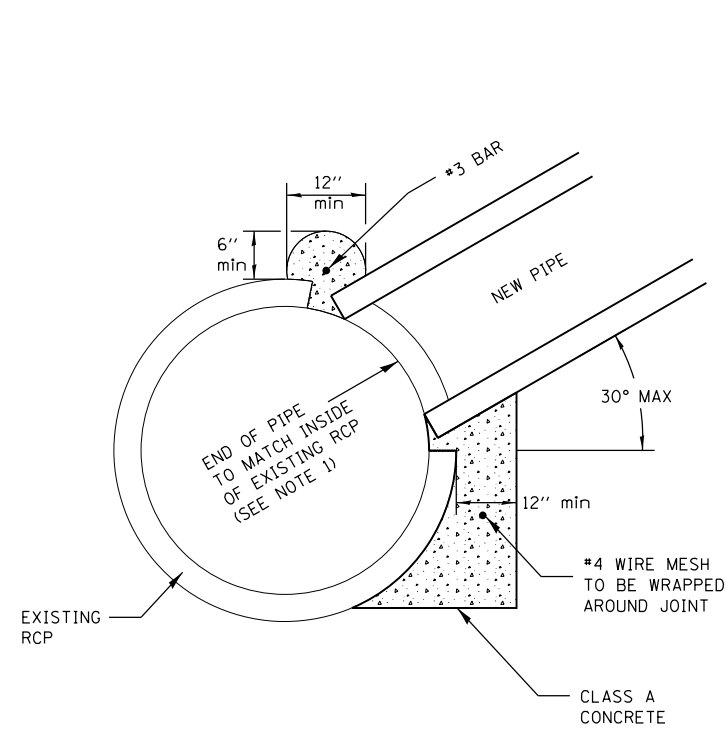
**TABLE**

D	T	D <sub>0</sub> (min.)	t	Reinforcement "As" W.W.F. OR Bar each direction	No. 4 Bar C size	Length	Radius
36	See applicable Standards	D + 2T	6	0.20 sq. in./ft.	No. 4	4'-0"	19
4'-0"			6	0.35 sq. in./ft.	No. 5	4'-6"	26
5'-0"			8	0.35 sq. in./ft.	No. 5	5'-0"	32

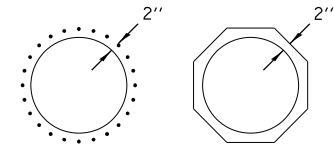


**CONNECTION TO EXISTING RCP 90" STORM SEWER**

NOT TO SCALE



- NOTES:
1. MAXIMUM DIAMETER OF NEW PIPE EQUALS ONE HALF OF EXISTING PIPE'S DIAMETER.
  2. REMOVAL OF PLUG FROM EXISTING RCP TO BE ACCOMPLISHED BY USING A MASONRY DRILL AT A SPACING EQUAL TO THE DRILL BIT DIAMETER IN A CIRCULAR PATTERN OR PATTERN PER DETAIL.
  3. CONCRETE COLLAR SHALL BE INCLUDED IN THE UNIT PRICE FOR PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER.



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 085-088-0876039-shd-detail Drainage.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS  
MISCELLANEOUS

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

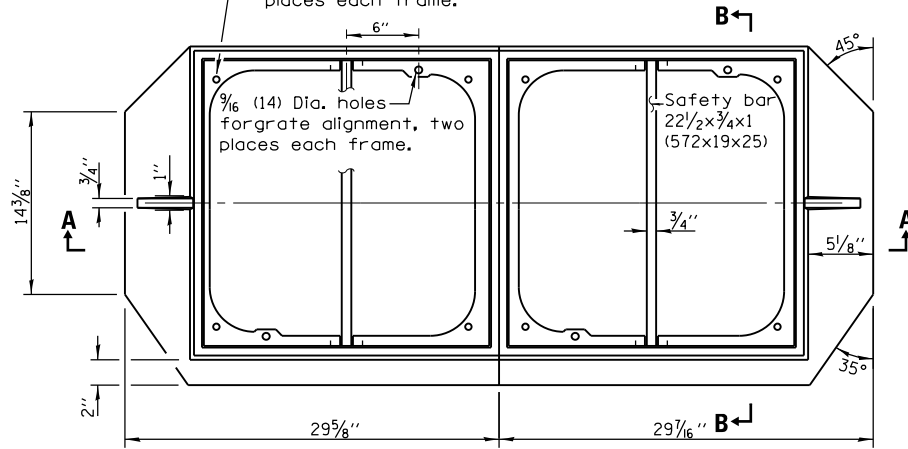
F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 97
CONTRACT NO. 76G39				ILLINOIS FED. AID PROJECT

**TYPE 22 FRAME AND GRATE (SPECIAL)  
DRAINAGE STRUCTURES**

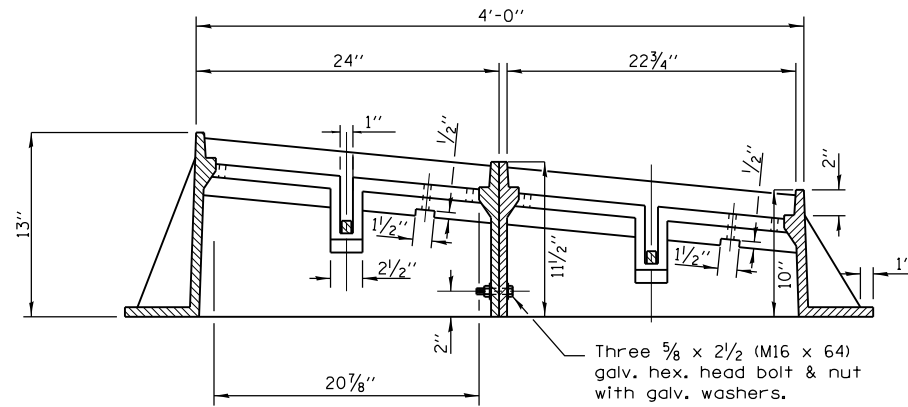
NOT TO SCALE

STRUCTURE  $\triangle 3$   $\triangle 8$

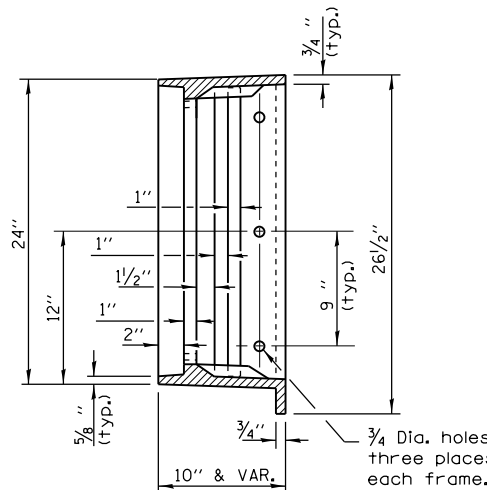
1/2 (13) Dia. tapped holes for bolting down grate, four places each frame.



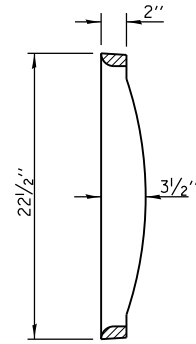
**PLAN VIEW**



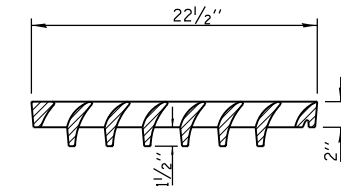
**SECTION A-A**



**SECTION B-B**

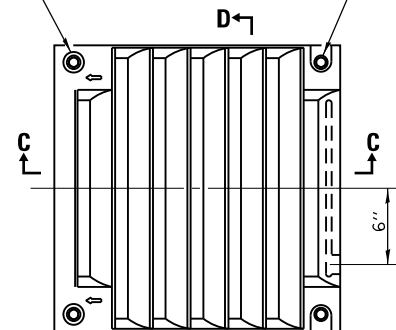


**SECTION D-D**

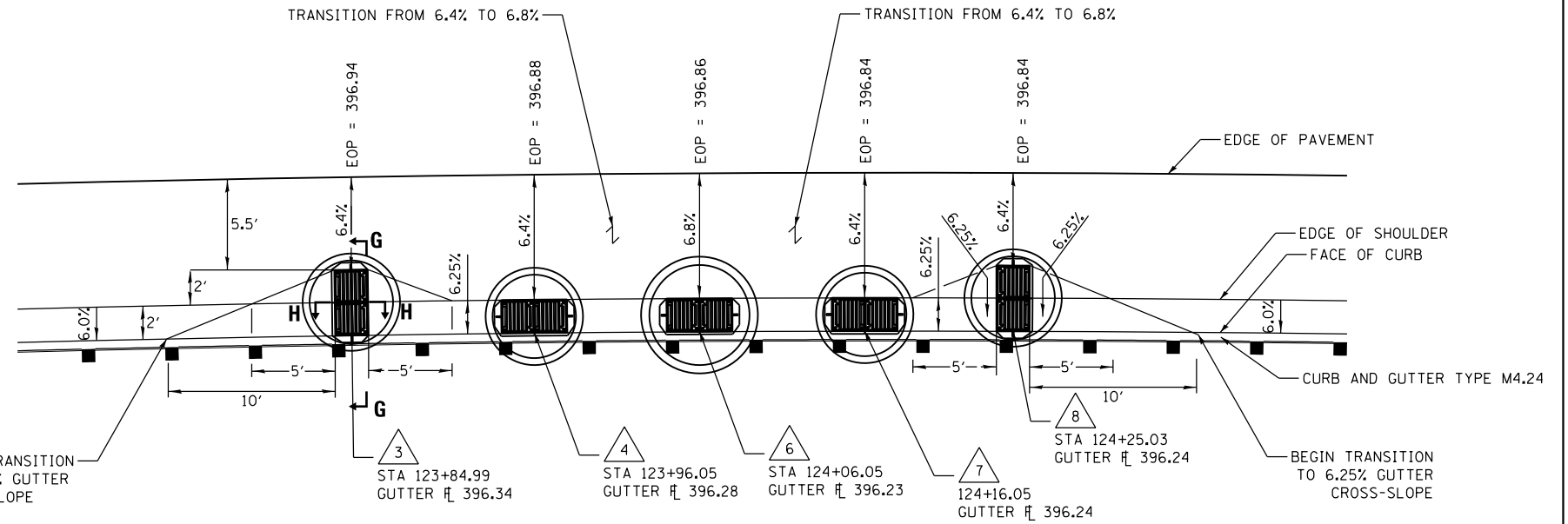


**SECTION C-C**

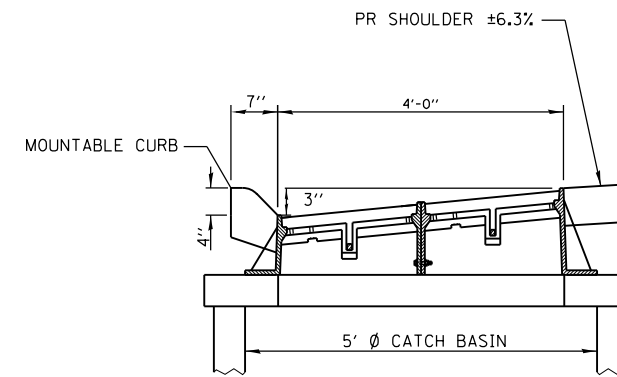
1/2 (13) Dia. stainless steel bolts with washers, through counter bored holes or slots, four places each grate.



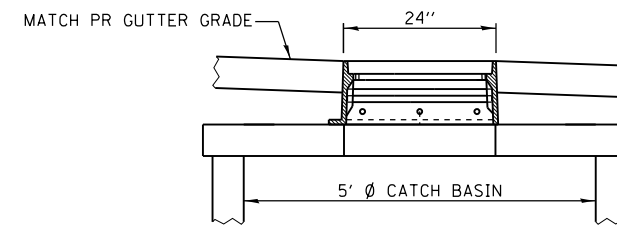
**CAST GRATE**



**CURB AND GUTTER TRANSITION DETAIL  
PLAN VIEW**



**SECTION G-G**



**SECTION H-H**

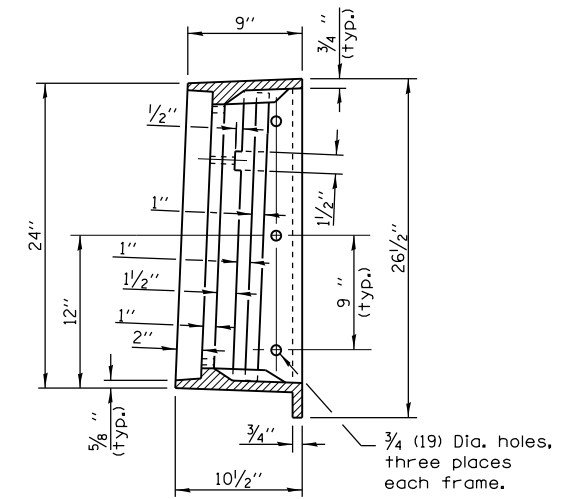
**TYPE 22 FRAME AND GRATE**

NOT TO SCALE

DRAINAGE STRUCTURES

STRUCTURE  $\triangle 4$   $\triangle 6$   $\triangle 7$

IDOT HIWAY STANDARD 604081  
MODIFIED AS SHOWN TO MATCH PROPOSED GUTTER SLOPE  
NOT TO SCALE



**SECTION B-B**

NOT TO SCALE

FILE NAME = 085-088-0876039-shd-detail Drainage.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/22/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS  
FRAME AND GRATE TYPE 22 (SP)**

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

F.A.P. RTE. 799	SECTION 1BR-1-1	COUNTY ST. CLAIR	TOTAL SHEETS 315	SHEET NO. 98
CONTRACT NO. 76C39			ILLINOIS FED. AID PROJECT	

**EFK·Moen, LLC  
Civil Engineering Design**

## SANITARY SEWER (COMBINED SEWER) GENERAL NOTES

### GENERAL:

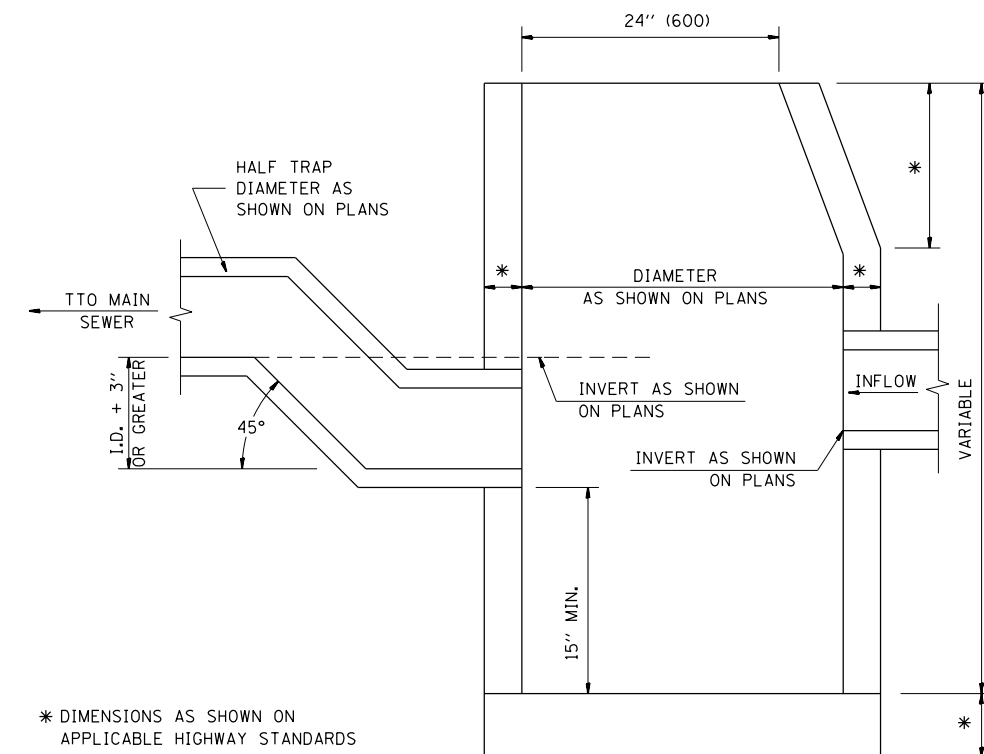
- PRIOR TO COMMENCEMENT OF ANY SEWER WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PLANS WITH THE EXISTING CONDITIONS. IF A DISCREPANCY OCCURS FROM WHAT IS SHOWN ON THE PLANS, STANDARD SPECIFICATIONS, AND/OR DETAILS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE AFFECTED WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AT LEAST 48 HOURS PRIOR TO INSTALLING SANITARY SEWERS, AND BEFORE PERFORMING ANY SANITARY SEWER TESTING. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER.
- PROTECTION OF WATER MAIN FROM SEWER MAIN IS REQUIRED AND SHALL BE IN ACCORDANCE WITH ARTICLES 41-2.01A AND 41-2.01B OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION.
- THE CONTRACTOR SHALL CLEAN ALL STORM AND SANITARY SEWERS THAT COLLECT MUD, DEBRIS, CONCRETE, ETC WHILE THE WORK IS UNDER THE RESPONSIBILITY OF THE CONTRACTOR. DEBRIS SHALL NOT BE FLUSHED INTO A SANITARY SEWER.
- ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION.
- ALL SANITARY SEWERS SHALL BE OF THE MATERIAL SPECIFIED ON THE PLANS OR IN THE SPECIFICATIONS. ALL PVC SANITARY SEWER PIPES SHALL BE PVC SDR-26 MEETING THE REQUIREMENTS OF ASTM F679 WITH ELASTOMERIC JOINTS MEETING THE REQUIREMENTS OF ASTM D 3217 AND F477.
- BEDDING OF THE PIPE AND BACKFILL SHALL BE IN ACCORDANCE WITH ASTM D 2321 CLASS IA (FOR FLEXIBLE PIPE) OR ASTM C 12 CLASS B (FOR RIGID PIPE), THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND AS SHOWN IN THE PLANS. GRANULAR TRENCH BACKFILL SHALL BE USED AS INDICATED ON THE PLANS AND WHEN THE EDGE OF ANY TRENCH IS WITHIN 2 FEET OF ANY PAVEMENT, CURB, SIDEWALK, OR OTHER STRUCTURE. TRENCH BACKFILL SHALL BE COMPACTED WITH A ROLLER, VIBRATORY PLATE, OR OTHER COMPACTING DEVICE IN 12-INCH LIFTS.
- ALL SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE TYPE A, MINIMUM 48-INCH DIAMETER WITH GASKETED INVERTS, ECCENTRIC CONES, AND STEPS IN ACCORDANCE WITH STANDARD DRAWING NO. 3SAN AND SECTION 32 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PRECAST CONCRETE STRUCTURES SHALL CONFORM TO ASTM C 478. CONES AND SECTIONS SHALL BE SUBSTANTIALLY FREE FROM FRACTURES, LARGE OR DEEP CRACKS, AND SURFACE ROUGHNESS. JOINTS SHALL BE SEALED WITH A PRE-MOLDED JOINT SEALER AND WRAPPED ON THE OUTSIDE WITH A 9" CONCRETE JOINT WRAP. CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF GRAY IRON CASTINGS ASTM A 48 OR DUCTILE IRON CASTINGS ASTM A 536. SANITARY SEWER MANHOLE LIDS SHALL HAVE THE WORD "SANITARY" CAST IN TO THE FACE AND BE FURNISHED WITH A CONCEALED "PICK HOLE". SANITARY SEWER MANHOLE FRAME AND GRATES SHALL BE NEENAH R-1772.
- MANHOLES SHALL BE CONSTRUCTED WITH A SILICA FUME ADMIXTURE SPECIFICALLY TO PREVENT HYDROGEN SULFIDE CORROSION OF THE PRE-CAST CONCRETE. SUBMITTAL DETAILING THE TYPE OF SILICA FUME ADMIXTURE AND ITS SUITABILITY FOR THIS APPLICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- WHEN CONNECTIONS ARE TO BE MADE TO EXISTING STRUCTURES OR SEWERS, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATIONS OF THE EXISTING FACILITIES PRIOR TO MAKING THE CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE EXISTING FACILITIES ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE PLANS.
- PVC PIPE SHALL BE STORED UNDER COVER TO PROTECT FROM ULTRAVIOLET LIGHT.
- DEWATERING OF THE SEWER TRENCH SHALL BE IN ACCORDANCE WITH ARTICLES 20-4.04 AND 31-1.03 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION. DEWATERING INTO THE CITY'S SEWER SYSTEM IS NOT ALLOWED. DEWATERING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT COST OF THE SEWER PIPE.

### TESTING AND INSPECTION FOR ACCEPTANCE:

- TESTING AND INSPECTION WILL BE IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS. TESTING AND ANY REPAIR OR REPLACEMENT OF ITEMS FOUND TO BE UNSATISFACTORY WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT COSTS OF SEWER PIPE AND STRUCTURES.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER AT LEAST 48 HOURS PRIOR TO PERFORMING ANY SANITARY SEWER TESTING. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER.
- A VISUAL INSPECTION, INCLUDING LAMPING, SHALL BE MADE OF ALL GRAVITY SEWERS. ALL OBSTRUCTIONS SHALL BE REMOVED. ANY SEWER SHOWING UNDUE DEVIATION FROM LINE AND GRADE SHALL BE CONSIDERED AS UNSATISFACTORY AND SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.
- TESTING OF THE SANITARY SEWERS FOR ACCEPTABILITY SHALL BE CONDUCTED BY THE EXFILTRATION BY AIR TESTING TECHNIQUE. THE CONTRACTOR SHALL BE REQUIRED TO TEST ALL GRAVITY SEWER MAINS. ALL TESTING SHALL BE IN ACCORDANCE WITH ARTICLE 31-1.13 METHOD A, EXFILTRATION OF AIR UNDER PRESSURE, OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- GRAVITY SEWER LINES SHALL BE TESTED FOR EXCESS DEFLECTION BY PULLING A MANDREL THROUGH THE PIPE FROM MANHOLE TO MANHOLE. TEST SHALL BE IN ACCORDANCE WITH ARTICLE 31-1.13 METHOD D, DEFLECTION TESTING FOR FLEXIBLE PIPE MATERIALS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
- THE OUTSIDE DIAMETER OF THE TEST MANDREL SHALL BE EQUAL TO NINETY-FIVE PERCENT (95%) OF THE ORIGINAL INSIDE DIAMETER OF THE PIPE BEING USED. THE INDIVIDUAL LINES TO BE TESTED SHALL BE TESTED NO SOONER THAN 30 DAYS AFTER THEY HAVE BEEN INSTALLED. WHENEVER POSSIBLE AND PRACTICAL THE TESTING SHALL BE INITIATED AT THE DOWNSTREAM LINES AND PROCEED TOWARD THE UPSTREAM LINES.
- WHERE DEFLECTION IS FOUND TO BE IN EXCESS OF 5% OF THE ORIGINAL PIPE DIAMETER, THE CONTRACTOR SHALL EXCAVATE TO THE POINT OF EXCESS DEFLECTION AND CAREFULLY COMPACT AROUND THE POINT WHERE EXCESS DEFLECTION WAS FOUND. THE LINE SHALL BE RETESTED FOR DEFLECTION. HOWEVER, SHOULD THE DEFLECTED PIPE FAIL TO RETURN TO THE ORIGINAL SIZE (INSIDE DIAMETER) AFTER THE CORRECTIVE MEASURES, THE LINE SHALL BE REPLACED. THE ENTIRE SYSTEM SHALL BE TESTED. ANY REPAIRED SECTIONS SHALL BE VIDEO INSPECTED. DEFLECTION TESTING, POSSIBLE REPAIR AND REPLACEMENT, AND POSSIBLE VIDEO INSPECTION SHALL BE INCLUDED IN THE UNIT COST OF THE SEWER PIPE, AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- LEAK TESTING FOR MANHOLES SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH ASTM C 1244 "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE PRESSURE (VACUUM) TEST". THE CONTRACTOR SHALL REPAIR OR REPLACE ANY LINE OR STRUCTURE WHICH FAILS ANY OF THE REQUIRED TESTS, AND RETESTS. ALL SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED.

### HALF TRAP DETAIL

NOT TO SCALE



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME =	USER NAME = jrd	DESIGNED - JRD	REVISED -
085-088-0876039-shr-detail Drainage.dgn		DRAWN - JRD	REVISED -
	PLOT SCALE = 5.0000' / 1"	CHECKED - SLD	REVISED -
\$MODELNAME\$	PLOT DATE = 3/22/2018	DATE - 3/22/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER (COMBINED SEWER) NOTES AND DETAILS

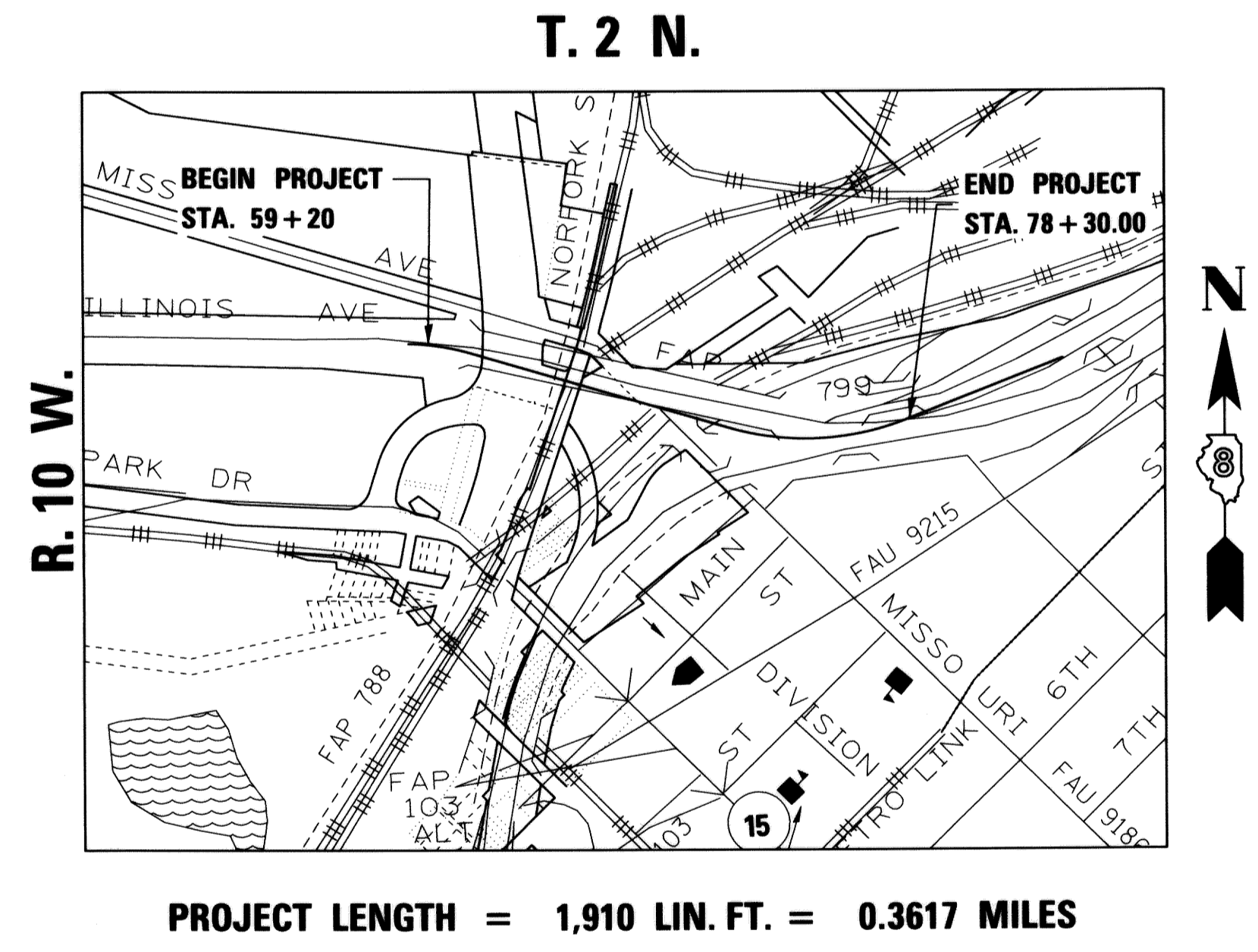
SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	99
CONTRACT NO. 76G39			ILLINOIS FED. AID PROJECT	

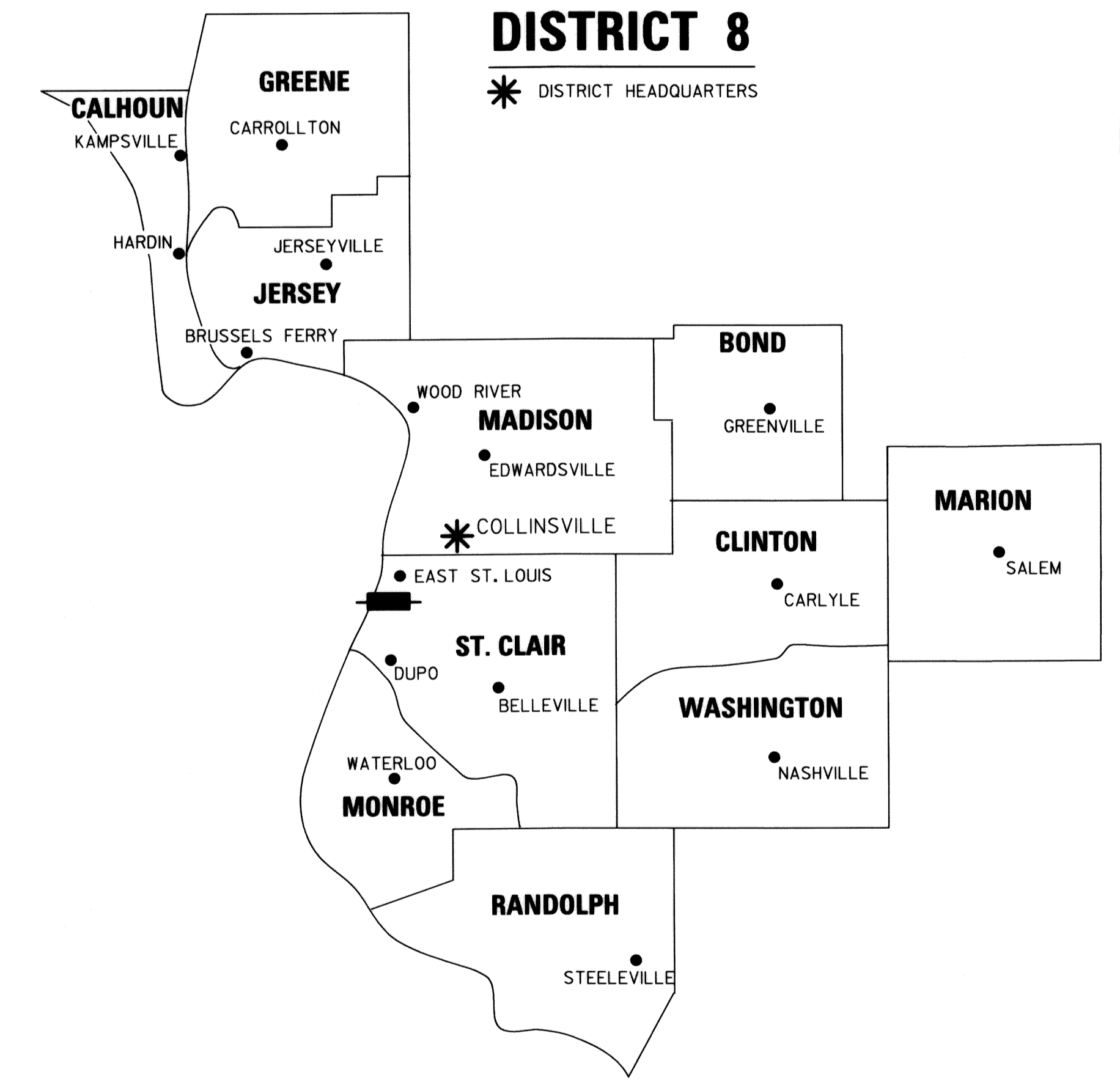
SHEET INDEX			
SHEET NO.	STATION TO STATION	DESCRIPTION	PARCEL NUMBER
1	N/A	COVER	
2	N/A	LEGEND/NOTES	
3	64+00 TO 67+00	FAP 799 (MLK BRIDGE)	8409011PE & 8409012PE
4	N/A	TIE SHEET/COORDIANTE TABLE	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLAT OF HIGHWAYS**  
**FAP ROUTE 799 (MLK BRIDGE)**  
**SECTION 1BR-1-1**  
**ST. CLAIR COUNTY**  
**JOB NO. R-98-009-14**

SPACE RESERVED FOR RECORDING OFFICER



PROJECT LENGTH = 1,910 LIN. FT. = 0.3617 MILES



LOCATION OF SECTION INDICATED THUS:

PREPARED BY:



*Handwritten signature and date*  
 COVENTINE FIDIS, PLS NO. 35-2159  
 LICENSE EXPIRATION DATE: 11/30/2018

SHEET 1 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
799	1BR-1-1	ST. CLAIR	315	100
			CONTRACT NO. 76G39	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		