

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	1
		ILLINOIS	CONTRACT NO. 76K18	

# PROPOSED HIGHWAY PLANS

FAP ROUTE 103 (IL ROUTE 15)  
SECTION (29-1, 28-1) RS-5  
PROJECT NO. NHPP-QVA2(754)  
RESURFACING AND PATCHING - 3P

ST. CLAIR COUNTY

C-98-218-18

BRIDGE OMISSION  
SN 082-0231  
STA. 43 + 98.12 TO  
STA. 45 + 87.71

FOR INDEX OF SHEETS, SEE SHEET NO. 2

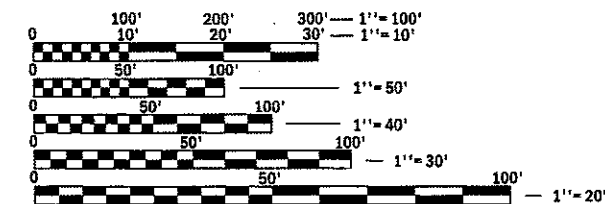
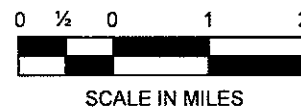
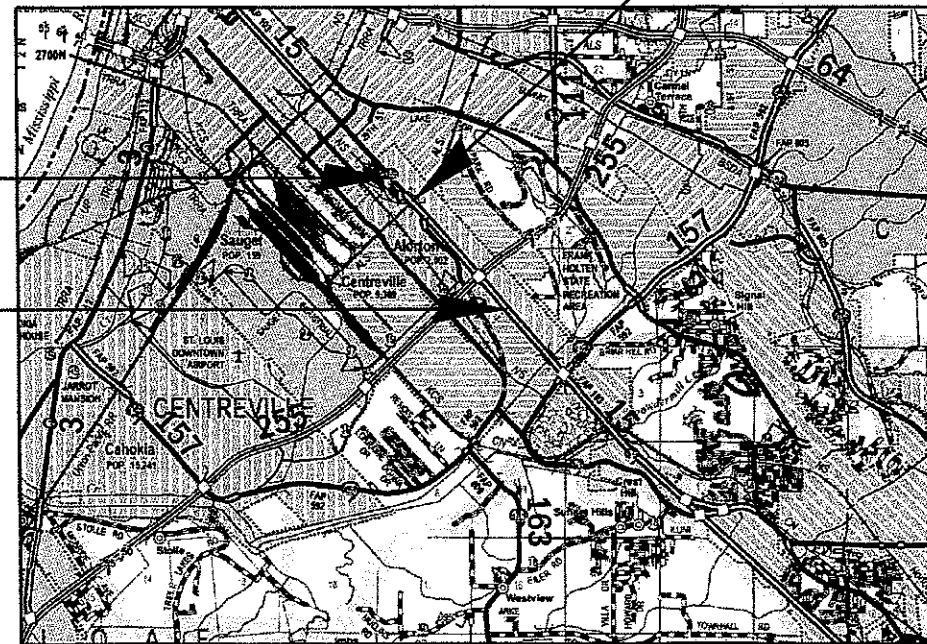
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL

STA. 35 + 72.50 TO FAP 255  
2017 ADT = 15,500 (ACTUAL)  
2018 ADT = 15,700 (ESTIMATED)  
2038 ADT = 19,100 (ESTIMATED)  
SU = 9.0%  
MU = 3.5%

FAP 255 TO STA. 128 + 86.00  
2017 ADT = 38,300 (ACTUAL)  
2018 ADT = 38,700 (ESTIMATED)  
2038 ADT = 47,200 (ESTIMATED)  
SU = 4.6%  
MU = 4.8%

BEGIN IMPROVEMENT  
STA. 35 + 72.50  
LAT. + 38.59525  
LONG. -90.12254  
END IMPROVEMENT  
STA. 128 + 86.00  
LAT. + 38.57738  
LONG. -90.12254



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: BILLIE OWEN (618-346-3209)

CONTRACT NO. 76K18

GROSS LENGTH = 9,313.50 FT. = 1.764 MILE  
NET LENGTH = 9,123.91 FT. = 1.728 MILE

PREPARED BY  
**EFK + Moen, LLC**  
Civil Engineering Design



SIGNATURE: *Shelley L. Dintelman*  
DATE SIGNED: 3/9/18  
LICENSE EXPIRES: 11/30/2019

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

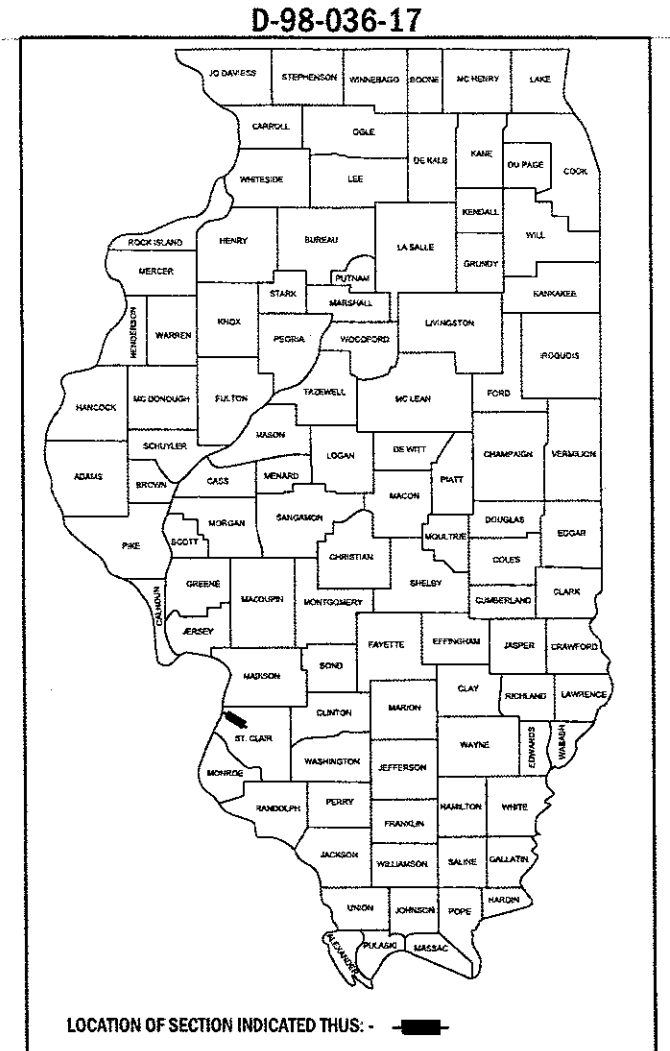
SUBMITTED: *March 20, 2018*

*Jeffrey Z. K... REGIONAL ENGINEER*

*May 11, 2018*  
*... ENGINEER OF DESIGN AND ENVIRONMENT*

*May 18, 2018*  
*... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION*

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



## INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS, AND GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10-14	TYPICAL SECTIONS
15-24	SCHEDULE OF QUANTITIES
25-26	ALIGNMENT, TIES AND BENCHMARKS
27-30	DESIGN PLAN
31	TRAFFIC CONTROL AND PROTECTION PLAN
32	INTERSECTION DETAIL
33-36	PAVEMENT MARKING PLAN
37-38	DETECTOR LOOP REPLACEMENT PLAN
39-42	REMOVAL PLAN
43-45	DETAILS

## HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442001-04	CLASS A PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
637006-03	CONCRETE BARRIER, 42 IN. (1065 MM) HEIGHT
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15 (4.5 M) TO 24 (600 MM) FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

## COMMITMENTS

NO COMMITMENTS

## GENERAL NOTES

- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	AERIAL	BURIED
•AMEREN ILLINOIS	X	X
•AT&T ILLINOIS	X	X
•AT&T CORPORATION	X	X
•BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE		X
•CITY OF CENTERVILLE		X
•CHARTER COMMUNICATIONS, INC.	X	X
•COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT		X
•ENABLE MIDSTREAM PARTNERS		X
•ILLINOIS AMERICAN WATER COMPANY		X
•LEVEL 3 COMMUNICATIONS, LLC	X	X
- MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- A FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCROACHING THE LANE OF TRAFFIC.
- THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
- FOUR CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ALONG WESTBOUND AND EASTBOUND IL ROUTE 15, NORTHBOUND AND SOUTHBOUND I-255, OR AT THE DIRECTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- "ROAD CONSTRUCTION AHEAD" SIGNS (W20-1) SHALL BE PLACED AT THE BEGINNING OF EITHER END OF THE PROJECT, ALL INTERSECTING SIDEROADS, AND AT EXIT RAMPS FROM I-255; AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48"X48" FLORESCENT ORANGE.

## GENERAL NOTES (CONT.)

- A "BUMP" SIGN (W8-1) SHALL BE INSTALLED ADJACENT TO EACH TEMPORARY RAMP. COSTS FOR THE INSTALLATION OF THE CONSTRUCTION SIGNS SHALL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS.
- ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".
- 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, INLETS, HANDHOLES, AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT SURFACE COURSE	0.056 TON/SQ YD/IN
HOT-MIX ASPHALT BINDER COURSE	0.056 TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05 TON/CU YD
BITUMINOUS MATERIALS (TACK COAT)	0.05 POUND/SQ FT (UNDER SHOULDER)
POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	0.025 POUND/SQ FT (UNDER SURFACE)
	0.05 POUND/SQ FT (UNDER BINDER)
- 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.
- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED FROM THE EXISTING CONCRETE PAVEMENT PRIOR TO THE HOT-MIX ASPHALT RESURFACING AND THROUGH THE LIMITS OF THE EXISTING HOT-MIX ASPHALT PRIOR TO THE HOT-MIX ASPHALT SURFACE REMOVAL AND PAVEMENT SCARIFICATION.
- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. 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.
- AN ESTIMATED QUANTITY OF 607 TONS OF CUTTINGS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION IS ANTICIPATED. 128 TONS FROM 1" DEPTH, 118 TONS FROM 1-3/4" DEPTH, AND 361 TONS FROM SCARIFICATION.
- OVERNIGHT DROP-OFFS WILL NOT BE PERMITTED NEXT TO AN OPEN LANE OF TRAFFIC.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

## HMA MIXTURE REQUIREMENT TABLE:

LOCATION:	FAP 103 (IL ROUTE 15)						
	MIXTURE USE(S)	POLY SURFACE COURSE	BINDER COURSE	LEVELING BINDER COURSE	HMA SHOULDER ≥ 2.25"	HMA SHOULDER < 2.25"	PAVEMENT PATCHING
PG		SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS		4% @ N=90	4% @ N=90	4% @ N=90	4% @ N=30	4% @ N=30	4% @ N=90
MIXTURE COMPOSITION (MIXTURE GRADATIONS)		IL-9.5	IL-19.0	IL-9.5FG	IL-19.0L	IL-9.5L	IL-19.0
FRICTION AGGREGATE		MIX "E"	MIX "B"	MIX "C"			MIX "B"
MIXTURE WEIGHT		112#/SQYD/IN	112#/SQYD/IN	112#/SQYD/IN			
QUALITY MANAGEMENT PROGRAM		QCP	QCP	QCP	QC/QA	QC/QA	

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

FILE NAME =	USER NAME = mys	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS, AND GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
02-DB76K18-sht-gennotes.dgn		DRAWN - JRD	REVISED -			103	(29-1, 28-1) RS-5	ST. CLAIR	45	2	
\$MODELNAME\$	PLOT SCALE = 100.0000' / 1in.	CHECKED - SLD	REVISED -			CONTRACT NO. 76K18					
	PLOT DATE = 3/27/2018	DATE - 3/9/2018	REVISED -			SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY	
				0005	URBAN
44001980	CONCRETE BARRIER REMOVAL	FOOT	6136	6136	
44003100	MEDIAN REMOVAL	SQ FT	2688	2688	
44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	7	7	
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	479	479	
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	201	201	
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	271	271	
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SQ YD	36	36	
44200657	CLASS A PATCHES, TYPE II, 20 INCH	SQ YD	8	8	
44200658	CLASS A PATCHES, TYPE III, 20 INCH	SQ YD	67	67	
44213000	PATCHING REINFORCEMENT	SQ YD	1067	1067	
44213200	SAW CUTS	FOOT	4081	4081	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4442	4442	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	962	962	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5681	5681	

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME * 03-09-0876X18-shr-500.dgn	USER NAME * jd	DESIGNED - JRD	REVISED - -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLDT SCALE * 100.0000 / in.	CHECKED - SLD	REVISED - -	SCALE: N.T.S.		SHEET 2	OF 7 SHEETS	STA.	TO STA.	103	(29-1, 28-1) RS-5	ST. CLAIR	45	4
MODEL NAME *	PLDT DATE * 3/18/2018	DATE - 3/9/2018	REVISED - -								CONTRACT NO. 76K18		
ILLINOIS FED. AID PROJECT													

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005 URBAN	
56109210	WATER VALVES TO BE ADJUSTED	EACH	3	3	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	24	24	
60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	5	5	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	50	50	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	50 FT	1125	1125	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1525	1525	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	2011	2011	
63700275	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT	FOOT	5934	5934	
63700805	CONCRETE BARRIER TRANSITION	FOOT	150	150	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	11168	11168	
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
66201120	CONCRETE SHOULDER CURB	FOOT	1893	1893	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	

\* SPECIALTY ITEM

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME *	USER NAME = jrd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
03-09-0876K18-ah1-S00.dgn		DRAWN - JRD	REVISED -		SCALE: N.T.S.	SHEET 3	OF 7 SHEETS	STA.	TO STA.	103	(29-1, 28-1) RS-5	ST. CLAIR	45	5
*MODELNAME*	PLOT SCALE = 1/8" = 1' / 1/4"	CHECKED - SLD	REVISED -								CONTRACT NO. 76K18			
	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -								ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005	URBAN
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4	
70100430	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	EACH	4	4	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	184	184	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	14895	14895	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4965	4965	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	63	63	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	47434	47434	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3631	3631	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	270	270	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	220	220	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	63	63	
* 78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	47434	47434	

\* SPECIALTY ITEM

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 03-09-0876K18-ah1-500.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	CHECKED - SLO	DRAWN - JRD	REVISED -		SCALE: N.T.S.	SHEET 4	OF 7	SHEETS	STA.	TO STA.	103	(29-1, 28-1) R5-5	ST. CLAIR	45 6
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -		CONTRACT NO. 76K18									
ILLINOIS FED. AID PROJECT														



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005	URBAN
X4406435	PARTIAL DEPTH REMOVAL, TYPE III, 3.5"	SO YD	201	201	
X4406635	PARTIAL DEPTH REMOVAL, TYPE IV, 3.5"	SO YD	200	200	
X4421000	PARTIAL DEPTH PATCHING	TON	140	140	
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2	2	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	1460	1460	
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	63	63	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	47434	47434	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3631	3631	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	270	270	
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	220	220	
* X8140115	HANDHOLE TO BE ADJUSTED	EACH	1	1	
Z0004405	HOT-MIX ASPHALT SCARIFICATION	SO YD	26243	26243	
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SO YD	44350	44350	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	37138	37138	

14

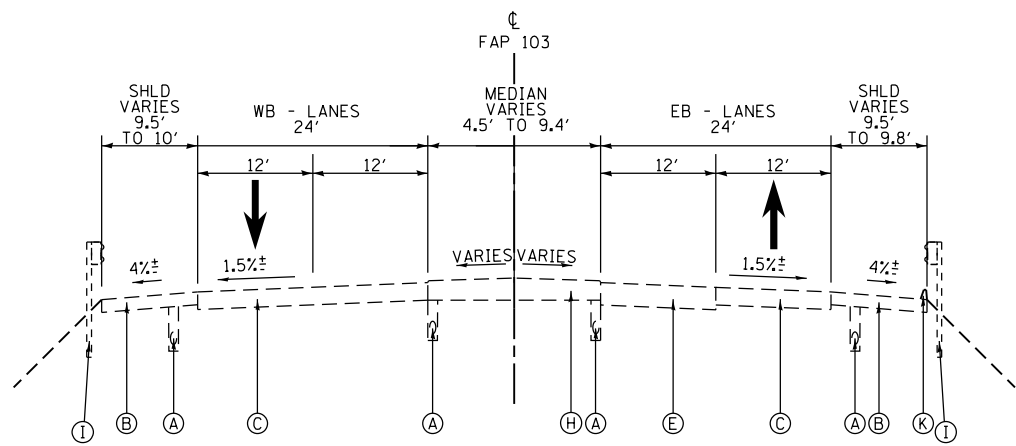
\* SPECIALTY ITEM

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME : 03-09-0876K18-sht-500.dgn	USER NAME : jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - JRD	REVISED -		SCALE: N.T.S.	SHEET 6	OF 7	SHEETS	STA.	TO STA.	103	(29-1, 28-1) RS-5	ST. CLAIR	45	8
		CHECKED - SLD	REVISED -						CONTRACT NO. 76K18						
#MODELNAME#	PLOT DATE : 3/9/2018	DATE - 3/9/2018	REVISED -						ILLINOIS FED. AID PROJECT						

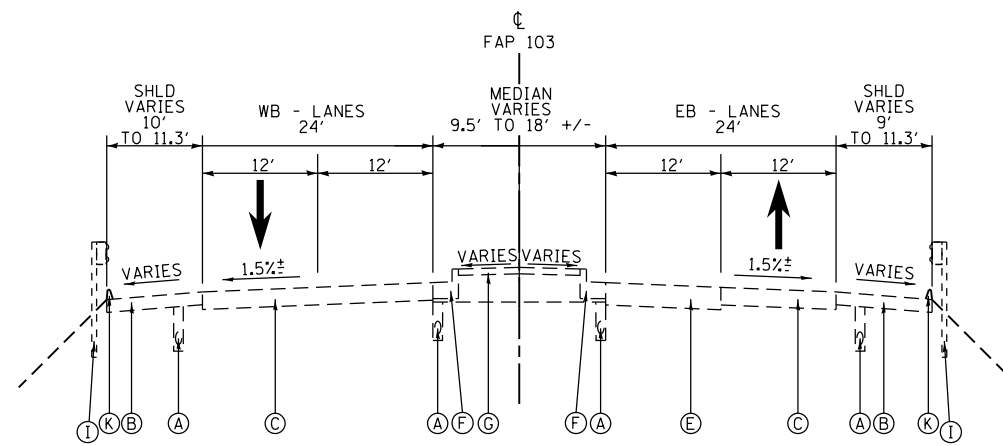






**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 35+72.50 - STA. 38+96.33  
 BEGIN EXISTING HOT-MIX ASPHALT SHOULDERS (B)  
 STA. 37+37 LT AND STA. 36+50 RT  
 BEGIN EXISTING CORRUGATED PCC CONCRETE MEDIAN (H)  
 STA. 36+47.87

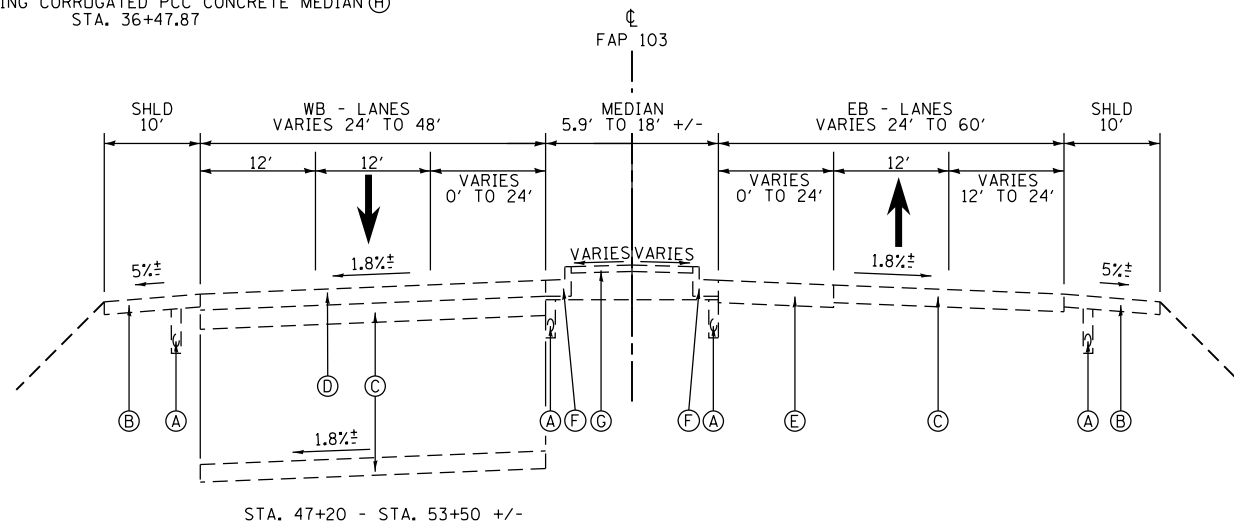
- NOTES:  
 1. EXISTING HOT-MIX ASPHALT CURB (K)  
 STA 41+17 LT TO 51+81 LT  
 STA 38.87 RT TO 49+27 RT  
 2. EXISTING GUARDRAIL (I)  
 STA 39+84 LT TO 52+06 LT  
 STA 37+31 RT TO 49+19 RT



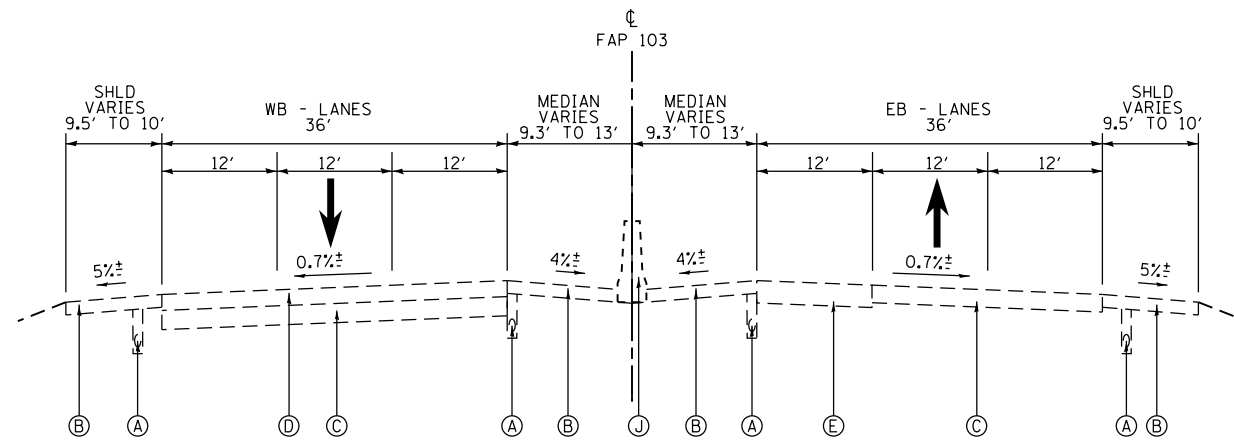
**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 38+96.33 - STA. 47+20  
 BRIDGE OMISSION STA. 43+98.12 TO 45+87.71

**EXISTING**

- (A) EXISTING PIPE UNDERDRAINS
- (B) EXISTING HOT-MIX ASPHALT SHOULDER
- (C) EXISTING PCC PAVEMENT, 10"
- (D) EXISTING HOT-MIX ASPHALT RESURFACING, 10"
- (E) EXISTING PCC PAVEMENT, 14"
- (F) EXISTING PCC CURB
- (G) EXISTING PCC MEDIAN
- (H) EXISTING CORRUGATED PCC MEDIAN
- (I) EXISTING GUARDRAIL
- (J) EXISTING CONCRETE BARRIER
- (K) EXISTING SHOULDER CURB
- (L) EXISTING HOT-MIX ASPHALT SURFACE, 2"
- (M) EXISTING HOT-MIX ASPHALT BINDER, 12"



**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 47+20 - STA. 65+20.56



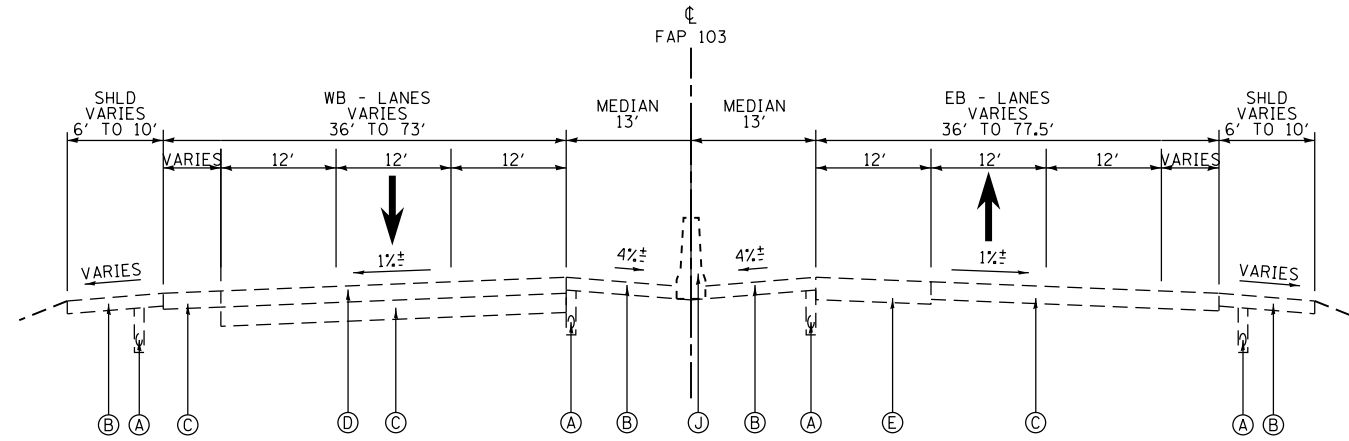
**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 65+20.56 - STA. 76+25

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

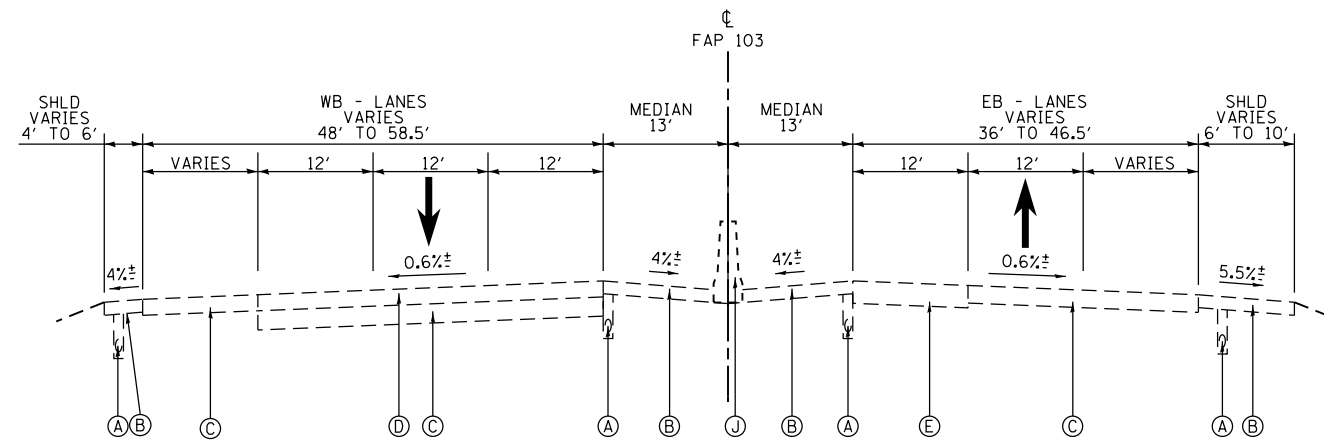
FILE NAME = 10-14-DB76K18-sht-typical.dgn	USER NAME = j_d	DESIGNED - MYS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b> <b>EXISTING</b>	F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 10
	PLOT SCALE = 100.0000' / 1" .	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 1 OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 76K18	
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -							

**EXISTING**

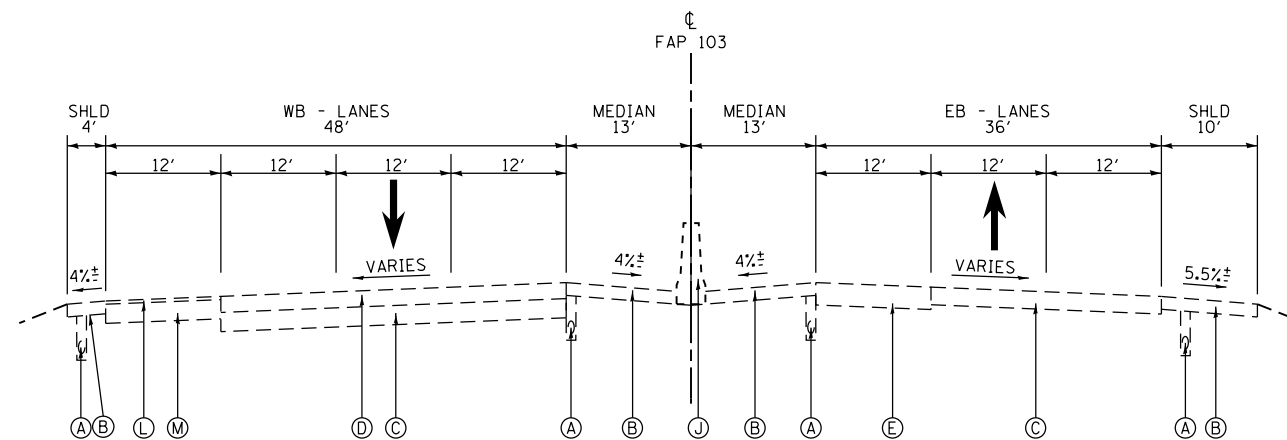
- (A) EXISTING PIPE UNDERDRAINS
- (B) EXISTING HOT-MIX ASPHALT SHOULDER
- (C) EXISTING PCC PAVEMENT, 10"
- (D) EXISTING HOT-MIX ASPHALT RESURFACING, 10"
- (E) EXISTING PCC PAVEMENT, 14"
- (F) EXISTING PCC CURB
- (G) EXISTING PCC MEDIAN
- (H) EXISTING CORRUGATED PCC MEDIAN
- (I) EXISTING GUARDRAIL
- (J) EXISTING CONCRETE BARRIER
- (K) EXISTING SHOULDER CURB
- (L) EXISTING HOT-MIX ASPHALT SURFACE, 2"
- (M) EXISTING HOT-MIX ASPHALT BINDER, 12"



**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 76+25 - STA. 116+95.39



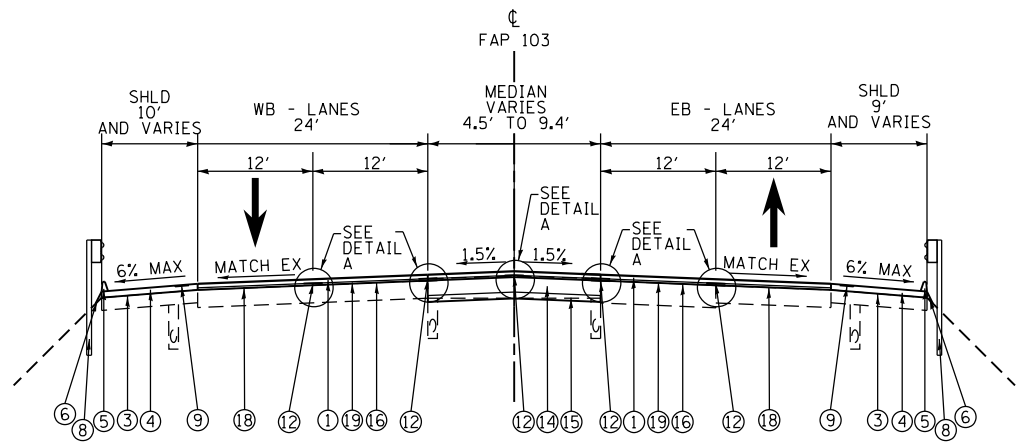
**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 116+95.39 - STA. 122+10.25



**EXISTING TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**  
 STA. 122+10.25 - STA. 124+86

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

FILE NAME = 10-14-DB76K18-sht-typical.dgn	USER NAME = jd	DESIGNED - MYS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b> <b>EXISTING</b>		F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 11
	PLOT SCALE = 100.0000' / 1".	CHECKED - SLD	REVISED -				SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.		CONTRACT NO. 76K18		ILLINOIS FED. AID PROJECT
*MODELNAME*	PLOT DATE = 3/18/2018	DATE = 3/9/2018	REVISED -								

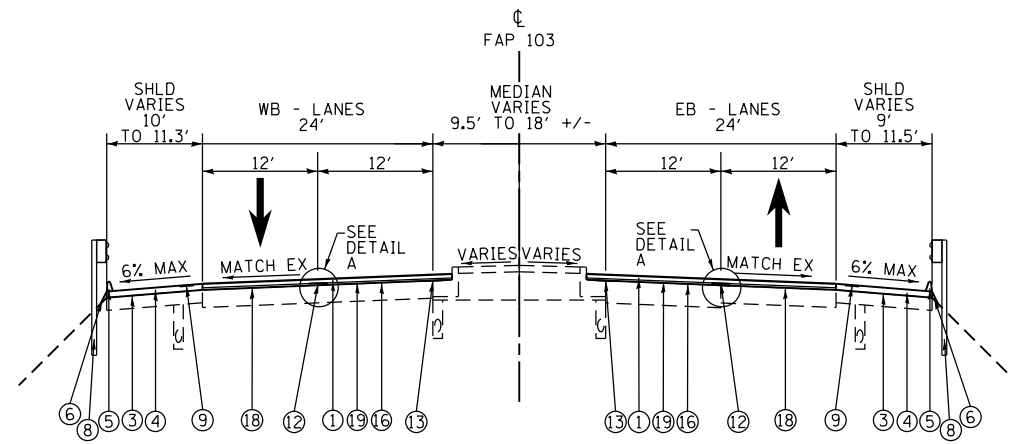


**PROPOSED TYPICAL SECTION**

**FAP RTE 103 (IL RTE 15)**

STA. 35+72.50 - STA. 38+94.16  
 BEGIN PCC CONCRETE PAVEMENT (14)  
 STA. 36+47.87  
 BEGIN HOT-MIX ASPHALT SHOULDERS (4)  
 STA. 37+37 LT AND STA. 36+50 RT

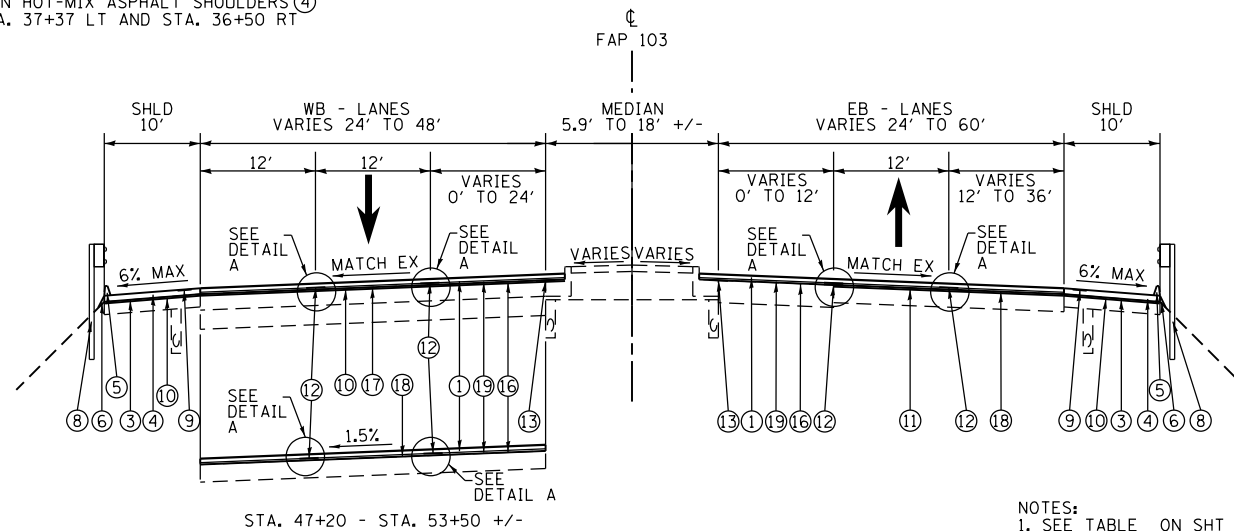
- NOTES:  
 1. PROPOSED CONCRETE CURB (5)  
 STA 39+95 LT TO 51+58 LT  
 STA 37+88 RT TO 49+41 RT  
 2. PROPOSED GUARDRAIL (8)  
 STA 40+00 LT TO 51+48 LT  
 STA 37+93 RT TO 49+36 RT



**PROPOSED TYPICAL SECTION**

**FAP RTE 103 (IL RTE 15)**

STA. 38+94.16 - STA. 47+20  
 BRIDGE OMISSION STA. 43+98.12 TO 45+87.71

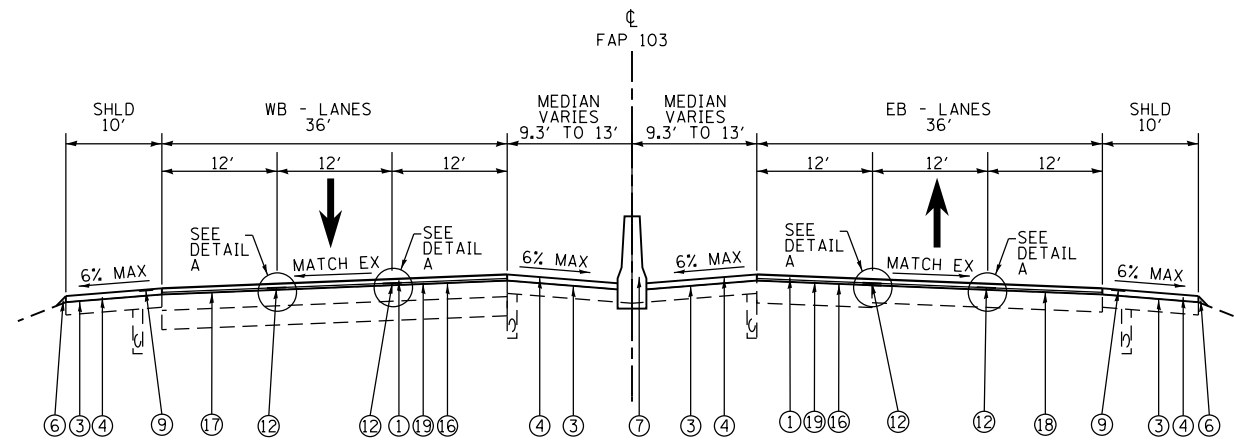


**PROPOSED TYPICAL SECTION**

**FAP RTE 103 (IL RTE 15)**

STA. 47+20 - STA. 65+20.56  
 SEE REMOVAL PLANS AND INTERSECTION DETAIL SHEET  
 FOR SURFACE REMOVAL LIMITS

- NOTES:  
 1. SEE TABLE ON SHT 14 OF 45  
 FOR PAVEMENT REMOVAL DEPTHS  
 (10) AND (11)  
 2. SEE TABLE ON SHEET 14 OF 45  
 FOR BINDER/LEVELING BINDER  
 THICKNESS (2) AND (19)  
 3. CONCRETE MEDIAN ENDS AT  
 STA 64+88.86



**PROPOSED TYPICAL SECTION**

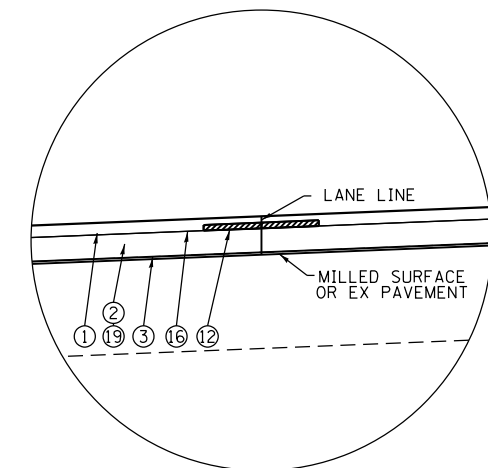
**FAP RTE 103 (IL RTE 15)**

STA. 65+20.56 - STA. 76+25

- NOTES:  
 1. CONCRETE BARRIER (7) BEGINS  
 AT STA 65+38.00

**PROPOSED**

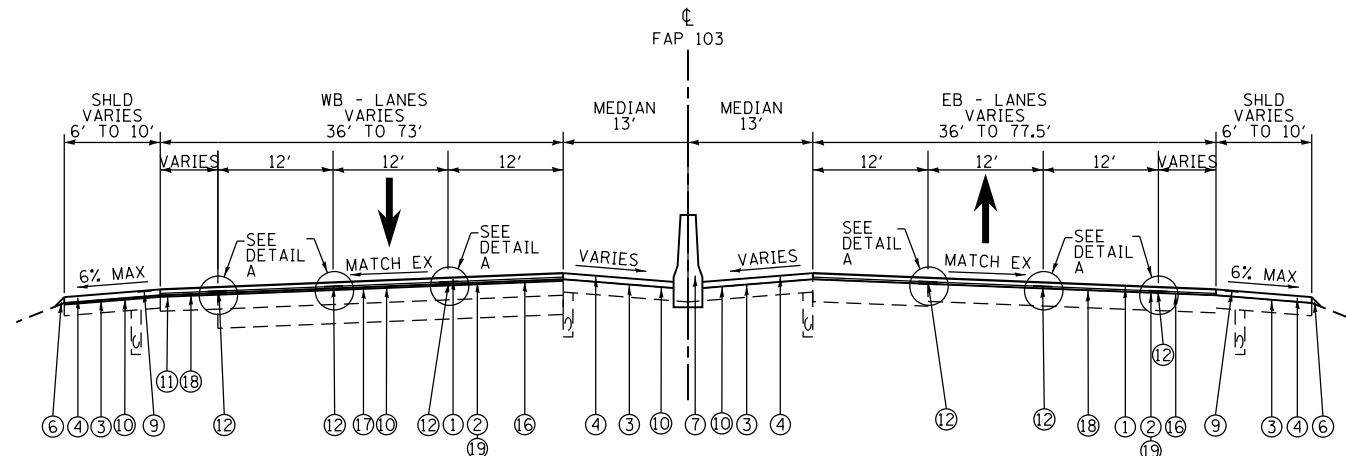
- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90, 1 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" UNLESS OTHERWISE NOTED
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ HOT-MIX ASPHALT SHOULDERS, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- ⑤ CONCRETE SHOULDER CURB (SEE DETAIL ON SHEET 45 OF 45)
- ⑥ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑦ CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT
- ⑧ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS OR TRAFFIC BARRIER TERMINAL
- ⑨ SHOULDER RUMBLE STRIPS, 16 INCH PER STD 642001
- ⑩ HOT-MIX ASPHALT SURFACE REMOVAL, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- ⑪ CONCRETE SURFACE REMOVAL, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- ⑫ LONGITUDINAL JOINT SEALANT
- ⑬ STRIP REFLECTIVE CRACK CONTROL
- ⑭ PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/4"
- ⑮ SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑯ POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- ⑰ HOT MIX ASPHALT SCARIFICATION
- ⑱ CONCRETE PAVEMENT SCARIFICATION
- ⑲ LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, DEPTH SPECIFIED (SEE TABLE ON SHEET 14 OF 45)



**DETAIL A**

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

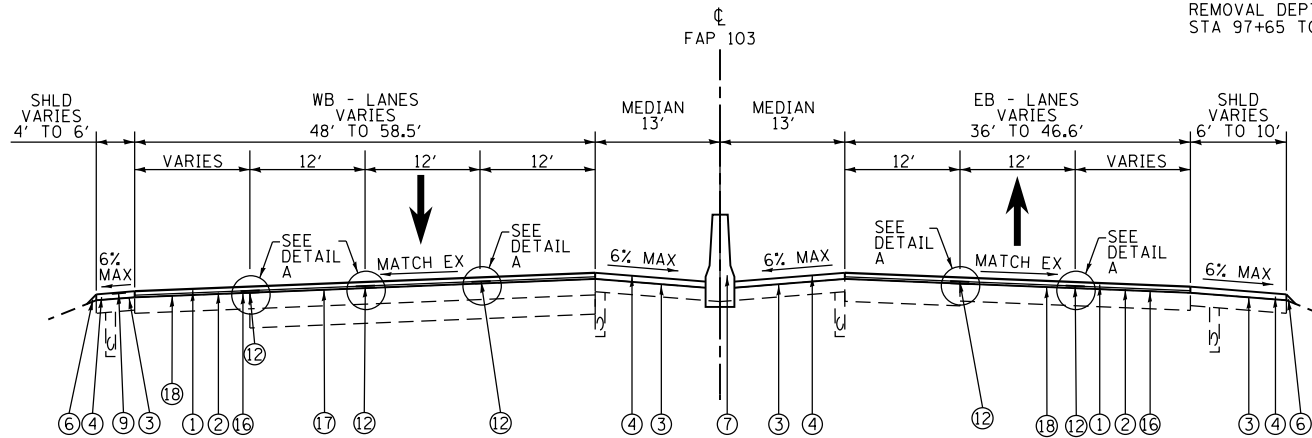
FILE NAME = 10-14-DB76K18-sht-typical.dgn	USER NAME = jd	DESIGNED - MYS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS PROPOSED</b>	F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 12		
PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISIED -	SCALE: N.T.S.			SHEET 3 OF 5 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
*MODELNAME*	DATE - 3/9/2018	REVISIED -										
CONTRACT NO. 76K18												



**PROPOSED TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**

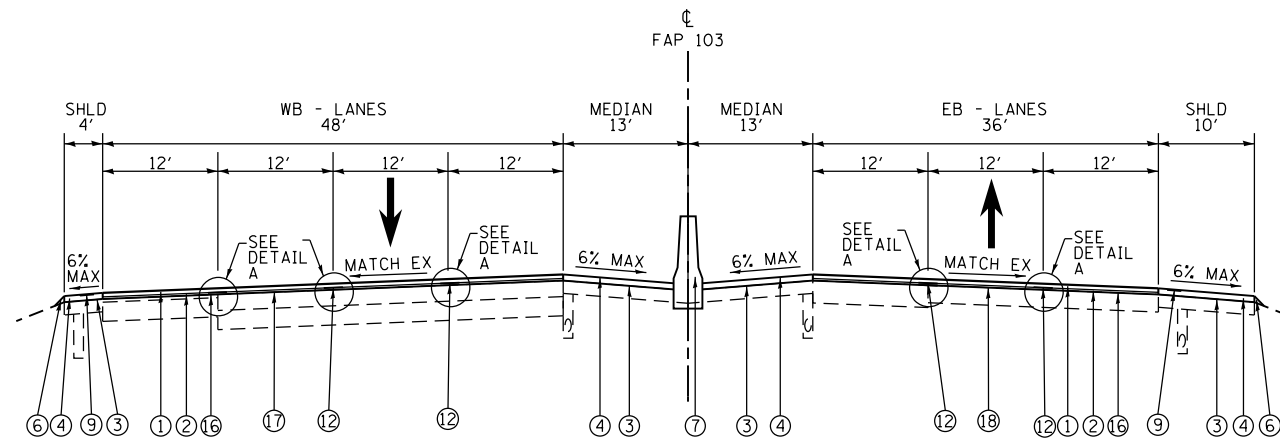
STA. 76+25 - STA. 116+95.39  
 SEE REMOVAL PLANS FOR SURFACE REMOVAL LIMITS

- NOTES:
- SEE TABLE ON SHT 14 OF 45 FOR PAVEMENT REMOVAL DEPTHS (10) AND (11)
  - SEE TABLE ON SHEET 14 OF 45 FOR BINDER/LEVELING BINDER THICKNESS (2) AND (19)
  - MAINTAIN VERTICAL CLEARANCE UNDER I-255 BRIDGE STA 97+87 TO 101+37
  - SEE BARRIER TRANSITION DETAIL FOR PAVEMENT REMOVAL DEPTHS (10) AT INSIDE SHOULDERS FROM STA 97+65 TO STATION 101+55



**PROPOSED TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**

STA. 116+95.39 - STA. 122+10.25

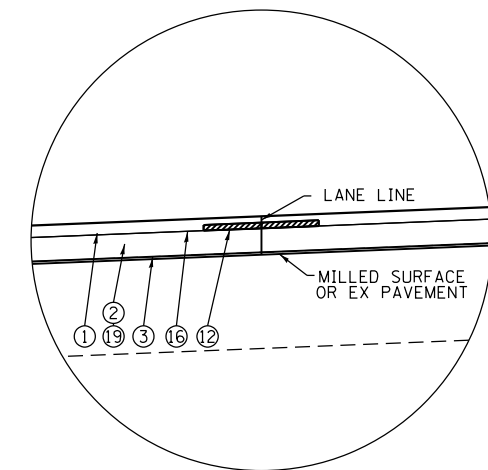


**PROPOSED TYPICAL SECTION**  
**FAP RTE 103 (IL RTE 15)**

STA. 122+10.25 - STA. 124+86  
 CONCRETE BARRIER (7) CONTINUES TO STA. 128+46

**PROPOSED**

- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90, 1 1/2"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2 1/4" UNLESS OTHERWISE NOTED
- BITUMINOUS MATERIALS (TACK COAT)
- HOT-MIX ASPHALT SHOULDERS, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- CONCRETE SHOULDER CURB (SEE DETAIL ON SHEET 45 OF 45)
- AGGREGATE WEDGE SHOULDER, TYPE B
- CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS OR TRAFFIC BARRIER TERMINAL
- SHOULDER RUMBLE STRIPS, 16 INCH PER STD 642001
- HOT-MIX ASPHALT SURFACE REMOVAL, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- CONCRETE SURFACE REMOVAL, DEPTH SPECIFIED (SEE TABLE ON SHT 14 OF 45)
- LONGITUDINAL JOINT SEALANT
- STRIP REFLECTIVE CRACK CONTROL
- PORTLAND CEMENT CONCRETE PAVEMENT, 9 1/4"
- SUBBASE GRANULAR MATERIAL, TYPE A 4"
- POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)
- HOT MIX ASPHALT SCARIFICATION
- CONCRETE PAVEMENT SCARIFICATION
- LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, DEPTH SPECIFIED (SEE TABLE ON SHEET 14 OF 45)



**DETAIL A**

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

FILE NAME = 10-14-DB76K18-sht-typical.dgn	USER NAME = jd	DESIGNED - MYS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS PROPOSED	F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 13
	PLOT SCALE = 100.0000' / 1".	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 4 OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 76K18	
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -							

TYPICAL SECTION TABLE									
SURFACE REMOVAL DEPTHS AND PAVEMENT THICKNESSES									
STA	TO	STA	LOCATION	SURFACE REMOVAL		POLYMERIZED HMA	LEVELING BINDER	POLYMERIZED HMA	HMA
				TYPE	DEPTH (IN)	BINDER COURSE	(MACHINE METHOD)	SURFACE COURSE	SHOULDERS
						THICKNESS (IN)	THICKNESS (IN)	THICKNESS (IN)	THICKNESS (IN)
36+47.61		43+23.08	WB SHOULDER	HMA					2 1/2
36+47.61		43+23.08	WB LANES	PCC	SCARIFY		1	1 1/2	
46+62.77		53+62	WB SHOULDER	HMA					2 1/2
46+62.77		53+62	WB LANES	PCC	SCARIFY		1	1 1/2	
53+62		53+97	WB SHOULDER	HMA	VARIES 0 TO 1 3/4				VARIES 2 1/2 TO 3 1/4
53+62		53+97	WB LANES	HMA	VARIES 0 TO 1 3/4		1 to 1 3/4	1 1/2	
53+97		56+32	WB SHOULDER	HMA	1 3/4 AND VARIES				3 1/4 AND VARIES
53+97		56+32	WB LANES	HMA	1 3/4		1 3/4	1 1/2	
56+32		56+67	WB SHOULDER	HMA	VARIES 1 3/4 TO 0				VARIES 3 1/4 TO 2 1/2
56+32		56+67	WB LANES	HMA	VARIES 1 3/4 TO 0		1 3/4 TO 1	1 1/2	
56+67		95+14	WB SHOULDER	HMA					2 1/2
56+67		95+14	WB LANES	HMA	SCARIFY		1	1 1/2	
95+14		95+39	WB SHOULDER	HMA					VARIES 2 1/2 TO 3 3/4
95+14		95+39	WB LANES	HMA	SCARIFY	0 to 2 1/4	1 to 0	1 1/2	
95+39		97+65	WB SHOULDER	HMA					3 3/4
95+39		97+65	WB LANES	HMA	SCARIFY	2 1/4		1 1/2	
97+65		97+85	WB SHOULDER (OS)	HMA	VARIES 0 TO 1				3 3/4
97+65		97+85	WB LANES	HMA	VARIES 0 TO 1	2 1/4		1 1/2	
97+65		97+85	WB SHOULDER (IS)	HMA	VARIABLE				3 3/4
97+85		101+35	WB 2 INSIDE LANES	HMA	1	2 1/4		1 1/2	
97+85		101+35	WB OUTSIDE LANE	PCC	1	2 1/4		1 1/2	
97+85		101+35	WB SHOULDER (OS)	HMA	1				3 3/4
101+35		101+55	WB SHOULDER (OS)	HMA	VARIES 1 TO 0				3 3/4
101+35		101+55	WB LANES	HMA	VARIES 1 TO 0	2 1/4		1 1/2	
101+35		101+55	WB SHOULDER (IS)	HMA	VARIABLE				3 3/4
101+55		124+11	WB SHOULDER	HMA					3 3/4
101+55		124+11	WB LANES	HMA	SCARIFY	2 1/4		1 1/2	

SEE REMOVAL PLANS AND INTERSECTION DETAIL SHEET FOR SURFACE REMOVAL LIMITS

TYPICAL SECTION TABLE									
SURFACE REMOVAL DEPTHS AND PAVEMENT THICKNESSES									
STA	TO	STA	LOCATION	SURFACE REMOVAL		POLYMERIZED HMA	LEVELING BINDER	POLYMERIZED HMA	HMA
				TYPE	DEPTH (IN)	BINDER COURSE	(MACHINE METHOD)	SURFACE COURSE	SHOULDERS
						THICKNESS (IN)	THICKNESS (IN)	THICKNESS (IN)	THICKNESS (IN)
36+47.61		43+23.08	EB SHOULDER	HMA					2 1/2
36+47.61		43+23.08	EB LANES	PCC	SCARIFY			1	1 1/2
46+62.77		53+62	EB SHOULDER	HMA					2 1/2
53+62		54+37.74	EB SHOULDER	HMA					2 1/2
46+62.77		53+62	EB LANES	PCC	SCARIFY			1	1 1/2
54+37.74		54+57.74	EB SHOULDER	HMA					VARIES 2 1/2 TO 1 1/2
54+37.74		54+57.74	EB LANES	PCC	VARIES 0 TO 1			1	1 1/2
54+57.74		56+12	EB SHOULDER	HMA					1 1/2
54+57.74		56+12	EB LANES	PCC	1			1	1 1/2
56+12		56+32	EB SHOULDER	HMA					VARIES 1 1/2 TO 2 1/2
56+12		56+32	EB LANES	PCC	VARIES 1 TO 0			1	1 1/2
56+32		95+14	EB SHOULDER	HMA					2 1/2
56+32		95+14	EB LANES	PCC	SCARIFY			1	1 1/2
95+14		95+39	EB SHOULDER	HMA					VARIES 2 1/2 TO 3 3/4
95+14		95+39	EB LANES	PCC	SCARIFY	0 to 2 1/4	1 to 0	1 1/2	
97+65		101+55	EB SHOULDERS (IS)	HMA	VARIABLE				3 3/4
95+39		124+11	EB SHOULDER (OS)	HMA					3 3/4
95+39		124+11	EB LANES	PCC	SCARIFY	2 1/4			1 1/2

SEE REMOVAL PLANS AND INTERSECTION DETAIL SHEET FOR SURFACE REMOVAL LIMITS

FILE NAME = 10-14-DB76K18-sht-typical.dgn	USER NAME = jd	DESIGNED - MYS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS PROPOSED</b>	F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 14		
*MODELNAME*	PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -			SCALE: N.T.S.	SHEET 5 OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 76K18		
	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -			ILLINOIS FED. AID PROJECT						

**EFK Moen, LLC**  
Civil Engineering Design

PAVEMENT AND SHOULDER SCHEDULE				MATL TRANS DEVICE (TON)	LEVELING BINDER (M.M.) IL-9.5FG, N90 (TON)	POLY HMA SURF COURSE MIX "E" N90 (TON)	HMA BINDER IL-19.0 N90 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HMA SHLD (TON)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	SHLD RUMBLE STRIPS 16 INCH (FOOT)	CONCRETE SHLD CURB (FOOT)	AGGREGATE WEDGE SHLD TYPE B (TON)
ROADWAY	STATION	STATION	SIDE										
IL ROUTE 15	35+72.50	124+86.00	LT/RT	10,855	3,048	6,742	4,113	15,018	5,681	54,173	11,168		962
IL ROUTE 15	39+94.60	43+86.45	LT									392	
IL ROUTE 15	45+98.93	51+58.29	LT									560	
IL ROUTE 15	37+88.25	43+87.07	RT									599	
IL ROUTE 15	45+99.44	49+41.11	RT									342	
TOTALS				10,855	3,048	6,742	4,113	15,018	5,681	54,173	11,168	1893	962

- ADDITIONAL 10% ADDED TO BOTH BINDER PAY ITEMS FOR PAVEMENT SURFACE VARIATION
- ADDITIONAL 1/4" ADDED TO BOTH BINDER PAY ITEMS FOR PAVEMENT GRINDING VARIATION (INSIDE EASTBOUND LANE)
- SEE GENERAL NOTES FOR POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) APPLICATIONS

REMOVALS SCHEDULE							
ROADWAY	STATION	STATION	SIDE	COMB CURB & GUTTER REMOVAL (FOOT)	MEDIAN REMOVAL (SQ FT)	CURB REMOVAL (FOOT)	SAW CUTS (FOOT)
IL ROUTE 15	61+77.31	61+82.31	LEFT	5.0			
IL ROUTE 15	62+32.31	62+37.31	LEFT	5.0			
IL ROUTE 15	62+73.31	62+78.31	LEFT	5.0			
IL ROUTE 15	63+28.31	63+33.31	LEFT	5.0			
IL ROUTE 15	63+43.31	63+53.31	LEFT	10.0			
IL ROUTE 15	63+78.31	63+83.31	LEFT	5.0			
IL ROUTE 15	63+78.32	63+83.32	RIGHT	5.0			
IL ROUTE 15	64+08.31	64+18.31	LEFT	10.0			
IL ROUTE 15	36+47.91	39+02.33	CL		1718.0		524
IL ROUTE 15	39+46.42	39+66.42	CL		115.6		
IL ROUTE 15	39+95.42	40+05.42	CL		77.8		
IL ROUTE 15	40+65.42	40+95.42	RIGHT		157.5		
IL ROUTE 15	41+46.42	41+56.42	RIGHT		60.9		
IL ROUTE 15	61+72.32	61+82.31	LEFT		63.0		
IL ROUTE 15	62+32.32	62+42.31	LEFT		63.0		
IL ROUTE 15	62+73.32	62+83.31	LEFT		63.9		
IL ROUTE 15	63+23.32	63+33.31	LEFT		63.5		
IL ROUTE 15	63+43.32	63+53.31	LEFT		63.3		
IL ROUTE 15	63+73.32	63+83.31	CL		126.5		
IL ROUTE 15	64+03.32	64+23.31	LEFT		114.8		
IL ROUTE 15	41+17.49	43+78.95				269.0	
IL ROUTE 15	45+98.92	51+81.05				582.2	
IL ROUTE 15	38+87.44	43+87.04				499.6	
IL ROUTE 15	45+99.62	49+27.43				328.2	
TOTALS				50	2,688	1,679	524

FULL DEPTH PAVEMENT SCHEDULE					
ROADWAY	STATION	STATION	SIDE	PCC PMT 9 1/4" (SQ YD)	SUBBASE TYPE A 4" (SQ YD)
IL ROUTE 15	36+47.87	38+94.16	CL	188	188
TOTALS				188	188

TRAFFIC CONTROL SCHEDULE								
ROADWAY	STATION	STATION	SIDE	CHANGEABLE MESSAGE SIGN (CAL DAY)	TCP STAND 701411 (EACH)	TCP STAND 701421 (L SUM)	TCP STAND 701446 (EACH)	TRAF CONTROL SURV (CAL DAY)
IL ROUTE 15	62+24.00	129+11.00	RIGHT					
IL ROUTE 15	64+61.00	129+11.00	LEFT					
IL 15 WB	35+72.50	128+86.00		365				
IL 15 EB	35+72.50	128+86.00		365				
I-255 NB	35+72.50	128+86.00		365				
I-255 SB	35+72.50	128+86.00		365				
IL ROUTE 15	35+72.50	128+86.00			4			
IL ROUTE 15	35+72.50	128+86.00				1		
IL ROUTE 15	35+72.50	128+86.00					4	
IL ROUTE 15	35+72.50	128+86.00						184
TOTALS				1460	4	1	4	184

JOINT SEALANT AND CRACK CONTROL SCHEDULE					
ROADWAY	STATION	STATION	SIDE	STRIP REF CR CONTROL TREAT (FOOT)	LONG JOINT SEALANT (FOOT)
IL ROUTE 15	38+94.16	43+98.12	LT	504	
IL ROUTE 15	38+94.16	43+98.12	RT	504	
IL ROUTE 15	45+87.71	54+57.96	RT	870	
IL ROUTE 15	45+87.71	54+57.70	RT	871	
IL ROUTE 15	55+85.92	64+31.01	LT	846	
IL ROUTE 15	55+85.92	64+31.01	RT	847	
IL ROUTE 15	35+72.50	36+47.86	CL		75
IL ROUTE 15	35+72.50	43+98.12	LT/RT		1652
IL ROUTE 15	45+87.71	124+86.00	LT/RT		15334
IL ROUTE 15	50+51.57	124+86.00	LT/RT		15332
IL ROUTE 15	53+81.57	56+25.09	LT		244
IL ROUTE 15	49+90.16	56+90.47	LT		701
IL ROUTE 15	50+58.85	55+85.38	RT		527
IL ROUTE 15	54+60.59	55+82.94	RT		466
IL ROUTE 15	76+62.74	85+37.52	LT		876
IL ROUTE 15	96+82.83	100+55.01	LT		372
IL ROUTE 15	97+12.71	102+50.83	RT		538
IL ROUTE 15	112+80.74	114+30.71	RT		356
IL ROUTE 15	118+19.97	124+86.00	LT		665
TOTALS				4,442	37,138

**EFK Moen, LLC**  
Civil Engineering Design

PAVEMENT REMOVALS AND BUTT JOINT SCHEDULE

ROADWAY	STATION	STATION	SIDE	CONCRETE PAVEMENT SCARIFICATION (SQ YD)	HOT-MIX ASPHALT SCARIFICATION (SQ YD)	HMA SURFACE REMOVAL 1" (SQ YD)	HMA SURFACE REMOVAL 1 3/4" (SQ YD)	PCC SURFACE REMOVAL 1" (SQ YD)	HMA SURF REM VARIABLE DEPTH (SQ YD)	PCC SURF REM VARIABLE DEPTH (SQ YD)	HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	PCC SURFACE REMOVAL BUTT JOINT (SQ YD)	TEMPORARY RAMP (SQ YD)
IL ROUTE 15	36+47.50	43+23.12	LT	1784									
IL ROUTE 15	36+47.51	43+23.12	RT	1782									
IL ROUTE 15	46+62.71	53+62.00	LT	2363									
IL ROUTE 15	46+62.72	54+37.74	RT	3590									
IL ROUTE 15	56+32.00	95+14.00	RT	16562									
IL ROUTE 15	76+62.41	88+03.22	LT	1472									
IL ROUTE 15	92+02.21	95+14.00	LT	219									
IL ROUTE 15	95+39.00	97+65.00	LT	491									
IL ROUTE 15	101+55.00	102+58.63	LT	180									
IL ROUTE 15	95+39.00	124+11.00	RT	14909									
IL ROUTE 15	114+32.76	120+93.90	LT	998									
IL ROUTE 15	56+67.00	95+14.00	LT		15712								
IL ROUTE 15	95+39.00	97+65.00	LT		915								
IL ROUTE 15	101+55.00	124+11.00	LT		9616								
IL ROUTE 15	54+57.74	56+12.00	RT			634		634					
IL ROUTE 15	97+85.00	101+35.00	LT			1686		670					
IL ROUTE 15	53+97.00	56+32.00	LT				1231						
IL ROUTE 15	53+62.00	56+67.00	LT					473	420				65
IL ROUTE 15	54+37.74	56+32.00	RT					546	248				62
IL ROUTE 15	95+14.00	95+39.00	LT/RT					100	57				
IL ROUTE 15	97+65.00	101+55.00	LT					190	78				
IL ROUTE 15	97+65.00	101+55.00	LT					468					
IL ROUTE 15	97+65.00	101+55.00	RT					479					
IL ROUTE 15	35+72.50	36+47.50	LT/RT							440			29
IL ROUTE 15	43+22.84	43+97.84	LT									301	20
IL ROUTE 15	43+23.18	43+98.17	RT									297	20
IL ROUTE 15	45+87.43	46+62.44	LT									297	20
IL ROUTE 15	45+87.75	46+62.75	RT									298	20
RAMP	82+96.18	83+71.20	RT									214	14
RAMP	88+02.13	88+73.92	LT									215	15
RAMP	94+55.69	95+24.15	LT									227	15
RAMP	94+98.29	95+71.02	RT									220	15
RAMP	102+59.72	103+25.01	LT									219	16
RAMP	103+83.29	104+49.38	RT									218	15
RAMP	109+51.09	110+25.38	RT									215	14
RAMP	113+57.66	114+32.24	LT									215	14
IL ROUTE 15	124+11.00	124+86.00	LT							528			35
IL ROUTE 15	124+11.00	124+86.00	RT							480			32
TOTALS				44,350	26,243	2,320	1,231	1,304	2,256	803	1,448	2,936	421

FIELD OFFICE SCHEDULE

ROADWAY	STATION	STATION	ENGINEER FIELD OFFICE TYPE A (CAL MO)
IL ROUTE 15	35+72.50	124+86.00	12
TOTALS			12

UTILITY ADJUSTMENTS

ROADWAY	STATION	OFFSET	ADJUST WATER VALVE (EACH)
IL ROUTE 15	53+62.04	19.32' RT	1
IL ROUTE 15	54+26.63	17.18' RT	1
IL ROUTE 15	56+49.38	14.71' RT	1
TOTALS			3

SIGNAL SCHEDULE

ROADWAY	STATION	SIDE	STATION	SIDE	HANDHOLE TO BE ADJUSTED (EACH)	LOCATING UNDERGROUND CABLE (FOOT)	DETECTOR LOOP REPLACEMENT (FOOT)
IL ROUTE 15	55+80	9.8' RT			1		
IL ROUTE 15	IL ROUTE 163/POCKET RD INTERSECTION					120	
TOTALS					1	120	3,522

**EFK Moen, LLC**  
Civil Engineering Design



CONCRETE ISLAND AND MEDIAN SCHEDULE

ROADWAY	STATION	STATION	SIDE	C & G TYPE B-6.24 (FOOT)	CONC MED SURF 4" (SQ FT)	CURB REFLECTORS (EACH)	PAINT CURB (FOOT)
IL ROUTE 15	61+77.31	61+82.31	LEFT	5			
IL ROUTE 15	62+32.31	62+37.31	LEFT	5			
IL ROUTE 15	62+73.31	62+78.31	LEFT	5			
IL ROUTE 15	63+28.31	63+33.31	LEFT	5			
IL ROUTE 15	63+43.31	63+53.31	LEFT	10			
IL ROUTE 15	63+78.31	63+83.31	LEFT	5			
IL ROUTE 15	63+78.32	63+83.32	RIGHT	5			
IL ROUTE 15	64+08.31	64+18.31	LEFT	10			
IL ROUTE 15	38+94.16	39+02.33	CL		77		
IL ROUTE 15	39+46.42	39+66.42	CL		116		
IL ROUTE 15	39+95.42	40+05.42	CL		78		
IL ROUTE 15	40+65.42	40+95.42	RIGHT		157		
IL ROUTE 15	41+46.42	41+56.42	RIGHT		61		
IL ROUTE 15	61+72.32	61+82.31	LEFT		63		
IL ROUTE 15	62+32.32	62+42.31	LEFT		63		
IL ROUTE 15	62+73.32	62+83.31	LEFT		64		
IL ROUTE 15	63+23.32	63+33.31	LEFT		64		
IL ROUTE 15	63+43.32	63+53.31	LEFT		63		
IL ROUTE 15	63+73.32	63+83.31	CL		127		
IL ROUTE 15	64+03.32	64+23.31	LEFT		115		
IL ROUTE 15	64+75.17	64+88.81	CL		77		
IL ROUTE 15	54+42.49	54+81.10	LEFT			9	73
IL ROUTE 15	55+27.26	55+46.05	LEFT			8	53
IL ROUTE 15	54+34.49	55+11.47	RIGHT			17	139
IL ROUTE 15	55+60.82	56+04.25	RIGHT			11	104
TOTALS				50	1125	45	369

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SCHEDULE

ROADWAY	STATION	STATION	SIDE	RAISED REFLECTOR PAVEMENT MARKER REM (EACH)	NOTES
IL ROUTE 15	35+72.50	36+47.91	LEFT	4	AMBER
IL ROUTE 15	35+72.50	36+47.91	RIGHT	4	AMBER
IL ROUTE 15	36+17.50	43+98.12	LEFT	10	WHITE
IL ROUTE 15	36+17.50	43+98.12	RIGHT	10	WHITE
IL ROUTE 15	45+87.71	54+56.69	LEFT	11	WHITE
IL ROUTE 15	45+87.71	54+78.74	RIGHT	11	WHITE
IL ROUTE 15	51+77.72	54+67.69	RIGHT	4	WHITE
IL ROUTE 15	51+13.33	54+56.69	LEFT	4	WHITE
IL ROUTE 15	53+06.69	54+56.69	RIGHT	6	WHITE
IL ROUTE 15	55+52.64	124+86.00	LEFT	87	WHITE
IL ROUTE 15	55+63.64	124+86.00	LEFT	87	WHITE
IL ROUTE 15	55+85.92	124+86.00	RIGHT	86	WHITE
IL ROUTE 15	55+85.92	124+86.00	RIGHT	86	WHITE
IL ROUTE 15	55+74.64	57+34.63	LEFT	5	WHITE
IL ROUTE 15	79+35.16	82+97.21	RIGHT	10	WHITE
IL ROUTE 15	79+35.16	82+97.21	RIGHT	10	WHITE
IL ROUTE 15	95+25.54	96+82.83	LEFT	5	WHITE
IL ROUTE 15	95+25.54	96+82.83	LEFT	5	WHITE
IL ROUTE 15	102+50.83	103+90.91	RIGHT	5	WHITE
IL ROUTE 15	102+50.83	103+90.91	RIGHT	5	WHITE
IL ROUTE 15	114+32.78	118+19.97	LEFT	11	WHITE
IL ROUTE 15	114+32.78	118+19.97	LEFT	11	WHITE
TOTALS				477	

DRAINAGE STRUCTURE SCHEDULE

ROADWAY	STATION	OFFSET	MANHOLE FRAMES TO BE ADJUSTED (EACH)	FRAMES & GRATES TO BE ADJUSTED (EACH)
IL ROUTE 15	97+97.18	9.66' RT	1	
IL ROUTE 15	100+71.68	10.26' RT	1	
IL ROUTE 15	101+97.75	9.09' RT	1	
IL ROUTE 15	103+66.31	9.15' RT	1	
IL ROUTE 15	104+97.49	8.54' RT	1	
IL ROUTE 15	43+81.00	39.16' LT		1
IL ROUTE 15	46+03.31	40.79' LT		1
IL ROUTE 15	79+44.78	3.36' LT		1
IL ROUTE 15	89+96.73	2.79' LT		1
IL ROUTE 15	97+97.25	2.89' LT		1
IL ROUTE 15	100+71.60	2.45' LT		1
IL ROUTE 15	101+97.49	2.76' LT		1
IL ROUTE 15	103+66.54	3.58' LT		1
IL ROUTE 15	104+96.91	3.33' LT		1
IL ROUTE 15	116+97.41	2.81' LT		1
IL ROUTE 15	118+97.22	2.77' LT		1
IL ROUTE 15	120+47.02	2.78' LT		1
IL ROUTE 15	43+81.64	41.81' RT		1
IL ROUTE 15	46+03.91	40.44' RT		1
IL ROUTE 15	79+44.63	2.78' RT		1
IL ROUTE 15	89+96.60	2.82' RT		1
IL ROUTE 15	97+96.97	2.99' RT		1
IL ROUTE 15	100+70.93	2.90' RT		1
IL ROUTE 15	101+97.55	2.71' RT		1
IL ROUTE 15	103+66.58	2.20' RT		1
IL ROUTE 15	104+96.73	2.25' RT		1
IL ROUTE 15	116+97.23	2.71' RT		1
IL ROUTE 15	118+97.22	2.76' RT		1
IL ROUTE 15	120+46.85	2.92' RT		1
TOTALS			5	24

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE

ROADWAY	STATION	STATION	SIDE	RAISED REFLECTOR PAVEMENT MARKER (EACH)	NOTES
IL ROUTE 15	35+72.50	38+94.16	LEFT	16	AMBER
IL ROUTE 15	35+72.50	38+94.16	RIGHT	16	AMBER
IL ROUTE 15	35+72.50	43+98.12	LEFT	10	WHITE
IL ROUTE 15	35+72.50	43+98.12	RIGHT	10	WHITE
IL ROUTE 15	45+87.71	54+56.69	LEFT	11	WHITE
IL ROUTE 15	45+87.71	54+79.17	RIGHT	11	WHITE
IL ROUTE 15	51+77.72	54+78.97	RIGHT	4	WHITE
IL ROUTE 15	51+13.33	54+56.69	LEFT	4	WHITE
IL ROUTE 15	55+76.33	124+86.00	LEFT	86	WHITE
IL ROUTE 15	55+76.49	124+86.00	LEFT	86	WHITE
IL ROUTE 15	55+85.92	124+86.00	RIGHT	86	WHITE
IL ROUTE 15	55+85.92	124+86.00	RIGHT	86	WHITE
IL ROUTE 15	79+35.16	82+97.21	RIGHT	9	WHITE
IL ROUTE 15	79+35.16	82+97.21	RIGHT	9	WHITE
IL ROUTE 15	79+25.00	82+96.45	RIGHT	34	WHITE
IL ROUTE 15	95+25.54	96+82.83	LEFT	4	WHITE
IL ROUTE 15	95+25.54	96+82.83	LEFT	4	WHITE
IL ROUTE 15	95+31.56	96+92.22	LEFT	8	WHITE
IL ROUTE 15	102+50.83	103+90.91	RIGHT	4	WHITE
IL ROUTE 15	102+50.83	103+90.91	RIGHT	4	WHITE
IL ROUTE 15	102+13.12	103+84.95	RIGHT	9	WHITE
IL ROUTE 15	114+32.78	118+19.97	LEFT	10	WHITE
IL ROUTE 15	114+32.78	118+19.97	LEFT	10	WHITE
IL ROUTE 15	114+33.62	118+96.75	LEFT	22	
TOTALS				553	

FILE NAME = 15-24-DB76K18-sht-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
\$MODELNAME\$	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET 3	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	17
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design





TEMPORARY PAVEMENT MARKING SCHEDULE					TEMPORARY PMT MK 4" (FOOT)	TEMPORARY PMT MK 8" (FOOT)	TEMPORARY PMT MK 12" (FOOT)	TEMPORARY PMT MK 24" (FOOT)	TEMPORARY PMT MK LETTER & SYMB (SQ FT)	NOTES
LOCATION										
ROADWAY	STATION	OFFSET	STATION	OFFSET						
IL ROUTE 15	35+72.50	26.21' LT	43+98.12	31.56' LT	871					SOLID WHITE
IL ROUTE 15	35+72.50	26.25' RT	43+98.12	34.44' RT	871					SOLID WHITE
IL ROUTE 15	45+87.71	33.31' LT	54+56.63	103.1' LT	903					SOLID WHITE
IL ROUTE 15	45+87.71	32.69' RT	55+13.96	102.66' RT	937					SOLID WHITE
IL ROUTE 15	52+42.73	15.9' RT	54+78.98	14.0' RT	236					SOLID WHITE
IL ROUTE 15	51+77.36	50.28' RT	55+11.47	49.52' RT	334					SOLID WHITE
ISLAND	54+42.49	39.53' LT	54+81.10	39.6' LT	107					SOLID WHITE
POCKET RD	54+66.10	181.6' LT	54+86.54	69.7' LT	114					SOLID WHITE
ISLAND	55+27.26	40.19' LT	55+46.05	40.47' LT	81					SOLID WHITE
ISLAND	54+34.49	50.38' RT	55+11.47	49.52' RT	168					SOLID WHITE
IL 163	55+65.00	85.24' RT	55+94.92	138.8' RT	61					SOLID WHITE
ISLAND	55+60.82	49.55' RT	56+04.25	48.77' RT	226					SOLID WHITE
IL ROUTE 15	55+41.32	72.3' LT	88+75.48	99.8' LT	3,347					SOLID WHITE
IL ROUTE 15	55+76.64	5.16' LT	57+49.44	7.87' LT	173					SOLID WHITE
IL ROUTE 15	56+18.70	131.04' RT	83+71.50	88.5' RT	3,745					SOLID WHITE
IL ROUTE 15	88+06.26	49.00' LT	95+25.54	49.00' LT	719					SOLID WHITE
IL ROUTE 15	82+97.21	49.00' RT	95+72.37	49.00' RT	1,274					SOLID WHITE
IL ROUTE 15	94+65.67	119.7' LT	103+26.83	99.9' LT	875					SOLID WHITE
IL ROUTE 15	95+07.22	104.4' RT	104+51.66	122.7' RT	960					SOLID WHITE
IL ROUTE 15	102+58.64	49.00' LT	114+32.78	49.00' LT	1,174					SOLID WHITE
IL ROUTE 15	103+90.91	49.00' RT	110+26.19	49.00' RT	635					SOLID WHITE
IL ROUTE 15	109+56.67	97.0' RT	124+86.00	49.00' RT	1,533					SOLID WHITE
IL ROUTE 15	113+58.73	89.2' LT	124+86.00	61.00' LT	1,127					SOLID WHITE
IL ROUTE 15	118+19.97	49.00' LT	124+86.00	49.00' LT	665					SOLID WHITE
IL ROUTE 15	35+72.50	14.21' LT	43+98.12	19.56' LT	255					SKIP-DASH WHITE
IL ROUTE 15	35+72.50	15.34' RT	43+98.12	22.44' RT	255					SKIP-DASH WHITE
IL ROUTE 15	45+87.71	21.31' LT	54+56.69	27.77' LT	220					SKIP-DASH WHITE
IL ROUTE 15	45+87.71	20.69' RT	54+56.69	38.2' RT	220					SKIP-DASH WHITE
IL ROUTE 15	51+77.72	26.28' RT	54+56.69	26.2' RT	70					SKIP-DASH WHITE
IL ROUTE 15	51+13.33	13.52' LT	54+56.69	15.77' LT	90					SKIP-DASH WHITE
IL ROUTE 15	55+76.33	29.17' LT	124+86.00	36.11' LT	1,754					SKIP-DASH WHITE
IL ROUTE 15	55+76.49	17.24' LT	124+86.00	24.11' LT	1,743					SKIP-DASH WHITE
IL ROUTE 15	55+85.92	24.61' RT	124+86.00	25.00' RT	1,720					SKIP-DASH WHITE
IL ROUTE 15	55+85.92	36.61' RT	124+86.00	37.00' RT	1,720					SKIP-DASH WHITE
IL ROUTE 15	83+71.45	49.00' LT	85+37.71	51.82' LT	40					SKIP-DASH WHITE
IL ROUTE 15	96+82.83	49.00' LT	100+55.01	51.95' LT	90					SKIP-DASH WHITE
IL ROUTE 15	97+12.71	52.50' RT	102+50.83	49.00' RT	130					SKIP-DASH WHITE
IL ROUTE 15	112+80.74	52.08' RT	114+30.71	49.00' RT	40					SKIP-DASH WHITE
IL ROUTE 15	35+72.50	2.25' LT	43+98.12	7.56' LT	871					SOLID YELLOW
IL ROUTE 15	35+72.50	2.25' RT	43+98.12	10.44' RT	871					SOLID YELLOW
IL ROUTE 15	45+87.71	9.31' LT	54+56.69	2.23' RT	880					SOLID YELLOW
IL ROUTE 15	45+87.71	9.94' RT	54+56.69	2.23' RT	870					SOLID YELLOW
IL ROUTE 15	55+44.89	86.4' RT	55+51.87	86.4' LT	30					SOLID YELLOW
IL ROUTE 15	55+74.64	6.69' RT	124+86.00	13.00' LT	6,912					SOLID YELLOW
IL ROUTE 15	55+85.92	6.61' RT	124+86.00	13.00' RT	6,909					SOLID YELLOW
IL ROUTE 15	82+97.21	68.4' RT	83+72.35	72.5' RT	75					SOLID YELLOW
IL ROUTE 15	88+06.26	65.7' LT	88+79.49	84.2' LT	76					SOLID YELLOW
IL ROUTE 15	94+57.46	105.5' LT	95+25.54	70.1' LT	77					SOLID YELLOW
IL ROUTE 15	102+58.64	64.3' LT	103+31.55	84.6' LT	76					SOLID YELLOW
IL ROUTE 15	94+99.91	89.5' RT	95+72.37	63.9' RT	77					SOLID YELLOW
IL ROUTE 15	103+90.91	73.7' RT	104+59.43	106.5' RT	76					SOLID YELLOW
IL ROUTE 15	109+52.24	81.7' RT	110+26.19	64.9' RT	76					SOLID YELLOW
IL ROUTE 15	113+57.90	73.2' LT	114+32.78	69.3' LT	75					SOLID YELLOW
SUB TOTALS					47,434	0	0	0	0	

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 15-24-DB76K18-sht-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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JRD	REVISED -			103	(29-1, 28-1) RS-5	ST. CLAIR	45	20	
		CHECKED - SLD	REVISED -			CONTRACT NO. 76K18					
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -			SCALE: N.T.S.	SHEET 6 OF 10 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT

TEMPORARY PAVEMENT MARKING SCHEDULE CONTINUED					TEMPORARY PMT MK 4" (FOOT)	TEMPORARY PMT MK 8" (FOOT)	TEMPORARY PMT MK 12" (FOOT)	TEMPORARY PMT MK 24" (FOOT)	TEMPORARY PMT MK LETTER & SYMB (SQ FT)	NOTES
LOCATION										
ROADWAY	STATION	OFFSET	STATION	OFFSET						
IL ROUTE 15	79+35.16	49.00' RT	82+97.21	68.44' RT		362			SOLID WHITE	
IL ROUTE 15	79+35.16	49.00' RT	82+97.21	49.00' RT		361			SOLID WHITE	
IL ROUTE 15	85+37.71	49.00' LT	88+06.26	49.00' LT		269			SOLID WHITE	
IL ROUTE 15	85+37.71	51.82' LT	88+06.26	65.65' LT		270			SOLID WHITE	
IL ROUTE 15	95+25.54	49.00' LT	96+82.83	49.00' LT		157			SOLID WHITE	
IL ROUTE 15	95+25.54	70.09' LT	96+82.83	49.00' LT		159			SOLID WHITE	
IL ROUTE 15	95+72.37	49.00' RT	96+63.15	49.00' RT		91			SOLID WHITE	
IL ROUTE 15	95+72.37	63.94' RT	97+12.71	52.50' RT		141			SOLID WHITE	
IL ROUTE 15	100+55.01	51.95' LT	102+58.64	64.26' LT		204			SOLID WHITE	
IL ROUTE 15	100+55.01	49.00' LT	102+58.64	49.00' LT		204			SOLID WHITE	
IL ROUTE 15	102+50.83	49.00' RT	103+90.91	73.66' RT		143			SOLID WHITE	
IL ROUTE 15	102+50.83	49.00' RT	103+90.91	49.00' RT		140			SOLID WHITE	
IL ROUTE 15	110+26.19	49.00' RT	111+25.12	49.00' RT		99			SOLID WHITE	
IL ROUTE 15	110+26.19	64.85' RT	112+80.74	52.08' RT		255			SOLID WHITE	
IL ROUTE 15	114+32.78	49.00' LT	118+19.97	49.00' LT		387			SOLID WHITE	
IL ROUTE 15	114+32.78	69.28' LT	118+19.97	49.00' LT		388			SOLID WHITE	
IL ROUTE 15	114+32.78	69.28' LT	118+19.97	49.00' LT			270		SOLID WHITE	
POCKET RD	54+45.86	70.9' LT	54+70.16	63.9' LT			25		STOP BAR	
POCKET RD	54+72.14	66.3' LT	54+98.29	73.0' LT			27		STOP BAR	
IL ROUTE 15	55+79.24	48.6' LT	55+76.19	40.8' LT			9		STOP BAR	
IL ROUTE 15	55+76.19	40.8' LT	55+76.64	5.2' LT			36		STOP BAR	
IL ROUTE 15	55+85.47	5.3' LT	55+85.61	6.6' RT			12		STOP BAR	
IL ROUTE 15	54+57.77	2.23' RT	54+57.74	14.2' RT			12		STOP BAR	
IL ROUTE 15	54+78.98	14.0' RT	54+79.26	50.0' RT			36		STOP BAR	
IL ROUTE 163	55+06.69	96.9' RT	55+15.62	83.6' RT			16		STOP BAR	
IL ROUTE 163	55+54.18	90.9' RT	55+75.65	79.7' RT			24		STOP BAR	
IL ROUTE 163	55+91.93	75.7' RT	56+14.85	77.8' RT			23		STOP BAR	
IL ROUTE 15	53+41.39	11.3' RT						15.6	LEFT TURN	
IL ROUTE 15	54+16.39	10.9' RT						15.6	LEFT TURN	
IL ROUTE 15	56+20.17	1.9' LT						15.6	LEFT TURN	
IL ROUTE 15	56+95.17	2.4' LT						15.6	LEFT TURN	
SHEET 20 OF 45 SUB TOTALS					46,904	0	0	0		
TOTALS					46,904	3,631	270	220	63	

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 15-24-D876K18-sht-schedule.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JRD	REVISED -		SCALE: N.T.S.	SHEET 7	OF 10 SHEETS	STA.	TO STA.	103	(29-1, 28-1) RS-5	45	21
#MODELNAME#	PLOT SCALE = 100.0000' / 1in.	CHECKED - SLD	REVISED -		CONTRACT NO. 76K18								
	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -		ILLINOIS FED. AID PROJECT								

SHORT TERM PAVEMENT MARKING SCHEDULE										
LOCATION					• APPLICATIONS	SHORT TERM PMT MK (FOOT)	SHORT TERM PMT MK REM (SQ FT)	NOTES		
ROADWAY	STATION	OFFSET	STATION	OFFSET						
IL ROUTE 15	37+37.98	27.29' LT	43+98.12	31.56' LT	1	28	9.3	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	45+87.71	33.31' LT	53+81.47	39.28' LT	1	32	10.7	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	56+25.14	41.64' LT	88+75.48	99.75' LT	1	132	44.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	88+06.26	49' LT	95+25.54	49' LT	1	28	9.3	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	94+65.67	119.73' LT	103+26.83	99.86' LT	1	36	12.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	102+58.64	49' LT	114+32.78	49' LT	1	48	16.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	113+58.73	89.18' LT	124+86.00	61' LT	1	44	14.7	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	65+37.99	9.5' LT	124+86.00	13' LT	1	236	78.7	4' INSIDE EDGE @ 100' 0-C		
IL ROUTE 15	35+72.50	14.20' LT	43+98.12	19.56' LT	3	252	84.0	4' LANE @ 40'		
IL ROUTE 15	35+72.50	2.25' LT	38+84.41	4.41' LT	3	96	32.0	4' LANE @ 40'		
IL ROUTE 15	45+87.71	21.31' LT	54+56.69	27.77' LT	3	264	88.0	4' LANE @ 40'		
IL ROUTE 15	51+13.33	13.52' LT	54+56.69	15.77' LT	3	108	36.0	4' LANE @ 40'		
IL ROUTE 15	55+76.33	29.32' LT	124+86.00	37' LT	3	2,076	692.0	4' LANE @ 40'		
IL ROUTE 15	55+76.49	17.32' LT	124+86.00	25' LT	3	2,076	692.0	4' LANE @ 40'		
IL ROUTE 15	55+85.47	5.27' LT	57+34.63	6.76' LT	3	48	16.0	4' LANE @ 40'		
IL ROUTE 15	83+71.45	49' LT	88+79.49	84.23' LT	3	156	52.0	4' LANE @ 40'		
IL ROUTE 15	85+37.71	49' LT	88+06.26	49' LT	3	84	28.0	4' LANE @ 40'		
IL ROUTE 15	95+25.54	49' LT	102+58.64	49' LT	3	216	72.0	4' LANE @ 40'		
IL ROUTE 15	94+57.46	105.53' LT	96+82.83	49' LT	3	72	24.0	4' LANE @ 40'		
IL ROUTE 15	100+55.01	51.95' LT	103+31.55	84.56' LT	3	84	28.0	4' LANE @ 40'		
IL ROUTE 15	114+32.78	49' LT	124+86.00	49' LT	3	312	104.0	4' LANE @ 40'		
IL ROUTE 15	113+57.87	73.21' LT	118+19.97	49' LT	3	144	48.0	4' LANE @ 40'		
IL ROUTE 15	65+37.99	9.33' RT	124+86.00	13' RT	1	236	78.7	4' INSIDE EDGE @ 100' 0-C		
IL ROUTE 15	36+62.93	26.81' RT	43+98.12	34.44' RT	1	28	9.3	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	45+87.71	32.69' RT	54+02.47	62.59' RT	1	32	10.7	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	56+90.47	47.93' RT	83+71.50	88.48' RT	1	108	36.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	82+97.21	49' RT	95+72.37	49' RT	1	52	17.3	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	95+07.22	104.39' RT	104+51.66	122.72' RT	1	40	13.3	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	103+90.91	49' RT	110+26.19	49' RT	1	24	8.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	109+56.67	97.04' RT	124+86.00	49' RT	1	60	20.0	4' OUTSIDE EDGE @ 100' 0-C		
IL ROUTE 15	35+72.50	2.25' RT	38+84.53	4.75' RT	3	96	32.0	4' LANE @ 40'		
IL ROUTE 15	35+72.50	15.34' RT	43+98.12	22.44' RT	3	252	84.0	4' LANE @ 40'		
IL ROUTE 15	45+87.71	20.69' RT	54+79.17	38.09' RT	3	264	88.0	4' LANE @ 40'		
IL ROUTE 15	52+42.73	15.63' RT	54+57.74	14.16' RT	3	60	20.0	4' LANE @ 40'		
IL ROUTE 15	51+77.72	26.28' RT	54+79.07	26.09' RT	3	96	32.0	4' LANE @ 40'		
IL ROUTE 15	51+77.36	50.28' RT	54+79.26	50.09' RT	3	96	32.0	4' LANE @ 40'		
IL ROUTE 15	55+85.92	24.61' RT	124+86.00	25' RT	3	2,076	692.0	4' LANE @ 40'		
IL ROUTE 15	55+85.92	36.61' RT	124+86.00	37' RT	3	2,076	692.0	4' LANE @ 40'		
IL ROUTE 15	79+35.16	49' RT	82+97.21	49' RT	3	108	36.0	4' LANE @ 40'		
IL ROUTE 15	79+35.16	49' RT	83+72.37	71.90' RT	3	132	44.0	4' LANE @ 40'		
IL ROUTE 15	95+72.37	49' RT	96+63.15	49' RT	3	24	8.0	4' LANE @ 40'		
IL ROUTE 15	94+99.91	89.55' RT	103+90.91	49' RT	3	265	88.0	4' LANE @ 40'		
IL ROUTE 15	102+50.83	49' RT	103+66.76	65.85' RT	3	60	20.0	4' LANE @ 40'		
IL ROUTE 15	110+26.19	49' RT	111+25.12	49' RT	3	24	8.0	4' LANE @ 40'		
IL ROUTE 15	110+26.19	64.85' RT	114+30.71	49' RT	3	144	48.0	4' LANE @ 40'		
SUB TOTALS						12,924	4,308			

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 15-24-DB76K18-sht-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. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 22
*MODELNAME*	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -		SCALE: N.T.S.	SHEET 8	OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 76K18		
	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -		ILLINOIS FED. AID PROJECT							

LOCATION					# APPLICATIONS	SHORT TERM PMT MK (FOOT)	SHORT TERM PMT MK REM (SQ FT)	NOTES
ROADWAY	STATION	OFFSET	STATION	OFFSET				
IL ROUTE 15	55+79.24	48.6' LT	55+76.19	40.8' LT	3	72	24.0	STOP BAR (3 X 4" TAPE)
IL ROUTE 15	55+76.19	40.8' LT	55+76.64	5.2' LT	3	324	108.0	STOP BAR (3 X 4" TAPE)
IL ROUTE 15	55+85.47	5.3' LT	55+85.61	6.6' RT	3	108	36.0	STOP BAR (3 X 4" TAPE)
IL ROUTE 15	54+57.77	2.23' RT	54+57.74	14.2' RT	3	108	36.0	STOP BAR (3 X 4" TAPE)
IL ROUTE 15	54+78.98	14.0' RT	54+79.26	50.0' RT	3	324	108.0	STOP BAR (3 X 4" TAPE)
IL 163	55+06.69	96.9' RT	55+15.62	83.6' RT	3	144	48.0	STOP BAR (3 X 4" TAPE)
IL 163	55+54.18	90.9' RT	55+75.65	79.7' RT	3	216	72.0	STOP BAR (3 X 4" TAPE)
IL 163	55+91.93	75.7' RT	56+14.85	77.8' RT	3	207	69.0	STOP BAR (3 X 4" TAPE)
POCKET RD	54+45.86	70.9' LT	54+70.16	63.9' LT	3	225	75.0	STOP BAR (3 X 4" TAPE)
POCKET RD	54+72.14	66.3' LT	54+98.29	73.0' LT	3	243	81.0	STOP BAR (3 X 4" TAPE)
SHEET 22 OF 45 SUB TOTALS						12,924	4,308	
TOTALS						14,895	4,965	

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 15-24-DB76K18-sht-schedule.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/9/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

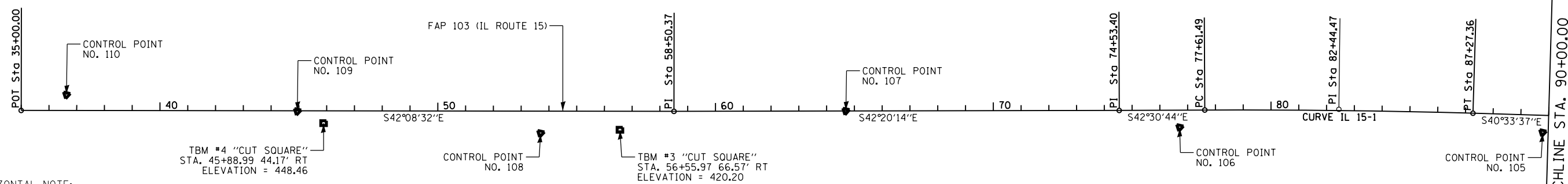
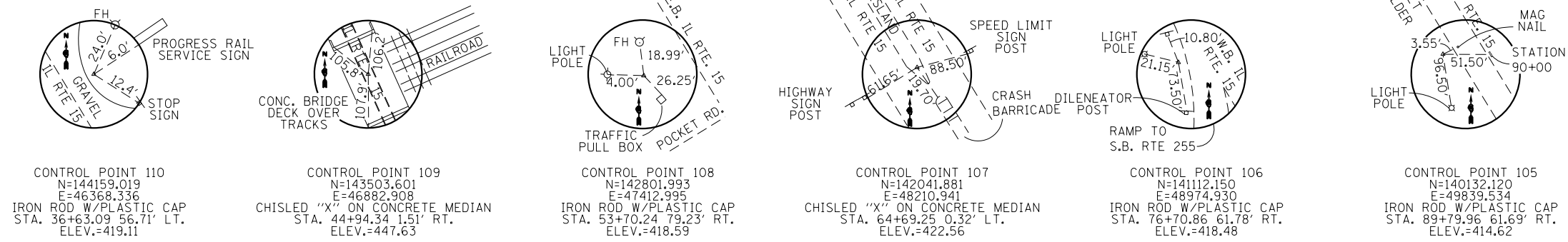
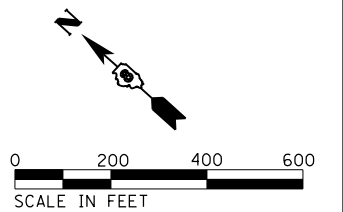
SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	23
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				







1. HORIZONTAL NOTE:  
 THE HORIZONTAL SURVEY CONTROL FOR THIS PROJECT FAP ROUTE 103 (IL ROUTE 15) SECTION "29-1, 28-1", RS-5, ST. CLAIR COUNTY, WERE SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION DURING OCTOBER, 2017.

POINT NUMBER	NORTHING	EASTING	DESCRIPTION
100	137201.7300	52450.1450	CUT CROSS
101	137819.9390	52022.0090	IRON ROD W/CAP
102	138491.6590	51429.0020	MAG SPIKE
103	139236.6680	50816.4400	IRON ROD W/CAP
104	139547.0520	50322.3670	MAG SPIKE
105	140132.1200	49839.5340	IRON ROD W/CAP
106	141112.1500	48974.9300	IRON ROD W/CAP
107	142041.8810	48210.9410	CUT CROSS
108	142801.9930	47412.9950	IRON ROD W/CAP
109	143503.6010	46882.9080	CUT CROSS
110	144159.0190	46368.3360	IRON ROD W/CAP

2. VERTICAL NOTE:  
 THE VERTICAL CONTROL FOR THIS PROJECT FAP ROUTE 103 (IL ROUTE 15) SECTION "29-1, 28-1", RS-5, ST. CLAIR COUNTY WAS SUPPLIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION DURING OCTOBER, 2017.

PROJECT BENCHMARKS  
 BM 255-22  
 CUT "SQUARE" ON THE NORTH END OF THE NORTHWEST PARAPET WALL ABOVE THE BRIDGE NAME PLATE OF "SN082-0231" OVER ILLINOIS ROUTE 13/15.  
 ELEV: 435.34.

TBM 1  
 CUT "U" ON THE TOP EDGE OF THE CONCRETE DITCH ALONG THE ASPHALT SHOULDER OF THE WEST BOUND LANES OF IL RTE 15, UNDER THE I-255 OVERPASS, NEAR THE NORTHWEST CORNER OF THE OVERPASS.  
 ELEV: 412.40.

TBM 2  
 CUT "SQUARE" CENTERLINE NORTH HEADWALL CULVERT #082\*2538  
 87' NORTH OF CENTERLINE (IL ROUTE 15) AND 115' SOUTH OF  
 SOUTHWEST CORNER OF NORTH CONCRETE BASE OF SIGN TRUSS  
 ELEV: 409.64.

TBM 3  
 CUT "SQUARE" SOUTH SIDE CONCRETE BASE TRAFFIC SIGNAL IN  
 SOUTH EAST QUADRANT INTERSECTION IL ROUTE 15 & POCKET ROAD  
 ELEV: 420.20

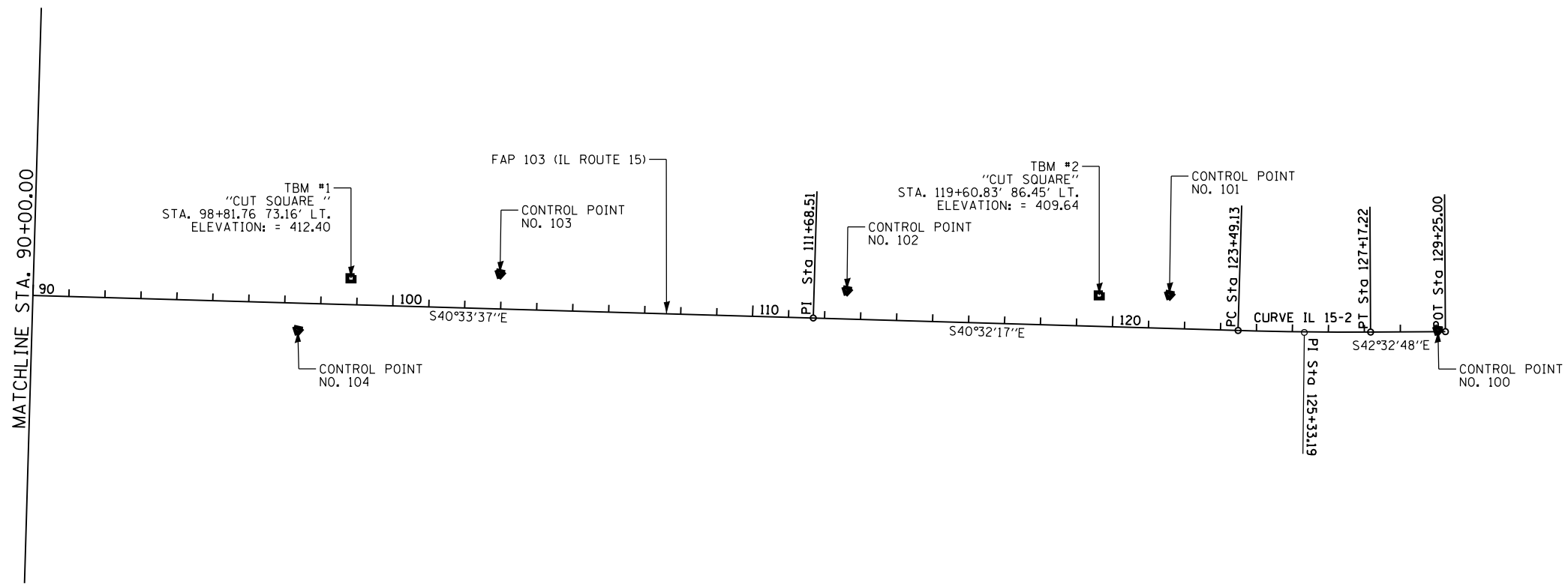
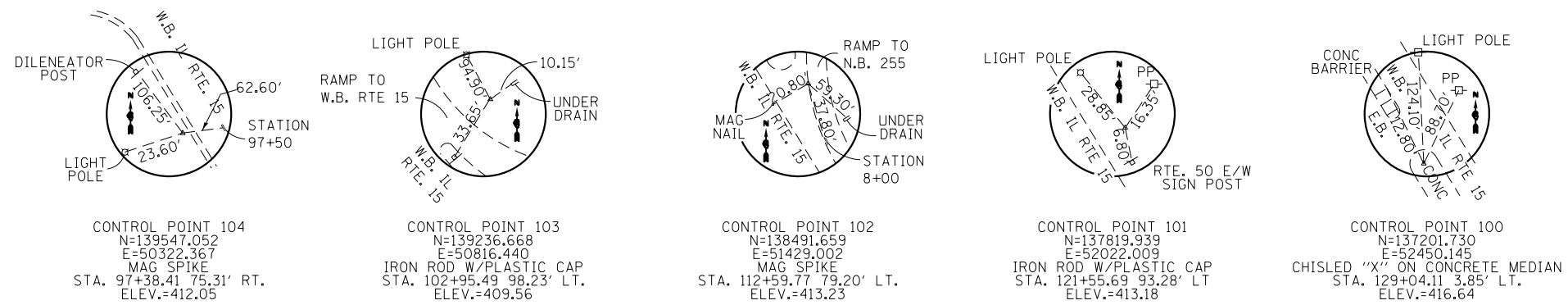
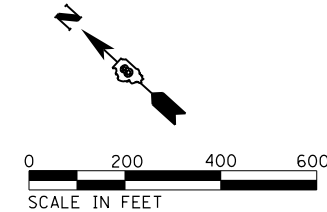
TBM 4  
 CUT "SQUARE" TOP SE END CONCRETE BARRIER WALL IL ROUTE 15  
 BRIDGE OVER RXR TRACKS 1,800 +/- WEST OF POCKET DRIVE.  
 ELEV: 448.46

UTILITY INFORMATION  
 J.U.L.I.E. TICKET NOS. X3250665, X3250649, X3250599, X3250674, X3250635, X3250662 AND X3250626 ON NOVEMBER 21, 2017.  
 NOTE: THERE WERE NO UTILITIES MARKED AT THE TIME THE FIELD SURVEY WAS PERFORMED.

FAP ROUTE 103 (IL ROUTE 15)		
STATION	NORTHING	EASTING
POT Sta 35+00.00	144241.899	46216.857
PI Sta 58+50.37	142499.145	47793.892
PI Sta 74+53.40	141314.196	48873.522
PC Sta 77+61.49	141087.088	49081.718
PI Sta 82+44.47	140731.068	49408.090
PT Sta 87+27.36	140364.138	49722.146
PI Sta 111+68.51	138509.544	51309.494
PC Sta 123+49.13	137612.300	52076.842
PI Sta 125+33.19	137472.417	52196.475
PT Sta 127+17.22	137336.812	52320.936
POT Sta 129+25.00	137183.733	52461.437

PROP. CURVE IL 15-1  
 PI STA. = 82+44.47  
 $\Delta = 1^\circ 57' 07''$  (RT)  
 D = 0° 12' 08"  
 R = 28,350.00'  
 T = 482.98'  
 L = 965.86'  
 E = 4.11'  
 P.C. STA. = 77+61.49  
 P.T. STA. = 87+27.36

**EFK Moen, LLC**  
 Civil Engineering Design



PROP. CURVE IL15-2  
 PI STA. = 125+33.19  
 $\Delta = 2^\circ 00' 31''$  (LT)  
 $D = 0^\circ 32' 44''$   
 $R = 10,500.00'$   
 $T = 184.06'$   
 $L = 368.09'$   
 $E = 1.61'$   
 P.C. STA. = 123+49.13  
 P.T. STA. = 127+17.22

**EFK Moen, LLC**  
 Civil Engineering Design

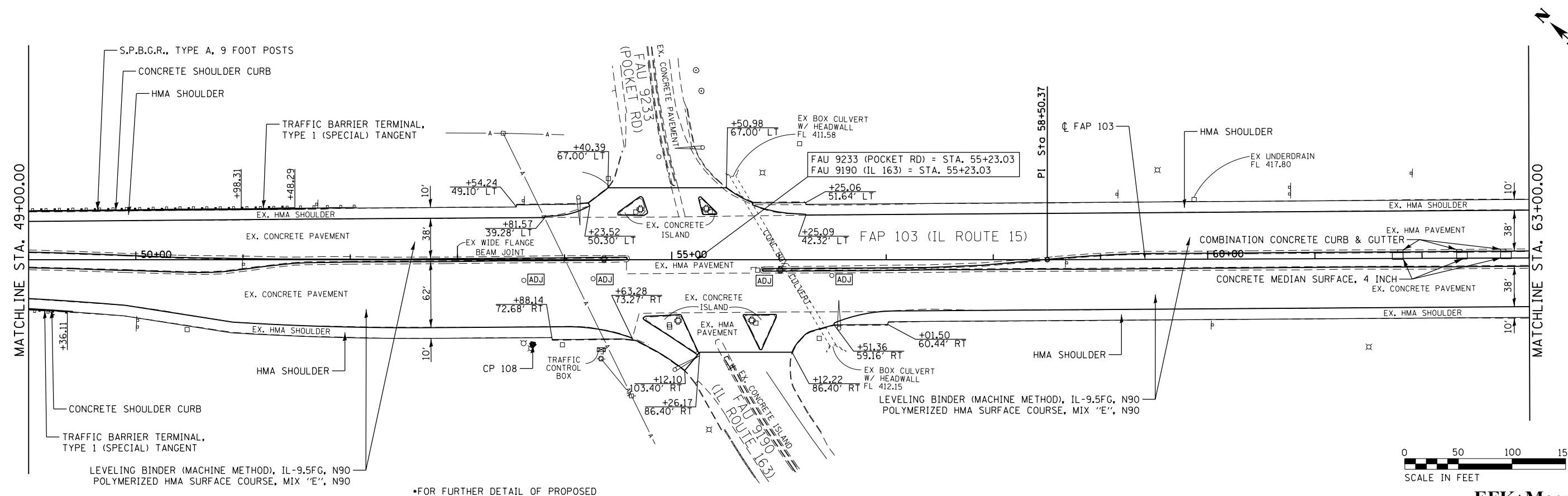
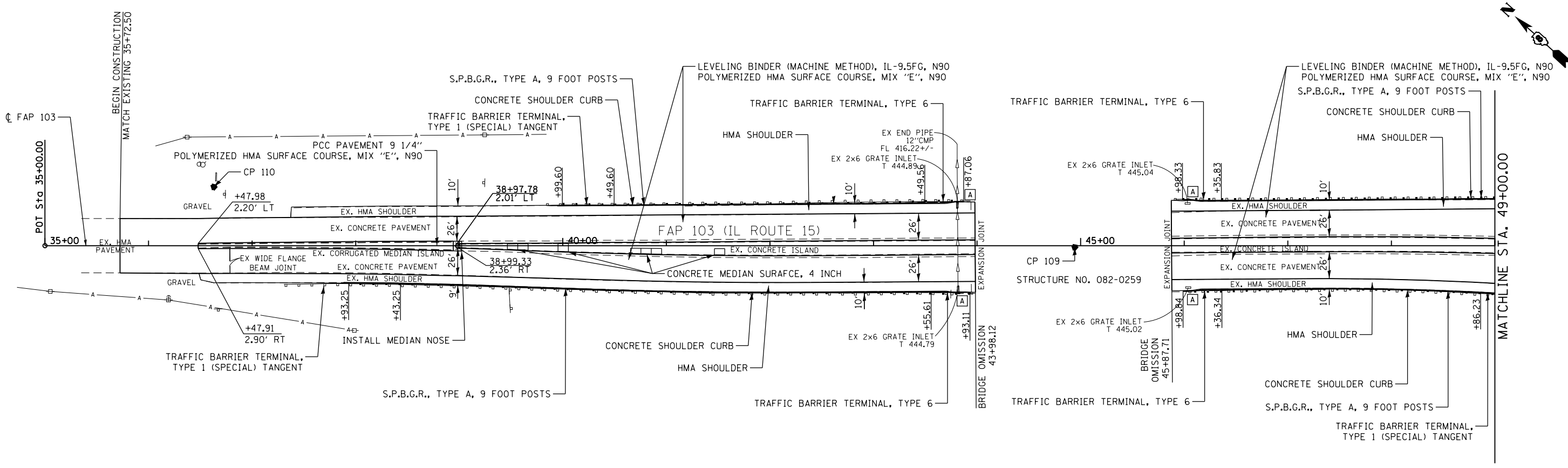
FILE NAME = 26-DB76K18-sht-ATB02.dgn	USER NAME = jd	DESIGNED - MSK	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 400.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1"=200' SHEET 2 OF 2 SHEETS STA. 90+00.00 TO STA. 129+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	26
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				



•FOR FURTHER DETAIL OF PROPOSED PCC PAVEMENT AND HMA RESURFACING AROUND EXISTING ISLANDS SEE INTERSECTION DETAIL SHEET

**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 27-DB76K18-sht-pln01.dgn

USER NAME = jd  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 3/18/2018

DESIGNED - JRD  
DRAWN - MSK  
CHECKED - SLD  
DATE - 3/9/2018

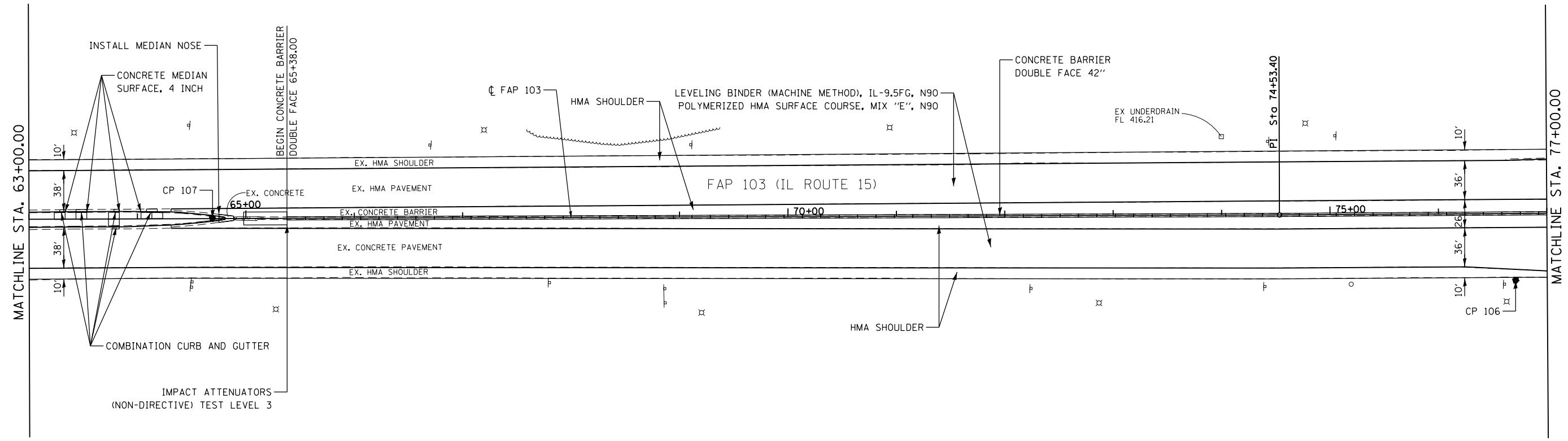
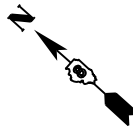
REVISED -  
REVISED -  
REVISED -  
REVISED -

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

**PLAN**  
**FAP 103**

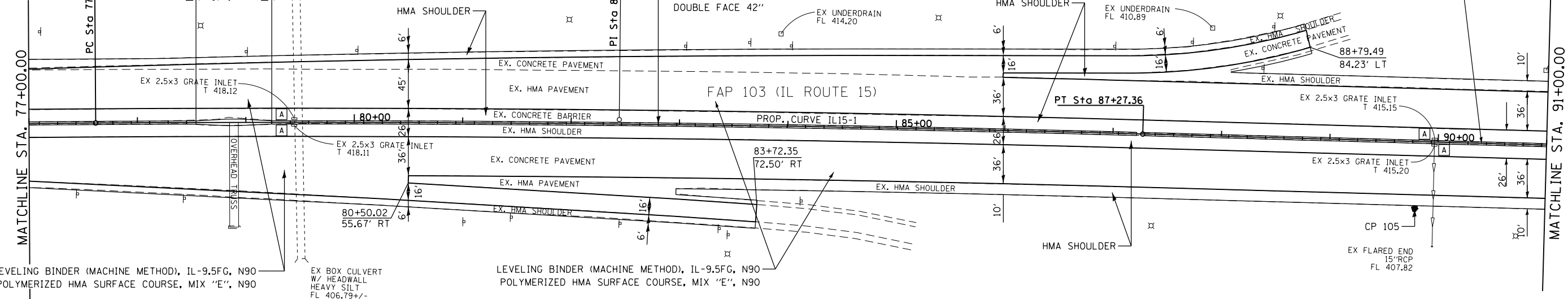
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 35+00.00 TO STA. 63+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	27
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				

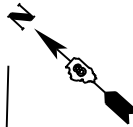
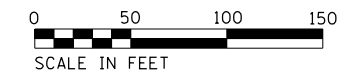


MATCHLINE STA. 77+00.00

PROP. CURVE IL15-1  
 PI STA. = 82+44.47  
 $\Delta = 1^\circ 57' 07''$  (RT)  
 $D = 0^\circ 12' 08''$   
 $R = 28,350.00'$   
 $T = 482.98'$   
 $L = 965.86'$   
 $E = 4.11'$   
 P.C. STA. = 77+61.49  
 P.T. STA. = 87+27.36



MATCHLINE STA. 91+00.00



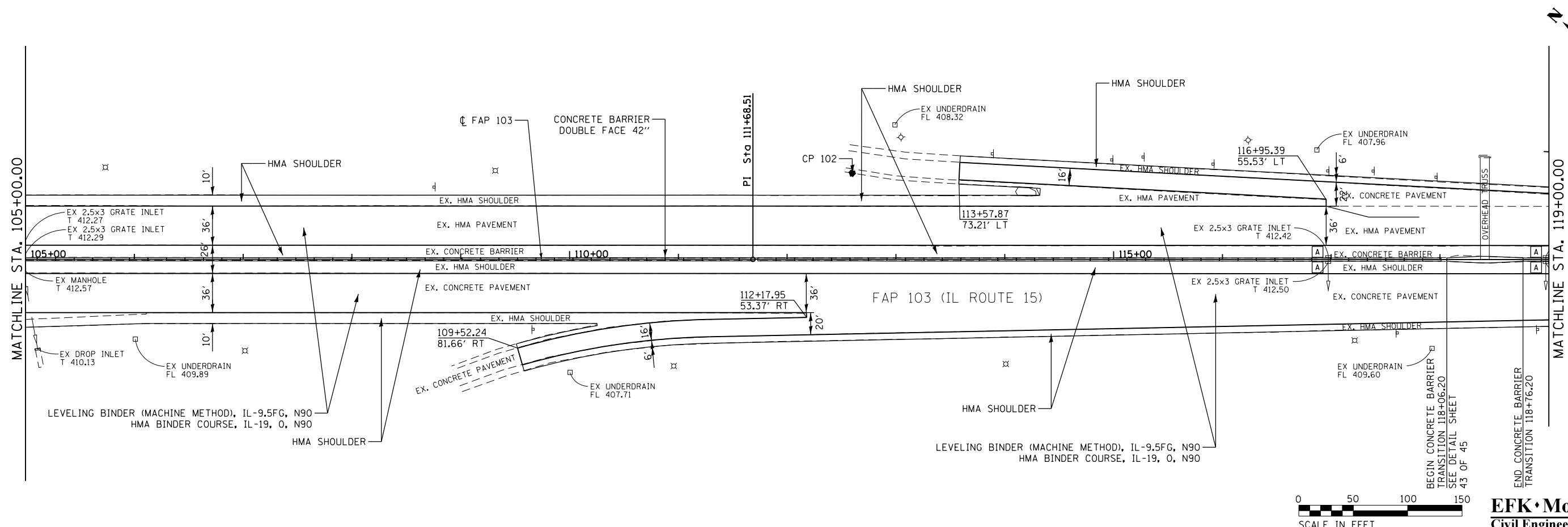
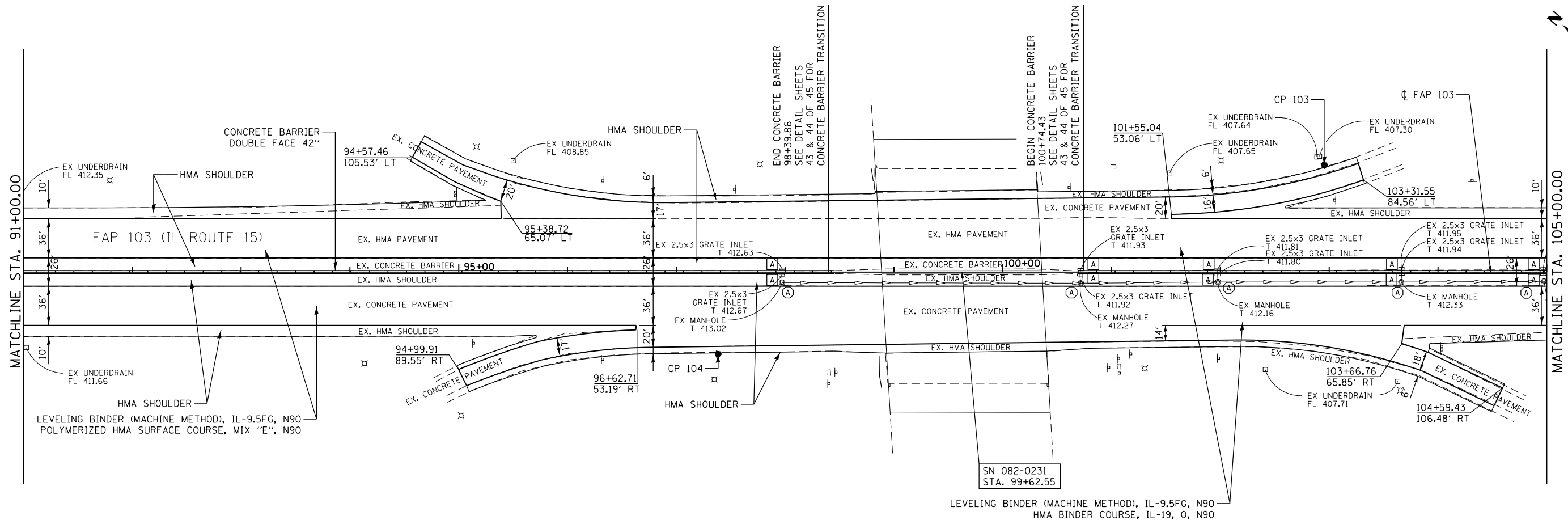
**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 28-DB76K18-sht-pln02.dgn	USER NAME = mys	DESIGNED - JRD	REVISED -
	PLOT SCALE = 100.0000' / 1\"/>		
	PLOT DATE = 3/27/2018	CHECKED - SLD	REVISED -
		DATE - 3/9/2018	REVISED -

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

<b>PLAN</b>		F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 28
SCALE: 1"=50'	SHEET 2 OF 4 SHEETS	STA. 63+00.00 TO STA. 91+00.00		CONTRACT NO. 76K18		

ILLINOIS FED. AID PROJECT	
---------------------------	--



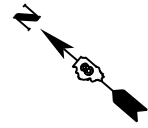
FILE NAME = 29-DB76K18-sht-pln03.dgn	USER NAME = mys	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
		CHECKED - SLD	REVISED -
		DATE - 3/9/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

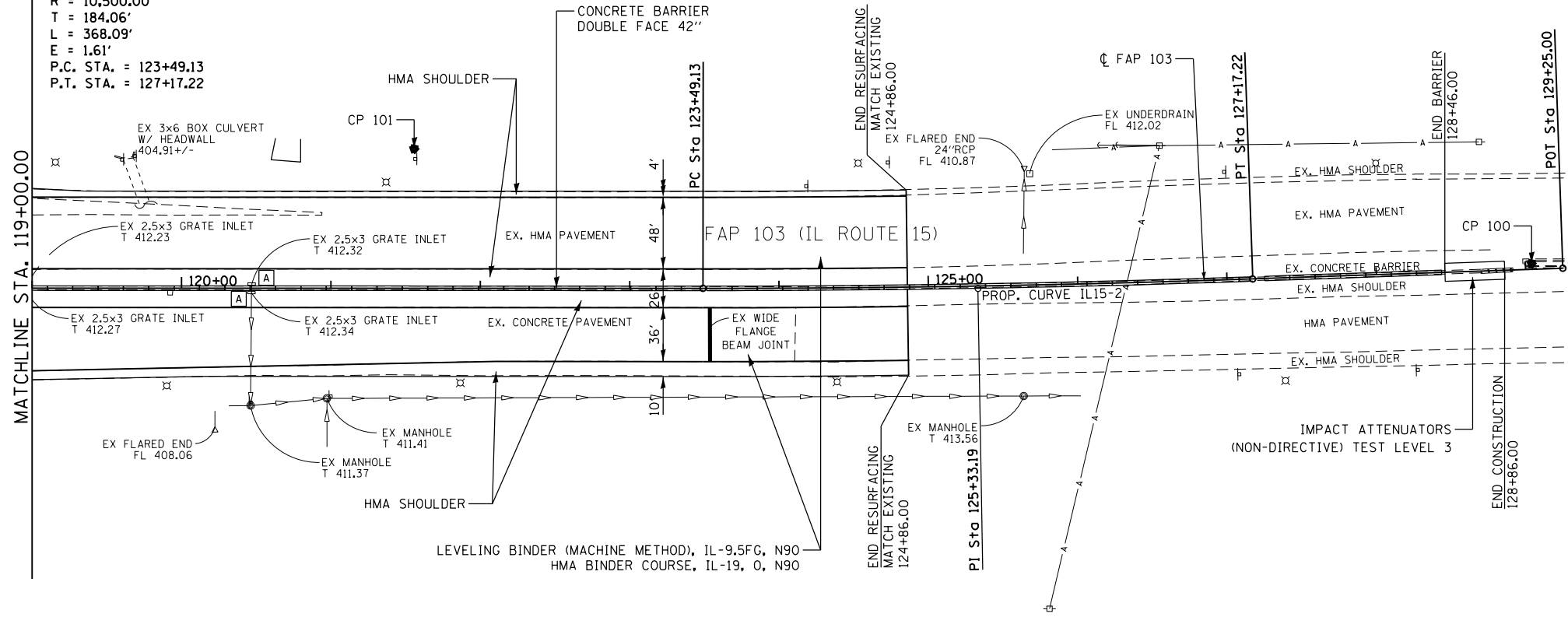
<b>PLAN FAP 103</b>	
SCALE: 1"=50'	SHEET 3 OF 4 SHEETS
STA. 91+00.00	TO STA. 119+00.00

F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 29
CONTRACT NO. 76K18			ILLINOIS FED. AID PROJECT	

**EFK Moen, LLC**  
Civil Engineering Design



PROP. CURVE IL15-2  
 PI STA. = 125+33.19  
 $\Delta = 2^\circ 00' 31''$  (L.T)  
 $D = 0^\circ 32' 44''$   
 $R = 10,500.00'$   
 $T = 184.06'$   
 $L = 368.09'$   
 $E = 1.61'$   
 P.C. STA. = 123+49.13  
 P.T. STA. = 127+17.22



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 30-D876K18-sht-pln04.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -
	PLOT SCALE = 100.0000' / in.	DRAWN - MSK	REVISED -
*MODELNAME*	PLOT DATE = 3/18/2018	CHECKED - SLD	REVISED -
		DATE - 3/9/2018	REVISED -

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

<b>PLAN</b> <b>FAP 103</b>		SCALE: 1"=50'	SHEET 4 OF 4 SHEETS	STA. 91+00.00 TO STA. 119+00.00
		ILLINOIS FED. AID PROJECT		

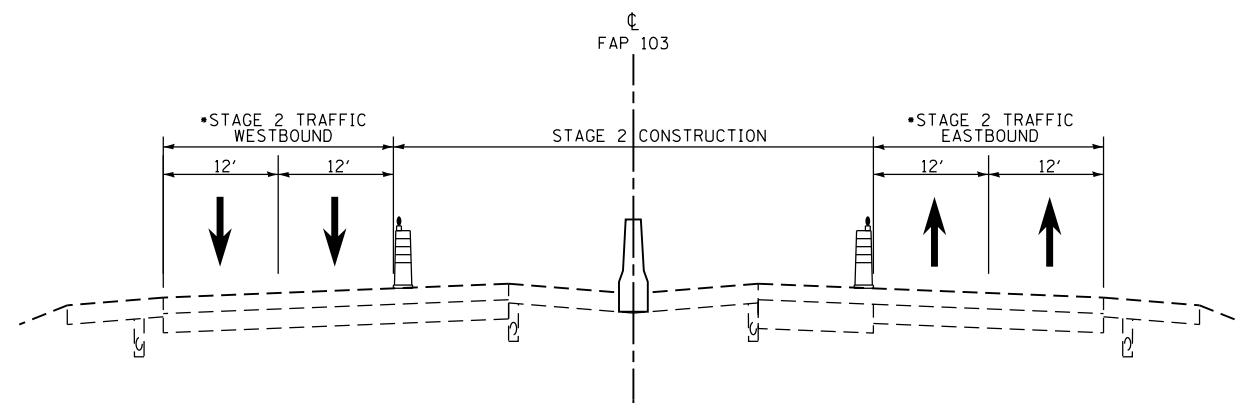
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	30
CONTRACT NO. 76K18				

IL ROUTE 15 SUGGESTED CONSTRUCTION SEQUENCE:

- STAGE 1 - EASTBOUND AND WESTBOUND:  
PAVEMENT PATCHING OF MAINLINE PAVEMENT (STANDARDS 701422 AND 701446).
- STAGE 2 - EASTBOUND AND WESTBOUND:  
CLOSE INSIDE LANE DURING NON-PEAK HOUR RESTRICTIONS AS SHOWN ON THE STAGE 2 TYPICAL SECTION (STANDARD 701421).  
REPLACE THE CONCRETE MEDIAN BARRIER.
- STAGE 3 - EASTBOUND AND WESTBOUND:  
REPAIR AND MODIFY THE CENTER CONCRETE MEDIANS WEST AND EAST OF THE IL ROUTE 163/POCKET ROAD INTERSECTION (STANDARD 701421).  
REMOVE THE CORRUGATED MEDIAN (STANDARD 701421).
- STAGE 4 - EASTBOUND AND WESTBOUND:  
MILL/SCARIFY AND OVERLAY THE MAINLINE PAVEMENT AND SHOULDERS AND ADJUST INLETS AND MANHOLES AS NECESSARY (STANDARDS 401411, 401421, AND 701446).  
REPLACE THE GUARDRAIL AND CONCRETE SHOULDER CURB (STANDARD 701101).  
INSTALL PAVEMENT MARKING (STANDARD 701426).

PEAK HOUR RESTRICTIONS, SUNDAY - SATURDAY													PEAK HOUR RESTRICTIONS, SUNDAY - SATURDAY																																				
IL ROUTE 15 WEST OF I-255	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	IL ROUTE 15 EAST OF I-255	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
•2 LANE CLOSURE (EASTBOUND)	•2 LANE CLOSURE ALLOWED											NO 2 LANE CLOSURES	•2 LANE CLOSURE ALLOWED											•2 LANE CLOSURE (EASTBOUND)	•2 LANE CLOSURE ALLOWED											NO 2 LANE CLOSURES											•2 LANE CLOSURE ALLOWED		
1 LANE CLOSURE (EASTBOUND)	1 LANE CLOSURE ALLOWED												1 LANE CLOSURE ALLOWED											1 LANE CLOSURE (EASTBOUND)	1 LANE CLOSURE ALLOWED											NO LANE CLOSURE	1 LANE CLOSURE ALLOWED												
•2 LANE CLOSURE (WESTBOUND)	•2 LANE CLOSURE ALLOWED											NO 2 LANE CLOSURES	•2 LANE CLOSURE ALLOWED											•2 LANE CLOSURE (WESTBOUND)	•2 LANE CLOSURE ALLOWED											NO 2 LANE CLOSURES											•2 LANE CLOSURE ALLOWED		
1 LANE CLOSURE (WESTBOUND)	1 LANE CLOSURE ALLOWED												1 LANE CLOSURE ALLOWED											1 LANE CLOSURE (WESTBOUND)	1 LANE CLOSURE ALLOWED											NO LANE CLOSURE	1 LANE CLOSURE ALLOWED												
ADDITIONAL FRIDAY RESTRICTION	LANE CLOSURES ALLOWED											NO LANE CLOSURES ALLOWED											ADDITIONAL FRIDAY RESTRICTION	LANE CLOSURES ALLOWED											NO LANE CLOSURES ALLOWED														

- A MINIMUM OF ONE LANE IN EACH DIRECTION MUST REMAIN FULLY OPEN TO TRAFFIC AT ALL TIMES.
- 2 LANE CLOSURES WILL ONLY BE ALLOWED ON ROADWAY SECTIONS WITH 3 LANES IN EACH DIRECTION.

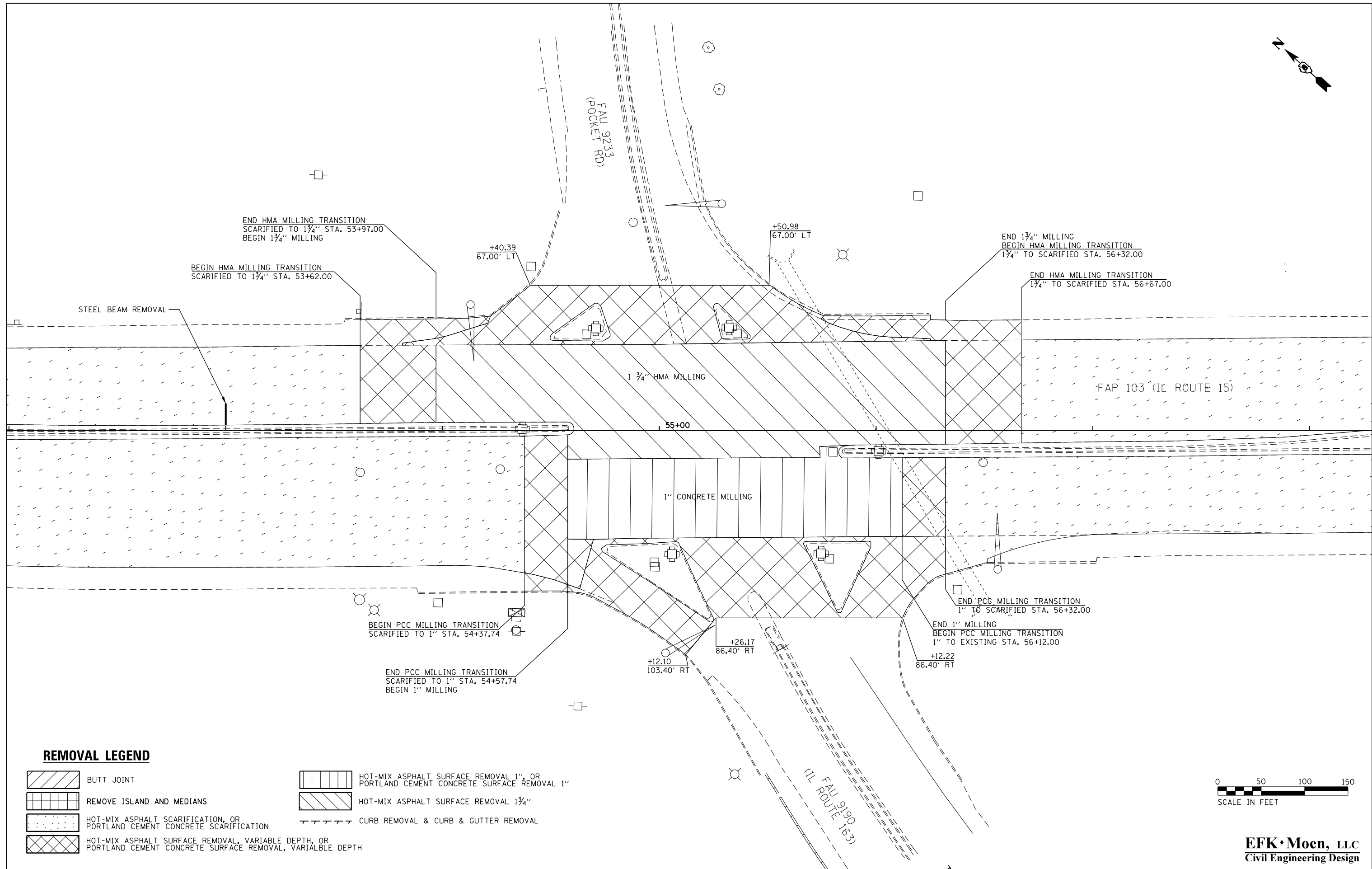
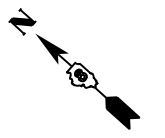


**TYPICAL SECTION  
STAGE 2**

STA. 62+24 - STA. 129+11 EASTBOUND  
STA. 64+61 - STA. 129+11 WESTBOUND

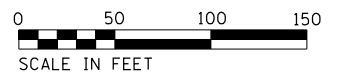
•LANE CLOSURE WILL ONLY BE PERMITTED DURING NON-PEAK HOUR RESTRICTIONS (SEE ABOVE FOR CHART)

FILE NAME = 31-DB76K18-sht-staging01.dgn	USER NAME = mys	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION PLAN STAGING NOTES AND TYPICAL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#MODELNAME#	PLOT SCALE = 100.0000' / 1in.	CHECKED - SLD	REVISED -			103	(29-1, 28-1) RS-5	ST. CLAIR	45	31		
	PLOT DATE = 3/27/2018	DATE - 3/9/2018	REVISED -			SCALE: 1"=50'		SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT
CONTRACT NO. 76K18												



**REMOVAL LEGEND**

- BUTT JOINT
- REMOVE ISLAND AND MEDIANS
- HOT-MIX ASPHALT SCARIFICATION, OR PORTLAND CEMENT CONCRETE SCARIFICATION
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL 1", OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1"
- HOT-MIX ASPHALT SURFACE REMOVAL 1 3/4"
- CURB REMOVAL & CURB & GUTTER REMOVAL



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 32-D876K18-sht-intersec01.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -
		DRAWN - SJF	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - SLD	REVISED -
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -

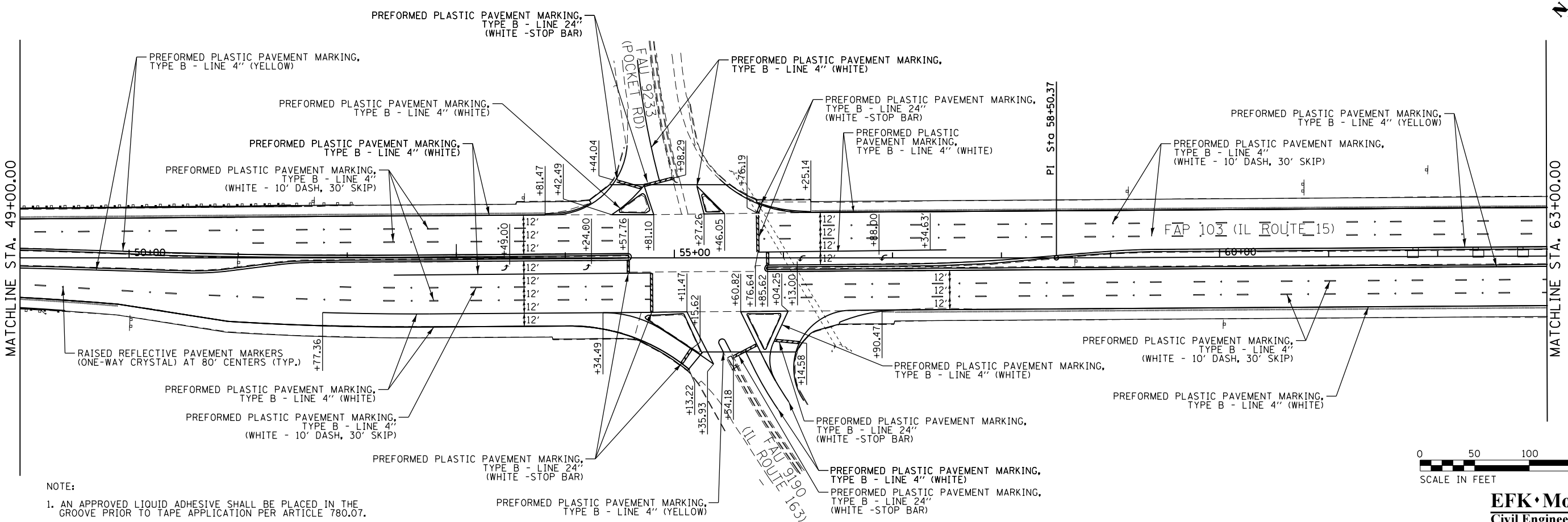
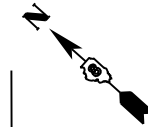
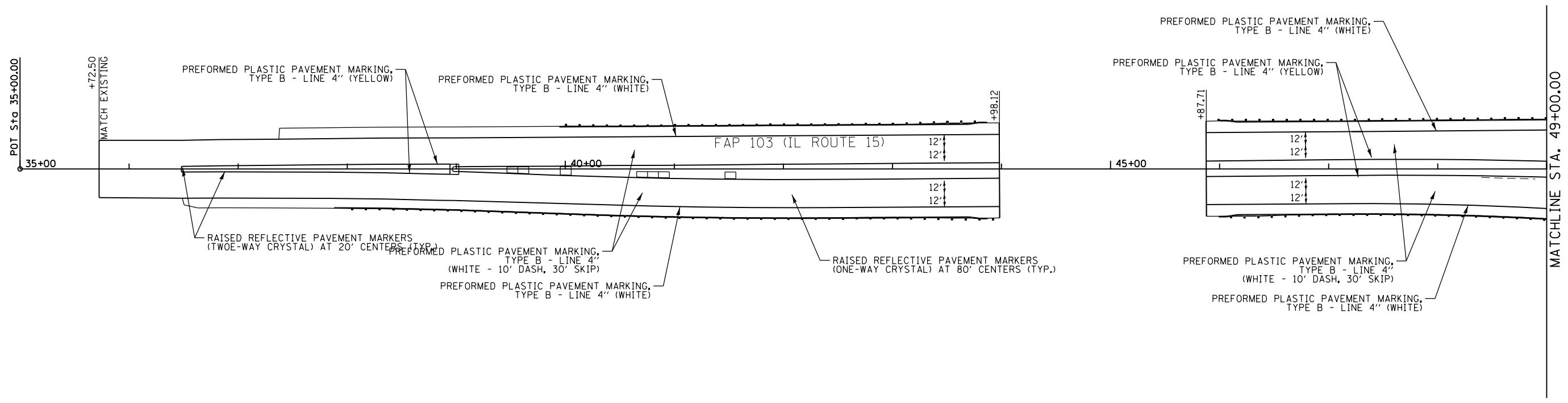
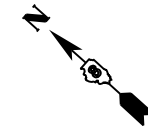
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	32
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				





NOTE:  
 1. AN APPROVED LIQUID ADHESIVE SHALL BE PLACED IN THE GROOVE PRIOR TO TAPE APPLICATION PER ARTICLE 780.07.



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 33-D876K18-sht-pmk01.dgn  
 #MODELNAME#

USER NAME = jd  
 PLOT SCALE = 100.0000' / 1" = 11.18  
 PLOT DATE = 3/18/2018

DESIGNED - JRD  
 DRAWN - LES  
 CHECKED - SLD  
 DATE - 3/9/2018

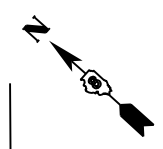
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**PAVEMENT MARKING PLAN**  
**FAP 103**

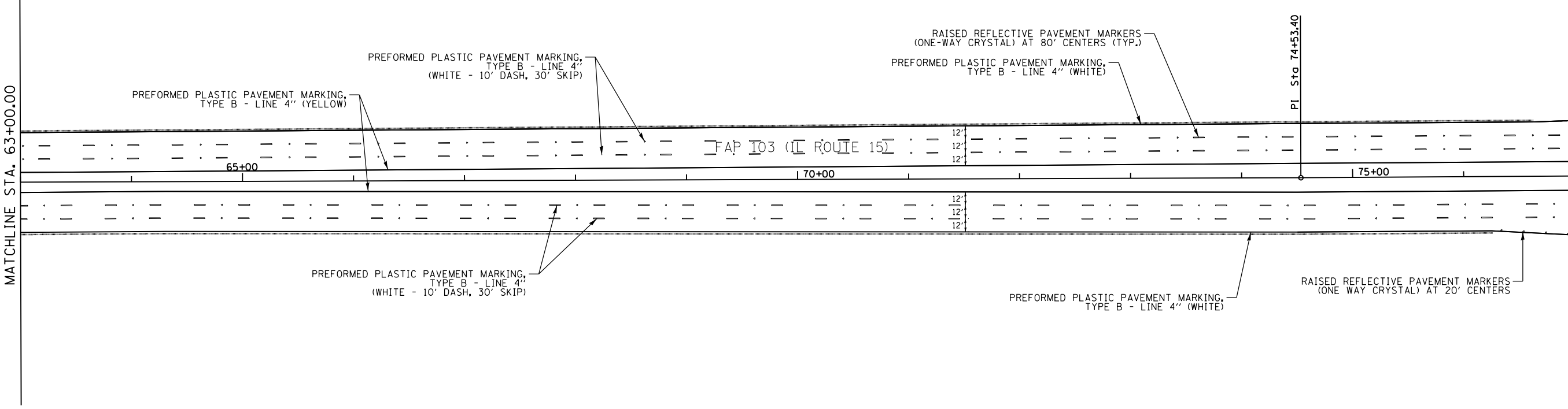
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 35+00.00 TO STA. 63+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	33
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				



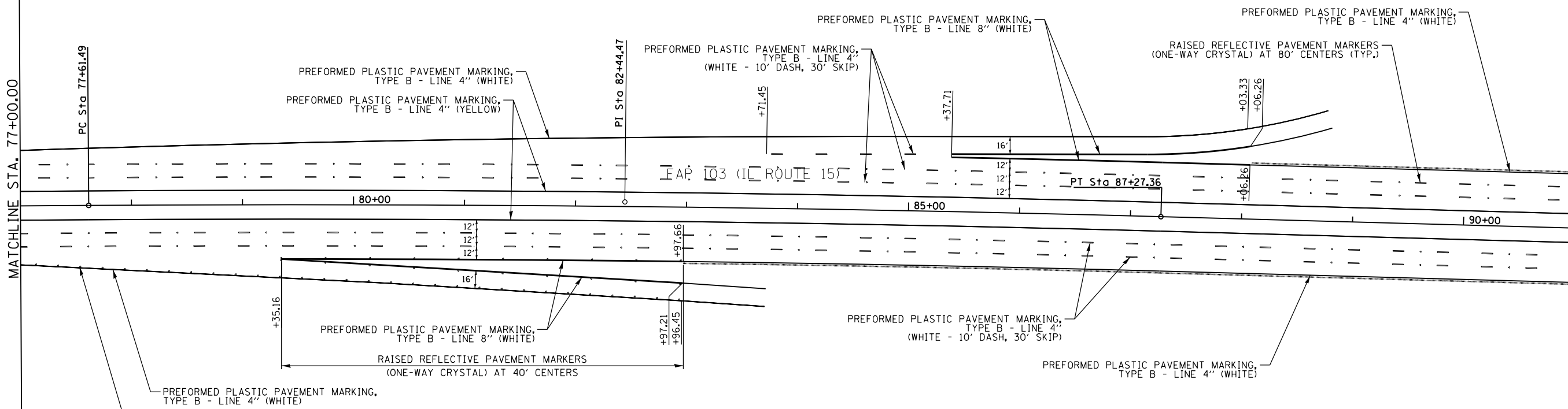
MATCHLINE STA. 63+00.00

MATCHLINE STA. 77+00.00



MATCHLINE STA. 77+00.00

MATCHLINE STA. 91+00.00



NOTE:  
1. AN APPROVED LIQUID ADHESIVE SHALL BE PLACED IN THE GROOVE PRIOR TO TAPE APPLICATION PER ARTICLE 780.07.



**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 34-D876K18-sht-pmk02.dgn  
#MODELNAME#

USER NAME = jd  
PLOT SCALE = 100.0000' / 1in.  
PLOT DATE = 3/18/2018

DESIGNED - JRD  
DRAWN - LES  
CHECKED - SLD  
DATE - 3/9/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

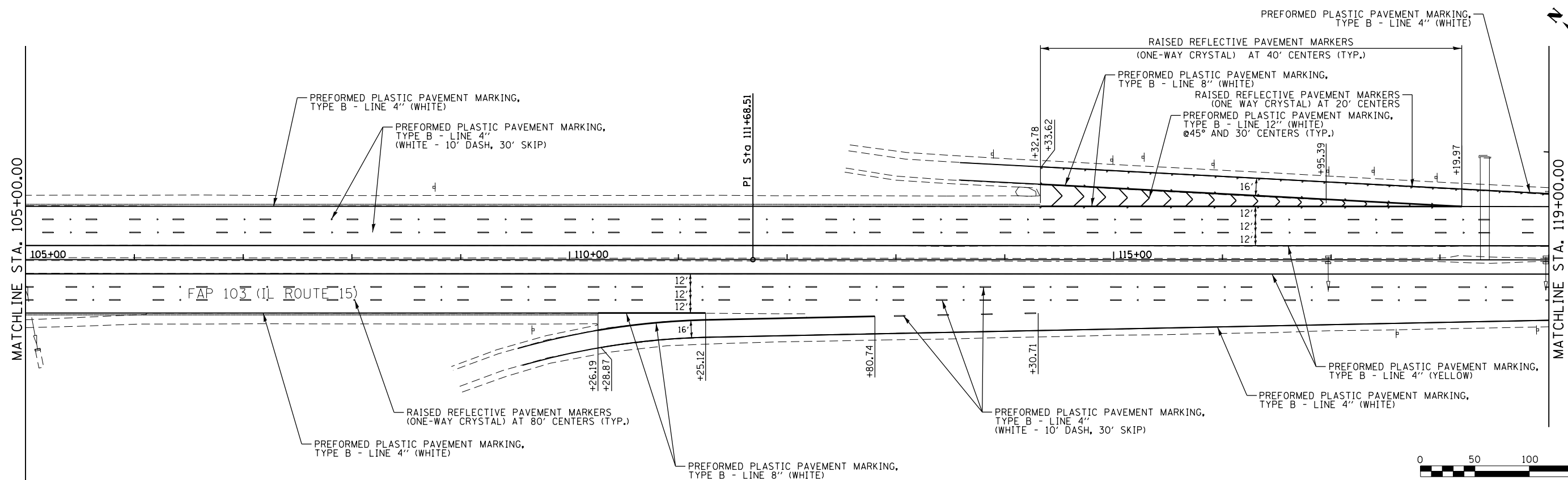
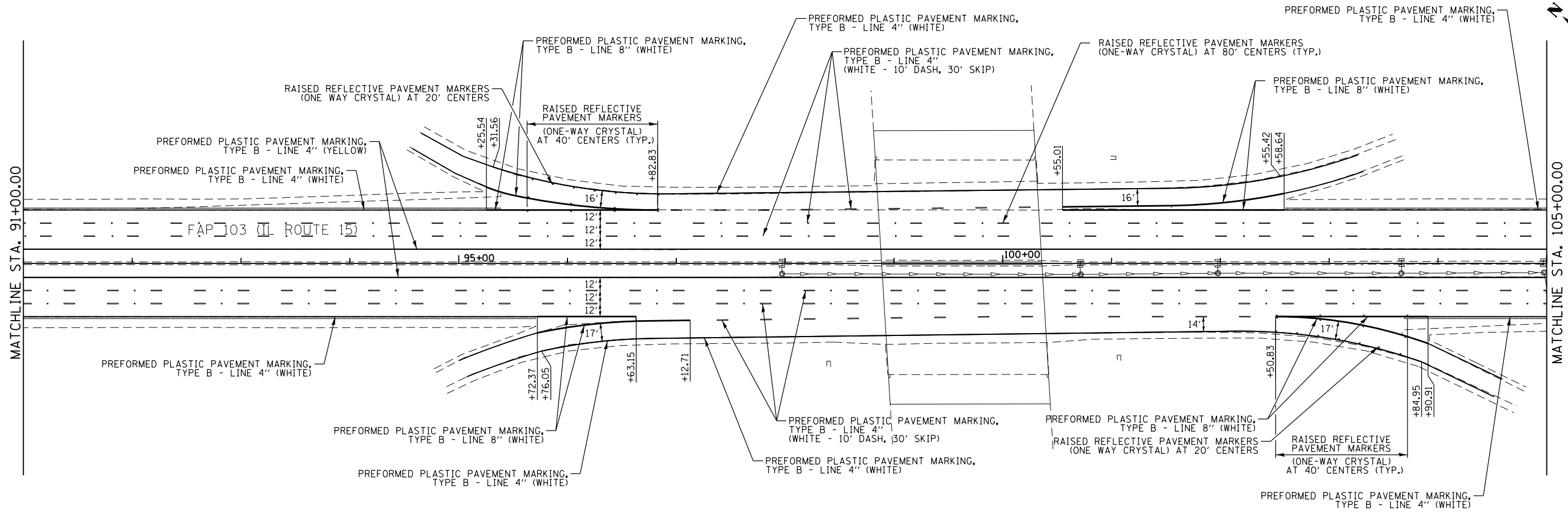
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
FAP 103

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 63+00.00 TO STA. 91+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	34
CONTRACT NO. 76K18				

ILLINOIS FED. AID PROJECT



NOTE:  
 1. AN APPROVED LIQUID ADHESIVE SHALL BE PLACED IN THE GROOVE PRIOR TO TAPE APPLICATION PER ARTICLE 780.07.



FILE NAME = 35-D876K18-sht-pmk03.dgn  
 #MODELNAME#

USER NAME = jd  
 PLOT SCALE = 100.0000' / 1" =  
 PLOT DATE = 3/18/2018

DESIGNED - JRD  
 DRAWN - LES  
 CHECKED - SLD  
 DATE - 3/9/2018

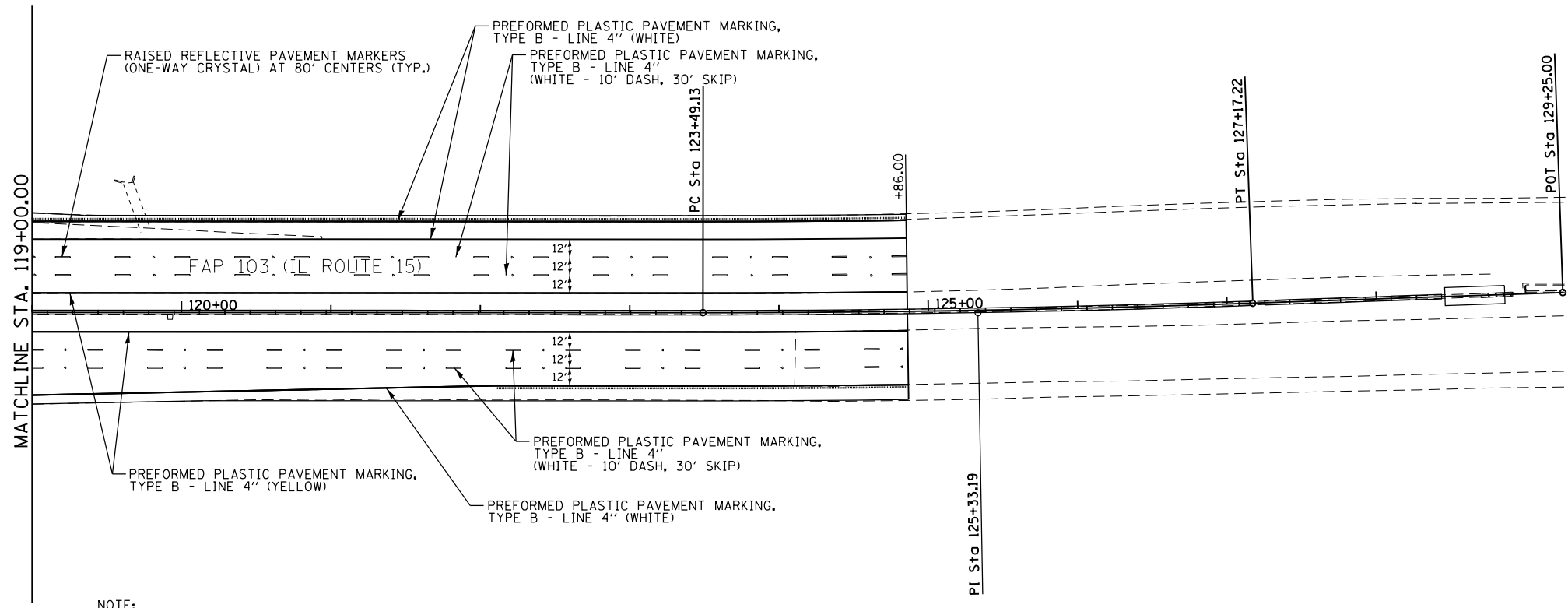
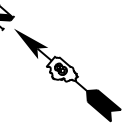
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
 FAP 103  
 SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 91+00.00 TO STA. 119+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	35
				CONTRACT NO. 76K18
ILLINOIS FED. AID PROJECT				

EFK Moen, LLC  
 Civil Engineering Design



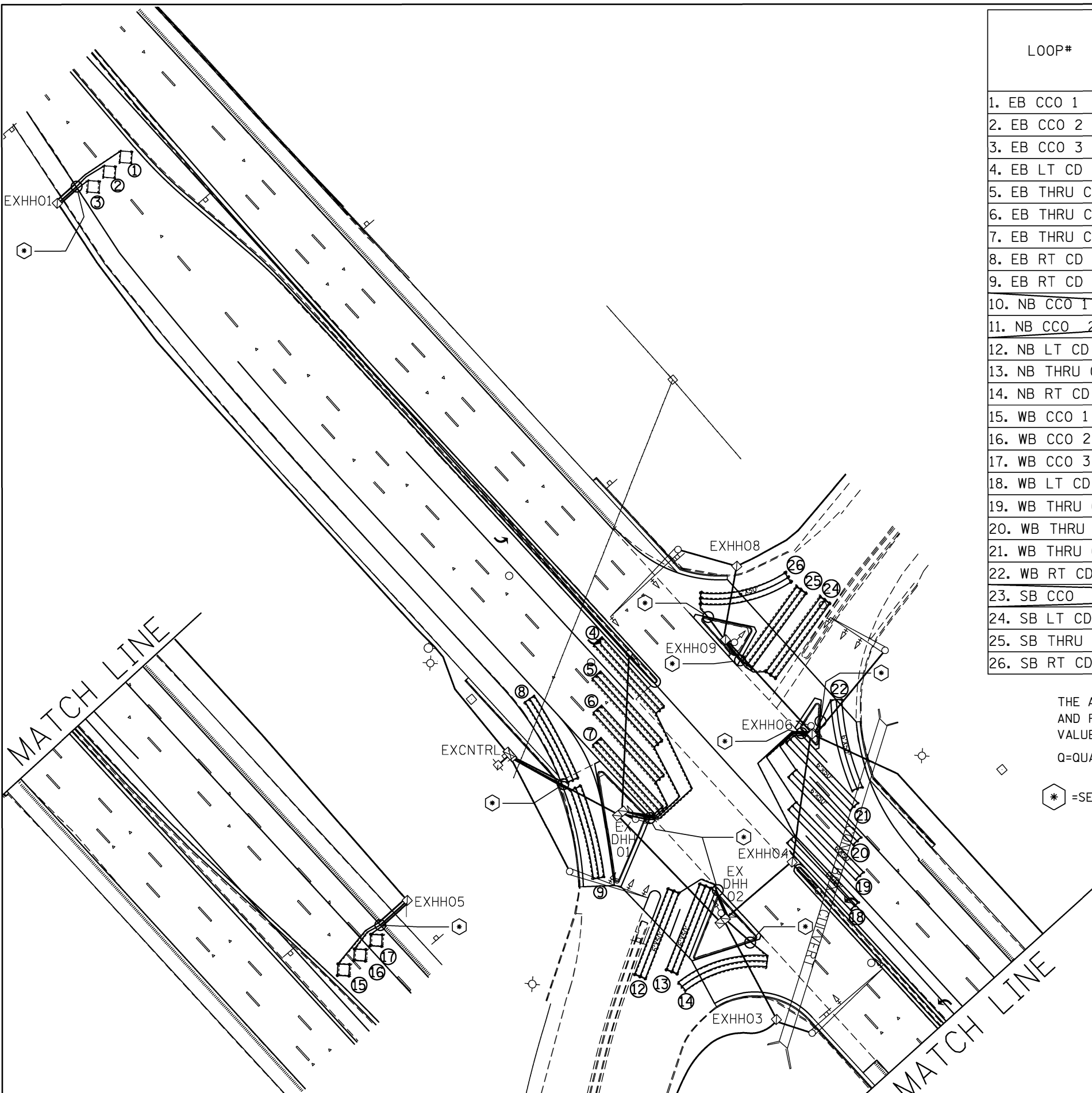
NOTE:  
 1. AN APPROVED LIQUID ADHESIVE SHALL BE PLACED IN THE GROOVE PRIOR TO TAPE APPLICATION PER ARTICLE 780.07.



**EFK Moen, LLC**  
 Civil Engineering Design

FILE NAME = 36-D876K18-sht-pmk04.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN FAP 103</b>		F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 36
	PLOT SCALE = 100.0000' / in.	CHECKED - SLD	REVISED -		SCALE: 1"=50'	SHEET 4 OF 4 SHEETS	STA. 91+00.00 TO STA. 119+00.00	CONTRACT NO. 76K18		ILLINOIS FED. AID PROJECT	
*MODELNAME*	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -								



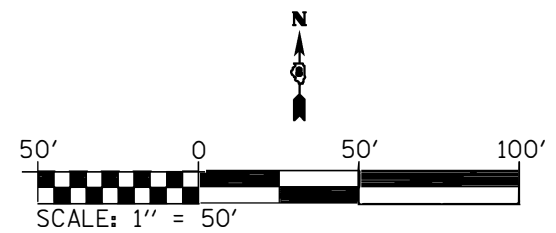


LOOP#	PHASE # (Φ)	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCO 1	6	6' x 6'	6	350.58	2.54
2. EB CCO 2	6	6' x 6'	6	347.94	2.35
3. EB CCO 3	6	6' x 6'	6	345.30	2.42
4. EB LT CD	1	6' x 50'(Q)	3-6-3	822.52	2.42
5. EB THRU CD1	6	6' x 50'(Q)	3-6-3	817.02	2.30
6. EB THRU CD2	6	6' x 50'(Q)	3-6-3	811.52	2.17
7. EB THRU CD3	6	6' x 50'(Q)	3-6-3	806.46	2.06
8. EB RT CD 1	6	6' x 50'(Q)	3-6-3	809.98	2.14
9. EB RT CD 2	6	6' x 50'(Q)	3-6-3	810.64	2.15
10. NB CCO 1	3	6' x 6'	6	358.94	2.73
11. NB CCO 2	3	6' x 6'	6	355.86	2.66
12. NB LT CD	3	6' x 50'(Q)	3-6-3	829.34	2.58
13. NB THRU CD	3	6' x 50'(Q)	3-6-3	826.48	2.51
14. NB RT CD	3	6' x 50'(Q)	3-6-3	829	2.57
15. WB CCO 1	2	6' x 6'	7	521	3.95
16. WB CCO 2	2	6' x 6'	7	518	3.89
17. WB CCO 3	2	6' x 6'	7	516	3.83
18. WB LT CD	5	6' x 50'(Q)	3-6-3	869	3.47
19. WB THRU CD	2	6' x 50'(Q)	3-6-3	864	3.36
20. WB THRU CD	2	6' x 50'(Q)	3-6-3	858	3.24
21. WB THRU CD	2	6' x 50'(Q)	3-6-3	853	3.11
22. WB RT CD	4	6' x 50'(Q)	3-6-3	855	3.17
23. SB CCO	4	6' x 6'	7	504	3.56
24. SB LT CD	4	6' x 50'(Q)	3-6-3	823	3.79
25. SB THRU CD	4	6' x 50'(Q)	3-6-3	879	3.71
26. SB RT CD	4	6' x 50'(Q)	3-6-3	881	3.76

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

\*=SEE DETAIL "A"



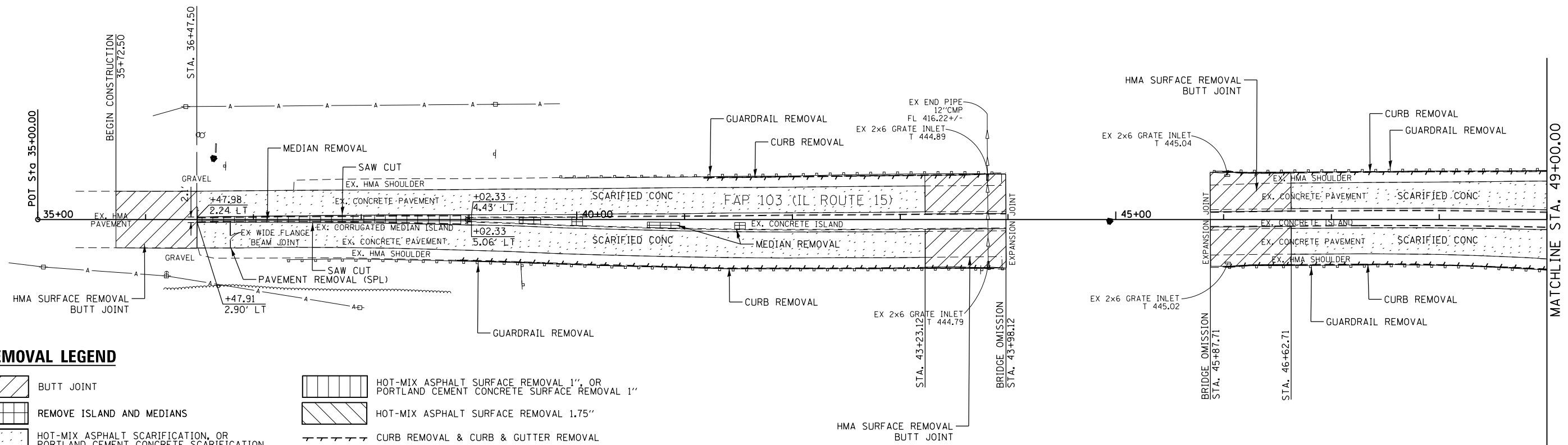
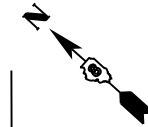
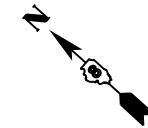
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
pw\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0876\Drawings\CADsheets\0876K18-sh1-ta.dgn		REVISOR -	REVISOR -
	PLOT SCALE = 59.0038' / in.	CHECKED -	REVISOR -
	PLOT DATE = 1/2/2018	DATE -	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT  
IL 15 (MO. AVE.) & IL 163 /POCKET RD.**

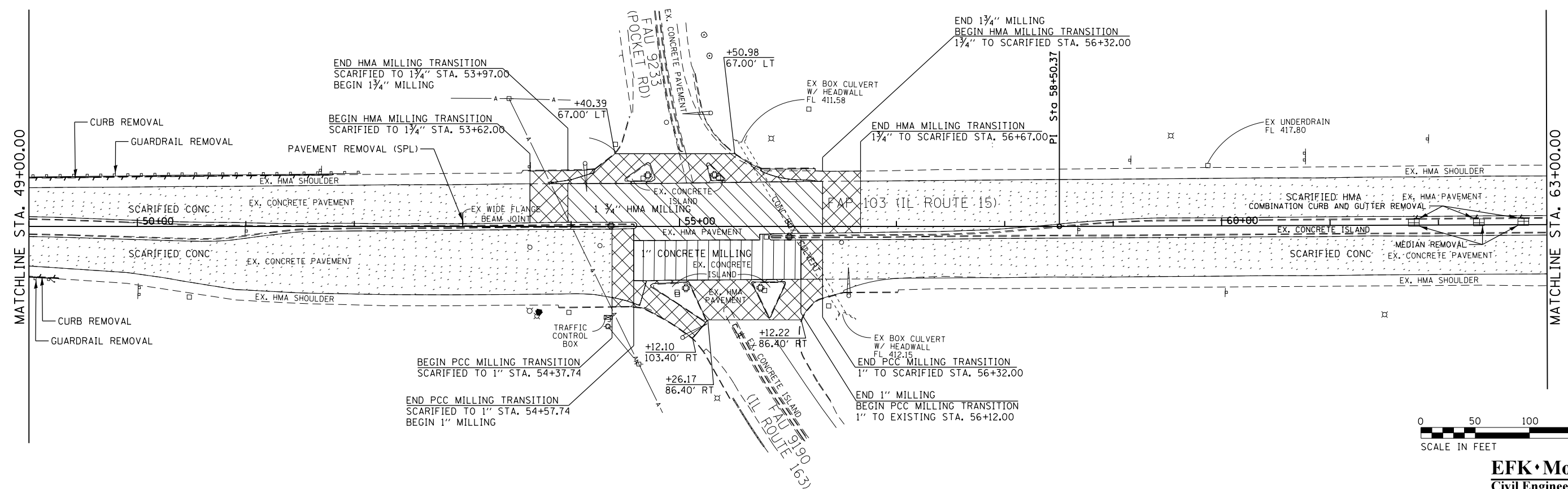
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15	(29-1,28-1)RS-5	ST. CLAIR	38	45
CONTRACT NO. 76K18				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



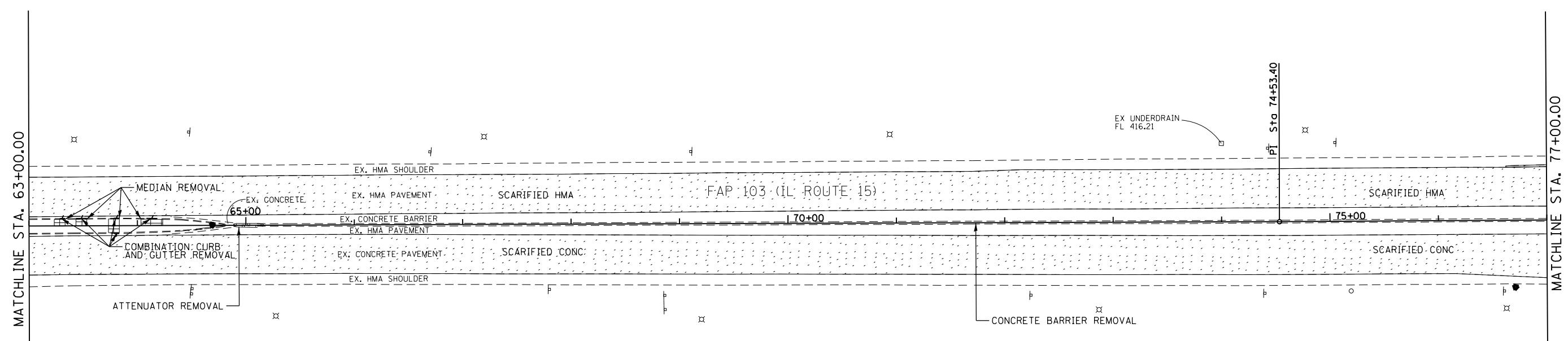
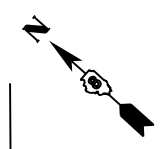
**REMOVAL LEGEND**

- BUTT JOINT
- REMOVE ISLAND AND MEDIANS
- HOT-MIX ASPHALT SCARIFICATION, OR PORTLAND CEMENT CONCRETE SCARIFICATION
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL 1" OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1"
- HOT-MIX ASPHALT SURFACE REMOVAL 1.75"
- CURB REMOVAL & CURB & GUTTER REMOVAL



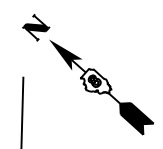
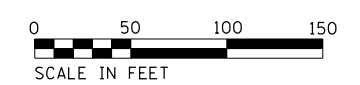
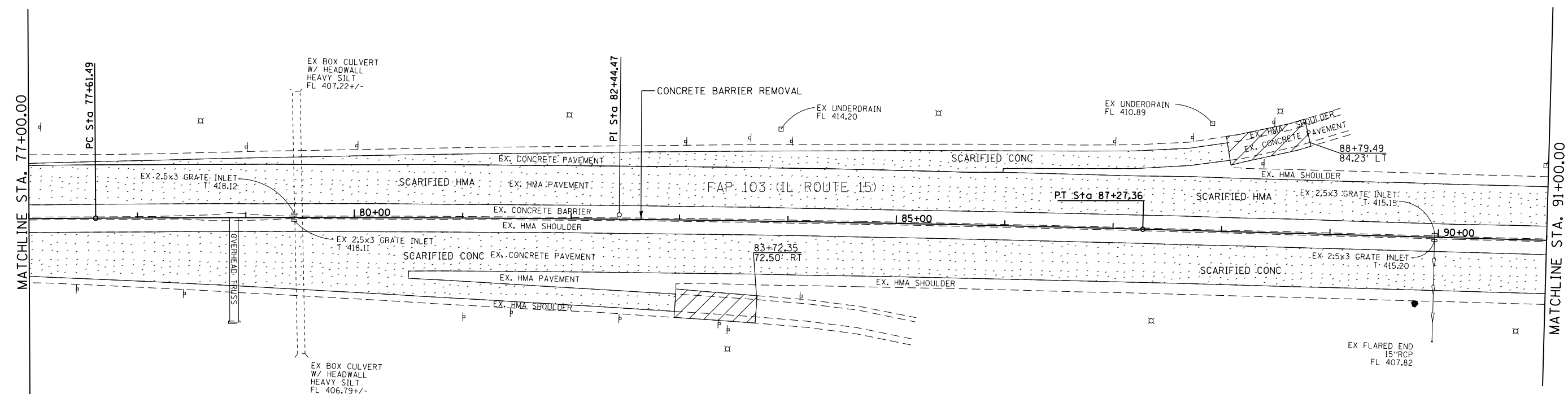
**EFK Moen, LLC**  
Civil Engineering Design

FILE NAME = 39-D876K18-sht-rem01.dgn	USER NAME = jd	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVALS FAP 103</b>	SCALE: 1"=50'	SHEET 1 OF 4 SHEETS	STA. 35+00.00 TO STA. 63+00.00	ILLINOIS FED. AID PROJECT	
PLOT SCALE = 100.0000' / in.	CHECKED - JRD	DATE - 3/9/2018	REVISOR -			F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 39
PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISOR -	CONTRACT NO. 76K18							



**REMOVAL LEGEND**

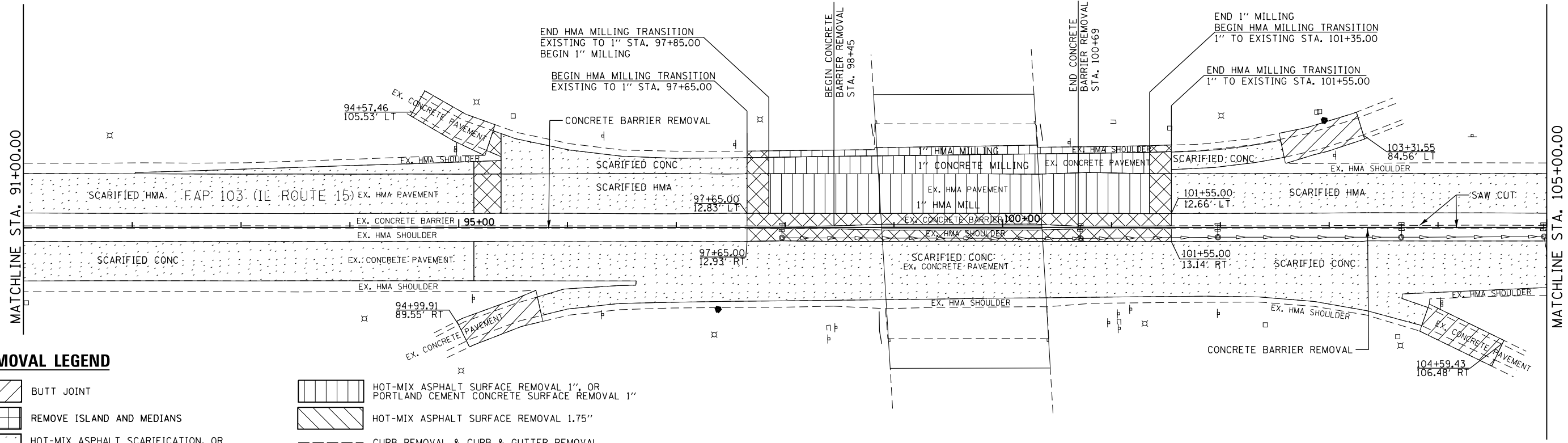
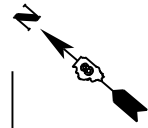
- BUTT JOINT
- REMOVE ISLAND AND MEDIANS
- HOT-MIX ASPHALT SCARIFICATION, OR PORTLAND CEMENT CONCRETE SCARIFICATION
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL 1" OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1"
- HOT-MIX ASPHALT SURFACE REMOVAL 1.75"
- CURB REMOVAL & CURB & GUTTER REMOVAL



FILE NAME = 40-DB76K18-sht-rem02.dgn	USER NAME = j_d	DESIGNED - JRD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVALS FAP 103</b>	F.A.P. RTE. 103	SECTION (29-1, 28-1) RS-5	COUNTY ST. CLAIR	TOTAL SHEETS 45	SHEET NO. 40		
*MODELNAME*						SCALE: 1"=50'		SHEET 2 OF 4 SHEETS		STA. 63+00.00 TO STA. 91+00.00		CONTRACT NO. 76K18
PLOT SCALE = 100.0000' / in.						DATE = 3/9/2018		ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/18/2018						CHECKED - SLD						

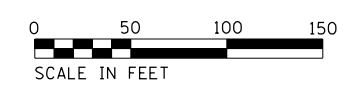
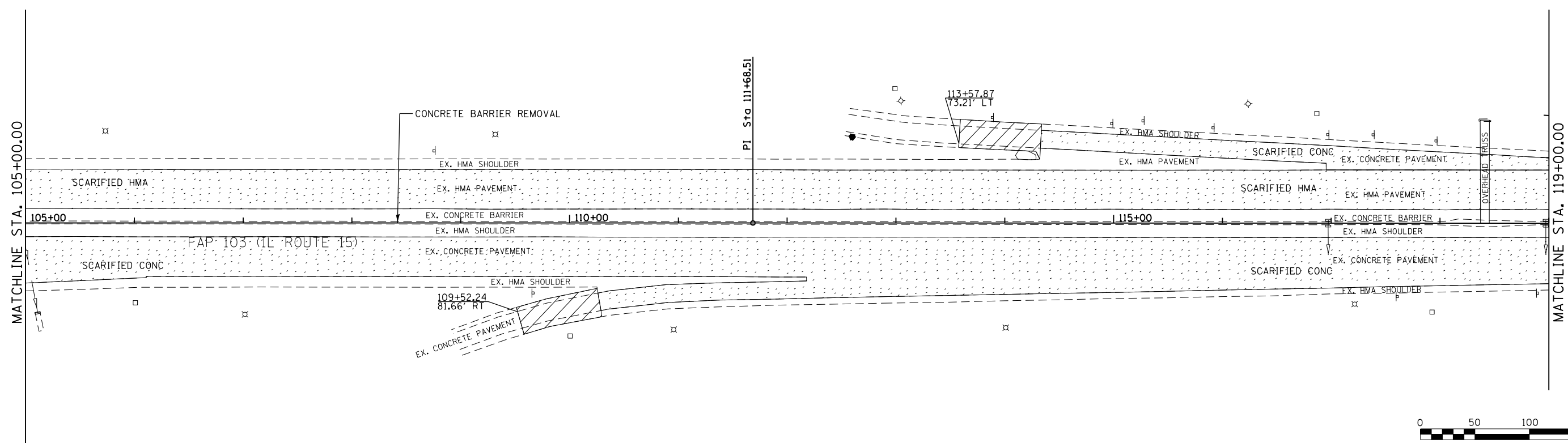
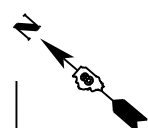
**EFK Moen, LLC**  
Civil Engineering Design





**REMOVAL LEGEND**

- BUTT JOINT
- REMOVE ISLAND AND MEDIANS
- HOT-MIX ASPHALT SCARIFICATION, OR PORTLAND CEMENT CONCRETE SCARIFICATION
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
- HOT-MIX ASPHALT SURFACE REMOVAL 1", OR PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1"
- HOT-MIX ASPHALT SURFACE REMOVAL 1.75"
- CURB REMOVAL & CURB & GUTTER REMOVAL



FILE NAME = 41-D876K18-sht-rem03.dgn	USER NAME = jrd	DESIGNED - JRD	REVISED -
		DRAWN - SJF	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/18/2018	DATE - 3/9/2018	REVISED -

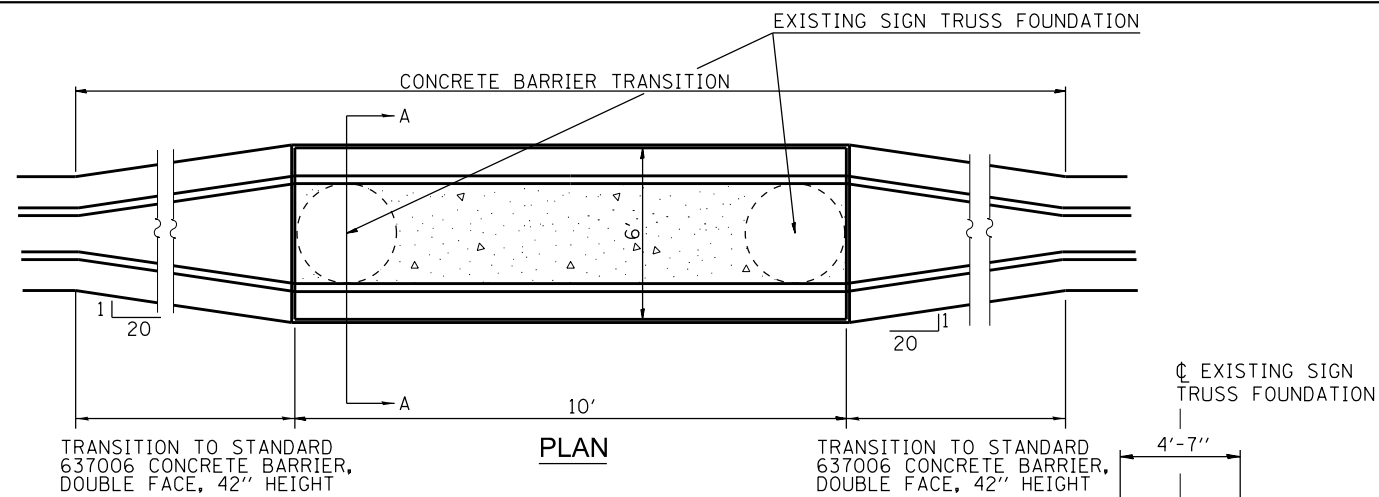
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVALS FAP 103</b>			
SCALE: 1"=50'	SHEET 3	OF 4 SHEETS	STA. 91+00.00 TO STA. 119+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	41
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				

**EFK Moen, LLC**  
Civil Engineering Design

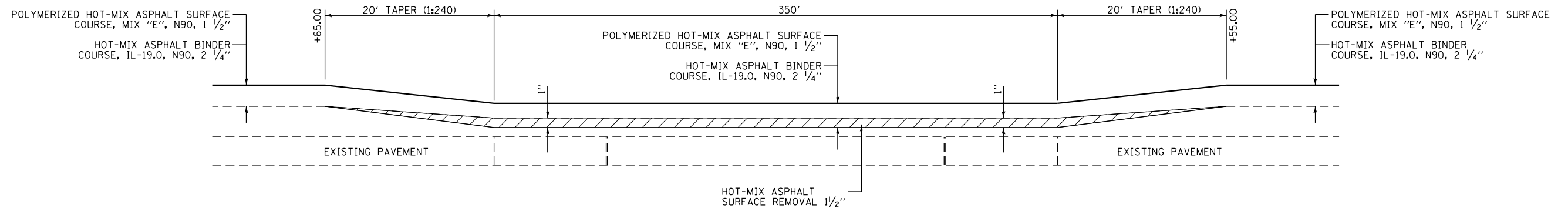
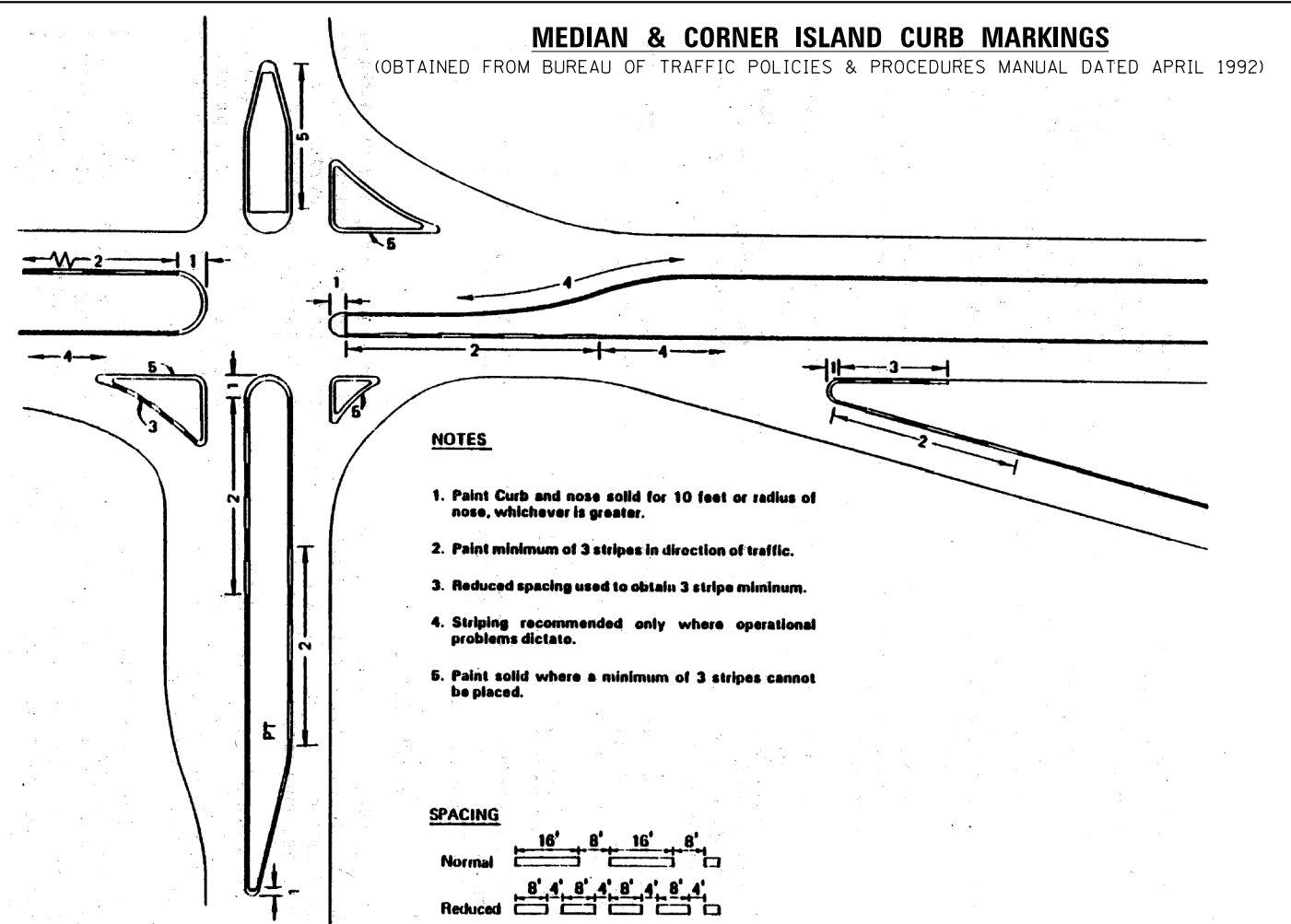
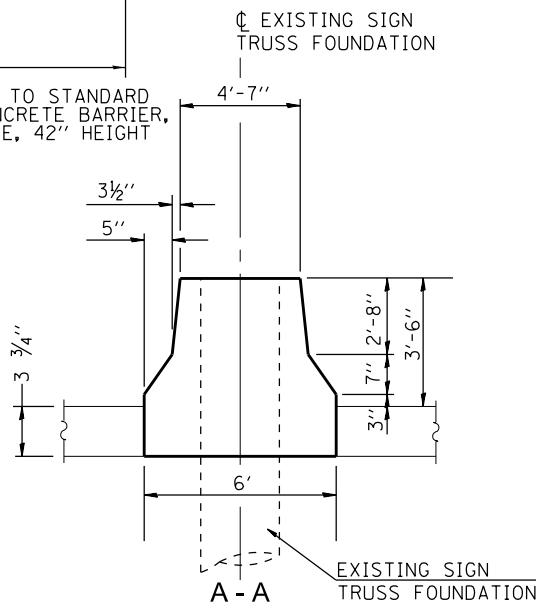




**CONCRETE BARRIER TRANSITIONS AT EXISTING OVERHEAD SIGN TRUSSES**

STA. 78+89  
STA. 118+41

NOTE:  
ALL DIMENSIONS TO BE FIELD VERIFIED WITH EXISTING SIGN TRUSSES.



**RESURFACING DETAIL ELEVATION VIEW**  
UNDER SN 082-0231 WESTBOUND

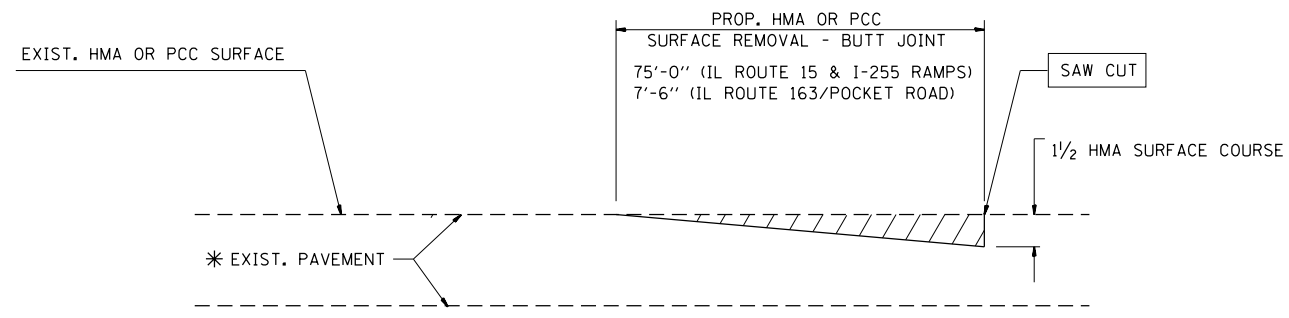
FILE NAME = 43-D876K18-sht-detail01.dgn	USER NAME = mys	DESIGNED - JRD	REVISED -
		DRAWN - MSK	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - SLD	REVISED -
#MODELNAME#	PLOT DATE = 3/27/2018	DATE - 3/9/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

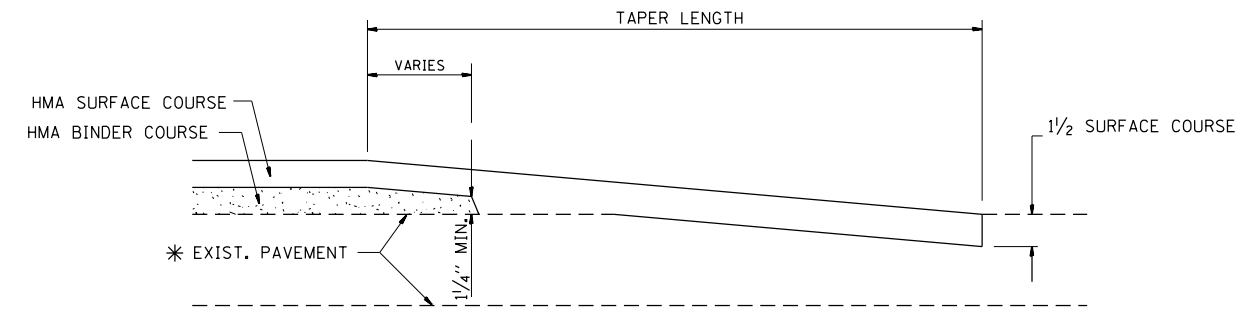
**MISCELLANEOUS DETAILS**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	43
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				



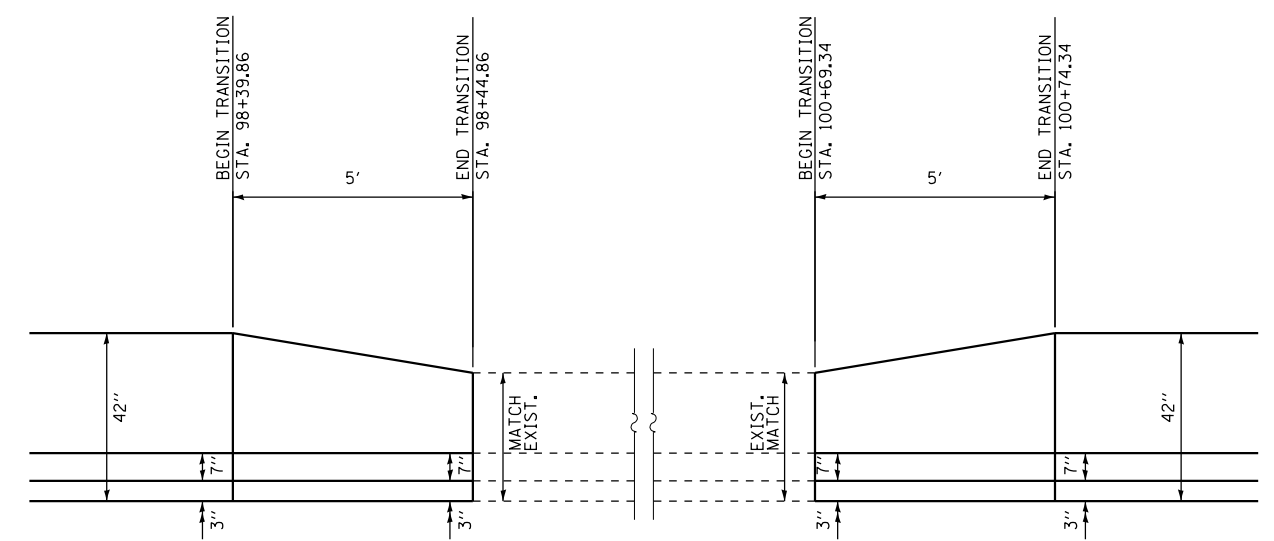
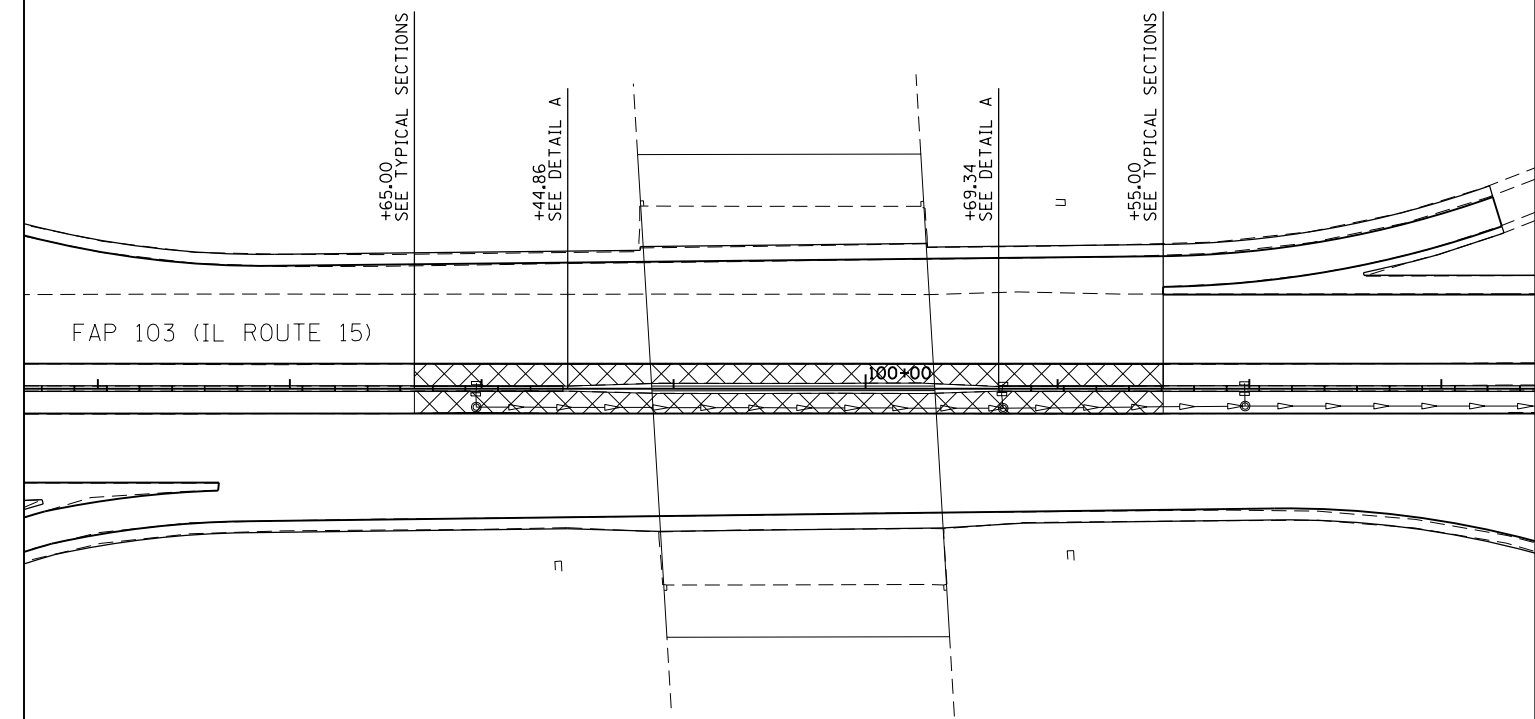
BUTT JOINT DETAIL



HMA TAPER DETAIL

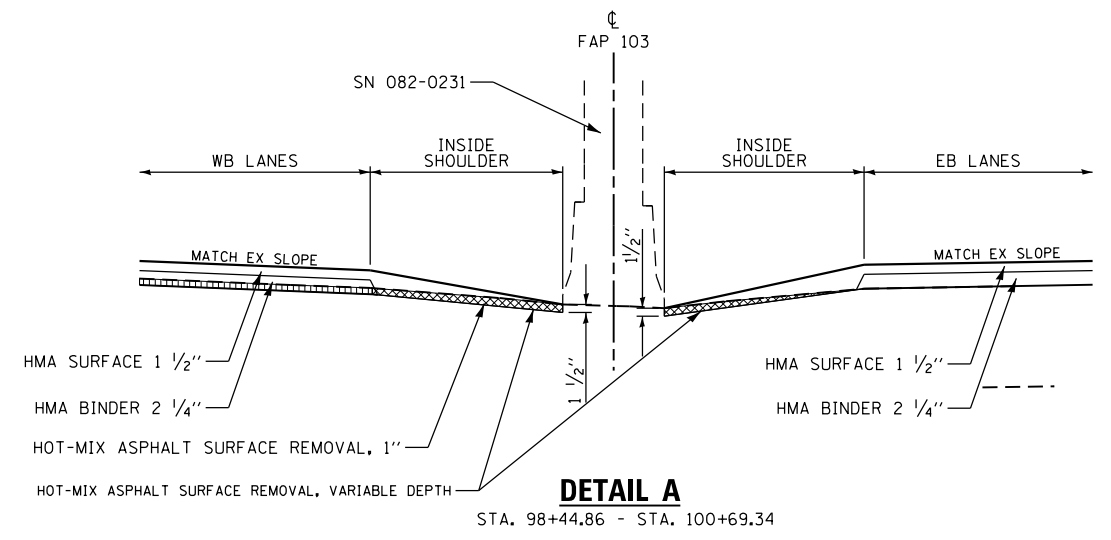
**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING**

\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



**BARRIER TRANSITION DETAIL TO EXISTING CONCRETE BARRIER**

AT STRUCTURE (SN 082-0231)



**DETAIL A**

STA. 98+44.86 - STA. 100+69.34

FILE NAME = 44-DB76K18-sht-detail102.dgn	USER NAME = mys	DESIGNED - JRD	REVISED -
		DRAWN - JRD	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED - SLD	REVISED -
	PLOT DATE = 3/27/2018	DATE - 3/9/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>DETAIL</b>	
<b>BUTT JOINTS, HMA SURFACE REMOVAL, CONCRETE BARRIER TRANSITION</b>	
SCALE: N.T.S.	SHEET 2 OF 3 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	(29-1, 28-1) RS-5	ST. CLAIR	45	44
CONTRACT NO. 76K18				
ILLINOIS FED. AID PROJECT				

