

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAP 690 /FAS 819 /FAP 322 (IL 177)
 SECTION (109,110)RS-1, 31-2RS
 PROJECT ACF-ACRS-000S (984)
**3P RESURFACING & SHOULDER ADDITION
 WASHINGTON COUNTY**

C-98-062-13

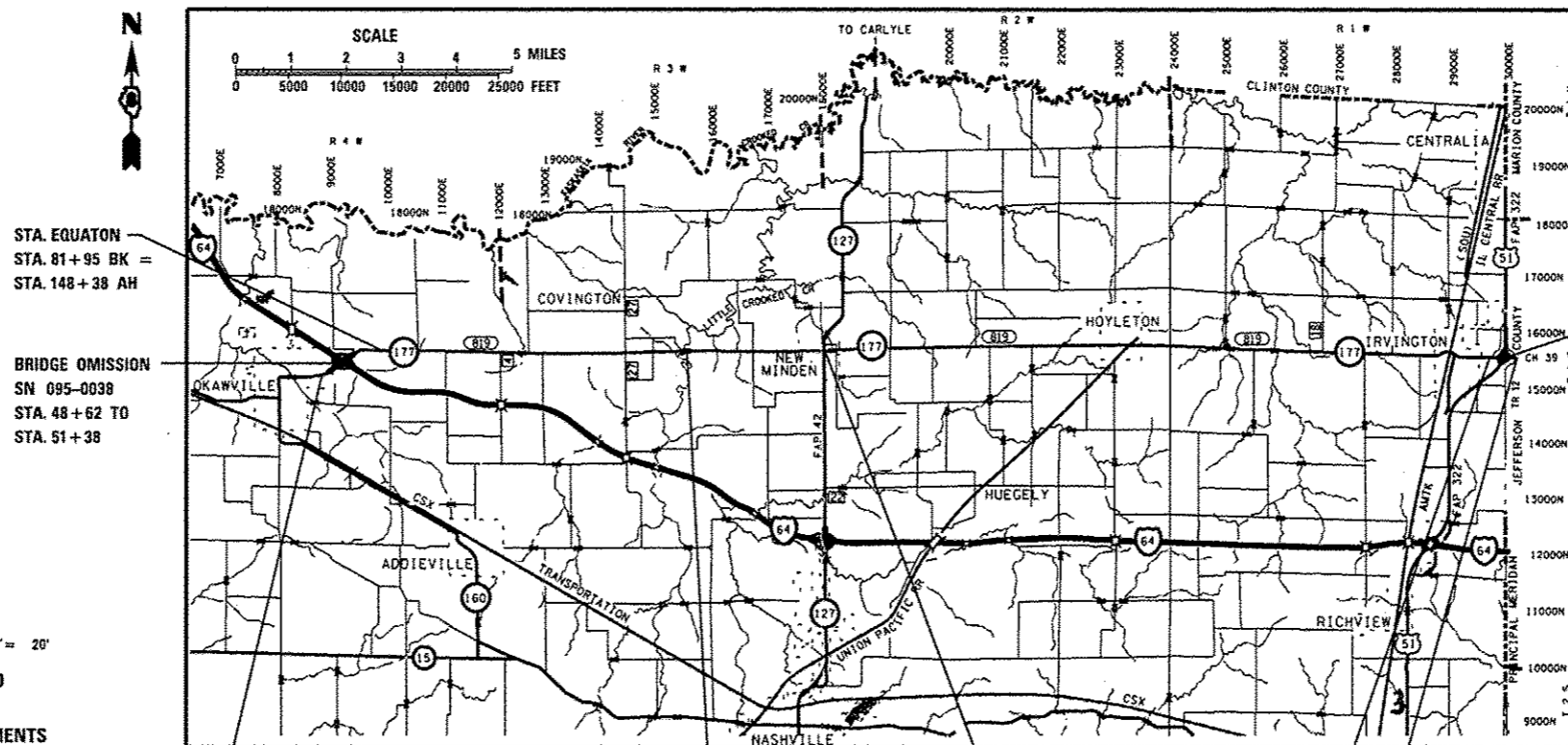
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	1
ILLINOIS			CONTRACT NO. 76G61	

*FAP 690/FAS 819/FAP 322



ADT'S

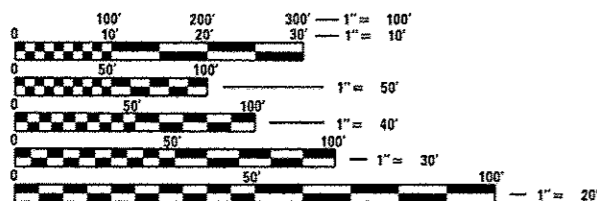
LOCATION	NO. 1		NO. 2	
	W. OF	E. OF	W. OF	E. OF
I-64	I-64	I-64	I-64	I-64
2011	3,250	1,450	2,050	
2034	4,100	1,700	2,500	
SU%	6.2	3.1	4.4	
MU%	4.0	6.2	2.4	



STA. EQUATON
 STA. 81+95 BK =
 STA. 148+38 AH

BRIDGE OMISSION
 SN 095-0038
 STA. 48+62 TO
 STA. 51+38

BRIDGE OMISSION
 SN 095-0068
 STA. 98+12.00 TO
 STA. 102+61.41



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

BEGIN LOCATION NO. 1 STA. 12+50 LAT.: 38.43595 LONG.: -89.54207	BRIDGE OMISSION SN 095-0066 STA. 440+87.40 TO STA. 443+52.00	END LOCATION NO. 1 STA. 578+59 LAT.: 38.44171 LONG.: -89.36966	BEGIN LOCATION NO. 2 STA. 85+00 LAT.: 38.43793 LONG.: -89.15057	END LOCATION NO. 2 STA. 106+06.36 LAT.: 38.43779 LONG.: -89.14388
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TOTAL GROSS LENGTH = 52,072.36 FT. = 9.862 MILE
 TOTAL NET LENGTH = 51,082.35 FT. = 9.675 MILE

DESIGN DESIGNATION
 N/A

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
 PROJECT MANAGER: REBECCA THARP (618) 346-3323
 CONTRACT NO. 76G61

LOCATION NO. 1
 GROSS LENGTH = 49,966.00 FT. = 9.463 MILE
 NET LENGTH = 49,425.40 FT. = 9.361 MILE

LOCATION NO. 2
 GROSS LENGTH = 2,106.36 FT. = 0.399 MILE
 NET LENGTH = 1,656.95 FT. = 0.314 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *Jan 29 20 14*
Jeffrey L. K...
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 21 20 14
John D. Baranzelli P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 14
Omer Osman P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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- 780001-04 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN ILLINOIS (GAS & ELECTRIC)
 - CHARTER COMMUNICATIONS, INC. (CTV)
 - CLEARWAVE COMMUNICATIONS (COMMUNICATIONS)
 - FRONTIER NORTH, INC. (COMMUNICATIONS)
 - HOYLETON RURAL WATER COMPANY (WATER)
 - VILLAGE OF IRVINGTON (WATER & SANITARY SEWER)
 - CITY OF NASHVILLE (GAS)
 - CITY OF NASHVILLE (WATER & SANITARY SEWER)
 - VILLAGE OF NEW MINDEN (WATER & SANITARY SEWER)
 - VILLAGE OF OKAWVILLE (WATER & SANITARY SEWER)
 - TRI-COUNTY ELECTRIC COOPERATIVE, INC. (ELECTRIC)
 - WASHINGTON COUNTY (WATER)

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

3. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

5. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	LEVEL BINDER	WIDENING	F. D. PATCHING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 9.5	IL 9.5 FG	IL 19.0 FG	IL 19.0 FG
FRICTION AGG	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"

I-64 INTERCHANGE				
MIXTURE USE	POLY SURFACE	INCIDENTAL SURF	SHOULDERS > 2.25'	SHOULDERS < 2.25'
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=70	**2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSITION			NMAS 3/4"	NMAS 1/2"
(GRADATION MIXTURE)	IL 9.5	IL 9.5		
FRICTION AGG	MIXTURE "D"	MIXTURE "C"		

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

6. THE THICKNESS OF THE HOT-MIX ASPHALT 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 IS PLACED.

7. AT LOCATION NO. 1, THE MILLING DEPTH WILL BE 2 1/2" FROM STA. 12+50 TO STA. 81+95; THEN 1 1/2" TO THE INTERSECTION OF IL 177 AND IL 127. THE MILLING DEPTH AT LOCATION NO. 2 WILL BE 2 1/4" FROM STA. 85+50 TO STA. 92+85; THE REMAINING PAVEMENT AT THIS LOCATION SHALL BE MILLED 1 1/2". ACTUAL MILLING DEPTHS MAY VARY DEPENDING ON THE EXTENT OF THE CHANNELIZATION. IT IS ESTIMATED THAT 158,464 SQ. YDS. (14,660 TONS) OF HOT-MIX ASPHALT SURFACE WILL BE REMOVED. THE COST OF ALL SAWCUTS AND MILLING TRANSITIONS/VARIATIONS SHALL BE INCLUDED IN THE CONTRACT HOT-MIX ASPHALT SURFACE REMOVAL PAY ITEMS.

8. FLAGGERS WILL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.

9. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

10. SIDEROADS AND ENTRANCES SHALL BE OPEN TO TRAFFIC AT ALL TIMES. AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS.

11. ANY EXCAVATION OR DROP-OFF MORE THAN 3" AT EDGE OF PAVEMENT SHALL BE PROTECTED WITH BARRICADES AND APPROPRIATE LIGHTING.

12. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.

13. THE CONTRACTOR SHALL POST AND MAINTAIN THE ROADWAY WITH "NO PASSING ZONES NOT STRIPED NEXT MILES" SIGNS UNTIL MARKINGS HAVE BEEN RESTORED IN ACCORDANCE WITH ARTICLE 701.17(C).

14. ALL TRAFFIC CONTROL DEVICES AS HEREIN SPECIFIED AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS DEEMED NECESSARY BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE CONTRACT TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

15. ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2A SEED, FERTILIZED AND MULCHED AS PER SECTION 250 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK INITIATING THE DISTURBANCE.

16. PRIOR TO THE MILLING OPERATIONS, THE RE/RT SHALL RECORD AND DOCUMENT ALL EXISTING PAVEMENT MARKINGS AND LOCATIONS INCLUDING ALL LANE MARKINGS, STOP-BARS AND SYMBOLS. AFTER COMPLETION OF HMA OVERLAY OPERATIONS THE PROPOSED THERMOPLASTIC PAVEMENT MARKING SHALL BE PLACED AT THE EXISTING DOCUMENTED LOCATIONS OR AS DIRECTED IN THE PLANS.

17. A NOTCHED WEDGE LONGITUDINAL JOINT WILL BE REQUIRED AT LOCATION NO. 1 WHERE THE SURFACE COURSE IS BEING PLACED IN A SINGLE 2 1/2" LIFT (STATION 12+50 TO STATION 81+95). THIS WORK SHALL BE PERFORMED ACCORDING TO ARTICLE 406.06 (g) (2) OF THE STANDARD SPECIFICATIONS WITH THE EXCEPTION THAT THE WORD "BINDER" SHALL BE REPLACED WITH "SURFACE".

18. A QUANTITY FOR FURNISHED EXCAVATION HAS BEEN PROVIDED FOR USE AT THE PROPOSED BOX CULVERT END SECTIONS AND GUARDRAIL END TERMINALS AS NEEDED TO MEET PLAN SPECIFICATIONS.

19. TRENCHES DUG FOR THE PROPOSED HMA SHOULDERS 8" SHALL BE FILLED THE SAME DAY. NO OVERNIGHT TRENCHES WILL BE ALLOWED.

20. AGGREGATE FILL REQUIRED FOR THE PROPOSED CONCRETE MEDIAN REPAIR AT LOCATION NO. 2 SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE, 4 INCH.

COMMITMENTS

NONE

FILE NAME *	USER NAME = mlisomr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, COMMITMENTS & STANDARDS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\pv_wark\pvd\mlisomr\d0345201\1d876	61-shs-plan.dgn	DRAWN -	REVISED -			*	109.110RS-1, 31-2RS	WASHINGTON	40	2
	PLOT SCALE = 100.0000 "/ in.	CHECKED -	REVISED -			*FAP 690/FAS 819/FAP 322				
	PLOT DATE = 2/6/2014	DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOC. 1 FAP 690	LOC. 1 FAS 819	LOC. 2 FAS 819	LOC. 2 FAP 322
				WEST OF I-64	EAST OF I-64	IL 177 R1&2	RAMPS 3&4
				ROADWAY	ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005	0005
				RURAL	RURAL	RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	6314		6314		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	38.1	16.8	21.3		
20400800	FURNISHED EXCAVATION	CU YD	40		20	20	
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	405		405		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	70		70		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	42.3		36.3	4.8	1.2
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	6.6	6.6			
40600300	AGGREGATE (PRIME COAT)	TON	234.2	31.5	173.9	23.1	5.7
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	5463		4901	401	161
40600990	TEMPORARY RAMP	SQ YD	442.5	246.9	80	97.8	17.8
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	10870		9745.9	802.1	322
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	2943.5	2943.5			
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3.8		3.8		
40800030	AGGREGATE (PRIME COAT)	TON	0.08		0.08		

				80% FED 20% STATE			
				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOC. 1 FAP 690	LOC. 1 FAS 819	LOC. 2 FAS 819	LOC. 2 FAP 322
				WEST OF I-64	EAST OF I-64	IL 177 R1&2	RAMPS 3&4
				ROADWAY	ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005	0005
				RURAL	RURAL	RURAL	RURAL
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5.3		5.3		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	133350		115829	11293	6228
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	4089			4089	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	21025	21025			
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	10	6.7	3.3		
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	239.2	60	179.2		
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	164.2	76.7	87.5		
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	397.5	60	337.5		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	87854		87854		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1167.8		1044.4	69.8	53.6
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	27814		27814		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1075.4		38.6	735	301.8
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2		
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2			2	

FILE NAME =	USER NAME = mslcomr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.*	SECTION	COUNTY	TOTAL	SHEET
c:\pvc\work\pwsdot\mslcomr\48345281\d97661-ahp-plan.dgn		DRAWN -	REVISED -						RTE.	(109,110)RS-1, 31-2RS	WASHINGTON	40	4
PLOT SCALE = 1/8" = 100.0000' / in.		CHECKED -	REVISED -		*FAP 690/FAS 819/FAP 322	CONTRACT NO, 76G61							
PLOT DATE = 2/6/2014		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				80% FED		20% STATE	
				LOC. 1 FAP 690 WEST OF I-64 ROADWAY	LOC. 1 FAS 819 EAST OF I-64 ROADWAY	LOC. 2 FAS 819 IL 177 R1&2 ROADWAY	LOC. 2 FAP 322 RAMPS 3&4 ROADWAY
				0005 RURAL	0005 RURAL	0005 RURAL	0005 RURAL
542A0232	PIPE CULVERTS, CLASS A, TYPE 1 27"	FOOT	9		9		
54248510	CONCRETE COLLAR	CU YD	2.7		1.36	1.34	
60100080	FRENCH DRAINS	CU YD	38.1	16.8	21.3		
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	153	67.6	85.4		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2037			2037	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100			100	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2			2	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2			2	
63200310	GUARDRAIL REMOVAL	FOOT	790		300	490	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	1	4	1.5	0.5
67100100	MOBILIZATION	L SUM	1	0.1	0.7	0.1	0.1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.2	0.7	0.1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.2	0.7	0.1	

① * SPECIALTY ITEM

FILE NAME =	USER NAME = mlscmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pvc\work\pvidot\mlscmr\d0345201\d076	661-sht-plan.dgn	DRAWN -	REVISED -			* (109,110RS-1, 31-2RS	WASHINGTON	40	5			
PLOT SCALE = 100.0000 "/>		CHECKED -	REVISED -			*FAP 690/FAS 819/FAP 322						
PLOT DATE = 2/5/2014		DATE -	REVISED -			CONTRACT NO. 76G61						
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
						ILLINOIS FED. AID PROJECT						

				80% FED 20% STATE			
				CONSTRUCTION CODE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOC. 1 FAP 690	LOC. 1 FAS 819	LOC. 2 FAS 819	LOC. 2 FAP 322
				WEST OF I-64	EAST OF I-64	IL 177 R1&2	RAMPS 3&4
				ROADWAY	ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005	0005
				RURAL	RURAL	RURAL	RURAL
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.3	0.7		
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1			0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6		6		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17865	1098	15693	815	259
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	166.4	93.6		72.8	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	143673	19769	108987	10605	4312
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	200		200		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	60		60		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	214		124	45	45
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	50222.74	6805.27	38078	3783.47	1556
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	166.4	93.6		72.8	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	143673	19769	108987	10605	4312
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	200		200		

* SPECIALTY ITEM

FILE NAME =	USER NAME = ml1010mr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.*	SECTION	COUNTY	TOTAL	SHEET
oi\pvc_work\pvidat\ml1010mr\d8345281\d876	g61-shk-plenudgn	DRAWN -	REVISED -						* 009,110RS-1, 31-2RS	WASHINGTON	40	5	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			*FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61							
PLOT DATE = 2/6/2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

80% FED 20% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOC. 1 FAP 690	LOC. 1 FAS 819	LOC. 2 FAS 819	LOC. 2 FAP 322
				WEST OF I-64	EAST OF I-64	IL 177 R1&2	RAMPS 3&4
				ROADWAY	ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005	0005
				RURAL	RURAL	RURAL	RURAL
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	60		60		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	214		124	45	45
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	621	65	538	18	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	175	119		56	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	51	8	39	4	
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	16		8	8	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2			2	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	665	65	538	62	
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	2037			2037	
Z0036200	PAINT CURB	FOOT	506	252		211	43
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	10		10		

//

PAVEMENT PATCHING SCHEDULE							
LOCATION	SIDE	LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YDS)	TYPE II (SQ YDS)	TYPE III (SQ YDS)	TYPE IV (SQ YDS)
LOC. 1 - FAP 690							
STA. 35+30	LT	18	12			24.0	
*SHLD OF ABOVE		6	4	2.7			
STA. 36+20	LT	6	12		8.0		
*SHLD OF ABOVE		6	4	2.7			
STA. 38+20	RT	7	12		9.3		
STA. 39+40	RT	36	12				48.0
STA. 40+40	RT	16	12			21.3	
STA. 40+45	LT	6	12		8.0		
STA. 43+50	RT	7	12		9.3		
STA. 45+20	RT	10	12		13.3		
STA. 46+90	RT	12	12			16.0	
LOC. 1 - FAS 819							
STA. 63+30	RT	12	12			16.0	
*SHLD OF ABOVE		6	4	2.7			
STA. 63+90	RT	6	12		8.0		
STA. 232+33	LT	20	12				26.7
STA. 274+04	LT	7	12		9.3		
STA. 274+04	RT	7	12				
STA. 304+14	LT	7	12				
STA. 304+14	RT	7	12		9.3		
STA. 307+84	LT	10	12		13.3		
STA. 312+06	LT	12	12			16.0	
STA. 312+06	RT	12	12				
STA. 312+48	LT	7	12				
STA. 312+48	RT	7	12		9.3		
STA. 316+81	LT	12	12			16.0	
STA. 317+34	LT	6	12		8.0		
STA. 317+34	RT	6	12				
STA. 346+38	LT	10	12		13.3		
STA. 351+66	LT	7	12		9.3		
STA. 380+70	LT	6	12		8.0		
STA. 380+70	RT	6	12				
STA. 381+49	LT	6	12				
STA. 381+49	RT	6	12		8.0		
STA. 389+46	LT	6	12		8.0		
STA. 422+94	LT	6	12		8.0		
STA. 422+94	RT	6	12				
STA. 496+60	LT	6	12				
STA. 496+60	RT	6	12		8.0		
STA. 570+78	LT	20	12				26.7
STA. 573+42	LT	20	12				26.7
STA. 576+32	LT	6	12		8.0		
STA. 576+32	RT	6	12		8.0		
IL 177/127 INTERSECTION							
SOUTH LEG	LT	60	12				80.0
*SOUTH LEG	LT	11	6		7.3		
NORTH LEG	RT	11	18			22.0	
NORTH LEG	RT	30	18				60.0
NORTH LEG	LT	25	18				50.0
ANTICIPATED FAILURES				2	48	33	80
TOTALS				10	239	164	398

NOTE: STATIONING IS APPROXIMATE.
*FRENCH DRAIN LOCATION

FRENCH DRAIN SCHEDULE							
LOCATION	SIDE	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	FRENCH DRAINS (CU YD)	GEOTECHNICAL FABRIC FOR FRENCH DRAINS (SQ YD)
LOC. 1 - FAP 690							
STA. 35+30	LT	19	6	2	8.4	8.4	33.8
STA. 36+20	LT	19	6	2	8.4	8.4	33.8
LOC. 1 - FAS 819							
STA. 63+30	RT	19	6	2	8.4	8.4	33.8
N. LEG OF IL 127		18	6	2	8.0	8.0	32.0
S. LEG OF IL 127		11	6	2	4.9	4.9	19.6
TOTALS					38	38	153

RESURFACING SCHEDULE

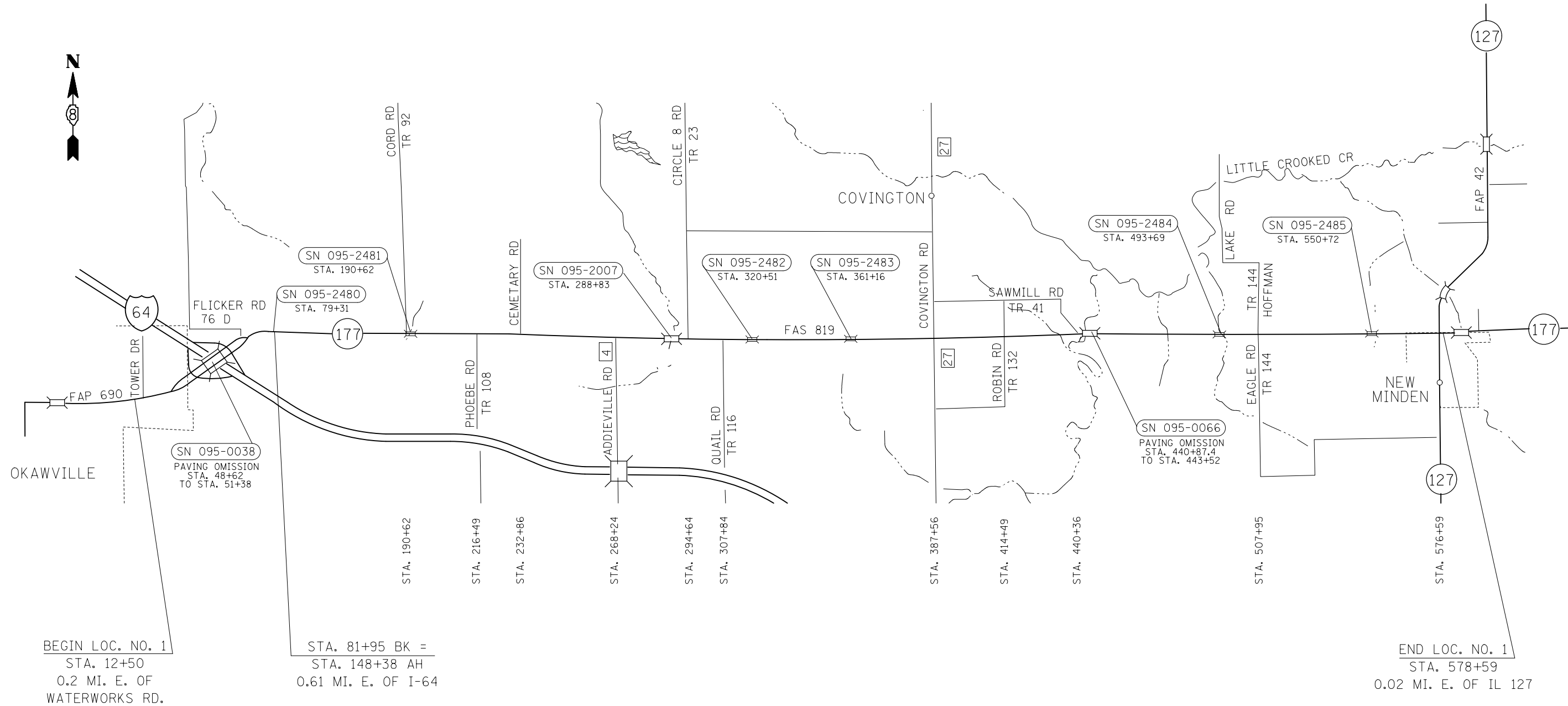
LOCATION	HMA SURFACE REMOVAL 2.5" (SQ YD)	HMA SURFACE REMOVAL 1.5" (SQ YD)	HMA SURFACE REMOVAL 2.25" (SQ YD)	TEMPORARY RAMP (SQ YD)	POLYMERIZED BITUMINOUS MATERIALS PRIME COAT (TON)	BITUMINOUS MATERIALS PRIME COAT (TON)	AGGREGATE PRIME COAT (TON)	STRIP REFL CRACK CONTROL TREATMENT (FT)	POLYMERIZED HMA SURF CSE MIX "D", N90 2.5" (TON)	LEVELING BINDER (MM) IL-9.5FG, N70 0.75" (TON)	HMA SURF CSE MIX "C", N70 1.5" (TON)	INCIDENTAL HMA SURFACING (TON)	HMA BASE CSE WIDENING 8" (SQ YD)	HMA SHOULDERS		HMA SHOULDERS 8"		AGGREGATE SHOULDER WEDGE TYPE B		
														LEFT SIDE (TON)	RIGHT SIDE (TON)	LEFT SIDE (SQ YD)	RIGHT SIDE (SQ YD)	LEFT SIDE (TON)	RIGHT SIDE (TON)	
LOC. NO. 1 - FAP 690																				
STA 12+50 TO 33+00	5466.67			70.90	1.71		8.20		765.33											
STA 33+00 TO 41+00	2640.00			46.67	0.83		3.96		369.60											
STA 41+00 TO 48+62	3208.87			53.90	1.00		4.81		449.24											
BRIDGE OMISSION																				
STA 51+38 TO 58+96	3145.70			53.22	0.98		4.72		440.40											
STA 58+96 TO 68+00	2843.58				0.89		4.27		398.10											
STA 68+00 TO 81+95	3720.00			22.20	1.16		5.58		520.80											
LOC. NO. 1 - FAS 819																				
STA 148+38 TO 190+62		11264.00		13.33		3.52	16.90	8448		473.09	948.48					1408.00	1408.00	52.57	52.57	
STA 190+62 TO 232+86		11264.00				3.52	16.90	8448		473.09	950.18					1408.00	1408.00	52.57	52.57	
STA 232+86 TO 268+24		9434.67				2.95	14.15	7076		396.26	797.21					1179.33	1179.33	44.03	44.03	
Addievillie Road		50.67				0.02	0.08					5.32								
STA 268+24 TO 287+93		5250.67				1.64	7.88	3938		220.53	441.36					656.33	656.33	24.50	24.50	
STA 287+93 TO 289+73		600.00				0.19	0.90	200		20.16	40.32			5.46	5.46				5.97	
STA 289+73 TO 307+84		4829.33				1.51	7.24	3622		202.83	407.26					603.67	603.67	22.54	22.54	
STA 307+84 TO 387+56		21258.67				6.65	31.89	15944		892.86	1788.53					2657.33	2657.33	99.21	99.21	
STA 387+56 TO 438+00		13450.67				4.21	20.18	10088		564.93	1131.16					1681.33	1681.33	62.77	62.77	
STA 438+00 TO 440+87		702.53		13.33		0.24	1.15	1150		32.19	64.38		255.47	8.72	8.72					
BRIDGE OMISSION																				
STA 443+52 TO 445+20		410.67		13.33		0.14	0.67	672		18.82	37.63		149.33	5.10	5.10					
STA 445+20 TO 507+95		16733.33				5.24	25.10	12550		702.80	1408.70					2091.67	2091.67	78.09	78.09	
STA 507+95 TO 574+59		17770.67				5.56	26.66	13328		746.37	1494.74					2221.33	2221.33	82.93	82.93	
STA 574+59 TO 578+59		1555.56		13.33		0.49	2.33	1400		87.11	130.67									
NORTH LEG OF IL 127		626.67		13.33		0.20	0.94	564		35.09	52.64									
SOUTH LEG OF IL 127		626.67		13.33		0.20	0.94	426		35.09	52.64									
LOC. NO. 2 - FAS 819																				
STA 85+00 TO 93+00			4088.89	20.00		1.28	6.13			97.07	194.13			112.00	112.00					
STA 93+00 TO 98+12		3413.33		22.20		1.07	5.12			95.57	191.15			71.68	71.68			6.37	6.37	
BRIDGE OMISSION																				
STA 102+61 TO 105+91		2199.67		37.80		0.69	3.30			61.59	123.18			46.19	46.19			4.11	4.11	
RAMP 1		3556.22		8.90		1.11	5.33			91.91	183.83			68.94	103.40			15.32	15.32	
RAMP 2		2123.33		8.90		0.66	3.19			54.88	109.76			41.16	61.74			9.15	9.15	
LOC. NO. 2 - FAP 322																				
RAMP 3		3775.78		8.90		0.73	3.49			97.59	195.18			73.19	109.79			16.26	16.26	
RAMP 4		2452.67		8.90		0.47	2.26			63.39	126.78			47.54	71.32			10.57	10.57	
TOTALS	21,025	133,350	4,089	442	7	42	234	87,854	2,943	5,463	10,870	5	405	480	595	13,907	13,907	581	587	
														1,075		27,814		1,168		

NOTE: THE QUANTITY FOR TEMPORARY RAMPS INCLUDES MATERIAL TO BE PLACED AT THE BEGINNING AND ENDS OF MILLED ROADWAY SECTIONS AND AT THE FOLLOWING SIDEROADS: TOWER DRIVE, EAST FRONTAGE ROAD, HEN HOUSE ROAD, RAMP D (TO EB I-64), AND RAMP A (TO WB I-64). TEMPORARY RAMPS AT THE I-64 RAMPS AND SIDEROADS SHALL NOT BE MORE THAN 3' IN LENGTH TO LIMIT ENCROACHMENT IN TRAFFIC LANES.

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKINGS															
	SKIP-DASH YELLOW 4" (FT)	SOLID YELLOW 4" (FT)		SOLID WHITE 4" (FT)		SOLID YELLOW 4" (FT)	SOLID WHITE 8" (FT)	SOLID WHITE 12" (FT)	SOLID WHITE 24" (FT)	SOLID WHITE LETTERS & SYMBOLS (SQ FT)		PAINT CURB (FOOT)	PRISMATIC CURB REFLECTOR (EACH)	RAISED REFLECTIVE PAVEMENT MARKERS (EACH)		
		CENTERLINE	NO PASSING ZONE		EDGELINES	LANE LINE	MEDIAN EDGELINE	ISLAND	ISLAND CHANNELIZATION	STOP BAR	LEFT TURN ARROW	"ONLY"	MEDIAN	MEDIAN	CRYSTAL ONE-WAY	AMBER TWO-WAY
	LT	RT														
LOC. NO. 1 - FAP 690																
STA. 12+50 TO 32+78	507			3931												26
STA. 32+78 TO 34+62	46		184	235												2
STA. 34+62 TO 42+72				1336		1467						84	30			
STA. 42+72 TO 45+97				640	300	654				46.8		42	16	8		
STA. 45+97 TO 48+62				530		538							13			
BRIDGE OMISSION																
STA. 51+38 TO 54+03				530		529								13		
STA. 54+03 TO 57+20				634	300	637				46.8		42	16	8		
STA. 57+20 TO 65+31				1332		1463						84	30			
STA. 65+31 TO 68+96	92	364		597												5
STA. 68+96 TO 81+95	325			2598												16
LOC. NO. 1 - FAS 819																
STA. 148+38 TO 287+19	3470			27763												174
STA. 287+19 TO 291+84	116		465	929												6
STA. 291+84 TO 300+76	223			1785												11
STA. 300+76 TO 306+30	139	554		1109												7
STA. 306+30 TO 440+87	3364			26913												168
BRIDGE OMISSION																
STA. 443+52 TO 452+93	235			1882												12
STA. 452+93 TO 458+42	137		549	1098												7
STA. 458+42 TO 464+76	158			1267												8
STA. 464+76 TO 470+20	136	544		1088												7
STA. 470+20 TO 470+35	4			32												
STA. 470+35 TO 480+02	242		966	1932												12
STA. 480+02 TO 481+60	40			317												2
STA. 481+60 TO 544+27	1567	6267		12535												78
STA. 544+27 TO 548+39	103			824												5
STA. 548+39 TO 557+90	238		950	1901												12
STA. 557+90 TO 559+32	36			285												2
STA. 559+32 TO 569+04	243	972		1943												12
STA. 569+04 TO 572+63	90			718												4
STA. 572+63 TO 574+59	49		200	392												2
IL 177/127 INTERSECTION	190	350	350	1328			200	60	124							8
LOC. NO. 2 - FAS 819																
STA. 85+00 TO 89+98				996		830										12
STA. 89+98 TO 97+12				1428		1428						84	36			
STA. 97+12 TO 98+12				200	107	200				15.6	20.8	42	6	3		
BRIDGE OMISSION																
STA. 102+61 TO 106+06				689	106	689				15.6	20.8	42	14	3		
RAMP 1				1231		1231			45			43				
RAMP 2				735		735										
LOC. NO. 2 - FAS 819																
RAMP 3				1307		1307			45			43				
RAMP 4				849		849										
SUBTOTALS	11749	9051	3664	105839	813	12557	200	60	214	124.8	41.6	506	174	22	599	
TOTALS	143673						200	60	214	166		506	174	621		

NOTE: RAISED REFLECTIVE PAVEMENT MARKERS ARE NOT REQUIRED AT EDGELINES ADJACENT TO RAISED MEDIANS WHERE PRISMATIC CURB REFLECTORS ARE PRESENT.

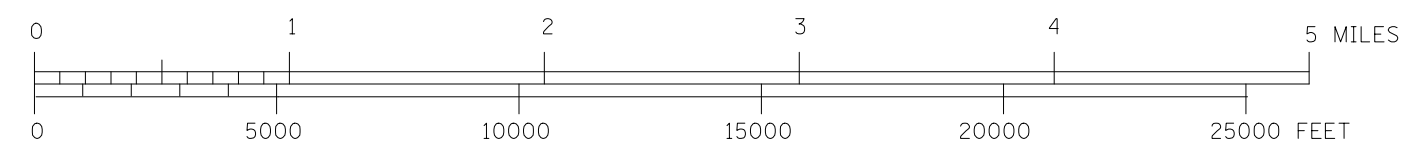


BEGIN LOC. NO. 1
 STA. 12+50
 0.2 MI. E. OF
 WATERWORKS RD.

STA. 81+95 BK =
 STA. 148+38 AH
 0.61 MI. E. OF I-64

END LOC. NO. 1
 STA. 578+59
 0.02 MI. E. OF IL 127

SCALE

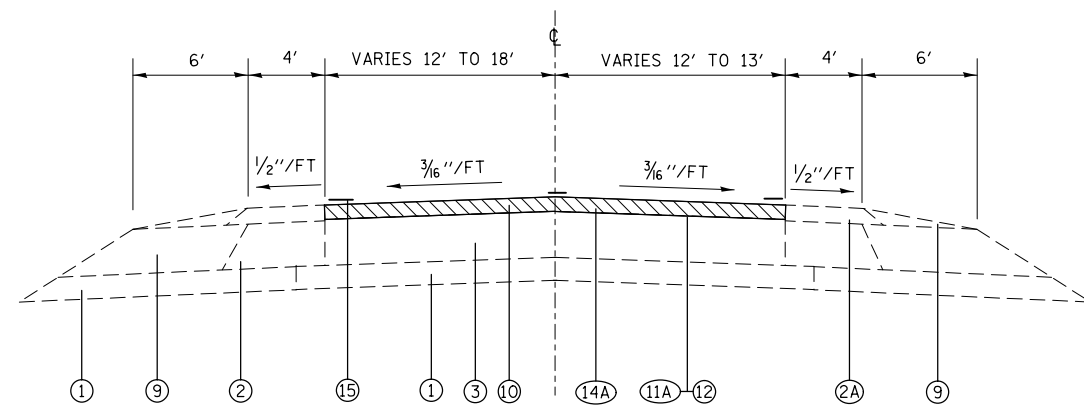


NOTES: SN 095-2480, 095-2481, 095-2007, 095-2482, 095-2483, 095-2484, AND 095-2485 ARE INCLUDED IN THE MILLING AND RESURFACING OPERATIONS. SN 095-0038 AND 095-0066 AND APPROACH PAVEMENTS SHALL BE OMITTED FROM RESURFACING.

SEE SHEET NO. 16 FOR IL 177/IL 127 INTERSECTION DETAILS.

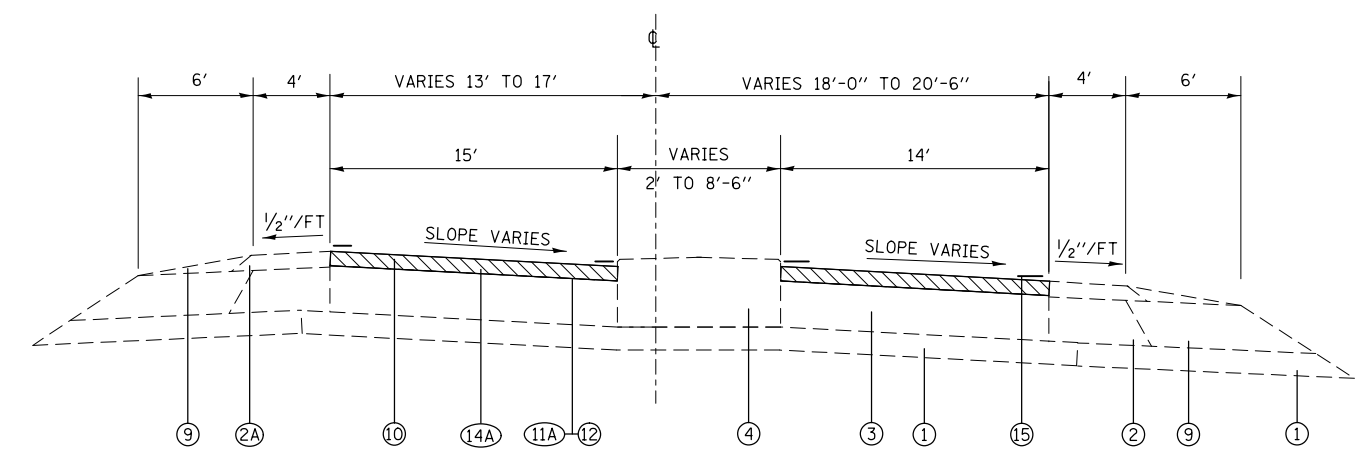
STATIONING IS APPROXIMATE.

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	PLOT DATE = 2/6/2014	DATE -	REVISED -		• FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61						
					SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



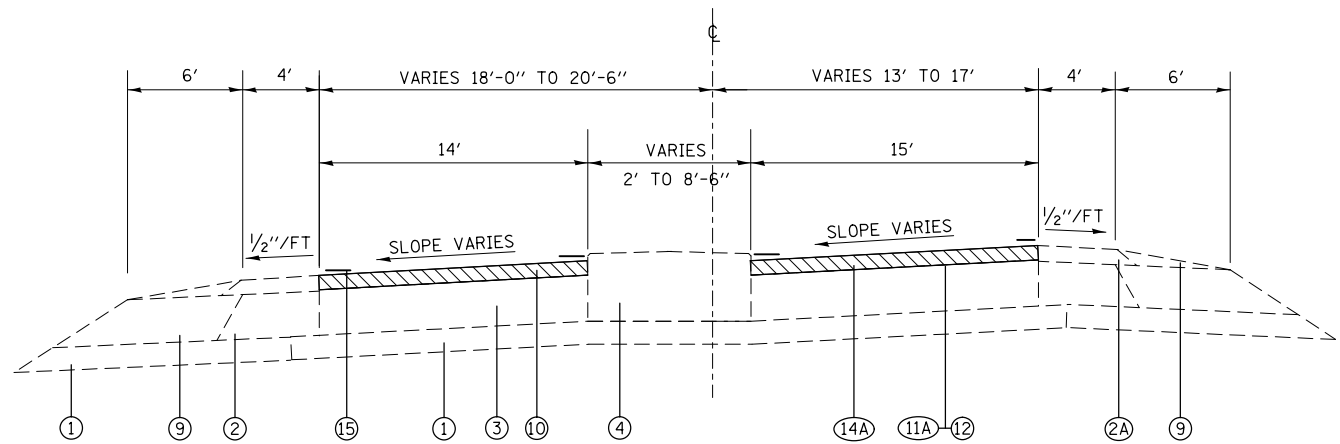
TYPICAL SECTION

STA. 12+50 TO STA. 35+43
STA. 64+57 TO STA. 81+95



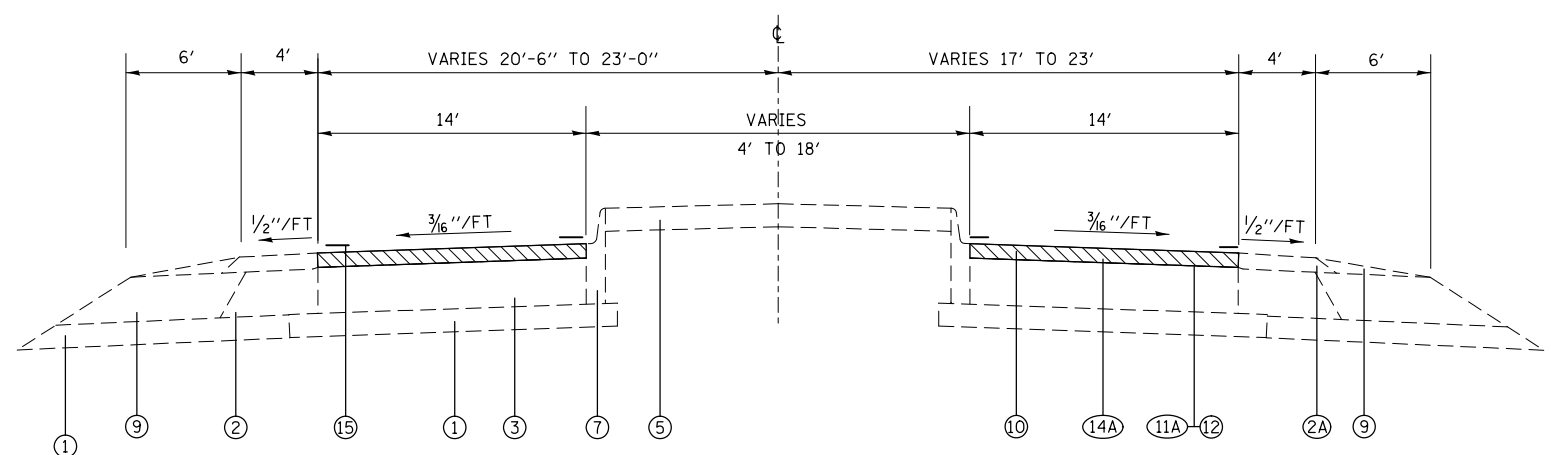
TYPICAL SECTION

STA. 63+08 TO STA. 64+57



TYPICAL SECTION

STA. 35+43 TO STA. 36+93



TYPICAL SECTION

STA. 36+93 TO STA. 41+00
STA. 58+96 TO STA. 63+08

LEGEND

- ① EXISTING STABILIZED SUB-BASE-4"
- ② EXISTING HMA SHOULDER-8"
- ②A EXISTING HMA SHOULDER-2 1/2"
- ③ EXISTING PCC PAVEMENT W/PAVEMENT FABRIC-8"
- ④ EXISTING CONCRETE MEDIAN, TYPE C-4
- ⑤ EXISTING CONCRETE MEDIAN SURFACE
- ⑥ EXISTING SOLID CONCRETE MEDIAN
- ⑦ EXISTING CONCRETE CURB AND GUTTER, TYPE M6.06
- ⑧ EXISTING HMA SURFACE COURSE, MIX D, CLASS I - 3"
- ⑨ EXISTING AGGREGATE SHOULDER
- ⑩ EXISTING HMA RESURFACING - 2 1/2"
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪A PROPOSED POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED AGGREGATE (PRIME COAT)
- ⑬ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑭ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑭A PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 2 1/2" (ONE LIFT)
- ⑮ PROPOSED PAVEMENT MARKING

HMA SURFACE REMOVAL, 2 1/2" (THIS SHEET)

NOTES: FROM STA. 12+50 TO STA. 81+95, THE EXISTING HMA SHALL BE MILLED TO BARE PCC. THERE IS A MILLING DEPTH CHANGE AT STA. 81+95 BK = STA. 148+38 AH.

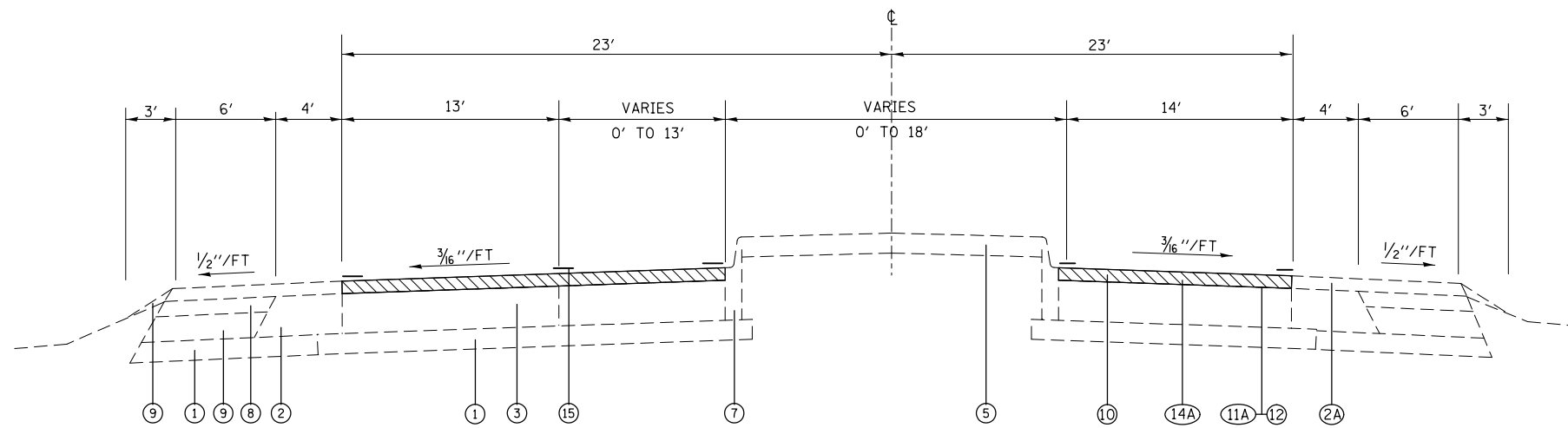
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
LOCATION NO. 1 - WEST OF I-64 TO 0.61 MI. EAST OF I-64**

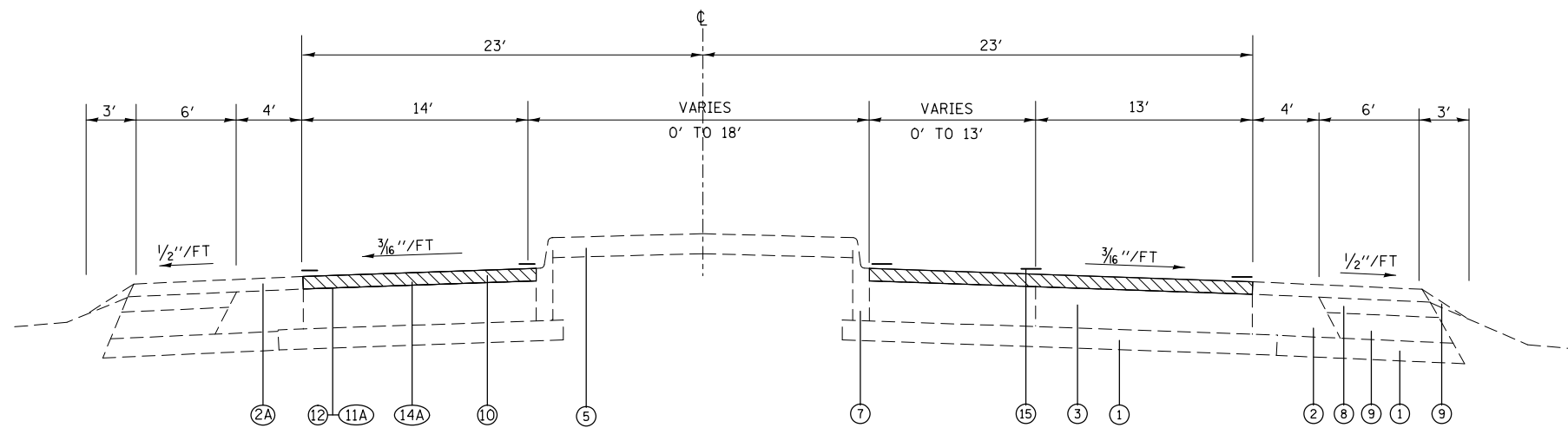
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	13
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



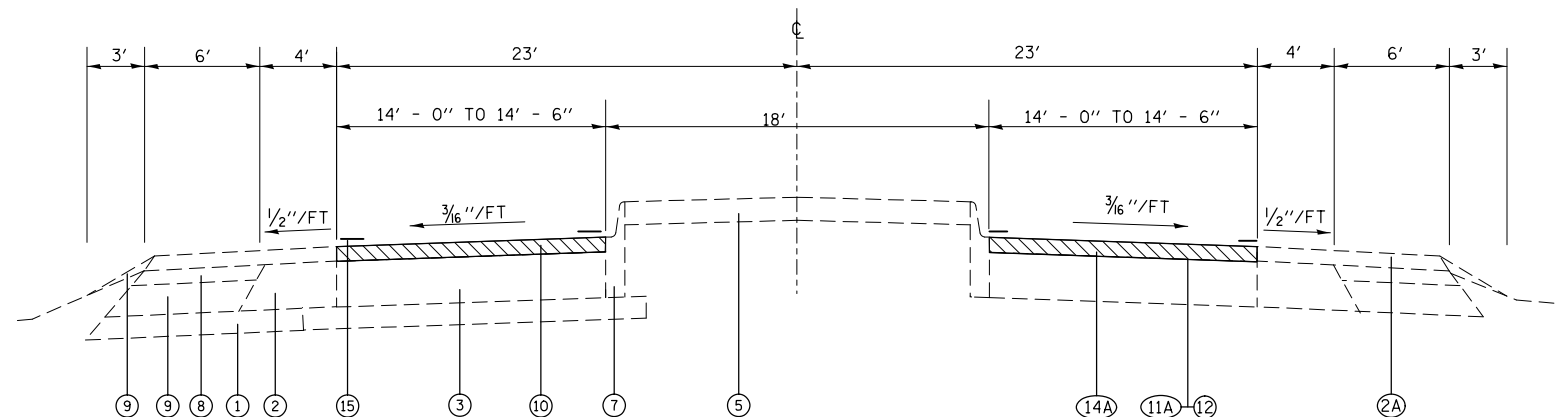
TYPICAL SECTION

STA. 41+00 TO STA. 42+45 (EOP ABUTS RAMP BETWEEN THESE STATIONS)
 STA. 42+45 TO STA. 48+02



TYPICAL SECTION

STA. 51+98 TO STA. 57+56
 STA. 57+56 TO STA. 58+96 (EOP ABUTS RAMP BETWEEN THESE STATIONS)



TYPICAL SECTION

STA. 48+02 TO STA. 48+62
 STA. 51+38 TO STA. 51+98

LEGEND

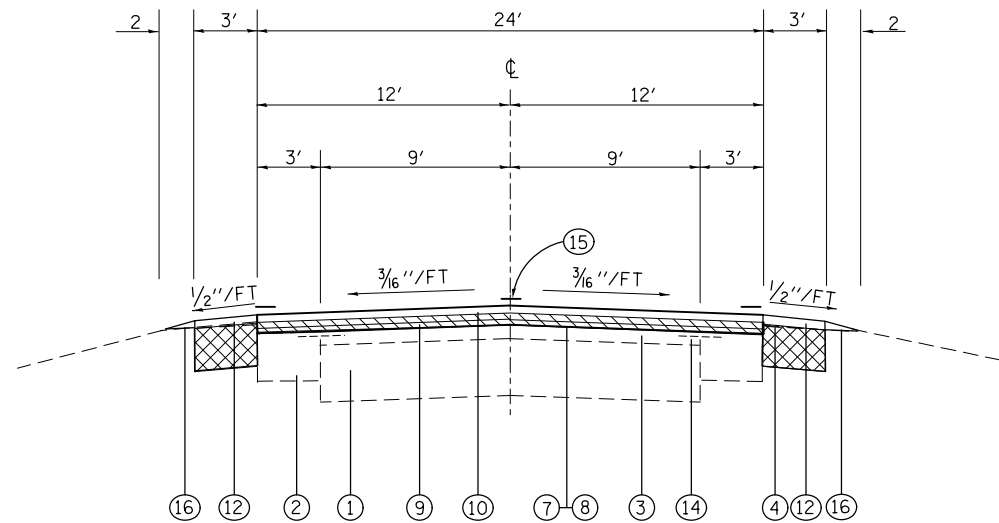
- ① EXISTING STABILIZED SUB-BASE-4"
- ② EXISTING HMA SHOULDER-8"
- ②A EXISTING HMA SHOULDER-2 1/2"
- ③ EXISTING PCC PAVEMENT W/PAVEMENT FABRIC-8"
- ④ EXISTING CONCRETE MEDIAN, TYPE C-4
- ⑤ EXISTING CONCRETE MEDIAN SURFACE
- ⑥ EXISTING SOLID CONCRETE MEDIAN
- ⑦ EXISTING CONCRETE CURB AND GUTTER, TYPE M6.06
- ⑧ EXISTING HMA SURFACE COURSE, MIX D, CLASS I - 3"
- ⑨ EXISTING AGGREGATE SHOULDER
- ⑩ EXISTING HMA RESURFACING - 2 1/2"
- ⑪ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪A PROPOSED POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PROPOSED AGGREGATE (PRIME COAT)
- ⑬ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑭ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑭A PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N90 - 2 1/2" (ONE LIFT)
- ⑮ PROPOSED PAVEMENT MARKING

HMA SURFACE REMOVAL, 2 1/2" (THIS SHEET)

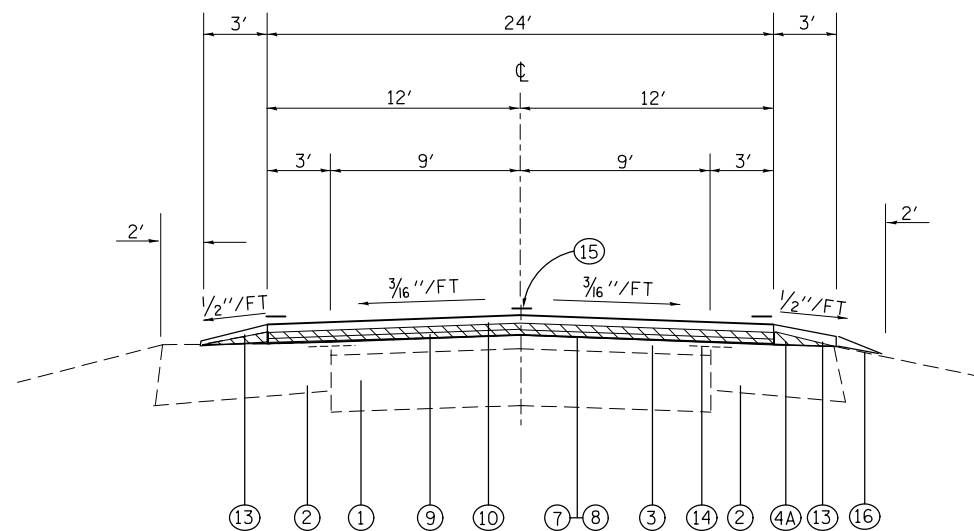
NOTES: FROM STA. 12+50 TO STA. 81+95, THE EXISTING HMA SHALL BE MILLED TO BARE PCC. THERE IS A MILLING DEPTH CHANGE AT STA. 81+95 BK = STA. 148+38 AH.

NOTE: SN 095-0038 AND APPROACHES (STA. 48+62 TO STA. 51+38) SHALL BE OMITTED FROM RESURFACING OPERATIONS.

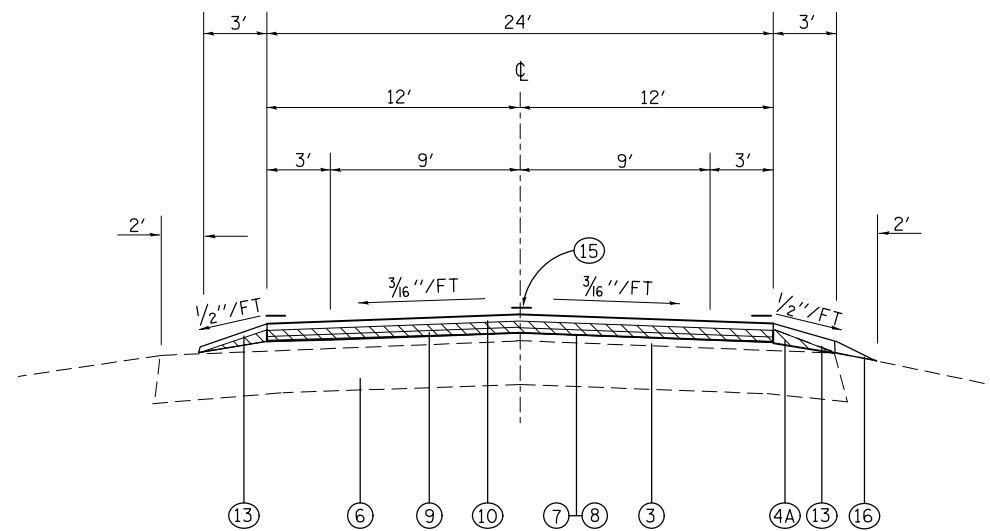
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et:\pw\work\p\dot\milcomr\d0345201\d876	61-sht-pln.dgn	DRAWN -	REVISED -		•	(109,110)RS-1, 31-2RS	WASHINGTON	40	14			
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		•FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61						
	PLOT DATE = 2/6/2014	DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



TYPICAL SECTION
 STA. 148+38 TO STA. 287+93
 STA. 289+73 TO STA. 438+00
 STA. 445+20 TO STA. 574+59

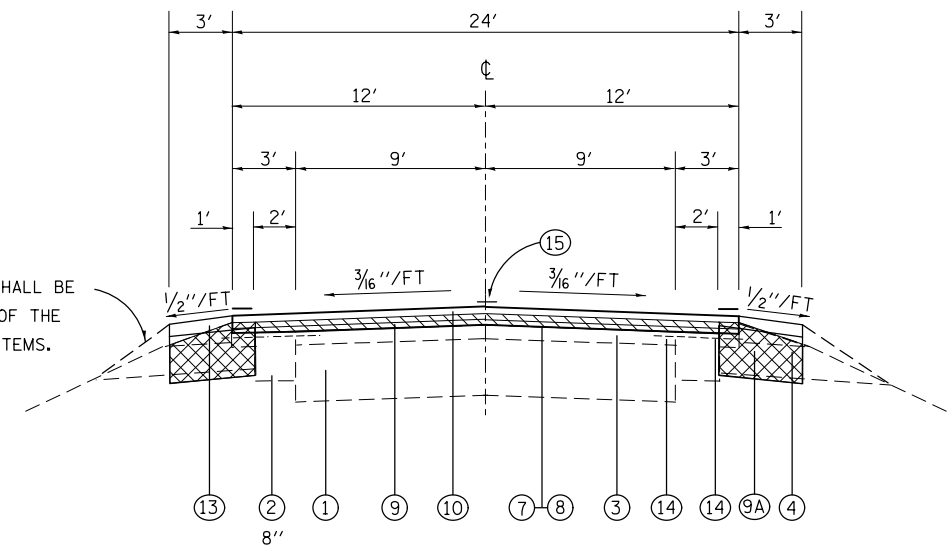


TYPICAL SECTION
 STA. 287+93 TO STA. 288+43
 STA. 289+23 TO STA. 289+73



TYPICAL SECTION
 STA. 288+43 TO STA. 289+23

EARTH FILL, IF NEEDED, SHALL BE INCLUDED IN THE COST OF THE OTHER CONTRACT PAY ITEMS.



TYPICAL SECTION
ADJACENT TO SN 095-0066
 STA. 438+00 TO STA. 440+87.4
 STA. 443+52 TO STA. 445+20

NOTES: STRUCTURE AND APPROACH PAVEMENTS ARE OMITTED FROM RESURFACING; HOWEVER, THE PROPOSED HMA SHOULDERS 8" SHALL CONTINUE TO WHERE THE PCC BRIDGE APPROACH SHOULDER BEGINS. CARE SHALL BE TAKEN NOT TO DAMAGE THE EXISTING GUARDRAIL.

THE INNER ONE FOOT OF WIDENING ADJACENT TO THE PAVEMENT SHALL BE RESURFACED WITH THE PAVEMENT. THE OUTER THREE FEET SHALL BE SURFACED AS HMA SHOULDERS.

LEGEND

- ① EXISTING 9"-6"-9" PCC PAVEMENT
- ② EXISTING HMA BASE COURSE WIDENING, 9"
- ③ EXISTING HMA RESURFACING
- ④ EXISTING AGGREGATE SHOULDERS, TYPE B
- ④A EXISTING HMA SHOULDER
- ⑤ EXISTING CURB & GUTTER
- ⑥ EXISTING PCC BASE COURSE 9"
- ⑦ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑧ PROPOSED AGGREGATE (PRIME COAT)
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑨A PROPOSED HMA BASE COURSE WIDENING, 8"
- ⑩ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑫ PROPOSED HMA SHOULDERS, 8"
- ⑬ PROPOSED HMA SHOULDERS, VARIES 2 1/4" AT EOP TO 1" AT OUTER EDGE
- ⑭ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑮ PROPOSED PAVEMENT MARKING
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



HMA SURFACE REMOVAL, 1/2"



EARTH EXCAVATION: THIS PAY ITEM SHALL INCLUDE THE REMOVAL OF EXISTING HMA, PCC, AND AGGREGATE FROM PRIOR RESURFACING PROJECTS.

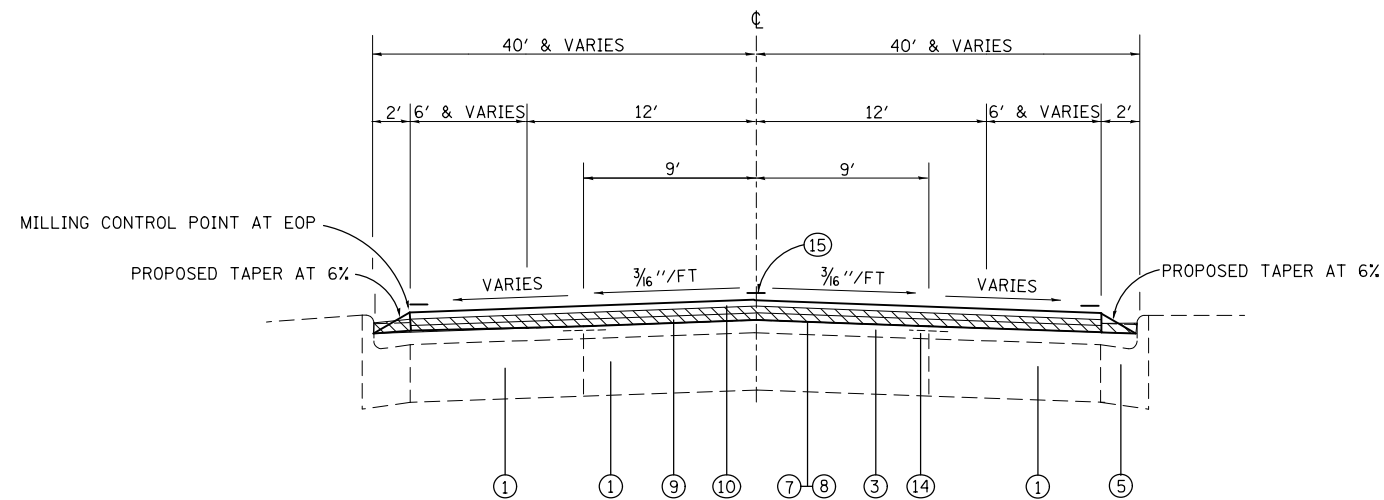
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LOCATION NO. 1 - 0.61 MI. EAST OF I-64 TO IL 127

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	15
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



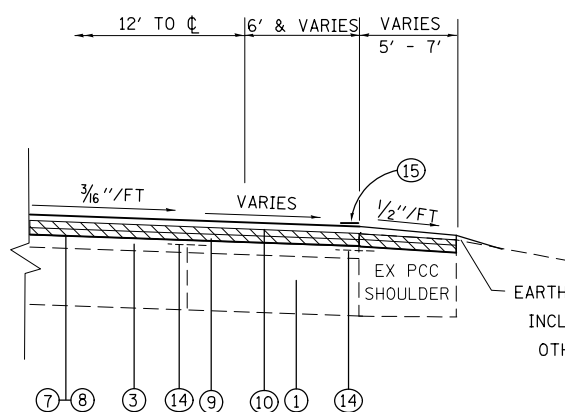
**TYPICAL SECTION
IL ROUTE 177/127 INTERSECTION**

STA. 574+59 TO STA. 578+59
NORTH AND SOUTH LIMITS:
200' NORTH AND 200' SOUTH OF CL OF IL 177

NOTES:

THE PAVEMENT MAY REQUIRE VARIABLE MILLING AS DIRECTED BY THE RESIDENT ENGINEER TO RESTORE THE PAVEMENT PROFILE AND CROSS SLOPES FOR ADEQUATE DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE COST OF BITUMINOUS SURFACE REMOVAL, 1 1/2". ADDITIONAL BINDER QUANTITY HAS ALSO BEEN ADDED TO THE PLANS TO BE USED FOR THIS CORRECTION.

THE RADII AT THE NORTHWEST AND SOUTHWEST CORNERS HAVE PCC SHOULDERS IN PLACE OF CURB AND GUTTER. THESE SHOULDERS SHALL BE MILLED AND RESURFACED WITH THE ADJOINING PAVEMENT; HOWEVER, THE EDGE LINE SHALL BE PLACED AT THE SAME LOCATION AS THE EXISTING.



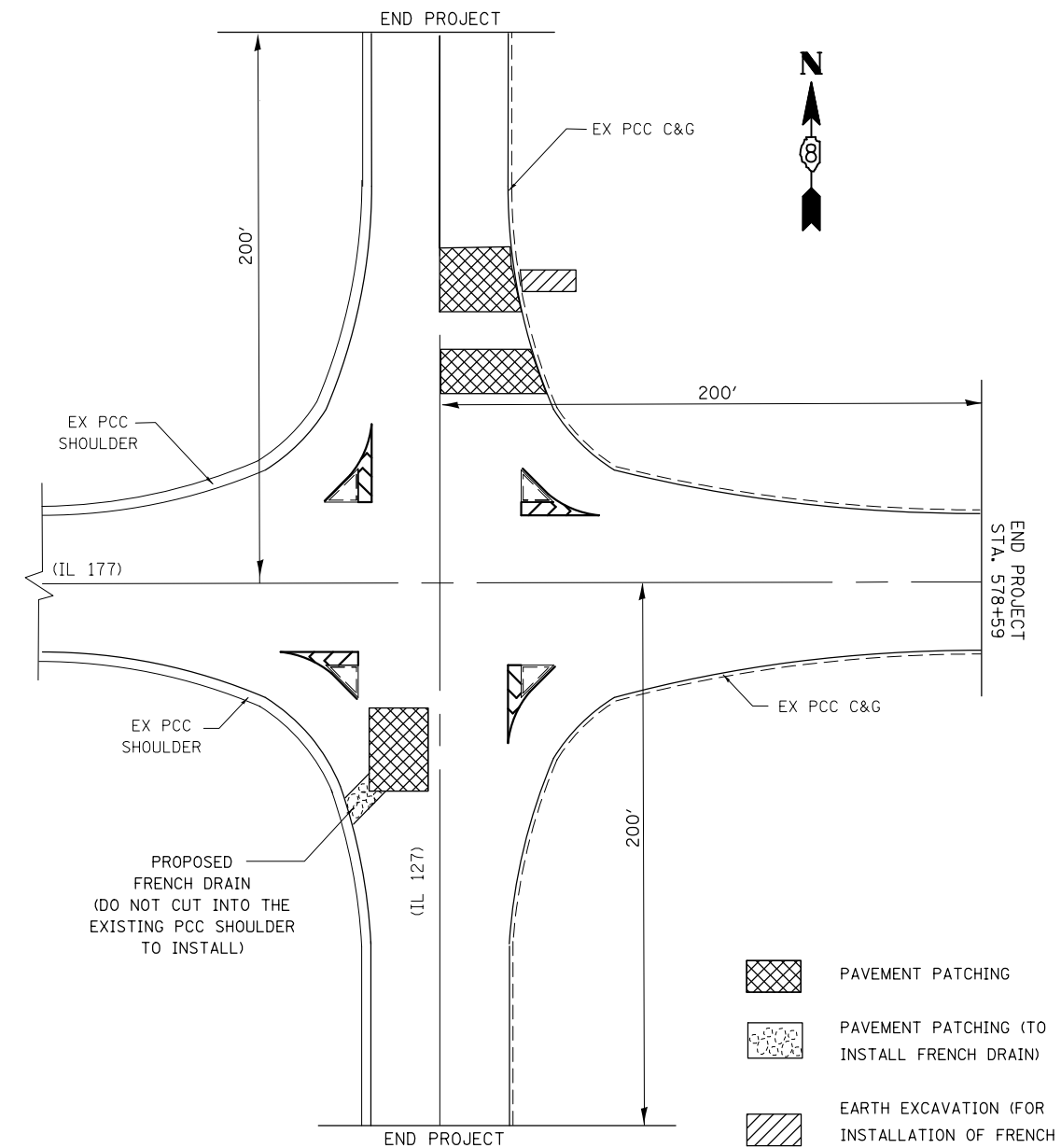
**SHOULDER DETAIL
NORTHWEST AND SOUTHWEST QUADRANTS**

SHOULDERS WERE CONSTRUCTED OF 13" PCC WITH PAVEMENT FABRIC OVER 4" CA 6 AGGREGATE. 2' EPOXY COATED BARS CONNECT THE SHOULDER TO THE PAVEMENT.

LEGEND

- ① EXISTING 9"-6"-9" PCC PAVEMENT
- ② EXISTING HMA BASE COURSE WIDENING, 9"
- ③ EXISTING HMA RESURFACING
- ④ EXISTING AGGREGATE SHOULDERS, TYPE B
- ④A EXISTING HMA SHOULDER
- ⑤ EXISTING CURB & GUTTER
- ⑥ EXISTING PCC BASE COURSE 9"
- ⑦ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑧ PROPOSED AGGREGATE (PRIME COAT)
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑨A PROPOSED HMA BASE COURSE WIDENING, 8"
- ⑩ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑫ PROPOSED HMA SHOULDERS, 8"
- ⑬ PROPOSED HMA SHOULDERS, VARIES 2 1/4" TO 1"
- ⑭ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑮ PROPOSED PAVEMENT MARKING
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

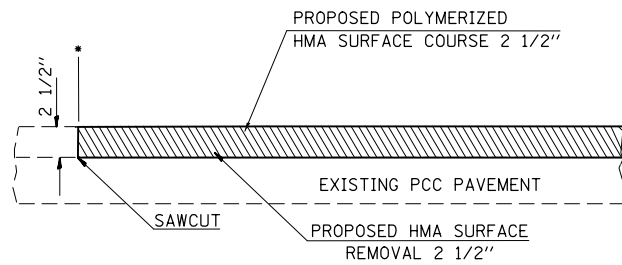
HMA SURFACE REMOVAL, 1 1/2": THIS PAY ITEM SHALL INCLUDE THE MILLING OF EXISTING PCC SHOULDER TO PREPARE FOR RESURFACING WITH THE ADJOINING PAVEMENT.



**LIMITS OF RESURFACING AT THE
IL 177/IL 127 INTERSECTION**

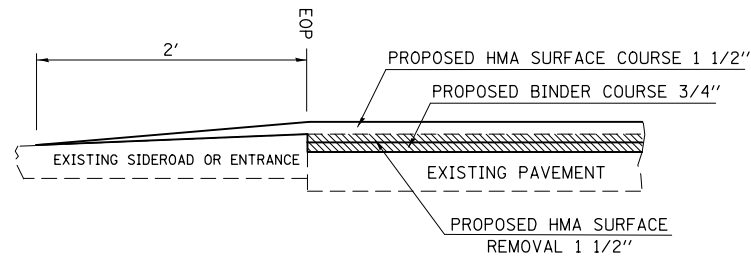
THE EXISTING JOINT OF THE NORTH LEG
A JOINT IS TO BE CONSTRUCTED ON THE EAST AND SOUTH LEGS

FILE NAME =	USER NAME = mlscmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS /DETAILS IL 177 /IL 127 INTERSECTION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -			• FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61			
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	PLOT SCALE = 100.0000' / 1".			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				
	PLOT DATE = 2/6/2014									

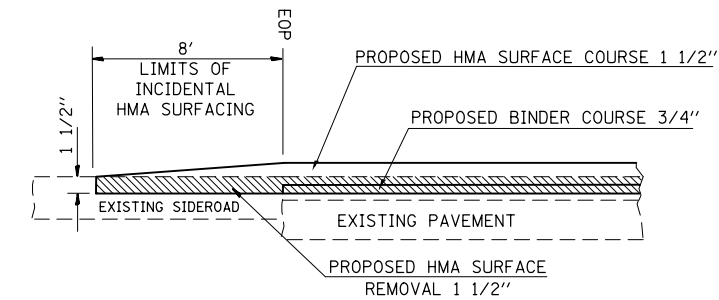
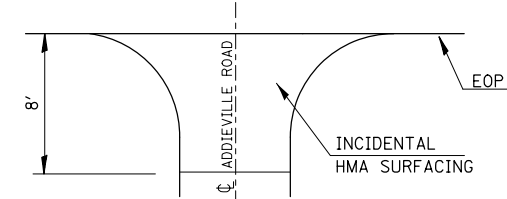


RESURFACING DETAIL WEST END OF LOCATION NO. 1

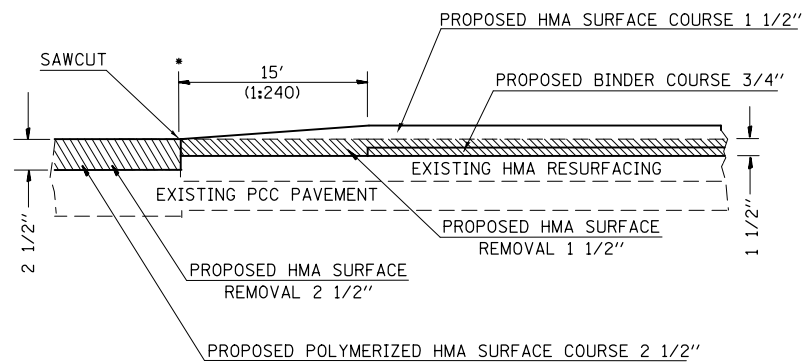
- *STA. 12+50 (EXISTING JOINT)
- *STA. 47+98 (WEST BRIDGE APPROACH)
- *STA. 52+01 (EAST BRIDGE APPROACH)



FEATHEREDGE DETAIL FOR PCC ENTRANCES AND OIL AND CHIP, HOT-MIX ASPHALT, AND PCC SIDEROADS

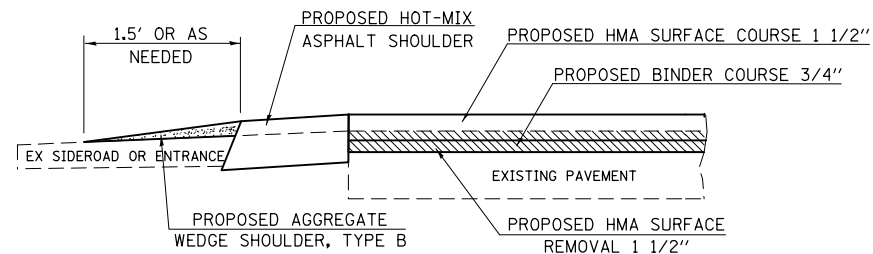


ADDIEVILLE ROAD DETAILS

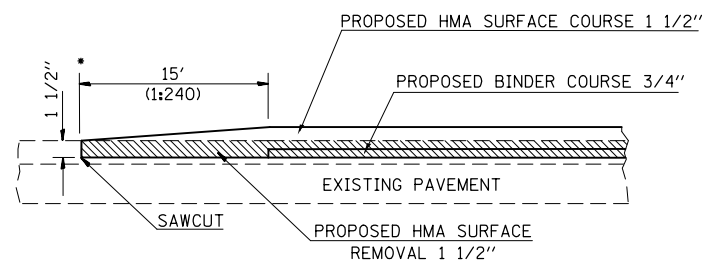


TRANSITIONING DETAIL 0.61 MI. EAST OF I-64

- *STA. 81+95 BK = STA. 148+38 AH (EXISTING JOINT)



AGGREGATE WEDGE DETAIL FOR AGGREGATE ENTRANCES AND SIDEROADS



RESURFACING TRANSITIONS AT SN 095-0066 AND EAST END OF LOCATION NO. 1

- *STA. 440+87.40 (WEST BRIDGE APPROACH)
- *STA. 443+52.00 (EAST BRIDGE APPROACH)
- *NORTH LEG OF IL 127 (EXISTING JOINT APPROX. 200' FROM ϕ OF IL 177)
- *JOINT TO BE CONSTRUCTED ON EAST AND SOUTH LEGS AT IL 127 (APPROX. 200' FROM ϕ)

NOTES:

ALL SAWCUTS AND MILLING DEPTH TRANSITIONS SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE REMOVAL PAY ITEMS.

DO NOT CUT OR MILL BRIDGE APPROACH PAVEMENTS.

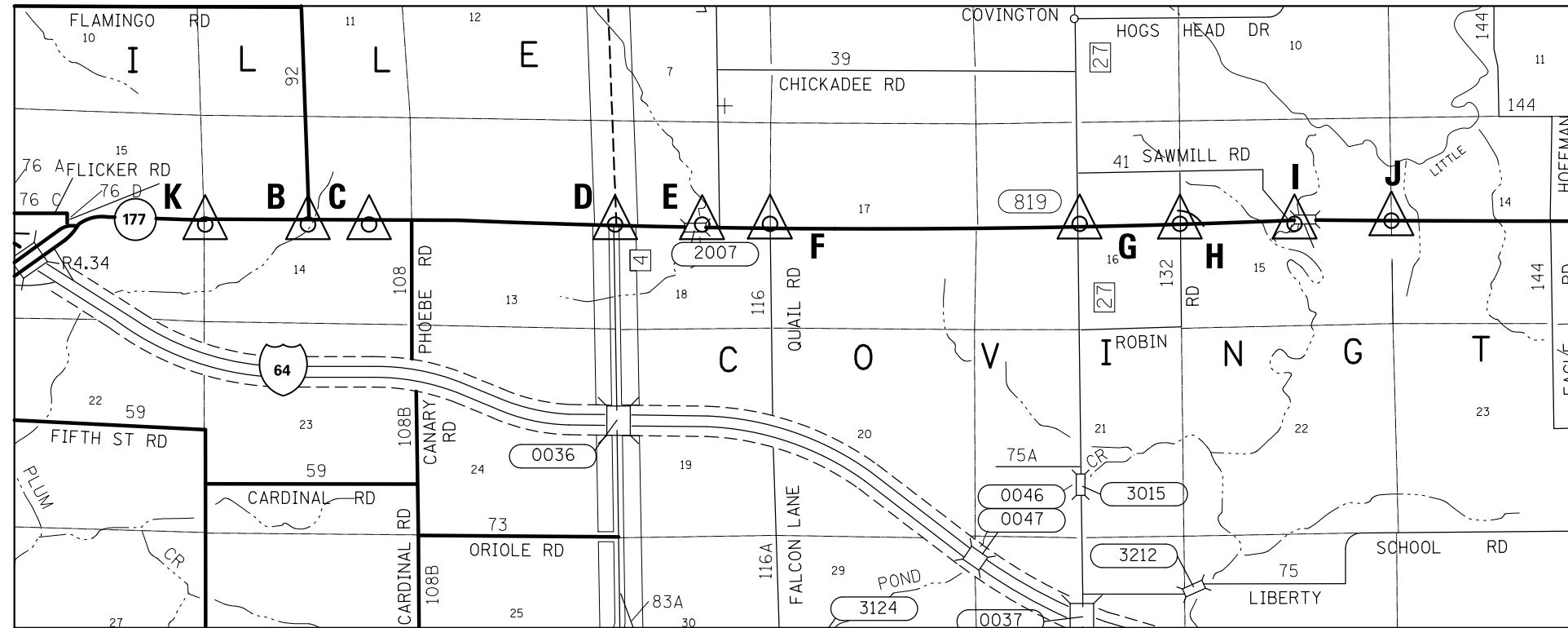
AT HMA ENTRANCES, THE PROPOSED HMA SHOULDER SHALL BE PLACED THROUGH THE ENTRANCE. THE OUTER EDGE OF THE PROPOSED HMA SHOULDER SHALL TAPER TO THE EXISTING ENTRANCE ELEVATION. (DETAIL NOT PROVIDED FOR THIS CASE)

AN EXTRA QUANTITY OF HMA SURFACE COURSE HAS BEEN INCLUDED IN THE PLAN QUANTITIES FOR HMA FEATHEREDGES AT SIDEROADS AND ENTRANCES UNLESS SHOWN OTHERWISE.

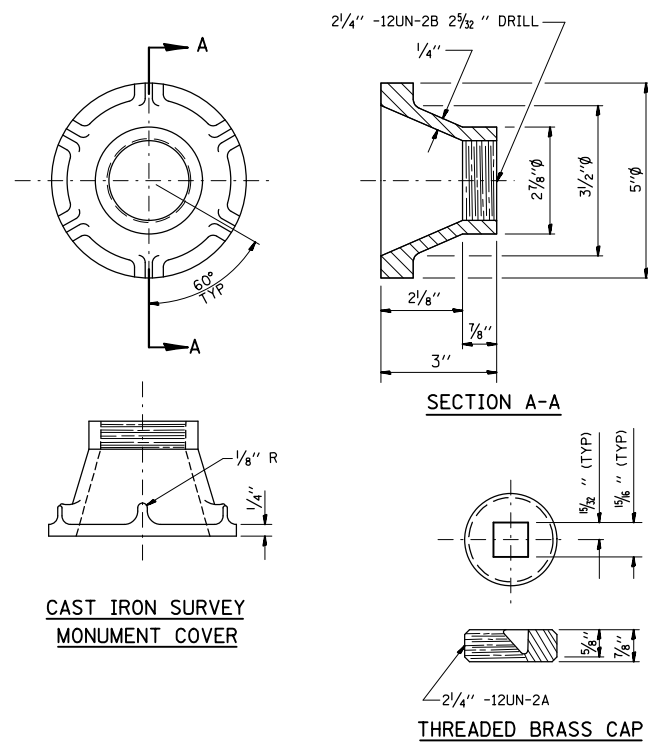
FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING DETAILS LOCATION NO. 1				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\milecmr\d0345201\d87661-sht-pln.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	• (109,110)RS-1, 31-2RS	WASHINGTON	40	17
		CHECKED -	REVISED -								• FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
		DATE -	REVISED -								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

R 4 W

R 3 W



T 1 S



NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- ALL RADII ARE 3/8" UNLESS SPECIFIED.
- ALL CHAMFERS ARE 45°.
- ROUND ALL SHARP EDGES.
- USE THREADS AND DIMENSIONS AS SPECIFIED OR EQUIVALENT, WITH THE APPROVAL OF THE ENGINEER
- THE SURVEY MONUMENT COVER ASSEMBLY SHOWN IS AN EXAMPLE. OTHER MODELS, SIMILAR IN DESIGN, MAY BE USED WITH THE APPROVAL OF THE ENGINEER
- THE THREADS OF THE CAP AND COVER WILL BE COATED WITH PIPE TAPE OR PIPE THREAD COMPOUND PRIOR TO INSTALLATION.

FILE NAME =	USER NAME = mlscmr	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CAST IRON SURVEY MONUMENT COVER

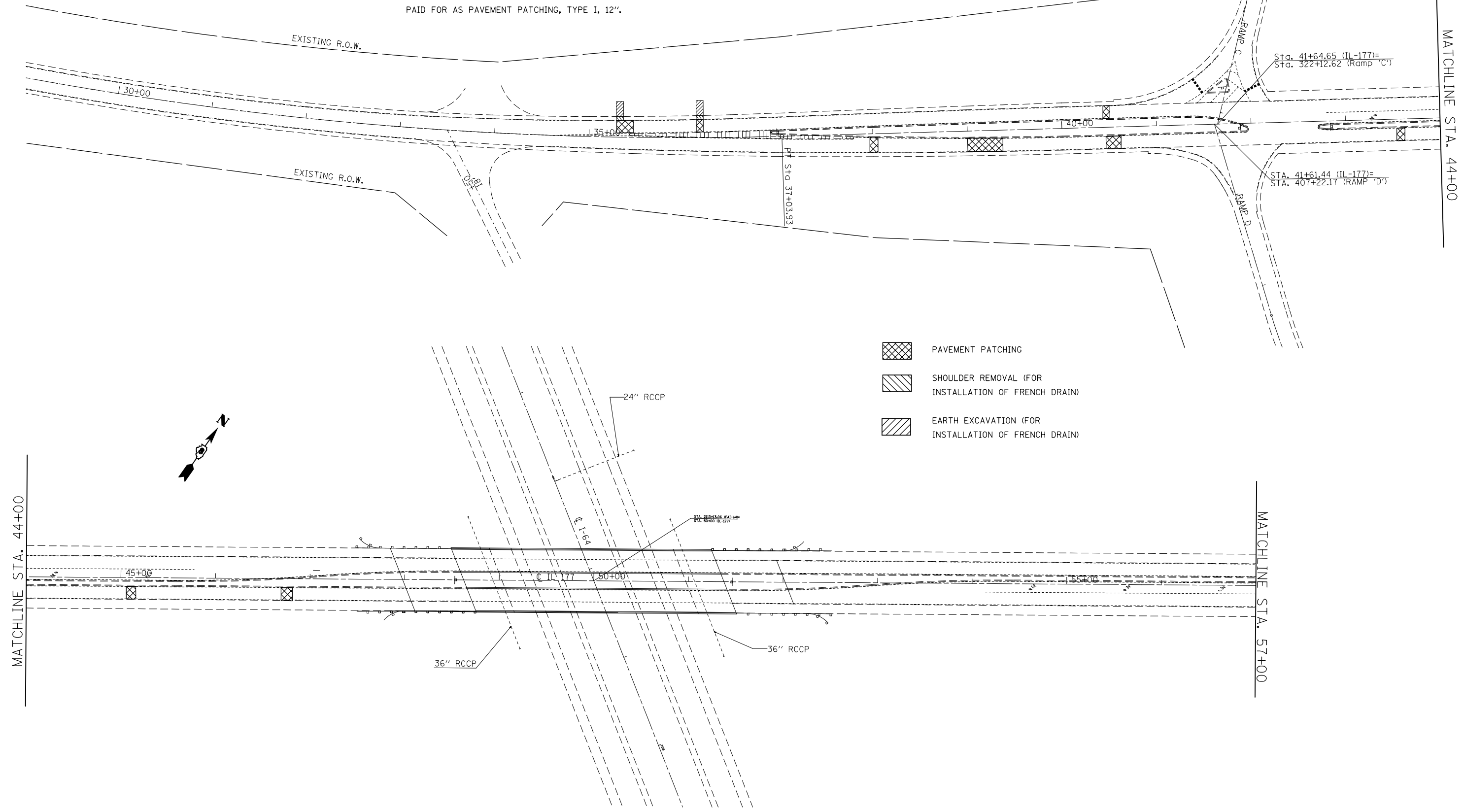
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
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110RS-1, 31-2RS)	WASHINGTON	40	19
•	FAP 690/FAS 819/FAP 322	CONTRACT	NO. 76661	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

NOTES: PATCH AND FRENCH DRAIN LOCATIONS ARE APPROXIMATE.

FRENCH DRAIN DETAIL IS ON SHEET NO. 21.

SHOULDER REMOVAL AND REPLACEMENT FOR INSTALLATION OF FRENCH DRAINS SHALL BE MEASURED IN PLACE AND PAID FOR AS PAVEMENT PATCHING, TYPE I, 12".



-  PAVEMENT PATCHING
-  SHOULDER REMOVAL (FOR INSTALLATION OF FRENCH DRAIN)
-  EARTH EXCAVATION (FOR INSTALLATION OF FRENCH DRAIN)

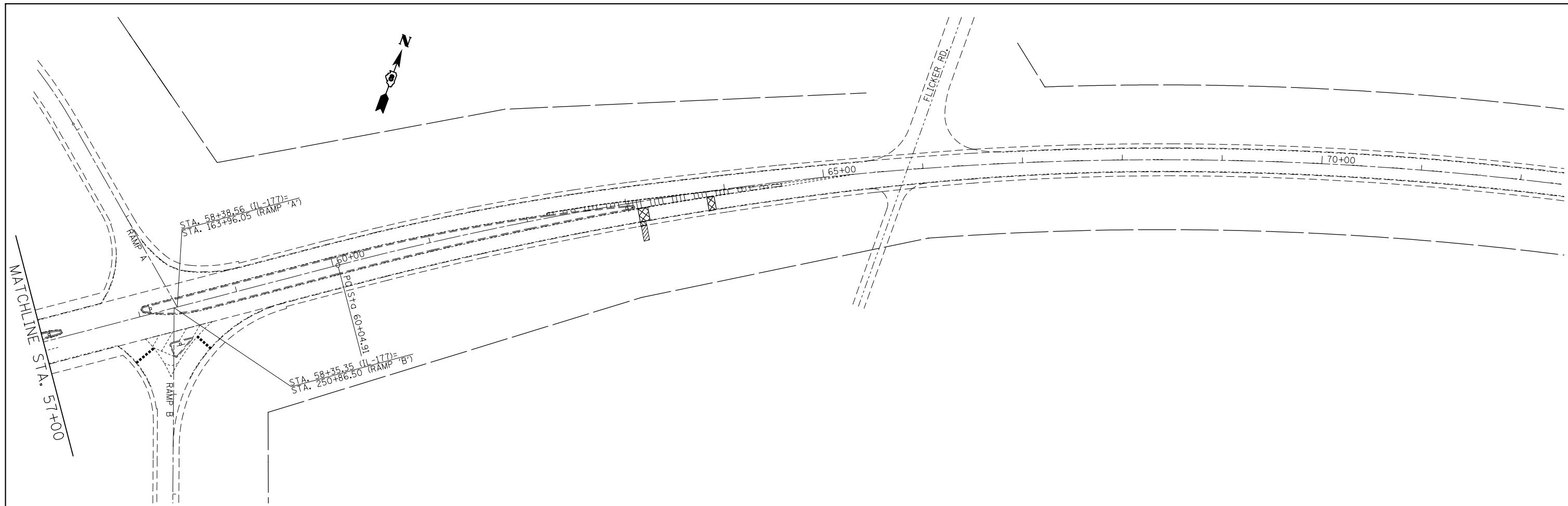


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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PATCHING AND FRENCH DRAINS IL 177 OVER I-64			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

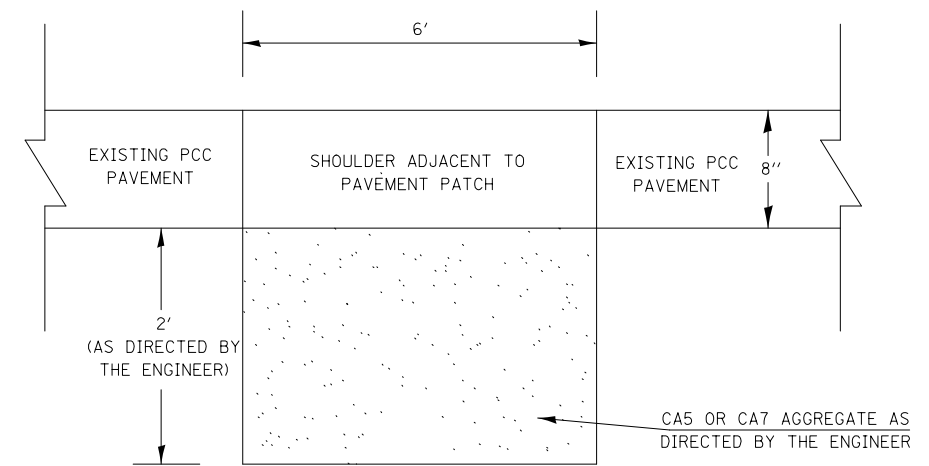
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	20
•FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- PAVEMENT PATCHING
- SHOULDER REMOVAL (FOR INSTALLATION OF FRENCH DRAIN)
- EARTH EXCAVATION (FOR INSTALLATION OF FRENCH DRAIN)

NOTES: PATCH AND FRENCH DRAIN LOCATIONS ARE APPROXIMATE.

SHOULDER REMOVAL AND REPLACEMENT FOR INSTALLATION OF FRENCH DRAINS SHALL BE MEASURED IN PLACE AND PAID FOR AS PAVEMENT PATCHING, TYPE I, 12".



FRENCH DRAIN DETAIL

FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PATCHING AND FRENCH DRAINS
IL 177 OVER I-64**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	21
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

NOTES:

SHOP DRAWINGS FOR THE BOX CULVERT END SECTIONS AND PIPE GRATE SHALL BE SUBMITTED IN ACCORDANCE WITH ARTICLE 1042.03 OF THE STANDARD SPECIFICATIONS. EXAMPLE DETAILS SHOWN ON SHEETS NO. 38 AND 39 SHALL BE MODIFIED AS NECESSARY TO FIT THE EXISTING 10' X 3' BOX CULVERT WITH DEPARTMENT APPROVAL.

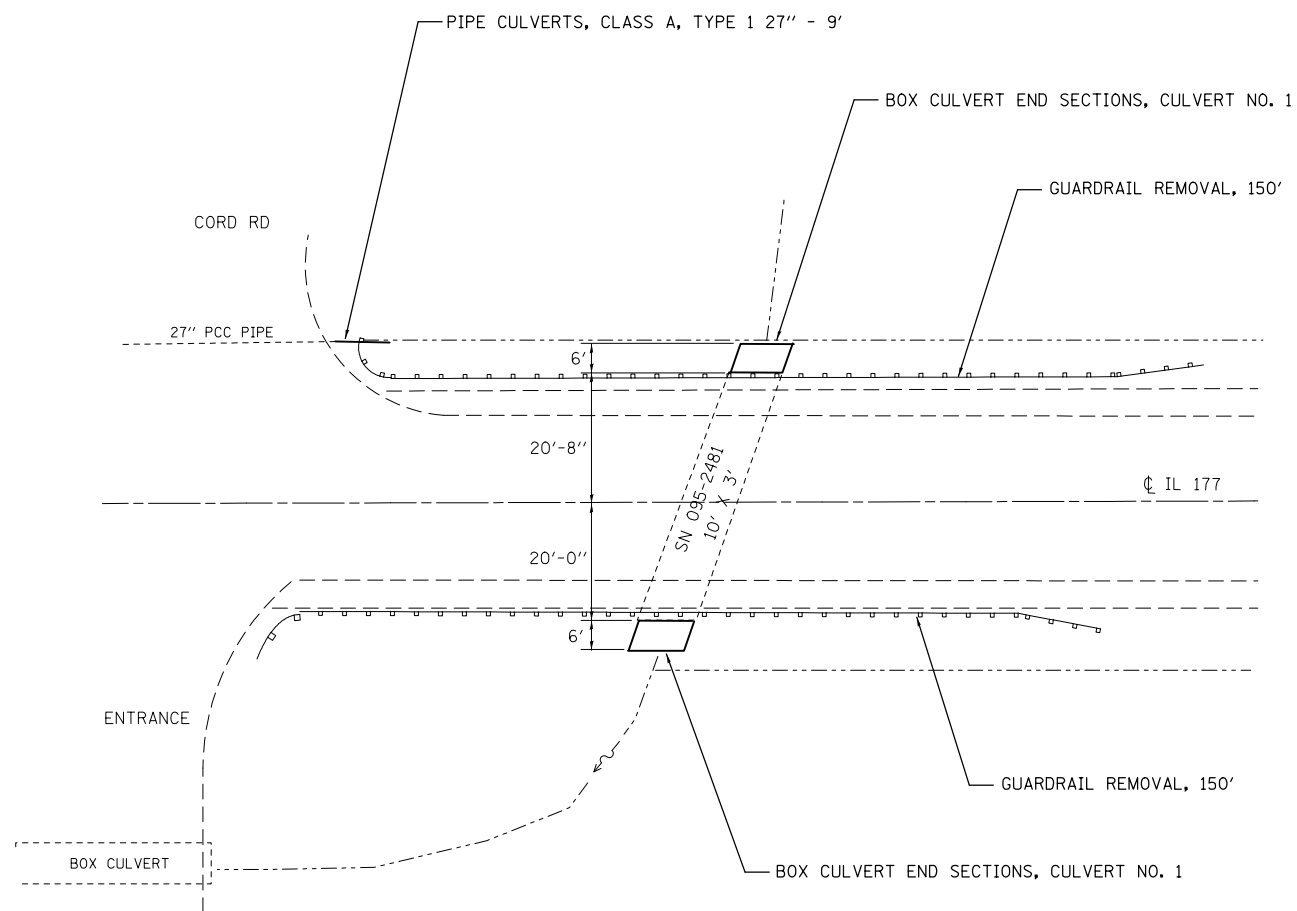
DETAILS FOR THE CONCRETE COLLAR ARE LOCATED ON SHEET NO. 37.

MODIFICATIONS TO THE EXISTING CULVERT (HEADWALL REMOVAL, WINGWALL REMOVAL, REPAIRS, ETC.) AS NEEDED FOR INSTALLATION OF THE PROPOSED BOX CULVERT END SECTIONS SHALL BE INCLUDED IN THE COST OF BOX CULVERT END SECTIONS, CULVERT NO. 1. ANY REGRADING OF THE DITCH LINE NECESSARY TO INSURE ADEQUATE FLOW TO THE BOX CULVERT SHALL ALSO BE INCLUDED IN THIS WORK.

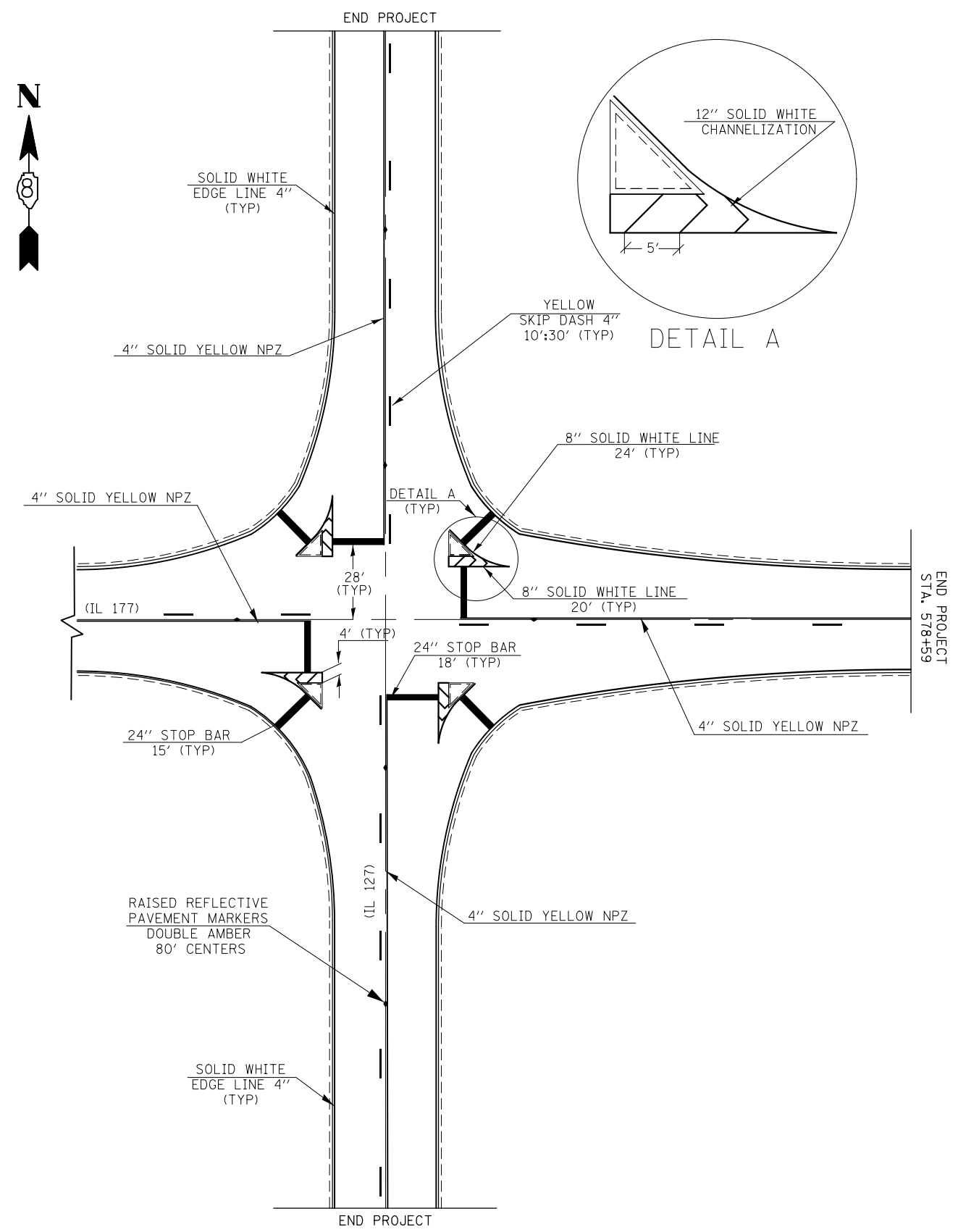
A MINIMUM OF 6" OF POROUS GRANULAR MATERIAL SHALL BE PLACED BENEATH THE PROPOSED END SECTIONS AS DESCRIBED IN SECTION 540 OF THE STANDARD SPECIFICATIONS. THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE COST OF BOX CULVERT END SECTIONS, CULVERT NO. 1.

FURNISHED EXCAVATION WILL BE NEEDED AT THE COMPLETED END SECTIONS FOR COVER AND TO BLEND INTO THE EXISTING FRONT SLOPE FOR A FINISHED GRADE OF 1:3 OR FLATTER.

FURNISHED EXCAVATION WILL ALSO BE NEEDED AS FILL OVER THE PROPOSED PIPE CULVERTS, CLASS A, TYPE 1 27". THE FILL SHALL BE COMPACTED TO PROVIDE A 2' WIDE EARTH SHOULDER AROUND THE RADIUS OF CORD ROAD AND A 1:3 SIDE SLOPE TO THE TOP OF THE PIPE.



**PROPOSED BOX CULVERT END SECTIONS AT SN 095-2481
STA. 190+62**



**EXISTING PAVEMENT MARKING AT THE IL 177/IL 127 INTERSECTION
(TAKEN FROM 2009 RESURFACING PLANS - FOR INFORMATION ONLY)**

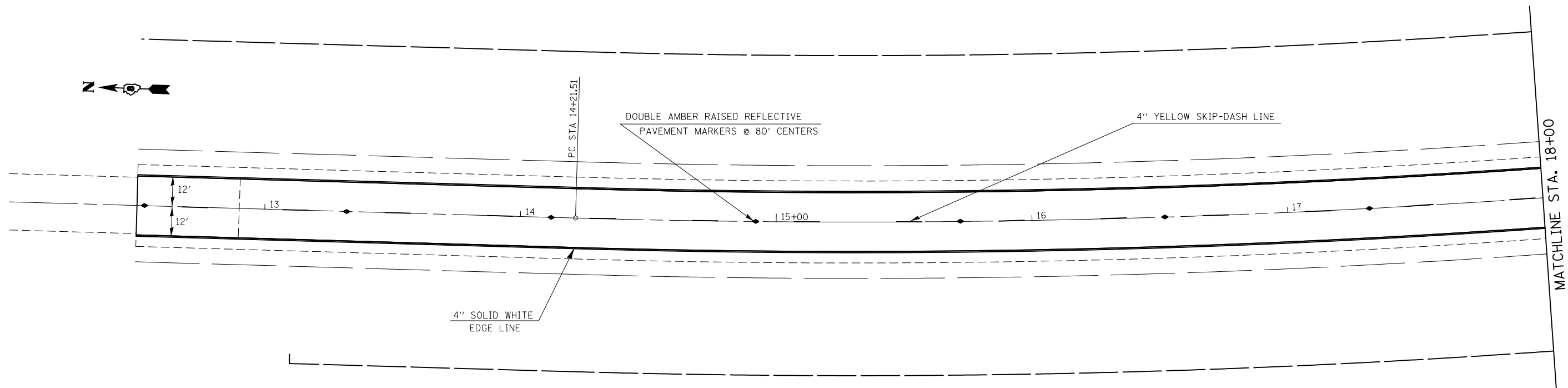
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT END SECTION AND PAVEMENT MARKING DETAILS
LOCATION NO. 1**

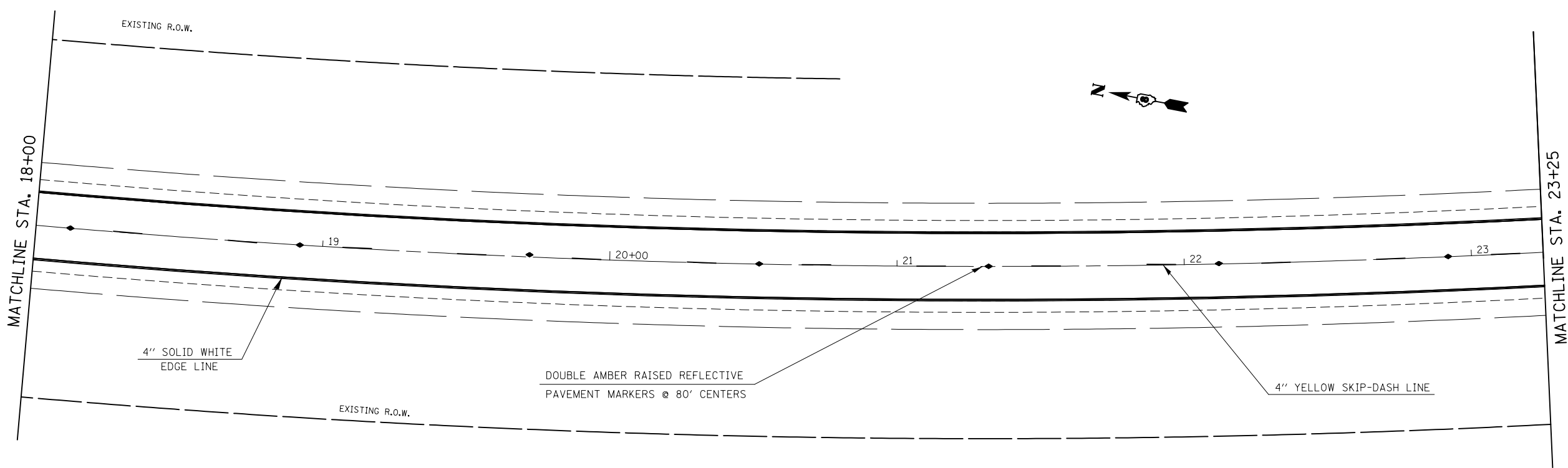
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	22
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



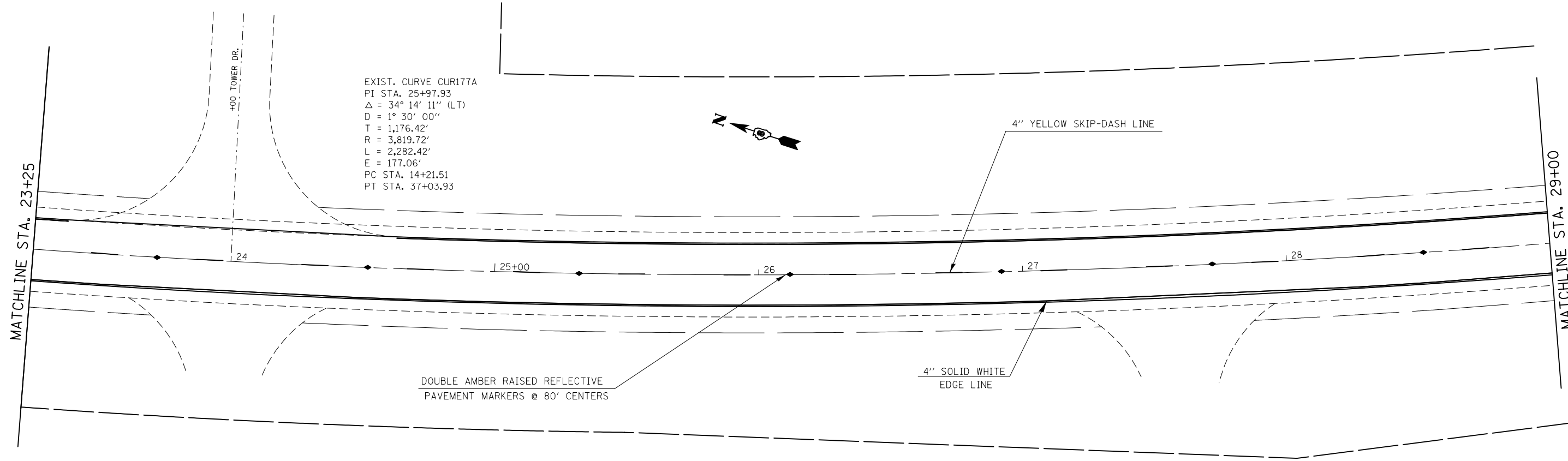
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PAVEMENT MARKING
WEST OF I-64 TO 0.61 MI. EAST OF I-64**

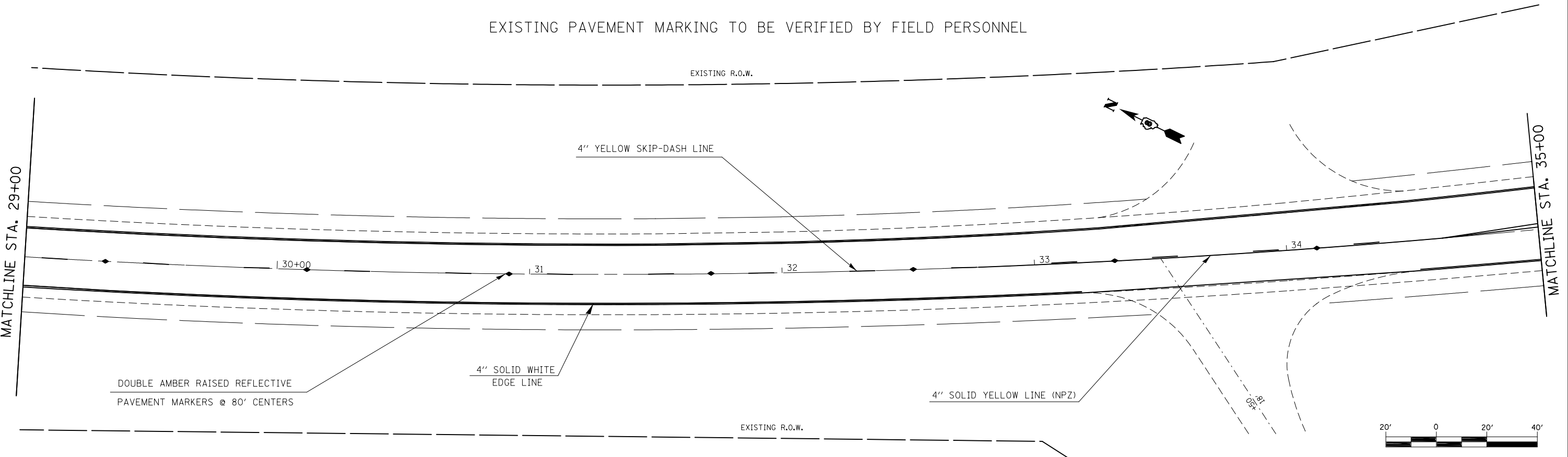
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	23
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



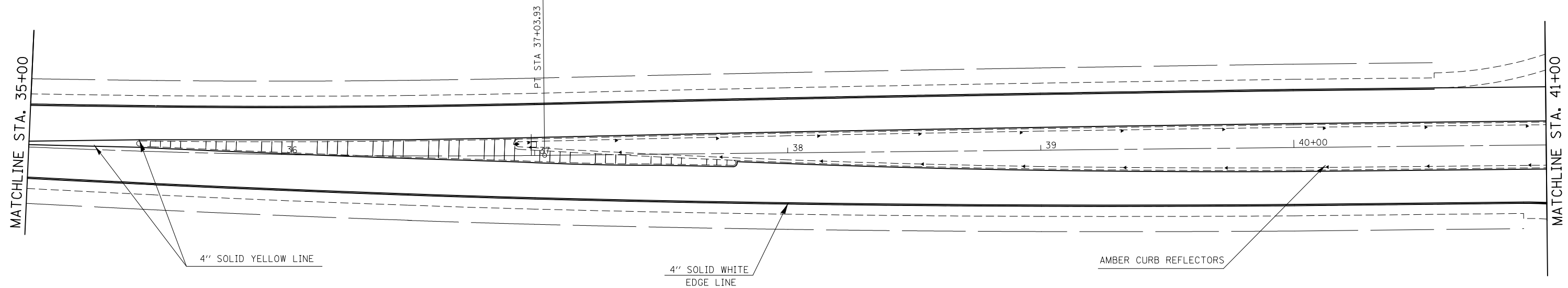
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PAVEMENT MARKING
WEST OF I-64 TO 0.61 MI. EAST OF I-64**

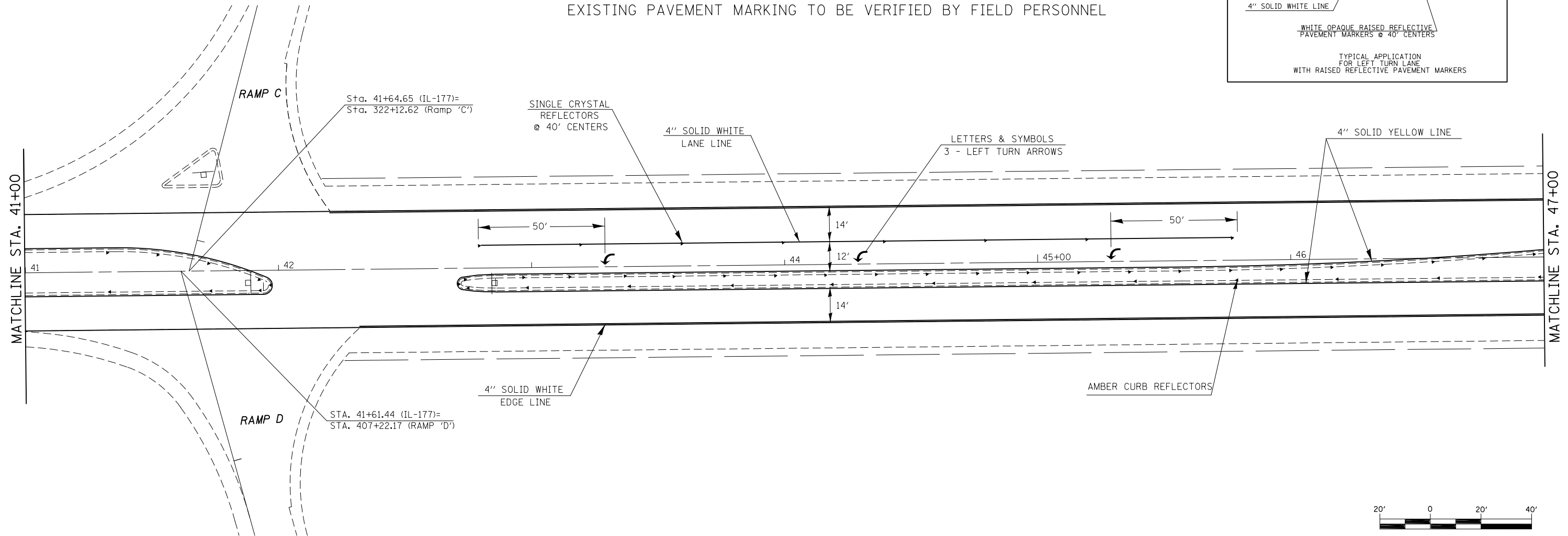
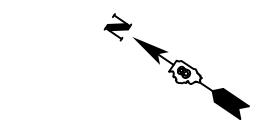
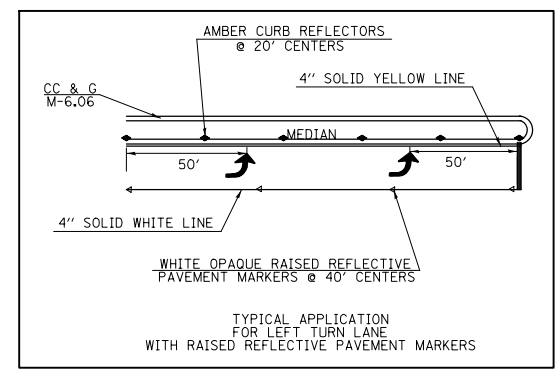
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• FAP 690/FAS 819/FAP 322	(109,110)RS-1, 31-2RS	WASHINGTON	40	24
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76G61		



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



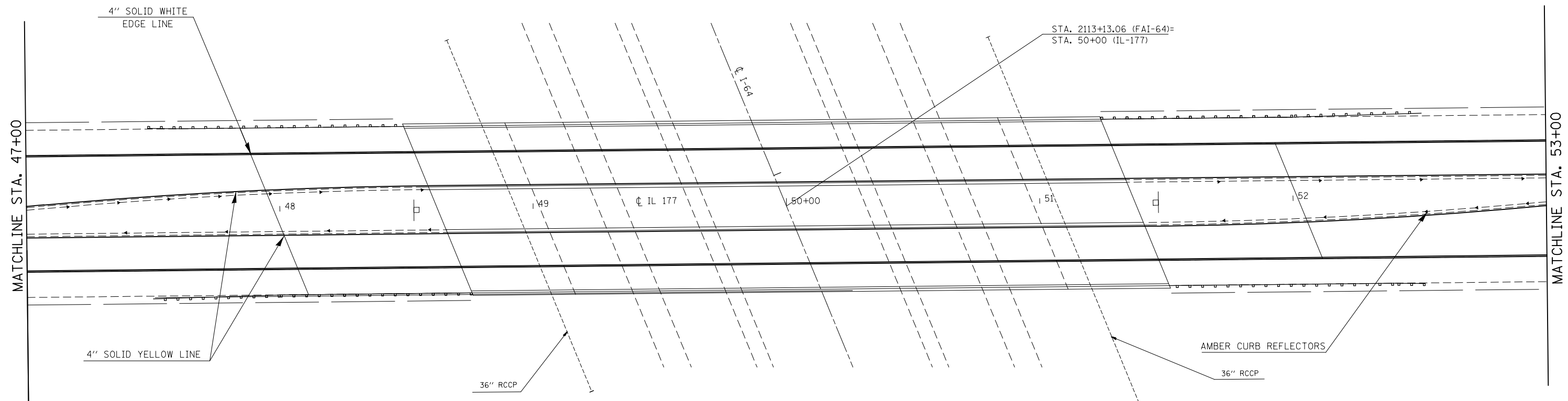
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKING
WEST OF I-64 TO 0.61 MI. EAST OF I-64

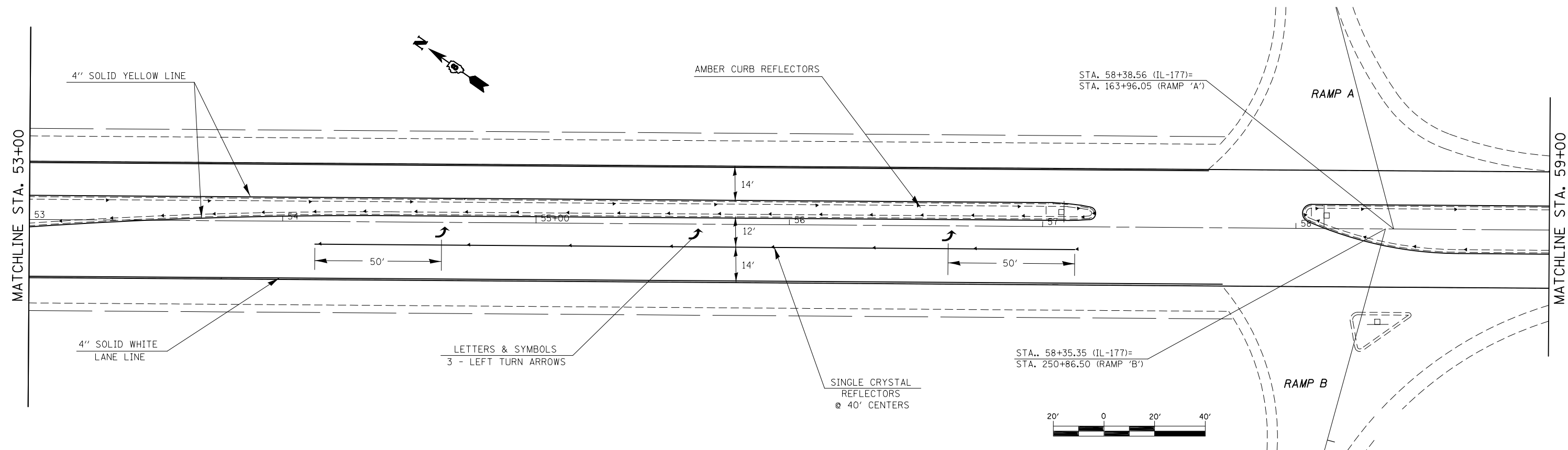
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	25
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



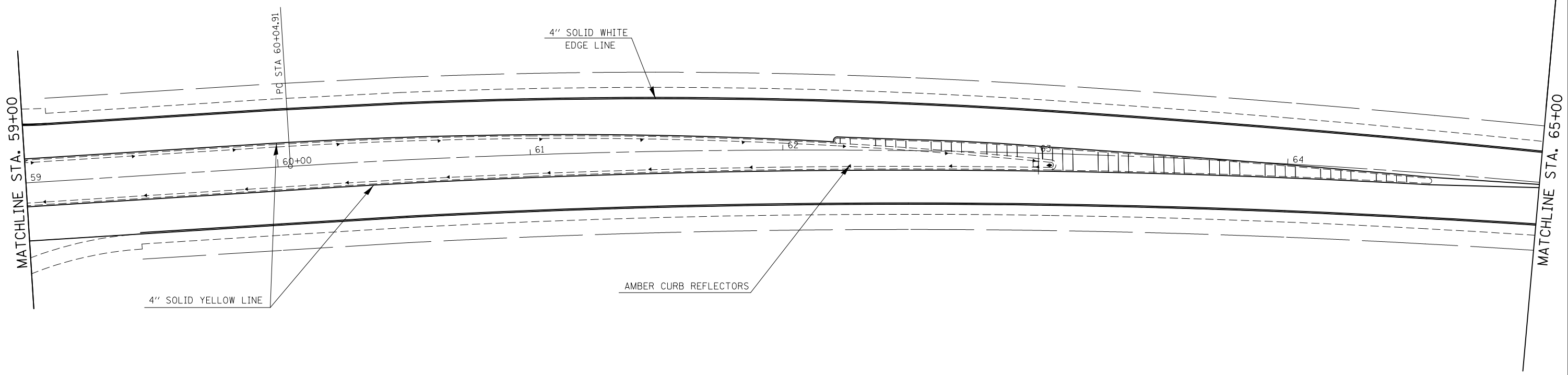
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKING
WEST OF I-64 TO 0.61 MI. EAST OF I-64

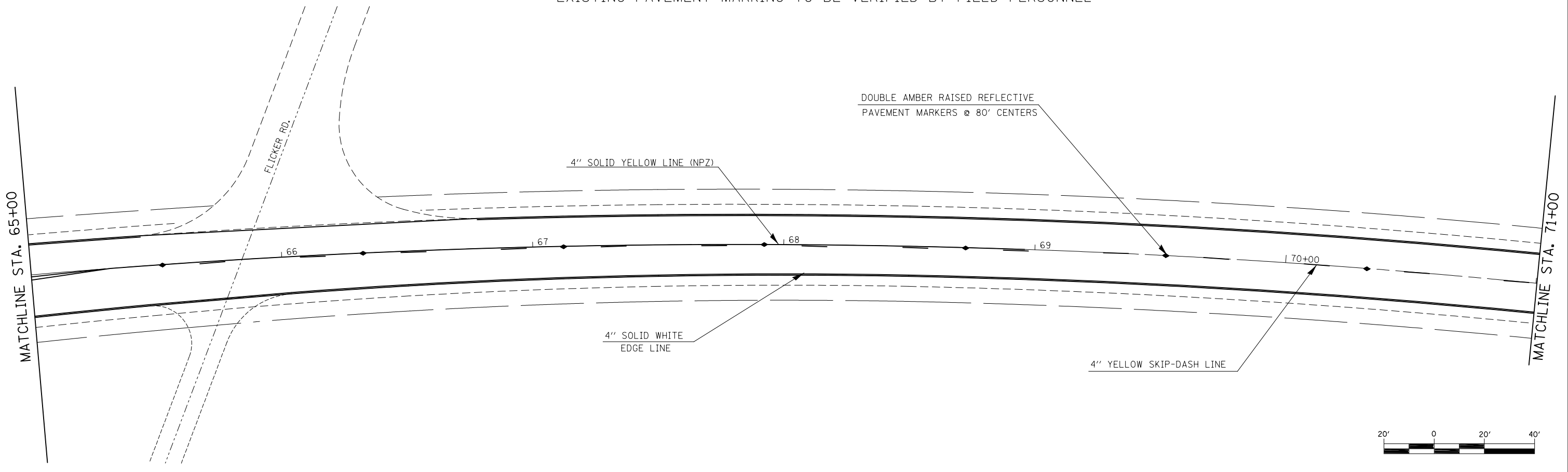
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	26
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



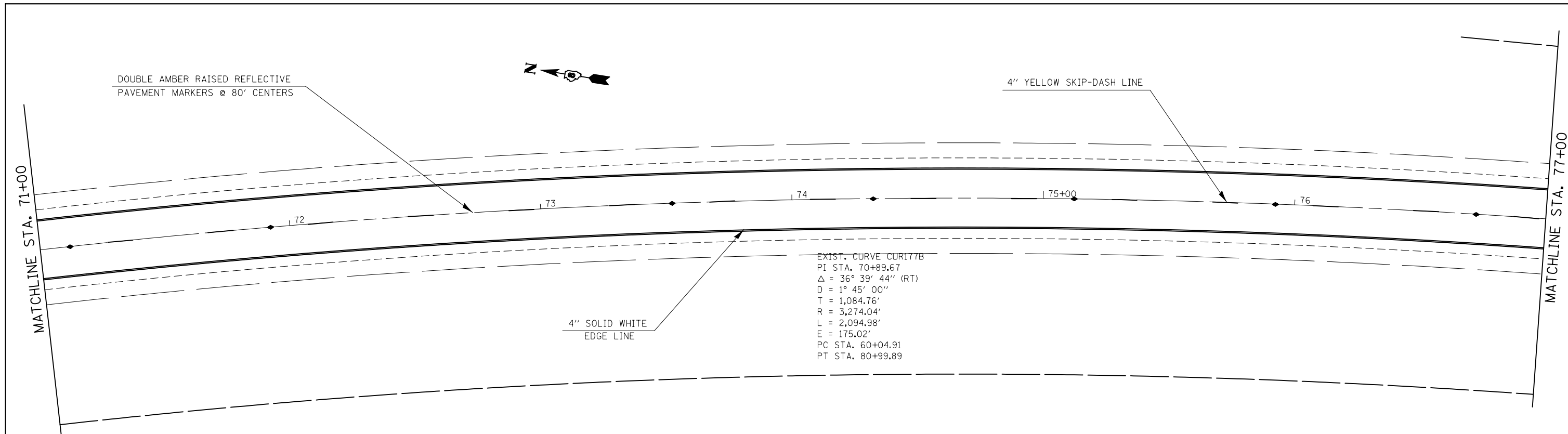
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PAVEMENT MARKING
WEST OF I-64 TO 0.61 MI. EAST OF I-64**

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

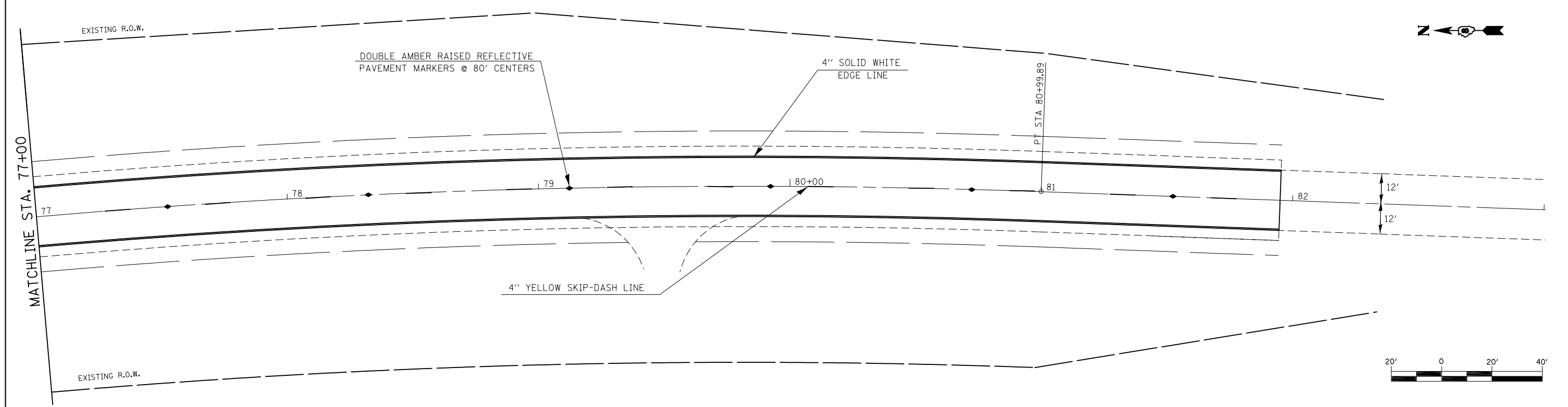
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	27
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXIST. CURVE CUR177B
 PI STA. 70+89.67
 $\Delta = 36^\circ 39' 44''$ (RT)
 $D = 1^\circ 45' 00''$
 $T = 1,084.76'$
 $R = 3,274.04'$
 $L = 2,094.98'$
 $E = 175.02'$
 PC STA. 60+04.91
 PT STA. 80+99.89

FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL



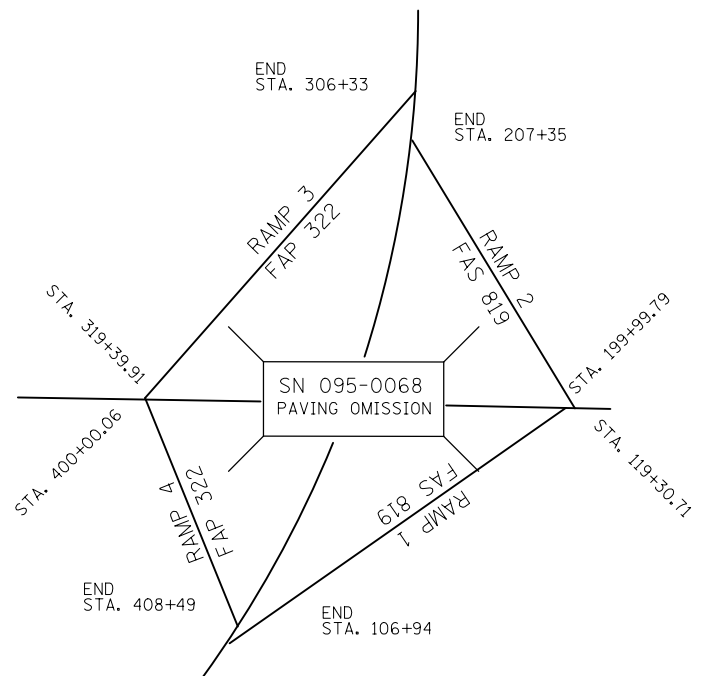
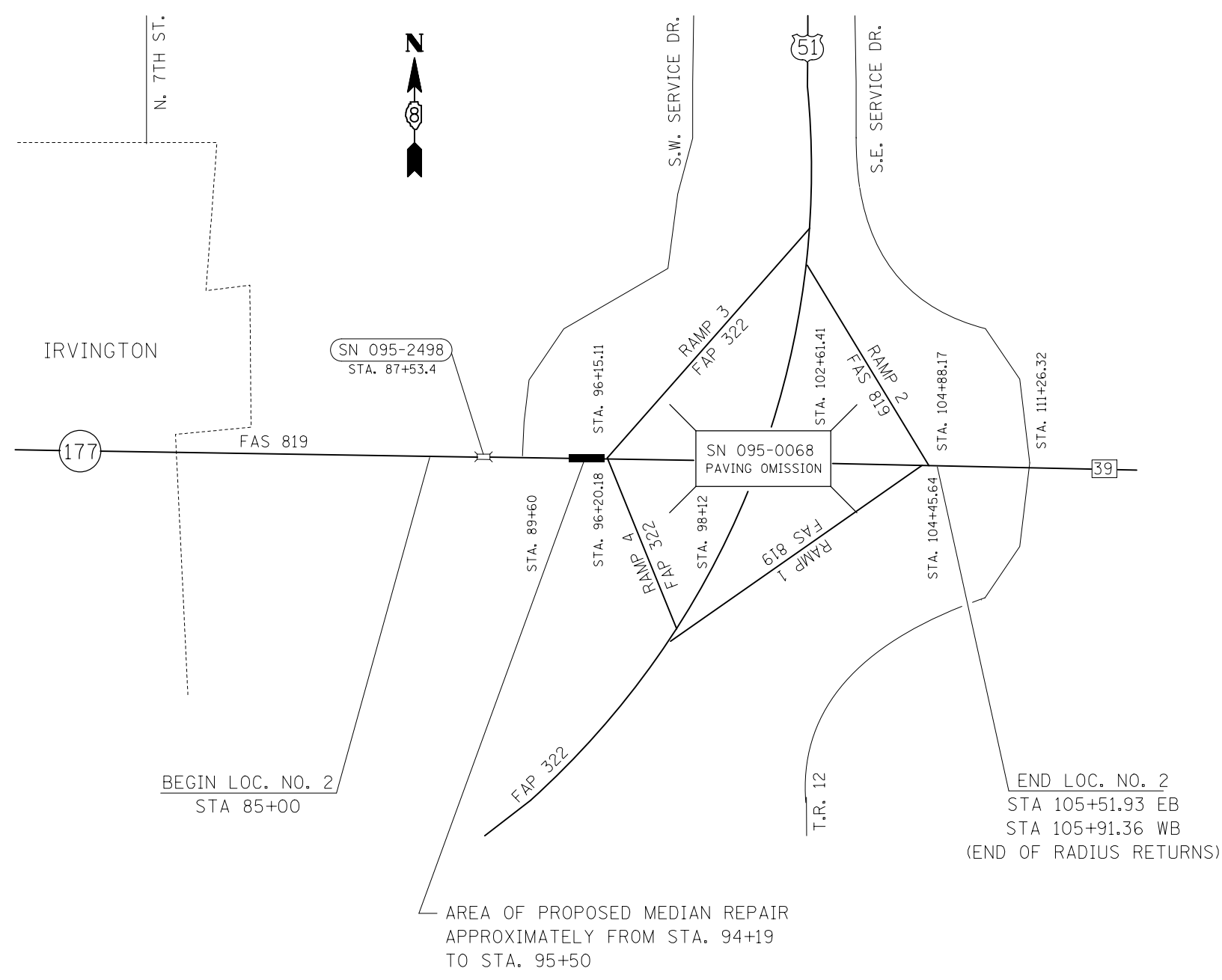
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	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING PAVEMENT MARKING
 WEST OF I-64 TO 0.61 MI. EAST OF I-64**

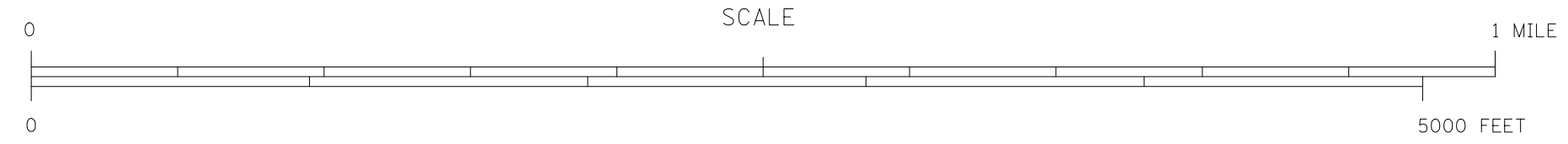
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	28
*FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

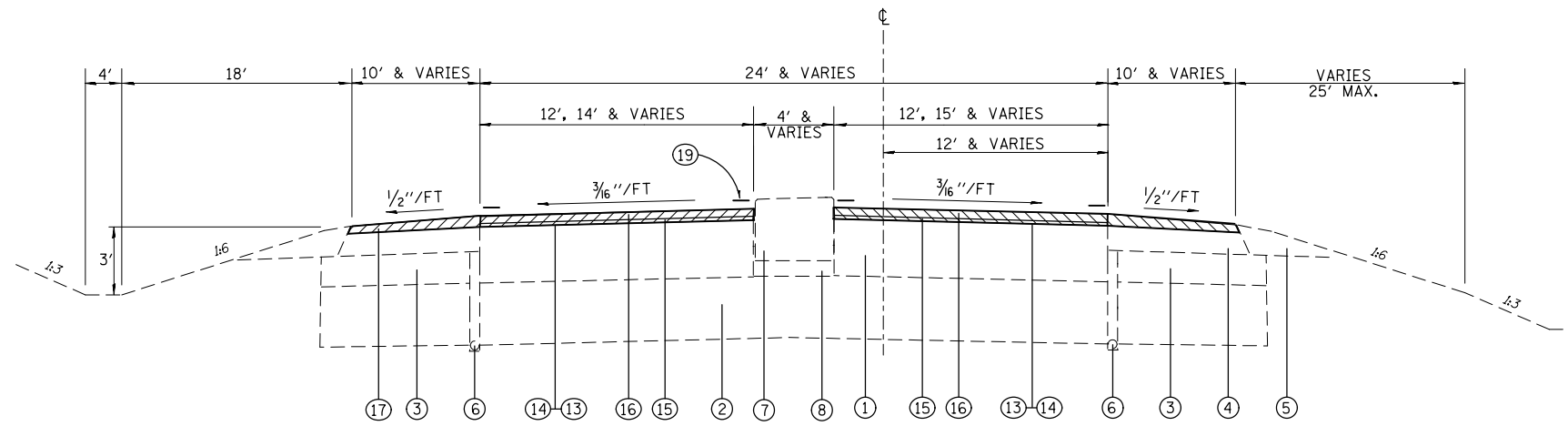


LIMITS OF RAMP RESURFACING
LIMITS ARE AT THE EXISTING JOINTS
AT END STATIONS SHOWN ABOVE.

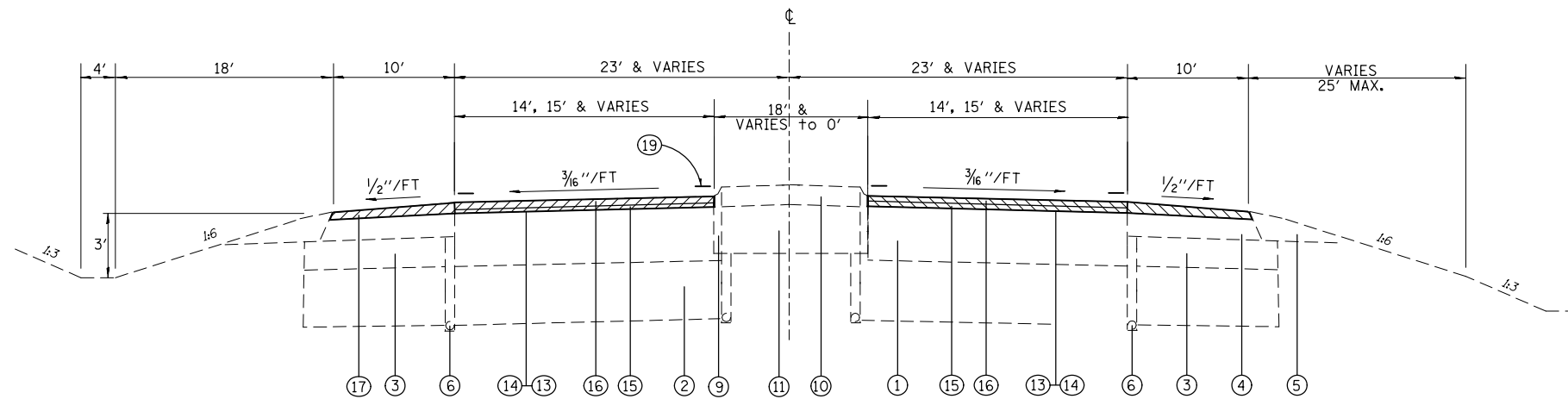
NOTE: SN 095-2498 IS INCLUDED IN THE MILLING AND RESURFACING OPERATIONS. SN 095-0068 AND APPROACH PAVEMENTS SHALL BE OMITTED FROM RESURFACING.



FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LAYOUT LOCATION NO. 2 - IL 177/US 51 INTERCHANGE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\m\lscmr\d0345201\d876	61-sht-pln.dgn	DRAWN -	REVISED -		•	(109,110)RS-1, 31-2RS	WASHINGTON	40	29			
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61					
	PLOT DATE = 2/6/2014	DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT					



TYPICAL SECTION
STA. 85+50 TO STA. 91+07.67 CL IL 177



TYPICAL SECTION
STA. 91+07.67 TO STA. 92+85 CL IL 177
NOTE: THERE IS A MILLING DEPTH TRANSITION FROM
STA. 92+85 TO STA. 93+00.

LEGEND

- ① EXISTING HMA PAVEMENT (FULL DEPTH), TYPE 2, 13 3/4"
- ② EXISTING LIME MODIFIED SOIL, 12"
- ③ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C OR LIME MODIFIED SOIL
- ④ EXISTING HMA SHOULDERS, 8"
- ⑤ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑥ EXISTING PIPE UNDERDRAIN 4"
- ⑦ EXISTING CORRUGATED MEDIAN
- ⑧ EXISTING P.C.C. OR HMA
- ⑨ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06
- ⑩ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑪ EXISTING SAND FILL
- ⑫ EXISTING CONCRETE MEDIAN, TYPE SM-4.06
- ⑬ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ PROPOSED AGGREGATE (PRIME COAT)
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑯ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑰ PROPOSED HMA SHOULDERS (2 1/4" TYPICAL)
- ⑱ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑲ PROPOSED PAVEMENT MARKING
- ⑳ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



HMA SURFACE REMOVAL, 2 1/4" (THIS SHEET ONLY)

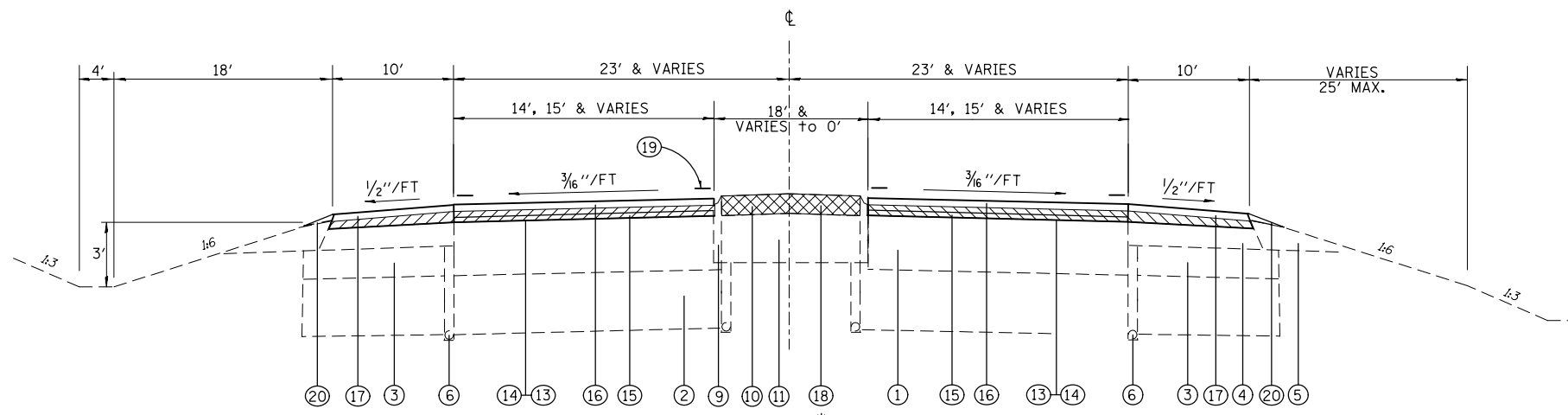
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

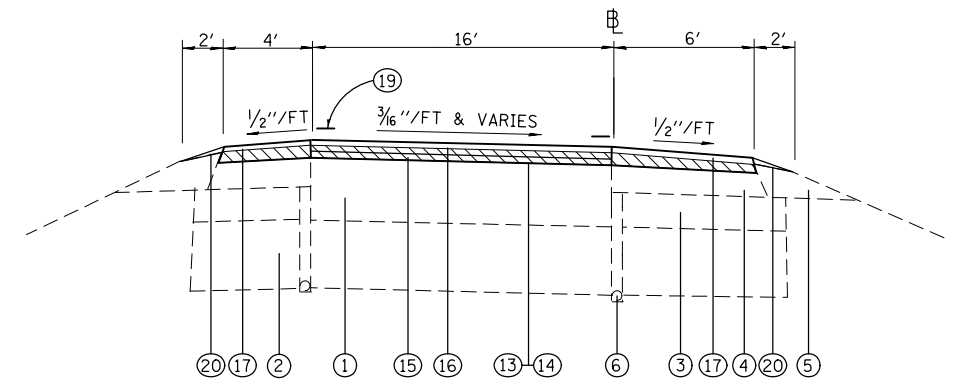
TYPICAL SECTIONS
LOCATION NO. 2 - IL 177/US 51 INTERCHANGE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	30
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL SECTION
 STA. 92+85 TO STA. 96+44.32 CL IL 177
 STA. 104+35.95 TO STA. 105+51.93 EB CL CH 39
 STA. 104+35.95 TO STA. 105+91.36 WB CL CH 39

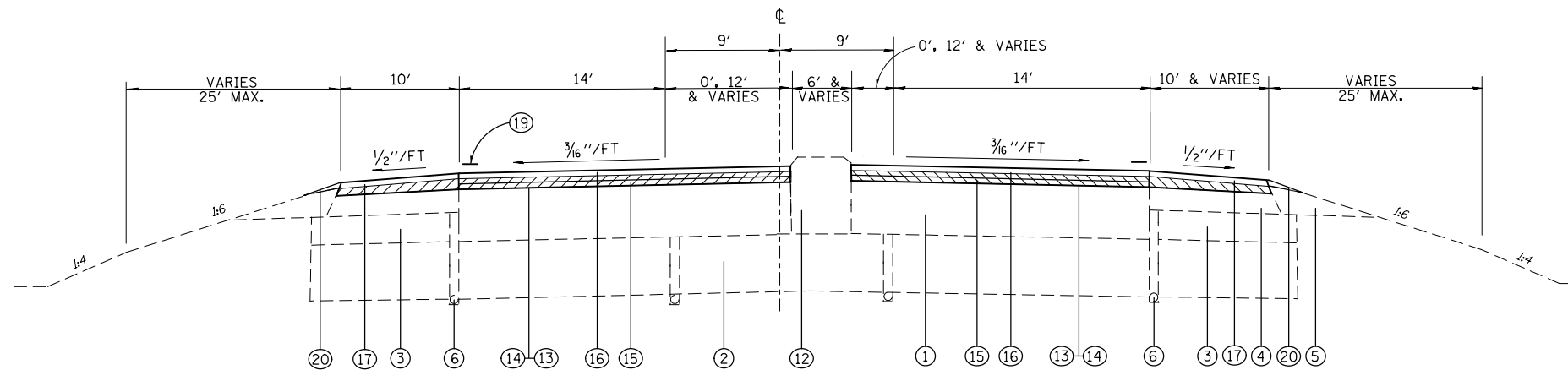


TYPICAL RAMP SECTION
 RAMP 1 STA. 106+94 TO STA. 119+30.71
 RAMP 2 STA. 199+99.79 TO STA. 207+35
 RAMP 3 STA. 306+33 TO STA. 319+39.91
 RAMP 4 STA. 400+00.06 TO STA. 408+49

LEGEND

- ① EXISTING HMA PAVEMENT (FULL DEPTH), TYPE 2, 13 3/4"
- ② EXISTING LIME MODIFIED SOIL, 12"
- ③ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C OR LIME MODIFIED SOIL
- ④ EXISTING HMA SHOULDERS, 8"
- ⑤ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑥ EXISTING PIPE UNDERDRAIN 4"
- ⑦ EXISTING CORRUGATED MEDIAN
- ⑧ EXISTING P.C.C. OR HMA
- ⑨ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06
- ⑩ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑪ EXISTING SAND FILL
- ⑫ EXISTING CONCRETE MEDIAN, TYPE SM-4.06
- ⑬ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑭ PROPOSED AGGREGATE (PRIME COAT)
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70 - 3/4"
- ⑯ PROPOSED HMA SURFACE COURSE, MIX "C", N70 - 1 1/2"
- ⑰ PROPOSED HMA SHOULDERS (2 1/4" TYPICAL)
- ⑱ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ⑲ PROPOSED PAVEMENT MARKING
- ⑳ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

- HMA SURFACE REMOVAL, 1 1/2" (THIS SHEET)
- * CONCRETE MEDIAN SURFACE REMOVAL
- FROM APPROXIMATE STA. 94+19 TO STA. 95+50



TYPICAL SECTION
 STA. 96+44.32 TO STA. 98+12 CL IL 177
 STA. 102+61.41 TO STA. 104+35.95 CL CH 39

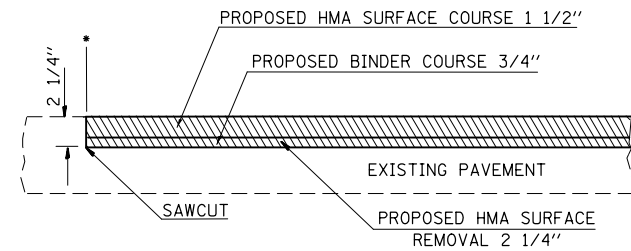
NOTE: SN 095-0068 AND APPROACHES (STA. 98+12 TO STA. 102+61.41) SHALL BE OMITTED FROM RESURFACING OPERATIONS.

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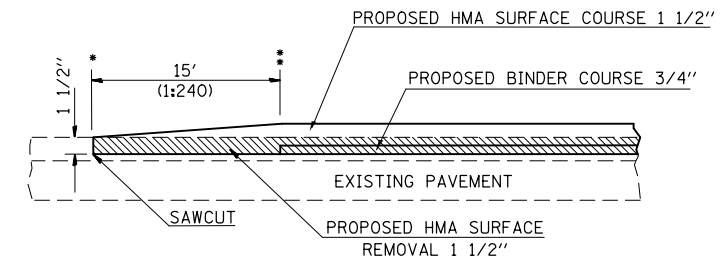
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
LOCATION NO. 2 - IL 177/US 51 INTERCHANGE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	31
	*FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



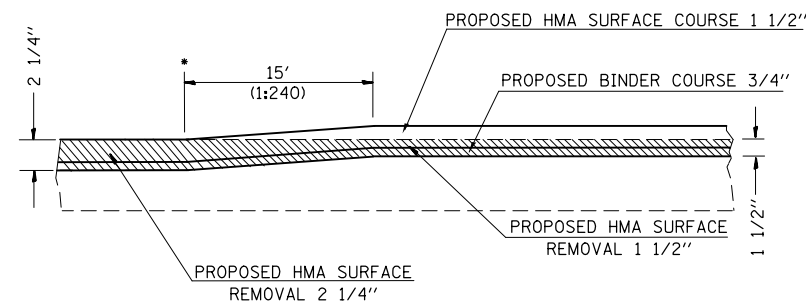
RESURFACING DETAIL WEST END OF LOCATION NO. 2
 *STA. 85+00 (EXISTING JOINT)



RESURFACING TRANSITIONS AT SN 095-0068,
 EAST END OF LOCATION NO. 2, AND END OF RAMPS

- *STA. 98+12 (WEST BRIDGE APPROACH)
- *STA. 102+61.41 (EAST BRIDGE APPROACH)

- **STA. 105+51.93 EB (CH 39)
- **STA. 105+91.36 WB (CH 39)
- **EXISTING JOINT AT ENDS OF RAMPS



TRANSITIONING DETAIL STA. 92+85 TO STA. 93+00
 *STA. 92+85

NOTES:

ALL SAWCUTS AND MILLING DEPTH TRANSITIONS SHALL BE INCLUDED IN THE COST OF THE SURFACE REMOVAL PAY ITEMS.

DO NOT CUT OR MILL BRIDGE APPROACH PAVEMENTS.

PAVING TRANSITIONS SHALL ALSO APPLY TO THE RESURFACING OF ADJACENT SHOULDERS.

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	PLOT DATE = 2/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RESURFACING DETAILS LOCATION NO. 2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	32
	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

NOTES:

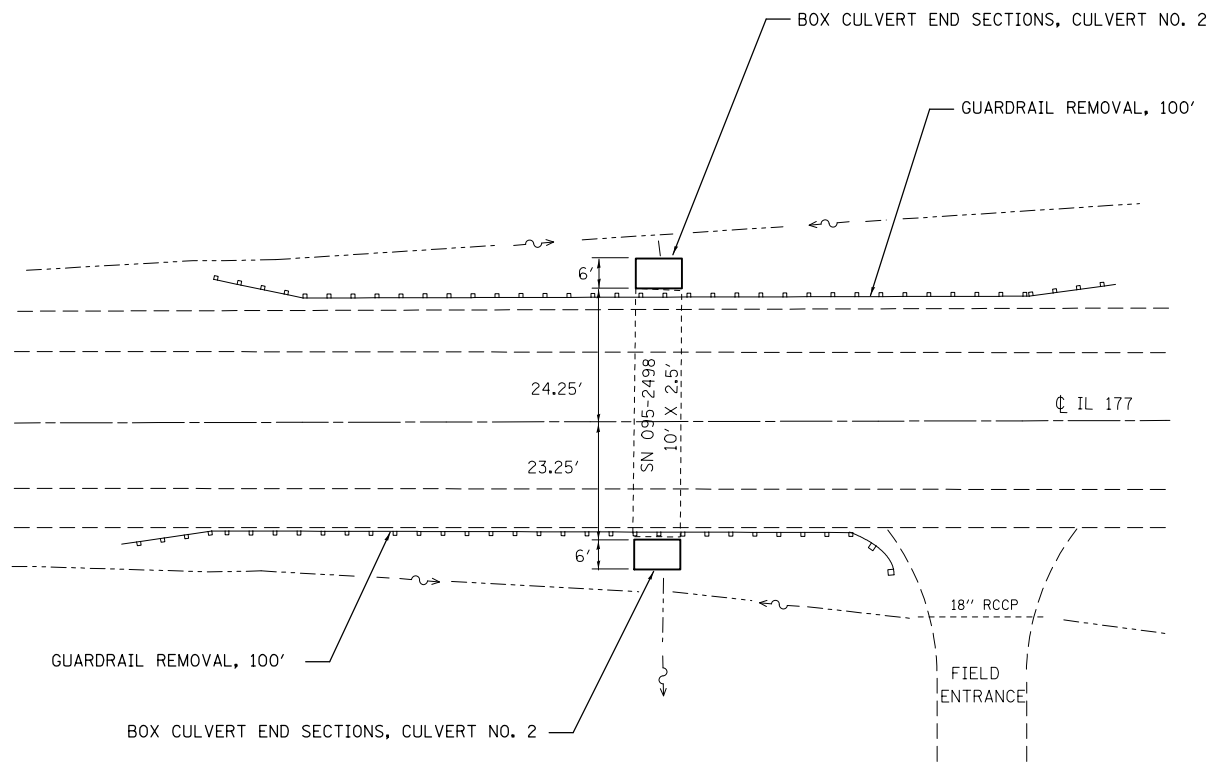
SHOP DRAWINGS FOR THE BOX CULVERT END SECTIONS AND PIPE GRATE SHALL BE SUBMITTED IN ACCORDANCE WITH ARTICLE 1042.03 OF THE STANDARD SPECIFICATIONS. EXAMPLE DETAILS SHOWN ON SHEETS NO. 38 AND 39 SHALL BE MODIFIED AS NECESSARY TO FIT THE EXISTING 10' X 2.5' BOX CULVERT WITH DEPARTMENT APPROVAL.

DETAILS FOR THE CONCRETE COLLAR ARE LOCATED ON SHEET NO. 37.

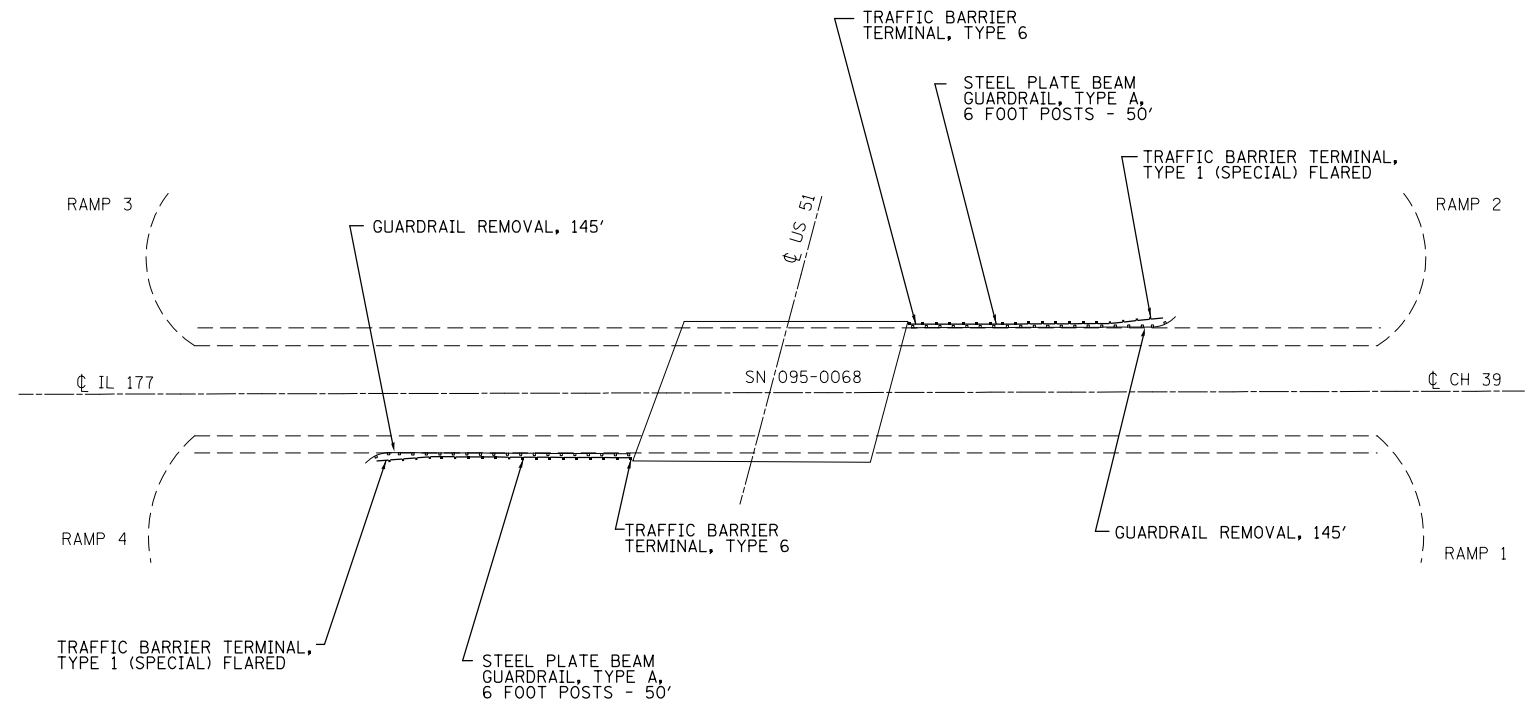
MODIFICATIONS TO THE EXISTING CULVERT (HEADWALL REMOVAL, WINGWALL REMOVAL, REPAIRS, ETC.) AS NEEDED FOR INSTALLATION OF THE PROPOSED BOX CULVERT END SECTIONS SHALL BE INCLUDED IN THE COST OF BOX CULVERT END SECTIONS, CULVERT NO. 1. ANY REGRADING OF THE DITCH LINE NECESSARY TO INSURE ADEQUATE FLOW TO THE BOX CULVERT SHALL ALSO BE INCLUDED IN THIS WORK.

A MINIMUM OF 6" OF POROUS GRANULAR MATERIAL SHALL BE PLACED BENEATH THE PROPOSED END SECTIONS AS DESCRIBED IN SECTION 540 OF THE STANDARD SPECIFICATIONS. THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE COST OF BOX CULVERT END SECTIONS, CULVERT NO. 1.

FURNISHED EXCAVATION WILL BE NEEDED AT THE COMPLETED END SECTIONS FOR COVER AND TO BLEND INTO THE EXISTING FRONT SLOPE FOR A FINISHED GRADE OF 1:3 OR FLATTER.



PROPOSED BOX CULVERT END SECTIONS AT SN 095-2498
STA. 87+53.4



GUARDRAIL AT SN 095-0068
IL 177 OVER US 51

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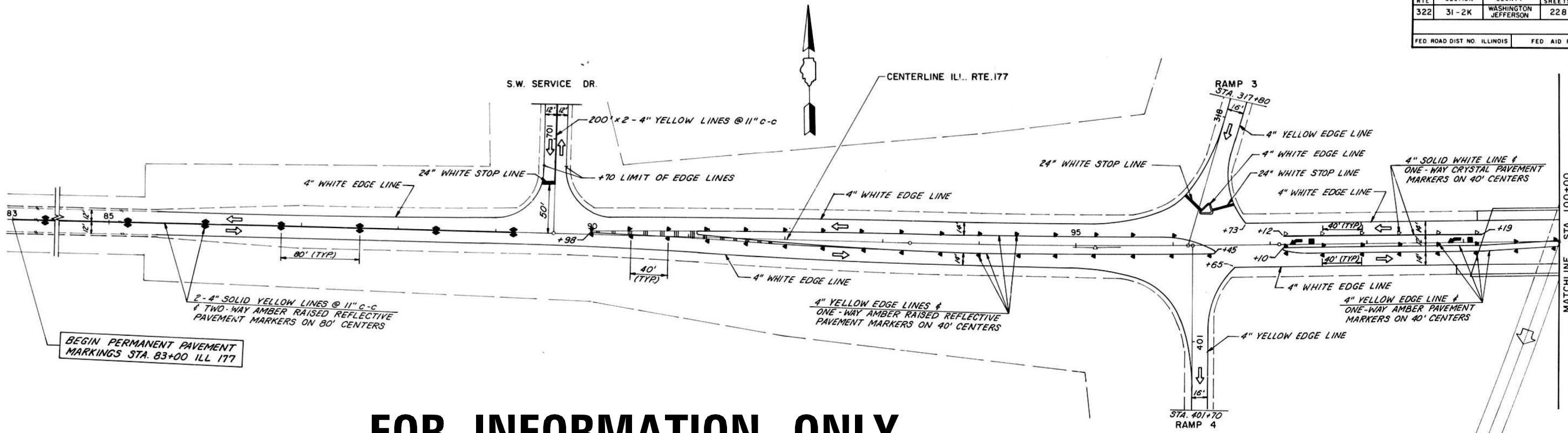
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION AND GUARDRAIL DETAILS
LOCATION NO. 2

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	33
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

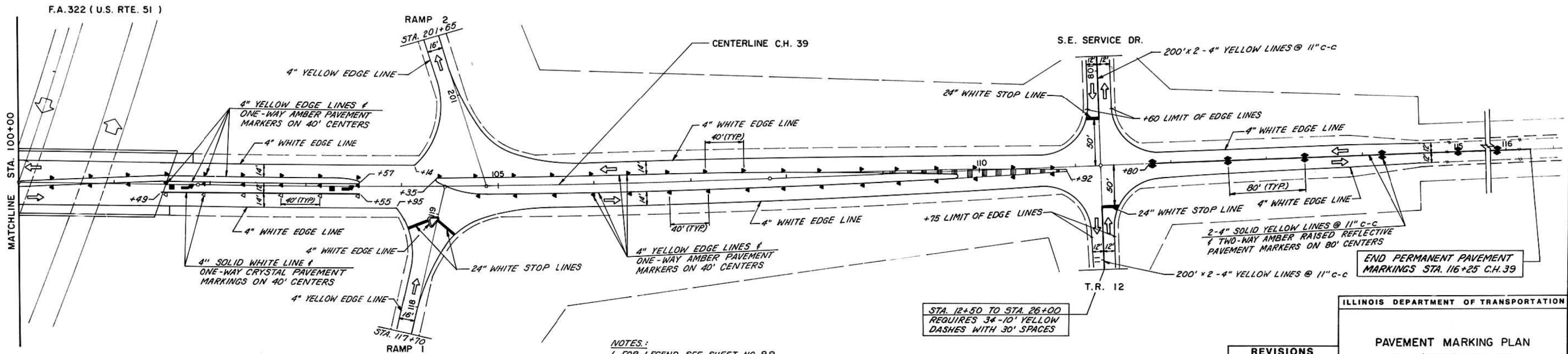
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	31-2K	WASHINGTON JEFFERSON	228	104
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL

F.A. 322 (U.S. RTE. 51)



- NOTES:**
1. FOR LEGEND SEE SHEET NO. 99.
 2. FOR CONTINUATION OF RAMP(S) PAVEMENT MARKINGS SEE SHEET NO. 100.
 3. MONODIRECTIONAL PRISMATIC BARRIER REFLECTORS WILL BE REQUIRED ON BRIDGE PARAPETS SPACED APPROXIMATELY 50' APART (12 REQUIRED).

STA. 12+50 TO STA. 26+00
REQUIRES 3'-10" YELLOW
DASHES WITH 30' SPACES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
ILL. 177 & C.H. 39

SCALE: 1" = 50' DRAWN BY: B.G.J.
DATE: CHECKED BY: E.J.M.

CHRISTIAN-ROGE & ASSOC.
CHICAGO ILLINOIS

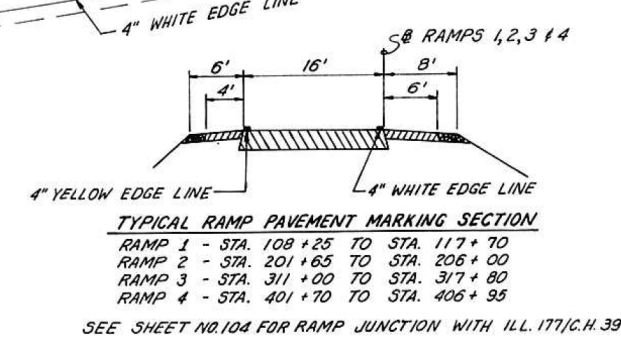
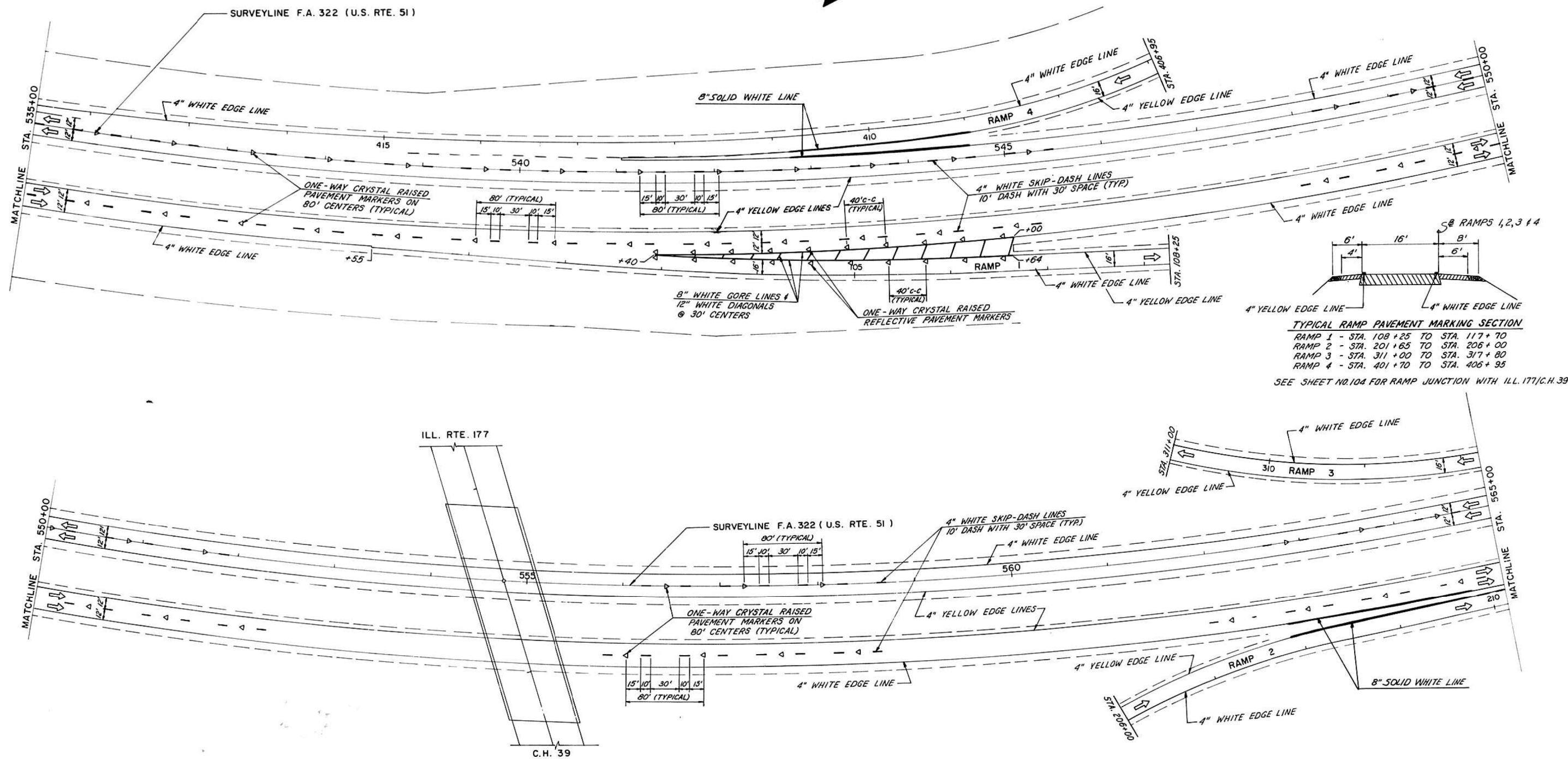
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKING				
ILL 177 OVER US 51				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	34
*FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	31-2K	WASHINGTON JEFFERSON	228	100
FED. ROAD DIST. NO. ILLINDIS			FED. AID PROJECT	



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL

NOTE:
FOR LEGEND SEE SHEET NO. 9.9.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
STA. 535+00 TO STA. 565+00

SCALE: 1" = 50' DRAWN BY: B.G.J.
DATE: CHECKED BY: E.J.M.

CHRISTIAN-ROGE & ASSOC.
CHICAGO ILLINOIS

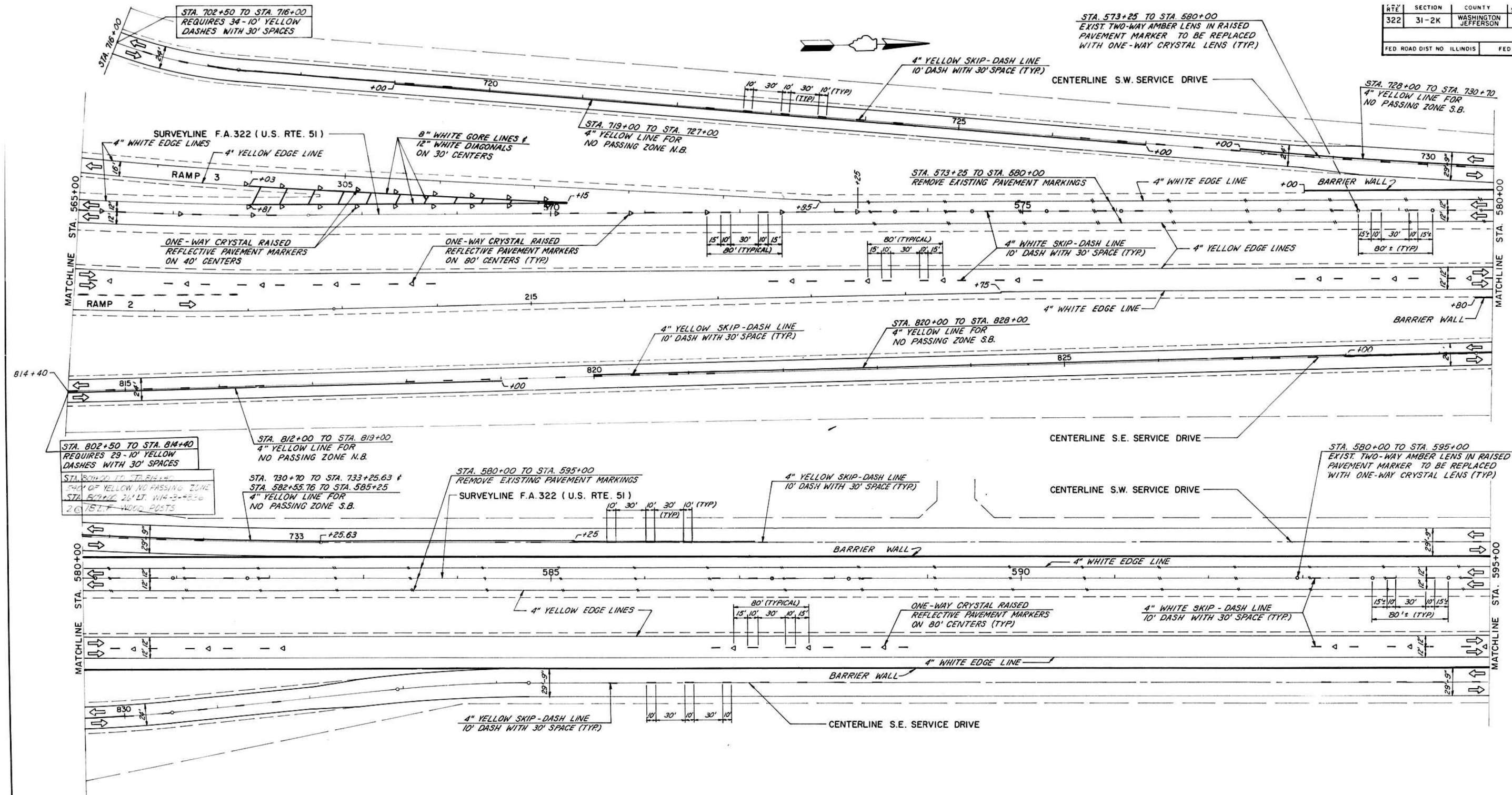
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKING				
ILL 177 OVER US 51				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	35
FAP 690/FAS 819/FAP 322			CONTRACT NO. 76G61	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

RTE	SECTION	COUNTY	SHEETS	SHEET NO.
322	31-2K	WASHINGTON JEFFERSON	228	101
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



FOR INFORMATION ONLY

EXISTING PAVEMENT MARKING TO BE VERIFIED BY FIELD PERSONNEL

- NOTES:**
- FOR LEGEND SEE SHEET NO. 99.
 - BIDIRECTIONAL PRISMATIC BARRIER REFLECTORS SHALL BE PLACED ON THE SERVICE DRIVE SIDE OF THE BARRIER WALL. MONODIRECTIONAL PRISMATIC BARRIER REFLECTORS SHALL BE PLACED ON THE F.A. 322 SIDE OF THE BARRIER WALL. THESE REFLECTORS SHALL BE PLACED AT 100' CENTERS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
STA. 565+00 TO STA. 595+00

SCALE: 1"=50' DRAWN BY: B.G.J.
DATE: CHECKED BY: E.J.M.

CHRISTIAN-ROGE & ASSOC.
CHICAGO ILLINOIS

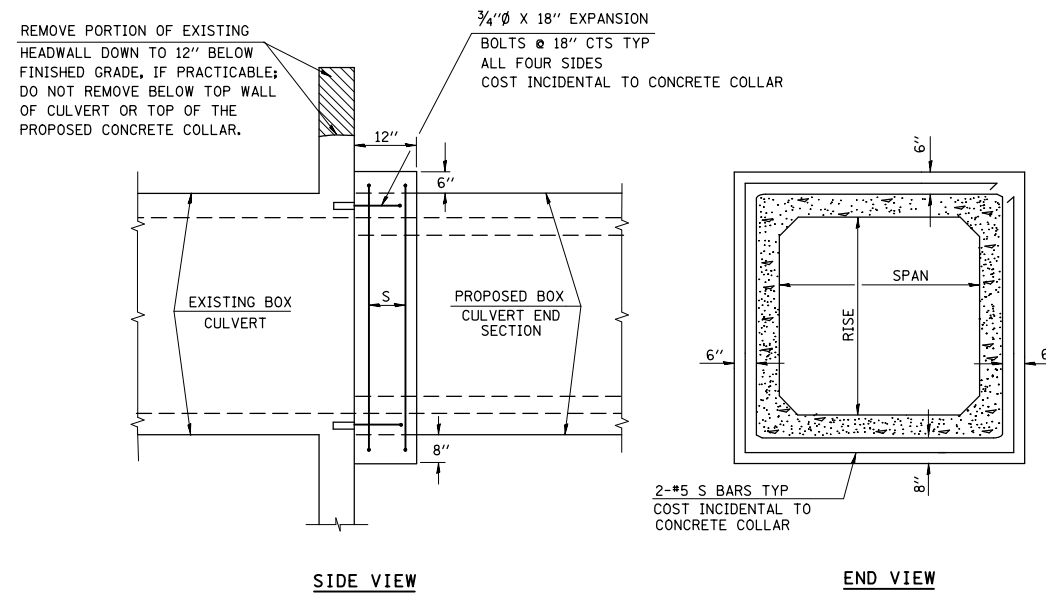
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT MARKING				
IL 177 OVER US 51				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(109,110)RS-1, 31-2RS	WASHINGTON	40	36
*FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

DETAILS OF CONCRETE COLLAR
FOR PRECAST BOX CULVERT END SECTION



SPAN X RISE	CL SI CONCRETE	
	CU. YD. (EST)	
10' X 2.5'	0.67	
10' X 3'	0.68	

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. AND SHALL INCLUDE ALL MATERIALS AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR FOR PRECAST BOX CULVERT END SECTION

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	37
•	FAP 690/FAS 819/FAP 322	CONTRACT NO. 76G61		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

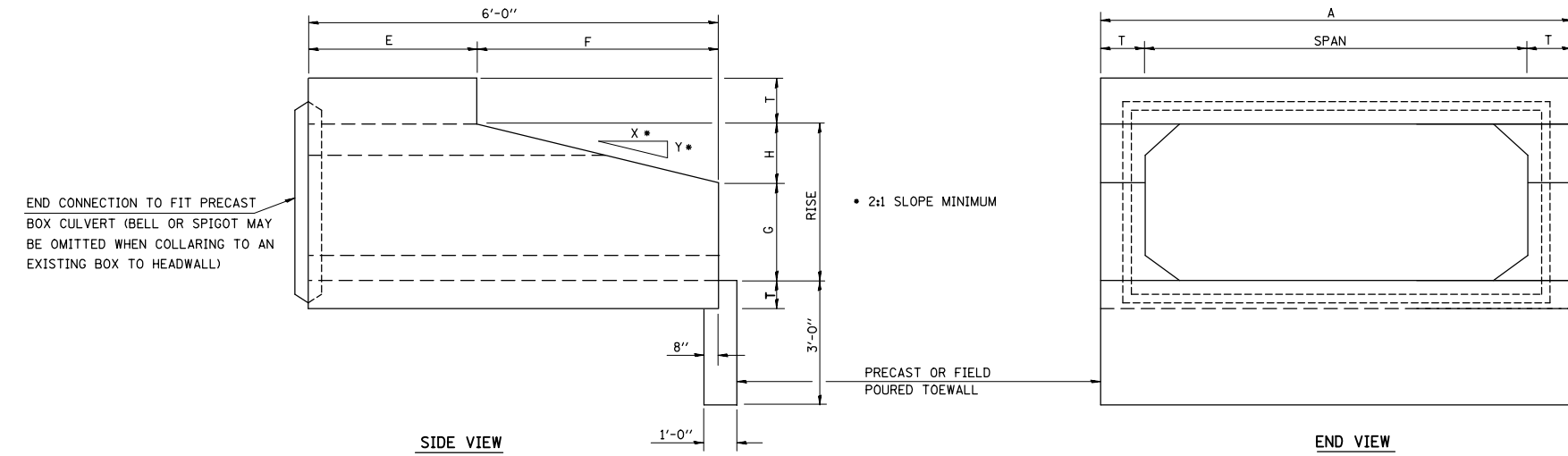
SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04 (A) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

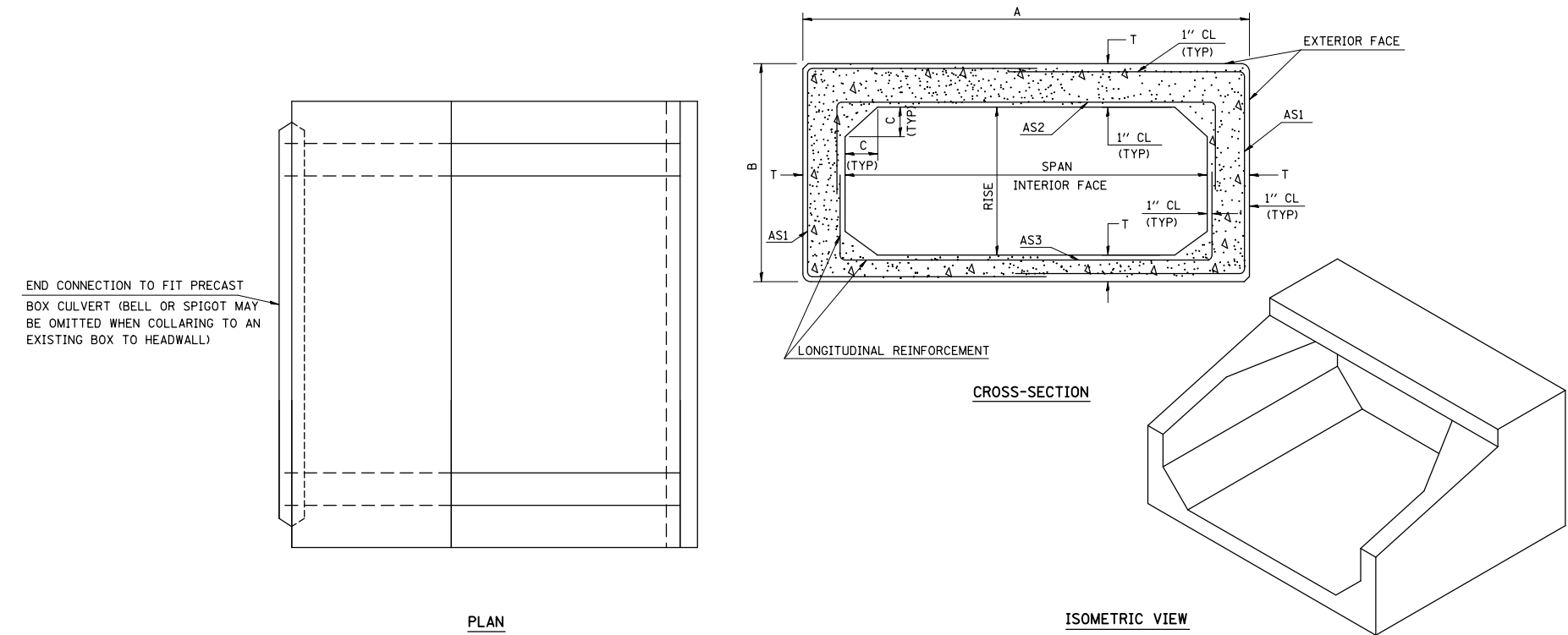
THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH ARTICLE 755.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS AS1, AS2, AS3 AND AS4 DENOTES THE REQUIRED STEEL AREAS FOR REINFORCEMENTS AS SPECIFIED IN ASTM C 789. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASTM SPECIFICATIONS A 185.

DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION



• NOTE: THE DIMENSIONS INDICATED ARE FOR END SECTIONS THAT ARE TO BE USED WITH PRECAST BOX CULVERT SECTIONS DESIGNED FOR 2' OR MORE OF FILL. THE DIMENSIONS MUST BE MODIFIED FOR THE END SECTION TO BE COMPATIBLE WITH PRECAST CULVERT SECTIONS DESIGNED FOR LESS THAN 2' OF FILL.

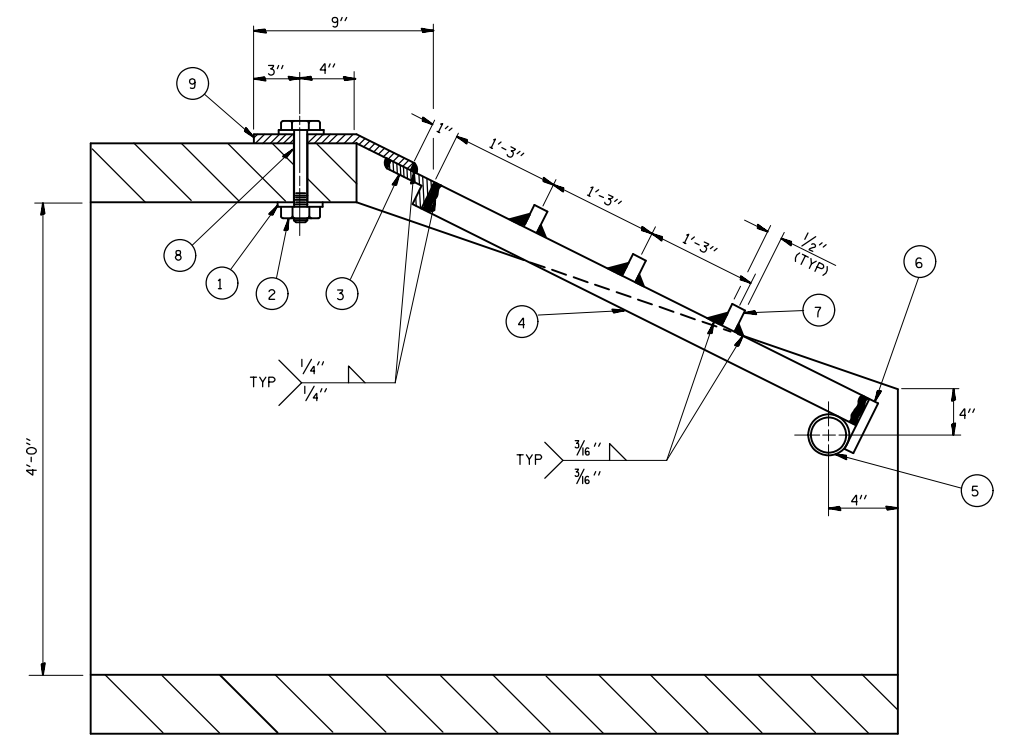
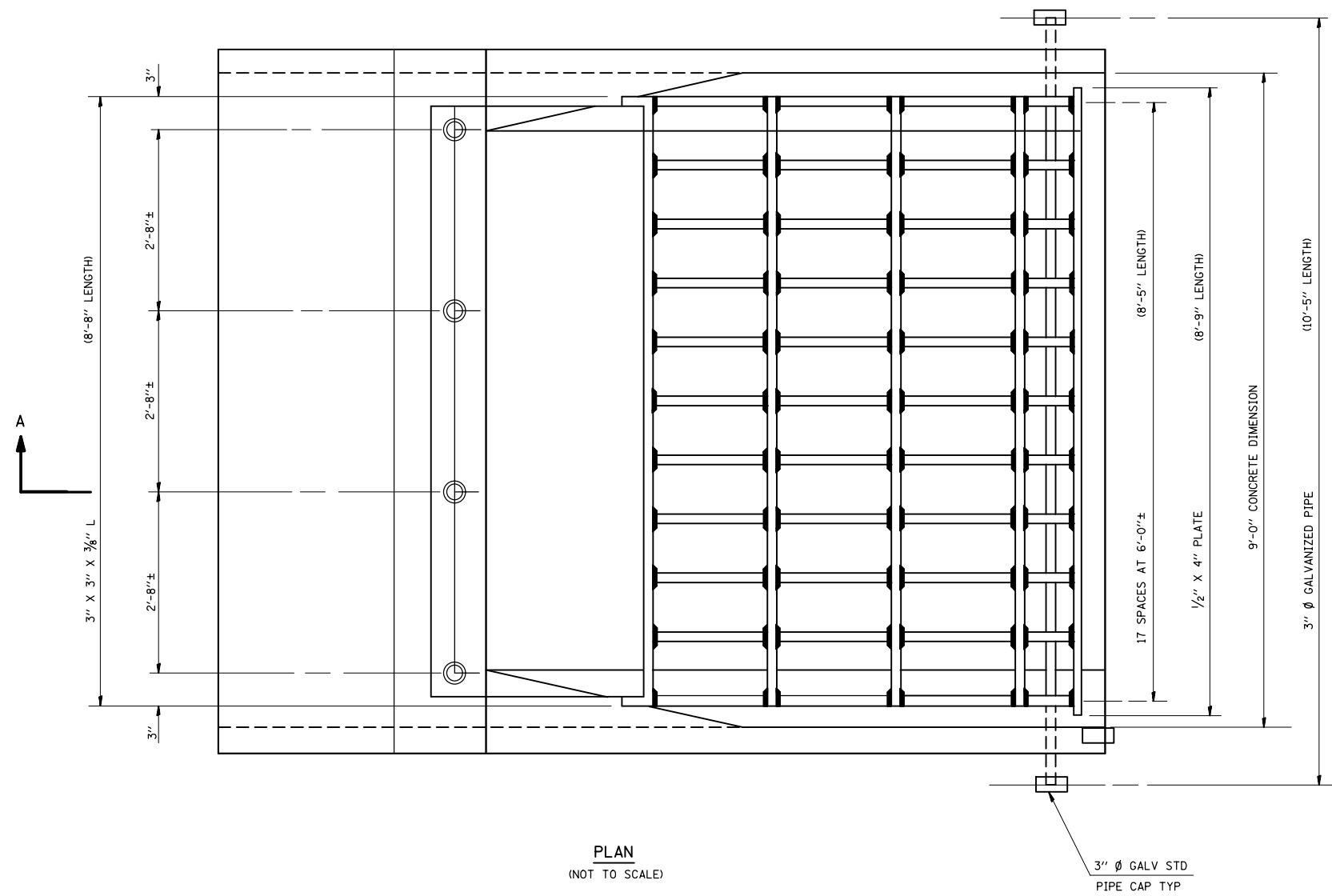


SPAN X RISE	T (INCHES)	A (FT-IN)	B (FT-IN)	C (INCHES)	E (FT-IN)	F (FT-IN)	G (FT-IN)	H (FT-IN)	SLOPE (X:Y)
2' X 2'	4	2-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 2'	4	3-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 3'	4	3-8	3-8	4	2-0	4-0	1-8	1-4	3:1
4' X 2'	5	4-10	2-10	5	3-0	3-0	1-0	1-0	3:1
4' X 3'	5	4-10	3-10	5	2-0	4-0	1-8	1-4	3:1
4' X 4'	5	4-10	4-10	5	2-0	4-0	2-0	2-0	2:1
5' X 2'	6	6-0	3-0	6	3-0	3-0	1-0	1-0	3:1
5' X 3'	6	6-0	4-0	6	2-0	4-0	1-8	1-4	3:1
5' X 4'	6	6-0	5-0	6	2-0	4-0	2-0	2-0	2:1
5' X 5'	6	6-0	6-0	6					
6' X 2'	7	7-2	3-2	7	3-0	3-0	1-0	1-0	3:1
6' X 3'	7	7-2	4-2	7	2-0	4-0	1-8	1-4	3:1
6' X 4'	7	7-2	5-2	7	2-0	4-0	2-0	2-0	2:1
6' X 5'	7	7-2	6-2	7					
6' X 6'	7	7-2	7-2	7					
7' X 4'	8	8-4	5-4	8	2-0	4-0	2-0	2-0	2:1
7' X 5'	8	8-4	6-4	8					
7' X 6'	8	8-4	7-4	8					
7' X 7'	8	8-4	8-4	8					
8' X 4'	8	9-4	5-4	8	2-0	4-0	2-0	2-0	2:1
8' X 5'	8	9-4	6-4	8					
8' X 6'	8	9-4	7-4	8					
8' X 7'	8	9-4	8-4	8					
8' X 8'	8	9-4	9-4	8					
9' X 5'	9	10-6	6-6	9					
9' X 6'	9	10-6	7-6	9					
9' X 7'	9	10-6	8-6	9					
9' X 8'	9	10-6	9-6	9					
9' X 9'	9	10-6	10-6	9					
10' X 4'	10	11-8	5-8	10					
10' X 5'	10	11-8	6-8	10					
10' X 6'	10	11-8	7-8	10					
10' X 7'	10	11-8	8-8	10					
10' X 8'	10	11-8	9-8	10					
10' X 9'	10	11-8	10-8	10					
10' X 10'	10	11-8	11-8	10					
11' X 4'	11	12-10	5-10	11					
11' X 6'	11	12-10	7-10	11					
11' X 8'	11	12-10	9-10	11					
11' X 10'	11	12-10	11-10	11					
11' X 11'	11	12-10	12-10	11					
12' X 4'	12	14-0	6-0	12					
12' X 6'	12	14-0	8-0	12					
12' X 8'	12	14-0	10-0	12					
12' X 10'	12	14-0	12-0	12					
12' X 12'	12	14-0	14-0	12					

FOR INFORMATION ONLY

FILE NAME =	USER NAME = milecmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXAMPLE PRECAST CONCRETE BOX CULVERT END SECTION	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\milecmr\d0345201\d87661-sht-plan.dgn	DRAWN -	REVISED -	* (109,110)RS-1, 31-2RS			WASHINGTON	40	38		
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	*FAP 690/FAS 819/FAP 322			CONTRACT NO. 76G61				
PLOT DATE = 2/6/2014	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT				

GRATING FOR PRECAST CONCRETE BOX CULVERT END SECTION 9' X 4'



GENERAL NOTES

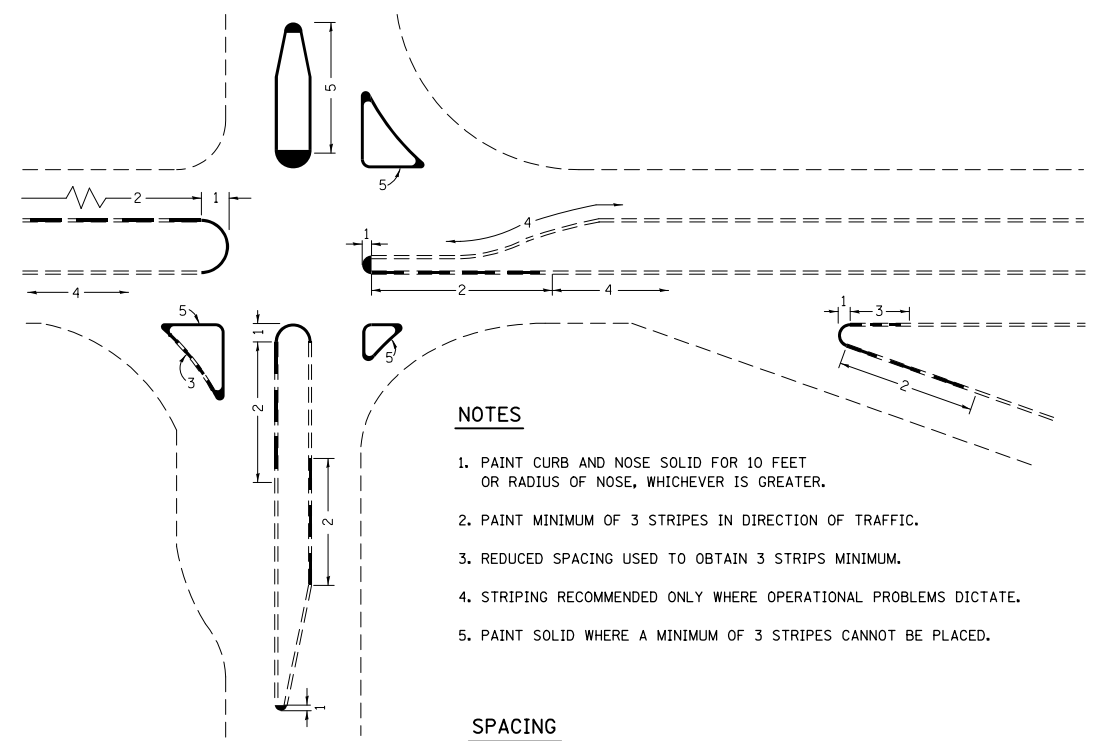
1. STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ARTICLE 706.04 OF THE STANDARD SPECIFICATIONS AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-111.
2. GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH ARTICLE 706.27(B) OF THE STANDARD SPECIFICATIONS, AND SHALL MEET THE REQUIREMENTS OF ASTM A-53, GRADE B.
3. BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 706.27(F) OF THE STANDARD SPECIFICATIONS, AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-232
4. ALL FABRICATION SHALL BE COMPLETE AND READY FOR ASSEMBLY BEFORE GALVANIZING.
5. THE CORED HOLES IN THE CONCRETE END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.
6. THE CONTRACT UNIT PRICE "EACH" FOR TRAVERSABLE PIPE GRATE SHALL INCLUDE FABRICATION AND INSTALLATION OF THE GRATING AS DETAILED HEREON, INCLUDING FABRICATION OF NECESSARY MOUNTING HOLES IN THE SECTION.

LEGEND

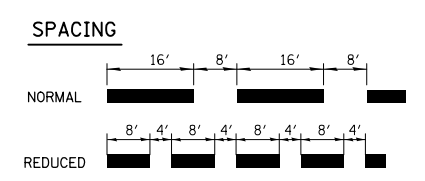
- ① 1/4" X 4" X 4" PLATE WASHER; 1/16" Ø HOLE
- ② 1" Ø BOLT WITH FLAT WASHER AND HEX NUT
- ③ L 3" X 3" X 3/8"
- ④ 1/2" X 3" BAR TYP
- ⑤ PROVIDE 3, 3/4" Ø HOLES THRU CONCRETE
- ⑥ 1/2" X 4" BAR
- ⑦ BARS 1/2" X 3/8" TYP
- ⑧ 1/8" Ø HOLE THUR 3/8" PLATE; 1/4" Ø HOLE THRU CONCRETE
- ⑨ 3/8" PLATE SHALL CONFORM TO SURFACE SHAPE OF CONCRETE END SECTION

FOR INFORMATION ONLY

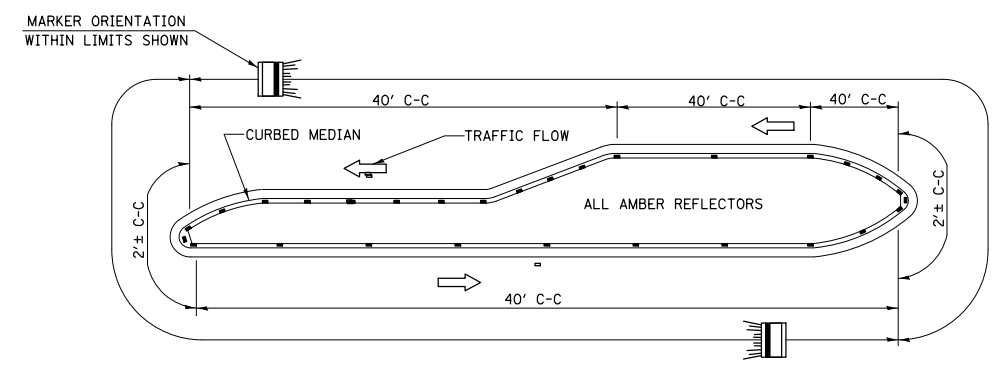
FILE NAME =	USER NAME = m1csmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXAMPLE GRATING FOR PRECAST CONCRETETE BOX CULVERT END SECTION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\pwwork\m1csmr\d0345201\d87661-sht-plen.dgn		DRAWN -	REVISED -			•	(109,110)RS-1, 31-2RS	WASHINGTON	40	39
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -			•FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
PLOT DATE = 2/6/2014		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



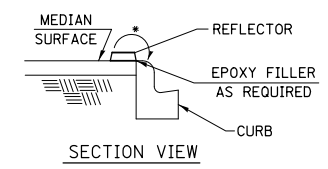
- NOTES**
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
 3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
 4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
 5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



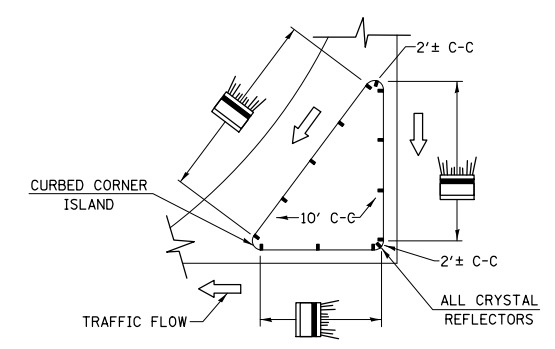
CURB MARKING DETAIL



- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
 2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
 3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.
 4. THERE SHALL BE MINIMUM OF 3 REFLECTORS ALONG EACH SIDE OF ISLANDS.
 5. REFLECTORS SHALL BE PLACED ON THE TOP OF CURB IF POSSIBLE.



• IF POSSIBLE, PLACE REFLECTOR ON CURB TOP.



TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS
(NO SCALE)

FILE NAME =	USER NAME = mlcsmr	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS FOR CURBS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(109,110)RS-1, 31-2RS	WASHINGTON	40	40
•FAP 690/FAS 819/FAP 322		CONTRACT NO. 76G61		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		