

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

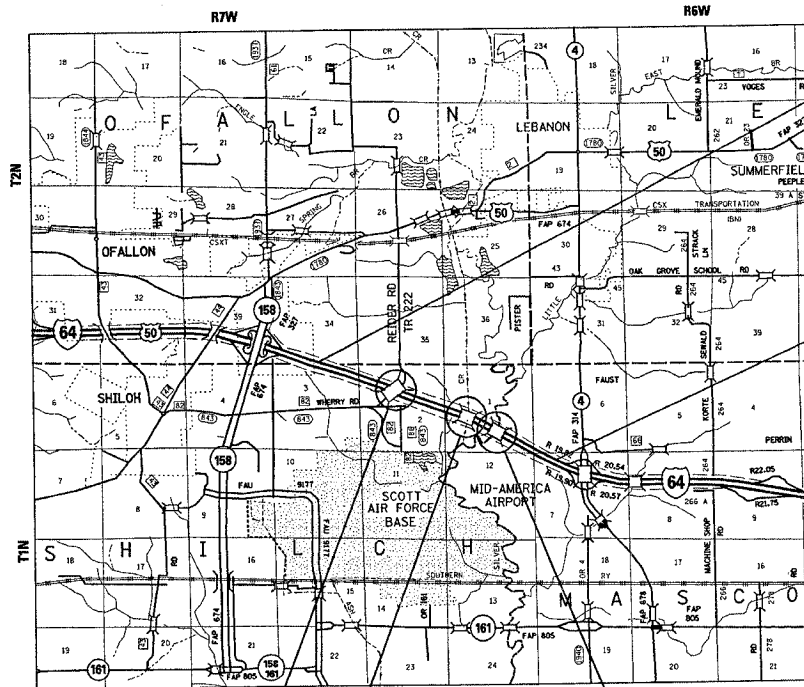
**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 64 (I-64)
SECTION 82-8RS-1
PROJECT: IM-064-1(119)017
ST. CLAIR COUNTY

RESURFACING AND BRIDGE REHABILITATION

C-98-131-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

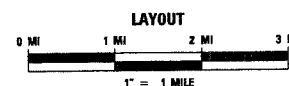


BEGIN SECTION
STA 948+05
LAT 38.56899
LONG -89.86250

END SECTION
STA 1103+15
LAT 38.55276
LONG -89.81211

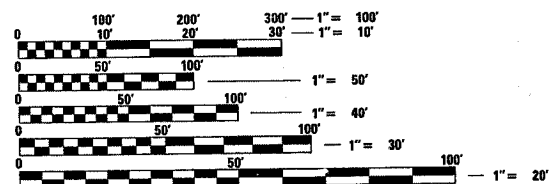
- SN 082-0185 (OVERHEAD) DECK SEALING DECK DRAIN EXTENSIONS
- SN 082-0186 WB SN 082-0187 EB DECK SEALING JOINT REPLACEMENT RIP RAP PLACEMENT
- SN 082-0188 WB SN 082-0189 EB DECK SEALING JOINT REPLACEMENT RIP RAP PLACEMENT

SHILOH VALLEY AND MASCOUTAH TOWNSHIPS



GROSS LENGTH: 15,510 FEET (2.94 MILES)
NET LENGTH 15,510 FEET (2.94 MILES)

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS



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

DESIGN ADT	
I-64:	REIDER RD:
2003 ADT = 31400 (ACTUAL)	2003 ADT = 800 (ACTUAL)
2006 ADT = 32400 (ESTIMATED)	2026 ADT = 1100 (ESTIMATED)
2026 ADT = 39500 (ESTIMATED)	S.U. = 1.7%
S.U. = 3.8%	M.U. = 0.7%
M.U. = 19.4%	

CONTRACT NO. 76037

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
SQUAD LEADER: CHERYL KEPLAR (618) 346-3186

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 28, 2006
Mona C. Pomeroy
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

May 12, 2006
Mike Shire
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2006
Milton R. Sess, P.E.
DIRECTOR, DIVISION OF HIGHWAYS

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

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	2
STA.		TO STA.		
CONTRACT NO.: 76037				

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3-5. SUMMARY OF QUANTITIES
6. TYPICAL SECTIONS
7. MISCELLANEOUS SCHEDULES
8. PATCHING SCHEDULES AND DETAILS
- 9-15. PLAN SHEETS
- 16-22. PAVEMENT MARKING SHEETS
23. PAVEMENT MARKING SCHEDULE AND DETAILS
24. MISCELLANEOUS DETAILS
25. JOINT DETAILS
- 26-28. STRUCTURE PLANS SN 082-0186
- 29-31. STRUCTURE PLANS SN 082-0187
- 32-34. STRUCTURE PLANS SN 082-0188
- 35-37. STRUCTURE PLANS SN 082-0189
- 38-39. STRUCTURE PLANS SN 082-0185

GENERAL NOTES

1. THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO 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 IP (ELECTRIC AND GAS)
 - CHARTER COMMUNICATIONS, INC.
 - MID AMERICA ST. LOUIS AIRPORT (GAS, ELECTRIC, WATER, SANITARY SEWER AND COMMUNICATIONS)
 - SLM WATER COMMISSION
 - VERIZON NORTH, INC

(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. IF SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
4. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN IN THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING BASE OR SURFACE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
5. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE	STONE MATRIX ASP	BINDER	PART. DEPTH PATCHING	I-64 SHOULDERS	TOPLIFT SHOULDERS	INCIDENTAL SURFACE
AC/PG	SBS-PG 76-22	SBS-PG 70-22	PG 64-22	PG 58-22	PG 58-22	PG 64-22
RAP% (MAX)	0%	0%	0%	30%	30%	0%
DESIGN AIR VOIDS	4.0% @ Ndes=80	4.0% @ Ndes=105	4.0% @ Ndes=105	2.0% @ Ndes=30	**2.0% @ Ndes=30	4.0% @ Ndes=105
MIX COMPOSITION (GRADATION MIXTURE)						
FRICTION AGG	SMA	MIXTURE "B"	MIXTURE "C"	BAM	BAM	MIXTURE "C"

**TOPLIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOID AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.
PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB./SQ YD/IN THICKNESS.

6. THE CONTRACTOR SHALL BE AWARE THAT EXCAVATION IN THE CHANNEL AT THE SILVER CREEK AND L SILVER CREEK STRUCTURES MAY BE REQUIRED IN ORDER TO PLACE THE PROPOSED RIPRAP. MATERIAL EXCAVATED FOR THE PLACEMENT OF THE RIPRAP MAY BE USED TO FILL IN EXISTING SCOUR AREAS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STONE RIPRAP CLASS A5.
7. A MINIMUM VERTICAL CLEARANCE OF 16'-0" MUST BE MAINTAINED FOR ALL OVERHEAD STRUCTURES.
8. THE ESTIMATED QUANTITY OF MILLED MATERIALS FROM THIS PROJECT IS 8100 TONS
9. THE BITUMINOUS SURFACE REMOVAL OPERATION SHALL BE COMPLETED PRIOR TO THE PARTIAL DEPTH PATCHING OPERATION. ALL FULL DEPTH PATCHING SHALL BE COMPLETED PRIOR TO STARTING THE BITUMINOUS SURFACE REMOVAL OPERATION.
10. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE PCC PATCHES WITHIN THE PROJECT LIMITS. THESE PATCHES SHALL BE MILLED 1 1/2" AS PART OF THE 'BITUMINOUS SURFACE REMOVAL 1 1/2"' OPERATION. THE COST FOR MILLING THE PCC PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'BITUMINOUS SURFACE REMOVAL 1 1/2"' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. THE QUANTITY FOR THE PIPE UNDERDRAIN 4" IS BASED ON THE PROJECT LENGTH MULTIPLIED BY A FACTOR OF TWO. ONLY THE OUTSIDE (RIGHT) LANES OF BOTH EASTBOUND AND WESTBOUND SHALL RECEIVE NEW UNDERDRAINS. THE PIPE UNDERDRAIN 4" (SPECIAL) QUANTITY IS COMPUTED PER ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS USING AN ESTIMATED LENGTH OF 20' PER OUTLET.
12. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
13. ANY FENCING REMOVED BY THE CONTRACTOR SHALL BE RE-ERECTED AT THE CONTRACTOR'S EXPENSE. ANY FENCING THAT CAN NOT BE RE-ERECTED SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE
14. SHORT TERM PAVEMENT MARKING PLACED ON MILLED SURFACES SHALL NOT CONSIST OF TAPE. ONLY PAINT WILL BY ALLOWED.
15. EXISTING FRAMES & GRATES LOCATED AT THE BRIDGE APPROACHES SHALL BE ADJUSTED TO MATCH THE FINAL SHOULDER SURFACE GRADE, AS DIRECTED BY THE ENGINEER. FRAMES & GRATES SHALL BE CLEAN AND FREE OF DEBRIS. THIS WORK WILL BE PAID FOR AS 'FRAMES AND GRATES TO BE ADJUSTED'.
16. THE CONTRACTOR SHALL PLACE 'FURNISHED EXCAVATION' AT THE CULVERT HEADWALLS WHICH EXTEND 4" OR MORE ABOVE GRADE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST FOR AGGREGATE SHOULDER TYPE B.

17. TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS HAVE BEEN INCLUDED AND WILL BE PLACED AT LOCATIONS DESIGNATED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY RELOCATIONS OF THE SIGNS.
18. SPEED LIMIT PHOTO ENFORCEMENT SIGNS MAY BE REQUIRED ON THIS PROJECT. IF REQUIRED, THE SIGNS WILL BE PROVIDED BY IDOT OPERATIONS. METHOD OF INSTALLATION TO BE PROVIDED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL PAY ITEMS.
19. ONCE THE CONTRACTOR PERFORMS THE BITUMINOUS SURFACE REMOVAL, HE SHALL HAVE 14 CALENDAR DAYS TO COMPLETE THE PARTIAL DEPTH PATCHING, PLACEMENT OF UNDERDRAINS AND PLACEMENT OF BITUMINOUS CONCRETE BINDER COURSE. IF THE CONTRACTOR FAILS TO COMPLY, HE WILL BE SUBJECT TO LIQUIDATED DAMAGES AS SPECIFIED IN ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS.
20. NO OVERNIGHT (DUSK TO DAWN) LANE CLOSURES WILL BE ALLOWED FROM DECEMBER 1 TO APRIL 1 OF ANY YEAR.
21. THE REMOVAL OF ANY ITEM REQUIRED FOR THE EXPANSION JOINT REPLACEMENT WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR POLYMER CONCRETE.
22. ANY PARTIAL DEPTH PATCHING ENCRDACHING OVER THE CENTERLINE SHALL BE COMPLETED THE SAME DAY THE PARTIAL DEPTH REMOVAL WAS PERFORMED.
23. ALL REFERENCES TO 'FORMED CONCRETE REPAIR' SHOWN IN THE PLANS SHALL BE INTERPRETED AS 'STRUCTURAL REPAIR OF CONCRETE'. (SEE GUIDE BRIDGE SPECIAL PROVISION 'STRUCTURAL REPAIR OF CONCRETE')
24. A QUANTITY FOR DECK SLAB REPAIR (FD) HAS BEEN INCLUDED. LOCATIONS TO BE DETERMINED BY THE ENGINEER.

HIGHWAY STANDARDS

280001-02	701201-02
442001-02	701400-02
601001	701401-03
601101	702001-06
630001-06	780001-01
631033-01	781001-02
635001	
635006-02	
635011-01	
642001	

COMMITMENTS

SN 082-0186, SN 082-0187, SN 082-0188 AND SN 082-0189 ARE LOCATED WITHIN AN IDENTIFIED WETLAND AREA. IF REQUIRED, TREES TO BE REPLACED IN THESE AREAS SHALL BE REPLACED AT A RATIO OF 5:1. (SEE SPECIAL PROVISION FOR 'TREE REMOVAL AND REPLACEMENT')

SEEDING, IF REQUIRED, IN THESE AREAS SHALL CONSIST OF SEEDING, CLASS 7 SPECIAL, CONSISTING OF ANNUAL RYEGRASS OATS (REDTOP). (SEE SPECIAL PROVISIONS FOR 'SEEDING CL 7, SPECIAL')

THE CONTRACTOR WILL NOT BE ALLOWED TO CONSTRUCT ANY TYPE OF HAUL ROAD LOCATED WITHIN THE WETLANDS IN ORDER TO FACILITATE THE PLACEMENT OF RIP RAP. WHEN ACCESSING THE WETLAND, HE SHALL TAKE EVERY PRECAUTION TO MINIMIZE IMPACTS TO THE WETLANDS. (SEE SPECIAL PROVISIONS FOR 'SEEDING CL 7, SPECIAL' AND 'TREE REMOVAL AND REPLACEMENT')

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS,
STANDARDS, GENERAL NOTES
AND COMMITMENTS
FAI ROUTE 64
SECTION 82-BRS-1
ST. CLAIR COUNTY

DRAWN BY:

PLOT DATE: 04/10/2010 10:10:10 AM

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-BRS-1	ST. CLAIR	39	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN - 90% FEDERAL / 10% STATE					
				I-64 MAINLINE 1000	SILVER CREEK SN 082-0186 SFTY-2A	SILVER CREEK SN 082-0187 SFTY-2A	SILVER CREEK SN 082-0188 SFTY-2A	SILVER CREEK SN 082-0189 SFTY-2A	TR 222 SN 082-0185 SFTY-2A
X0325338	CLASS A PATCHES, TYPE I, 13 INCH	SQ YD	5	5					
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	4		1	1	1	1	
X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	22		5	13	4		
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5					
28100109	STONE RIPRAP, CLASS A5	SQ YD	1766		582	600	292	292	
28200200	FILTER FABRIC	SQ YD	1766		582	600	292	292	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	83.4	83.4					
40600300	AGGREGATE (PRIME COAT)	TON	400.1	400.1					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	22	22					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2					
40600990	TEMPORARY RAMP	SQ YD	423	423					
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	111078	111078					
44213000	PATCHING REINFORCEMENT	SQ YD	240	240					
44213200	SAW CUTS	FOOT	1490	1490					
45200300	JOINT OR CRACK FILLING	POUND	6165	5290	140	290	132	313	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1153	1153					
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	9497	9497					
50300225	CONCRETE STRUCTURES	CU YD	0.8		0.2	0.2	0.2	0.2	
50300530	FLOOR DRAIN EXTENSION	EACH	9		1				8
50800105	REINFORCEMENT BARS	POUND	160		40	40	40	40	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	63	63					
60100072	SHOULDER REMOVAL AND REPLACEMENT 5"	FOOT	30282	30282					
60107600	PIPE UNDERDRAINS 4"	FOOT	29652	29652					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	1260	1260					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	9	9					
*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	2650	100	637.5	637.5	637.5	637.5	
*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2					
*63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	8		2	2	2	2	
*63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	10	2	2	2	2	2	
63200310,	GUARDRAIL REMOVAL	FOOT	3274	250	754	741	779	750	

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*SPECIALTY ITEMS

Rev.

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN - 90% FEDERAL / 10% STATE					
				I-64 MAINLINE 1000	SILVER CREEK SN 082-0186 SFTY-2A	SILVER CREEK SN 082-0187 SFTY-2A	SILVER CREEK SN 082-0188 SFTY-2A	SILVER CREEK SN 082-0189 SFTY-2A	TR 222 SN 082-0185 SFTY-2A
63500105	DELINEATORS	EACH	73	73					
63500120	DELINEATOR REMOVAL	EACH	73	73					
64200105	SHOULDER RUMBLE STRIP	FOOT	59304	59304					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	21324	21324					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	133444	133444					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	23778	23778					
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	59306	59306					
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	70						70
78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	7416	7416					
*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3210		1085	1134	502	489	
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	744	744					
*78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	36		6	12	6	12	
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	40	4	9	9	9	9	
*78200520	BARRIER WALL MARKERS, TYPE B	EACH	36		12	12	6	6	
*78200530	BARRIER WALL MARKERS, TYPE C	EACH	36		12	12	6	6	
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	2	2	2	2	2	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	372	372					
XX004814	SILICONE JOINT SEALER, 3"	FOOT	91		44	47			
X0320887	POLYMER CONCRETE	CU FT	25		12	6	7		
X0321744	SILICONE JOINT SEALER, 2"	FOOT	82				41	41	
X0322379	CONCRETE SEALER	SQ YD	8485		2526	2624	1158	1122	1055
X0322469	PLUG EXISTING FLOOR DRAINS	EACH	8						8
X0322729	MATERIAL TRANSFER DEVICE	TON	18819	18819					

*SPECIALTY ITEMS

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SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		URBAN - 90% FEDERAL / 10% STATE						
				I-64 MAINLINE I000	SILVER CREEK SN 082-0186 SFTY-2A	SILVER CREEK SN 082-0187 SFTY-2A	SILVER CREEK SN 082-0188 SFTY-2A	SILVER CREEK SN 082-0189 SFTY-2A	TR 222 SN 082-0185 SFTY-2A	
X0322932	SILICONE JOINT SEALER, 1.5"	FOOT	62							
X0322933	SILICONE JOINT SEALER, 2.5"	FOOT	91		44	47				
X0323076	SILICONE JOINT SEALER, 1 3/4"	FOOT	82				41	41		
X4066570	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, STONE MATRIX ASPHALT, SUPERPAVE, N80	TON	8856	8856						
X4066660	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105	TON	9963	9963						
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	53	53						
X4420046	CLASS A PATCHES, TYPE II, 13 INCH	SQ YD	17	17						
X4420051	CLASS A PATCHES, TYPE II, 11 1/4 INCH	SQ YD	72	72						
X4420052	CLASS A PATCHES, TYPE III, 11 1/4 INCH	SQ YD	21	21						
X4420054	CLASS A PATCHES, TYPE IV, 11 1/4 INCH	SQ YD	159	159						
X4421000	PARTIAL DEPTH PATCHING	TON	355	355						
X4422025	PARTIAL DEPTH REMOVAL 2"	SQ YD	3164	3164						
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	12	12						
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	3				3			
Z0075310	TIE BARS, 3/4"	EACH	109	109						
Z0016000	DECK SLAB REPAIR (FD)	SQ YD	3							
Z0076600	TRAINEES	HR	1,500	1,500		3				

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PIPE UNDERDRAIN SCHEDULE

STATION	STATION	LANE	LENGTH FT	PIPE UNDERDRAINS 4"		CONCRETE HEADWALL FOR PIPE DRAINS		PIPE UNDERDRAINS 4" SPECIAL		SHOULDER REM & REPL 5"	
				FEET	EACH	FEET	EACH	LONGITUDINAL EDGELINE	LATERAL UNDERDRAIN SPL		
948+05	1026+85.9	EB	7881	7881	16	320	7881	160			
1026+85.9	1044+16.66	EB	1731	1731	4	80	1731	40			
1049+20.01	1061+50.75	EB	1231	1231	3	60	1231	30			
1063+67.25	1093+47.7	EB	2980	2980	6	120	2980	60			
1093+47.7	1103+15.	EB	967	967	2	40	967	20			
948+05.	1026+85.9	WB	7881	7881	16	320	7881	160			
126+28.27	142+69.52	WB	1641	1641	4	80	1641	40			
147+51.85	161+09.93	WB	1358	1358	3	60	1358	30			
163+39.44	193+47.7	WB	3014	3014	7	140	3014	70			
1093+47.7	1103+15.	WB	967	967	2	40	967	20			
TOTALS				29652	63	1260		30282			

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL TYPE A	TRAFFIC BARRIER TERMINAL TYPE I (SPL) TANGENT	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 6B	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS
I-64 MAINLINE							
e SN 082-0187 EB							
RIGHT	358	287.5	1		1	1	4
LEFT	383	350	1		1	1	5
e SN 082-0189 EB							
RIGHT	362.5	287.5	1		1	1	4
LEFT	387.5	350	1		1	1	5
e SN 082-0188 WB							
RIGHT	383	287.5	1		1	1	4
LEFT	396	350	1		1	1	5
e SN 082-0186 WB							
RIGHT	371	287.5	1		1	1	4
LEFT	383	350	1		1	1	5
e MEDIAN PIER REIDER RD.							
EB LEFT	125	50	1	1		1	2
EF RIGHT	125	50	1	1		1	2
TOTALS	3274	2650	10	2	8	10	40

RESURFACING SCHEDULE

STATION	STATION	SIDE	LENGTH (FT)	LANE WIDTH (FT)	TOTAL LANES	TOTAL WIDTH (FT)	AREA SQ. YD.	BINDER 2 1/4" TON	BIT. SURFACE SMA 2" TON	BIT (PRIME) TON	AGG. (PRIME) TON	BIT. SHLDRS. - RESURFACING - 2 3/4"		SHOULDER RUMBLE STRIP FOOT	AGG. SHLDRS. TYPE - B TONS		
												LEFT SIDE 6' WIDE SQ. YD	RIGHT SIDE 10' WIDE TON				
948+05.	1026+85.9	EB & WB	7880.9	12	4	48	42031.47	5296.0	4707.5	21.9	105.1	10507.9	1618.2	17513.1	2697.0	31523.6	612.9
1026+85.9	1044+16.66	EB	1730.8	12	2	24	4615.36	581.5	516.9	2.4	11.5	1153.8	177.7	1923.1	296.2	3461.5	67.3
126+28.27	142+69.52	WB	1641.3	12	2	24	4376.67	551.5	490.2	2.3	10.9	1094.2	168.5	1823.6	280.8	3282.5	63.8
1049+20.01	1061+50.75	EB	1230.7	12	2	24	3281.97	413.5	367.6	1.7	8.2	820.5	126.4	1367.5	210.6	2461.5	47.9
147+51.85	161+09.93	WB	1358.1	12	2	24	3621.55	456.3	405.6	1.9	9.1	905.4	139.4	1509.0	232.4	2716.2	52.8
1063+67.25	1093+47.7	EB	2980.5	12	2	24	7947.87	1001.4	890.2	4.1	19.9	1987.0	306.0	3311.6	510.0	5960.9	115.9
163+33.44	193+47.7	WB	3014.3	12	2	24	8038.03	1012.8	900.3	4.2	20.1	2009.5	309.5	3349.2	515.8	6028.5	117.2
1093+47.7	1103+15.	EB & WB	967.3	12	4	48	5158.93	650.0	577.8	2.7	12.9	1289.7	198.6	2149.6	331.0	3869.2	75.2
SUB TOTAL												3,044.3		5,073.8			
TOTALS								9,963.1	8,856.0	41.2 (x 2)	197.7 (x 2)		8,118.0		59,303.9		1,153

82.4 395.4 (2 Applications)

** DUE TO THE VARIABLE DEPTH SHOULDER MILLING, AN ADDITIONAL 1379 TONS OF BITUMINOUS SHOULDER SUPERPAVE HAS BEEN ADDED TO THE CONTRACT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS SCHEDULES
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY
 SCALE: VERT. / HORIZ.
 DATE / DRAWN BY / CHECKED BY

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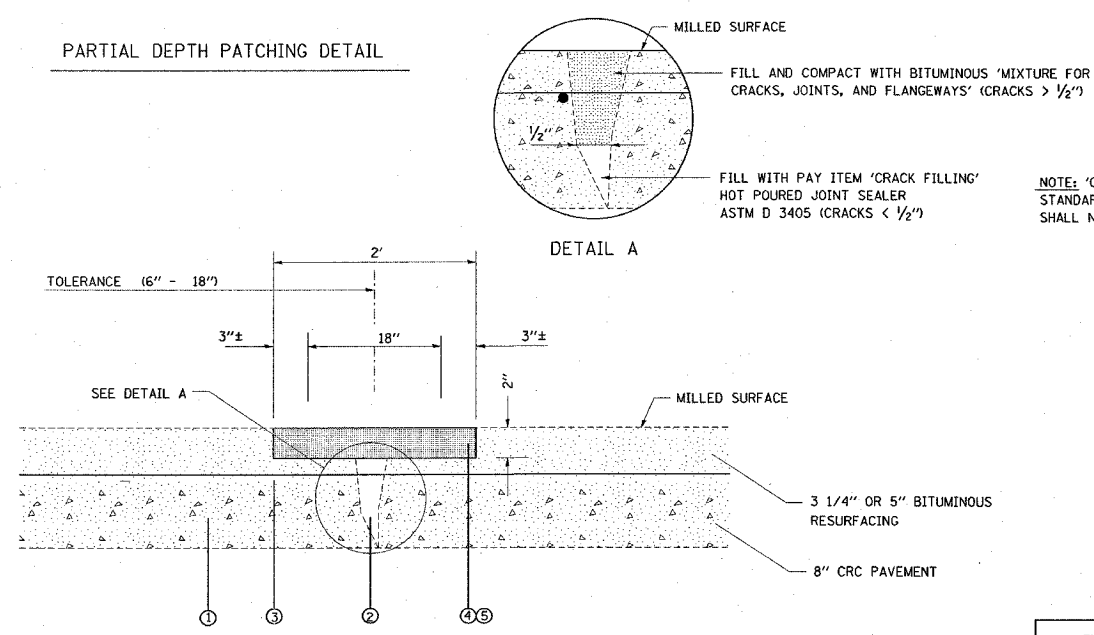
PARTIAL DEPTH PATCHING

STATION	STATION	LANE	LENGTH (FT)	WIDTH (FT)	PARTIAL DEPTH	BITUMINOUS	AGGREGATE	PARTIAL DEPTH	CRACK	MIXTURE FOR
					REMOVAL	PRIME COAT	PRIME COAT	PATCHING	FILLING	CRKS, JNTS. & FGWYS
					SQ. YD.	TON	TON	TON	POUND	TON
I-64 EB										
955+00	955+40	DL	40	2	8.9	0.003	0.013	1.0	15	0.062
956+40	956+90	DL	50	2	11.1	0.003	0.017	1.2	19	0.078
995+00	997+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
995+00	995+02	DL	2	24	5.3	0.002	0.008	0.6	1	0.003
995+00	995+02	PL	2	24	5.3	0.002	0.008	0.6	1	0.003
1001+50	1002+20	CL	70	2	15.6	0.005	0.023	1.7	26	0.109
1004+00	1005+00	DL	100	2	22.2	0.007	0.039	2.5	38	0.156
1006+00	1010+30	CL	430	2	95.6	0.030	0.143	10.7	163	0.669
1012+50	1014+50	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
1021+50	1023+50	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1026+00	1027+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
1029+00	1030+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
1036+00	1038+00	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
1053+00	1056+00	DL	300	2	66.7	0.021	0.100	7.5	113	0.467
1073+50	1074+00	DL	50	2	11.1	0.003	0.017	1.2	19	0.078
1087+50	1089+00	DL	150	2	39.3	0.010	0.050	3.7	57	0.239
1089+50	1091+50	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1101+50	1102+00	CL	50	2	11.1	0.003	0.017	1.2	19	0.078
I-64 WB										
950+00	951+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
955+00	957+00	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
955+00	957+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
970+00	973+00	DL	300	2	66.7	0.021	0.100	7.5	113	0.467
980+00	983+00	CL	300	2	66.7	0.021	0.100	7.5	113	0.467
982+00	985+00	CL	300	2	66.7	0.021	0.100	7.5	113	0.467
987+50	988+50	DL	100	2	22.2	0.007	0.039	2.5	38	0.156
987+50	989+50	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
981+50	989+50	DL	800	2	177.8	0.056	0.267	19.9	302	1.244
989+00	991+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
992+50	996+50	CL	400	2	88.9	0.028	0.139	10.0	151	0.622
996+50	997+00	DL	50	4	22.2	0.007	0.039	2.5	19	0.078
995+00	997+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
997+00	998+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
999+00	1001+00	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
999+00	1001+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1001+00	1003+00	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
1002+00	1004+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1005+50	1007+00	DL	150	2	39.3	0.010	0.050	3.7	57	0.239
1005+50	1007+00	CL	150	2	39.3	0.010	0.050	3.7	57	0.239
1013+00	1015+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1013+00	1015+00	CL	200	2	44.4	0.014	0.067	5.0	76	0.311
1018+00	1019+00	CL	100	4	44.4	0.014	0.067	5.0	38	0.156
1020+00	1022+50	CL	250	2	55.6	0.017	0.083	6.2	95	0.389
125+50	127+50	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
130+00	139+50	CL	350	2	77.8	0.024	0.117	8.7	132	0.544
134+50	138+50	DL	400	2	88.9	0.028	0.139	10.0	151	0.622
139+50	142+00	CL	250	2	55.6	0.017	0.083	6.2	95	0.389
149+00	151+00	PL	200	2	44.4	0.014	0.067	5.0	76	0.311
152+00	154+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
153+00	156+00	CL	300	2	66.7	0.021	0.100	7.5	113	0.467
157+50	158+00	DL	50	2	11.1	0.003	0.017	1.2	19	0.078
157+00	158+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
175+00	178+50	CL	350	2	77.8	0.024	0.117	8.7	132	0.544
178+50	180+00	CL	150	2	39.3	0.010	0.050	3.7	57	0.239
1088+00	1089+00	DL	100	2	22.2	0.007	0.039	2.5	38	0.156
1090+00	1092+00	DL	200	2	44.4	0.014	0.067	5.0	76	0.311
1091+00	1092+00	CL	100	2	22.2	0.007	0.039	2.5	38	0.156
1095+00	1099+00	CL	400	2	88.9	0.028	0.139	10.0	151	0.622
1101+00	1102+00	DL	100	2	22.2	0.007	0.039	2.5	38	0.156
SUBTOTAL					2530.7	0.8	3.8	283.4	4231.8	17.4
ANTICIPATED FAILURES (+25%)					632.7	0.2	0.9	70.9	1057.9	4.4
TOTAL					3163.3	1.0	4.7	354.3	5289.7	21.8

FULL DEPTH PATCHING

STATION	LANE	LENGTH (FT)	WIDTH (FT)	CLASS A PATCHES 11 1/4"			CLASS A PATCHES 13"		PATCHING			SAW CUTS FT.	TIE BARS EACH
				SQ. YD.	TYPE II SQ. YD.	TYPE III SQ. YD.	TYPE IV SQ. YD.	TYPE I SQ. YD.	TYPE II SQ. YD.	REINFORCEMENT SQ. YD.			
I-64 EB													
950+00	DL	50	6	33.3			33.3			33.3		212	25
1022+00	PL	20	12	26.7			26.7			26.7		104	10
1037+50	DL	10	12	13.3					13.3	13.3		64	
1054+00	DL	10	6	6.7	6.7					6.7		52	
1085+00	DL	20	6	13.3	13.3					13.3		92	10
1090+00	DL	10	12	13.3	13.3		26.7			13.3		64	
I-64 WB													
984+00	DL	25	6	16.7		16.7				16.7		112	12.5
988+00	PL	30	6	20.0			20			20.0		132	15
985+50	DL	10	6	6.7	6.7					6.7		52	
157+00	DL	30	6	20.0			20			20.0		132	15
160+00	DL	8	6	5.3	5.3					5.3		44	
174+25	DL	10	6	6.7	6.7					6.7		52	
174+50	DL	8	6	5.3	5.3					5.3		44	
1101+00	DL	6	6	4.0				4		4.0		36	
SUBTOTAL				57.3	16.7	126.7	4.0	13.3	191.3	1192	88		
ANTICIPATED FAILURES (+25%)				14.3	4.2	31.7	1.0	3.3	47.8	298	22		
TOTAL				71.6	20.9	158.4	5.0	16.6	239.2	1490	109		

PARTIAL DEPTH PATCHING DETAIL



- LEGEND
- ① EXISTING CRCP PAVEMENT, 8"
 - ② EXISTING LONGITUDINAL PAVEMENT CRACK
 - ③ EXISTING PAVEMENT REINFORCEMENT
 - ④ PROPOSED PARTIAL DEPTH REMOVAL, 2"
 - ⑤ PROPOSED PARTIAL DEPTH PATCHING (BITUMINOUS CONCRETE SUPERPAVE)

NOTE: 'CRACK FILLING' SHALL BE PER SECTION 451 OF THE STANDARD SPECIFICATIONS EXCEPT THAT 'CRACK ROUTING' SHALL NOT BE REQUIRED FOR THIS APPLICATION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULES AND DETAILS

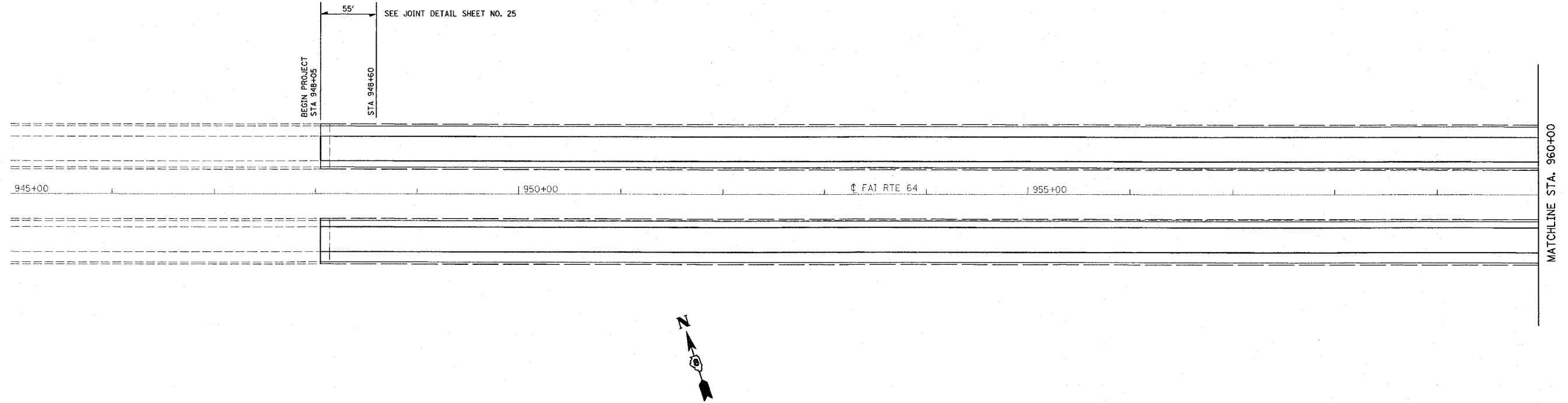
FAI ROUTE 64
SECTION 82-BRS-1
ST. CLAIR COUNTY

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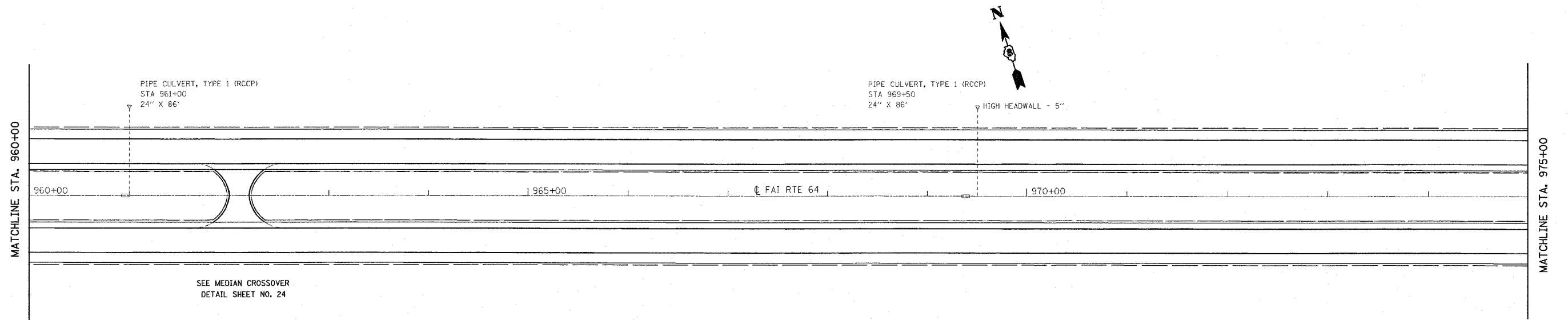
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	9
STA. 945+00		TO STA. 975+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

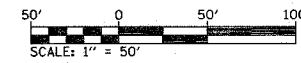
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

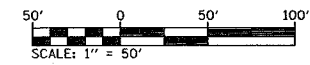
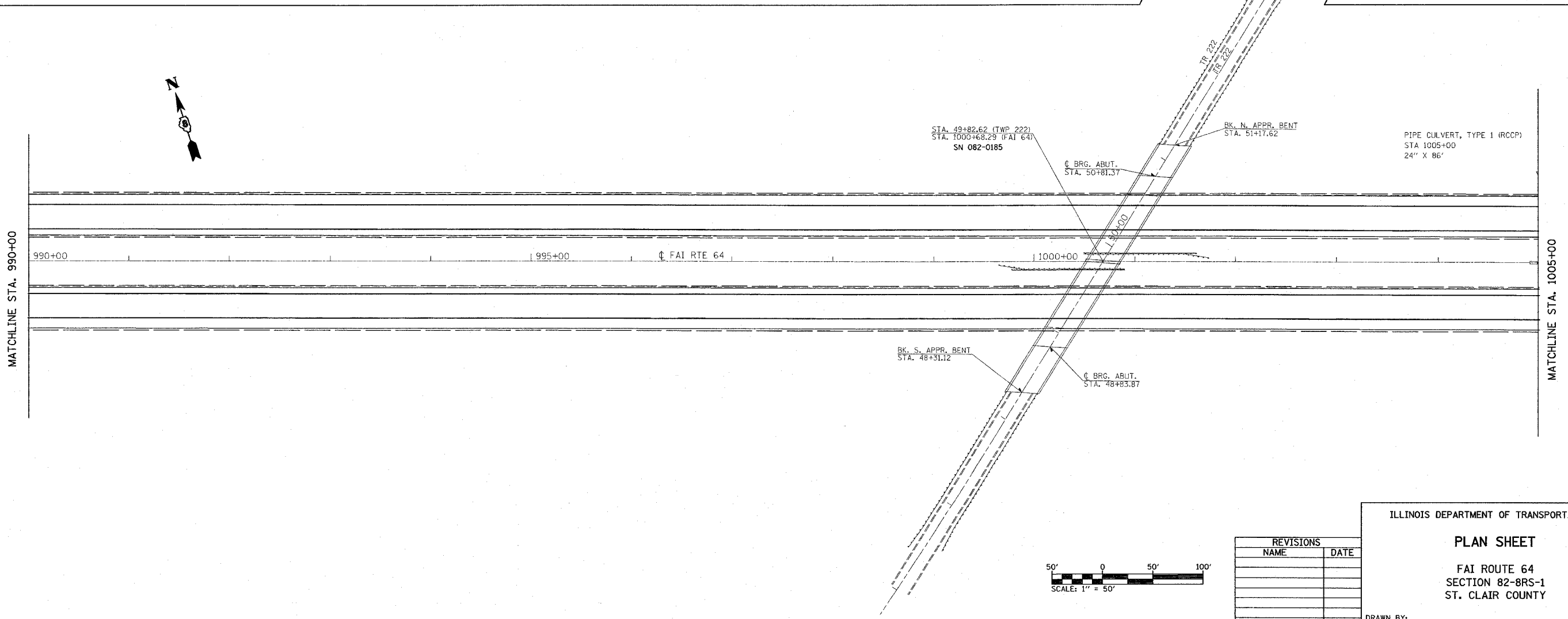
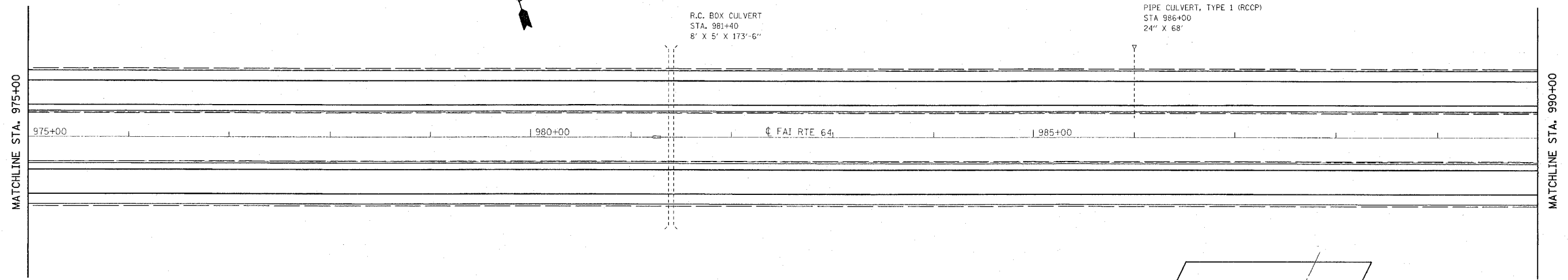
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 975+00		TO STA. 1005+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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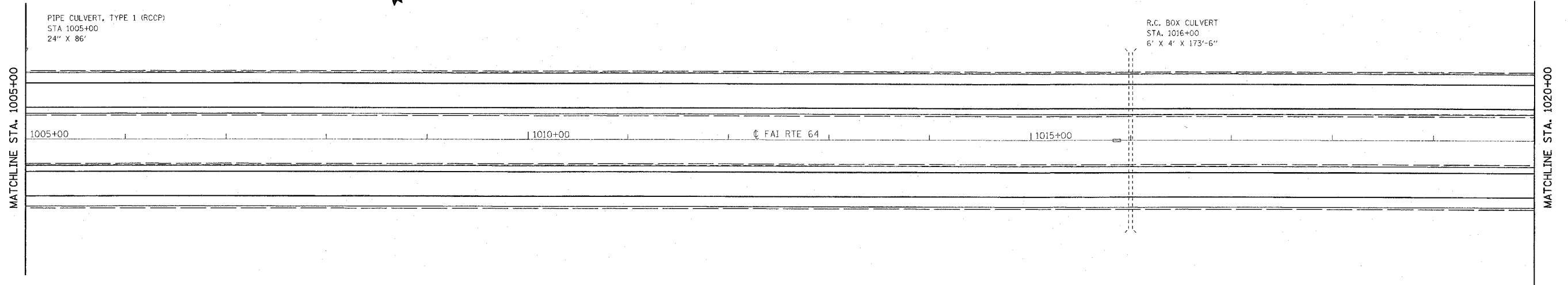


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NAME	DATE

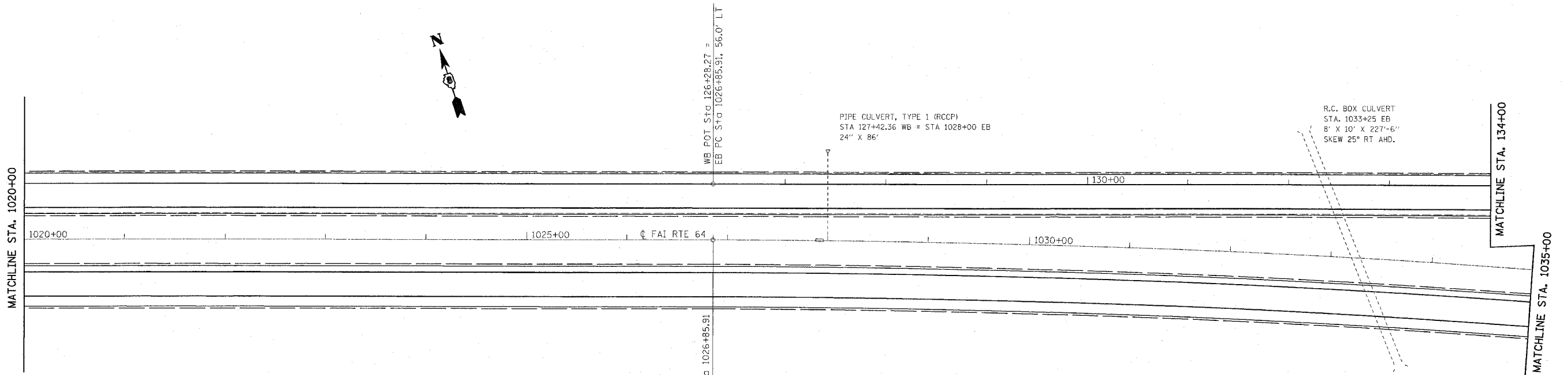
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 SECTION 82-8RS-1
 ST. CLAIR COUNTY
 DRAWN BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	11
STA. 1005+00		TO STA. 1035+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

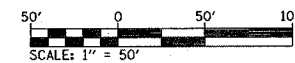
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NAME	DATE

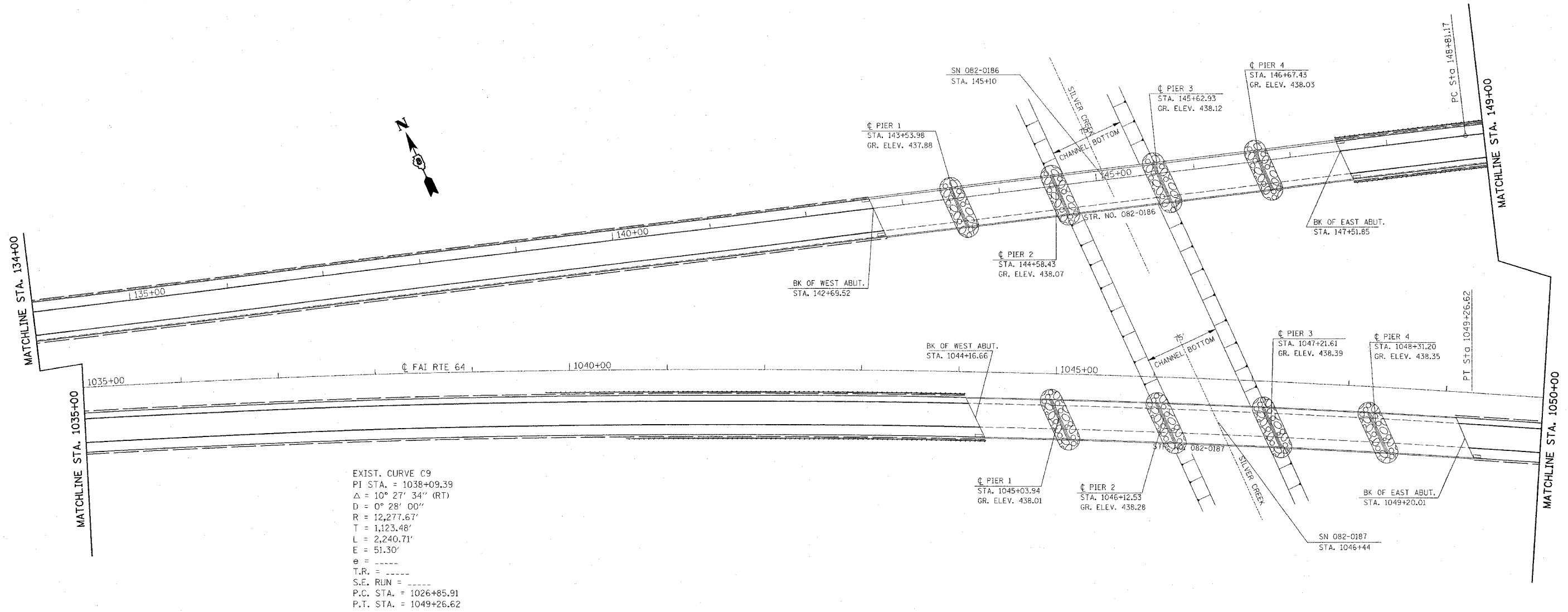
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 SECTION 82-8RS-1
 ST. CLAIR COUNTY
 DRAWN BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	12
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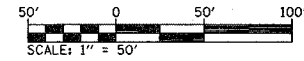
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EXIST. CURVE C9
 PI STA. = 1038+09.39
 $\Delta = 10^\circ 27' 34''$ (RT)
 $D = 0^\circ 28' 00''$
 $R = 12,277.67'$
 $T = 1,123.48'$
 $L = 2,240.71'$
 $E = 51.30'$
 $e =$ -----
 $T.R. =$ -----
 $S.E. RUN =$ -----
 $P.C. STA. = 1026+85.91$
 $P.T. STA. = 1049+26.62$



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

DRAWN BY:

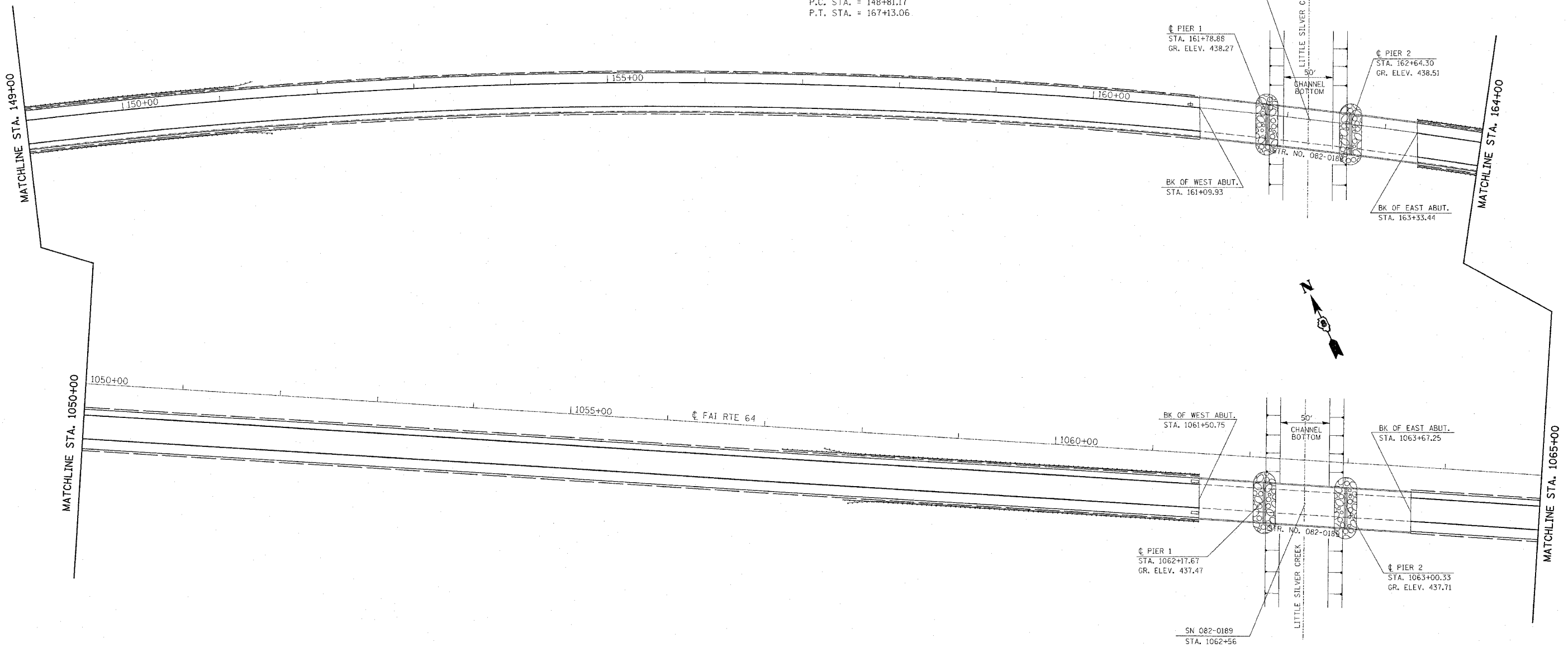
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	13
STA. 1050+00		TO STA. 1065+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXIST. CURVE CURVE
 PI STA. = 158+05.00
 $\Delta = 18^\circ 19' 08''$ (RT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 923.83'$
 $L = 1,831.89'$
 $E = 74.00'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 148+81.17$
 $P.T. STA. = 167+13.06$

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	ALIGNMENT CHECKED		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
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REVISIONS	
NAME	DATE

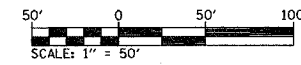
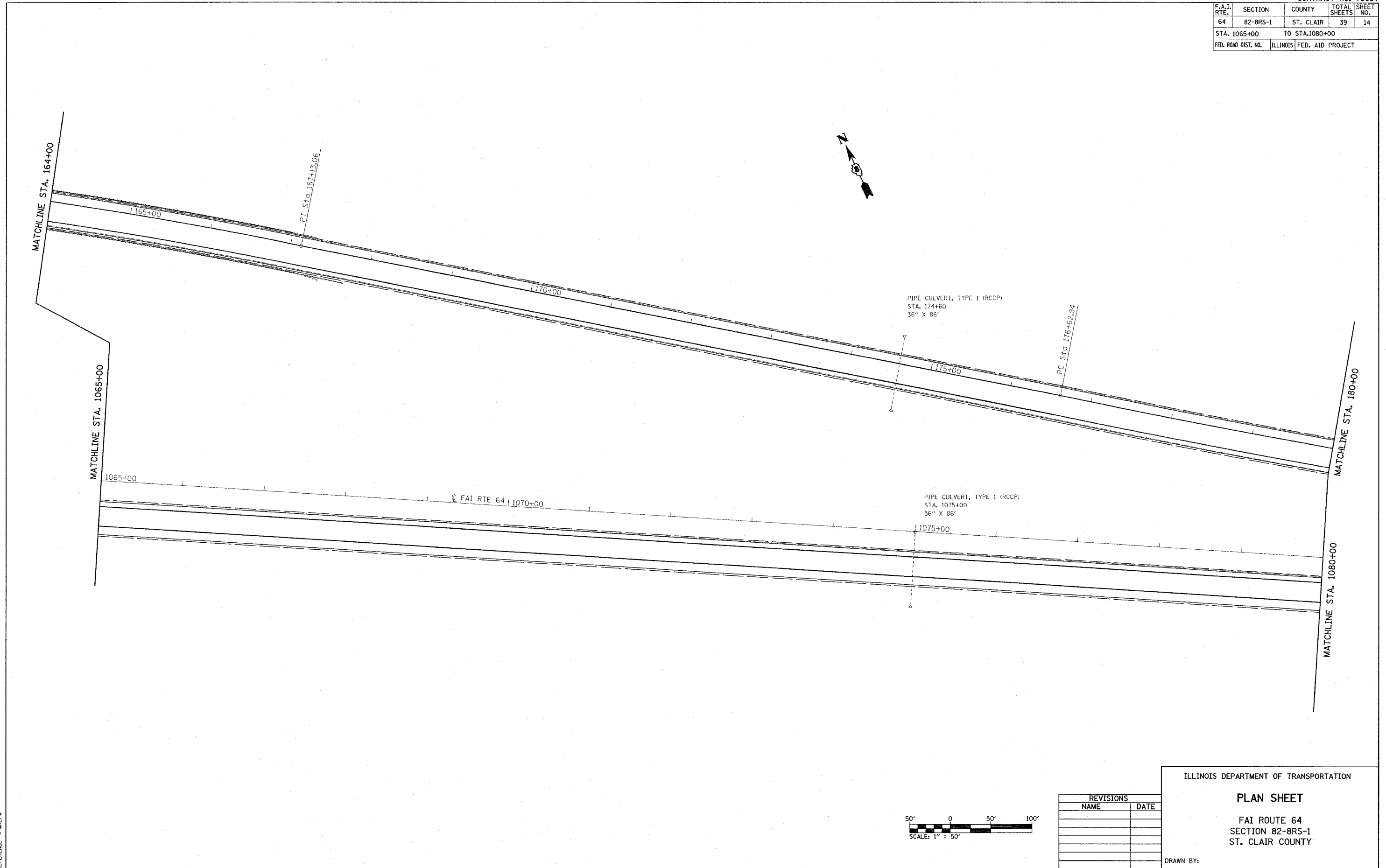
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAI ROUTE 64
 SECTION 82-BRS-1
 ST. CLAIR COUNTY
 DRAWN BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	14
STA. 1065+00		TO STA. 1080+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	DATE
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PROFILE	DATE
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GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO.	

PLOT DATE = 5/29/2006
 PLOT SCALE = 50.0000 / IN.
 REFERENCE = REF#



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

DRAWN BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	15
STA. 1080+00		TO STA. 1110+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

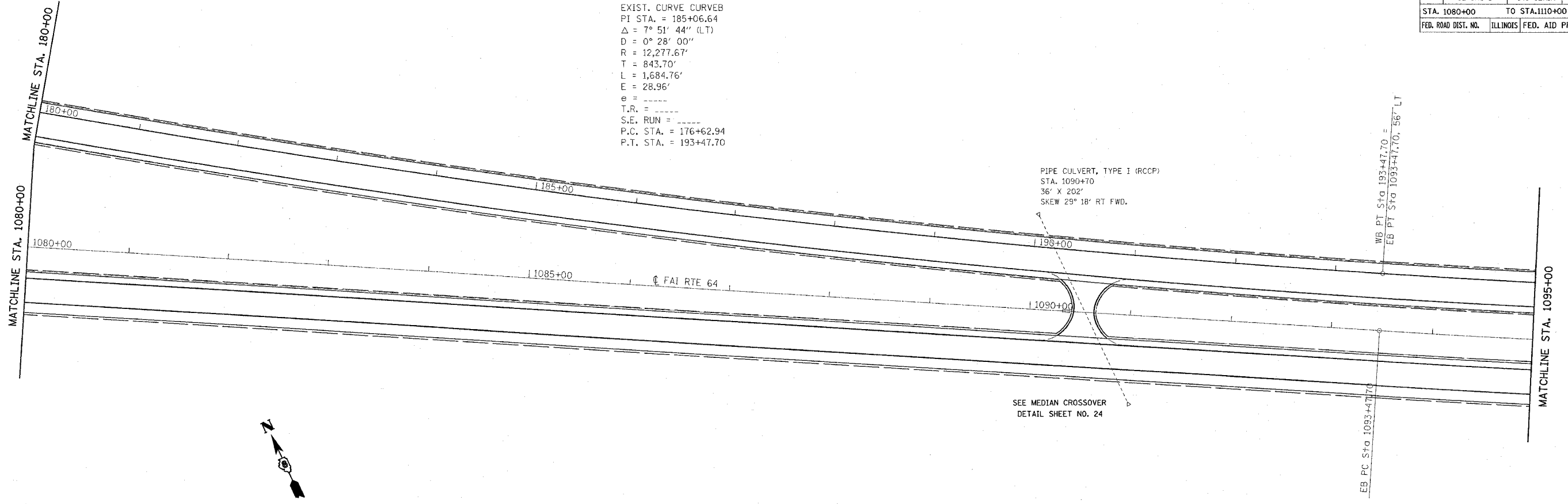
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 D = $0^\circ 28' 00''$
 R = 12,277.67'
 T = 843.70'
 L = 1,684.76'
 E = 28.96'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 176+62.94
 P.T. STA. = 193+47.70

PIPE CULVERT, TYPE I (RCCP)
 STA. 1090+70
 36' X 202'
 SKEW 29° 18' RT FWD.

WB PT Sta 193+47.70 =
 EB PT Sta 1093+47.70, 567' LT

EB PC Sta 1093+47.70

SEE MEDIAN CROSSOVER
 DETAIL SHEET NO. 24



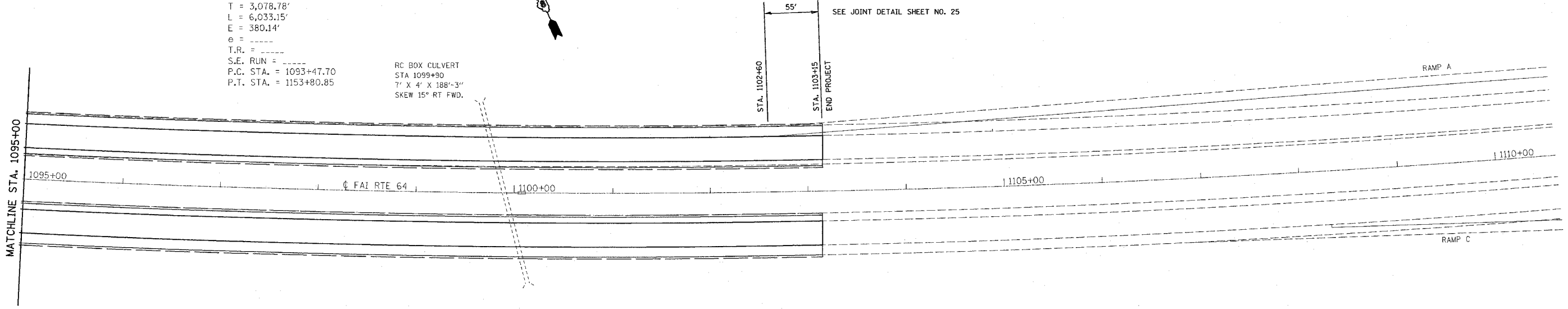
PLAN

DATE	
BY	
CHECKED	
DESIGNED	
PLANNED	
NOTED	
NO.	

EXIST. CURVE CURVE 10
 PI STA. = 1124+26.48
 $\Delta = 28^\circ 09' 17''$ (LT)
 D = $0^\circ 28' 00''$
 R = 12,277.67'
 T = 3,078.78'
 L = 6,033.15'
 E = 380.14'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1093+47.70
 P.T. STA. = 1153+80.85

RC BOX CULVERT
 STA 1099+90
 7' X 4' X 188'-3"
 SKEW 15° RT FWD.

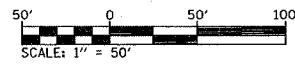
SEE JOINT DETAIL SHEET NO. 25



PROFILE

DATE	
BY	
CHECKED	
DESIGNED	
PLANNED	
NOTED	
NO.	

DATE = 3/23/2006
 PLOT NAME = 101080-1110-15.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 REFERENCE = REF#



REVISIONS	
NAME	DATE

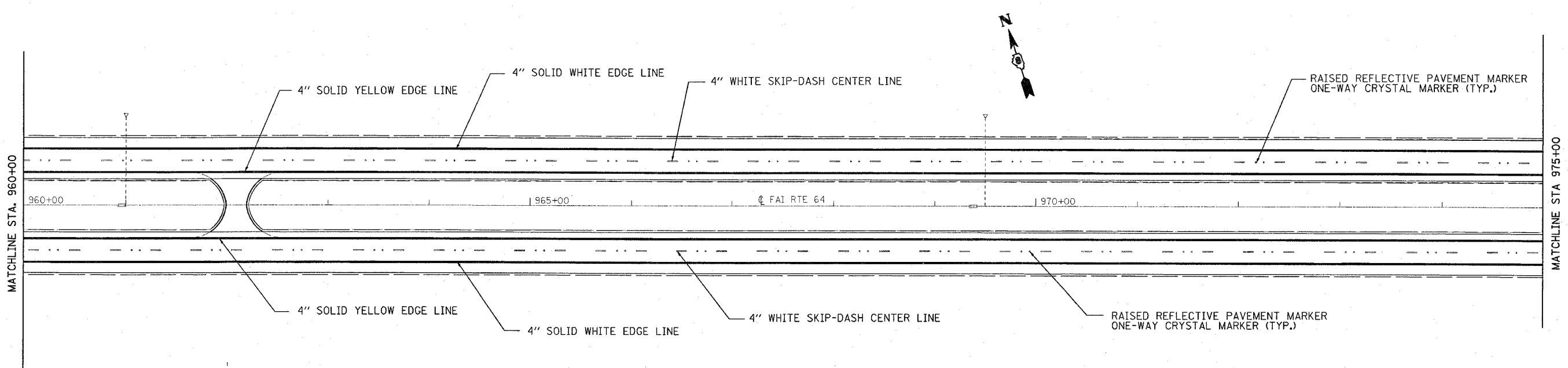
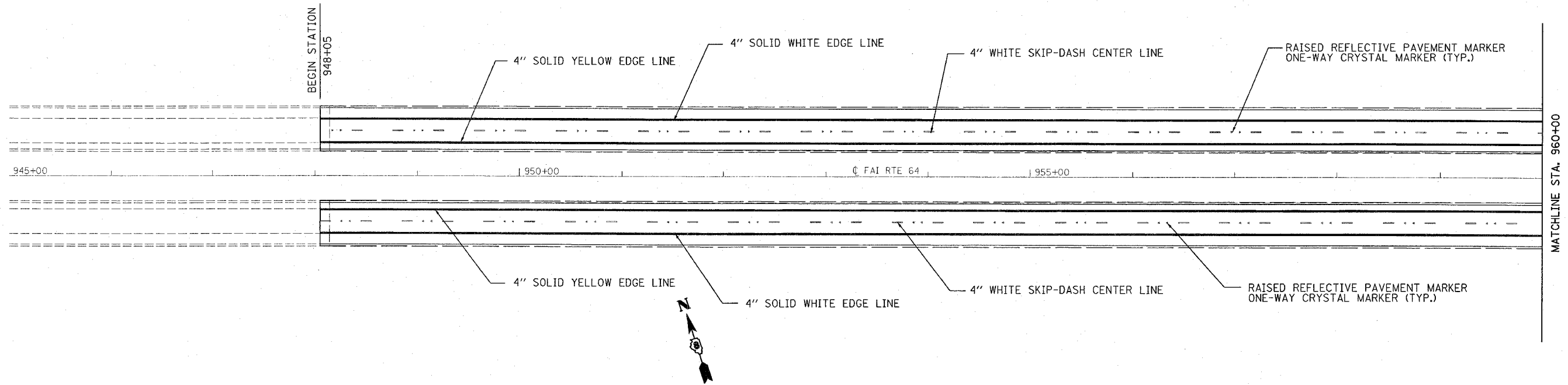
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET

FAI ROUTE 64
 SECTION 82-BRS-1
 ST. CLAIR COUNTY

DRAWN BY: _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	16
STA. 945+00		TO STA. 975+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

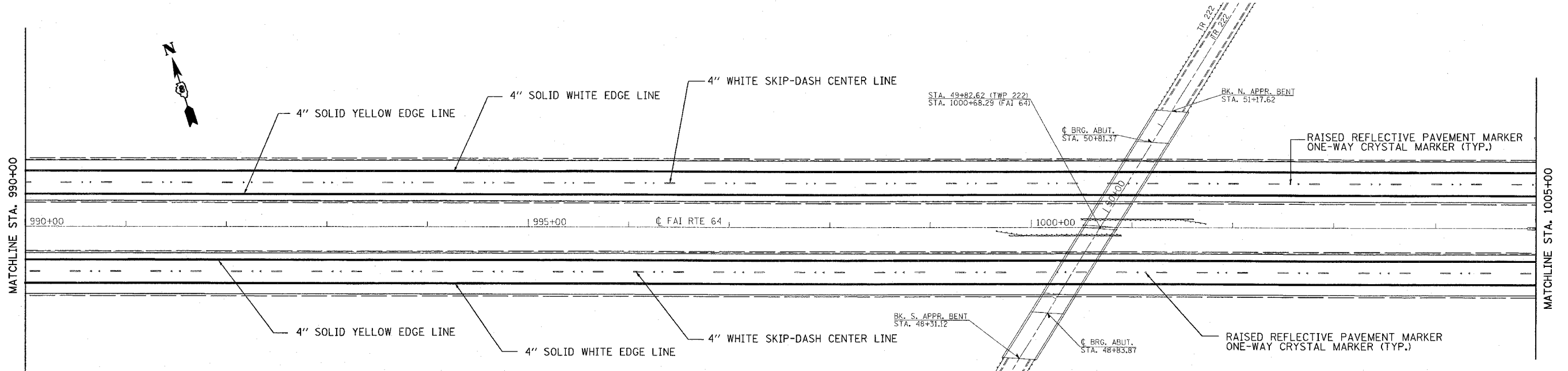
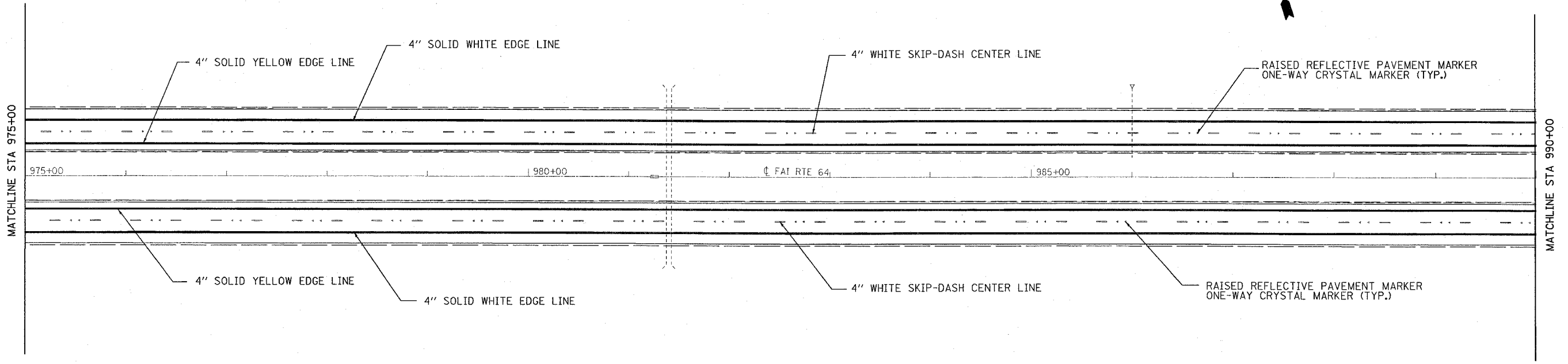
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE : 9/29/2006
 FILE NAME : c:\pavement\mkt\82-8rs-1\pavement\mkt\06\06b.dgn
 PLOT SCALE : 50.0000' / 1" IN.
 REFERENCE : NREF*

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	17
STA. 975+00 TO STA. 1005+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



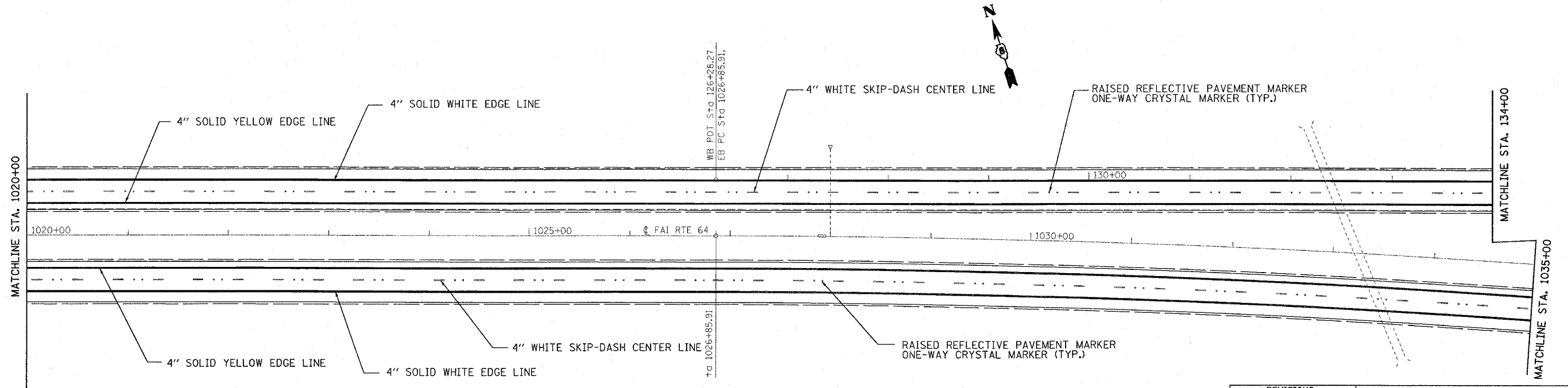
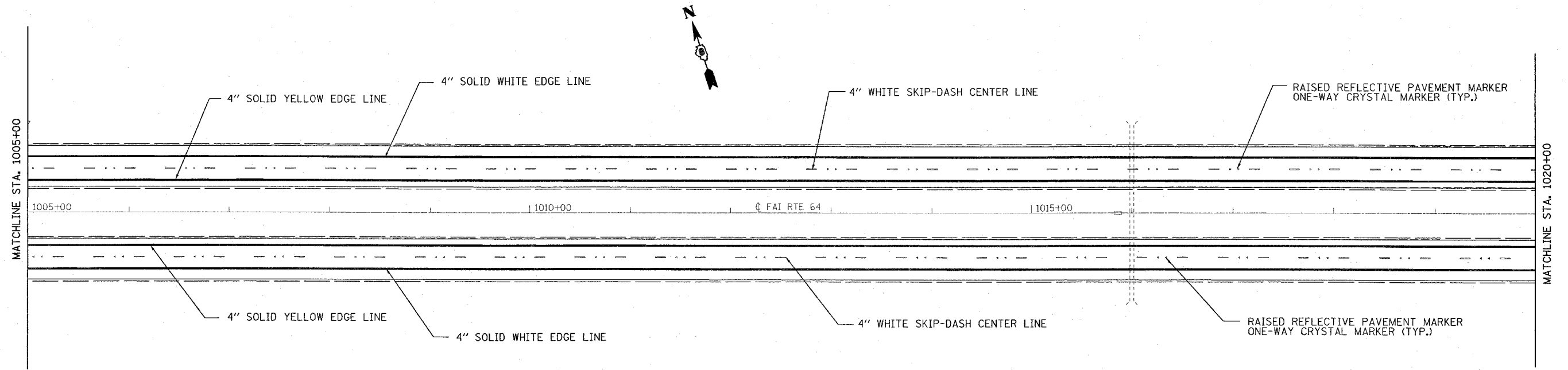
NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 9/28/2006
 FILE NAME = c:\work\proj\82-8rs-1\plan\pmark\0806.dgn
 PLOT SCALE = 50.0000' / 1" IN.
 REFERENCE = #REF#

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	18
STA. 1005+00		TO STA. 1035+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

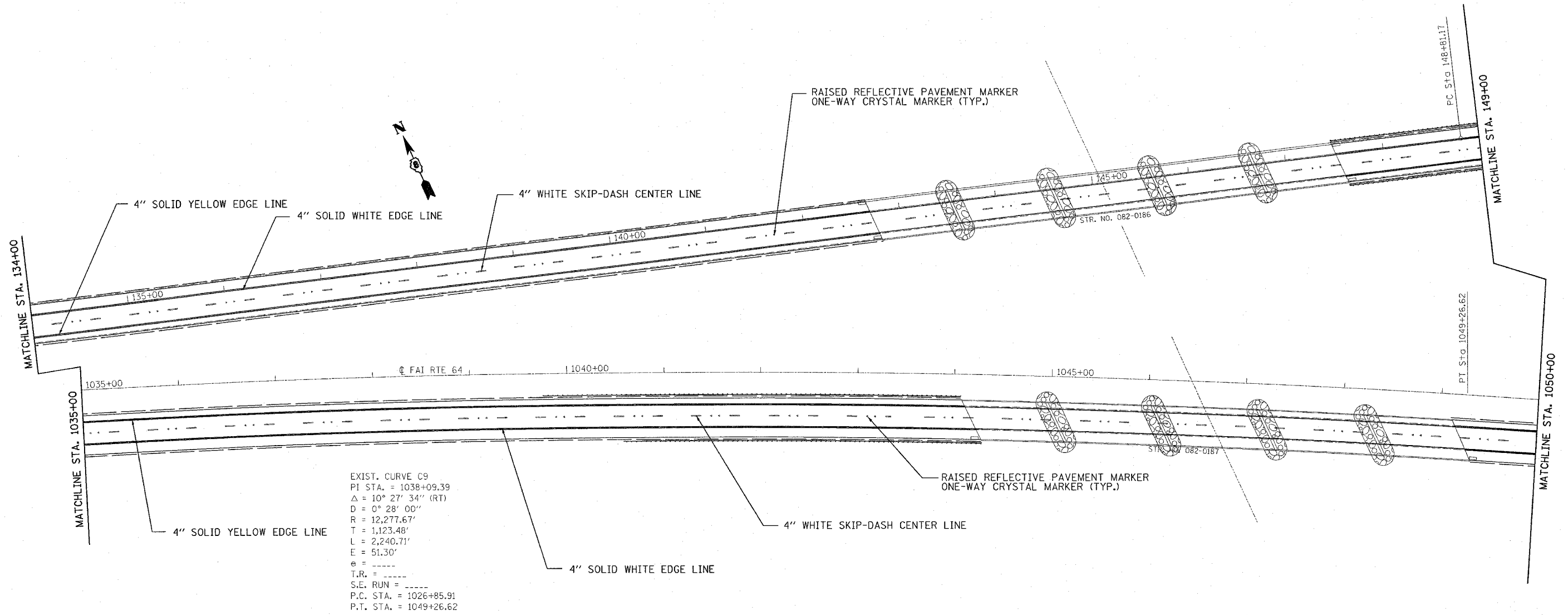
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-BRS-1
 ST. CLAIR COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 9/29/2006
 FILE NAME = c:\projects\ed0485\plan\pvmk\B485a.dgn
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 REFERENCE = REF#

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	19
STA. 1035+00		TO STA. 1050+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



EXIST. CURVE C9
 PI STA. = 1038+09.39
 $\Delta = 10^\circ 27' 34''$ (RT)
 $D = 0^\circ 28' 00''$
 $R = 12,277.67'$
 $T = 1,123.48'$
 $L = 2,240.71'$
 $E = 51.30'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1026+85.91$
 $P.T. \text{ STA.} = 1049+26.62$

NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

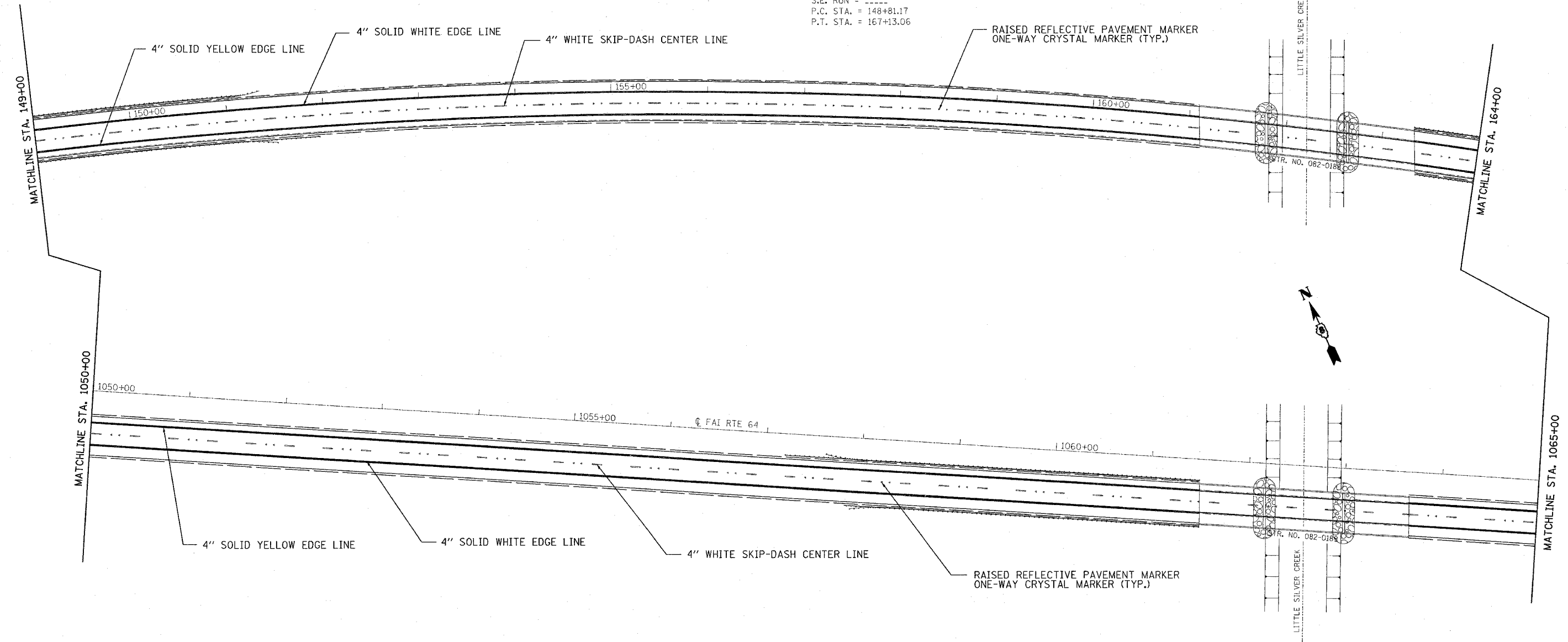
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 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/28/2006
 PLOT SCALE = 60/1000 / IN
 REFERENCE = SHEET #

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	20
STA. 1050+00		TO STA. 1065+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXIST. CURVE CURVEA
 PI STA. = 158+05.00
 $\Delta = 18^\circ 19' 08''$ (RT)
 D = 1° 00' 00"
 R = 5,729.58'
 T = 923.83'
 L = 1,831.89'
 E = 74.00'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 148+81.17
 P.T. STA. = 167+13.06



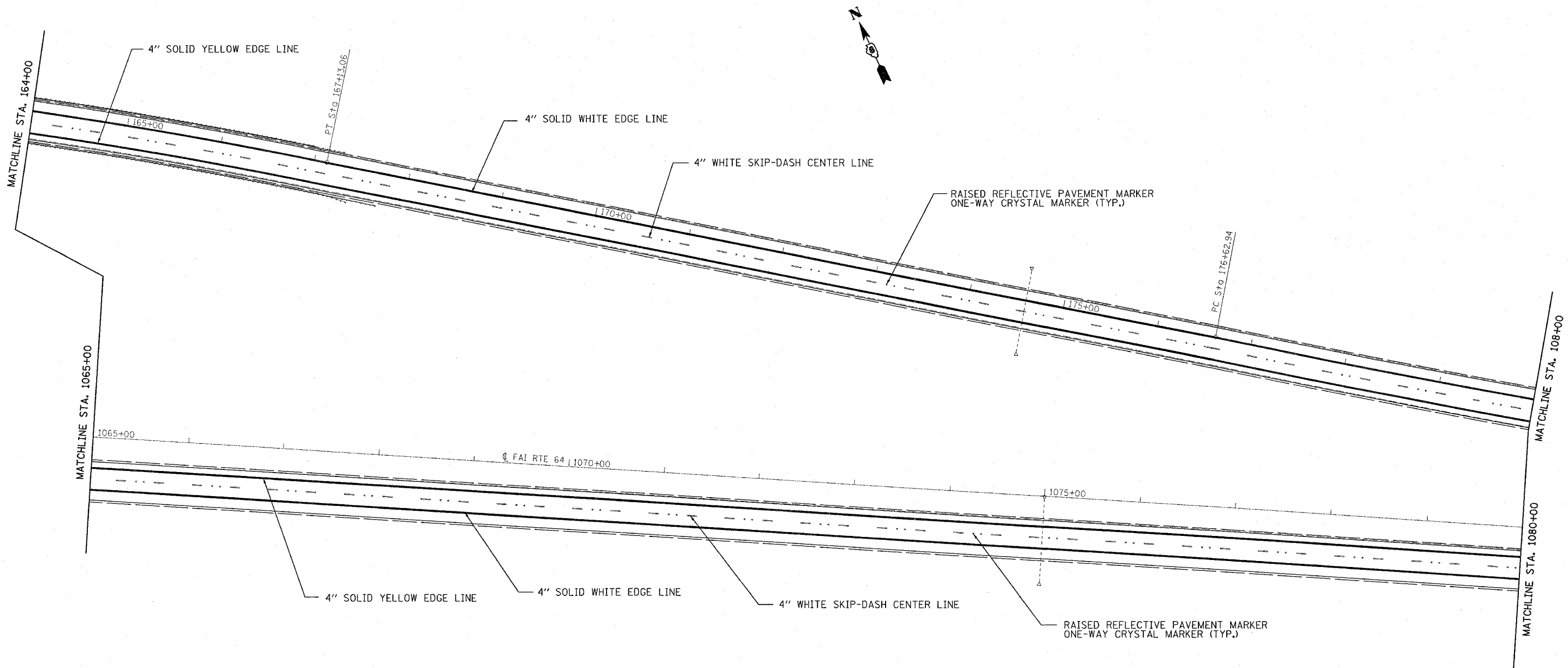
NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/29/2006
 PLOT SCALE = 1/4" = 100'-0"
 REFERENCE = SHEET #

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	21
STA. 1065+00 TO STA. 1080+00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

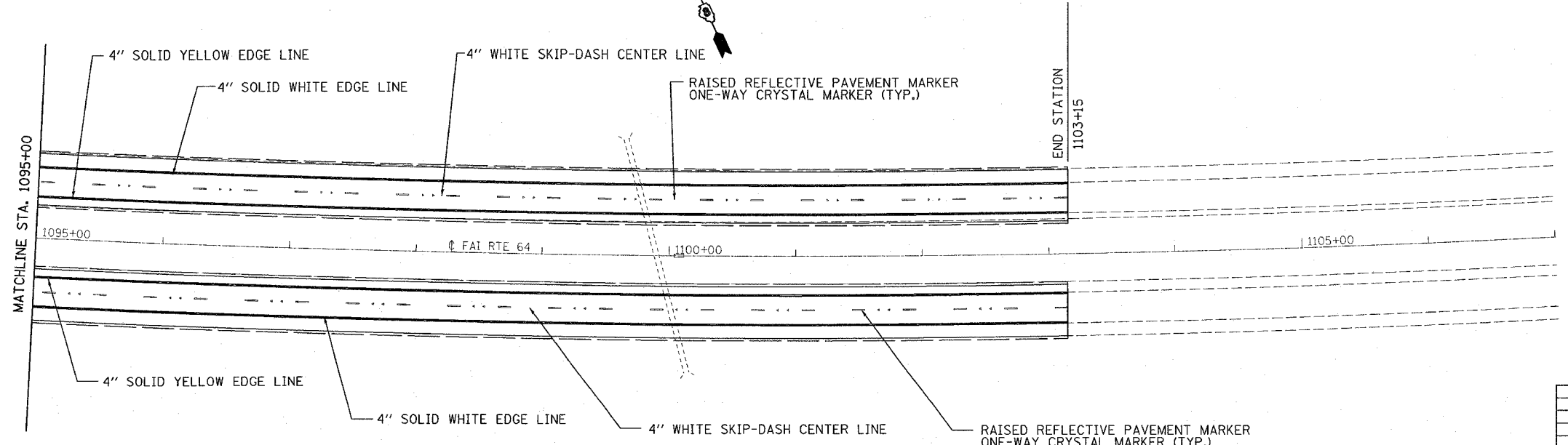
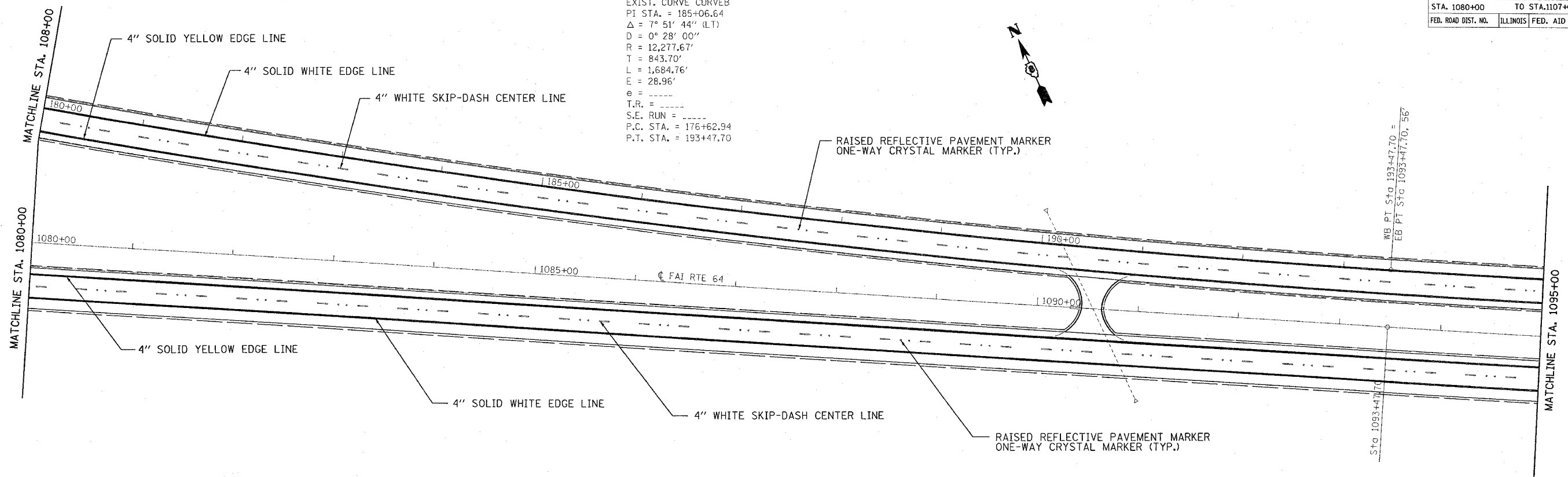
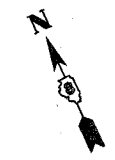
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-BRS-1
 ST. CLAIR COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/28/2006
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 REFERENCE = SHEET#

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	22
STA. 1080+00		TO STA. 1107+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXIST. CURVE CURVED
 PI STA. = 185+06.64
 $\Delta = 7^\circ 51' 44''$ (LT)
 $D = 0^\circ 28' 00''$
 $R = 12,277.67'$
 $T = 843.70'$
 $L = 1,684.76'$
 $E = 28.96'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 176+62.94$
 $P.T. STA. = 193+47.70$



NOTE : POLYUREA PAVEMENT MARKING SHALL BE USED ON CONCRETE BRIDGE DECKS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SHEET
 FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

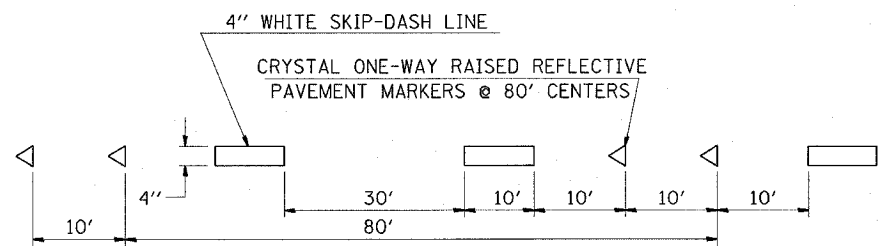
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 REFERENCE = REF

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

LOCATION	LENGTH (FT)	PREFORMED	THERMOPLASTIC		POLYUREA		SKIP-DASH WHITE 4"	PAINT		SKIP-DASH YELLOW 4"	RAISED REFLECTIVE PAVEMENT MARKERS			BARRIER WALL MARKERS		
		SKIP-DASH WHITE 4"	SOLID LINE 4"		SOLID LINE 4"			SOLID LINE 4"			BRIDGE	CRYSTAL	REMOVAL	TYPE, B	TYPE, C	
		(CENTERLINE)	(YELLOW)	(WHITE)	(YELLOW)	(WHITE)		(YELLOW)	(WHITE)		CRYSTAL ONE WAY (EACH)	ONE-WAY (EACH)	(EACH)	(EACH)	(EACH)	
EASTBOUND																
STA. 948+05 TO 1044+16	9611	2403	9611	9611									240	120		
STA. 1049+20 TO 1061+50	1230	308	1230	1230									32	16		
STA. 1063+67 TO 1103+15	3948	987	3948	3948									98	49		
WESTBOUND																
STA. 948+05 TO 1026+85	7881	1971	7881	7881									198	99		
STA. 126+27 TO 142+69	1642	411	1642	1642									42	21		
STA. 147+51 TO 161+10	1359	340	1359	1359									34	17		
STA. 163+33 TO 193+47	3014	754	3014	3014									76	38		
STA. 1093+47 TO 1103+15	968	242	968	968									24	12		
EASTBOUND STRUCTURES																
STA. 1044+16 TO 1049+20	504				504	504	126						12		12	12
STA. 1061+50 TO 1063+67	217				217	217	55						6		6	6
WESTBOUND STRUCTURES																
STA. 142+69 TO 147+51	482				482	482	121						12		12	12
STA. 161+10 TO 163+33	223				223	223	56						6		6	6
REIDER RD : S.N. 082-0185																
	286										70					
COLUMN TOTALS:																
		7416	29653	29653	1426	1426	358				70					
TOTALS			7416	59306	3210			70			36	744	372	36	36	



TYPICAL APPLICATION
FOR WHITE SKIP-DASH LINES
WITH RAISED REFLECTIVE PAVEMENT MARKERS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING SCHEDULE AND DETAILS
FAI ROUTE 64
SECTION 82-BRS-1
ST. CLAIR COUNTY

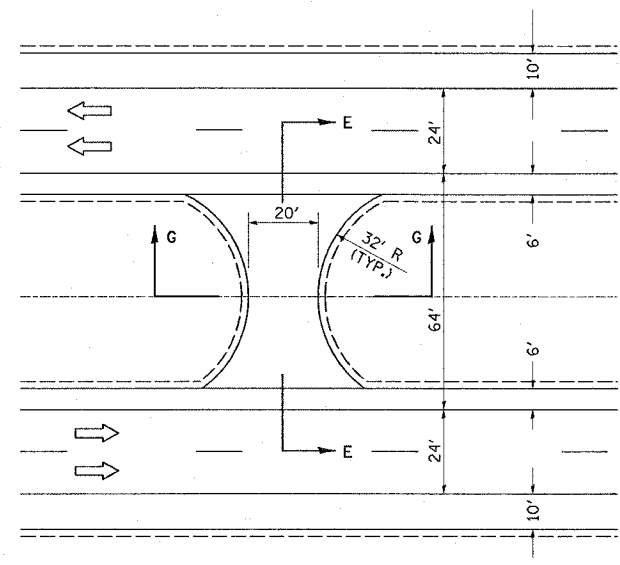
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DATE: HORIZ.

DRAWN BY
CHECKED BY

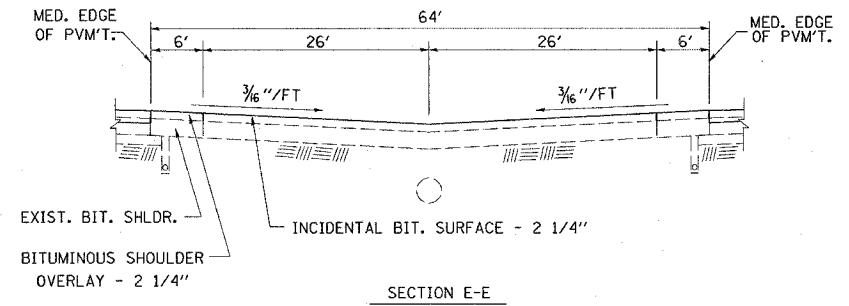
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FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	24
STA.		TO STA.		
CONTRACT NO.: 76037				

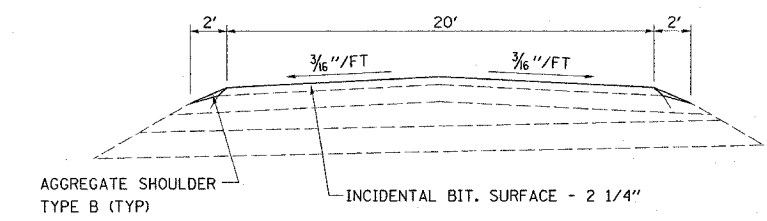
PLAN	REVISIONS	DATE
NOTED		
BY		
DATE		
BY		
DATE		
BY		
DATE		
BY		
DATE		
BY		
DATE		



MEDIAN CROSS-OVER DETAIL
STA. 961+10
STA. 1090+70

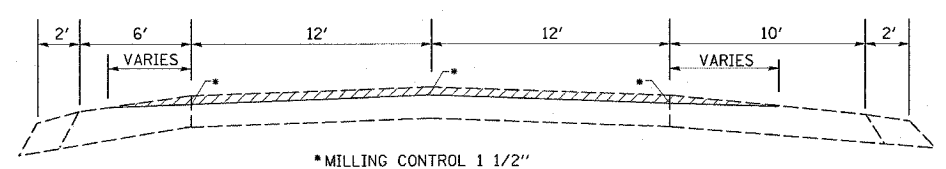


SECTION E-E




SECTION G-G

MILLING DETAILS



*MILLING CONTROL 1 1/2"

 BITUMINOUS SURFACE REMOVAL 1 1/2"

IN ORDER TO MAINTAIN POSITIVE DRAINAGE, THE CONTRACTOR SHALL MILL A PORTION OF THE EXISTING BITUMINOUS SHOULDERS AS SHOWN IN DETAIL ABOVE. A MILL DEPTH OF 1 1/2" SHALL BE MAINTAINED ACROSS THE FULL WIDTH OF THE TRAVELED LANES. THE MILLED SLOPE ACROSS THE SHOULDER SHALL BE THE SAME AS THE MILLED SLOPE USED THE TRAVELED LANES.

THE VARIABLE MILLING ACROSS THE SHOULDERS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'BITUMINOUS SURFACE REMOVAL 1 1/2"' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

REVISIONS	
NAME	DATE

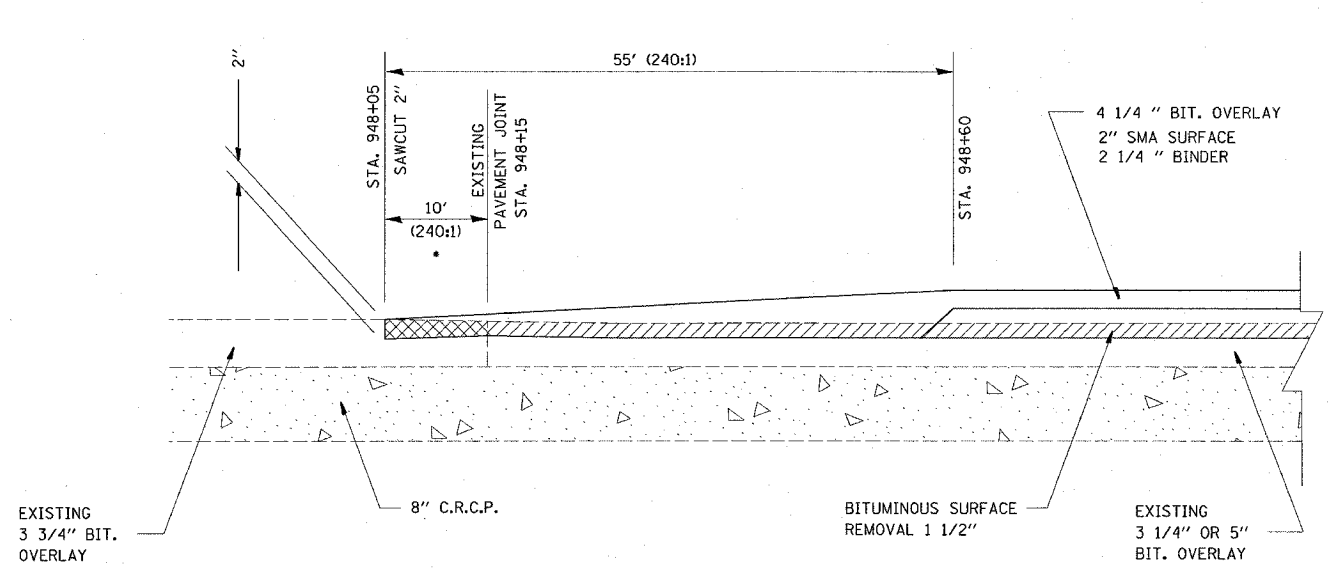
ILLINOIS DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS DETAILS
FAI ROUTE 64
SECTION 82-BRS-1
ST. CLAIR COUNTY
DRAWN BY:

PLOT DATE: 3/28/2006

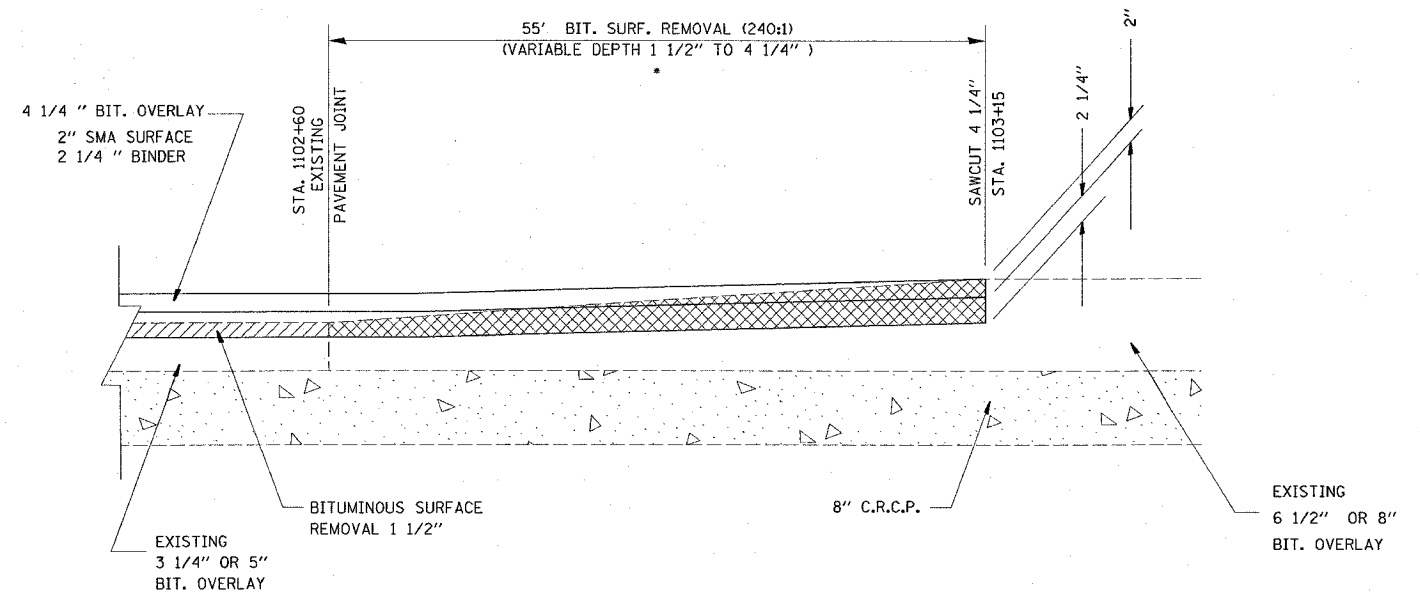
3/28/2006
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REF-

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8RS-1	ST. CLAIR	39	25
STA. TO STA.		CONTRACT NO.: 76037		

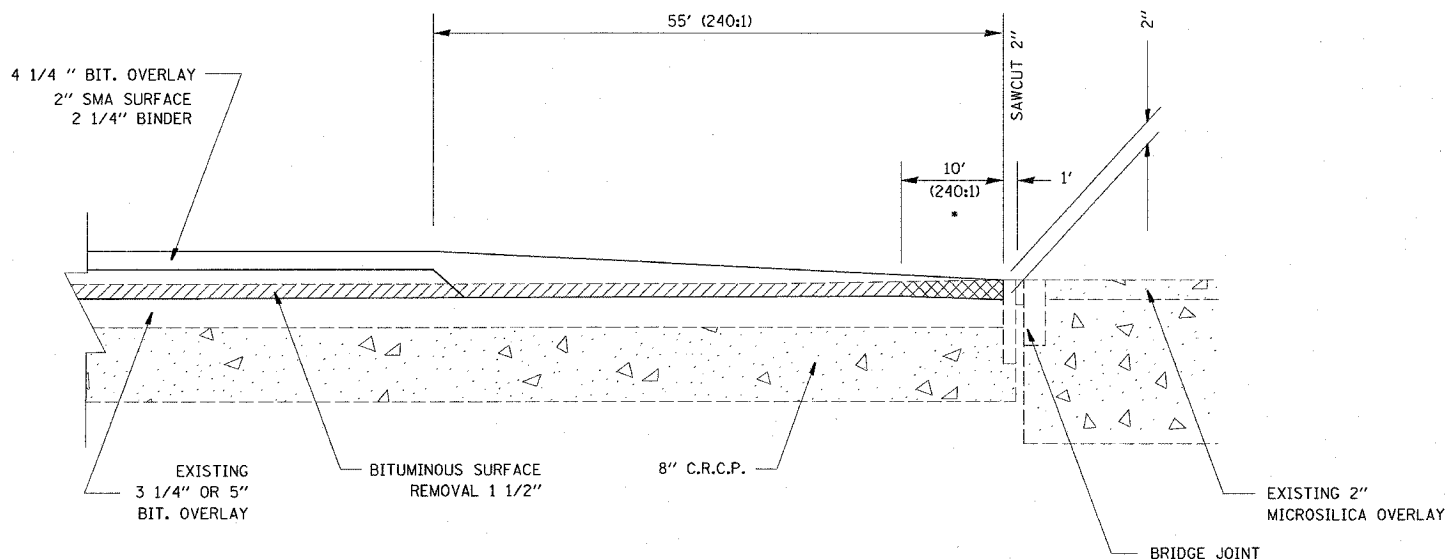
PLAN	DATE	BY
NO. _____	_____	_____
REVISIONS	DATE	BY
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____



WEST END JOINT DETAIL



EAST END JOINT DETAIL



BRIDGE JOINT DETAIL

- TYPICAL (4) STRUCTURES
 082-0186
 082-0187
 082-0188
 082-0189

• VARIABLE DEPTH BITUMINOUS SURFACE REMOVAL WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'BITUMINOUS SURFACE REMOVAL 1 1/2" '.

SAW CUTS WILL NOT BE PAID FOR SEPARATELY, BUT WILL ALSO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'BITUMINOUS SURFACE REMOVAL 1 1/2" '.

JOINT DETAILS APPLY TO SHOULDERS AND BRIDGE APPROACH SHOULDERS. MILLED MATERIAL MAY BE BITUMINOUS OR CONCRETE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JOINT DETAILS

FAI ROUTE 64
 SECTION 82-8RS-1
 ST. CLAIR COUNTY

DRAWN BY: _____

44017546
 3/28/2006
 c:\pcc\secta\edit\082\plan\p1n1018185.dgn
 REF-
 REF-

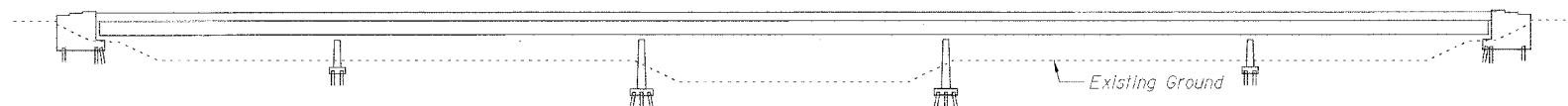
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SHEET 1
OF 3

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	26
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76037	

Sheet No.	Description
1	Gen. Plan, Gen. Notes & Total Bill of Mat'l
2	Superstructure
3	Substructure Details



ELEVATION

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60. Reinforcement bars designated (E) shall be epoxy coated.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy Coated".

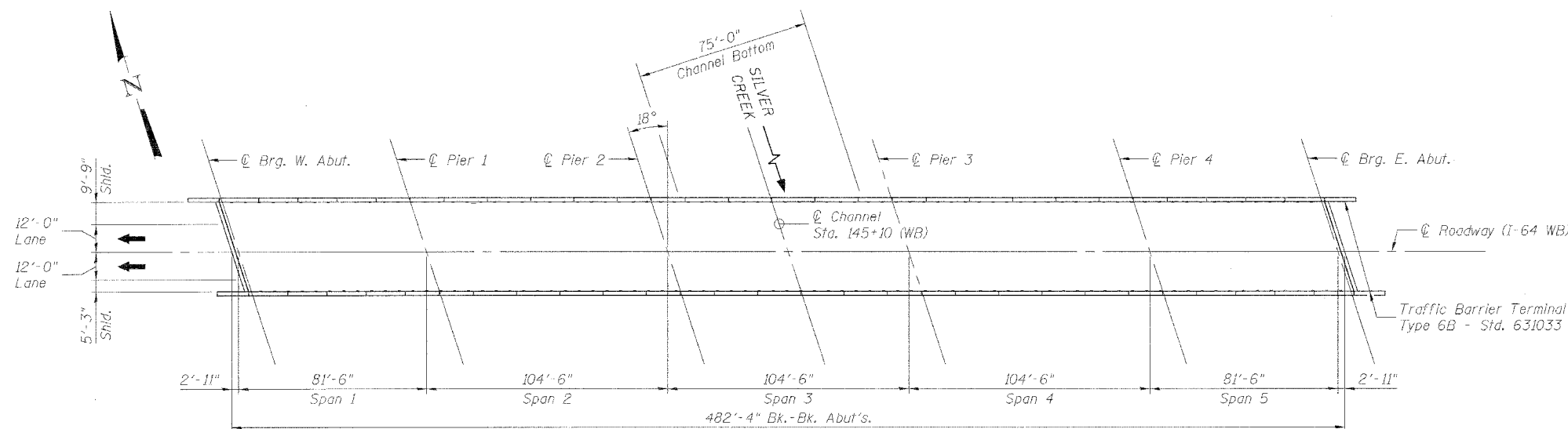
All structural steel shall be AASHTO M 270 Grade 36, unless noted otherwise.

All new structural steel (for Floor Drain Extension) shall be shop painted with an inorganic zinc rich primer per AASHTO M300, Type 1. Field painting of structural steel shall be done under a separate painting contract.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Field welding of construction accessories will not be permitted to beams or girders.

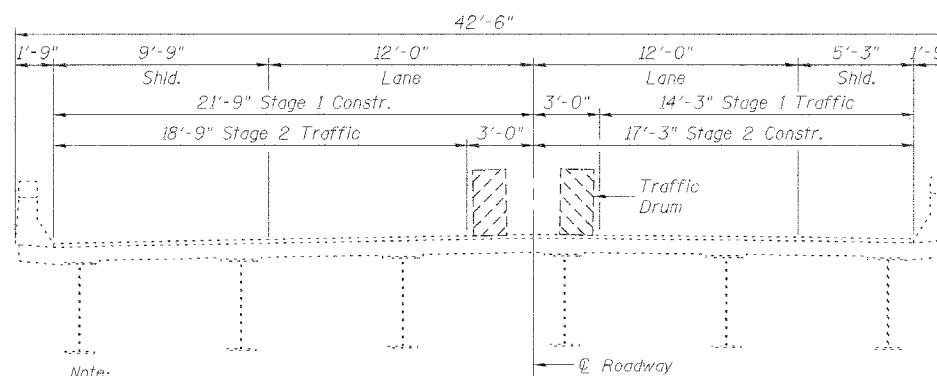
A Concrete Sealer shall be applied to the surfaces of the deck and parapets (See Special Provisions for BRIDGE DECK CONCRETE SEALER).



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd	--	582	582
Filter Fabric	Sq Yd	--	582	582
Joint or Crack Filling	Pound	--	140	140
Concrete Structures	Cu Yd	--	0.2	0.2
Floor Drain Extension	Each	1	--	1
Formed Concrete Repair (Depth <5")	Sq Ft	2	3	5
Reinforcement Bars, Epoxy Coated	Pound	--	40	40
Polymer Concrete	Cu Ft	12	--	12
Concrete Sealer	Sq Yd	2526	--	2526
Silicone Joint Sealer, 2.5"	Foot	44	--	44
Silicone Joint Sealer, 3"	Foot	44	--	44



CROSS SECTION
(Looking East)

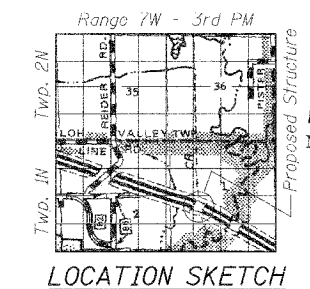
Note:
Staging is for information only, to be coordinated with roadway staging.

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CDB	DRAWN: P. Roy
CHECKED: DCD	CHECKED: CDB/DCD



Signed: *David Depp*
Date: *3-10-2006*
Lic. Expires: 11-30-2006



LOCATION SKETCH

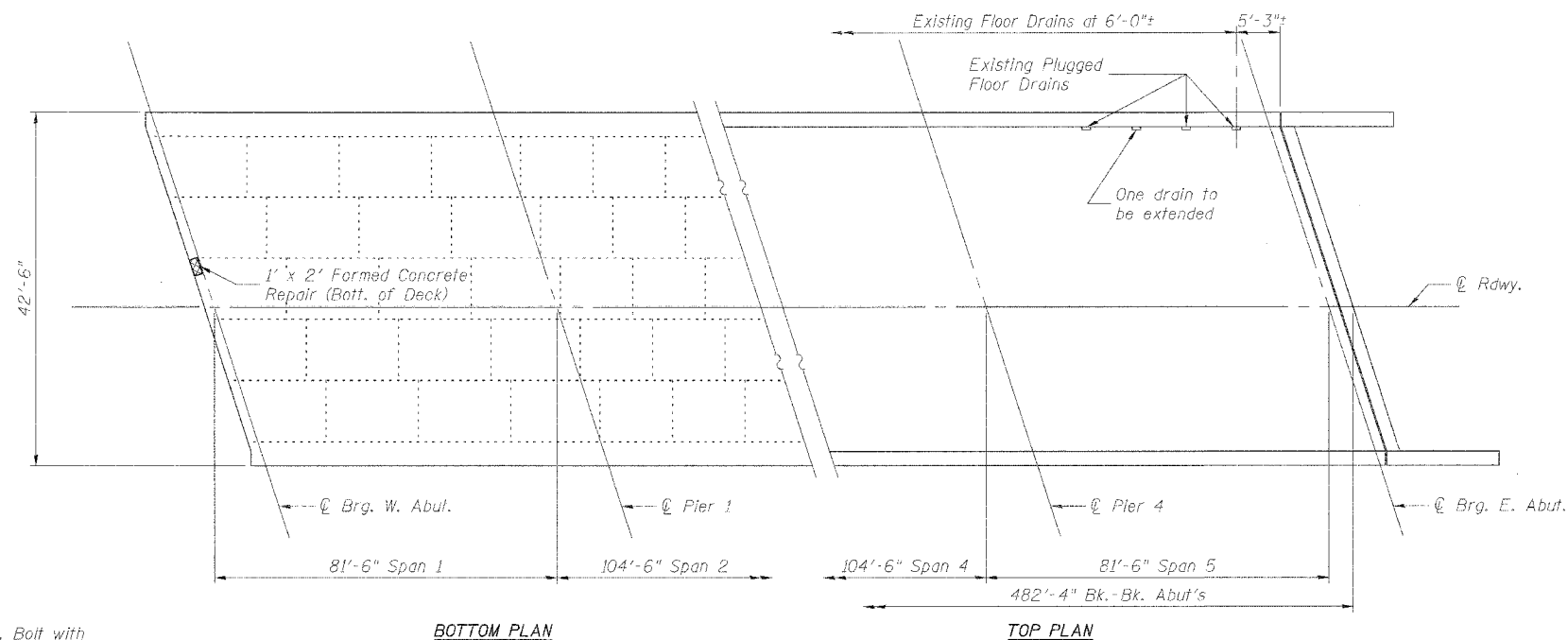
GENERAL PLAN
FAI 64 (WB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 145+10 (WB)
STRUCTURE NO. 082-0186

DATE: 03/10/2006 - 09:58:29 USER: P. Roy FILE: F:\10079_IL-38VW4_64 Bridge Repair - Silver Creek - R5-01.dgn

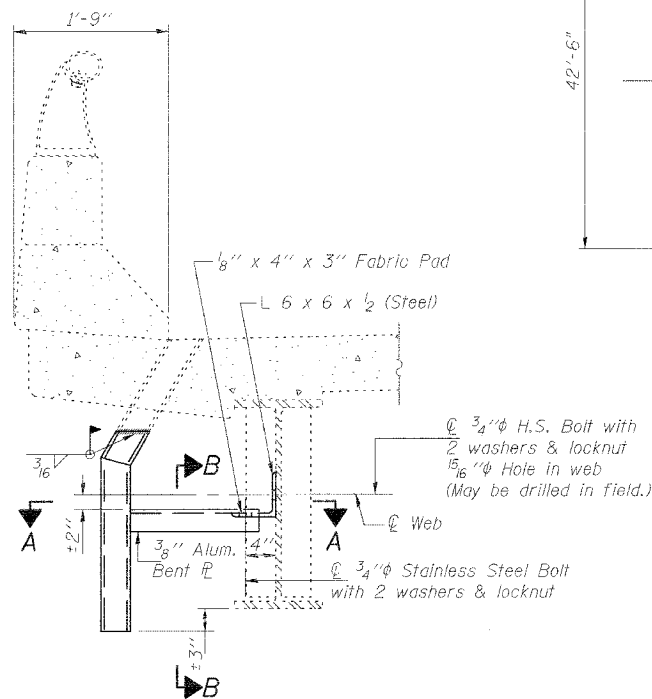
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 2
OF 3

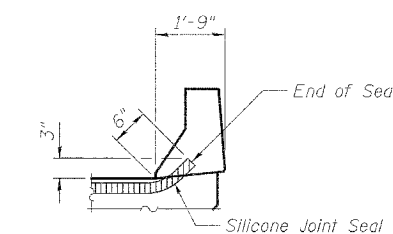
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	27
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 76037				



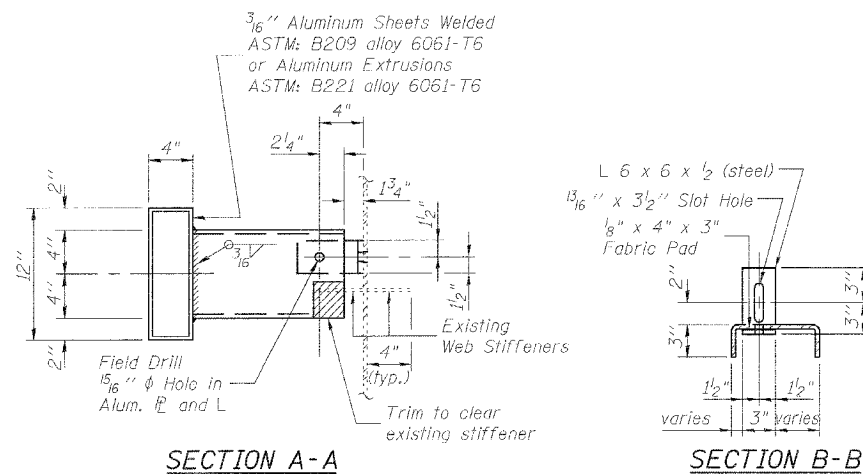
PARTIAL DECK PLAN



SECTION AT DRAIN EXTENSION

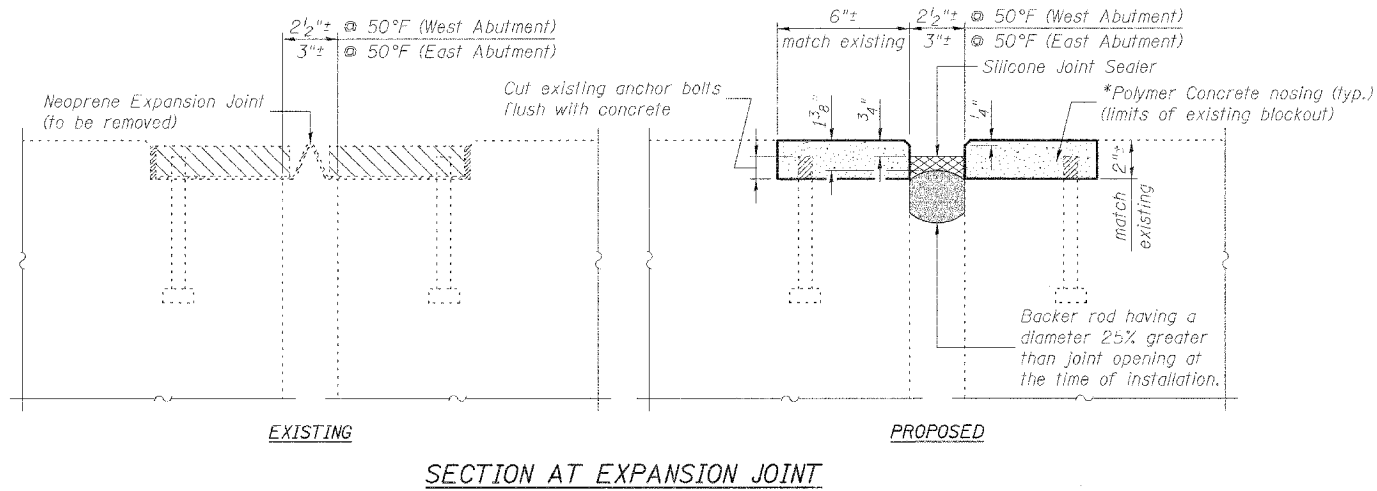


TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT



SECTION A-A

SECTION B-B



EXISTING

PROPOSED

SECTION AT EXPANSION JOINT

BILL OF MATERIAL

Floor Drain Extension	Each	1
Formed Concrete Repair (Depth = <5")	Sq. Ft.	2
Concrete Sealer	Sq. Yd.	2526
Silicone Joint Sealer, 2.5"	Foot	44
Silicone Joint Sealer, 3"	Foot	44
Polymer Concrete	Cu. Ft.	12

SUPERSTRUCTURE
FAI 64 (WB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 145+10 (WB)
STRUCTURE NO. 082-0186

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

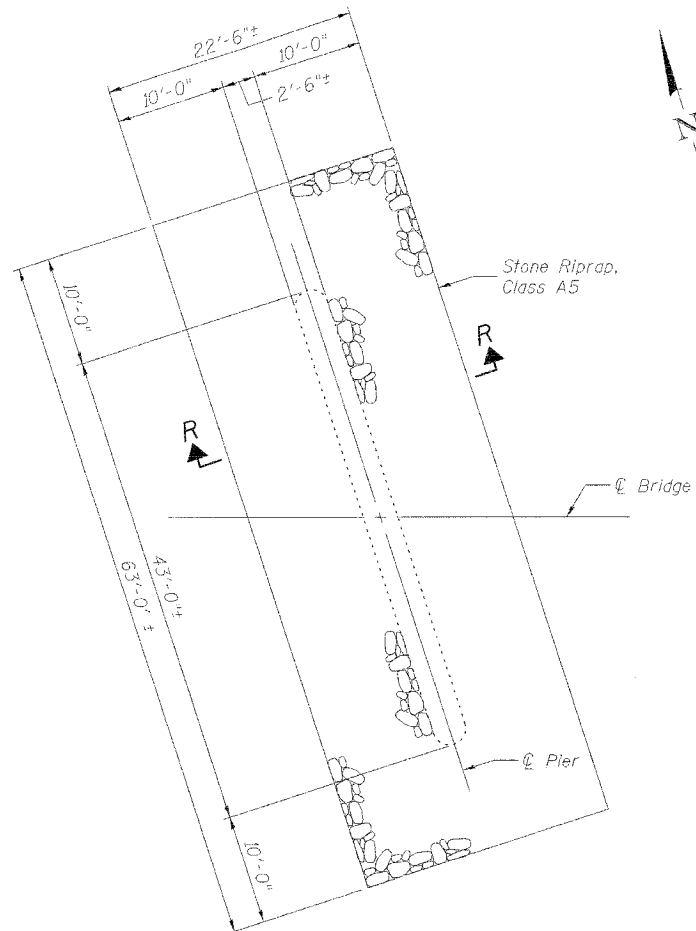
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CHECKED: DCD	CHECKED: CDB/DCD

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DATE: 03/10/2006 09:58:04

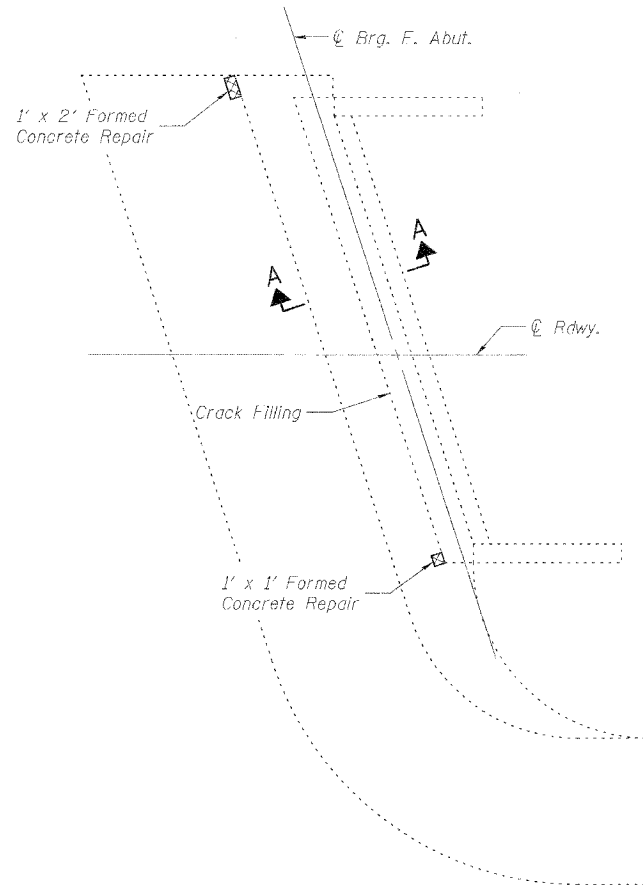
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 3
OF 3

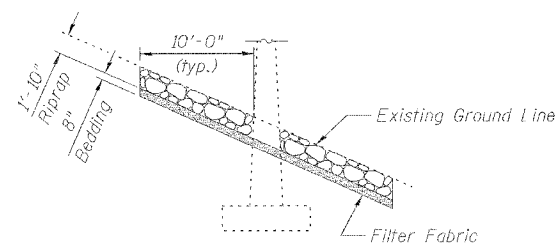
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	28
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76037	



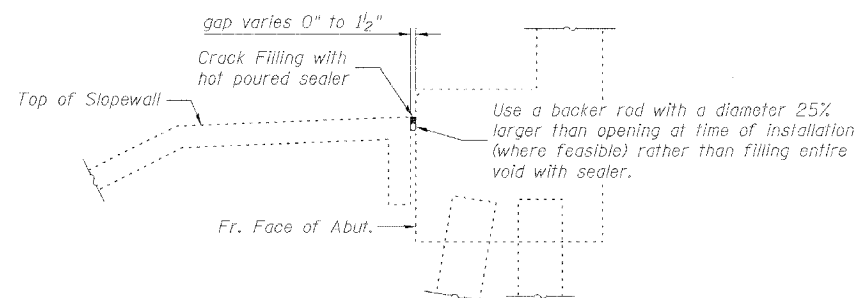
PLAN - RIPRAP AT PIERS
(Typical at Each Pier)



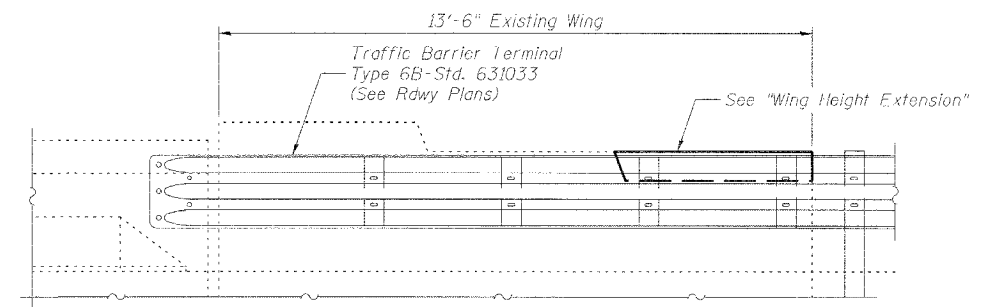
PLAN OF EAST SLOPEWALL



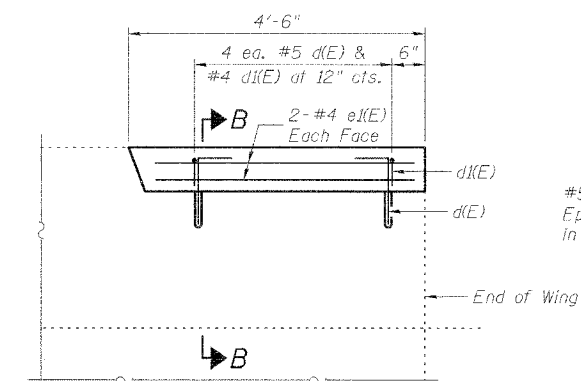
SECTION R-R
(Piers 2 & 3 shown, Piers 1 & 4 similar)



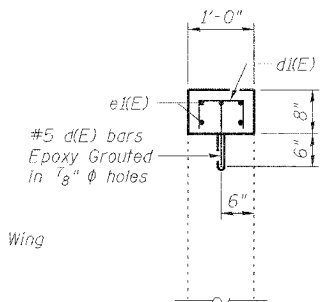
SECTION A-A



PROPOSED GUARDRAIL CONNECTION AT EAST ABUT.
(Replace existing guardrail connection)



WING HEIGHT EXTENSION
(Both wings at East Abutment only)



SECTION B-B



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	8	#5	1'-6"	L
d(E)	8	#4	1'-6"	Π
e(E)	8	#4	3'-11"	—
Stone Riprap, Class A5			Sq. Yd.	582
Filter Fabric			Sq. Yd.	582
Joint or Crack Filling			Pound	140
Formed Concrete Repair (Depth < 5")			Sq. Ft.	3
Concrete Structures			Cu. Yd.	0.2
Reinforcement Bars, Epoxy Coated			Pound	40

SUBSTRUCTURE DETAILS

FAI 64 (WB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 145+10 (WB)
STRUCTURE NO. 082-0186

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED:	CDB	DRAWN:	P. Ray
CHECKED:	DCD	CHECKED:	CDB/DCD

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USER: P. RAY

DATE: 03/10/2006 14:28:55

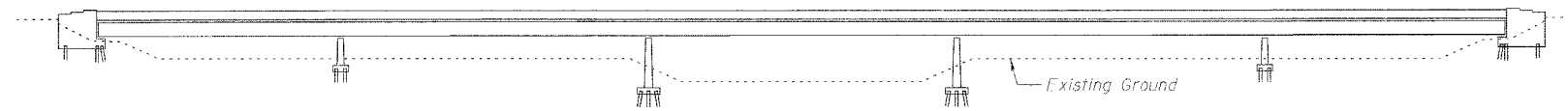
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SHEET 1
OF 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-8B	ST. CLAIR	39	29
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 76037				

Sheet No.	Description
1	Gen. Plan, Gen. Notes & Total Bill of Mat'l
2	Superstructure
3	Substructure Details



ELEVATION

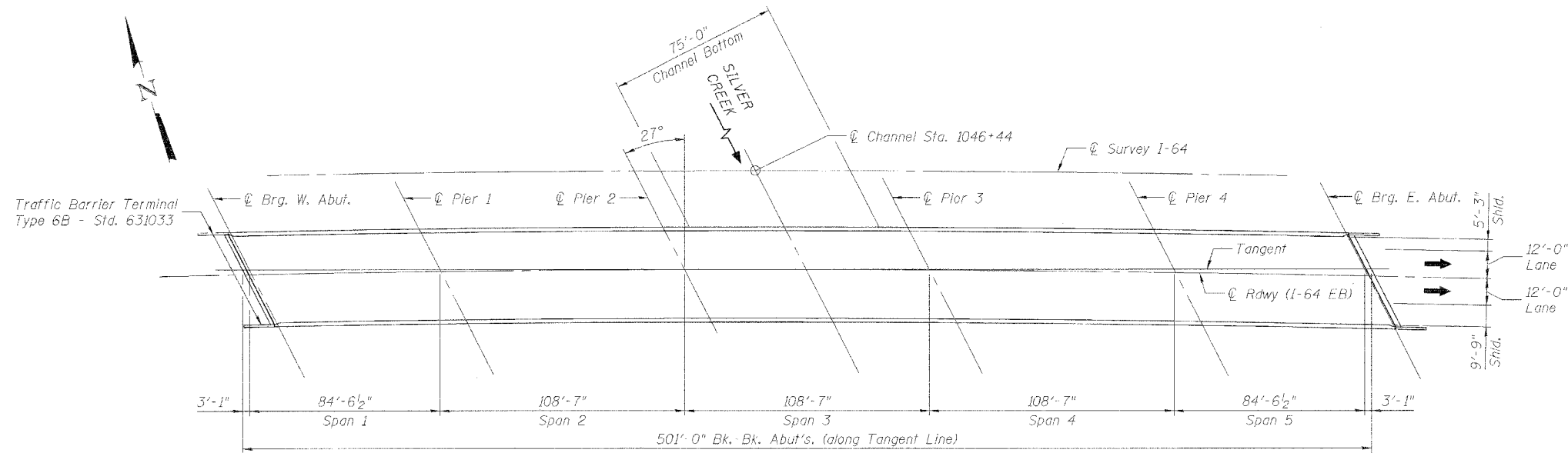
GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60. Reinforcement bars designated (E) shall be epoxy coated.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy Coated".

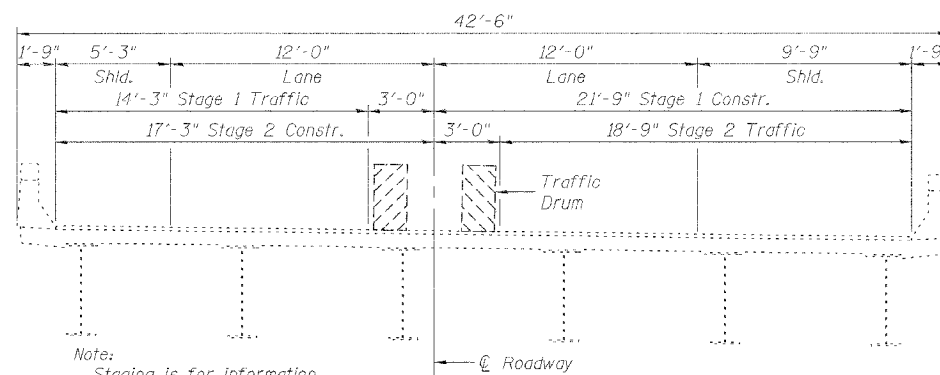
A Concrete Sealer shall be applied to the surfaces of the deck and parapets (See Special Provisions for BRIDGE DECK CONCRETE SEALER).



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd	--	600	600
Filter Fabric	Sq Yd	--	600	600
Joint or Crack Filling	Pound	--	290	290
Concrete Structures	Cu Yd	--	0.2	0.2
Formed Concrete Repair (Depth <5")	Sq Ft	1	12	13
Reinforcement Bars, Epoxy Coated	Pound	--	40	40
Polymer Concrete	Cu Ft	6	--	6
Concrete Sealer	Sq Yd	2624	--	2624
Silicone Joint Sealer, 2.5"	Foot	47	--	47
Silicone Joint Sealer, 3"	Foot	47	--	47



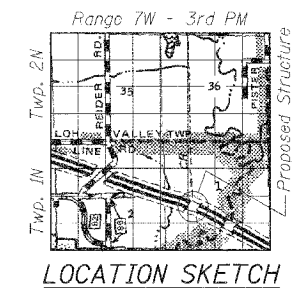
CROSS SECTION
(Looking East)

Note:
Staging is for information only, to be coordinated with roadway staging.

DESIGNED:	CDB	DRAWN:	P. Roy
CHECKED:	DCD	CHECKED:	CDB/DCD



Signed: *David Depp*
Date: *3-10-2006*
Lic. Expires: 11-30-2006

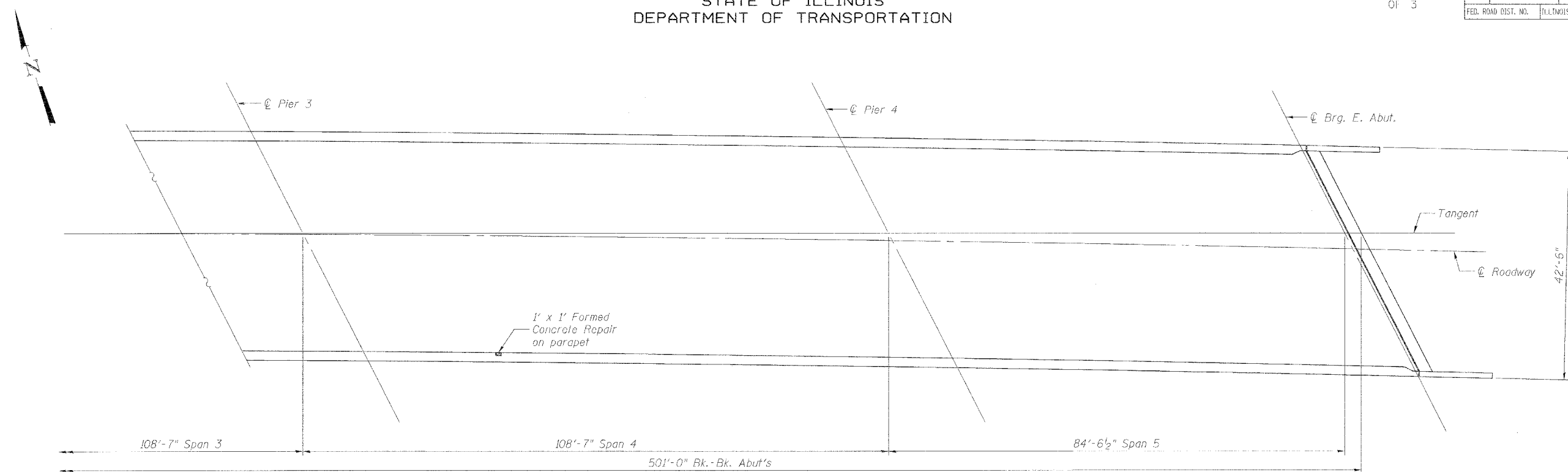


GENERAL PLAN
FAI 64 (EB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1046+44
STRUCTURE NO. 082-0187

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

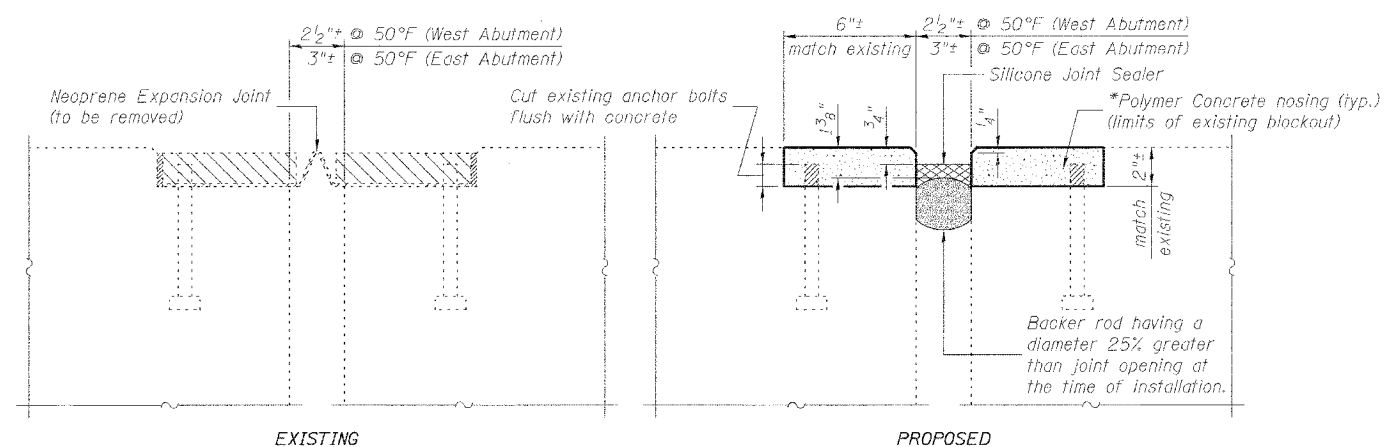
SHEET 2
OF 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	30
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76037	

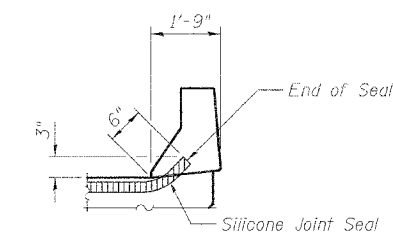


PARTIAL DECK PLAN

*Note:
A Polymer Concrete Nosing has already been applied to a 27' section (both lanes) at each abutment and does NOT need to be re-applied at these sections. Only remove the existing sealer and install the Silicone Joint Sealer.



SECTION AT EXPANSION JOINT



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

BILL OF MATERIAL

Concrete Sealer	Sq. Yd.	2624
Formed Concrete Repair (Depth < 5")	Sq. Ft.	1
Silicone Joint Sealer, 2.5"	Foot	47
Silicone Joint Sealer, 3"	Foot	47
Polymer Concrete	Cu. Ft.	6

SUPERSTRUCTURE
FAI 64 (EB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1046+44
STRUCTURE NO. 082-0187

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

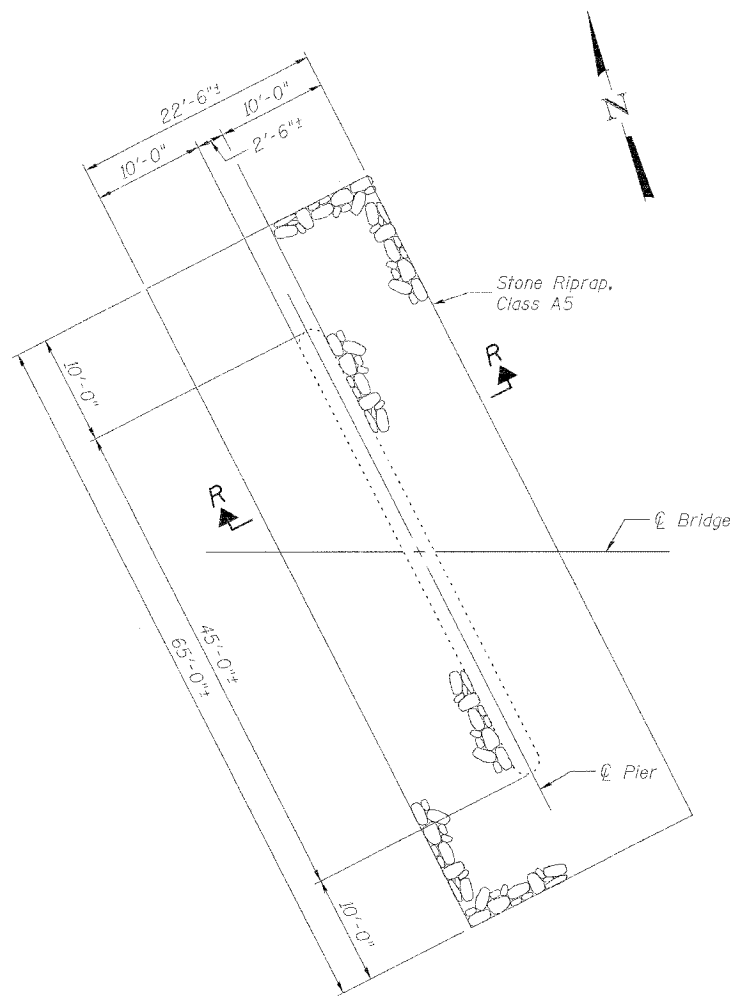
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CHECKED: DCD	CHECKED: CDB/DCD

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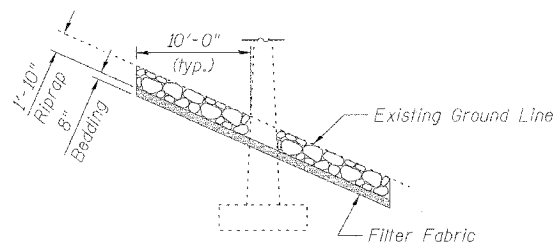
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 3
OF 3

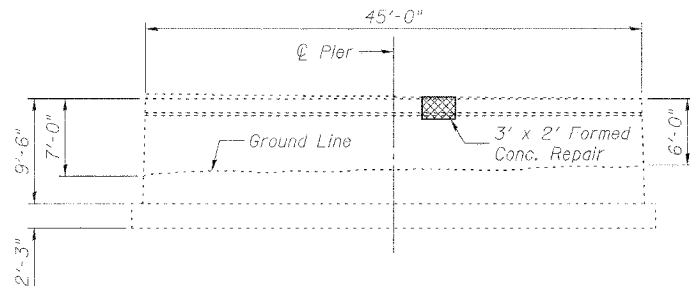
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	31
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76037	



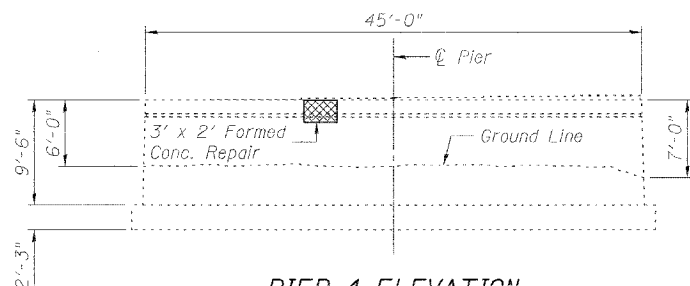
PLAN - RIPRAP AT PIERS
(Typical at Each Pier)



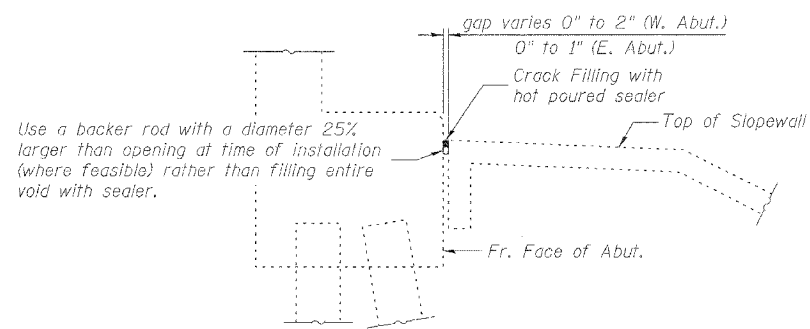
SECTION R-R
(Piers 2 & 3 shown,
Piers 1 & 4 similar)



PIER 4 ELEVATION
(Facing East)

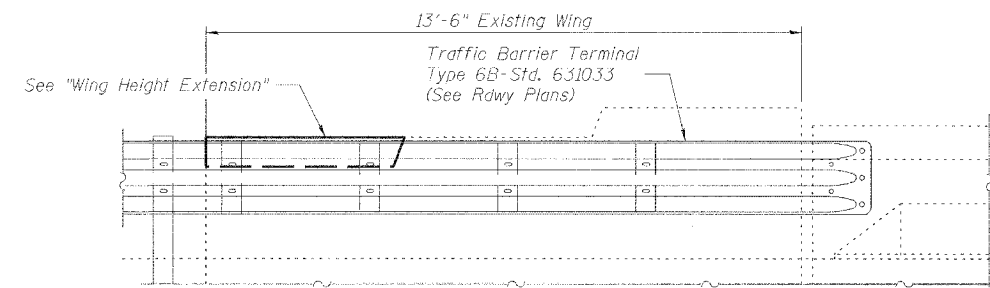


PIER 4 ELEVATION
(Facing West)

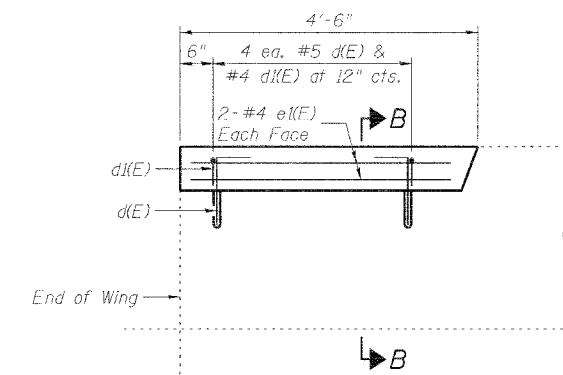


SECTION AT ABUTMENT SLOPEWALL
(West & East Abutments)

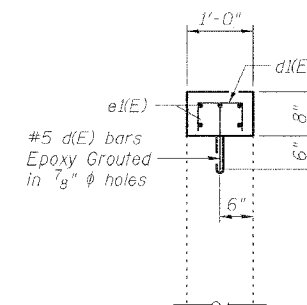
Use a backer rod with a diameter 25% larger than opening at time of installation (where feasible) rather than filling entire void with sealer.



PROPOSED GUARDRAIL CONNECTION AT WEST ABUT.
(Replace existing guardrail connection)



WING HEIGHT EXTENSION
(Both wings at West Abutment only)



SECTION B-B



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	8	#5	1'-6"	L
d(E)	8	#4	1'-6"	Π
e(E)	8	#4	3'-11"	—
Stone Riprap, Class A5			Sq. Yd.	600
Filter Fabric			Sq. Yd.	600
Joint or Crack Filling			Pound	290
Formed Concrete Repair (Depth <=5")			Sq. Ft.	12
Concrete Structures			Cu. Yd.	0.2
Reinforcement Bars, Epoxy Coated			Pound	40

SUBSTRUCTURE DETAILS

FAI 64 (EB) OVER
SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1046+44
STRUCTURE NO. 082-0187



DESIGNED: CDB DRAWN: P. Roy
CHECKED: DCD CHECKED: CDB/DCD

FILE: F:\N0103 IL-08VW*4 I-64 Bridge Repairs I561213-SNOB7-SilverCreek-EB-C31pier.dgn

USER: P. Roy

DATE: 03/10/2006 14:00:17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

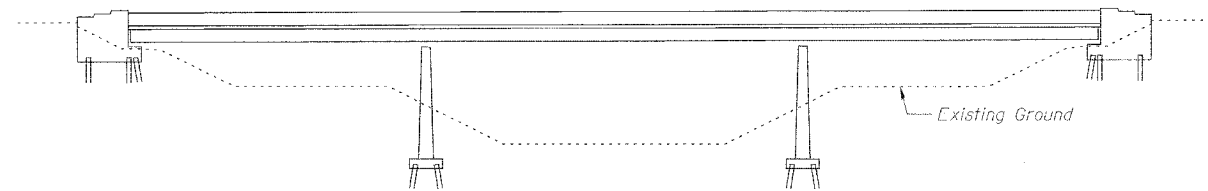
INDEX OF SHEETS

SHEET 1
OF 3

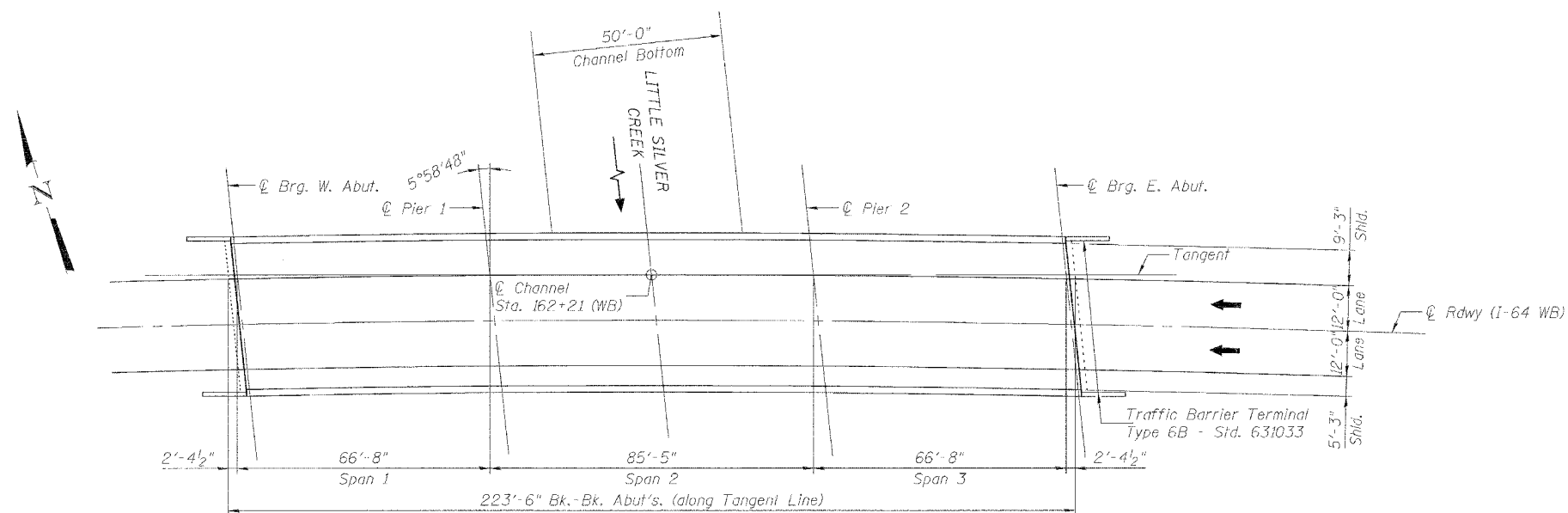
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	32
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. T6037

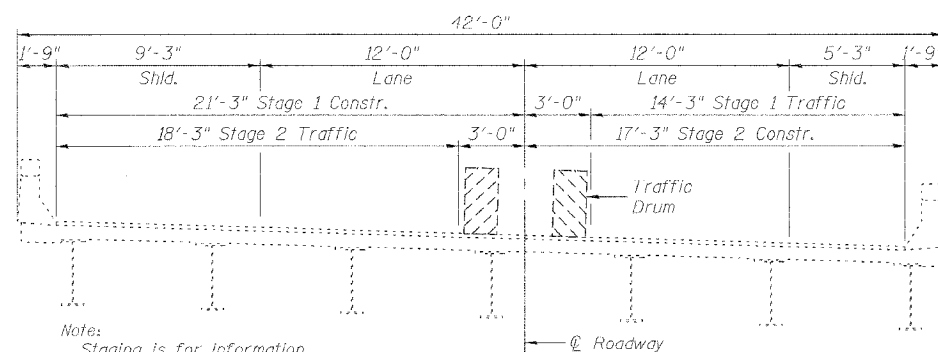
Sheet No.	Description
1	Gen. Plan, Gen. Notes & Total Bill of Mat'l
2	Superstructure
3	Substructure Details



ELEVATION



PLAN



CROSS SECTION
(Looking East)

Note:
Staging is for information only, to be coordinated with roadway staging.

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60. Reinforcement bars designated (E) shall be epoxy coated.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy Coated".

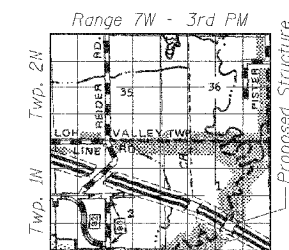
A Concrete Sealer shall be applied to the surfaces of the deck and parapets (See Special Provisions for BRIDGE DECK CONCRETE SEALER).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd	--	292	292
Filter Fabric	Sq Yd	--	292	292
Joint or Crack Filling	Pound	--	132	132
Concrete Structures	Cu Yd	--	0.2	0.2
Formed Concrete Repair (Depth <5")	Sq Ft	--	4	4
Reinforcement Bars, Epoxy Coated	Pound	--	40	40
Polymer Concrete	Cu Ft	7	--	7
Silicone Joint Sealer, 2"	Foot	41	--	41
Concrete Sealer	Sq Yd	1158	--	1158
Silicone Joint Sealer, 1 1/4"	Foot	41	--	41
Deck Slab Repair (Partial)	Sq Yd	2	--	2



Signed: *David Depp*
Date: *3-10-2006*
Lic. Expires: 11-30-2006



LOCATION SKETCH

GENERAL PLAN
FAI 64 (WB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 162+21 (WB)
STRUCTURE NO. 082-0188



DESIGNED: CDB DRAWN: P. Roy
CHECKED: DCD CHECKED: CDB/DCD

FILE: F:\039_IL-DBVW\4-64 Bridge Repair\4-64 Bridge Repair - Little Silver Cr - WB\03plan.dgn

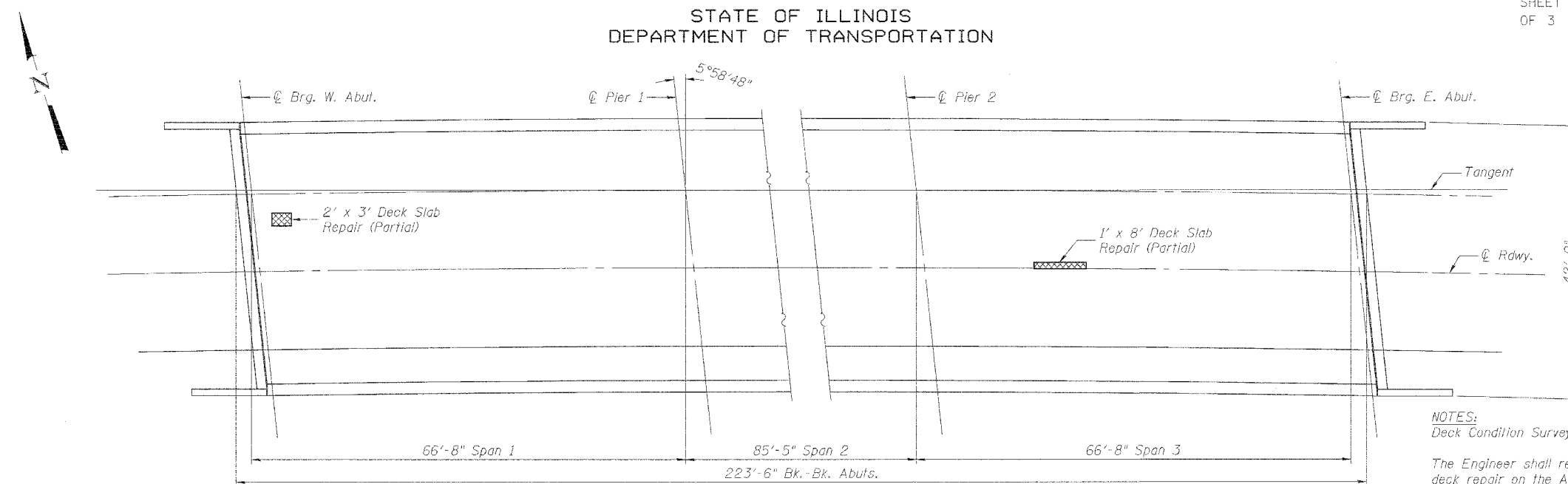
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DATE: 03/10/2006 10:28:44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

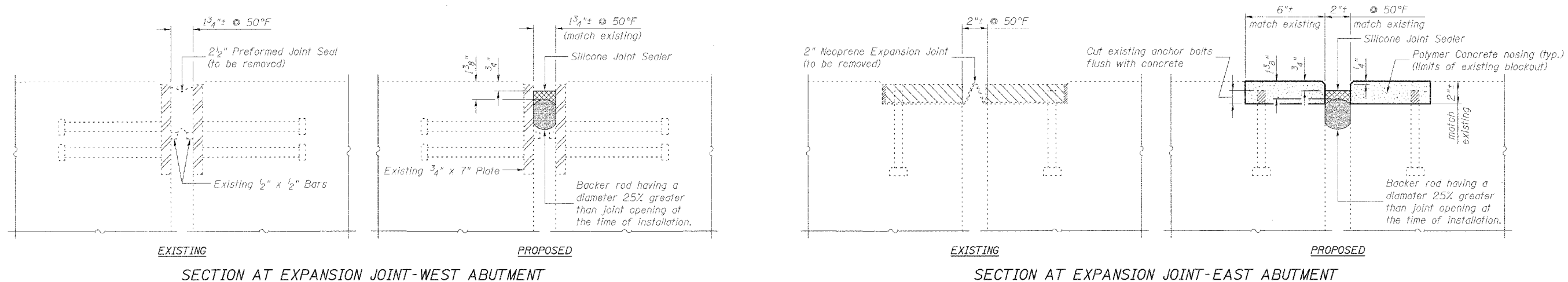
SHEET 2
OF 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	33
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 76037	



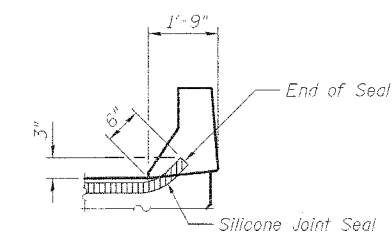
NOTES:
Deck Condition Survey performed May 17, 2005.
The Engineer shall record actual locations of deck repair on the As-Built plans.

PARTIAL DECK PLAN



SECTION AT EXPANSION JOINT-WEST ABUTMENT

SECTION AT EXPANSION JOINT-EAST ABUTMENT



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

BILL OF MATERIAL

Concrete Sealer	Sq. Yd.	1158
Polymer Concrete	Cu. Ft.	7
Silicone Joint Sealer, 2"	Foot	41
Silicone Joint Sealer, 1 3/4"	Foot	41
Deck Slab Repair (Partial)	Sq. Yd.	2

SUPERSTRUCTURE
FAI 64 (WB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 162+21 (WB)
STRUCTURE NO. 082-0188

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

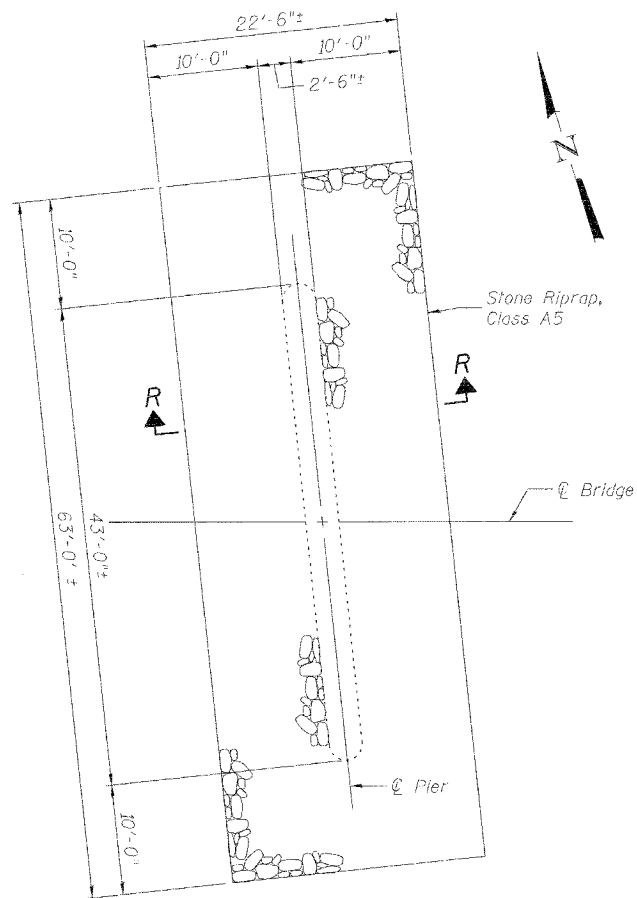
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CHECKED: DCD	CHECKED: CDB/DCD

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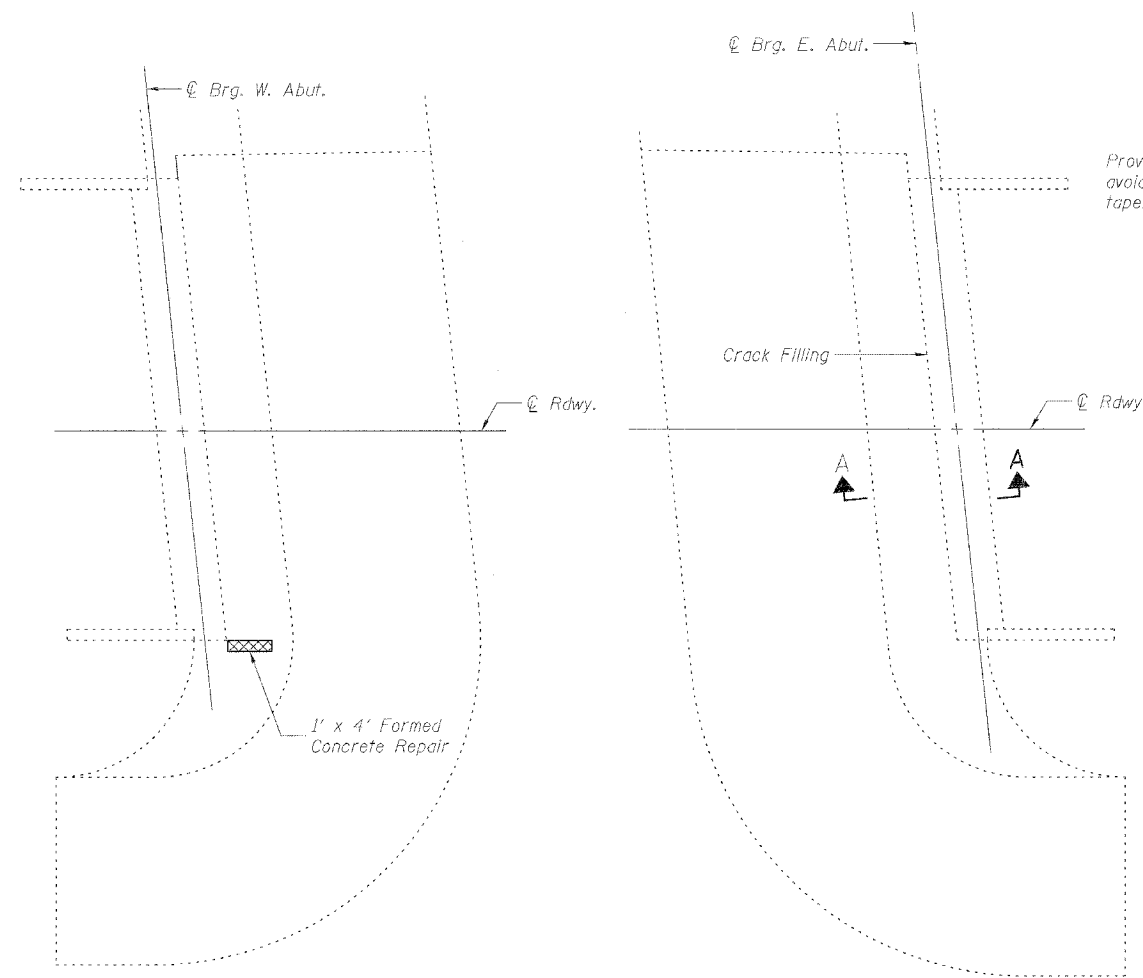
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 3
OF 3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	34
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. T6037				

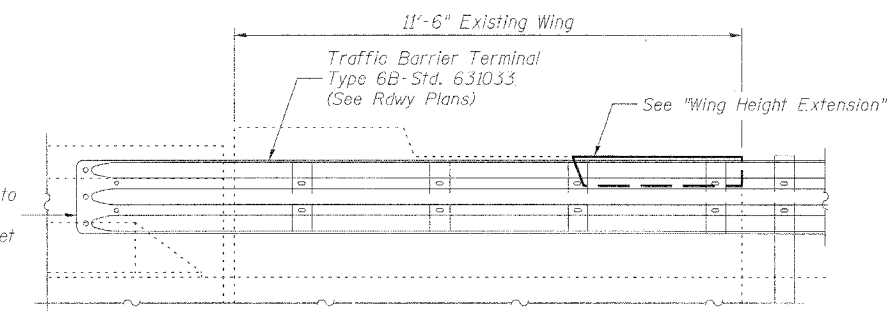


PLAN - RIPRAP AT PIERS
(Typical at Each Pier)

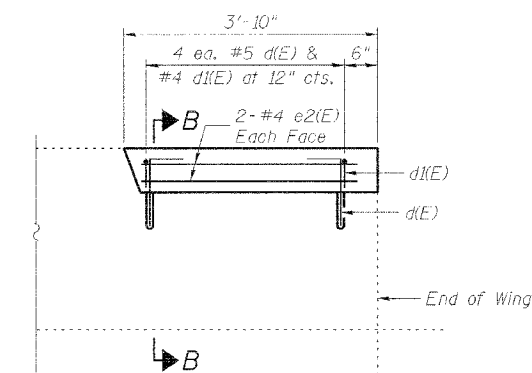


PLAN OF WEST SLOPEWALL

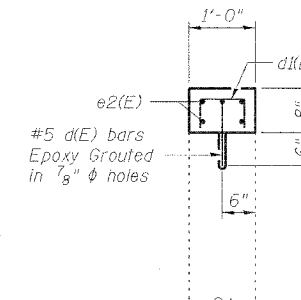
PLAN OF EAST SLOPEWALL



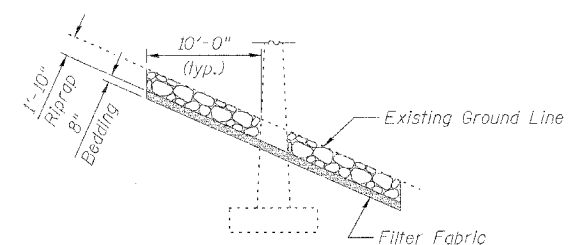
PROPOSED GUARDRAIL CONNECTION AT EAST ABUT.
(Replace existing guardrail connection)



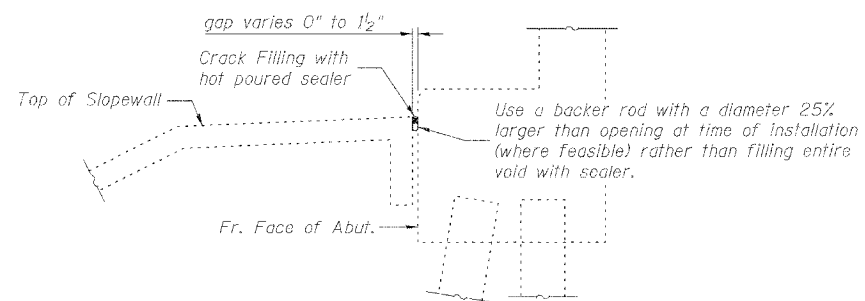
WING HEIGHT EXTENSION
(Both wings at East Abutment only)



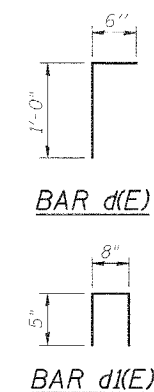
SECTION B-B



SECTION R-R



SECTION A-A



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	8	#5	1'-6"	L
d(E)	8	#4	1'-6"	Π
e2(E)	8	#4	3'-3"	—
Stone Riprap, Class A5			Sq. Yd.	292
Filter Fabric			Sq. Yd.	292
Joint or Crack Filling			Pound	132
Formed Concrete Repair (Depth <5")			Sq. Ft.	4
Concrete Structures			Cu. Yd.	0.2
Reinforcement Bars, Epoxy Coated			Pound	40

SUBSTRUCTURE DETAILS
FAI 64 (WB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 162+21 (WB)
STRUCTURE NO. 082-0188

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USER: P. Roy
DATE: 03/10/2006 - 14:04:00

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CDB	DRAWN: P. Roy
CHECKED: DCD	CHECKED: CDB/DCD

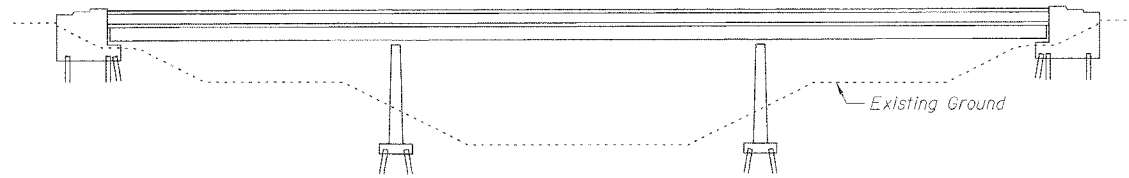
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

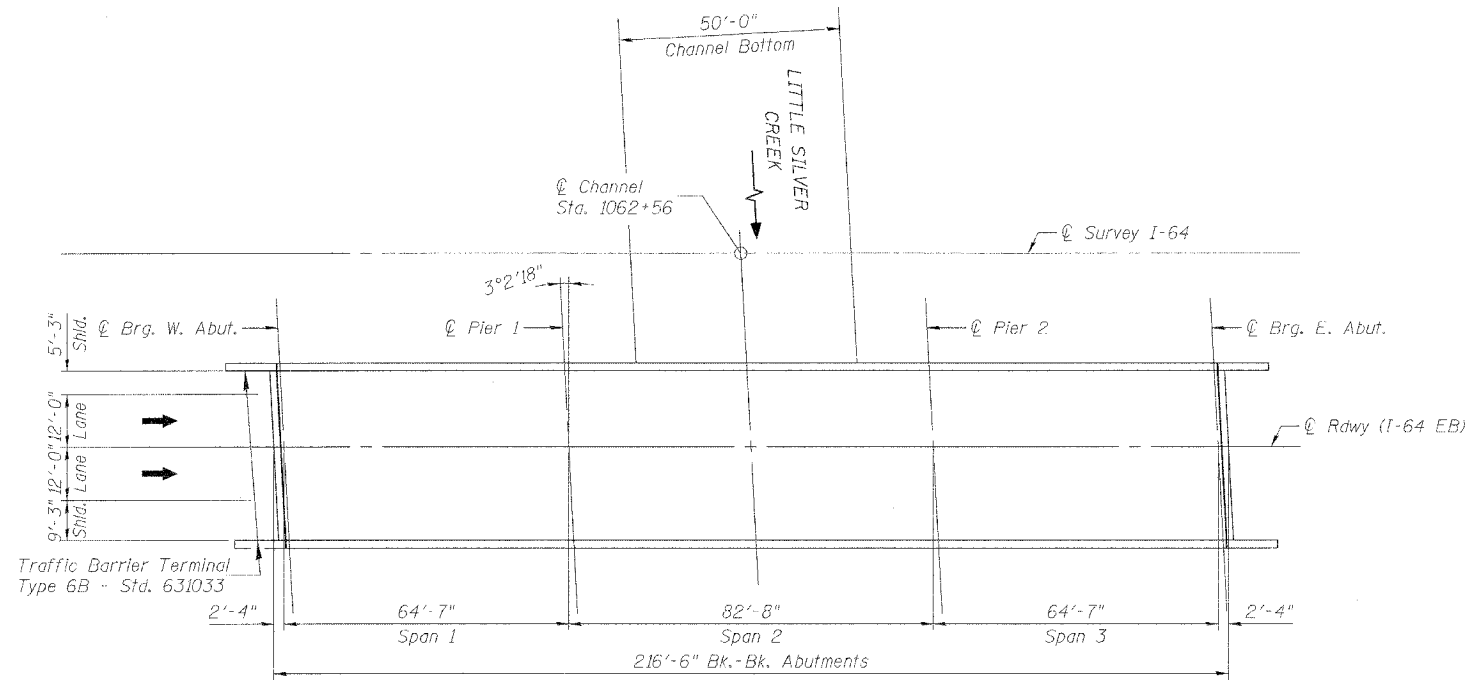
Sheet No.	Description
1	Gen. Plan, Gen. Notes & Total Bill of Mat'l
2	Superstructure
3	Substructure Details

SHEET 1
OF 3

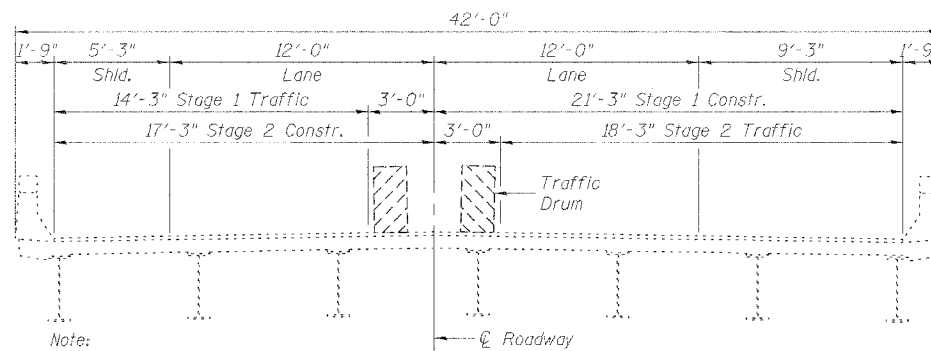
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B	ST. CLAIR	39	35
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. T6037				



ELEVATION



PLAN



CROSS SECTION
(Looking East)

Note:
Staging is for information only, to be coordinated with roadway staging.

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60. Reinforcement bars designated (E) shall be epoxy coated.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy Coated".

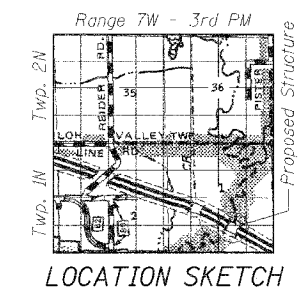
A Concrete Sealer shall be applied to the surfaces of the deck and parapets (See Special Provisions for BRIDGE DECK CONCRETE SEALER).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd	--	292	292
Filter Fabric	Sq Yd	--	292	292
Joint or Crack Filling	Pound	--	313	313
Concrete Structures	Cu Yd	--	0.2	0.2
Reinforcement Bars, Epoxy Coated	Pound	--	40	40
Silicone Joint Sealer, 2"	Foot	41	--	41
Concrete Sealer	Sq Yd	1122	--	1122
Silicone Joint Sealer, 1 3/4"	Foot	41	--	41



Signed: *David Depp*
Date: 3-10-2006
Lic. Expires: 11-30-2006



LOCATION SKETCH

GENERAL PLAN
FAI 64 (EB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1062+56
STRUCTURE NO. 082-0189

DATE: 02/10/2006 10:51:34 USER: P. Ray FILE: F:\01039_IL-DBV\4 1-64 Bridge Repairs (Set 2)\5-SN089-LittleSilverCr-EB\01plan.dgn

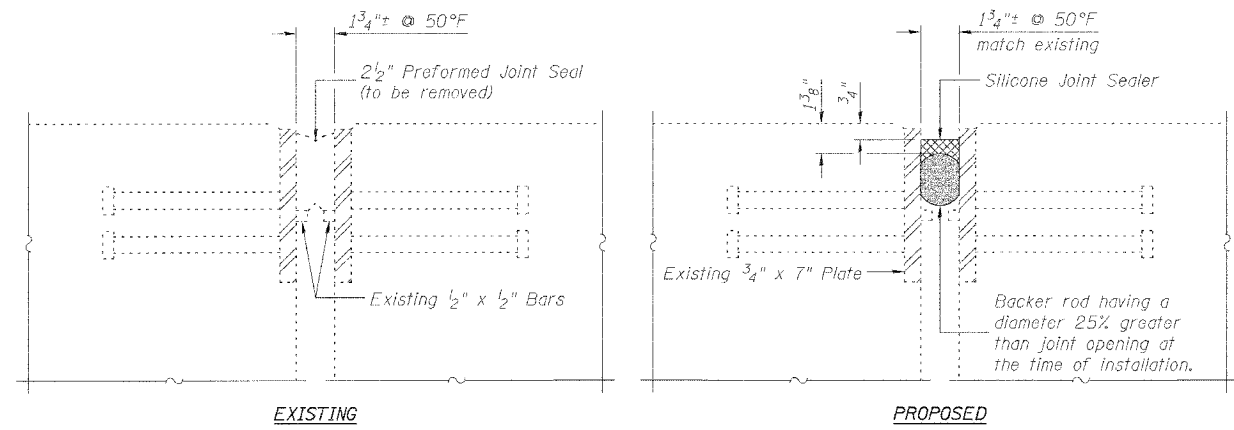
Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CDB	DRAWN: P. Ray
CHECKED: DCD	CHECKED: CDB/DCD

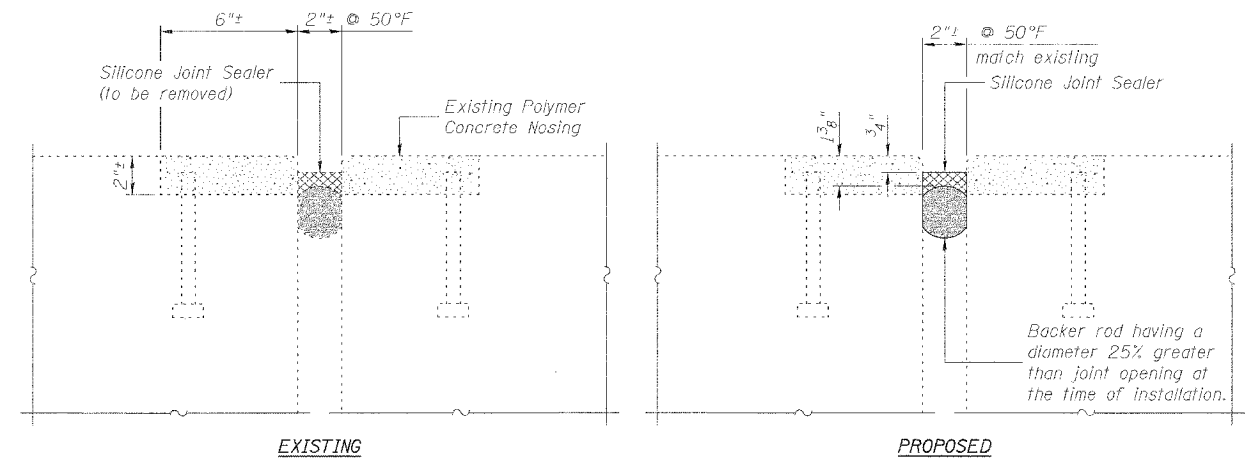
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 2
OF 3

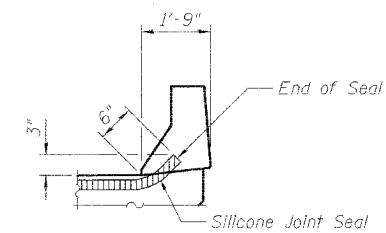
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64	B2-BB	ST. CLAIR	39	36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. T6037	



SECTION AT EXPANSION JOINT-WEST ABUTMENT



SECTION AT EXPANSION JOINT-EAST ABUTMENT



TYPICAL END OF SEAL TREATMENT
AT EXPANSION JOINT

BILL OF MATERIAL

Concrete Sealer	Sq. Yd.	1122
Silicone Joint Sealer, 2"	Foot	41
Silicone Joint Sealer, 1 3/4"	Foot	41

SUPERSTRUCTURE
FAI 64 (EB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1062+56
STRUCTURE NO. 082-0189



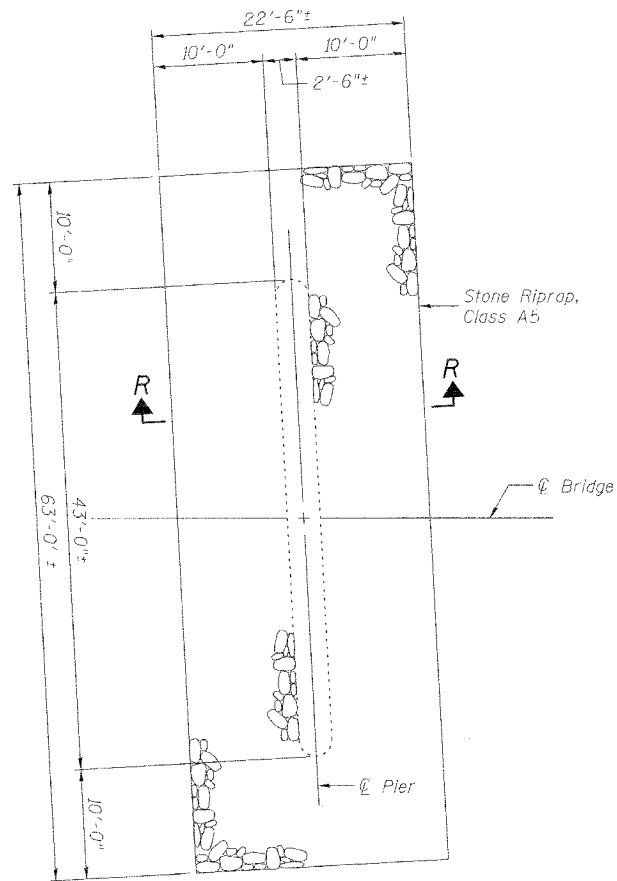
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CHECKED: DCD	CHECKED: CDB/DCD

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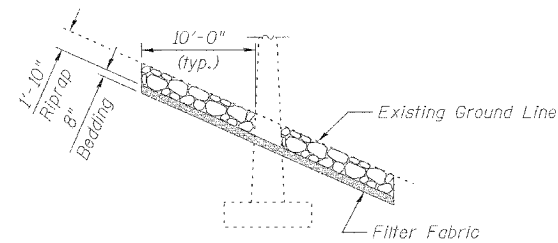
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 3
OF 3

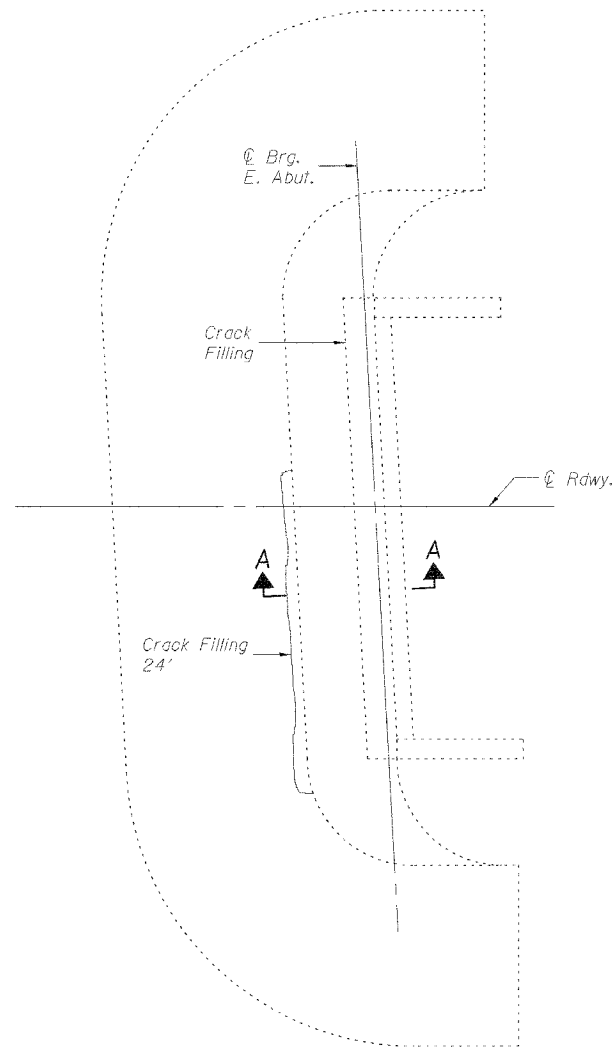
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64	82-8B	ST. CLAIR	39	37
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76037	



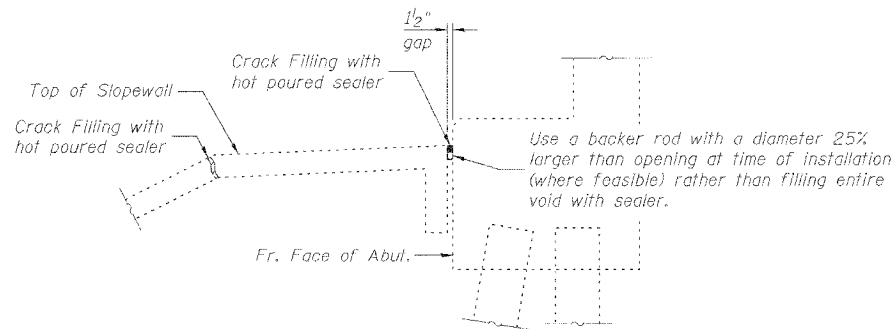
PLAN - RIPRAP AT PIERS
(Typical at Each Pier)



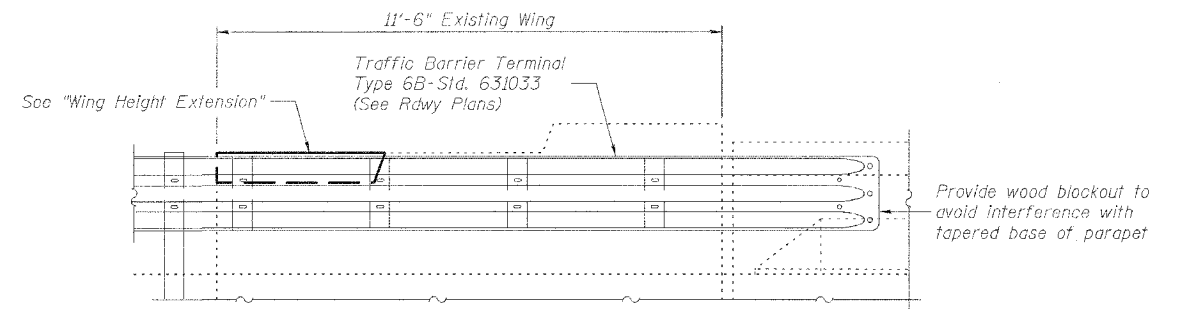
SECTION R-R



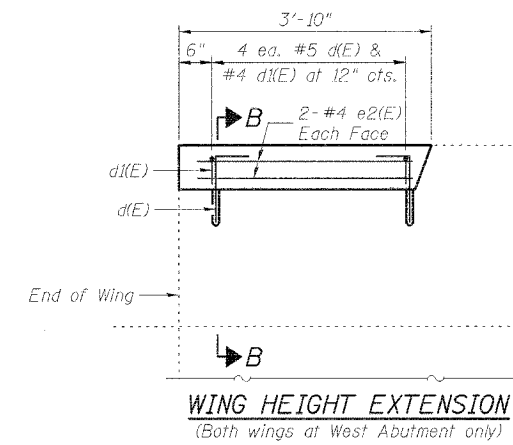
PLAN OF EAST SLOPEWALL



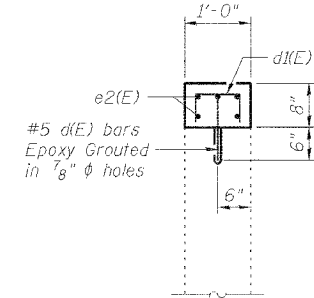
SECTION A-A



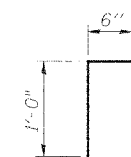
PROPOSED GUARDRAIL CONNECTION AT WEST ABUT.
(Replace existing guardrail connection)



WING HEIGHT EXTENSION
(Both wings at West Abutment only)



SECTION B-B



BAR d(E)



BAR d(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	8	#5	1'-6"	L
d(E)	8	#4	1'-6"	Π
e2(E)	8	#4	3'-3"	—
Stone Riprap, Class A5			Sq. Yd.	292
Filter Fabric			Sq. Yd.	292
Joint or Crack Filling			Pound	313
Concrete Structures			Cu. Yd.	0.2
Reinforcement Bars, Epoxy Coated			Pound	40

SUBSTRUCTURE DETAILS
FAI 64 (EB) OVER
LITTLE SILVER CREEK
FAI ROUTE 64 SECTION 82-8B
ST. CLAIR COUNTY
STATION 1062+56
STRUCTURE NO. 082-0189

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CDB	DRAWN: P. Ray
CHECKED: DCD	CHECKED: CDB/DCD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

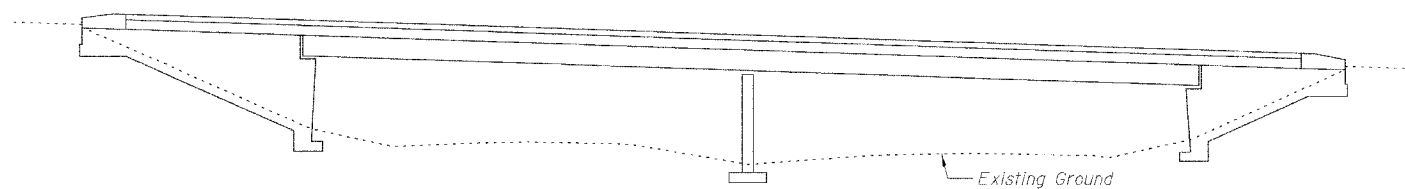
SHEET 1
OF 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8HB	ST. CLAIR	39	38
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. T6037	

Sheet No.

Description

- | | |
|---|---|
| 1 | Gen. Plan, Gen. Notes & Total Bill of Mat'l |
| 2 | Superstructure |



ELEVATION

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

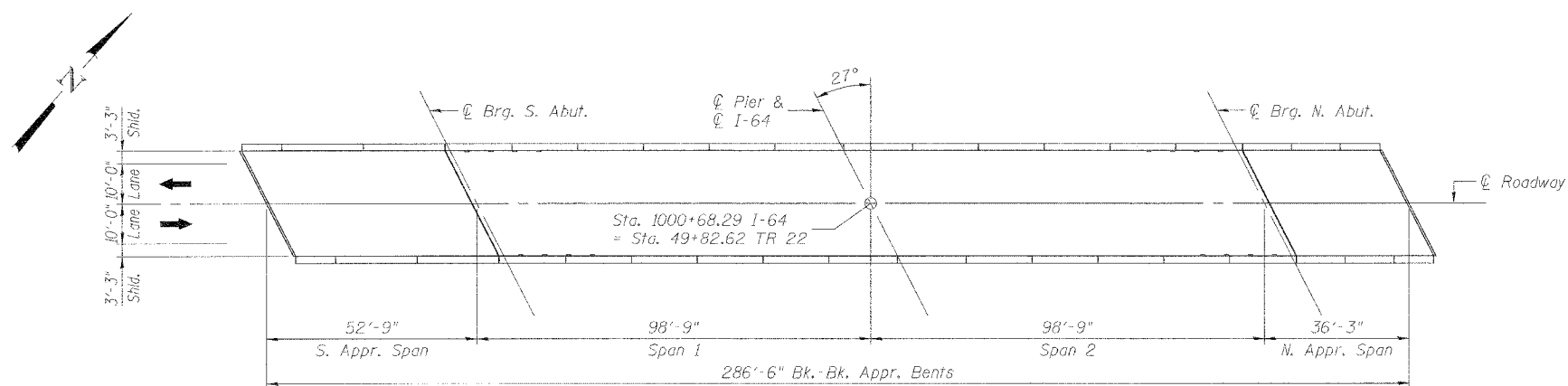
All structural steel shall be AASHTO M 270 Grade 36, unless noted otherwise.

The Floor Drain Extensions shall be painted using the Organic Zinc-Rich/ Epoxy/ Urethane Paint System for shop and field painting. The color of the finish coat shall be Interstate Green, Munsell No. 7.5G 4/8. Cost of painting shall be included in the pay item Floor Drain Extension.

Field welding of construction accessories will not be permitted to beams or girders.

A Concrete Sealer shall be applied to the surfaces of the deck and parapets (See Special Provisions for BRIDGE DECK CONCRETE SEALER).

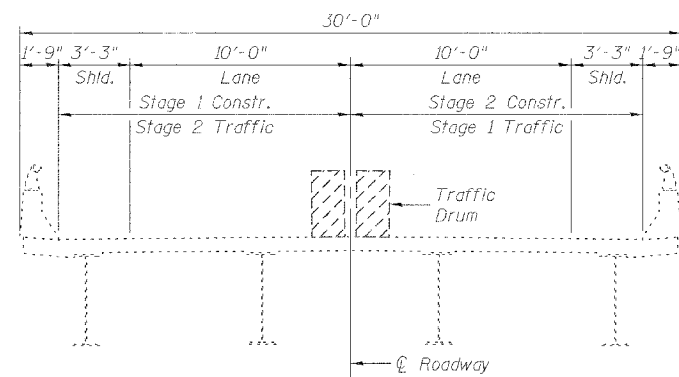
The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Floor Drain Extension	Each	8	--	8
Plug Existing Deck Drains	Each	8	--	8
Concrete Sealer	Sq Yd	1055	--	1055
Silicone Joint Sealer, 1.5"	Foot	62	--	62

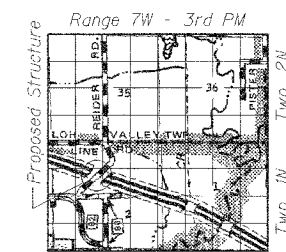


CROSS SECTION
(Looking North)

	Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois	
	DESIGNED: CDB	DRAWN: P. Ray
CHECKED: DCD	CHECKED: CDB/DCD	



Signed: *David Depp*
Date: *3-10-2006*
Lic. Expires: 11-30-2006



LOCATION SKETCH

GENERAL PLAN
REIDER ROAD (TR 222) OVER
INTERSTATE 64
FAI ROUTE 64 SECTION 82-8HB
ST. CLAIR COUNTY
STATION 1000+68.29
STRUCTURE NO. 082-0185

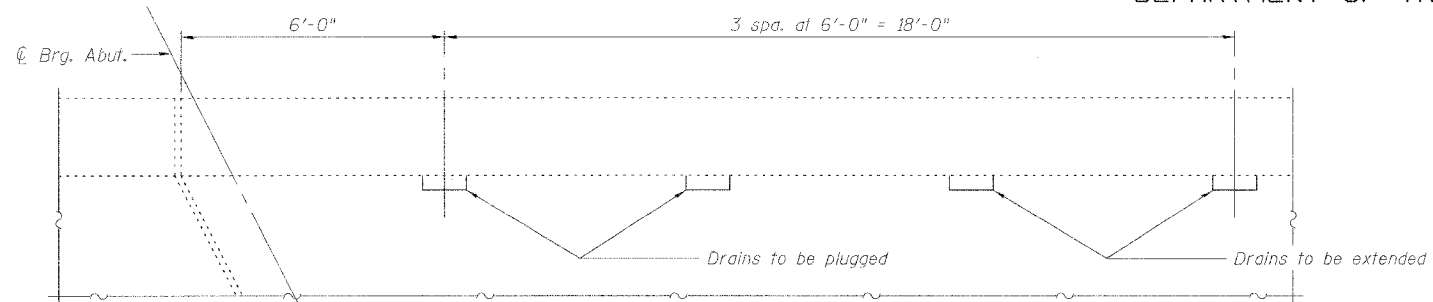
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

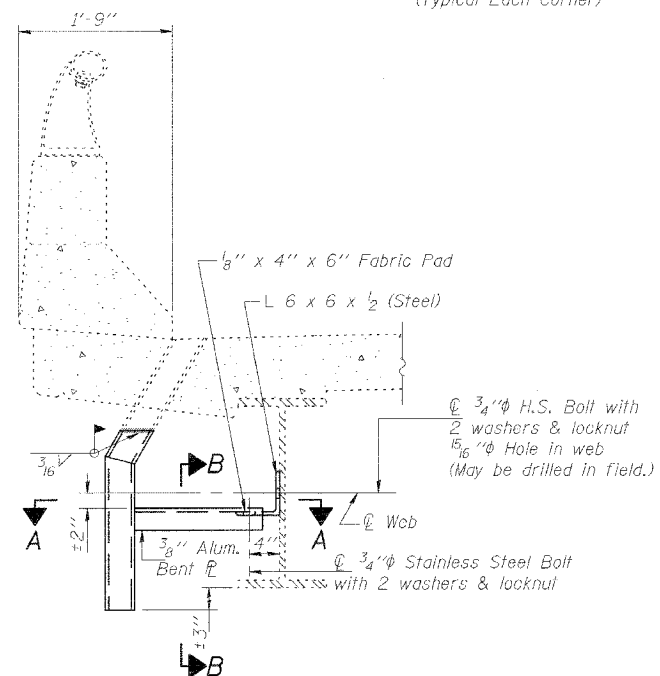
SHEET 2
OF 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8HB	ST. CLAIR	39	39
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

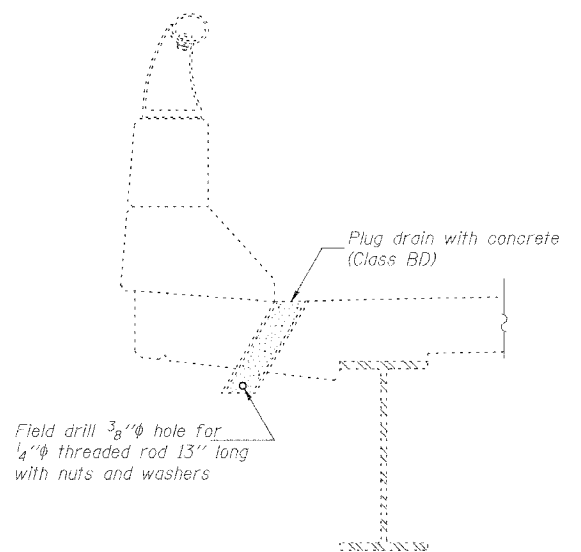
CONTRACT NO. 76037



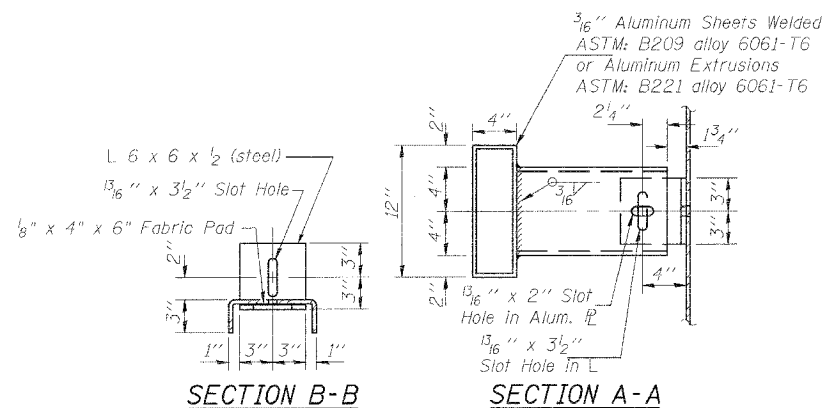
PLAN OF EXISTING DRAINS
(Typical Each Corner)



SECTION AT DRAIN EXTENSION

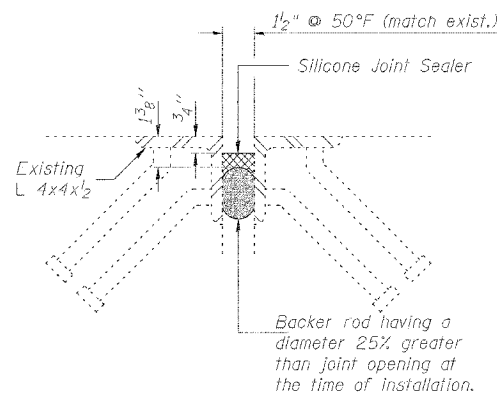


SECTION AT DRAIN PLUG

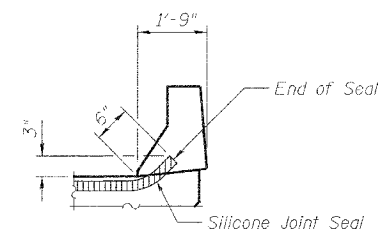


SECTION B-B

SECTION A-A



SILICONE JOINT SEALER DETAIL



TYPICAL END OF SEAL TREATMENT AT EXPANSION JOINT

BILL OF MATERIAL

Floor Drain Extension	Each	8
Plug Existing Deck Drains	Each	8
Concrete Sealer	Sq. Yd.	1055
Silicone Joint Sealer, 1.5"	Foot	62

SUPERSTRUCTURE
REIDER ROAD (TR 222) OVER
INTERSTATE 64
FAI ROUTE 64 SECTION 82-8HB
ST. CLAIR COUNTY
STATION 1000+68.29
STRUCTURE NO. 082-0185

DESIGNED:	CDB	DRAWN:	P. Ray
CHECKED:	DCD	CHECKED:	CDB/DCD

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