

94905

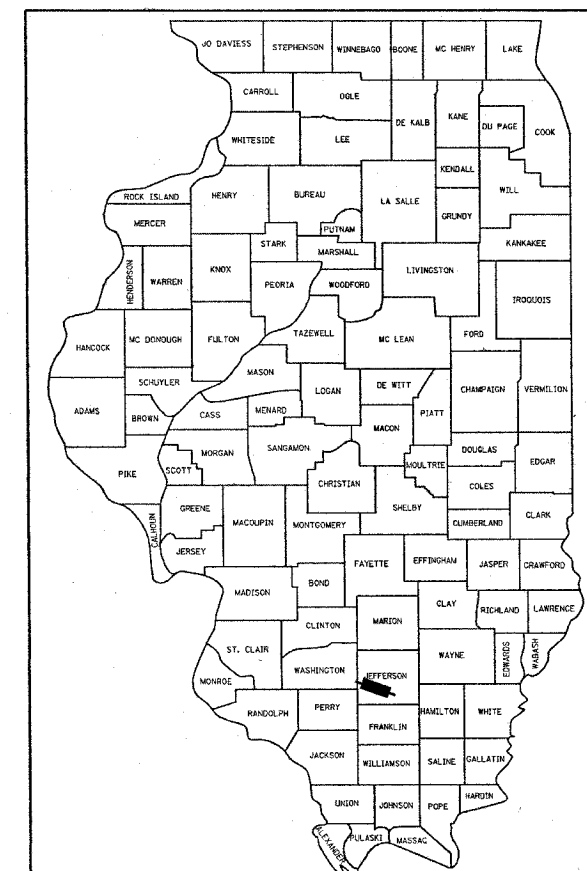
FAI Rte.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	1
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 64 (I-64)
SECTION (41-7)RS-1
PROJECT NO: IM-064-3(082)065
JEFFERSON COUNTY

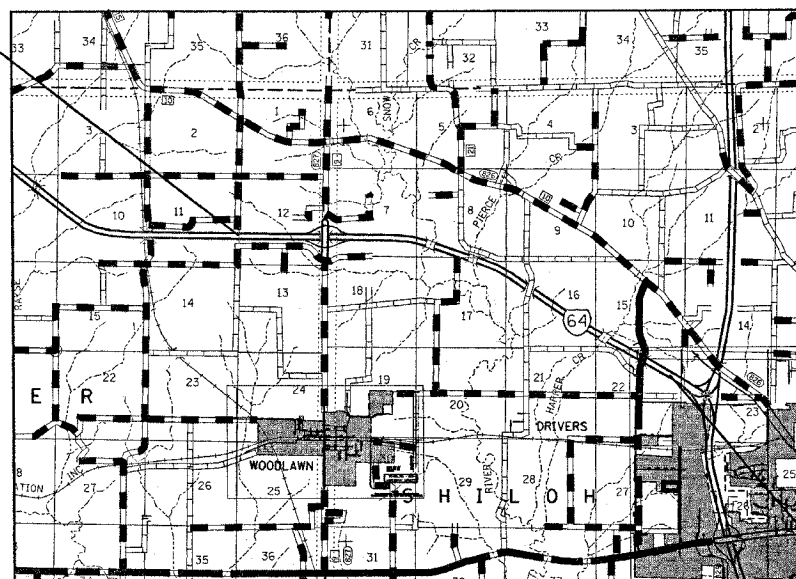
D-97-042-01



LOCATION OF SECTION INDICATED THUS: - ■ -

C-97-028-05

PROJECT BEGINS
STA. 2085 + 70.47



LOCATION MAP

PROJECT ENDS
STA. 2362 + 11.77

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 1 2005

Christina M. Reed
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

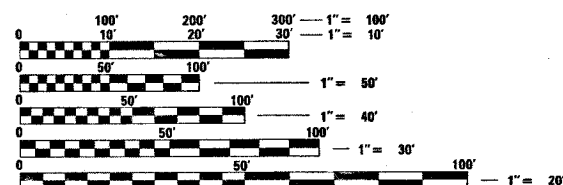
May 13, 2005
Mike Hene
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005
Victor Modest
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT 2004 = 23,200



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

GROSS LENGTH = 27,641.3 FEET = 5.24 MILES
NET LENGTH = 27,477.3 FEET = 5.20 MILES

CONTRACT NO. 94905

TOWNSHIP : CASNER T25 R1E

SHILOH T25 R2E

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REV: CS
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45
46 47 48 49 50 51 52 53 54
55 56 57 58 59 60 61 62 63

PROJECT ENGINEER : BILL STANLEY
SQUAD LEADER : MYRA OLTMAN
DESIGNER : DOUG HOLLAND
TELEPHONE : 217/342-3951 EX 314

teesleyck
3/31/2005
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SUMMARY OF QUANTITIES

FBI SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	4
FED. ROAD DIST. NO. 7		BLDG. NO.	FED. AID PROJECT NO.	
CONTRACT NO. 94905				

SUMMARY OF QUANTITIES			90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		1000		X771-2A 041-0069	X771-2A 041-0080		
60100077	SHOULDER REMOVAL AND REPLACEMENT 11 1/4"	FOOT	121287	121287					
20400800	FURNISHED EXCAVATION	CU YD	50	50					
25000200	SEEDING, CLASS 2	ACRE	0.1	0.1					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9					
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.2	0.2					
25100115	MULCH, METHOD 2	ACRE	0.1	0.1					
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	201	201					
20200100	EARTH EXCAVATION	CU YD	37	37					
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	29			29			
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	27387	27321		48	18		
40600300	AGGREGATE (PRIME COAT)	TON	555	547		4	4		
40600895	CONSTRUCTING TEST STRIP	EACH	2	2					
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	920	640			280		
40600990	TEMPORARY RAMP	SQ YD	320	214		70	36		
44000004	BITUMINOUS SURFACE REMOVAL 1"	SQ YD	111757	111757					
44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	364	364					
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	464			464			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	145			145			
44000910	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	1414			1414			
44003100	MEDIAN REMOVAL	SQ FT	582			582			
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	1345	1345					
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	617	617					
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	1199	1199					
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	464	464					
44213000	PATCHING REINFORCEMENT	SQ YD	3161	3161					
44213200	SAW CUTS	FOOT	16267	16267					
45000130	RELIEF JOINT 4"	FOOT	96	96					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5430	5430					
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	9683	9683					

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT.
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SUMMARY OF QUANTITIES

FBI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	141-71RS-1	JEFFERSON	48	5
FED. ROAD DIST. NO. 7		BALDWIN		FED. AID PROJECT NO.
CONTRACT NO. 94905				

SUMMARY OF QUANTITIES			90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		1000	X771-2A 041-0069	X771-2A 041-0080		
50300225	CONCRETE STRUCTURES	CU YD	8.5		7	1.5		
50300260	BRIDGE DECK GROOVING	SQ YD	1970		1304	666		
50300310	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28		20	8		
50301245	FORMED CONCRETE REPAIR (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	14		14			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4480		4170	310		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1980		1580	400		
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	248	248				
60107700	PIPE UNDERDRAINS 6"	FOOT	119430	119430				
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	4570	4570				
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1700	1700				
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	87.5	87.5				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4				
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2				
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	16	12		4		
63200307	STEEL PLATE BEAM GUARD RAIL REMOVAL, ATTACHED TO STRUCTURE	FOOT	87.5	87.5				
63200310	GUARDRAIL REMOVAL	FOOT	1296	1196		100		
63500105	DELINEATORS	EACH	275	275				
63500120	DELINEATOR REMOVAL	EACH	252	252				
64200105	SHOULDER RUMBLE STRIP	FOOT	106587	106587				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10				
67100100	MOBILIZATION	L SUM	1	1				
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1			1		
70100305	TRAFFIC CONTROL AND PROTECTION, STANDARD 701400	L SUM	1	1				
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		0.5	0.5		
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1				
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SCALE: VERT. _____
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SUMMARY OF QUANTITIES

FBI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	6
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				

SUMMARY OF QUANTITIES			90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		I000	X771-2A 041-0069	X771-2A 041-0080		
70100900	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH	1		1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	5	1	4		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1			1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	19824	19497	327			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	121573	120919	654			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13739	13739				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1917	1917				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	48	48				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3786	3250	488	48		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	654		654			
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	13739	13739				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	120919	120919				
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	1917	1917				
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	48	48				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1519	1519				
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	71	69		12		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	16	12		4		
86301010	TERMINAL FACILITY REMOVAL	EACH	1	1				
X0300247	REMOVE WOOD POST	EACH	54	54				
X0320887	POLYMER CONCRETE	CU FT	13.3		8.8	4.5		
X0321468	PLUG EXISTING DECK DRAINS	EACH	8		4	4		
X0322729	MATERIAL TRANSFER DEVICE	TON	30841	30841				
X0322932	SILICONE JOINT SEALER, 1.5"	FOOT	204		144	60		
X0349800	CONCRETE HEADWALL FOR PIPE UNDERDRAIN REMOVAL	EACH	249	249				
X0712400	TEMPORARY PAVEMENT	SQ YD	92		92			
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	52		24	28		
X4066530	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N105	TON	13637	13637				

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SCALE: VERT. DRAWN BY
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SUMMARY OF QUANTITIES

FBI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	7

CONTRACT NO. 94905

SUMMARY OF QUANTITIES			90% FED. 10% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		I000	X771-2A 041-0069	X771-2A 041-0080		
X4066660	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105	TON	20343	20343				
X4409420	BITUMINOUS SURFACE REMOVAL 3 1/4"	SQ YD	160971	160971				
X6065701	CONCRETE MEDIAN, TYPE SM-4.06	SQ FT	513		513			
X7016500	TEMPORARY BRIDGE TRAFFIC SIGNALS (SPECIAL)	EACH	1			1		
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2	2				
XZ193500	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	2136		1414	722		
Z0006204	BRIDGE DECK HYDRO-SCARIFICATION 1/2"	SQ YD	2136		1414	722		
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	1			1		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	8		2	6		
Z0017202	DOWEL BARS 1 1/2"	EACH	1204	1204				
Z0031300	JACKING AND CRIBBING	L SUM	1		0.7	0.3		
Z0075310	TIE BARS 3/4"	EACH	420	420				
Z0076600	TRAINEES	HOUR	1000	1000				
Z0077800	WOOD POST	EACH	66	66				

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* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

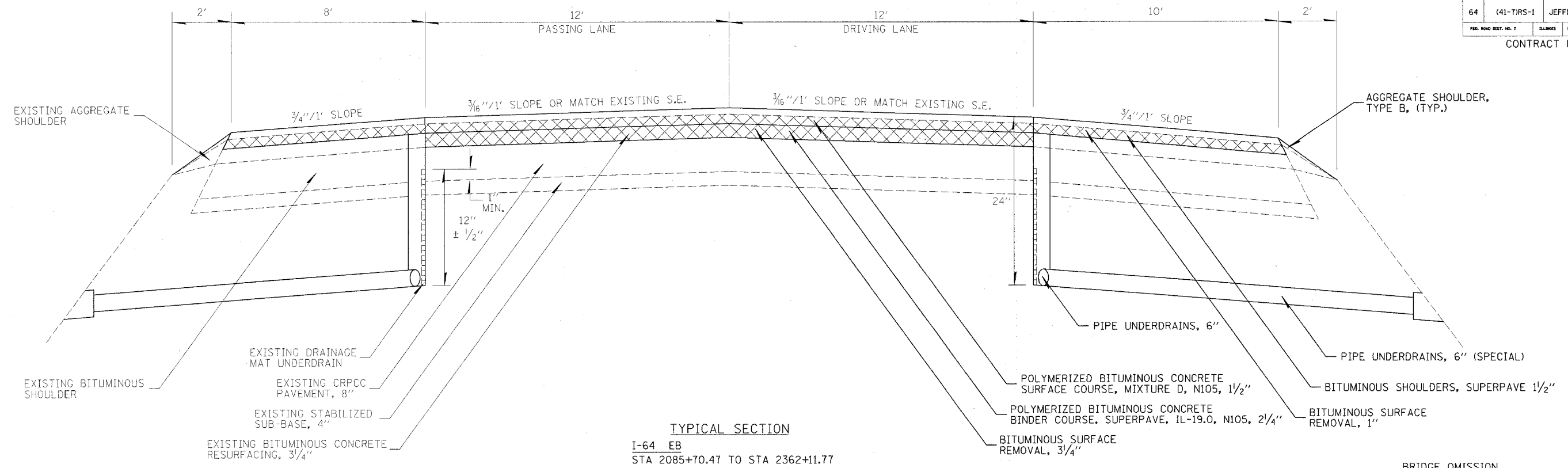
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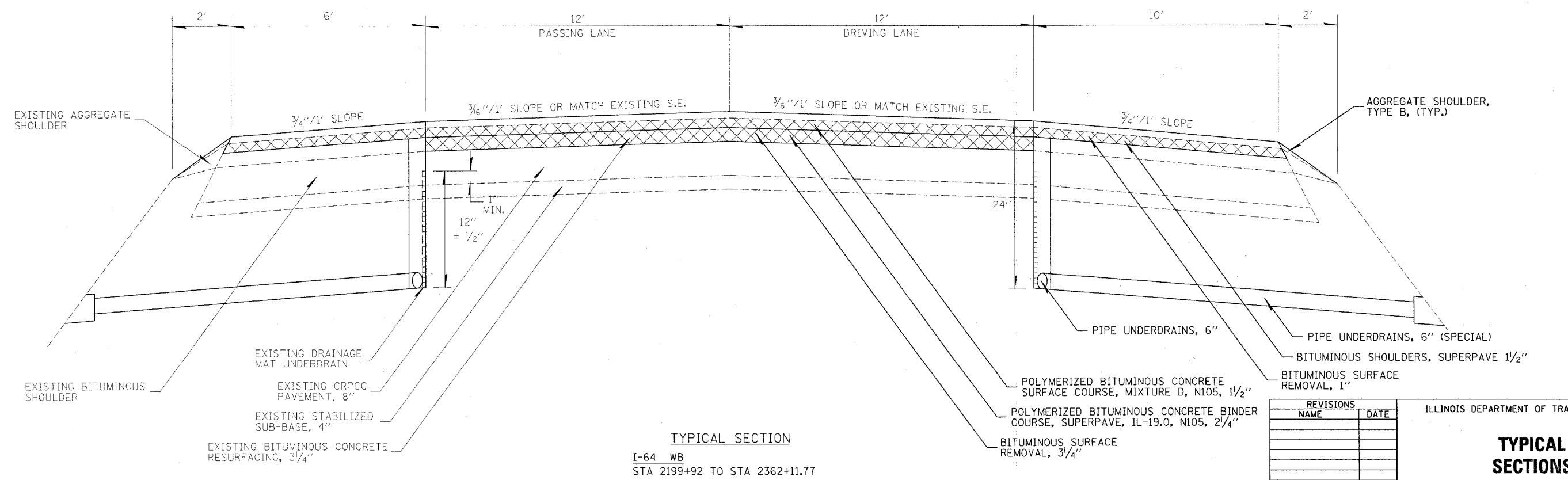
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64	(41-7)RS-1	JEFFERSON	48	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				



TYPICAL SECTION

I-64 EB
STA 2085+70.47 TO STA 2362+11.77
I-64 WB
STA 2085+70.47 TO STA 2198+28

BRIDGE OMISSION
STA 2198+28 TO STA 2199+92



TYPICAL SECTION

I-64 WB
STA 2199+92 TO STA 2362+11.77

REVISIONS	
NAME	DATE

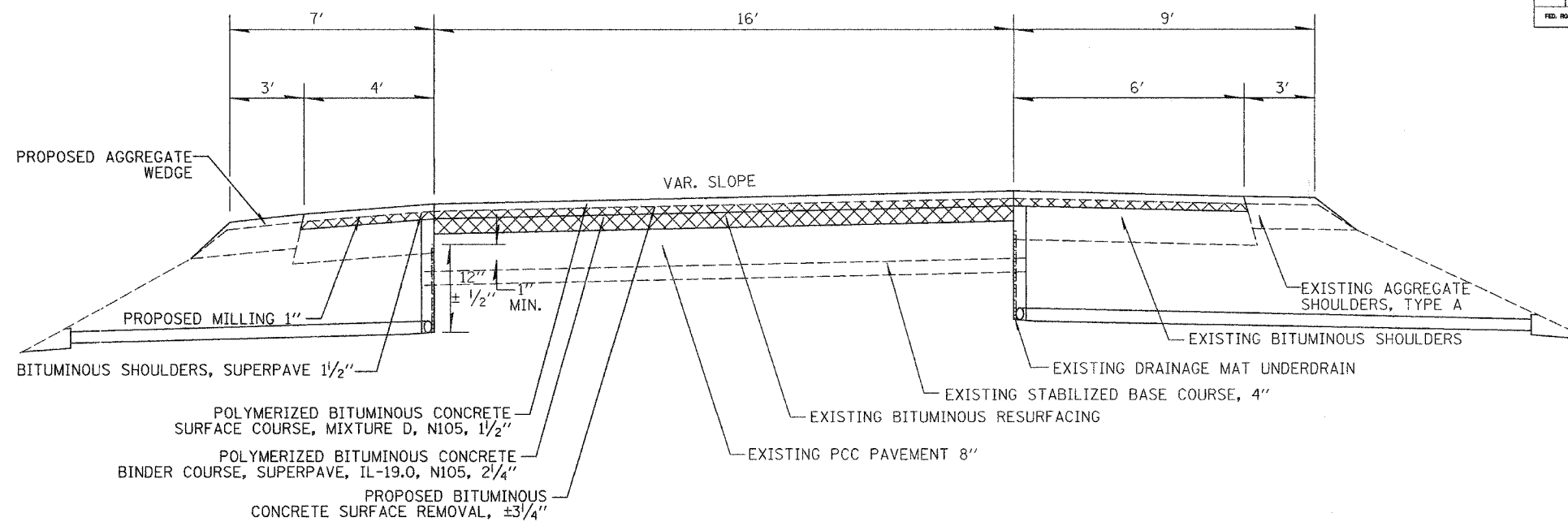
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT. HORIZ. DATE DRAWN BY CHECKED BY

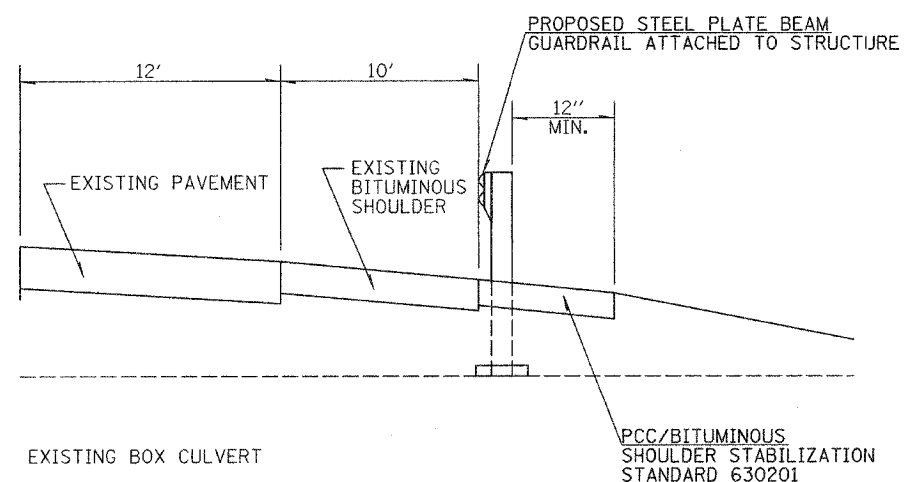
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64	(41-7)RS-1	JEFFERSON	48	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

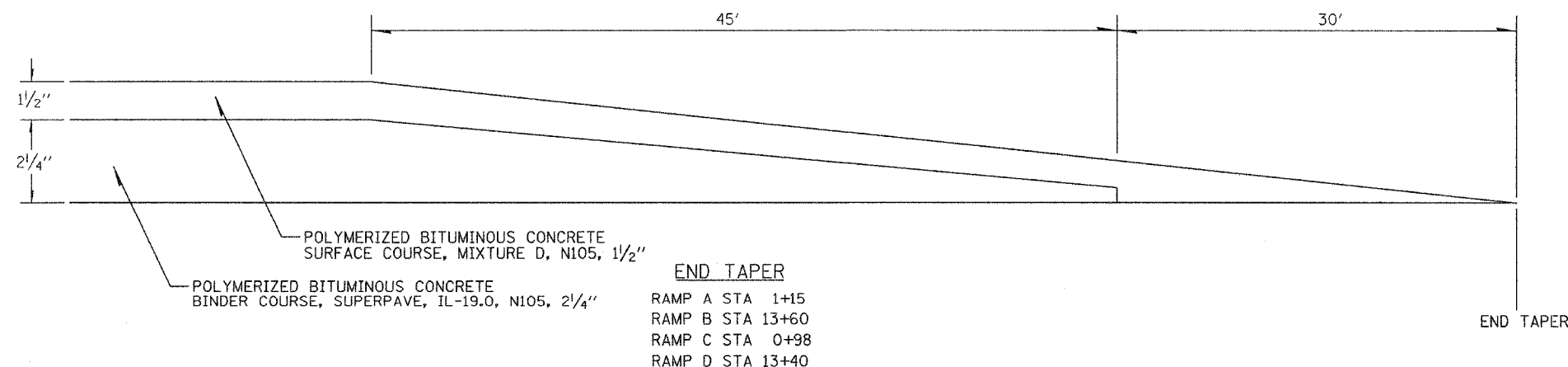


TYPICAL SECTION
INTERCHANGE RAMPS

STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE DETAIL



STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE		HEIGHT OF POST
WESTBOUND LEFT STA. 2318+01.60 TO STA. 2318+45.35		4.06 FEET
EASTBOUND RIGHT STA. 2318+34.64 TO STA. 2318+78.39		4.87 FEET



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ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS
AND SPBGR ATTACHED
TO STRUCTURE DETAIL**

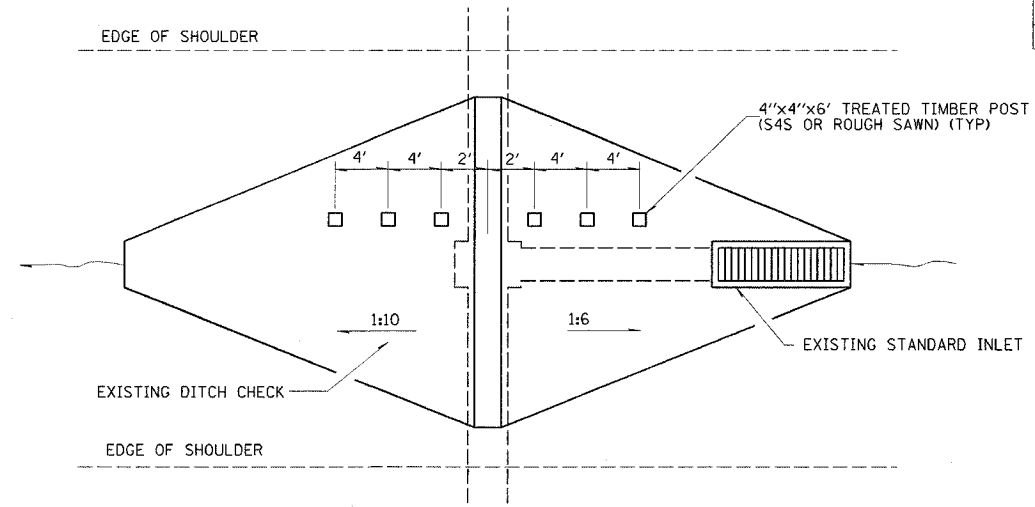
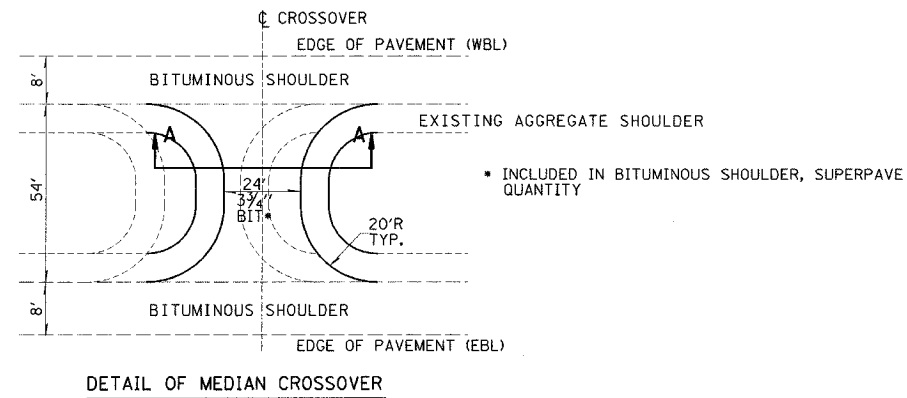
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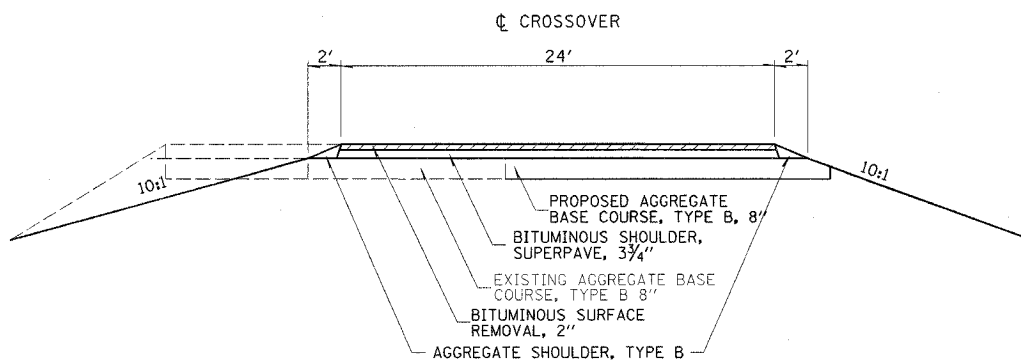
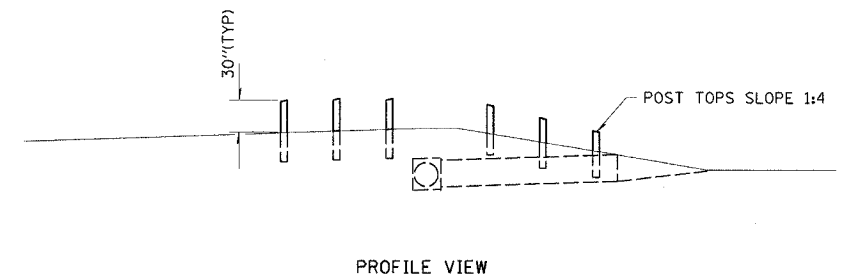
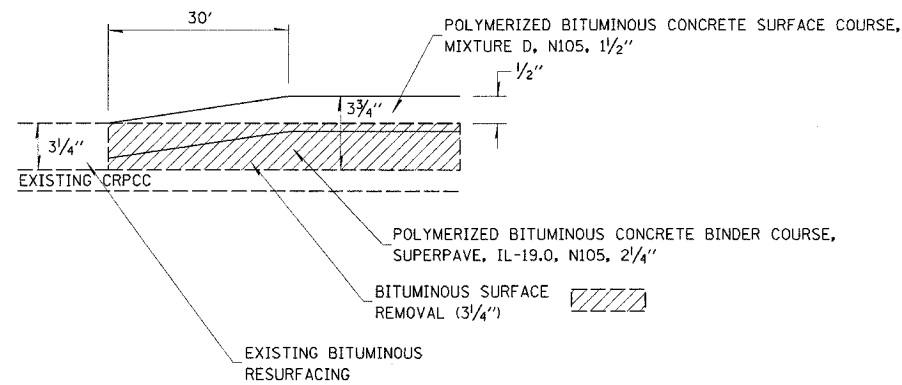
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FAI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-TIRS-1	JEFFERSON	48	10
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				



STATION	FURNISHED EXCAVATION CU. YD.	EARTH EXCAVATION CU. YD.
2178+07.5	18.5	12.0
2348+95	31.5	25.0
Total	50.0	37.0



STA 2178+07.5 SHIFT 10' TO EAST
STA 2348+95 SHIFT 18' TO WEST

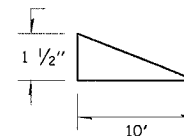
THE FOLLOWING QUANTITIES ARE TO BE PLACED WHERE SOIL HAS BEEN DISTURBED DUE TO SHIFTING THE LOCATIONS OF THE MEDIAN CROSSOVERS.

SEEDING CLASS 2	0.1 ACRES
NITROGEN FERTILIZER	9 LBS
PHOSPHORUS FERTILIZER NUTRIENT	9 LBS
POTASSIUM FERTILIZER NUTRIENT	9 LBS
AGRICULTURAL GROUND LIMESTONE	0.2 TONS
MULCH METHOD 2	0.1 ACRES

EASTBOUND	WESTBOUND
STA 2085+40.47 TO STA 2085+70.47	STA 2085+40.47 TO STA 2085+70.47
STA 2197+98 TO STA 2198+28	STA 2197+98 TO STA 2198+28
STA 2199+92 TO STA 2200+22	STA 2199+92 TO STA 2200+22
STA 2361+81.77 TO STA 2362+11.77	STA 2361+81.77 TO STA 2362+11.77

DETAIL OF WOOD POST BARRIER

LOCATION	EXISTING POST (EACH)	PROPOSED QUANTITY (EACH)
2085+75	4	6
2113+15	4	6
2163+50	4	6
2217+50	5	6
2227+94	7	6
2246+11	6	6
2263+30	7	6
2296+25	4	6
2328+90	5	6
2344+40	3	6
2356+15	5	6
TOTAL	54	66



EASTBOUND	WESTBOUND
STA 2085+40.47 TO STA 2085+50.47	STA 2085+40.47 TO STA 2085+50.47
STA 2198+18 TO STA 2198+28	STA 2198+18 TO STA 2198+28
STA 2199+92 TO STA 2200+02	STA 2199+92 TO STA 2200+02
STA 2362+01.77 TO STA 2362+11.77	STA 2362+01.77 TO STA 2362+11.77

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ILLINOIS DEPARTMENT OF TRANSPORTATION
**RESURFACING
DETAILS**
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FAI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	13
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

PIPE UNDERDRAIN 6 INCH, SPECIAL

STATION	EASTBOUND LANE PASSING	DRIVING	WESTBOUND LANE PASSING	DRIVING	TOTALS	CONCRETE HEADWALLS
2085+70.47	18.1	19.6	18.1	19.6	75.3	4
2090+70.00	18.1	19.6	18.1	19.6	75.3	4
2095+70.00	18.1	19.6	18.1	19.6	75.3	4
2100+70.00	18.1	19.6	18.1	19.6	75.3	4
2105+60.00	18.1	19.6	18.1	19.6	75.3	4
2110+50.00	18.1	19.6	18.1	19.6	75.3	4
2115+40.00	18.1	19.6	18.1	19.6	75.3	4
2120+30.00	18.1	19.6	18.1	19.6	75.3	4
2125+20.00	18.1	19.6	18.1	19.6	75.3	4
2130+10.00	18.1	19.6	18.1	19.6	75.3	4
2135+00.00	18.1	19.6	18.1	19.6	75.3	4
2139+90.00	18.1	19.6	18.1	19.6	75.3	4
2144+80.00	18.1	19.6	18.1	19.6	75.3	4
2149+70.00	18.1	19.6	18.1	19.6	75.3	4
2154+60.00	18.1	19.6	18.1	19.6	75.3	4
2159+50.00	18.1	19.6	18.1	19.6	75.3	4
2164+40.00	18.1	19.6	18.1	19.6	75.3	4
2169+30.00	18.1	19.6	18.1	19.6	75.3	4
2174+20.00	18.1	19.6	18.1	19.6	75.3	4
2179+10.00	18.1	19.6	18.1	19.6	75.3	4
2184+00.00	18.1	19.6	18.1	19.6	75.3	4
2188+90.00	18.1	19.6	18.1	19.6	75.3	4
2193+80.00	18.1	19.6	18.1	19.6	75.3	4
2204+75.00	18.1	19.6	16.5	19.6	73.8	4
2209+50.00	18.1	19.6	16.5	19.6	73.8	4
2214+25.00	18.1	19.6	16.5	19.6	73.8	4
2219+00.00	18.1	19.6	16.5	19.6	73.8	4
2223+75.00	18.1	19.6	16.5	19.6	73.8	4
2228+50.00	18.1	19.6	16.5	19.6	73.8	4
2233+25.00	18.1	19.6	16.5	19.6	73.8	4
2238+00.00	18.1	19.6	16.5	19.6	73.8	4
2243+00.00	18.1	19.6	16.5	19.6	73.8	4
2248+00.00	18.1	19.6	16.5	19.6	73.8	4
2253+00.00	18.1	19.6	16.5	19.6	73.8	4
2258+00.00	18.1	19.6	16.5	19.6	73.8	4
2263+00.00	18.1	19.6	16.5	19.6	73.8	4
2268+00.00	18.1	19.6	16.5	19.6	73.8	4
2272+60.00	18.1	19.6	16.5	19.6	73.8	4
2277+20.00	18.1	19.6	16.5	19.6	73.8	4
2281+80.00	18.1	19.6	16.5	19.6	73.8	4
2286+40.00	18.1	19.6	16.5	19.6	73.8	4
2291+00.00	18.1	19.6	16.5	19.6	73.8	4
2295+60.00	18.1	19.6	16.5	19.6	73.8	4
2300+20.00	18.1	19.6	16.5	19.6	73.8	4
2304+80.00	18.1	19.6	16.5	19.6	73.8	4
2309+50.00	18.1	19.6	16.5	19.6	73.8	4
2314+50.00	18.1	19.6	16.5	19.6	73.8	4
2319+50.00	18.1	19.6	16.5	19.6	73.8	4
2324+50.00	18.1	19.6	16.5	19.6	73.8	4
2329+50.00	18.1	19.6	16.5	19.6	73.8	4
2334+50.00	18.1	19.6	16.5	19.6	73.8	4
2339+50.00	18.1	19.6	16.5	19.6	73.8	4
2344+50.00	18.1	19.6	16.5	19.6	73.8	4
2349+50.00	18.1	19.6	16.5	19.6	73.8	4
2354+50.00	18.1	19.6	16.5	19.6	73.8	4
2359+50.00	18.1	19.6	16.5	19.6	73.8	4
2362+11.77	18.1	19.6	16.5	19.6	73.8	4
MAINLINE TOTAL	1029.0	1117.3	976.2	1117.3	4240 FT	228 EACH
RAMP A			INSIDE	OUTSIDE	TOTALS	
8A+00			16.5	16.5	33.0	2
12A+75			16.5	16.5	33.0	2
2125+00.00				16.5	16.5	1
RAMP B						
0B+00				16.5	16.5	1
4B+00			16.5	16.5	33.0	2
8B+00			16.5	16.5	33.0	2
RAMP C						
5C+00			16.5	16.5	33.0	2
10C+00			16.5	16.5	33.0	2
14C+56				16.5	16.5	1
RAMP D						
4D+00			16.5	16.5	33.0	2
8D+00			16.5	16.5	33.0	2
2125+00.00				16.5	16.5	1
RAMP TOTALS			132.0	198.0	330.0	20
TOTALS					4570 FT	248 EACH

GUARDRAIL SCHEDULE

STA. TO STA.	STEEL PLATE BEAM GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL REMOVAL, ATTACHED TO STRUCTURE	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	BITUMINOUS SHOULDERS SUPERPAVE	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER - DIRECT APPLIED
	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	TON	EACH	EACH
I-64 EB										
RT STA 2194+71.25 TO 2198+18	25			12.5	1				5	1
LT STA 2194+49.85 TO 2198+18	165			287.5	1		1	37.8	5	1
RT STA 2314+41.25 TO 2318+17.5	195	43.75	43.75	268.75	1	1		38.7	6	1
RT STA 2344+87.5 TO 2348+12.5	150			262.5	1	1		34.0	5	1
I-64 WB										
RT STA 2200+01 TO 2203+94.15	149			312.5	1		1	35.5	6	1
LT STA 2200+01 TO 2203+43.75	25			25	1				5	1
LT STA 2318+57.5 TO 2322+33.75	200	43.75	43.75	268.75	1	1		38.7	6	1
LT STA 2350+03.5 TO 2353+28.5	187			262.5	1	1		34.0	5	1
TR 206-SHILOH ROAD STR # 041-0080	100				4				12	4
TR 178 STR # 041-0079	100				4				16	4
TOTALS	1296	87.5	87.5	1700	16	4	2	219	71	16

PATCHING SCHEDULE

LOCATION	CLASS A PATCHES, TYPE II, 10 INCH	CLASS A PATCHES, TYPE III, 10 INCH	CLASS A PATCHES, TYPE IV, 10 INCH	CLASS B PATCHES, TYPE II, 10 INCH	PATCHING REINFORCEMENT	SAW CUTTING	TIE BARS	DOWEL BARS
I-64								
EBDL	934.9	425.3	860.3		2220.5	9517.5	300	
EDPL	0.0	0.0	0.0		0.0	0.0	0	
WBDL	377.5	192.0	338.6		908.1	3920.0	120	
WBPL	32.1	0.0	0.0		32.1	180.5	0	
RAMP A				128.4		738.0		336
RAMP B				128.4		738.0		336
RAMP C				99.8		615.0		252
RAMP D				107.0		557.5		280
TOTALS	1345	617	1199	464	3161	16267	420	1204

PIPE UNDERDRAINS 6"

EASTBOUND		
2085+70.47 to 2198+28.50		22516.1
2199+91.50 to 2362+11.77		32440.5
SUB TOTAL		54956.6
WESTBOUND		
2085+70.47 to 2198+28.50		22516.1
2199+91.50 to 2362+11.77		32440.5
SUB TOTAL		54956.6
RAMP A		
2125+00.00 to 2125+71.97		72.0
14A+64.75 to 3A+00		2129.5
RAMP B		
0B+00 to 12B+00		2000
RAMP C		
0C+00 to 14C+56		2762
RAMP D		
2125+00.00 to 2125+87.37		87.37
0D+00 to 14D+33		2466
RAMP SUB TOTALS		9517
TOTAL =		119430 FT

CONCRETE HEADWALL REMOVAL

STATION	TO STATION	QUANTITY
2085+70.00 TO	2362+11.00	229
SPL		
RAMP A		
8A+00		2
12A+75		2
2125+00.00		1
RAMP B		
0B+00		1
4B+00		2
8B+00		2
RAMP C		
5C+00		2
10C+00		2
14C+56		1
RAMP D		
4D+00		2
8D+00		2
2125+00.00		1
TOTALS		249 EACH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
UNDERDRAIN & PATCHING SCHEDULES
SCALE: VERT. HORIZ.
DATE DRAWN BY CHECKED BY

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PAVEMENT MARKING SCHEDULE

FAI SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				

STATION TO STATION	LENGTH FEET	EOXY PAVEMENT MARKING - LINE 4" (YELLOW)	EOXY PAVEMENT MARKING - LINE 4" (WHITE)	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	EOXY PAVEMENT MARKING - LINE 8" (WHITE)	EOXY PAVEMENT MARKING - LINE 24" (WHITE)	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4" (YELLOW)	TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)	TEMPORARY PAVEMENT MARKING - LINE 6" (WHITE)	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	DELINEATORS
		FEET	FEET	FEET	FEET	FEET	FEET	SO FT	FEET	FEET	FEET	FEET	FEET	EACH	EACH
I-64 EB															
2085+70.47 TO 2119+25.00	3354.53	3354.5	3354.5	838.6			1207.6	201.3	3354.5	3354.5	838.6			84	8
2119+25.00 TO 2122+15.00	290	290		72.5			81.2	13.5	290		72.5			7	
2122+15.00 TO 2126+38.58	423.58	423.6		105.9	423.6		118.6	19.8	423.6		105.9	423.6		21	
2126+38.58 TO 2149+83.96	2345.38	2345.4	2345.4	586.3		12.0	844.3	140.7	2345.4	2345.4	586.3		12.0	59	6
2149+83.96 TO 2160+65.00	1081.04	1081		270.3		12.0	302.7	50.4	1081		270.3		12.0	27	
2160+65.00 TO 2198+28.00	3763	3763	3763	940.8			1354.7	225.8	3763	3763	940.8			94	9
2198+28.00 TO 2199+92.00	Brdg Omission														
2199+92.00 TO 2362+11.77	16219.77	16219.8	16219.8	4054.9			5839.1	973.2	16219.8	16219.8	4054.9			405	41
I-64 WB															
2085+70.47 TO 2115+25.00	2954.53	2954.5	2954.5	738.6			1063.6	177.3	2954.5	2954.5	738.6			74	7
2115+25.00 TO 2126+11.82	1086.82	1086.8		271.7			304.3	50.7	1086.8		271.7			27	
2126+11.82 TO 2149+64.46	2352.64	2352.6	2352.6	588.2			847	141.2	2352.6	2352.6	588.2			59	6
2149+64.46 TO 2154+00.00	435.54	435.5		108.9	435.5		122	20.3	435.5		108.9	435.5		22	
2154+00.00 TO 2156+70.00	270	270		67.5			75.6	12.6	270		67.5			7	
2156+70.00 TO 2198+28.00	4158	4158	4158	1039.5			1496.9	249.5	4158	4158	1039.5			104	10
2198+28.00 TO 2199+92.00	Brdg Omission														
2199+92.00 TO 2362+11.77	16219.77	16219.8	16219.8	4054.9		24.0	5839.1	973.2	16219.8	16219.8	4054.9		24.0	405	41
RAMP A															
0+29.00 TO 1+15.00	86	86	86						86	86					2
1+15.00 TO 13+30.01	1215.01	1215	1215						1215	1215					24
13+30.01 TO 14+24.90	94.89	94.9			94.9				94.9			94.9			2
14+24.90 TO 14+64.75	39.85	39.8	10						39.8	10					1
14A+64.75=2125+71.97															
2125+71.97 TO 2122+72.00	299.97	300	75						300	75					3
2122+72.00 TO 2115+22.00	750	750							750						8
RAMP B															
14+22.00 TO 13+60.00	62	62	62						62	62					1
13+60.00 TO 13+20.00	40	40	40						40	40					1
13+20.00 TO 0+50.00	1270	1270	1270						1270	1270				15	25
0+50.00 TO 0+00.00	50	50			50				50			50		4	1
0B+00=2150+15.72															
2150+15.72 TO 2154+00.00	384.28	384.3	384.3		384.3				384.3			384.3		29	4
2154+00.00 TO 2156+70.00	270	270							270					14	3
RAMP C															
0+19.00 TO 0+98.00	79	79	79						79	79					2
0+98.00 TO 1+04.00	6	6	6						6	6					
1+04.00 TO 13+10.00	1206	1206	1206						1206	1206					24
13+10.00 TO 14+16.55	106.55	106.6			106.6				106.6			106.6			1
14+16.55 TO 14+56.40	39.85	39.9	10						39.9	10					
14C+56.40=2150+23.8															
2150+23.80 TO 2153+23.80	300	300	75						300	75					3
2153+23.80 TO 2160+65.00	741.2	741.2							741.2						7
RAMP D															
14+05.00 TO 13+40.00	65	65	65						65	65					1
13+40.00 TO 13+00.00	40	40	40						40	40					1
13+00.00 TO 0+50.00	1250	1250	1250						1250	1250				15	25
0+50.00 TO 0+00.00	50	50			50				50			50		4	1
0D+00=2125+87.37															
2125+87.37 TO 2122+15.00	372.37	372.4	372.4		372.4				372.4			372.4		28	4
2122+15.00 TO 2119+25.00	290	290							290					15	3
TOTALS		64063	56857	13739	1917	48	19497	3250	64063	56857	13739	1917	48	1519	275

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SCHEDULE

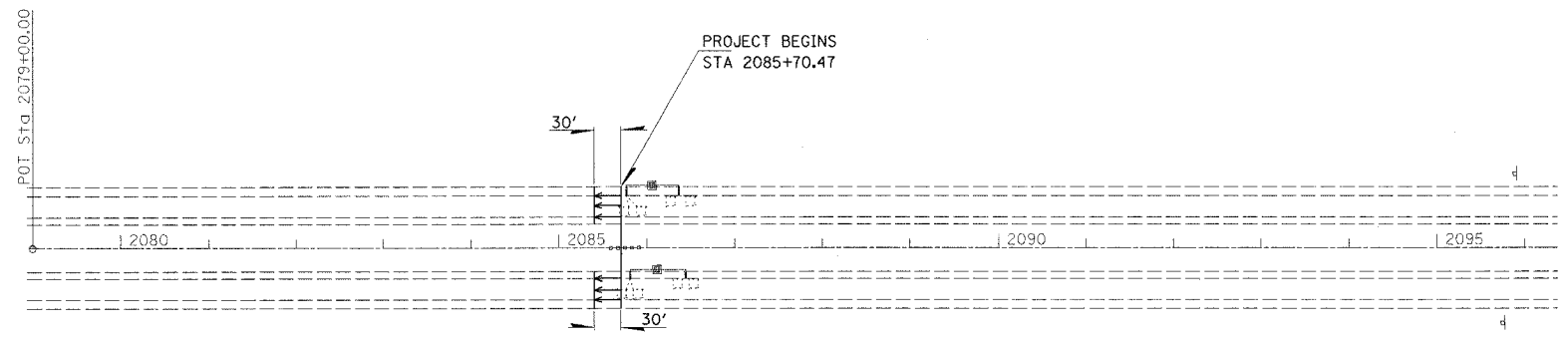
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HORIZ. DRAWN BY
CHECKED BY

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 3/31/2005
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 PS 1



FAI SYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	15

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO.
 CONTRACT NO. 94905



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STA. 2079 + 00
TO
STA. 2095 + 00
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

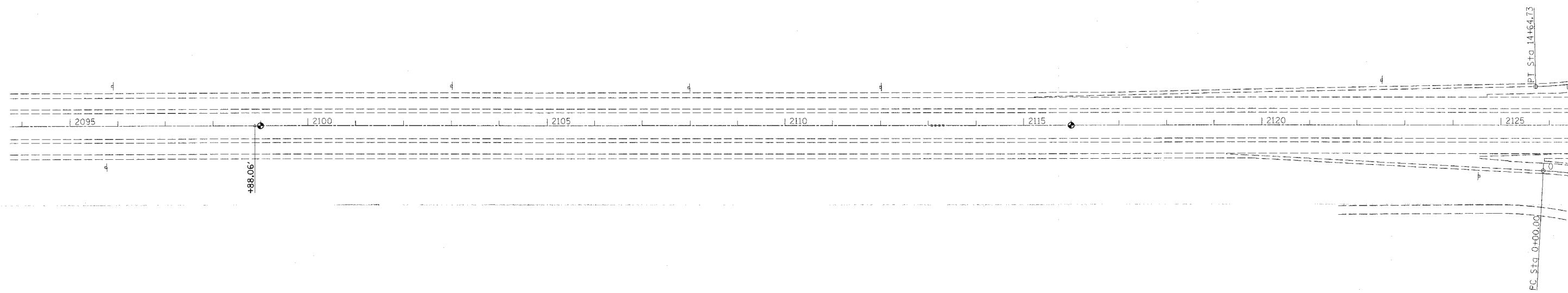
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 3/31/2005
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 PS 2



FAI R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	16

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO.

CONTRACT NO. 94905



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**STA. 2095 + 00
 TO
 STA. 2125 + 00**

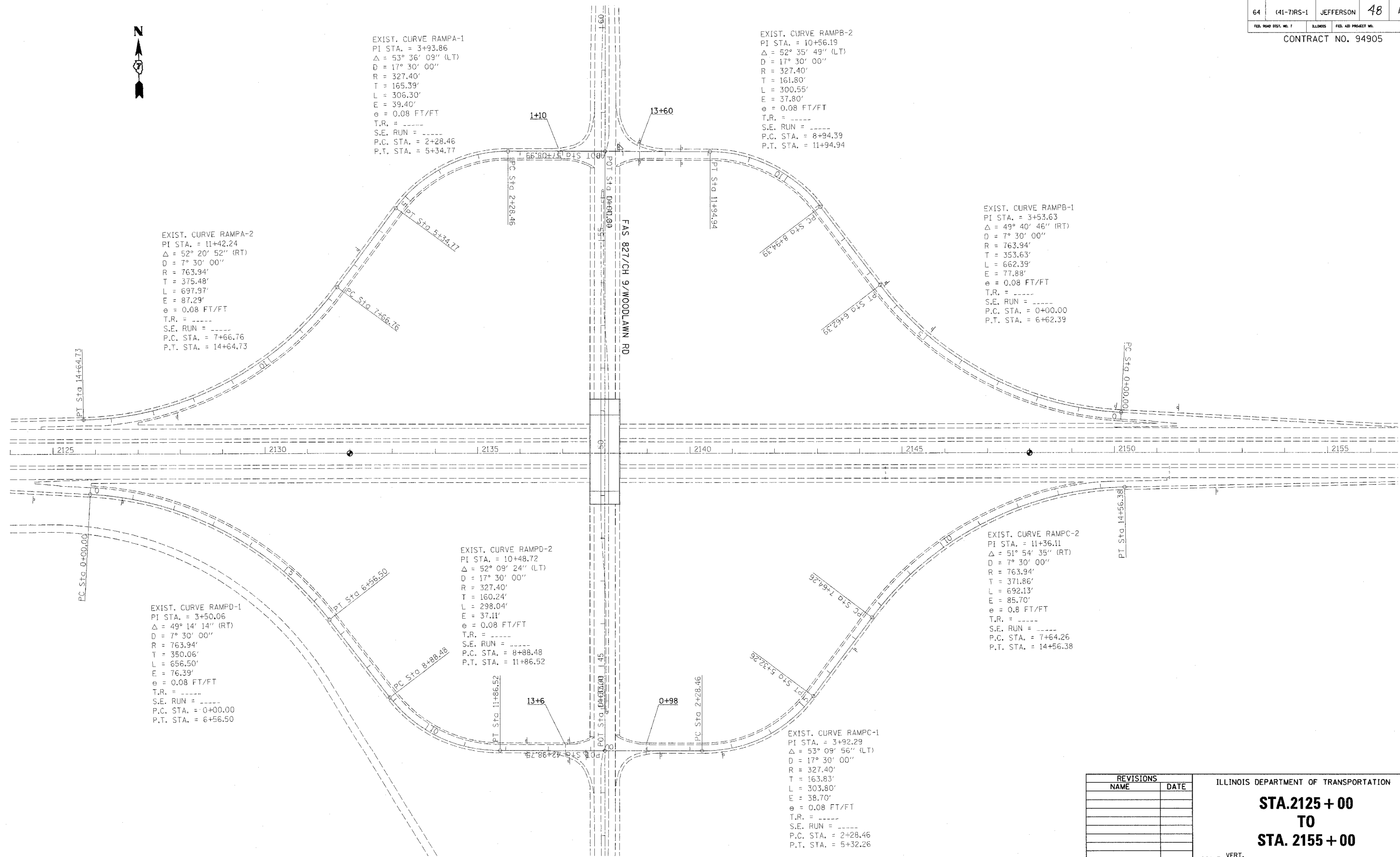
SCALE: VERT.
 HORIZ.
 DATE

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FAI SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905



EXIST. CURVE RAMP A-2
PI STA. = 11+42.24
 $\Delta = 52^\circ 20' 52''$ (RT)
D = 7° 30' 00"
R = 763.94'
T = 375.48'
L = 697.97'
E = 87.29'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 7+66.76
P.T. STA. = 14+64.73

EXIST. CURVE RAMP A-1
PI STA. = 3+93.86
 $\Delta = 53^\circ 36' 09''$ (LT)
D = 17° 30' 00"
R = 327.40'
T = 165.39'
L = 306.30'
E = 39.40'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 2+28.46
P.T. STA. = 5+34.77

EXIST. CURVE RAMP B-2
PI STA. = 10+56.19
 $\Delta = 52^\circ 35' 49''$ (LT)
D = 17° 30' 00"
R = 327.40'
T = 161.80'
L = 300.55'
E = 37.80'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 8+94.39
P.T. STA. = 11+94.94

EXIST. CURVE RAMP B-1
PI STA. = 3+53.63
 $\Delta = 49^\circ 40' 46''$ (RT)
D = 7° 30' 00"
R = 763.94'
T = 353.63'
L = 662.39'
E = 77.88'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 0+00.00
P.T. STA. = 6+62.39

EXIST. CURVE RAMP D-1
PI STA. = 3+50.06
 $\Delta = 49^\circ 14' 14''$ (RT)
D = 7° 30' 00"
R = 763.94'
T = 350.06'
L = 656.50'
E = 76.39'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 0+00.00
P.T. STA. = 6+56.50

EXIST. CURVE RAMP D-2
PI STA. = 10+48.72
 $\Delta = 52^\circ 09' 24''$ (LT)
D = 17° 30' 00"
R = 327.40'
T = 160.24'
L = 298.04'
E = 37.11'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 8+88.48
P.T. STA. = 11+86.52

EXIST. CURVE RAMP C-2
PI STA. = 11+36.11
 $\Delta = 51^\circ 54' 35''$ (RT)
D = 7° 30' 00"
R = 763.94'
T = 371.86'
L = 692.13'
E = 85.70'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 7+64.26
P.T. STA. = 14+56.38

EXIST. CURVE RAMP C-1
PI STA. = 3+92.29
 $\Delta = 53^\circ 09' 56''$ (LT)
D = 17° 30' 00"
R = 327.40'
T = 163.83'
L = 303.80'
E = 38.70'
e = 0.08 FT/FT
T.R. = -----
S.E. RUN = -----
P.C. STA. = 2+28.46
P.T. STA. = 5+32.26

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**STA. 2125 + 00
TO
STA. 2155 + 00**

SCALE: VERT. _____
HORIZ. _____

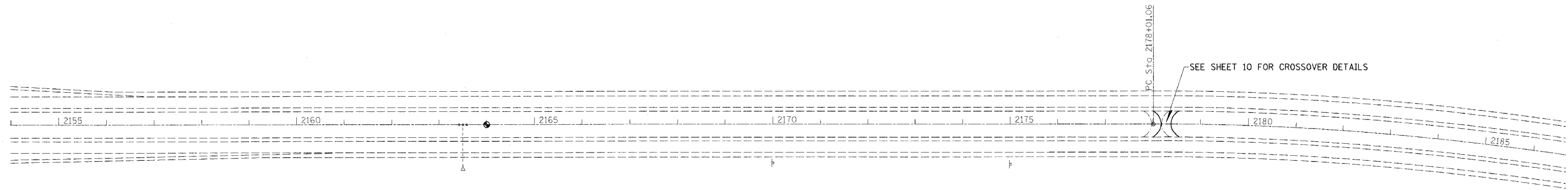
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 PS 4



FAI MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	18

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO.
 CONTRACT NO. 94908



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STA. 2155 + 00
TO
STA. 2185 + 00
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

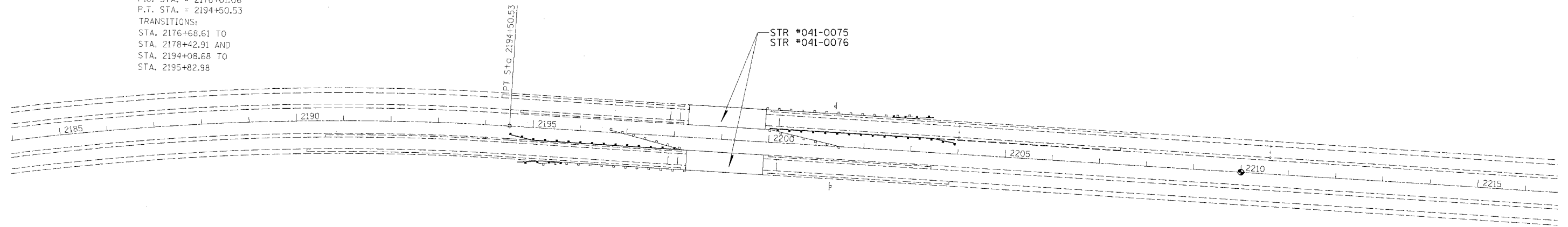
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 PS 5



FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	19
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

EXIST. CURVE 41-7-1
 PI STA. = 2186+31.54
 $\Delta = 16^\circ 29' 41''$ (RT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 830.48'$
 $L = 1,649.47'$
 $E = 59.87'$
 $e = 0.0279$ FT/FT
 $T.R. = 48.75'$
 $S.E. RUN = 125.55'$
 $P.C. STA. = 2178+01.06$
 $P.T. STA. = 2194+50.53$
 TRANSITIONS:
 STA. 2176+68.61 TO
 STA. 2178+42.91 AND
 STA. 2194+08.68 TO
 STA. 2195+82.98



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**STA. 2185 + 00
 TO
 STA. 2215 + 00**

SCALE: VERT.
 HORIZ.
 DATE

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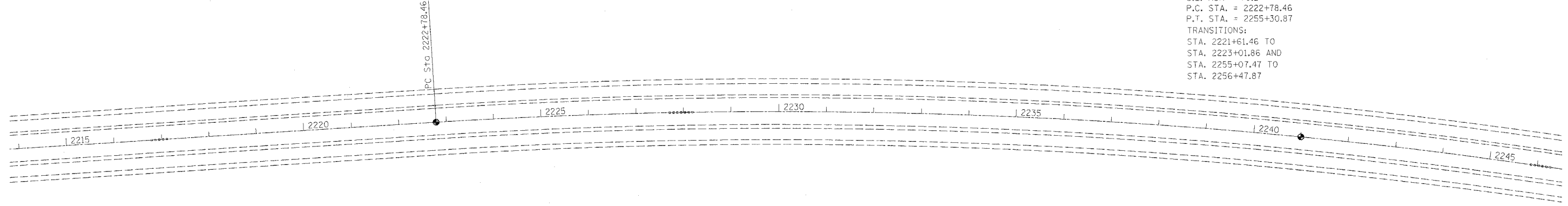
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 PS 6



FBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	20
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

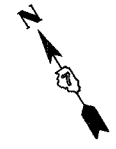
EXIST. CURVE 41-7-2
 PI STA. = 2239+15.67
 $\Delta = 16^\circ 15' 43''$ (RT)
 $D = 0^\circ 30' 00''$
 $R = 11,459.16'$
 $T = 1,637.21'$
 $L = 3,252.41'$
 $E = 116.37'$
 $e = 0.0156$ FT/FT
 $T.R. = 70.2$
 $S.E. RUN = 70.2$
 $P.C. STA. = 2222+78.46$
 $P.T. STA. = 2255+30.87$
 TRANSITIONS:
 STA. 2221+61.46 TO
 STA. 2223+01.86 AND
 STA. 2255+07.47 TO
 STA. 2256+47.87



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STA. 2215 + 00
TO
STA. 2245 + 00
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

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 3/31/2005
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 PS 7



FAI RFL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-71RS-1	JEFFERSON	48	21

CONTRACT NO. 94905

EXIST. CURVE CH22-2
 PI STA. = 55+80.43
 $\Delta = 45^\circ 00' 01''$ (LT)
 D = $7^\circ 30' 00''$
 R = 763.94'
 T = 316.44'
 L = 600.00'
 E = 62.94'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 52+63.99
 P.T. STA. = 58+63.99

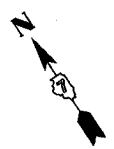
EXIST. CURVE CH22-1
 PI STA. = 44+50.78
 $\Delta = 17^\circ 43' 31''$ (RT)
 D = $7^\circ 30' 00''$
 R = 763.94'
 T = 119.12'
 L = 236.34'
 E = 9.23'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 43+31.66
 P.T. STA. = 46+68.00



REVISIONS	
NAME	DATE

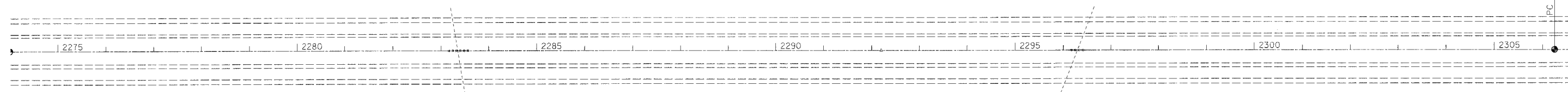
ILLINOIS DEPARTMENT OF TRANSPORTATION
STA. 2245 + 00
TO
STA. 2275 + 00
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

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 PS 8



FAI R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**STA. 2275 + 00
 TO
 STA. 2305 + 00**

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

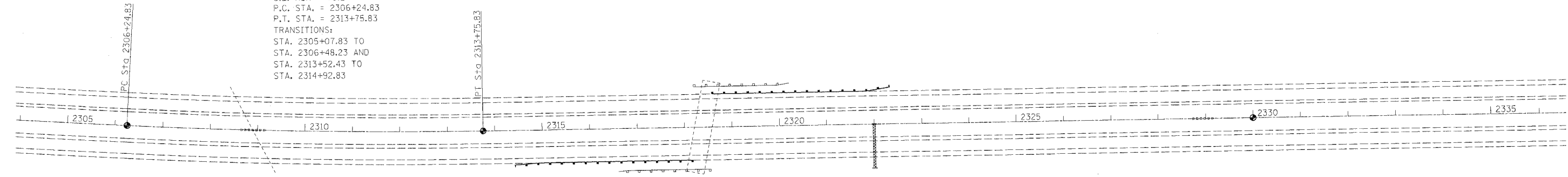
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 PS 9

FAI SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	23
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

EXIST. CURVE 41-7-3
 PI STA. = 2310+00.46
 $\Delta = 3^{\circ} 45' 18''$ (LT)
 $D = 0^{\circ} 30' 00''$
 $R = 11,459.16'$
 $T = 375.63'$
 $L = 751.00'$
 $E = 6.16'$
 $e = 0.0156$ FT/FT
 $T.R. = 70.2$
 $S.E. RUN = 70.2$
 $P.C. STA. = 2306+24.83$
 $P.T. STA. = 2313+75.83$
 TRANSITIONS:
 STA. 2305+07.83 TO
 STA. 2306+48.23 AND
 STA. 2313+52.43 TO
 STA. 2314+92.83



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

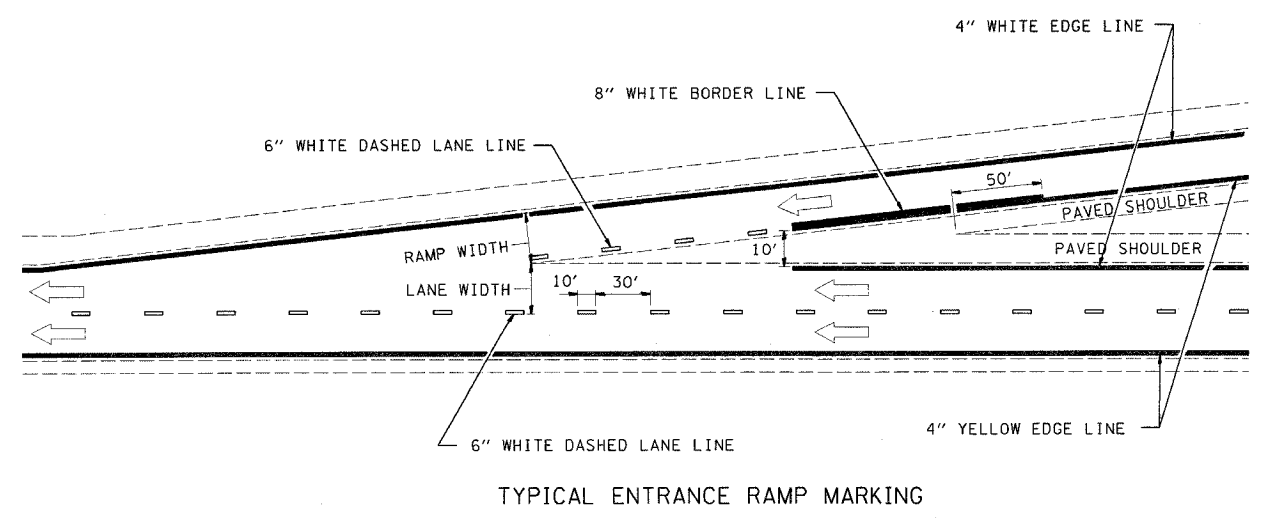
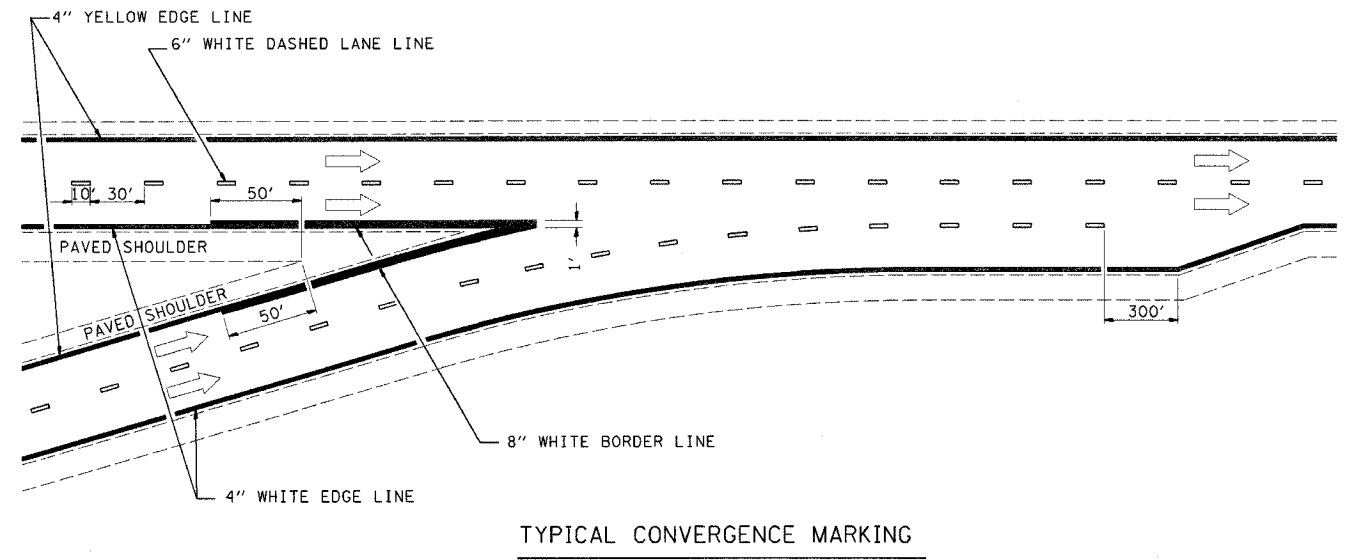
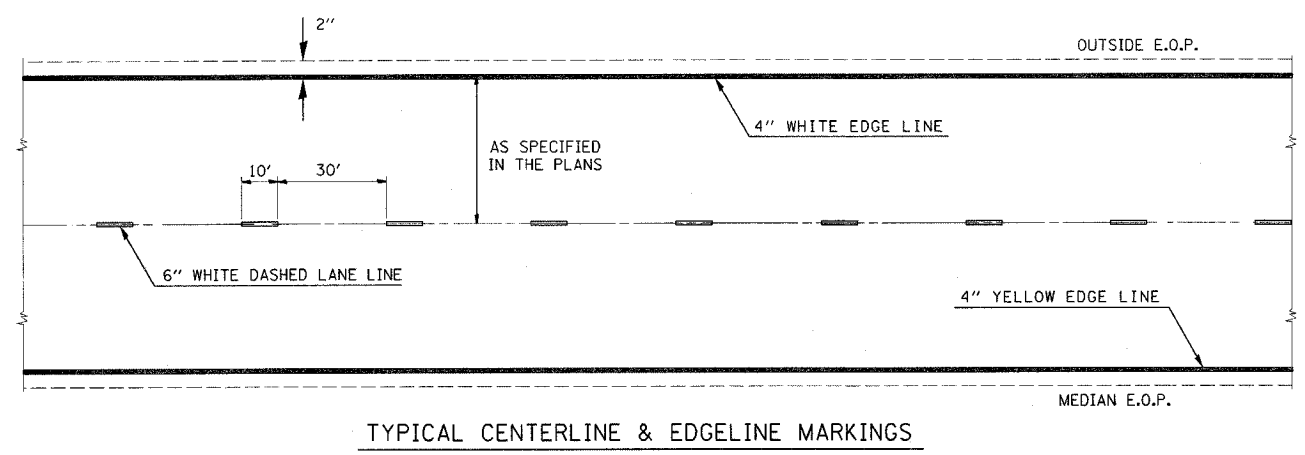
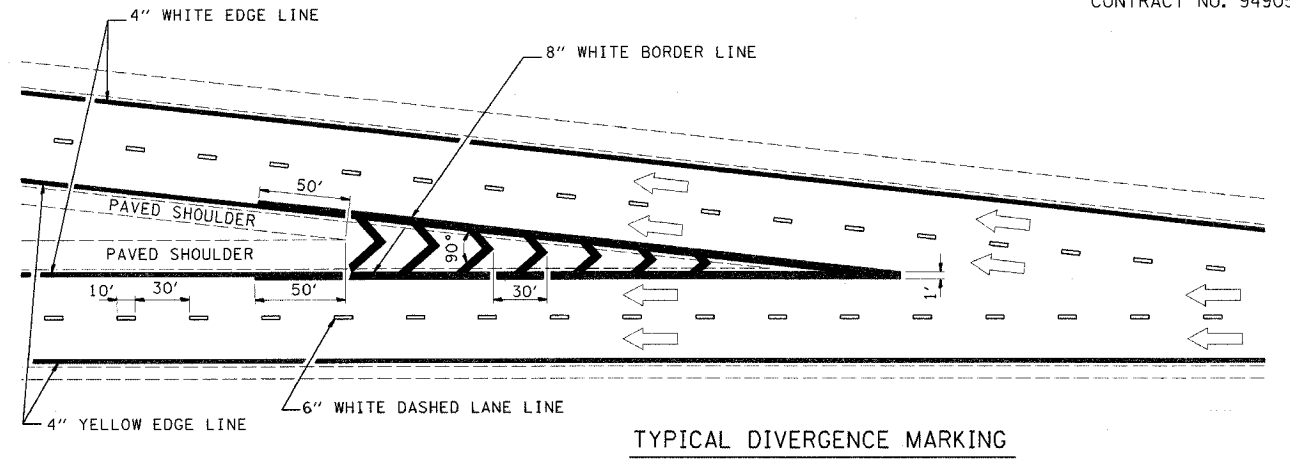
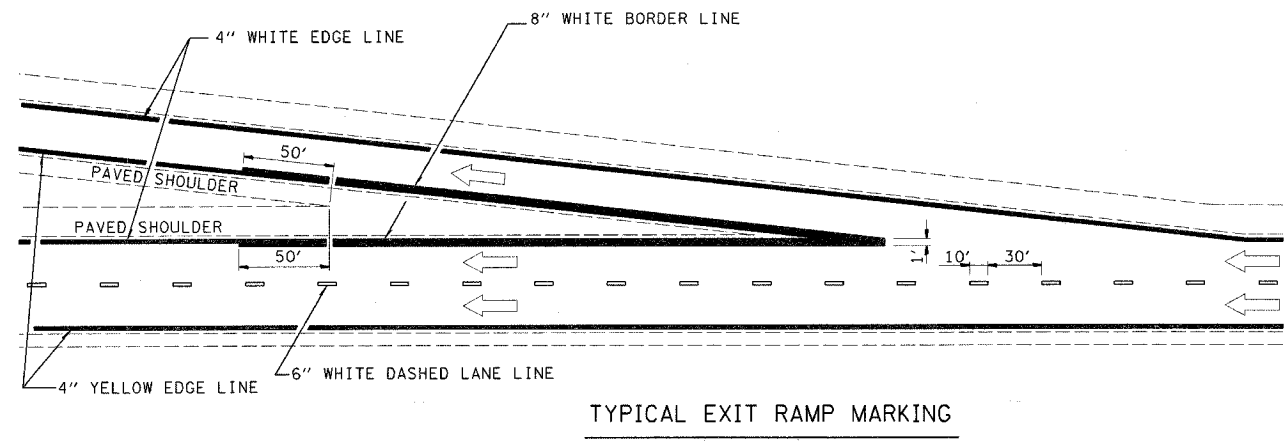
**STA. 2305 + 00
 TO
 STA. 2335 + 00**

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

3/31/2005
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 MMO REV: 05-28-99
 ETIPM
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 19 20 21 22 23 24 25 26 27
 28 29 30 31 32 33 34 35 36
 37 38 39 40 41 42 43 44 45
 46 47 48 49 50 51 52 53 54
 55 56 57 58 59 60 61 62 63

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	25
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				



REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

NOT TO SCALE
 ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL APPLICATIONS OF INTERCHANGE PAVEMENT MARKING
 SCALE: VERT. DATE
 HORIZ. ISSUED: 05-01-96
 DRAWN BY
 CHECKED BY

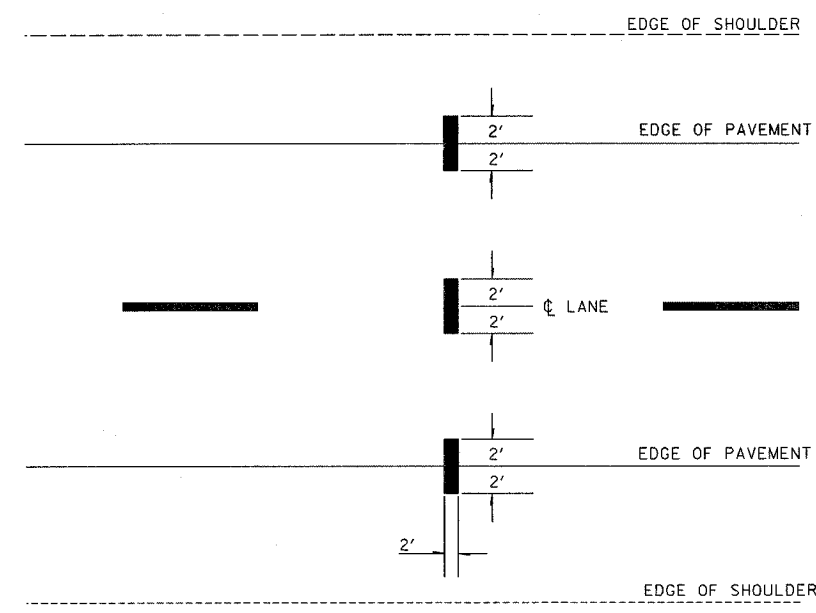
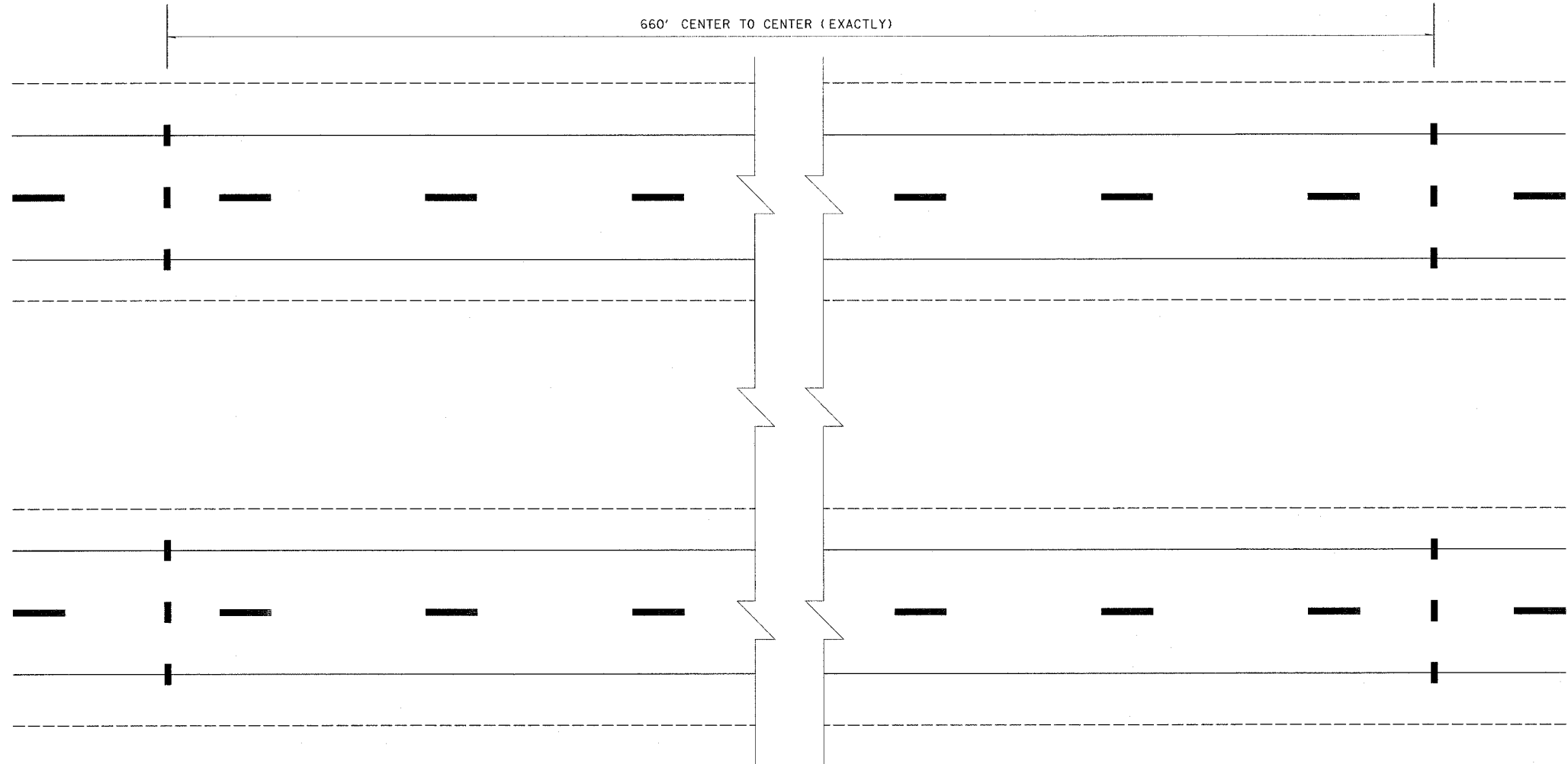
c:\projects\94905\d04201pa.dgn
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1 2 3 4 5 6 7 8 9 3/31/2005
 10 11 12 13 14 15 16 17 18 c:\projects\94905\d04201pa.dgn
 19 20 21 22 23 24 25 26 27 MMO REV: 06-01-99
 28 29 30 31 32 33 34 35 EACZC
 36 37 38 39 40 41 42 43 44 45
 46 47 48 49 50 51 52 53 54
 55 56 57 58 59 60 61 62 63

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FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-T)RS-1	JEFFERSON	48	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO.		

CONTRACT NO. 94905



NOTE:
 STATE POLICE REPRESENTATIVE MUST BE
 PRESENT WHEN PAVEMENT MARKING IS PLACED

NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99

ILLINOIS DEPARTMENT OF TRANSPORTATION

AERIAL SPEED ZONE CHECKS

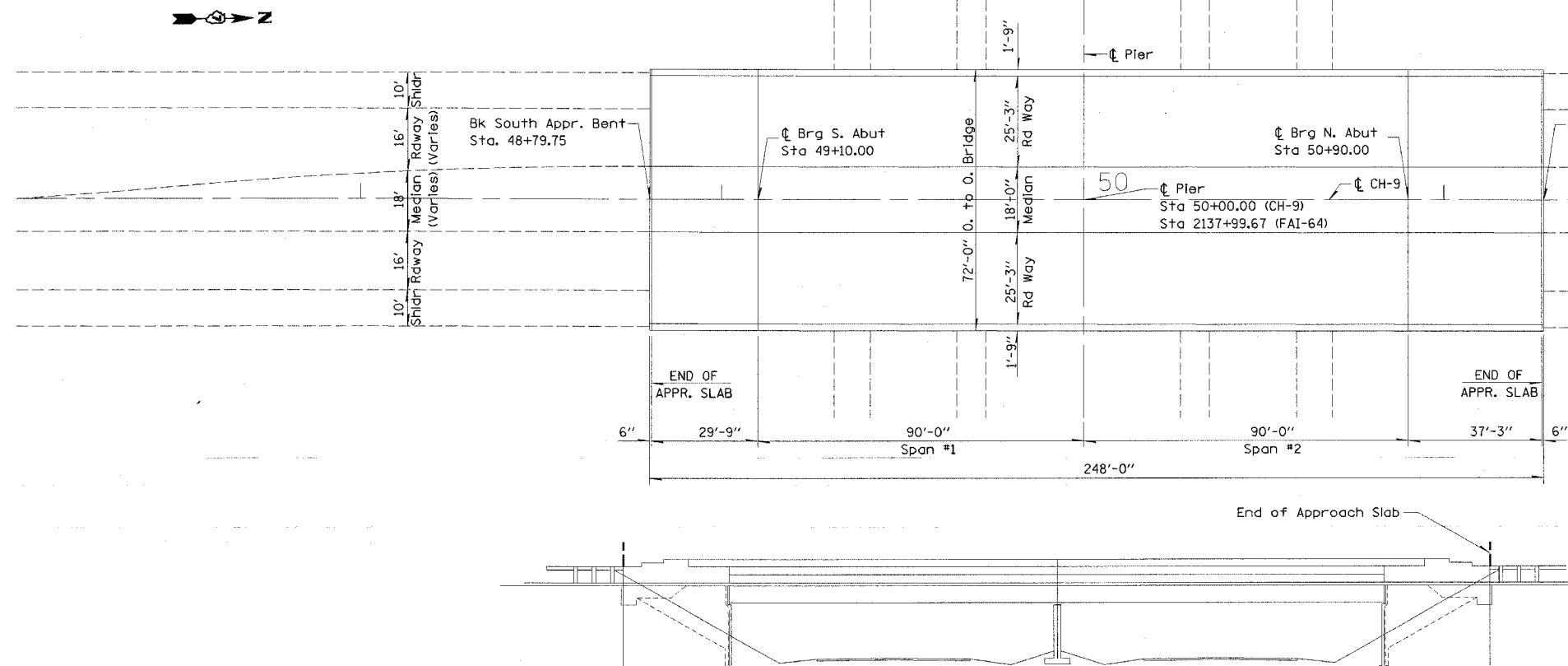
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 HORIZ.
 DATE ISSUED: 06-20-97

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FAI ETC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	27
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905



GENERAL NOTES

The work included in the structural repairs for SN 041-0069 and SN 041-0080 consists of removing the existing bituminous wearing surface, hydroscarification, deck slab repair, microsilica overlay, new expansion joints, new bearing assemblies, and all other work to complete the repairs.

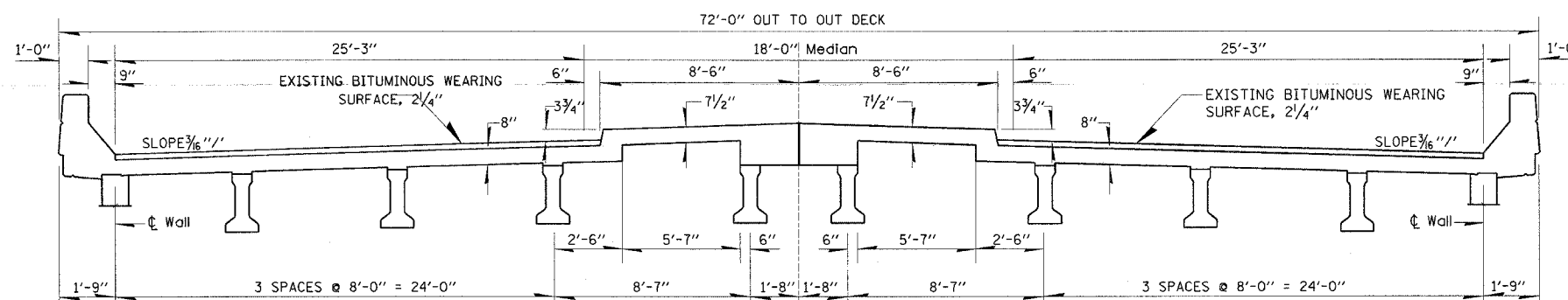
Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction 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 bid for the work.

Areas of deck repairs shown are estimated. The engineer shall show actual locations of deck repairs on as-built plans.

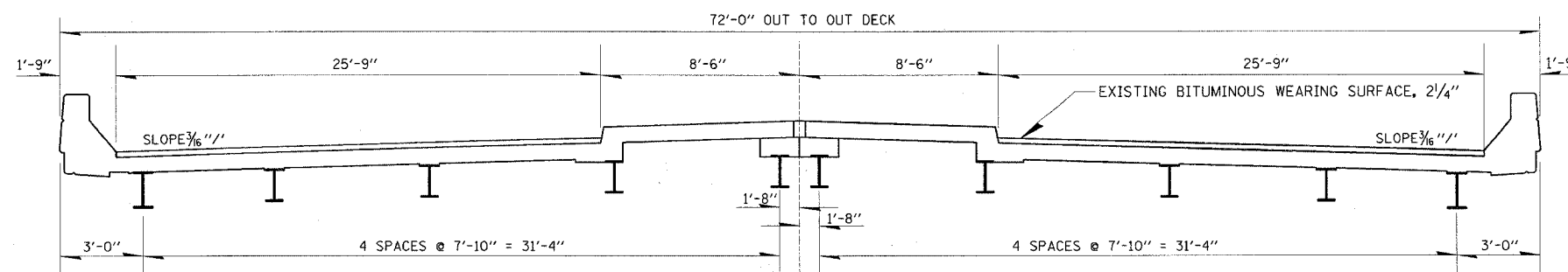
The minimum thickness for the MICROSILICA CONCRETE OVERLAY shall be 2-1/4".

BILL OF MATERIALS SN. 041-0069

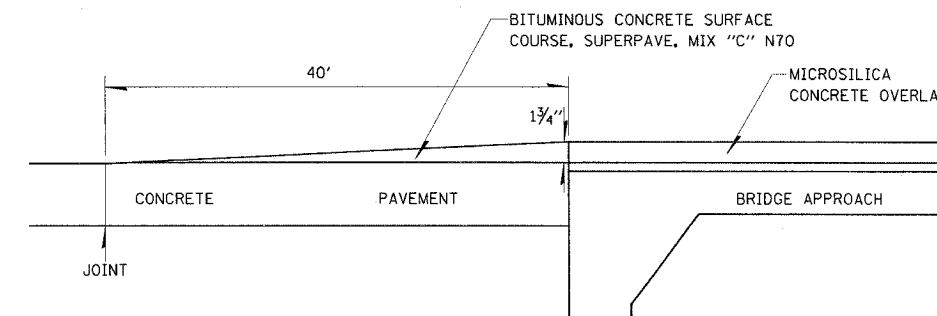
Bituminous Concrete Removal (DECK)	SQ YD	1414
Bridge Deck Hydro-Scarification 1/2"	SQ YD	1414
Bridge Deck Microsilica Concrete Overlay 2 1/4"	SQ YD	1414
Bridge Deck Grooving	SQ YD	1304
Formed Concrete Repair <= 5"	SF	14
Silicone Joint Sealer, 1.5"	FOOT	144
Polymer Concrete	CU FT	8.8
Plug Existing Deck Drains	EACH	4
Deck Slab Repair (Full Depth, Type II)	SQ YD	2



TYPICAL SECTION AT APPROACH



TYPICAL SECTION AT BRIDGE



PROPOSED BITUMINOUS FEATHER REPLACEMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GENERAL PLAN
& ELEVATION**
STA 2137 + 99.67 F.A.I. 64
STR #041-0069

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
DATE

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3/31/2005
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FAI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	41-TRS-1	JEFFERSON	48	28
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

BITUMINOUS SCHEDULE

LOCATION	TEMPORARY RAMP SQ YD	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GAL	AGGREGATE (PRIME COAT) TON	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"C", N70 TON
041-0069					
STAGE I	35.0	232	24	2	12
STAGE II	35.0	232	24	2	12
TOTAL	70	464	48	4	24

BRIDGE REPAIR SCHEDULE

LOCATION	LENGTH FEET	BITUMINOUS CONCRETE REMOVAL (DECK) SQ YD	BRIDGE DECK HYDRO- SCARIFICATION 1/2 IN SQ YD	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4 IN SQ YD	BRIDGE DECK GROOVING SQ YD	PLUG EXISTING DECK DRAINS EACH	POLYMER CONCRETE CY FT	SILICONE JOINT SEALER, 1.5 IN LIN FT	FORMED CONCRETE REPAIR <= 5 IN SQ FT	DECK SLAB REPAIR (FULL DEPTH, TYPE II) SQ YD
041-0069										
Stage I	247	707	707	707	652	2	4.38	72.0		
Stage II	247	707	707	707	652	2	4.38	72.0		2
TOTAL		1414	1414	1414	1304	4	8.8	144	14	2

PAVEMENT MARKING SCHEDULE

LOCATION	WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	SHORT TERM PAVEMENT MARKING FEET	TEMPORARY PAVEMENT MARKING - LINE 4" FEET	PAINT PAVEMENT MARKING - LINE 4" FEET
041-0069				
STAGE I =	86	327	327	327
STAGE II =	402	0	327	327
TOTAL	489	327	654	654

FORMED CONCRETE REPAIR DEPTH
EQUAL TO OR LESS THAN 5"

STRUCTURE	LOCATION	QUANTITY SQ FT
041-0069	South Abutment	3
	North Abutment	11
TOTAL		14

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	LENGTH (FT)
55+55.0 TO 55+91.17 3' LT.	36.17
55+55.0 TO 55+91.17 9' LT.	36.17
44+16.58 TO 44+53.00 3' RT.	36.42
44+16.58 TO 44+53.00 9' RT.	36.42
TOTAL=	145.18

MEDIAN REMOVAL

LOCATION	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ FT)
43+87.75 TO 44+16.58	28.83	5.48	158.0
44+16.58 TO 44+53.00	36.42	3.67	133.5
55+55.0 TO 55+91.17	36.17	3.67	132.6
55+91.17 TO 56+20.0	28.83	5.48	158.0
TOTAL=			582.1

TEMPORARY PAVEMENT

LOCATION	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YD)
43+87.75 TO 44+16.58	29	6	19.2
44+16.58 TO 44+53.00	36	6	24.3
55+55.0 TO 55+91.17	36	6	24.1
55+91.17 TO 56+20.0	29	6	24.1
TOTAL=			91.7

PCC BASE COURSE WIDENING, 8"

LOCATION	LENGTH (FT)	WIDTH (FT)	QUANTITY (SQ YD)
43+87.75 TO 44+01.00	13	6	8.8
44+01.00 TO 44+53.00	52	1	5.8
55+55.00 TO 56+07.00	52	1	5.8
56+07.00 TO 56+20.0	13	6	8.7
TOTAL=			29.1

CONCRETE MEDIAN, TYPE SM-4.06

LOCATION	LENGTH FEET	WIDTH FEET	QUANTITY SQ FT
44+01.00 TO 44+53.00	52.00	VAR.	256.3
55+55.00 TO 56+07.00	52.00	VAR.	256.3
TOTAL			512.6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

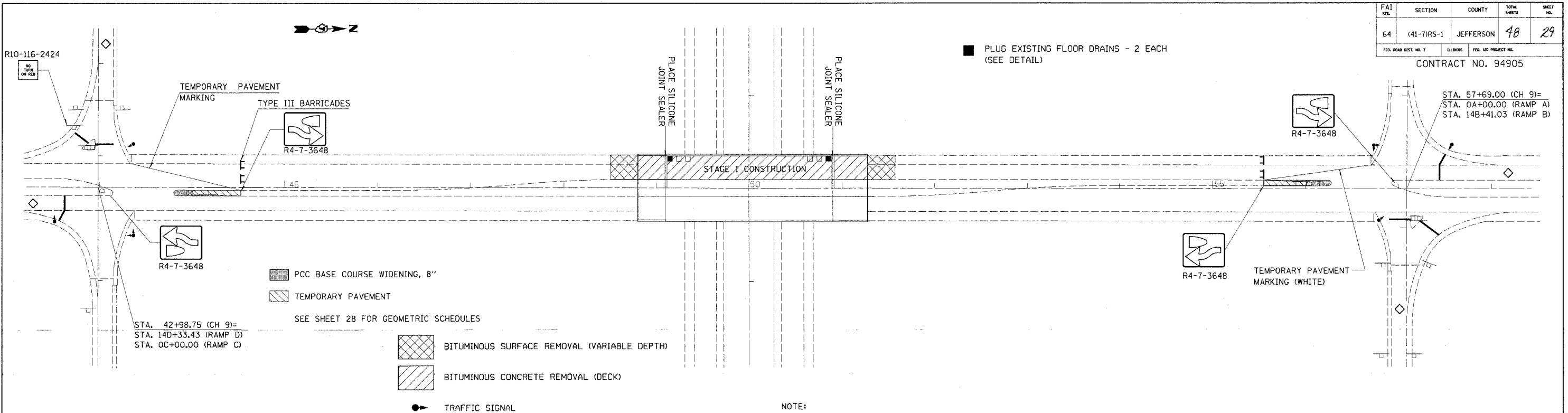
QUANTITY SCHEDULES
S.N. 041-0069

SCALE: VERT.
HORIZ.
DATE

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3/31/2005
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FAI RTL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-71RS-1	JEFFERSON	48	29
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	
CONTRACT NO. 94905				



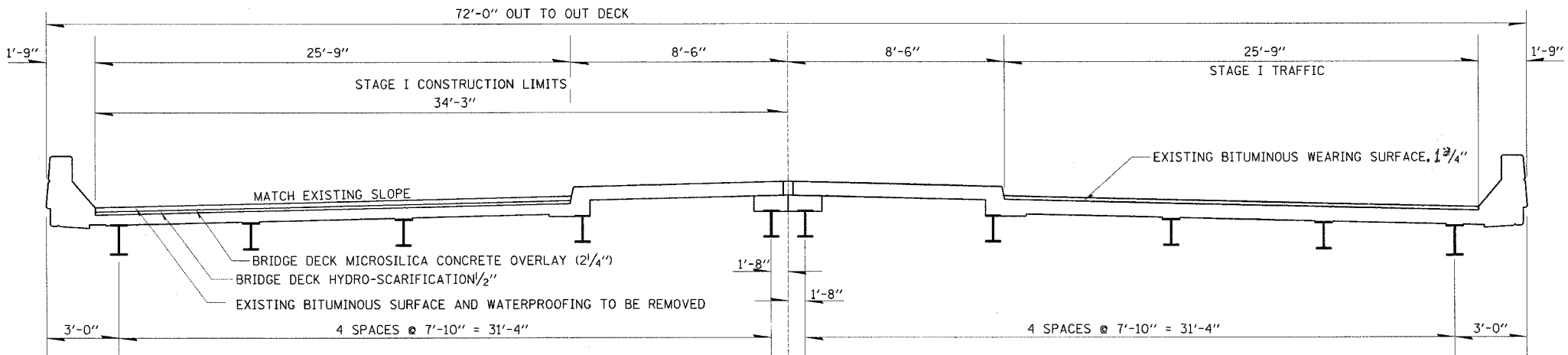
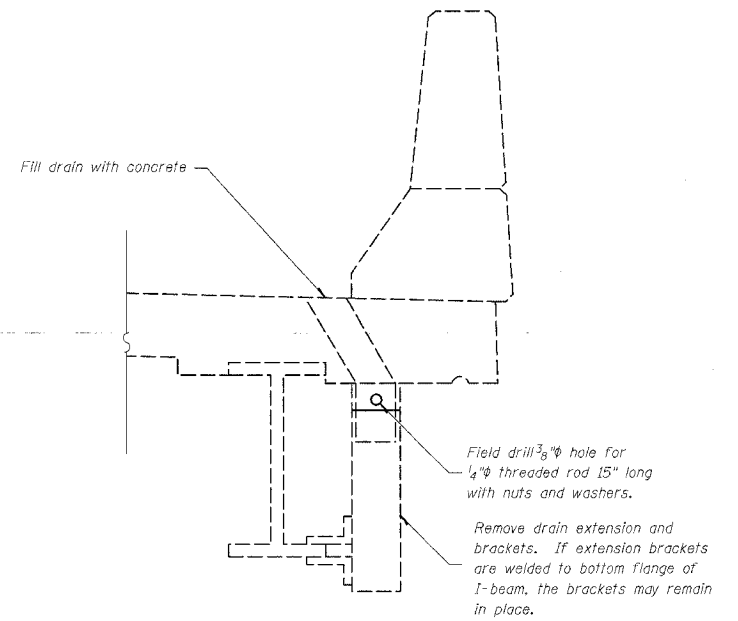
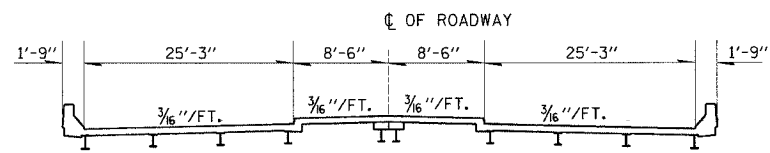
TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL) 1.0 EACH
 TEMPORARY BRIDGE TRAFFIC SIGNALS, SPECIAL 1.0 EACH

NOTE:

TWO-FACE VERTICAL PANELS SHALL BE PLACED ALONG THE EDGE OF SHOULDER BETWEEN THE RAMPS AT 50-FOOT CENTERS.
 THE GEOMETRIC IMPROVEMENTS TO THE RAMPS AS SHOWN ELSEWHERE IN THESE PLANS SHALL NOT BE CONSTRUCTED UNTIL THE COMPLETION OF BOTH STAGES OF THE BRIDGE REPAIR OPERATIONS.

USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316. DETAILS SHOWN ON STANDARD 701316 HAVE BEEN OMITTED FROM THIS SHEET FOR CLARITY. NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE SIGNING IN ADVANCE OF THE STOP BARS SHALL BE REQUIRED. THE ADVANCE DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY 100 FEET IN ADVANCE OF THE STOP BAR. NO NEAR LOOPS WILL BE REQUIRED.

THE EXISTING CONCRETE MEDIAN SURFACE AND CURB AND GUTTER SHALL BE REMOVED TO THE LIMITS AS SHOWN ON THE PLANS PRIOR TO THE INSTALLATION OF THE TRAFFIC CONTROL. THIS AREA SHALL BE FILLED WITH PCC BASE COURSE WIDENING 8" AND TEMPORARY PAVEMENT AS SHOWN ABOVE, CONSTRUCTED LEVEL WITH THE ADJACENT PAVEMENT. AT THE CONCLUSION OF THE BRIDGE DECK REPAIR OPERATIONS THE TEMPORARY PAVEMENT SHALL BE REMOVED AND REPLACED WITH CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE CONSTRUCTED TO THE LIMITS AS SHOWN ON THE PLANS.



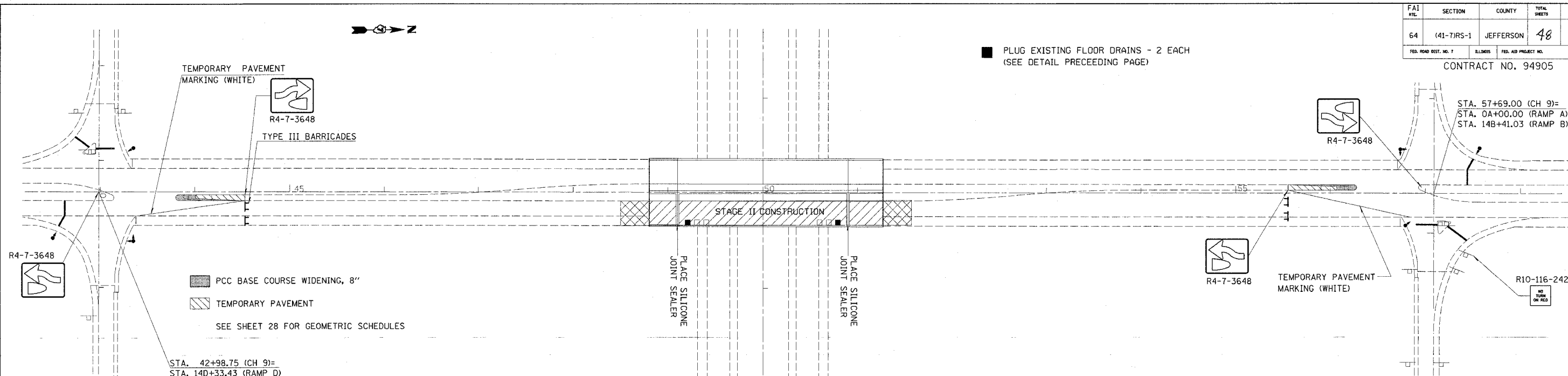
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE I CONSTRUCTION DETAILS
SN 041-0069
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

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3/31/2005
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STG2-69

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	30

CONTRACT NO. 94905



- BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)
- BITUMINOUS CONCRETE REMOVAL (DECK)
- TRAFFIC SIGNAL

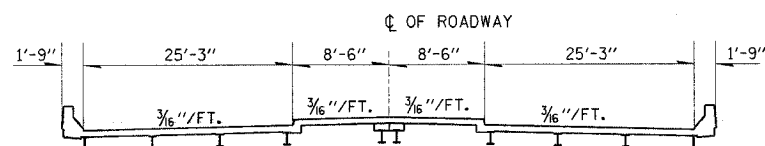
NOTE:

TWO-FACE VERTICAL PANELS SHALL BE PLACED ALONG THE EDGE OF SHOULDER BETWEEN THE RAMPS AT 50-FOOT CENTERS.

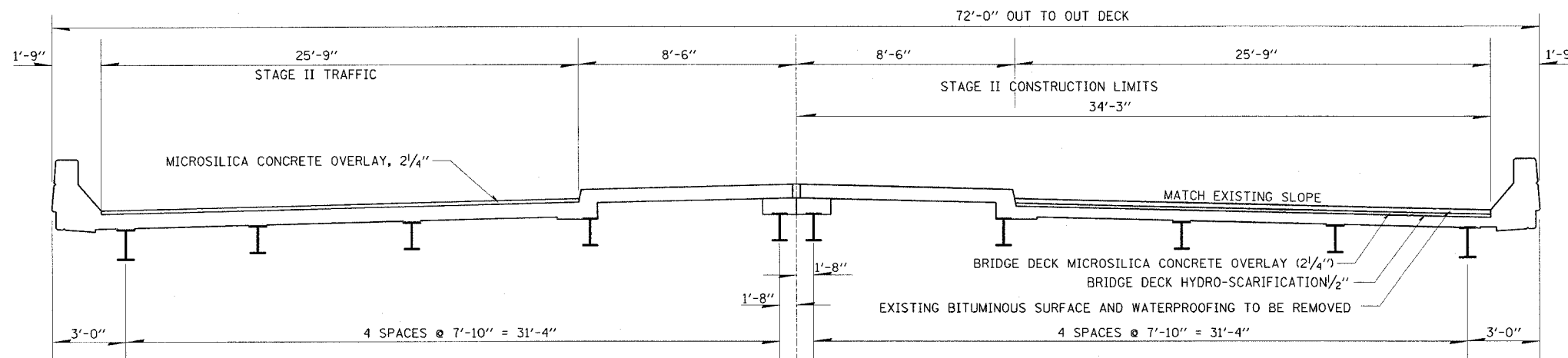
THE GEOMETRIC IMPROVEMENTS TO THE RAMPS AS SHOWN ELSEWHERE IN THESE PLANS SHALL NOT BE CONSTRUCTED UNTIL THE COMPLETION OF BOTH STAGES OF THE BRIDGE REPAIR OPERATIONS.

USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316. DETAILS SHOWN ON STANDARD 701316 HAVE BEEN OMITTED FROM THIS SHEET FOR CLARITY. NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE SIGNING IN ADVANCE OF THE STOP BARS SHALL BE ERECTED BOTH DIRECTIONS ON RAMP A, AND ON RAMP D. THE ADVANCE DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY 100 FEET IN ADVANCE OF THE STOP BAR. NO NEAR LOOPS WILL BE REQUIRED.

THE EXISTING CONCRETE MEDIAN SURFACE AND CURB AND GUTTER SHALL BE REMOVED TO THE LIMITS AS SHOWN ON THE PLANS PRIOR TO THE INSTALLATION OF THE TRAFFIC CONTROL. THIS AREA SHALL BE FILLED WITH PCC BASE COURSE WIDENING 8" AND TEMPORARY PAVEMENT AS SHOWN ABOVE, CONSTRUCTED LEVEL WITH THE ADJACENT PAVEMENT. AT THE CONCLUSION OF THE BRIDGE DECK REPAIR OPERATIONS THE TEMPORARY PAVEMENT SHALL BE REMOVED AND REPLACED WITH CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE CONSTRUCTED TO THE LIMITS AS SHOWN ON THE PLANS.



SLOPE OF ORIGINAL DECK



STAGE II CONSTRUCTION
SN 041-0069 LOOKING NORTH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

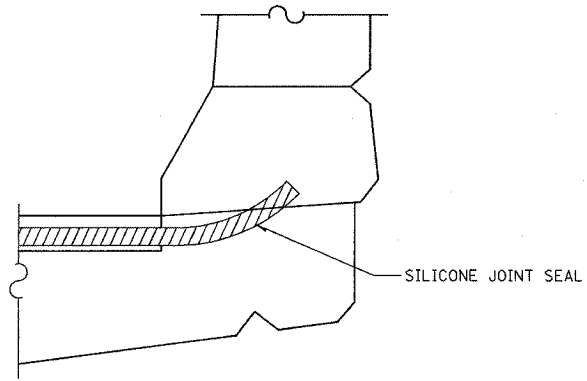
**STAGE II
CONSTRUCTION DETAILS
SN 041-0069**

SCALE: VERT. DRAWN BY
HORIZ. CHECKED BY
DATE

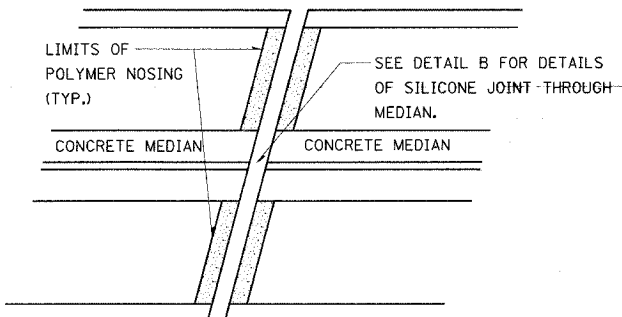
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 3/31/2005
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EXJNT-69

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

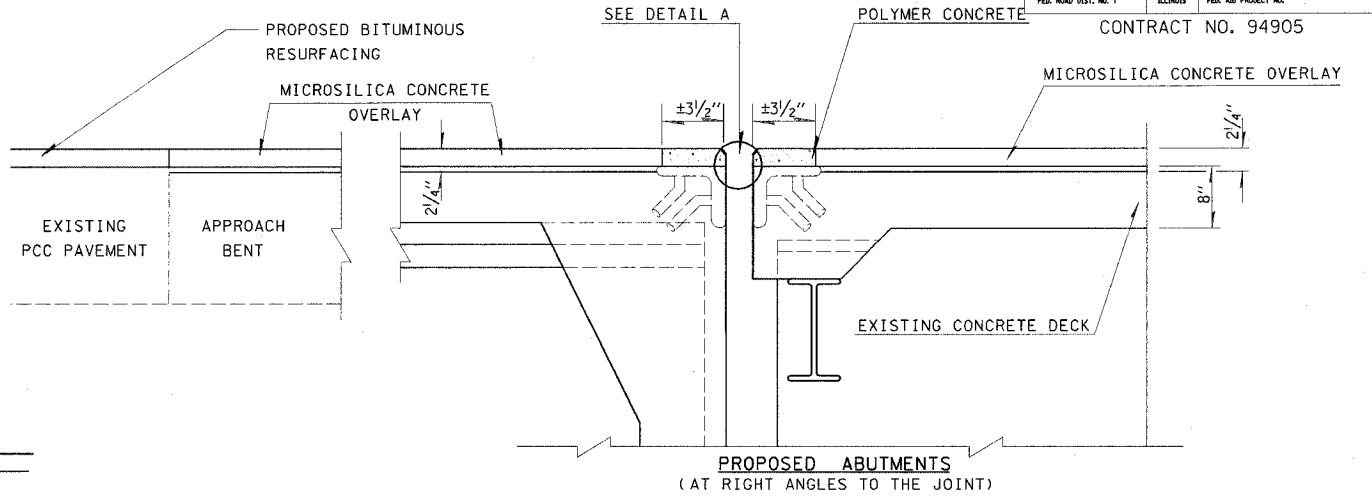
CONTRACT NO. 94905



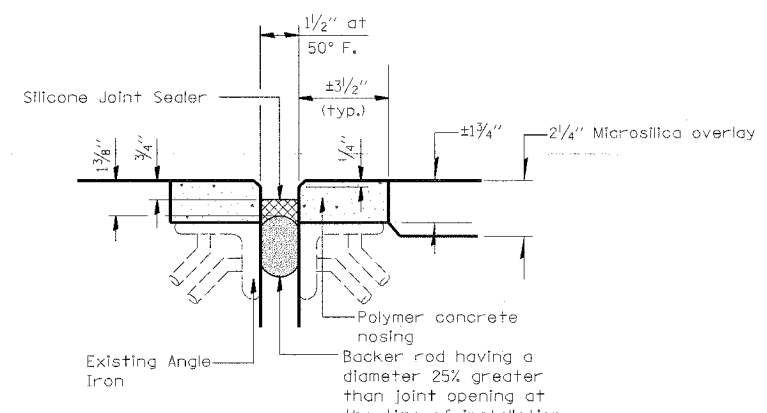
TYPICAL END OF SEAL TREATMENT
 WHEN REPLACING NEOPRENE JOINT



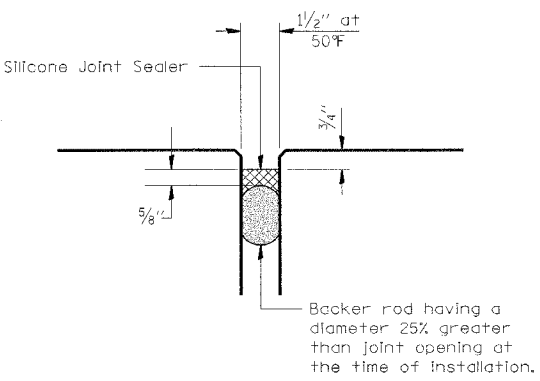
JOINT TREATMENT FOR
 PROPOSED CONCRETE MEDIAN
 EXPANSION JOINTS



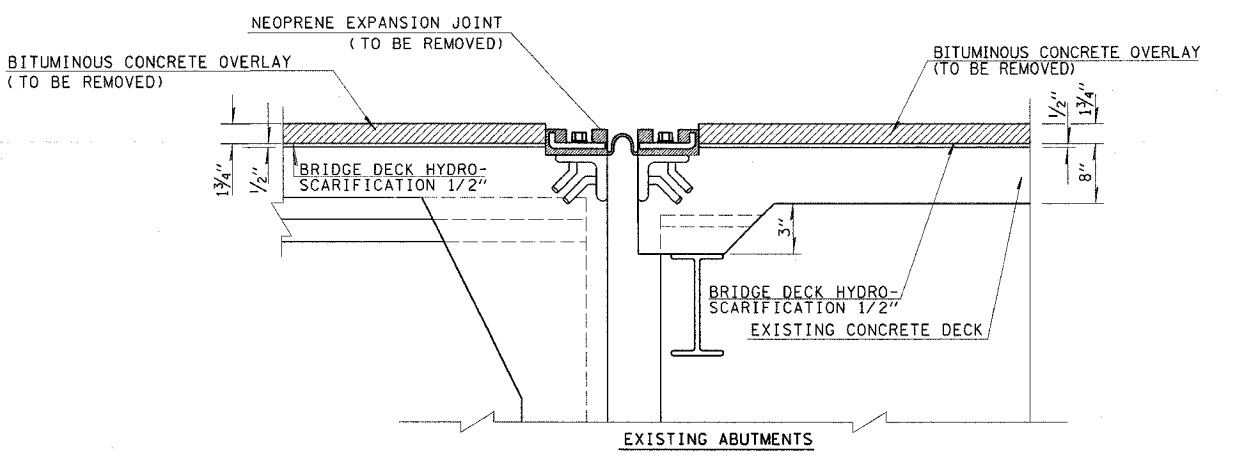
NOTE: SURFACE OF EXISTING ANGLE
 IRON EXPANSION DAMS TO BE
 CLEANED TO THE SATISFACTION
 OF THE ENGINEER PRIOR TO
 PLACEMENT OF POLYMER CONCRETE.
 COST INCLUDED IN POLYMER CONCRETE.



SILICONE JOINT SEALER DETAIL
 DETAIL A



SILICONE JOINT SEALER DETAIL
 DETAIL B



BITUMINOUS CONCRETE REMOVAL (DECK)
 REMOVE EXISTING NEOPRENE EXPANSION JOINTS
 (COST INCLUDED IN SILICONE JOINT SEALER)

REVISIONS	
NAME	DATE

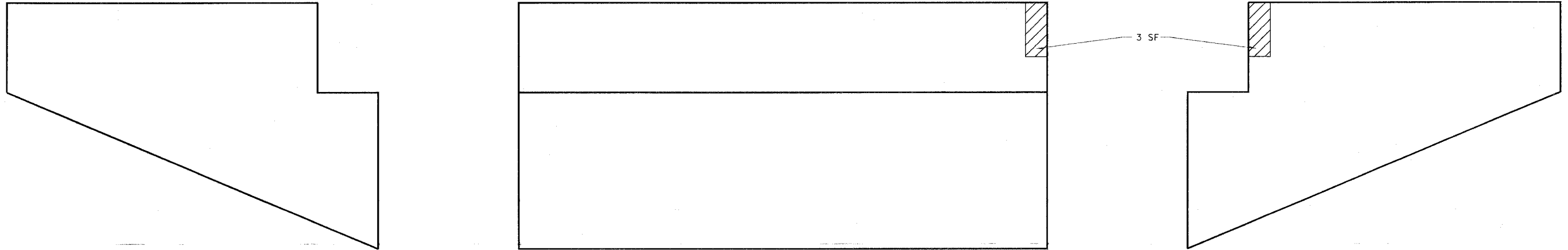
ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXPANSION JOINT DETAILS
 BOTH ABUTMENTS
 S.N. 041-0069**

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

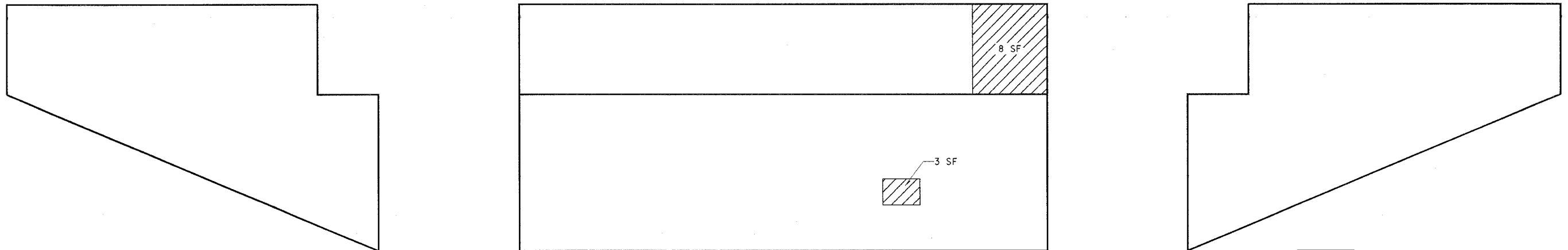
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 3/31/2005
 c:\projects\94905\d\04201p.dgn
 FCRA B-69

FAI #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	41-TIRS-1	JEFFERSON	48	32
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905



SOUTH ABUTMENT



NORTH ABUTMENT

 FORMED CONCRETE REPAIR (DEPTH = <5'')

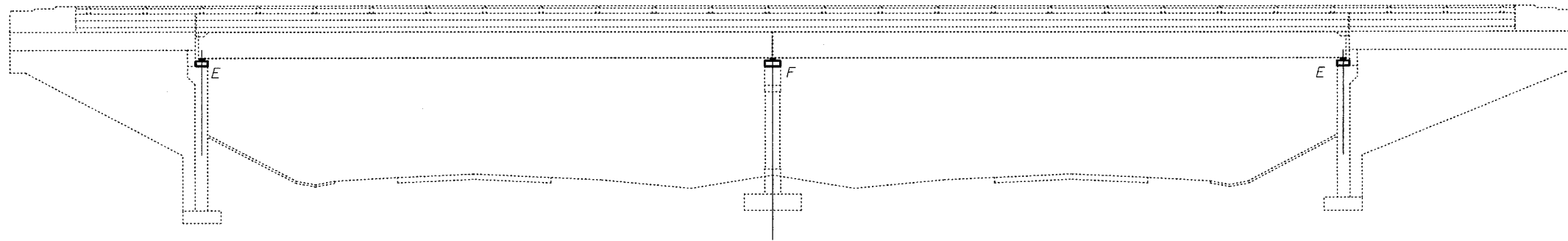
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**FORMED CONCRETE
 REPAIR ABUTMENT**
SN #041-0069
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
		JEFFERSON	48	34	5 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract No. 94905



ELEVATION

NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

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 bid for the work.

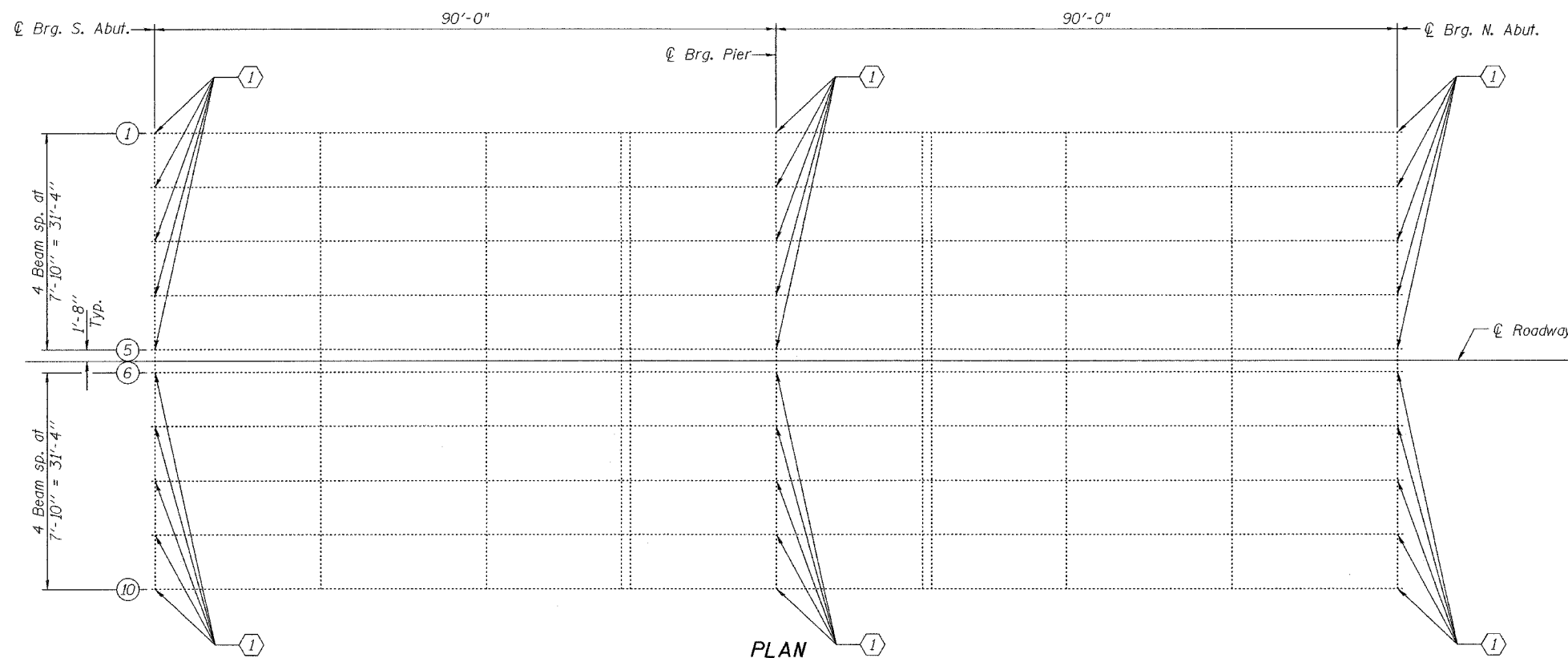
The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

Cost of removal and/or re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of Furnishing and Erecting Structural Steel.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two 1/8" adjusting shims shall be provided for each bearing and placed as detailed.

If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.



PLAN

① Existing bearings to be removed and replaced.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	7.0
Furnishing and Erecting Structural Steel	Pound	4170
Reinforcement Bars, Epoxy Coated	Pound	1580
Elastomeric Bearing Assembly, Type I	Each	20
Jacking and Cribbing	LS	0.7

DESIGNED	Adna T. Holloway
CHECKED	Victor H. Veliz
DRAWN	balva
CHECKED	VHV ATH

APRIL 14, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph C. Adams*
ENGINEER OF BRIDGES AND STRUCTURES



EXPIRES 11-30-2006

PLAN AND ELEVATION
CH 9 OVER FAI 64
JEFFERSON COUNTY
SN 041-0069

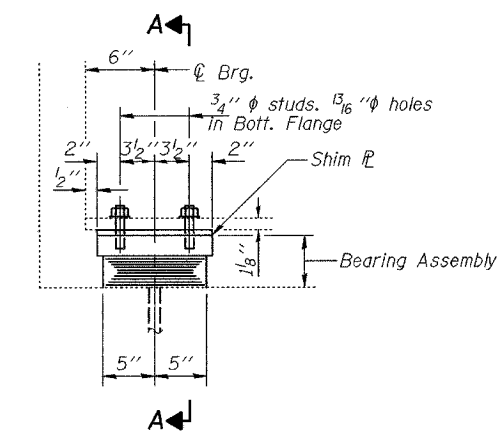
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JEFFERSON	48	35
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

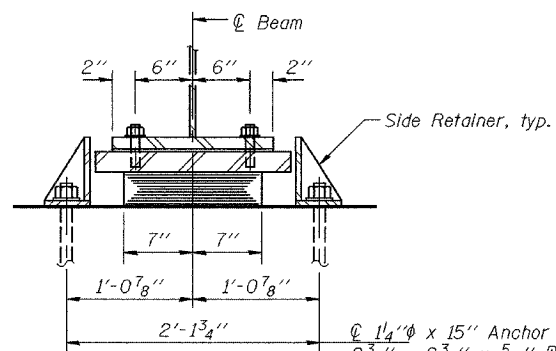
SHEET NO. 2

5 SHEETS

Contract No. 94905

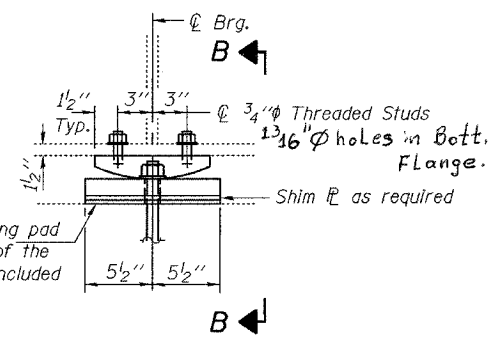


ELEVATION AT ABUT.

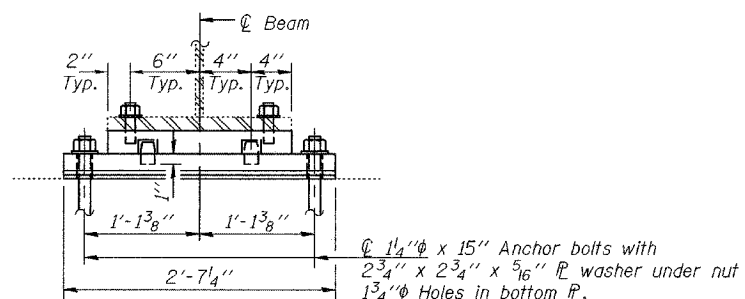


SECTION A-A

1/8" elastomeric neoprene leveling pad according to Article 1052.02 of the Standard Specifications Cost included with Structural Steel.



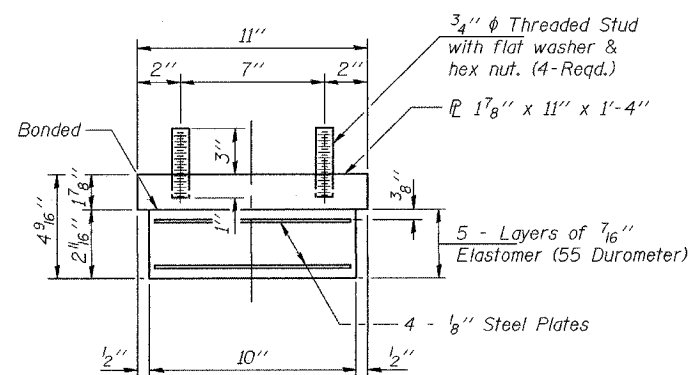
ELEVATION AT PIER



SECTION B-B

FIXED BEARING

TYPE I ELASTOMERIC EXP. BRG.



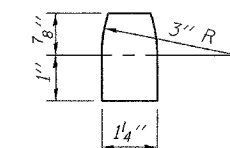
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

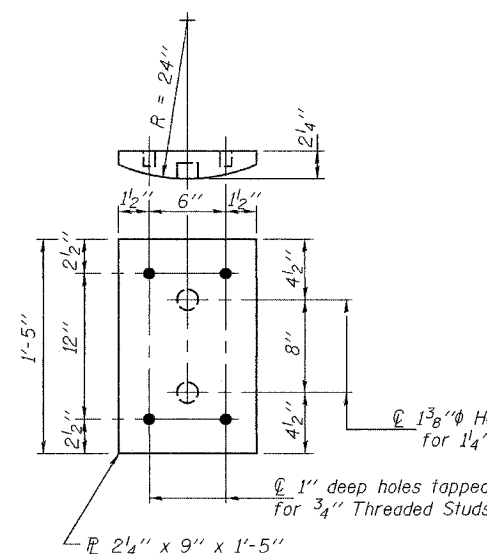
BEAM REACTIONS

	Abutments	Pier
R _Q	(K) 47.4	164.7
R _L	(K) 49.8	72.4
Imp.	(K) 11.6	16.8
R (Total)	(K) 108.8	253.9

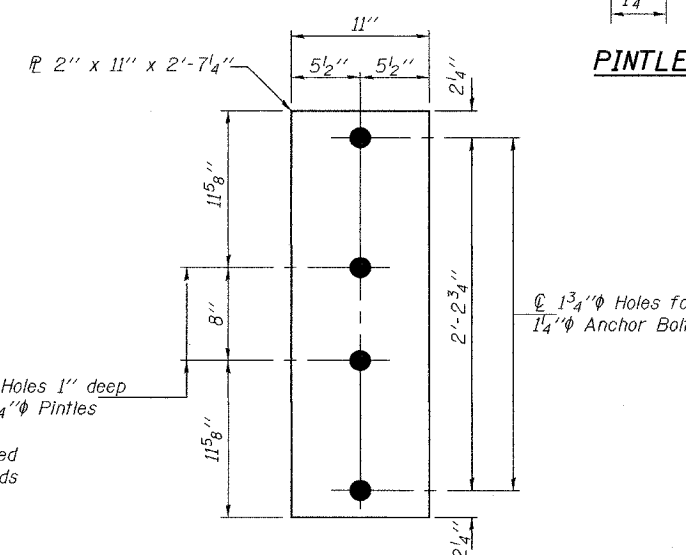
Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New side retainers, shim plates, connection bolts, and anchor bolts are included with Furnishing and Erecting Structural Steel.
See Sheet 3 of 5 for Anchor Bolt installation.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. jack capacity = 60 Tons at abutments.
Min. jack capacity = 155 Tons at pier.



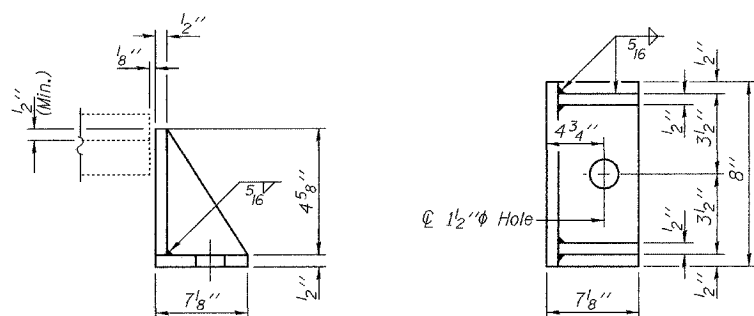
PINTLE



PLAN - TOP PLATE
FIXED BEARING

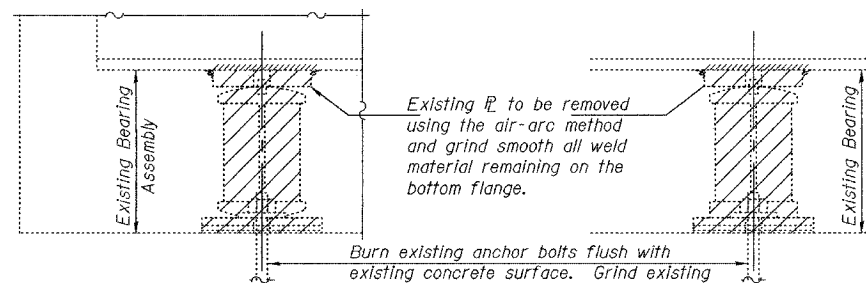


PLAN - BOTTOM PLATE
FIXED BEARING



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



ABUTMENTS

PIER

EXISTING BEARING REMOVAL DETAIL

Cost included with Jacking and Cribbing.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	20
Jacking and Cribbing	LS	1
Furnishing and Erecting Structural Steel	Pound	4170

DESIGNED	ATH
CHECKED	VHV
DRAWN	baliva
CHECKED	ATH VHV

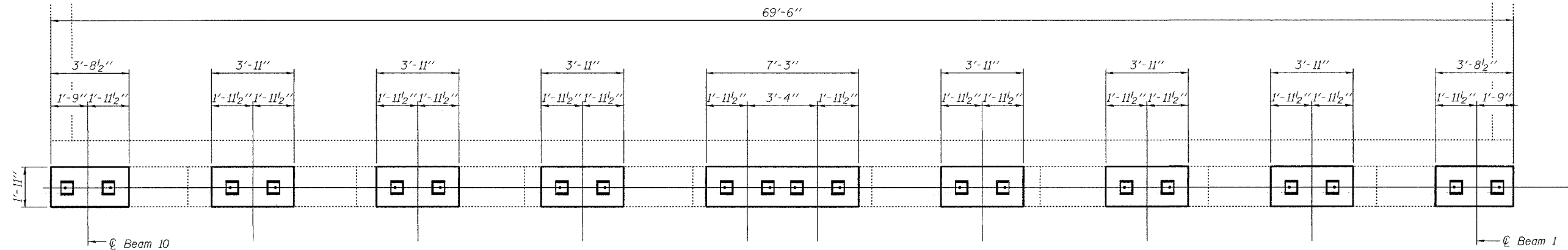
APRIL 13, 2005
EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

REPAIR DETAILS
CH 9 OVER FAI 64
JEFFERSON COUNTY
SN 041-0069

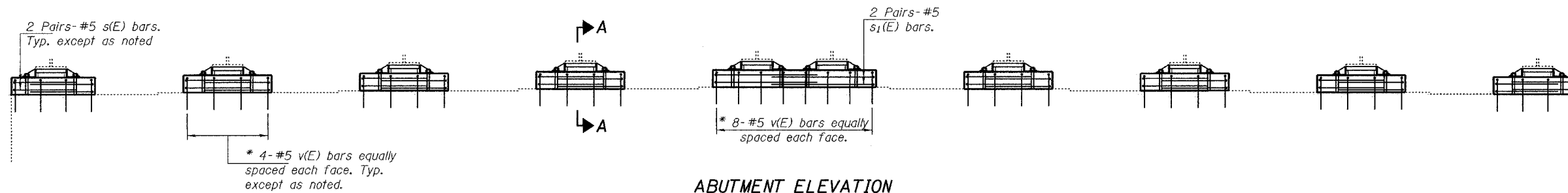
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JEFFERSON	48	37
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

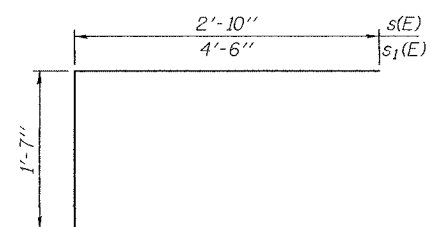
SHEET NO. 4
5 SHEETS
Contract No. 94905



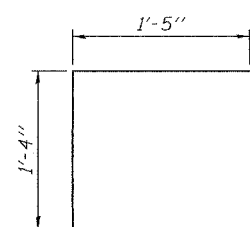
ABUTMENT PLAN
South abutment, looking South
North abutment similar by rotation.



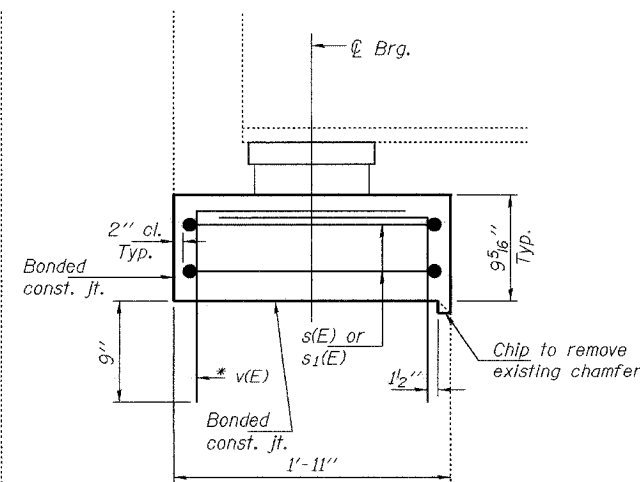
ABUTMENT ELEVATION



BARS s(E) & s₁(E)



BAR v(E)



SECTION A-A

**TWO ABUTMENTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
s(E)	64	#5	7'-3"	▬
s ₁ (E)	8	#5	10'-7"	▬
v(E)	160	#5	2'-9"	└
Concrete Structures			Cu. Yd.	4.2
Reinforcement Bars, Epoxy Coated			Lbs.	1030

Reinforcement bars designated (E) shall be epoxy coated.

**REPAIR DETAILS
CH 9 OVER FAI 64
JEFFERSON COUNTY
SN 041-0069**

DESIGNED	ATH
CHECKED	VHV
DRAWN	baliva
CHECKED	ATH VHV

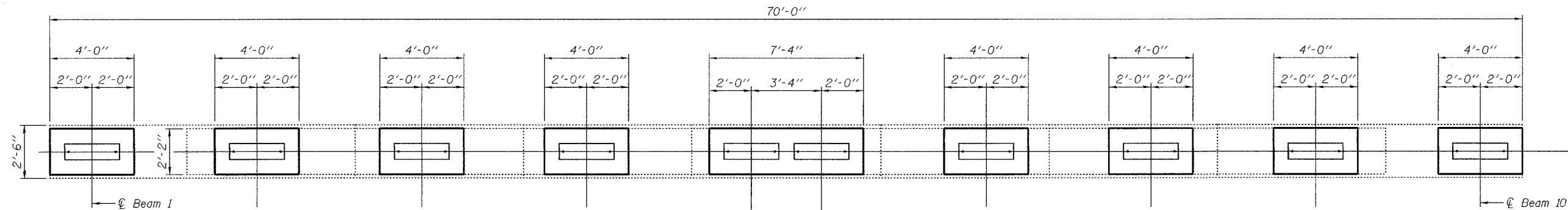
APRIL 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

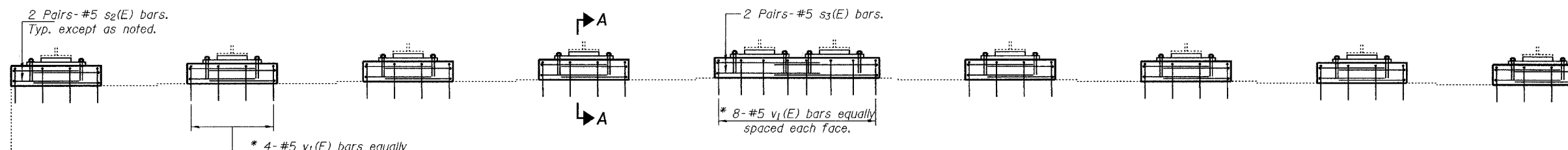
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JEFFERSON	48	38
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

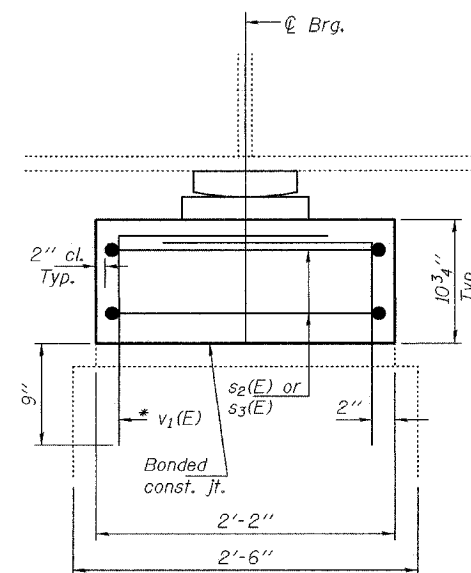
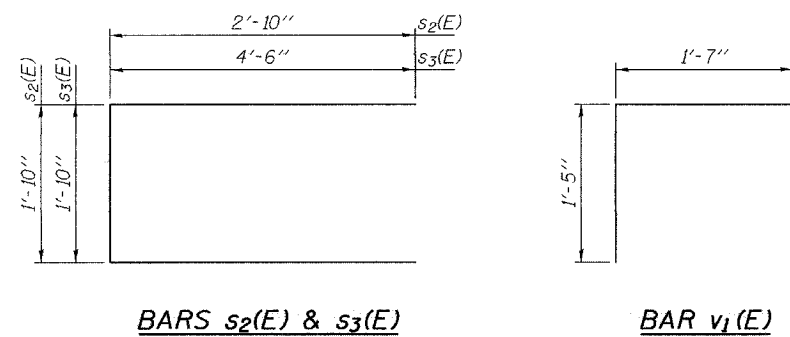
SHEET NO. 5
5 SHEETS
Contract No. 94905



PIER PLAN
Looking North



PIER ELEVATION



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
s ₂ (E)	32	#5	7'-6"	□
s ₃ (E)	4	#5	10'-10"	□
v ₁ (E)	80	#5	3'-0"	Γ
Concrete Structures			Cu. Yd.	2.8
Reinforcement Bars, Epoxy Coated			Lbs.	550

Reinforcement bars designated (E) shall be epoxy coated.

* Epoxy grout v₁(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

REPAIR DETAILS
CH 9 OVER FAI 64
JEFFERSON COUNTY
SN 041-0069

DESIGNED	ATH
CHECKED	VHV
DRAWN	baliva
CHECKED	ATH VHV

APRIL 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

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FBI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7RS-1	JEFFERSON	48	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

BITUMINOUS SCHEDULE

LOCATION	TEMPORARY RAMP SQ YD	BITUMINOUS SURFACE REMOVAL - BUTT JOINT SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GAL	AGGREGATE (PRIME COAT) TON	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", NTO TON
041-0080					
STAGE I	18	140	18	2	14
STAGE II	18	140	18	2	14
TOTAL	36	280	36	4	28

BRIDGE REPAIR SCHEDULE

LOCATION	LENGTH FEET	BRIDGE DECK HYDRO- SCARIFICATION 1/2" SQ YD	DECK SLAB REPAIR (FULL DEPTH, TYPE I) SQ YD	DECK SLAB REPAIR (FULL DEPTH, TYPE II) SQ YD	BRIDGE DECK MICROSILOCA CONCRETE OVERLAY 2 1/4" SQ YD	BRIDGE DECK GROOVING SQ YD	PLUG EXISTING DECK DRAINS EACH	POLYMER CONCRETE CU FT	SILICONE JOINT SEALER LIN FT
041-0080									
Stage I	246	361	1	6	361	333	2	2.25	30
Stage II	246	361	0	0	361	333	2	2.25	30
TOTAL		722	1	6	722	666	4	4.5	60

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**QUANTITY SCHEDULES
 S.N. 041-0080**

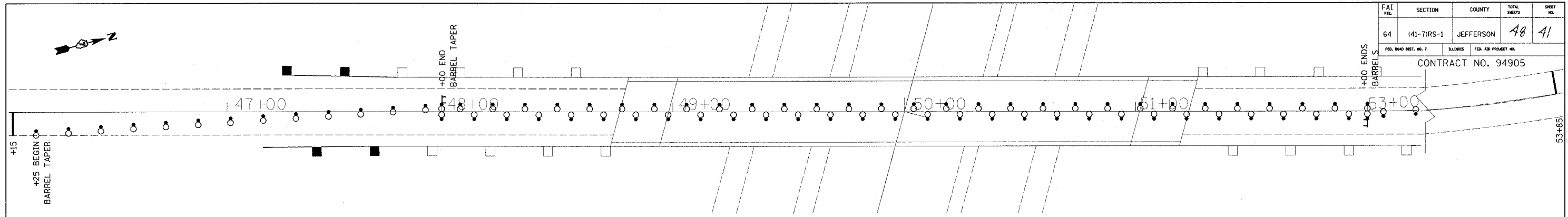
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 DATE

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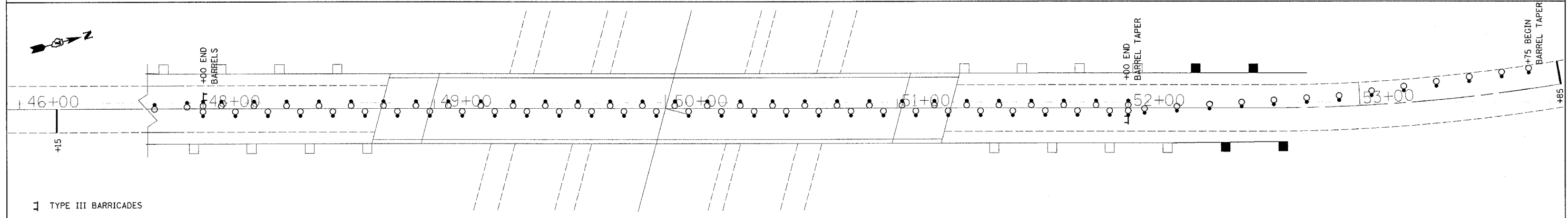
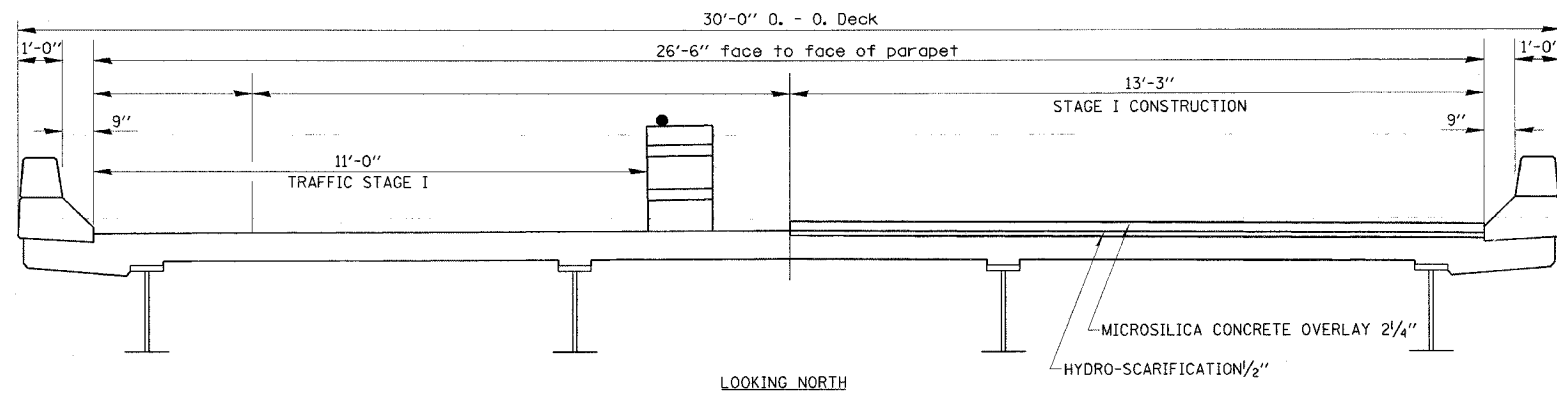
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FAI NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-71RS-1	JEFFERSON	48	41

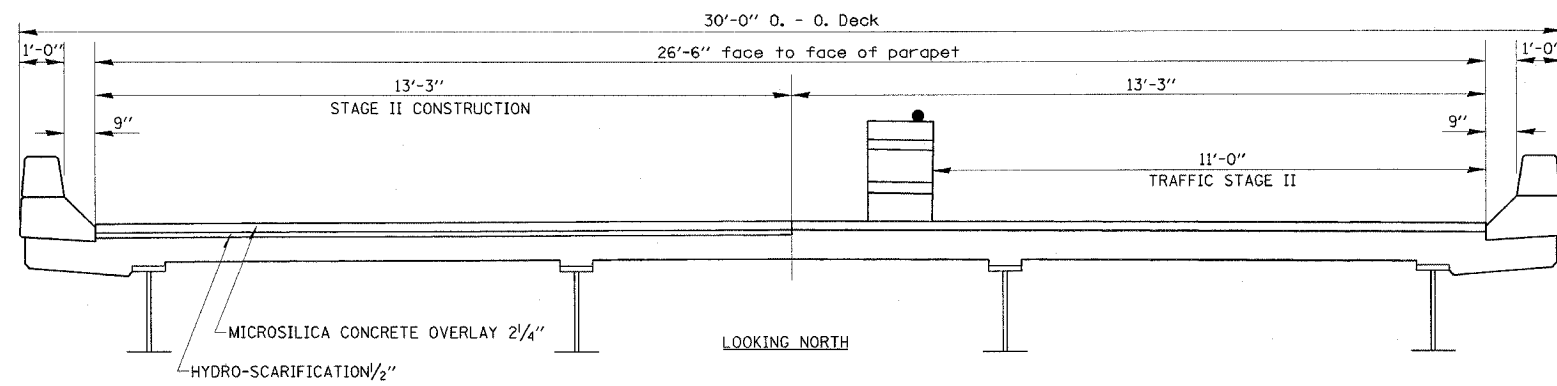
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT NO.
 CONTRACT NO. 94905



TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 1.0 EACH
 TEMPORARY BRIDGE TRAFFIC SIGNALS 1.0 EACH



TYPE III BARRICADES



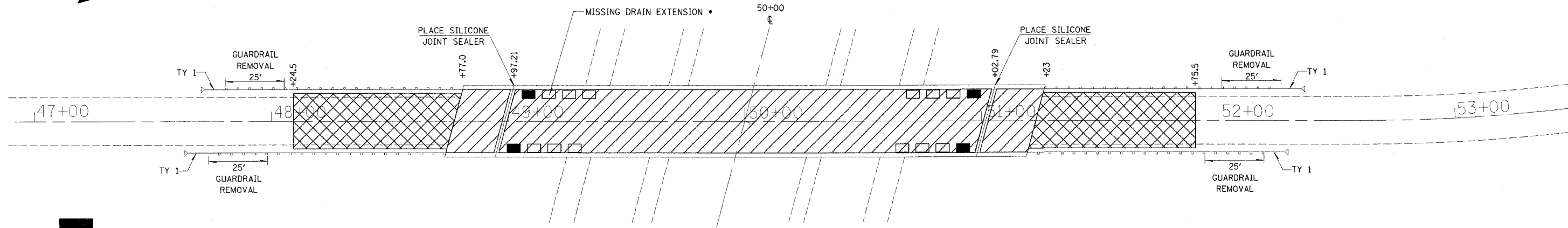
REVISIONS	
NAME	DATE




ILLINOIS DEPARTMENT OF TRANSPORTATION
**STAGE CONSTRUCTION
 DETAIL**
STR #041-0080
 SCALE: VERT. DATE
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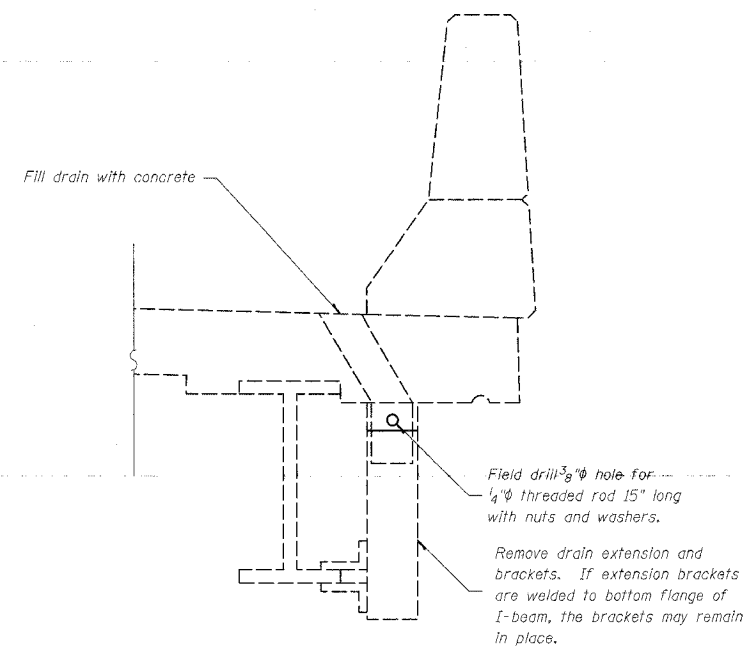
FAI RFL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	40	42
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94941

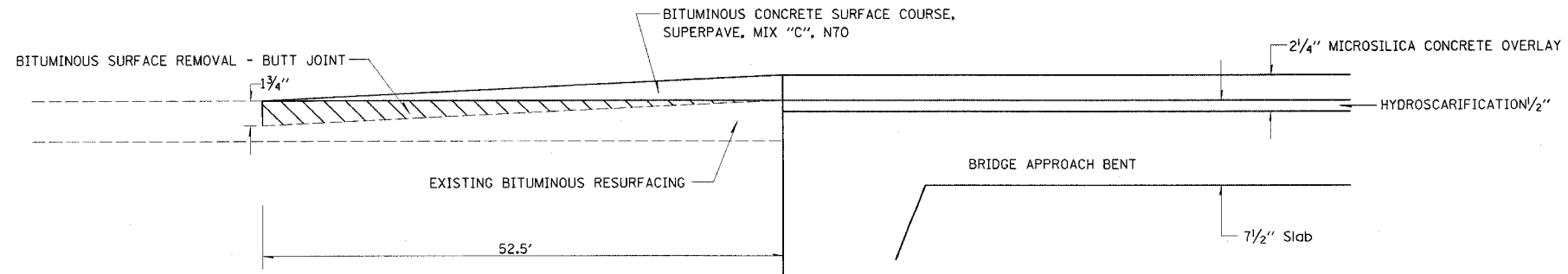


-  PLUG EXISTING FLOOR DRAINS - 4 EACH
-  BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4" & BRIDGE DECK HYDRO-SCARIFICATION 1/2"
-  BITUMINOUS RESURFACING

• NOTE: REPLACE DRAIN EXTENSION WITH EXTENSION FROM PLUGGED DRAIN. ALL WORK AND FASTENING HARDWARE REQUIRED WILL BE INCLUDED IN THE UNIT COST FOR PLUG EXISTING FLOOR DRAINS.



PLUG EXISTING DECK DRAIN
 (QUANTITY = 4 EACH)
 SEE LOCATIONS ABOVE



BITUMINOUS APPROACH TAPER DETAIL

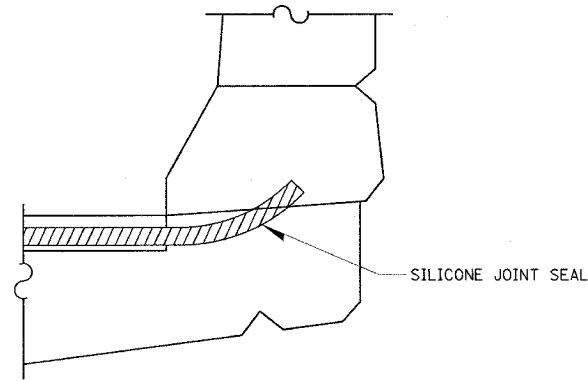
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BRIDGE CONSTRUCTION
 DETAIL**
SN #041-0080
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

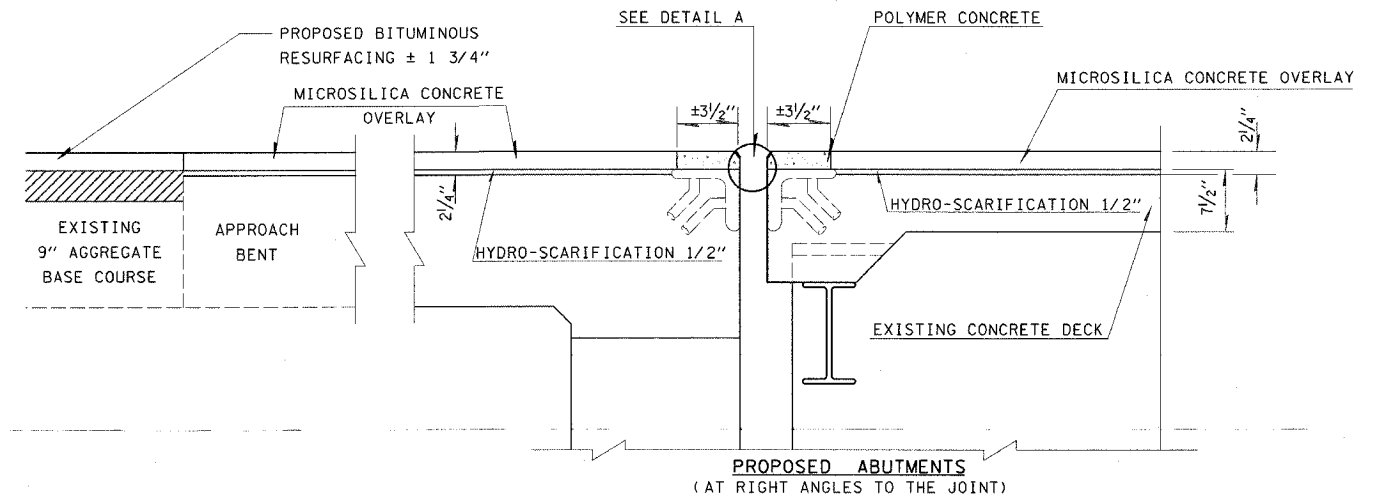
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FAI RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-71RS-1	JEFFERSON	40	43
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO.	

CONTRACT NO. 94905

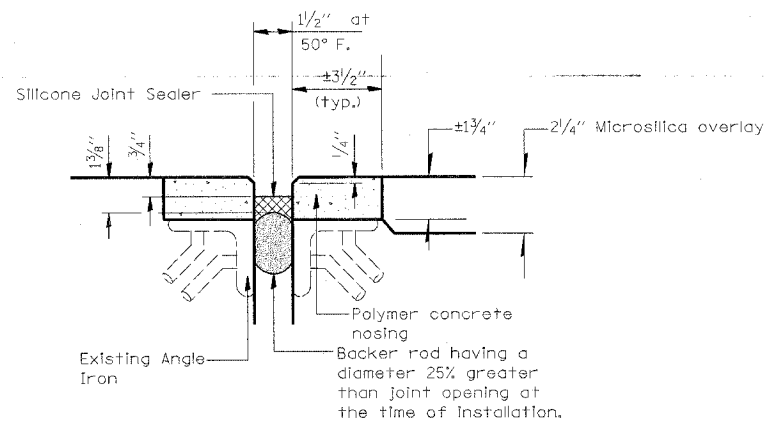


**TYPICAL END OF SEAL TREATMENT
 WHEN REPLACING NEOPRENE JOINT**

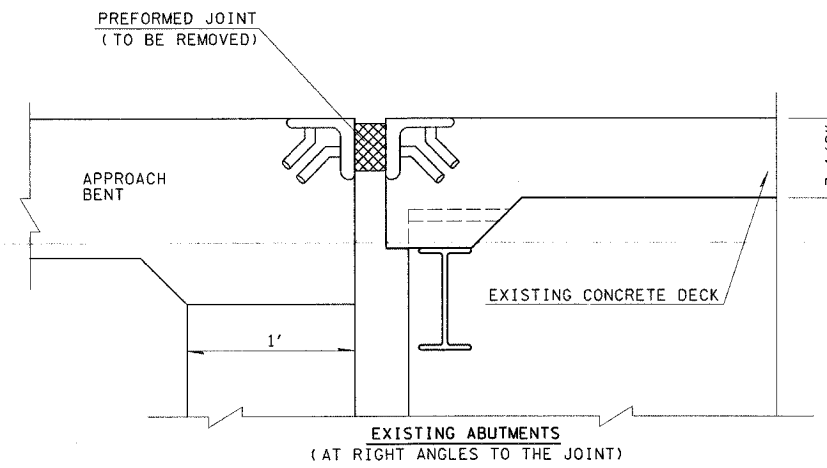


**PROPOSED ABUTMENTS
 (AT RIGHT ANGLES TO THE JOINT)**

NOTE: SURFACE OF EXISTING ANGLE
 IRON EXPANSION DAMS TO BE
 CLEANED TO THE SATISFACTION
 OF THE ENGINEER PRIOR TO
 PLACEMENT OF POLYMER CONCRETE.
 COST INCLUDED IN POLYMER CONCRETE.



**SILICONE JOINT SEALER DETAIL
 DETAIL A**



**EXISTING ABUTMENTS
 (AT RIGHT ANGLES TO THE JOINT)**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXPANSION JOINT DETAILS
 BOTH ABUTMENTS
 S.N. 041-0080**

SCALE: VERT.
 HORIZ.
 DATE

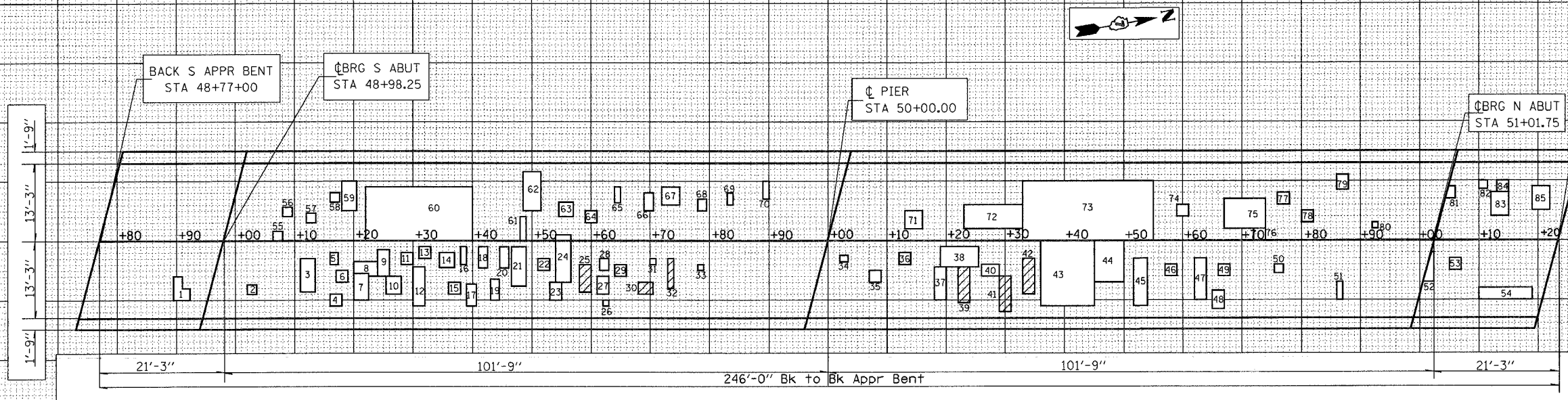
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FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(41-7)RS-1	JEFFERSON	48	44

FED. ROAD DIST. NO. 7 BLANDS FED. AID PROJECT NO.

CONTRACT NO. 94905

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PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SO FT	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
1	3.0 x 4.0	12.0		
2	1.5 x 1.5	2.3		
3	2.5 x 5.5	13.8		
4	2.0 x 2.0	4.0		
5	1.5 x 2.0	3.0		
6	2.0 x 2.0	4.0		
7	2.5 x 4.5	11.3		
8	3.5 x 2.0	7.0		
9	2.5 x 4.0	10.0		
10	3.0 x 3.0	9.0		
11	2.0 x 2.0	4.0		
12	2.0 x 6.5	13.0		
13	2.5 x 2.5	6.3		
14	2.5 x 2.5	6.3		
15	2.0 x 2.0	4.0		
16	1.5 x 3.0	4.5		
17	1.5 x 3.5	5.3		
18	1.5 x 3.5	5.3		
19	1.5 x 3.5	5.3		

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SO FT	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
20	1.5 x 3.5	5.3		
21	2.5 x 6.5	16.3		
22	2.0 x 2.0	4.0		
23	2.0 x 3.0	6.0		
24	2.5 x 8.0	20.0		
25	2.0 x 4.5			9.0
26	1.0 x 1.0	1.0		
27	2.0 x 3.0	6.0		
28	1.5 x 2.0	3.0		
29	2.0 x 2.0	4.0		
30	2.0 x 2.5		5.0	
31	1.0 x 1.0	1.0		
32	1.5 x 5.0			7.5
33	1.0 x 1.0	1.0		
34	1.5 x 1.5	2.3		
35	2.0 x 2.0	4.0		
36	2.0 x 2.0	4.0		
37	2.0 x 5.5	11.0		
38	6.5 x 3.5	22.8		

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SO FT	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
39	2.0 x 6.0			12.0
40	3.0 x 2.0	6.0		
41	2.0 x 6.0			12.0
42	2.0 x 6.0			12.0
43	9.0 x 11.0	99.0		
44	5.0 x 7.0	35.0		
45	2.5 x 8.0	20.0		
46	2.0 x 2.0	4.0		
47	2.0 x 7.0	14.0		
48	2.0 x 3.0	6.0		
49	2.0 x 2.0	4.0		
50	1.5 x 1.5	2.3		
51	1.0 x 3.0	3.0		
52	1.5 x 4.0	6.0		
53	2.0 x 2.0	4.0		
54	9.0 x 2.0	18.0		
55	1.5 x 1.5	2.3		
56	1.5 x 1.5	2.3		
57	1.5 x 1.5	2.3		

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SO FT	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
58	1.5 x 1.5	2.3		
59	2.5 x 4.5	11.3		
60	18.0 x 9.0	162.0		
61	1.0 x 4.0	4.0		
62	3.0 x 6.5	19.5		
63	2.5 x 2.5	6.3		
64	2.0 x 2.0	4.0		
65	1.0 x 2.5	2.5		
66	1.5 x 3.0	4.5		
67	3.0 x 3.0	9.0		
68	1.5 x 1.5	2.3		
69	1.0 x 2.0	2.0		
70	1.0 x 3.0	3.0		
71	3.0 x 3.0	9.0		
72	10.0 x 4.0	40.0		
73	22.0 x 10.0	220.0		
74	2.0 x 2.0	4.0		
75	7.0 x 5.0	35.0		
76	2.0 x 2.0	4.0		

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SO FT	DECK SLAB REPAIR (FD TY 1)	DECK SLAB REPAIR (FD TY 2)
77	2.0 x 2.0	4.0		
78	2.0 x 2.0	4.0		
79	2.0 x 2.5	5.0		
80	1.0 x 1.0	1.0		
81	1.0 x 2.0	2.0		
82	1.5 x 1.5	2.3		
83	3.0 x 4.0	12.0		
84	1.5 x 2.0	3.0		
85	3.0 x 4.0	12.0		
TOTAL		1060	5	53
PARTIAL DEPTH				
1060 / 9 =		117.8		
USE		118SQ YD		
FULL DEPTH, TYPE 1				
5 / 9 =		0.6		
USE		1SQ YD		
FULL DEPTH, TYPE 2				
53 / 9 =		5.8		
USE		65Q YD		

THE SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.

PATCHING LEGEND

- PARTIAL DEPTH
- FULL DEPTH

DATE OF SURVEY: 01/21/05
 SURVEY BY: M. ALLEN, A. RING
 D. MACKLIN, S. DZAKUMA
 METHOD OF SURVEY: CHAIN DRAG

BRIDGE DECK PATCHING
 JEFFERSON COUNTY
 TR-206 OVER FAI ROUTE 64
 3.7 MILES EAST OF
 WOODLAWN INTERCHANGE
 SN 041-0080

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		JEFFERSON	48	45
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
4 SHEETS

Contract No. 94905

NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

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 bid for the work.

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

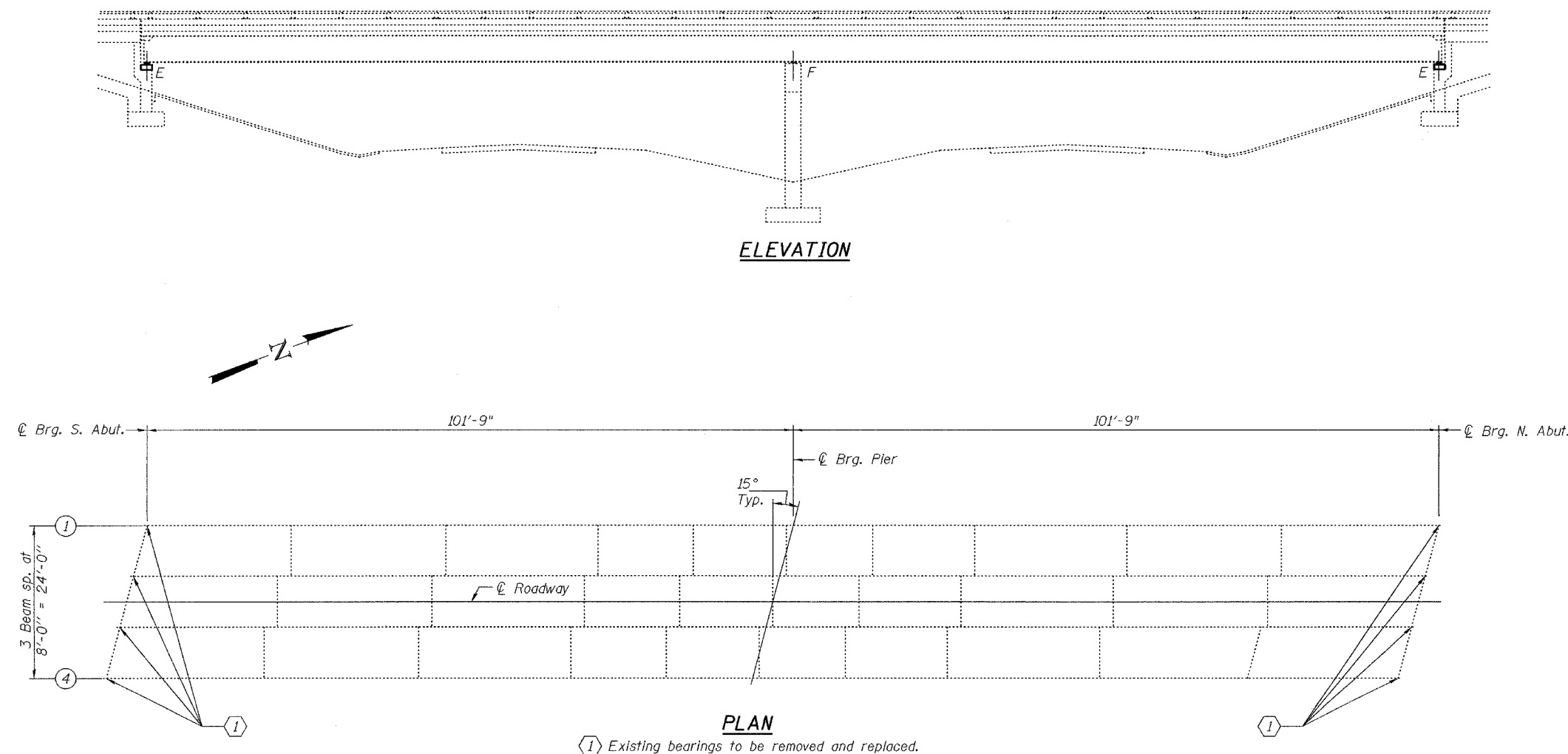
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

Cost of removal and/or re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included in the cost of Furnishing and Erecting Structural Steel.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two $\frac{1}{8}$ " adjusting shims shall be provided for each bearing and placed as detailed.

If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.



① Existing bearings to be removed and replaced.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	1.5
Furnishing and Erecting Structural Steel	Pound	310
Reinforcement Bars, Epoxy Coated	Pound	400
Elastomeric Bearing Assembly, Type I	Each	8
Jacking and Cribbing	LS	0.3

DESIGNED	Adrian T. Holloway
CHECKED	Victor H. Veliz
DRAWN	baliva
CHECKED	VHV ATH

APRIL 14, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Adams*
ENGINEER OF BRIDGES AND STRUCTURES



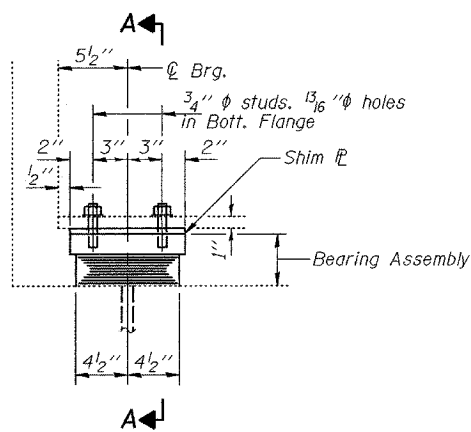
EXPIRES 11-30-2006

PLAN AND ELEVATION
TR 206 OVER FAJ 64
JEFFERSON COUNTY
SN 041-0080

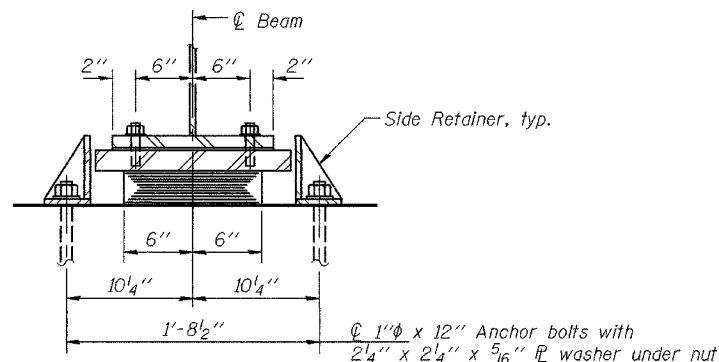
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. 2
		JEFFERSON	40	40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		4 SHEETS

Contract No. 94905

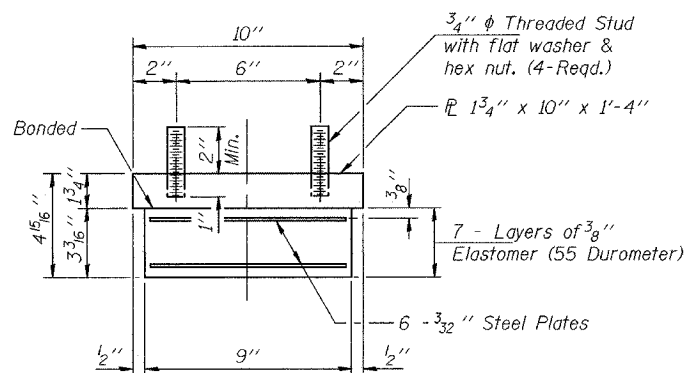


ELEVATION AT ABUT.



SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



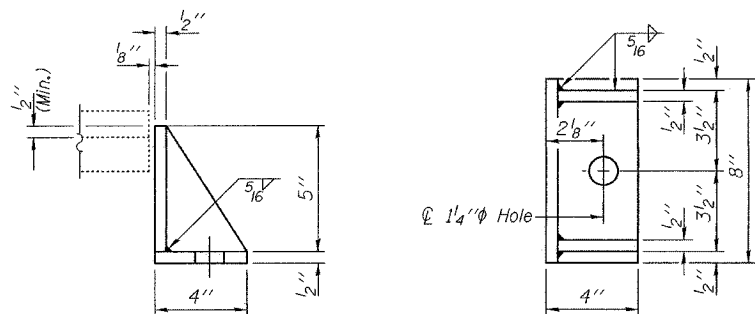
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

BEAM REACTIONS

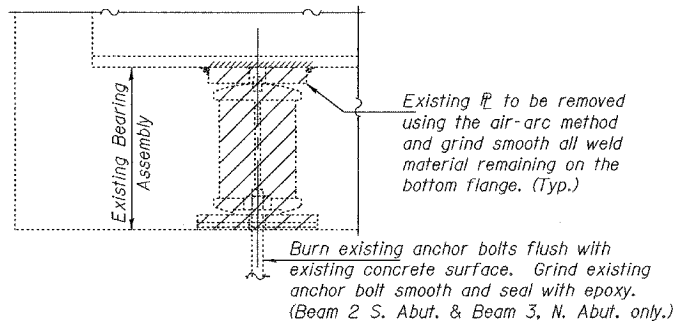
		Abutments
R _P	(K)	49.1
R _L	(K)	34.9
Imp.	(K)	7.8
R (Total)	(K)	91.8

Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New side retainers, shim plates, connection bolts, and anchor bolts are included with Furnishing and Erecting Structural Steel.
See Sheet 3 of 4 for Anchor Bolt installation.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. jack capacity = 55 Tons.



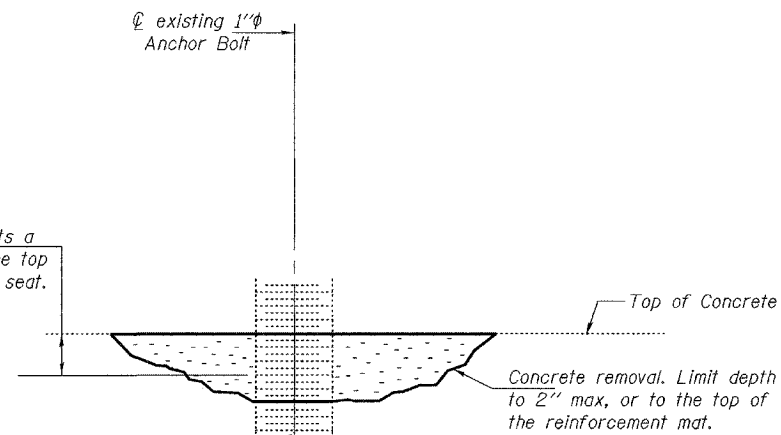
SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jacking and Cribbing.



ANCHOR BOLT REMOVAL DETAIL

Typical except as noted.
Cost included with Jacking and Cribbing.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Jacking and Cribbing	LS	1
Furnishing and Erecting Structural Steel	Pound	310

DESIGNED	ATH
CHECKED	VHV
DRAWN	baiva
CHECKED	ATH VHV

APRIL 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

REPAIR DETAILS
TR 206 OVER FAI 64
JEFFERSON COUNTY
SN 041-0080

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LIST SHEETS	SHEET NO.
		JEFFERSON	48	47
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 94905

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Furnishing and Erecting Structural Steel.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

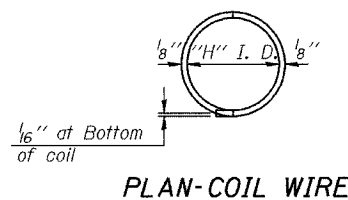
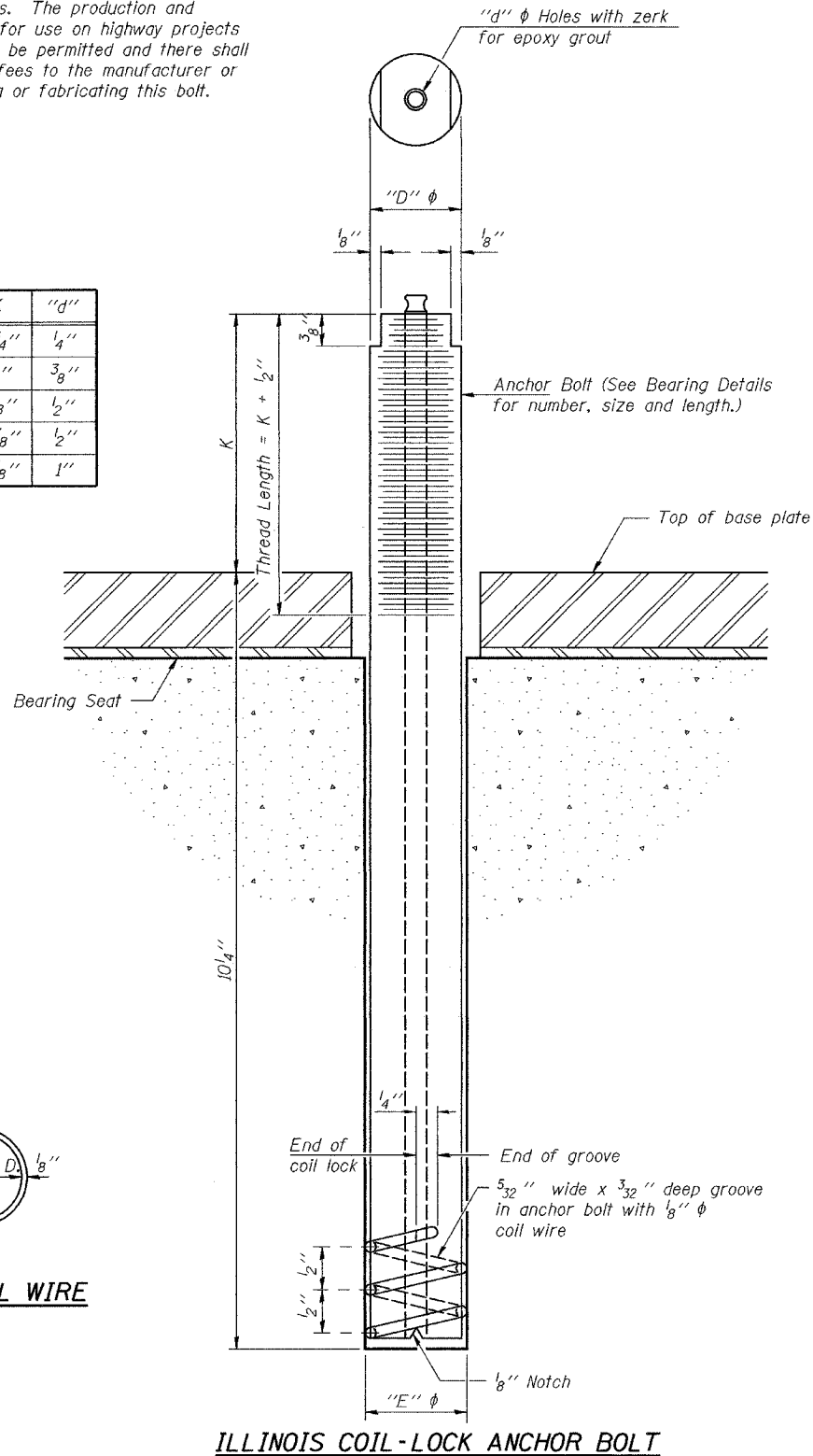
The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

- The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:
1. A threaded rod stud with nut and washer of the type specified.
 2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
All	A 307

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

D	E	H	K	"d"
1"	1 1/8"	1 3/16"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/16"	2"	3/8"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 13/16"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



DESIGNED	ATH
CHECKED	VHV
DRAWN	ballva
CHECKED	ATH VHV

APRIL 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

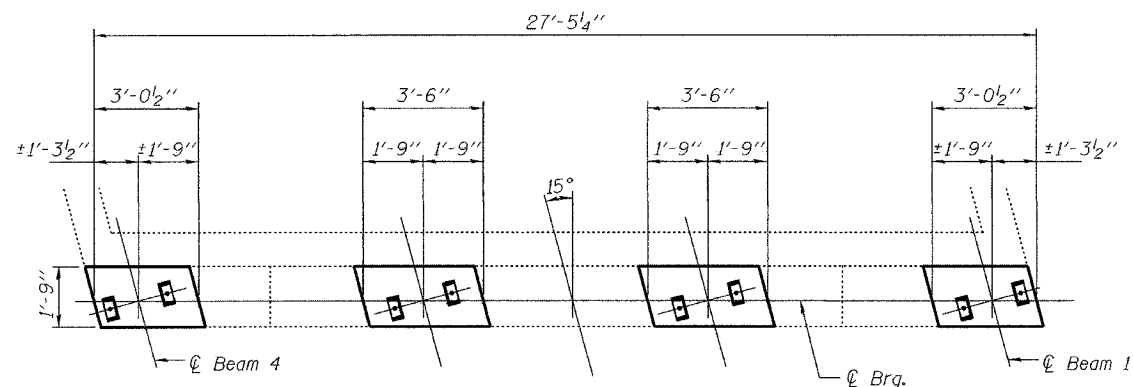
ABB-1 10-22-04

ANCHOR BOLT DETAILS
TR 206 OVER FAI 64
JEFFERSON COUNTY
SN 041-0080

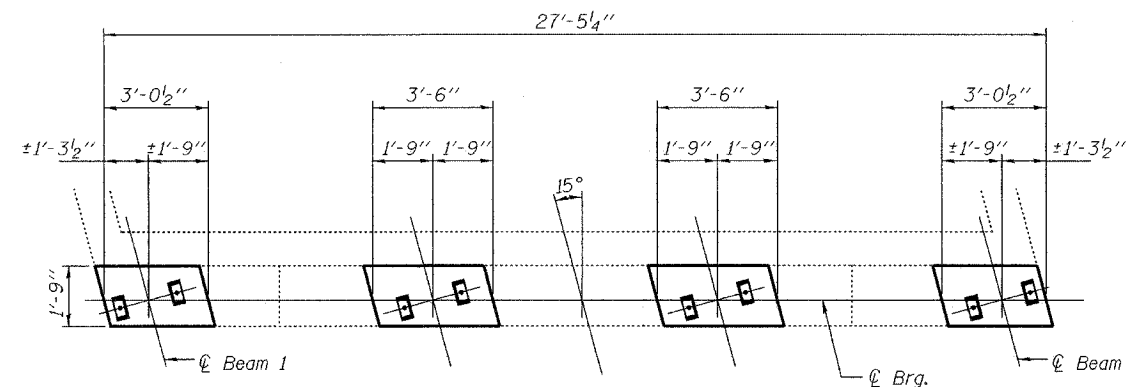
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 4
		JEFFERSON	48	48	4 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

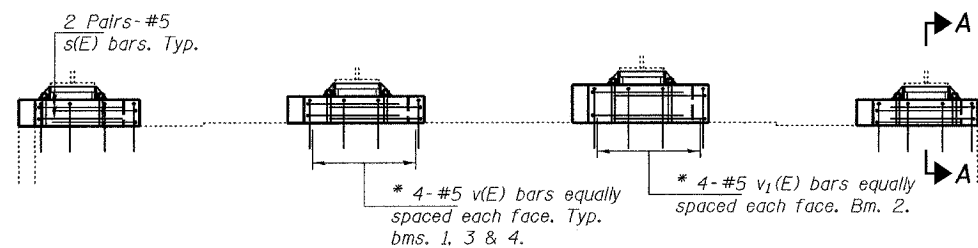
Contract No. 94905



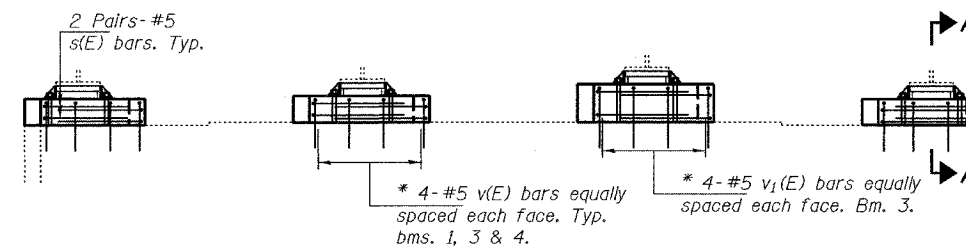
SOUTH ABUTMENT PLAN
South abutment, looking South



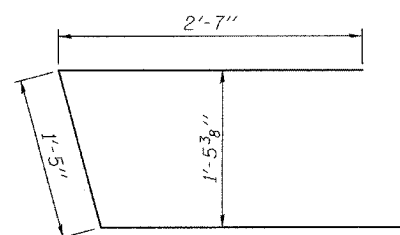
NORTH ABUTMENT PLAN
North abutment, looking North



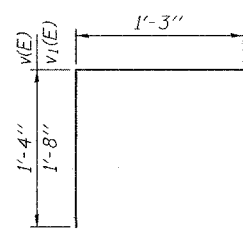
SOUTH ABUTMENT ELEVATION



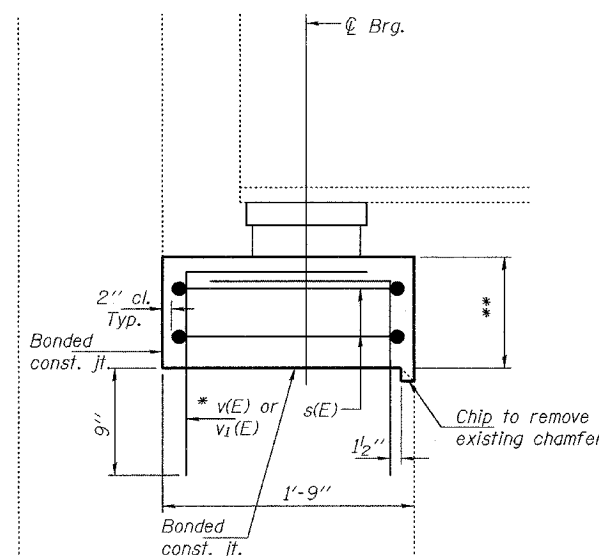
NORTH ABUTMENT ELEVATION



BAR s(E)



BARS v(E) & v1(E)



SECTION A-A

** 9⁵/₁₆" ∅ Beams 1, 3 & 4, S. Abut. & Beams 1, 2, & 4, N. Abut.
13⁵/₁₆" ∅ Beam 2, S. Abut. & Beam 3, N. Abut.

* Epoxy grout v(E) & v1(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

**TWO ABUTMENTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
s(E)	32	#5	6'-7"	┌
v(E)	48	#5	2'-7"	┌
v1(E)	16	#5	2'-11"	┌
Concrete Structures			Cu. Yd.	1.5
Reinforcement Bars, Epoxy Coated			Lbs.	400

Reinforcement bars designated (E) shall be epoxy coated.

**REPAIR DETAILS
TR 206 OVER FAI 64
JEFFERSON COUNTY
SN 041-0080**

DESIGNED	ATH
CHECKED	VHV
DRAWN	ballva
CHECKED	ATH VHV

APRIL 13, 2005
EXAMINED *John A. Morris*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES