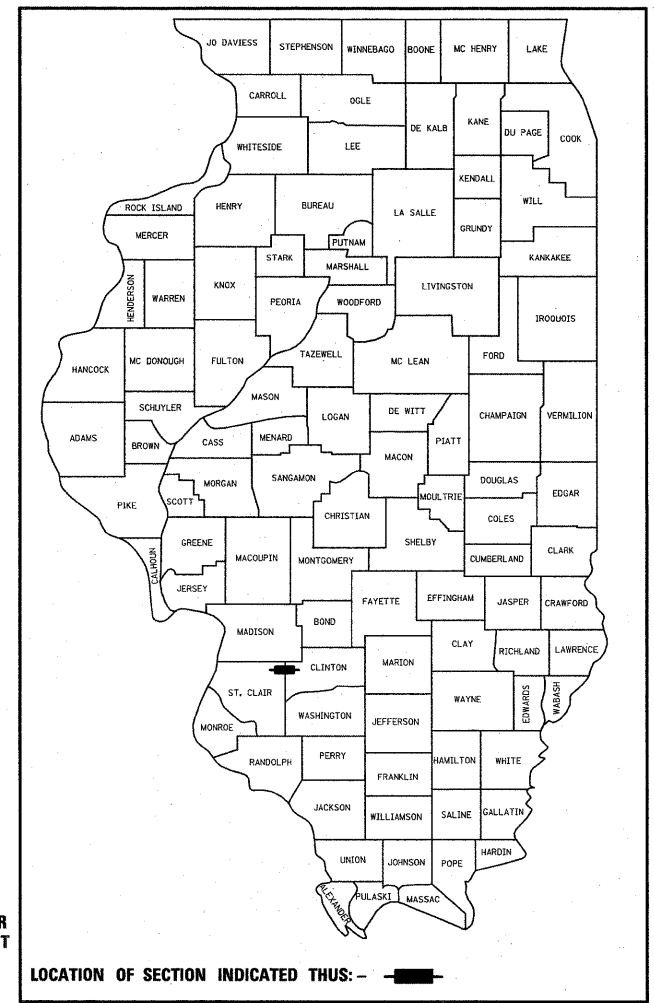


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	1
FED. ROAD DIST. NO. 8		ILLINOIS	CONTRACT NO. 76B27	

* 72+6 = 78

D-98-102-07



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 327 (US 50)
SECTION 14-12BR-1

CLINTON COUNTY
MICROSILICA OVERLAY AND DECK REPAIRS FOR
SN 014-0065 AND DECK SEALING AND DECK
REPAIRS FOR SN 014-0049

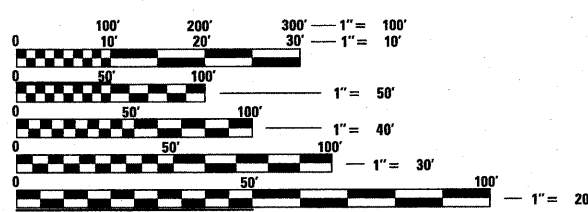
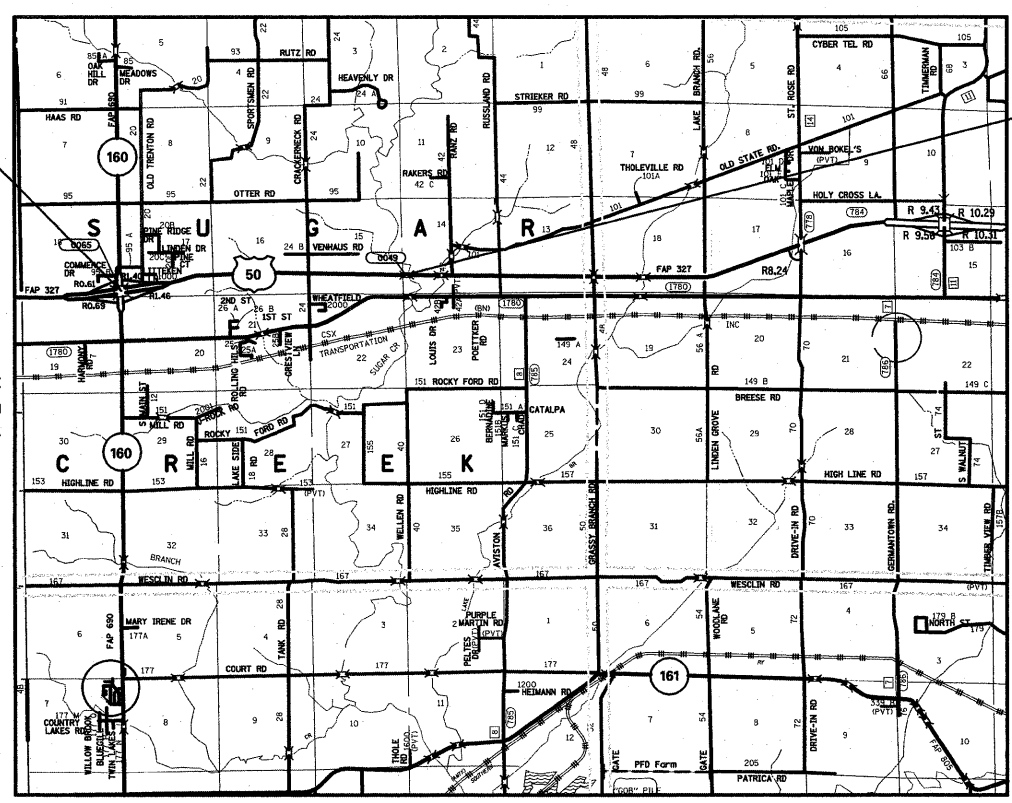
C-98-107-07

R 5 W

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LOCATION 1: SN 014-0065
REINFORCED CONCRETE DECK ON
CONTINUOUS WELDED STEEL PLATE
GIRDERS, 2 SPANS @ 91'-9" ON
CONCRETE PIERS AND CONCRETE
VAULTED ABUTMENTS ON STEEL
PILES. 2-23'-9" ROADWAYS AND 18'-0"
MEDIAN. FAP 690 OVER FAP 327 @
STATION 2605+06.34; SKEW 9°18'00"

LOCATION 2: SN 014-0049
9 SPAN PRESTRESSED CONCRETE
BEAM STRUCTURE CARRYING FAP 327 OVER
SUGAR CREEK ON RC PIERS AND PILE BENT
ABUTMENTS. SPANS - 2 @ 64'-3",
7 @ 65'-1"; AT STATION 2769+75.00



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: ART MUEHLFELD (618) 346-3209

CONTRACT NO. 76B27

LOCATION 1
GROSS LENGTH = 185.28 FT. = .04 MILE
NET LENGTH = 185.28 FT. = .04 MILE

LOCATION 2
GROSS LENGTH = 584.08 FT. = .11 MILE
NET LENGTH = 584.03 FT. = .11 MILE

ADT - LOCATION 1
2009 = 5185 (ESTIMATED)
2029 = 6555 (ESTIMATED)
SU = 3.0% MU = 2.5%

ADT - LOCATION 2
2009 = 7740 (ESTIMATED)
2029 = 9430 (ESTIMATED)
SU = 3.4% MU = 9.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 9 2009
My C. Ramis
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

January 29, 2010
Scott E. Stolt, P.E.
Acting ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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- 2 INDEX OF SHEETS/HIGHWAY STAND./GEN. NOTES/MIX CHART/COMMITMENTS
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- 5-6 TYPICAL SECTIONS - LOCATION 1 AND 2
- 7 SCHEDULES - LOCATION 1 AND 2
- 8-10 PLAN SHEETS - LOCATION 1
- 11-17 SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL -LOCATION 1
- 18 DETAILS
- 19-20 PAVEMENT MARKING SHEETS - LOCATION 1
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- 38-44 SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL - LOCATION 2
- 45-61 STRUCTURE PLANS - LOCATION 2
- 62-66 EXISTING STRUCTURE PLANS - LOCATION 1
- 67-72 EXISTING STRUCTURE PLANS - LOCATION 2

HIGHWAY STANDARDS

000001-05	542401-01	635006-03	701326-03
001001-02	303001-04	635011-02	701411-06
001006	606301-04	642001-01	701421-02
421001-02	630001-08	701006-03	701901-01
442001-04	631031-08		720011-01
542106-02	635001-01	701316-04	780001-02
542301-02		701321-10	781001-03

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS STATED IN THE PLANS SHALL APPLY TO THIS CONTRACT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND THE ORDERING OF MATERIALS.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL 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:
 - AMERENIP •VILLAGE OF AVISTON •CLINTON COUNTY ELECTRIC COOPERATIVE •CHARTER COMMUNICATIONS, INC.
 - AT&T ILLINOIS •CITY OF TRENTON •TRI-TOWNSHIP WATER DISTRICT
- MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY AN *. NON- J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING, FERTILIZING, AND MULCHING ANY AREAS DISTURBED BY CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT. THE SEEDING SHALL BE CLASS 1 AND THE APPLICATION OF THE SEEDING, FERTILIZER AND MULCH SHALL BE TO THE SATISFACTION OF THE ENGINEER. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THIS WORK.
5. IF THE CONTRACTOR REMOVES TREES WITHIN THE PROJECT RIGHT-OF-WAY LIMITS FOR HIS CONSTRUCTION ACTIVITY, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE, IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE AND NO OTHER COMPENSATION WILL BE ALLOWED.
6. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND ENDING OF THE PROJECT AND AT ANY SIDEROADS WITHIN THE PROJECT LIMITS. THIS WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
7. NO TRENCHES OR OPEN PITS WILL BE PERMITTED ADJACENT TO A TRAFFIC LANE DURING NONE WORKING HOURS. ALL WIDENING TRENCHES SHALL BE BACK FILLED DURING THE SAME WORKING DAY IT WAS EXCAVATED.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ADJACENT PAVEMENT IS NOT DAMAGED DURING ANY OPERATION.
9. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKING.
10. EXCAVATIONS ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE FLASHING OR STEADY BURNING LIGHTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS A NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO THE IRREGULARITY IN THE BASE ON WHICH THE MIXTURE IS PLACED.
12. THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "WHITE". THIS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER AND NO OTHER COMPENSATION SHALL BE ALLOWED.
13. AN AMOUNT OF TEMPORARY PAVEMENT MARKING EQUIVALENT TO THE AMOUNT OF PERMANENT PAVEMENT MARKINGS HAS BEEN INCLUDED IN THE PLANS.

COMMITMENTS

NONE

EROSION CONTROL PLAN

ANY AREAS DISTURBED DUE TO THE CONSTRUCTION ACTIVITIES SHALL BE SEEDED (TEMPORARY AND PERMANENT).

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCERS STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED ON A WEEKLY BASIS ON EXPOSED GROUND AND SHALL BE IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE WITH CLASS 2 SEEDING.

THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE UNIT BID COST OF THE CONTRACT.

MIXTURE REQUIREMENT CHART

MIXTURE USE	SURFACE	BINDER/WIDENING
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION		
(GRADATION MIXTURE)		IL 19.0
FRICTION AGG	MIXTURE "D"	MIXTURE "B"

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS, STANDARDS, ETC.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 5/8"=1'-0"	CHECKED -	REVISED -	CONTRACT NO. 76B27							
PLOT DATE = 12/8/2009	DATE -	REVISED -	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		LOCATION 1 SFTY-2A	LOCATION 2 SFTY-2A	CODE NO	ITEM	UNIT		LOCATION 1 SFTY-2A	LOCATION 2 SFTY-2A
20200100	EARTH EXCAVATION	CU YD	545	545		52100520	ANCHOR BOLTS, 1"	EACH	36	36	
20800150	TRENCH BACKFILL	CU YD	46	46		54213477	END SECTIONS 42"	EACH	2	2	
28100105	STONE RIPRAP, CLASS A3	SQ YD	50	50		542A2767	PIPE CULVERTS, CLASS A, TYPE 4 42"	FOOT	110	110	
28200200	FILTER FABRIC	SQ YD	50	50		58700300	CONCRETE SEALER	SQ FT	3045	3045	
35300310	PORTLAND CEMENT CONCRETE BASE COURSE 8 1/2"	SQ YD	907	907		60621700	CONCRETE MEDIAN, TYPE SM (DOWELLED)	SQ FT	5256	5256	
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	2733	2110	623	*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1150	450	700
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	17	17		*63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	2	4
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	428	428		*63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	6	2	4
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	48	48		63200310	GUARDRAIL REMOVAL	FOOT	1658	626	1032
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1136	1136		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3	3
44002010	CONCRETE MEDIAN REMOVAL	FOOT	413	413		67100100	MOBILIZATION	L SUM	1	0.5	0.5
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	5976	5976		70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
44004250	PAVED SHOULDER REMOVAL	SQ YD	2687	2110	577	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1
44200505	CLASS A PATCHES, TYPE II, 6 INCH	SQ YD	22	22		70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1	
44213000	PATCHING REINFORCEMENT	SQ YD	22	22							
44213200	SAW CUTS	FOOT	136	136							
48101200	AGGREGATE SHOULDERS, TYPE B	TON	40		40						
50102400	CONCRETE REMOVAL	CU YD	109.3	27.8	81.5	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	.5	.5
50104000	BRIDGE RAIL REMOVAL	FOOT	1172		1172	70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	110	110		70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
50157300	PROTECTIVE SHIELD	SQ YD	1374	1374		70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	110.5	27.5	83	70106700	TEMPORARY RUMBLE STRIP	EACH	12		12
50300260	BRIDGE DECK GROOVING	SQ YD	900	900		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	234	120	114
50300300	PROTECTIVE COAT	SQ YD	1877	1877		70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	93.6	93.6	
50300530	FLOOR DRAIN EXTENSION	EACH	70	4	66	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7698	5155	2543
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	8340	8340		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24	
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	18	18		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	78	40	38
50501110	STRUCTURAL STEEL REMOVAL	POUND	4770	4770		70400100	TEMPORARY CONCRETE BARRIER	FOOT	925		925
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	17675	3855	13820	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	850		850
50800515	BAR SPLICERS	EACH	174	40	134	*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1116		1116
51500200	RELOCATING NAME PLATES	EACH	1		1	*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	6582	5155	1427
52000110	PREFORMED JOINT STRIP SEAL	FOOT	298	138	160						
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	18	18							

* SPECIALTY ITEM Rev

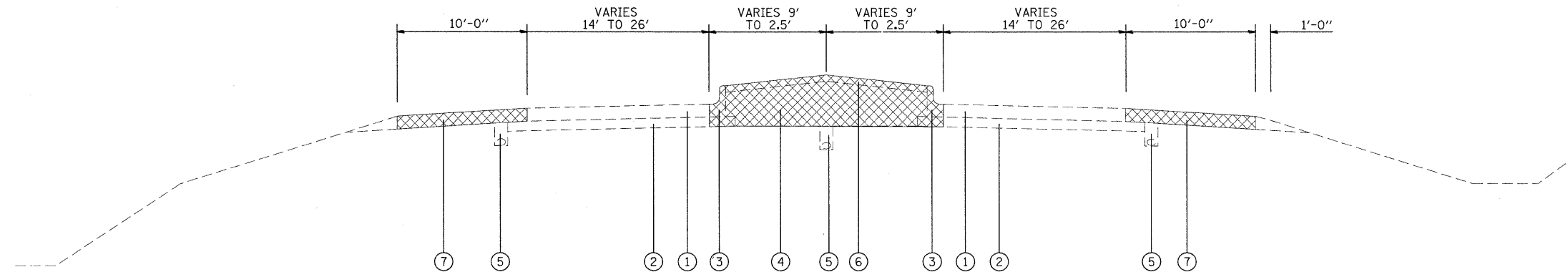
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PLOT DATE = 12/8/2009		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		LOCATION 1 SFTY-2A	LOCATION 2 SFTY-2A	CODE NO	ITEM	UNIT		LOCATION 1 SFTY-2A	LOCATION 2 SFTY-2A
*78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	24	24							
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6		6						
*78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	8		8						
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	10	6	4						
*78200500	BARRIER WALL MARKERS	EACH	14	4	10						
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	2	2						
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2510	1662	848						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	14		14						
X0320887	POLYMER CONCRETE	CU FT	4	4							
X0321468	PLUG EXISTING DECK DRAINS	EACH	118	4	114						
X0322194	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQ FT	29.8		29.8						
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	913.1	721	192.1						
XZ193500	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	1096	1096							
Z0006202	BRIDGE DECK HYDRO-SCARIFICATION 3/4"	SQ YD	1096	1096							
Z0010400	CLEANING BRIDGE SEATS	SQ FT	748	236	512						
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	49.3	49.3							
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2						
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2						
Z0053750	RETROFIT CONCRETE PARAPET	FOOT	1106		1106						
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	93.6	93.6							
78200300	PRISMATIC CURB REFLECTOR	EACH	82	82							

* SPECIALTY ITEM

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 12/10/2009		DATE -	REVISED -			SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID. PROJECT	



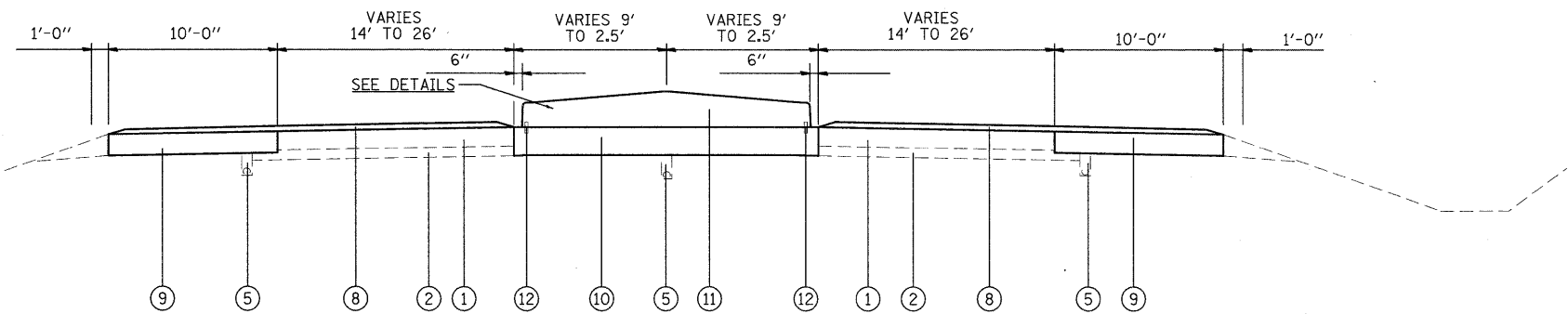
EXISTING TYPICAL SECTION

LEGEND

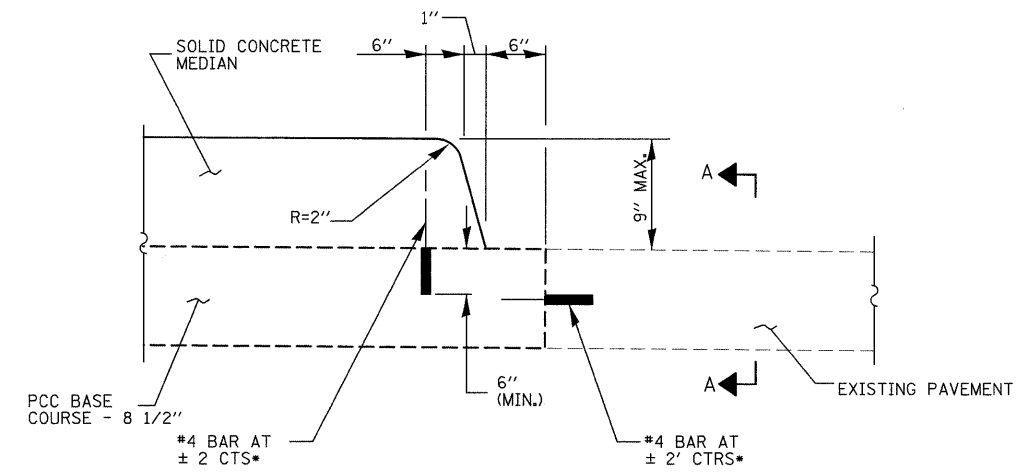
- ① EXISTING PCC PAVEMENT - 10"
- ② EXISTING SUBBASE GRANULAR MATERIAL, TYPE A - 6"
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
- ④ EXISTING SAND FILL
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING CONCRETE MEDIAN SURFACE 4"/SOLID MEDIAN*
- ⑦ EXISTING FULL DEPTH BITUMINOUS SHOULDERS
- ⑧ PROPOSED HMA SURFACE COURSE, MIX"D", N70 - 2"
- ⑨ PROPOSED HMA BASE COURSE - 10 1/2"
- ⑩ PROPOSED PCC BASE COURSE - 8 1/2"
- ⑪ PROPOSED CONCRETE MEDIAN, TYPE SM (DOWELLED)
- ⑫ PROPOSED DOWELL BARS

REMOVAL

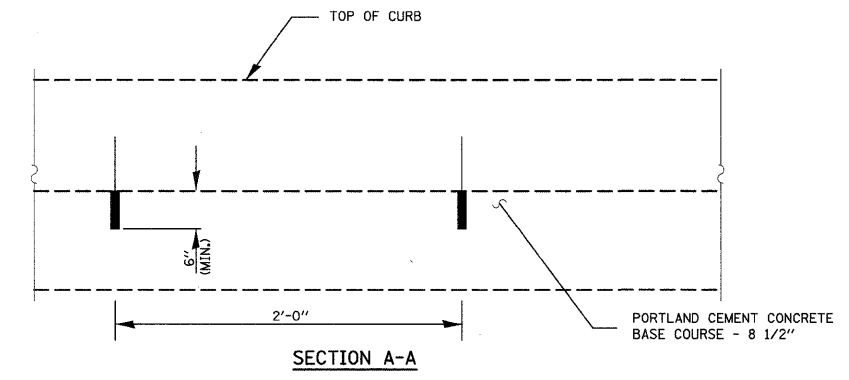
RESURFACING EXTENDS 40' EITHER END OF STRUCTURE



PROPOSE TYPICAL SECTION



CONCRETE MEDIAN, TYPE SM (DOWELLED) DETAIL



SECTION A-A

NOTES:

THE COST OF DOWELL BARS IN THE CONCRETE MEDIAN SHALL BE CONSIDERED AS INCLUDED IN THE COST OF "CONCRETE MEDIAN, TYPE SM (DOWELLED)".

* EPOXY GROUT #4 BARS IN 6" (MINIMUM) DRILLED HOLES ACCORDING TO SECTION 584 OF STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
c:\pwork\pwork\manntm\dms2470\p1n10207b.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

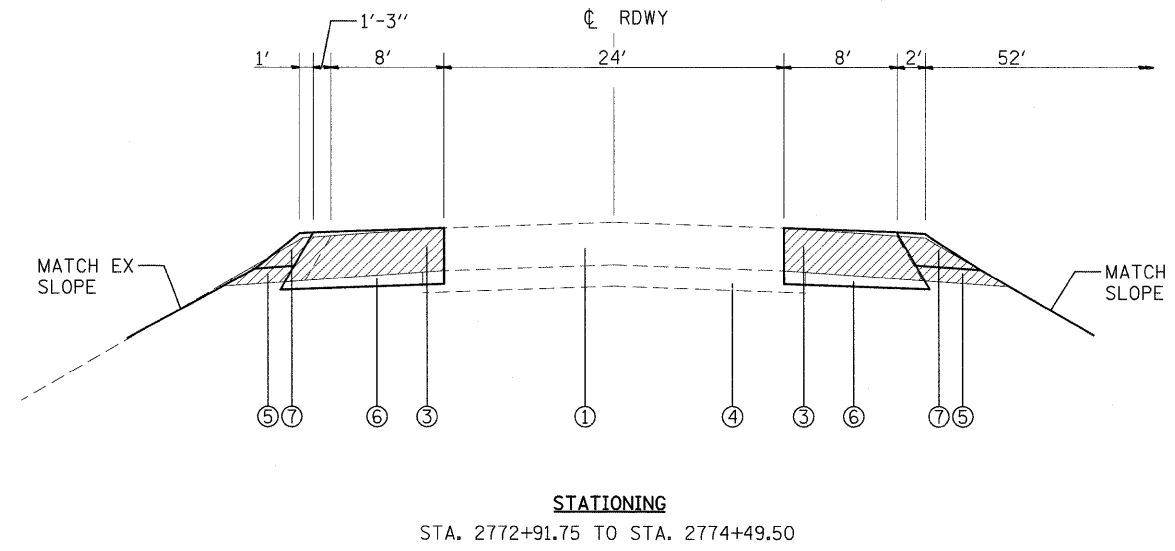
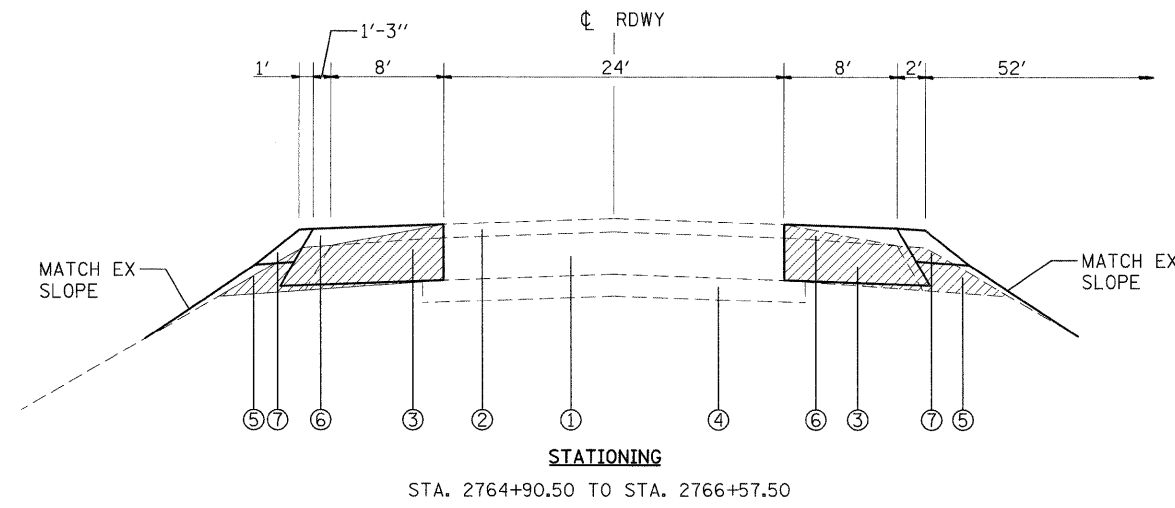
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LOCATION 1

SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	5
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS-LOCATION 2



LEGEND

- ① EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT - 8"
- ② EXISTING HMA RESURFACING - 3"
- ③ EXISTING HMA SHOULDER - 8"
- ④ EXISTING STABILIZED SUB-BASE - 4"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA BASE COURSE WIDENING - 10 1/2"
- ⑦ PROPOSED AGGREGATE SHOULDER, TYPE B - 6"

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwidot\manntm\dms32470\p1n10207b.dgn		DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	6	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27					
PLOT DATE = 12/8/2009		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			

GUARDRAIL SCHEDULE LOCATION 1

STATIONING	LT/RT	SPBGR TY A (FEET)	TBT-TY1 SPECIAL (EACH)	TBT-TY6 (EACH)	GUARDRAIL MRKR-TYA (EACH)	TERMINAL MRKR. DIRECT APPLIED (EACH)	GUARDRAIL REMOVAL (FEET)
468+01.00 TO 469+00.00	RT	50.0		1	1		99.5
469+00.00 TO 471+13.00	RT	175.0	1		2	1	213.5
473+56.00 TO 475+00.00	LT	100.25		1	1		145.0
475+00.00 TO 476+68.00	LT	124.75	1		2	1	168.0
TOTAL		450.0	2	2	6	2	626.0

BARRIER WALL MRK. SCHEDULE LOC 1

STATIONING	LT/RT	EACH
471+12.25 TO 473+55.75	RT	2
471+12.25 TO 473+55.75	LT	2
TOTAL		4

PAVEMENT MARKING SCHEDULE LOCATION 1

STATIONING	POLYUREA PAVEMENT MARKING LINE-4" (FOOT)				POLYUREA PAVT. MRK. LINE-24" (FOOT)	POLYUREA PAVEMENT MARKING TY 1 LETTERS & SYMBOLS (SQ FT)	TEMPORARY PAVEMENT MARKING LINE-4" (FOOT)				TEMPORARY PAVT. MRK. LINE-24" (FOOT)	TEMPORARY PAVT. MARKING LETTERS & SYMBOLS (SQ FT)	SHORT TERM PAVEMENT MARKING (FT)	PAVEMENT MARKING REMOVAL (SQ FT)	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	PRISMATIC CURB REFLECTORS (EACH)
	SOLID WHITE		SOLID YELLOW		SOLID WHITE		SOLID WHITE		SOLID YELLOW		SOLID WHITE					
	LT	RT	LT	RT			LT	RT	LT	RT						
466+17.50 TO 469+00.00	475	283	250	250	12	46.8	475	283	250	250	12	46.8	28.2	307.9	9.4	22
469+00.00 TO 475+00.00	600	600	603.5	603.5			600	600	603.5	603.5			60.0	802.2	20.0	33
475+00.00 TO 478+18.00	318	536	318	318	12	46.8	318	536	318	318	12	46.8	31.8	551.9	10.6	27
TOTALS	5155				24	93.6	5155				24	93.6	120.0	1662.0	40.0	82

PAVING SCHEDULE - LOCATION 1

STATION	TO	STATION	MEDIAN REMOVAL (FOOT)	CONC. MED. SURFACE REMOVAL (SQ FT)	PAVED SHOULDER REMOVAL (SQ YD)	EARTH EXCAVATION (CU YD)	HMA BASE CSE-10 1/2" (SQ YD)	PCC BASE CSE-8 1/2" (SQ YD)	CONC. MEDIAN TYPE SM (DOWELLED) (SQ FT)	HMA SURFACE CSE., MIX "D" N70 (TON)	PCC SURFACE REMOVAL BUTT JOINT (SQ YD)
466+50.00	TO	468+45.00	194.8		484.8	26	484.8	121.3	872.7		
468+45.00	TO	471+12.80		3045.8	595.4	33	595.4	338.5	823.0	24.0	214.0
473+55.50	TO	476+00.00		2930.2	543.8	22	543.8	325.7	2685.5	24.0	214.0
476+00.00	TO	478+18.20	218.2		486.0	39	486.0	121.5	874.8		
TOTALS			413.0	5976.0	2110.0	120	2110.0	907.0	5256.0	48.0	428.0

PAVEMENT PATCHING - LOCATION 1 (ENTRANCE AT STA. 484+20)

LT/RT	CLASS A PATCHING TYPE II - 6" (SQ YD)	PATCHING REINFORCEMENT (SQ YD)	SAW CUTS (FOOT)	
			FULL DEPTH	PART. DEPTH
LT	11	11	58.0	13
RT	11	11	51.5	13
TOTAL	22	22	135.5	

PAVEMENT MARKING SCHEDULE LOCATION 2

STATIONING	THERMOPLASTIC PAVEMENT MARKING LINE-4" (FOOT)		POLYUREA PAVEMENT MARKING LINE-4" (FOOT)		TEMPORARY PAVEMENT MARKING LINE-4" (FOOT)		SHORT TERM PAVEMENT MARKING (FT)	PAVEMENT MARKING REMOVAL (SQ FT)	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	RAISED REFLECTIVE PAVEMENT MARKERS (EACH)	RAISED REFLECTIVE PAVEMENT MKRS. (BRIDGE) (EACH)	RAISED REFLECTIVE PAVT. MRKR. REMOVAL (EACH)		
	SOLID WHITE		SKIP-DASH YELLOW		SOLID WHITE								SKIP-DASH YELLOW	
	LT	RT	LT	RT	LT	RT							LT	RT
2763+91.50 TO 2766+57.50	532	66.5			532	66.5	27	199.7	9	3		3		
2766+57.50 TO 2772+91.75			1268.5	158.5	1268.5	158.5	64	475.7	21.3		8	8		
2772+91.75 TO 2775+21.75	460	57.5			460	57.5	23	172.6	7.7	3		3		
TOTALS	1116		1427		2543		114	848.0	38	6	8	14		

GUARDRAIL SCHEDULE LOCATION 2

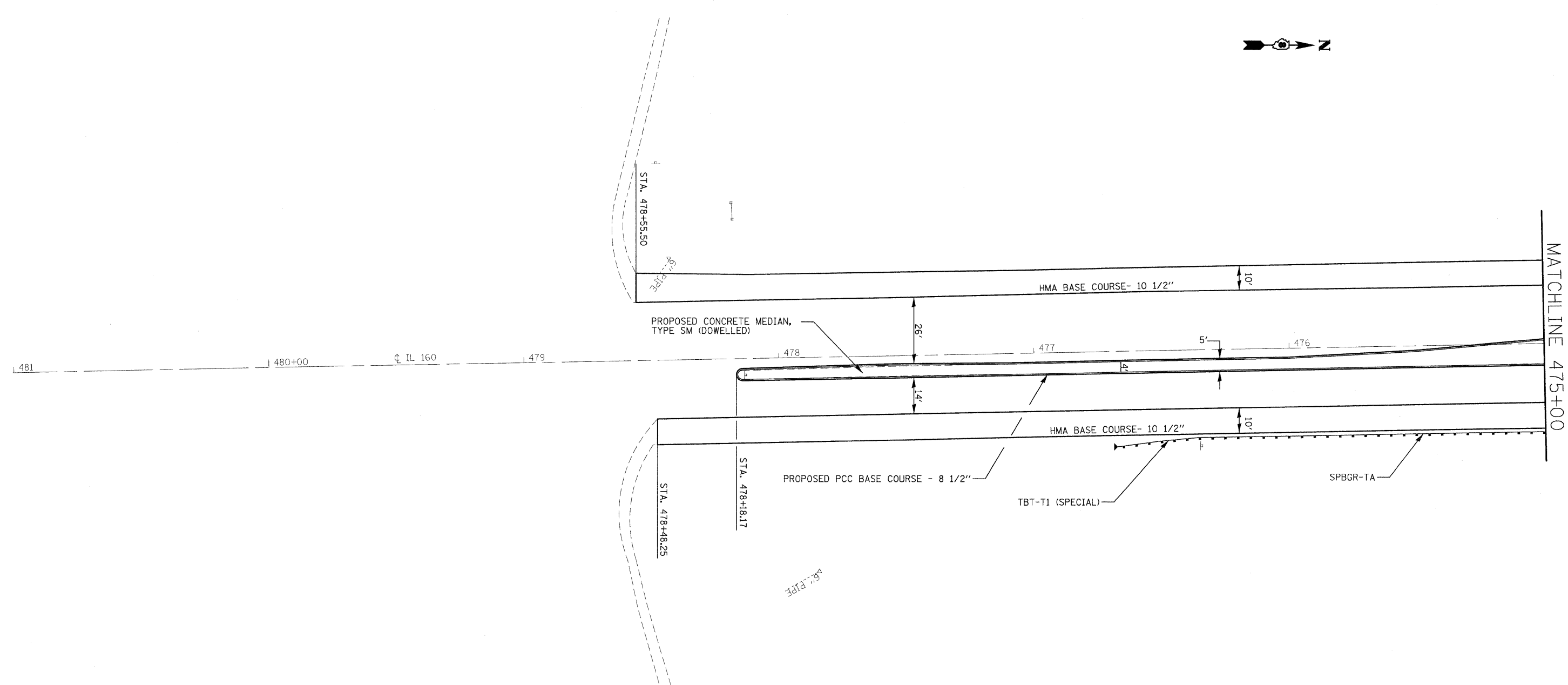
STATIONING	LT/RT	SPBGR TY A (FEET)	TBT-TY1 SPECIAL (EACH)	TBT-TY6 (EACH)	GUARDRAIL MRKR-TYA (EACH)	TERMINAL MRKR. DIRECT APPLIED (EACH)	GUARDRAIL REMOVAL (FEET)
2763+34.75 TO 2766+66.00	RT	237.5	1	1	1	1	313
2764+74.75 TO 2766+66.00	LT	137.5	1	1	1	1	213
2772+75.50 TO 2774+94.25	RT	125	1	1	1	1	215
2772+66.66 TO 2775+69.25	LT	200	1	1	1	1	291
TOTAL		700.0	4	4	4	4	1032

BARRIER WALL MRK. SCHEDULE LOC 2

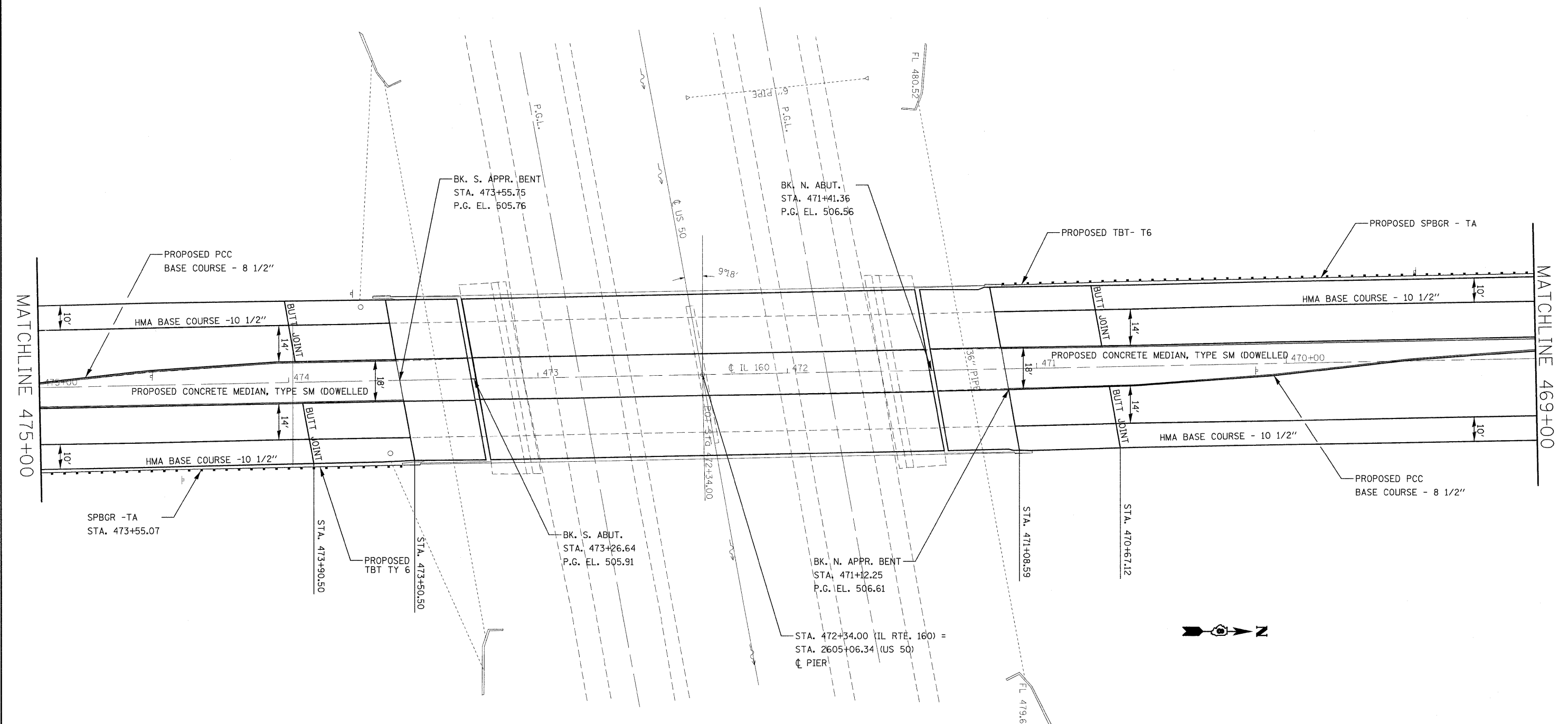
STATIONING	LT/RT	EACH
2766+79.00 TO 2772+65.00	RT	5
2766+79.00 TO 2772+65.00	LT	5
TOTAL		10

PAVING SCHEDULE - LOCATION 2

STATIONING	LT/RT	HMA BASE CSE-10 1/2" (SQ YD)	PAVED SHOULDER REMOVAL (SQ FT)	AGGREGATE SHOULDER TYPE B (TON)
2764+90.50 TO 2766+57.50	LT	171.5	148.4	6.5
2764+90.50 TO 2766+57.50	RT	148.5	148.4	13.0
2772+91.75 TO 2774+49.50	LT	162.5	140.1	6.2
2772+91.75 TO 2774+49.50	RT	140.5	140.1	12.3
TOTAL		623.0	577.0	40.0



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	PLOT DATE = 12/9/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



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 PLOT DATE = 12/8/2009

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 DATE -

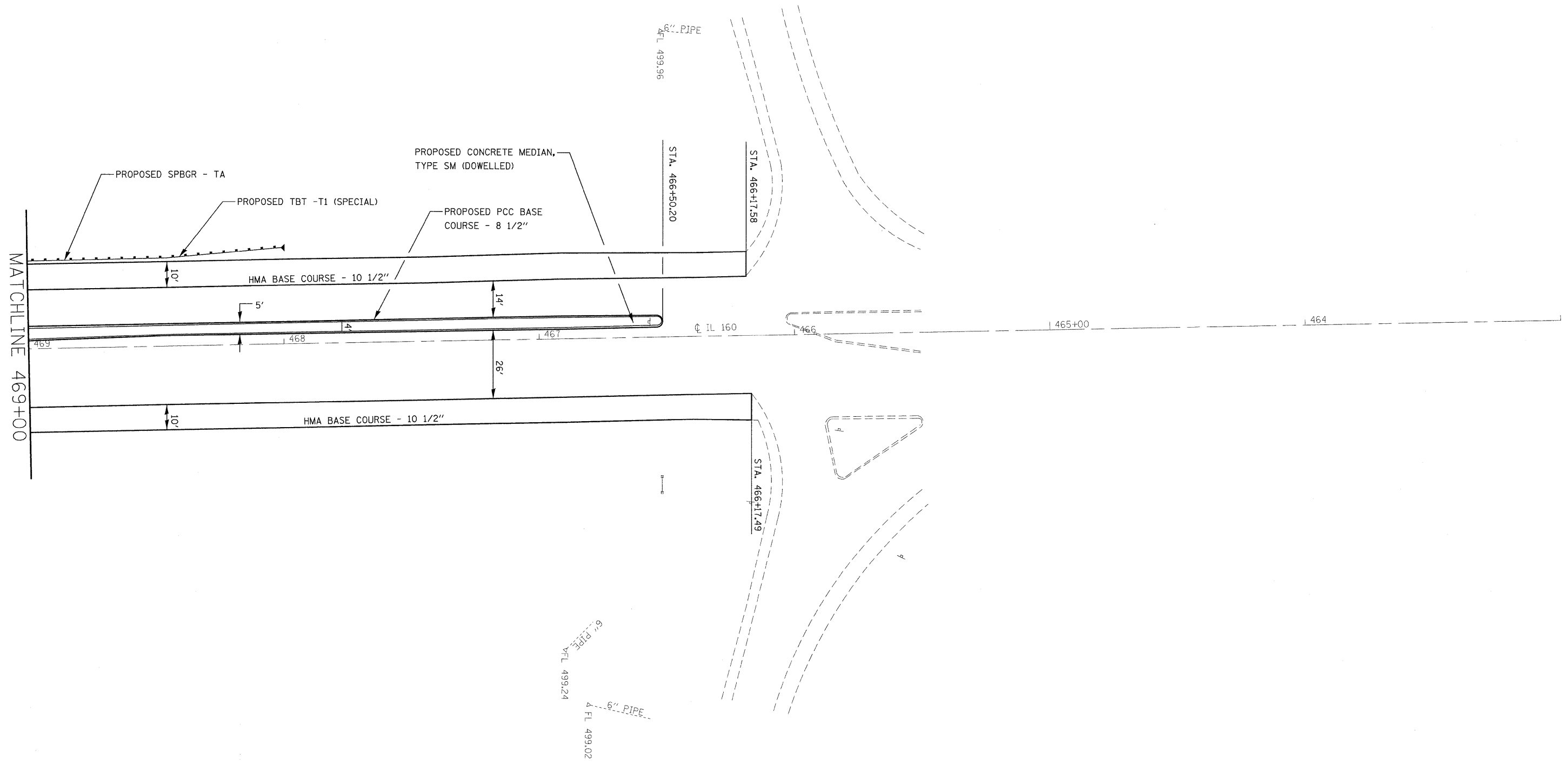
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - LOCATION 1

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 469+00 TO STA. 475+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	9
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. P ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 12/3/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET - LOCATION 1

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 463+00 TO STA. 469+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76B27				

PRESTAGE CONSTRUCTION -

1. PRESTAGE CONSTRUCTION SHALL CONSIST OF REMOVAL OF THE EXISTING HMA SHOULDERS AND EXISTING GUARDRAIL ON THE WEST SIDE OF THE PAVEMENT; CONSTRUCTION OF THE PROPOSED WIDENING FOR STAGE I TRAFFIC AS SHOWN IN THE PLANS; AND REMOVAL OF THE EXISTING CONCRETE MEDIAN ON EACH SIDE OF THE STRUCTURE AND REPLACING WITH PCC BASE COURSE - 8 1/2".
2. TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION STANDARD 701326 AND AS SHOWN IN THE TRAFFIC CONTROL PLANS.

STAGE I CONSTRUCTION -

1. STAGE I CONSTRUCTION SHALL CONSIST OF CLOSING THE NORTH BOUND LANE OF IL 160 AND SWITCHING BOTH LANES OF TRAFFIC TO THE SOUTHBOUND LANE; STAGE I BRIDGE REPAIRS; REMOVAL OF THE EXISTING HMA SHOULDERS AND EXISTING GUARDRAIL ON THE EAST SIDE OF THE PAVEMENT; AND CONSTRUCTION OF THE PROPOSED WIDENING ON THE EAST SIDE OF THE PAVEMENT FOR STAGE II TRAFFIC. THIS WORK WILL BE DONE TO THE LIMITS SHOWN IN THE STAGE I CONSTRUCTION PLANS.
2. TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 AND AS SHOWN IN THE TRAFFIC CONTROL PLANS.

STAGE II CONSTRUCTION -

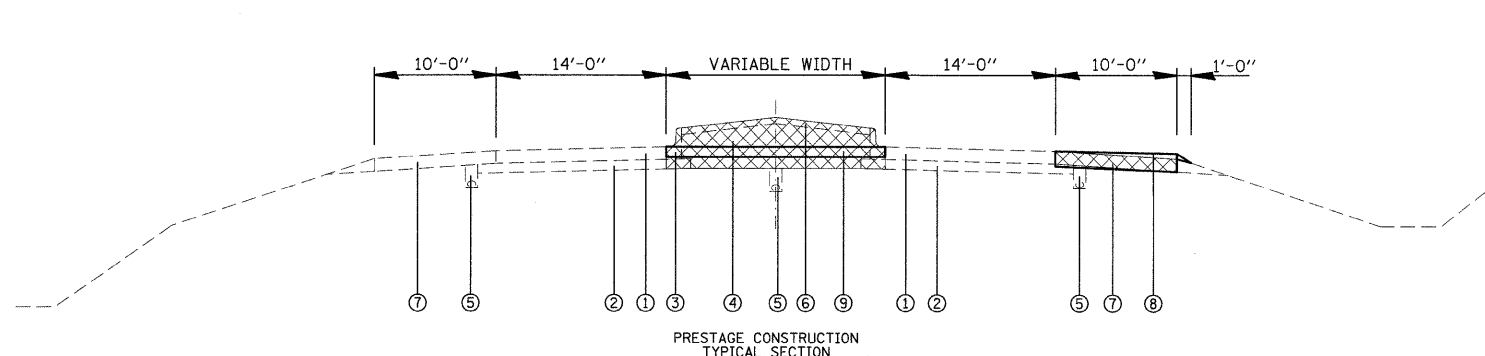
1. STAGE II CONSTRUCTION SHALL CONSIST OF CLOSING THE SOUTH BOUND LANE OF IL 160 AND SWITCHING BOTH LANES OF TRAFFIC TO THE NORTHBOUND LANE AND COMPLETING STAGE II BRIDGE REPAIRS. THIS WORK WILL BE DONE TO THE LIMITS SHOWN IN THE STAGE II CONSTRUCTION PLANS.
2. THE STAGE II BRIDGE REPAIRS WILL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION 701316 AND AS SHOWN IN THE TRAFFIC CONTROL PLANS.

STAGE III CONSTRUCTION -

1. STAGE III CONSTRUCTION SHALL CONSIST OF REPLACING THE MEDIAN REMOVED IN THE PRESTAGE CONSTRUCTION WITH EITHER SOLID CONCRETE MEDIAN (DOWELLED) OR CONCRETE MEDIAN SURFACE WITH MOUNTABLE CONCRETE CURB (DOWELLED) AND PLACING THE HMA SURFACE COURSE TO THE LIMITS AS SHOWN IN THE STAGE III CONSTRUCTION PLANS.
2. TRAFFIC CONTROL FOR THIS WORK SHALL BE ACCORDING TO THE PLANS AS SHOWN IN STAGE III.

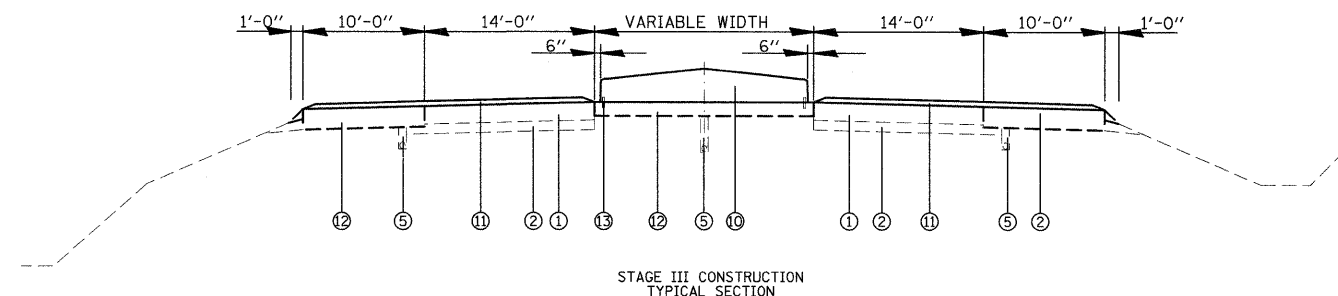
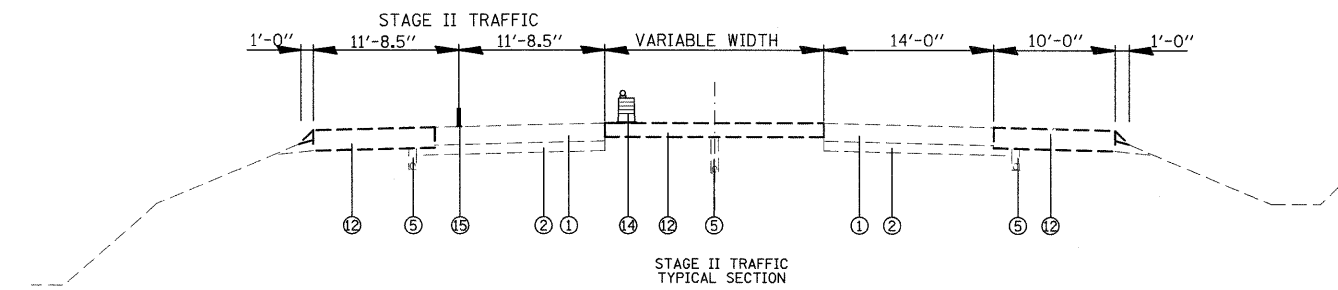
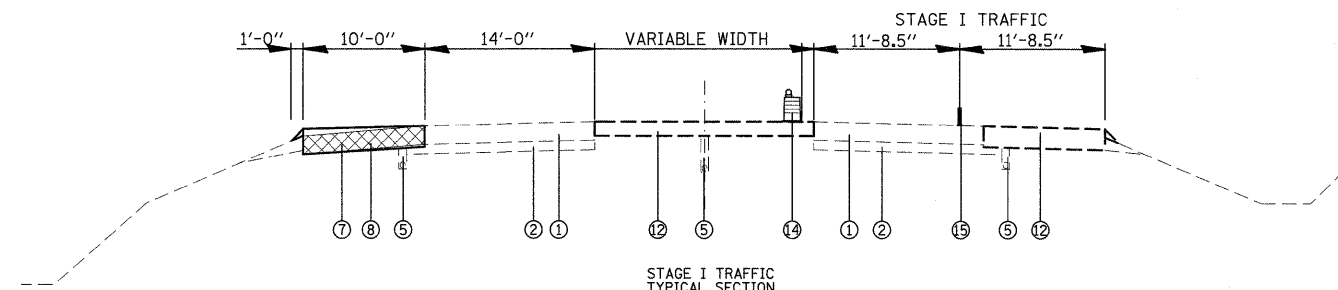
NOTES -

1. THE PROPOSED WIDENING SHALL CONSIST OF HMA BASE COURSE - 10 1/2" AND SHALL INCLUDE PLACING EARTH EXCAVATION AGAINST WIDENING TO DRAIN. THE HMA SURFACE COURSE SHALL CONSIST OF HMA SURFACE COURSE, MIX "D", N70 - 2".
2. ALL CONFLICTING PAVEMENT MARKING SHALL BE REMOVED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION. THE COST FOR THIS SHALL BE INCLUDED IN THE APPLICABLE TRAFFIC CONTROL AND PROTECTION STANDARD.
3. THIS PROJECT WILL REQUIRE TEMPORARY RUMBLE STRIP.
4. THE TEMPORARY SAND FILL FOR INLETS SHALL BE ACCORDING TO SECTION 1003.01 OF THE STANDARD SPECIFICATIONS AND SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION.



LEGEND

- ① EXISTING PCC PAVEMENT - 10"
 - ② EXISTING SUB BASE GRANULAR MATERIAL, TYPE A - 6"
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M 6.06
 - ④ EXISTING SAND FILL
 - ⑤ EXISTING PIPE UNDERDRAIN 4"
 - ⑥ EXISTING CONCRETE MEDIAN SURFACE 4"/SOLID MEDIAN*
 - ⑦ EXISTING BITUMINOUS SHOULDERS - 8"
 - ⑧ PROPOSED HMA BASE COURSE - 10 1/2"
 - ⑨ PROPOSED PCC BASE COURSE - 8 1/2"
 - ⑩ PROPOSED CONCRETE MEDIAN, TYPE SM (DOWELLED)
 - ⑪ PROPOSED HMA SURFACE COURSE - 2"
 - ⑫ BASE COURSE PLACED IN PREVIOUS STAGE
 - ⑬ PROPOSED DOWELL BARS
 - ⑭ DRUM WITH FLASHING LIGHT
 - ⑮ VERTICAL BARRICADE
- ☒ REMOVAL



Rev.

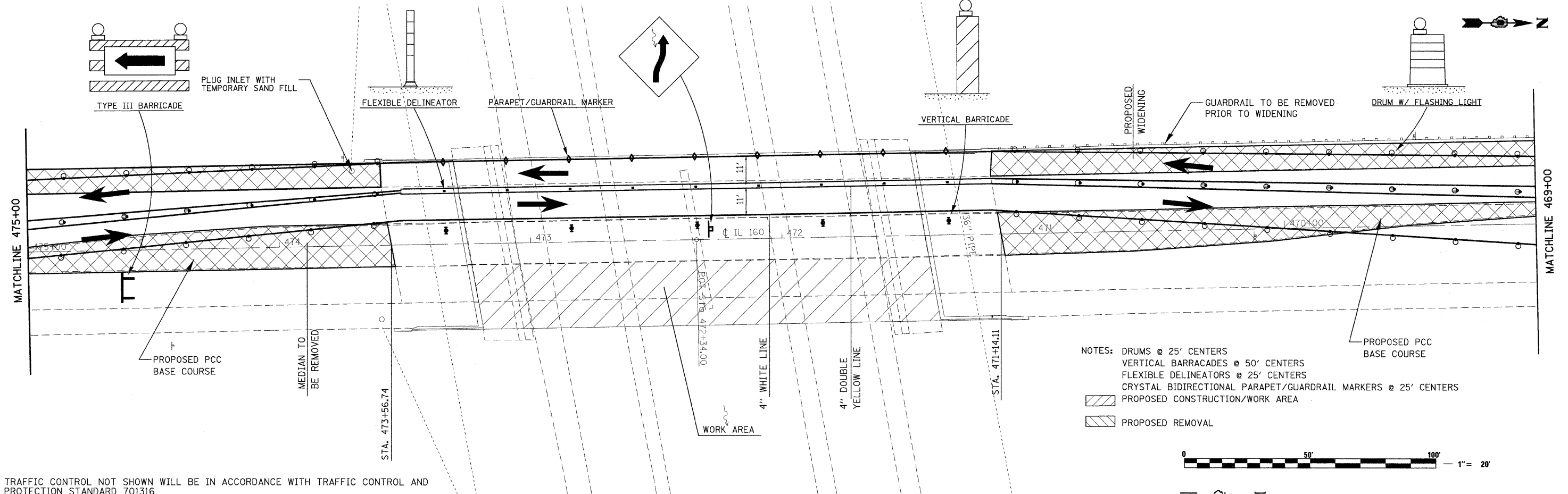
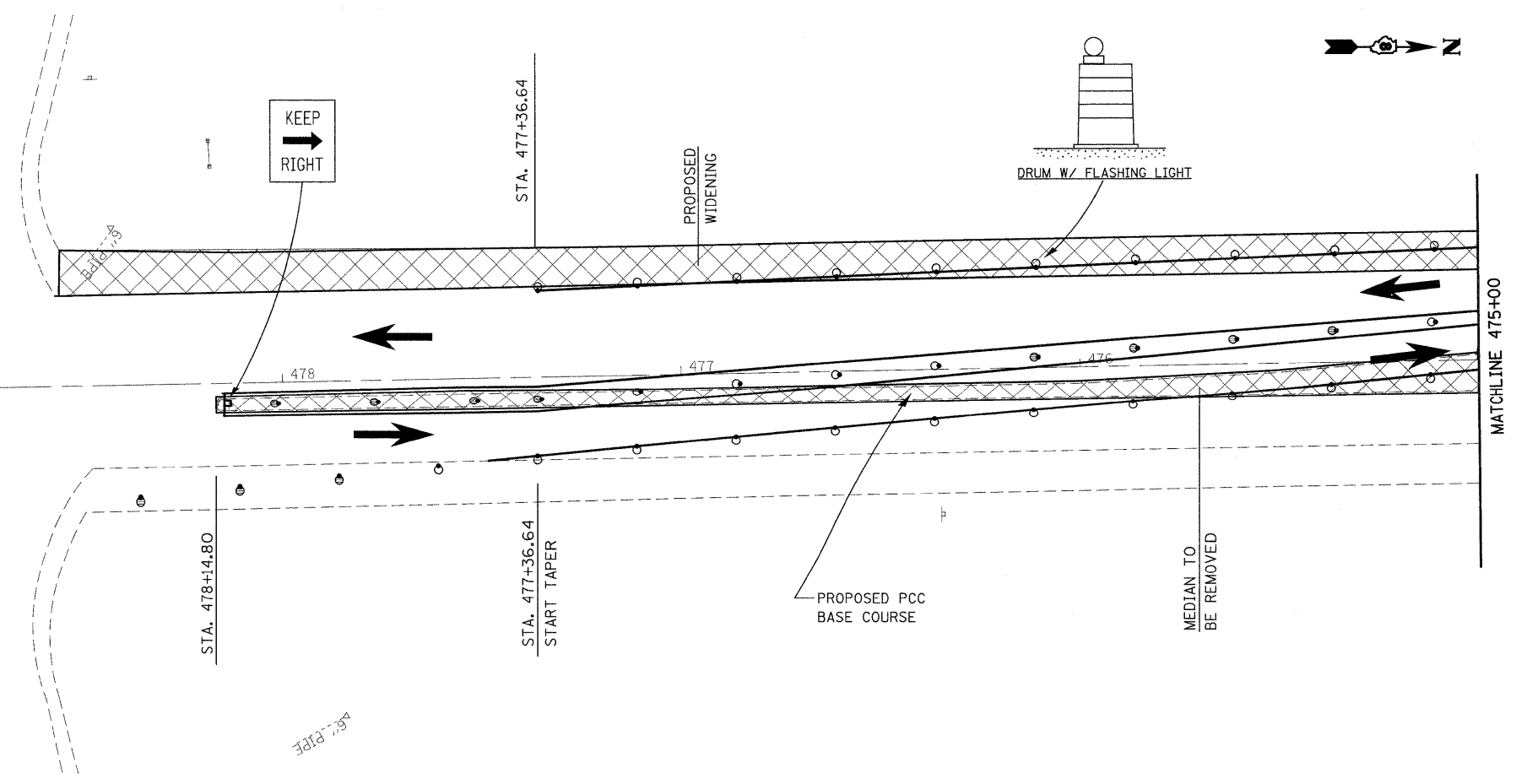
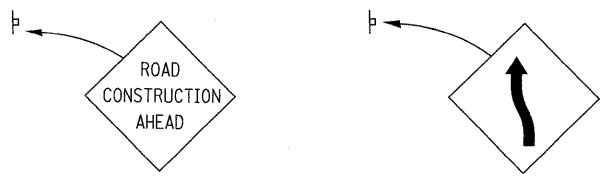
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PLOT DATE = 12/8/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 20'		SHEET NO. 1 OF 7 SHEETS		STA. TO STA.		

SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

DRUMS SHALL BE PLACED AT 25' CENTERS.

TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316

481 480+00 IL 160 479

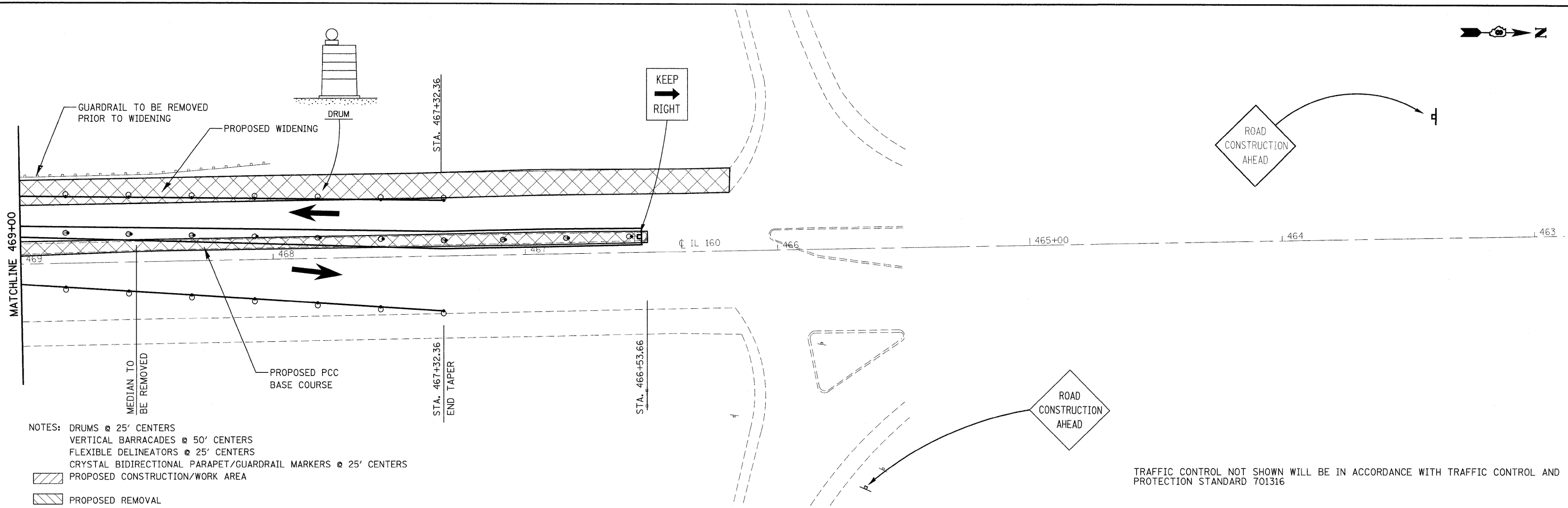


- NOTES:
- DRUMS @ 25' CENTERS
 - VERTICAL BARRICADES @ 50' CENTERS
 - FLEXIBLE DELINEATORS @ 25' CENTERS
 - CRYSTAL BIDIRECTIONAL PARAPET/GUARDRAIL MARKERS @ 25' CENTERS
 - PROPOSED CONSTRUCTION/WORK AREA
 - PROPOSED REMOVAL



TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL STAGE I - LOCATION 1	FAPP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/8/2009	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76B27				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



- NOTES: DRUMS @ 25' CENTERS
 VERTICAL BARRICADES @ 50' CENTERS
 FLEXIBLE DELINEATORS @ 25' CENTERS
 CRYSTAL BIDIRECTIONAL PARAPET/GUARDRAIL MARKERS @ 25' CENTERS
- PROPOSED CONSTRUCTION/WORK AREA
 - PROPOSED REMOVAL

TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316

- NOTES: DRUMS @ 25' CENTERS
 VERTICAL BARRICADES @ 50' CENTERS
 FLEXIBLE DELINEATORS @ 25' CENTERS
 CRYSTAL BIDIRECTIONAL PARAPET/GUARDRAIL MARKERS @ 25' CENTERS



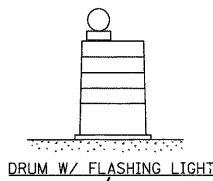
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
 STAGE I - LOCATION 1**

FAPP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	13
CONTRACT NO. 76B27			ILLINOIS FED. AID PROJECT	

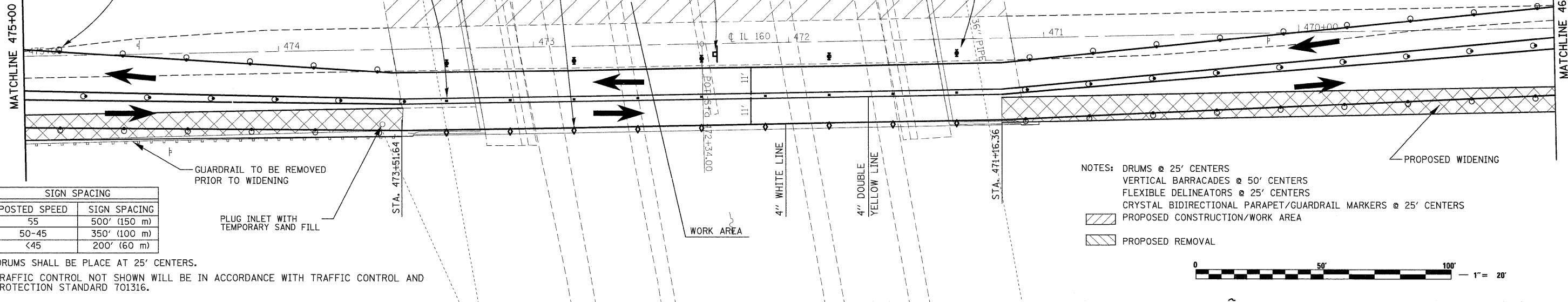
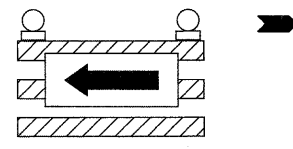
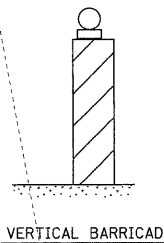
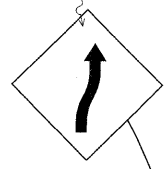
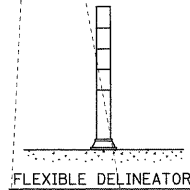
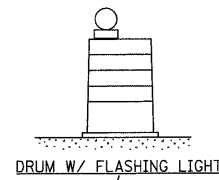
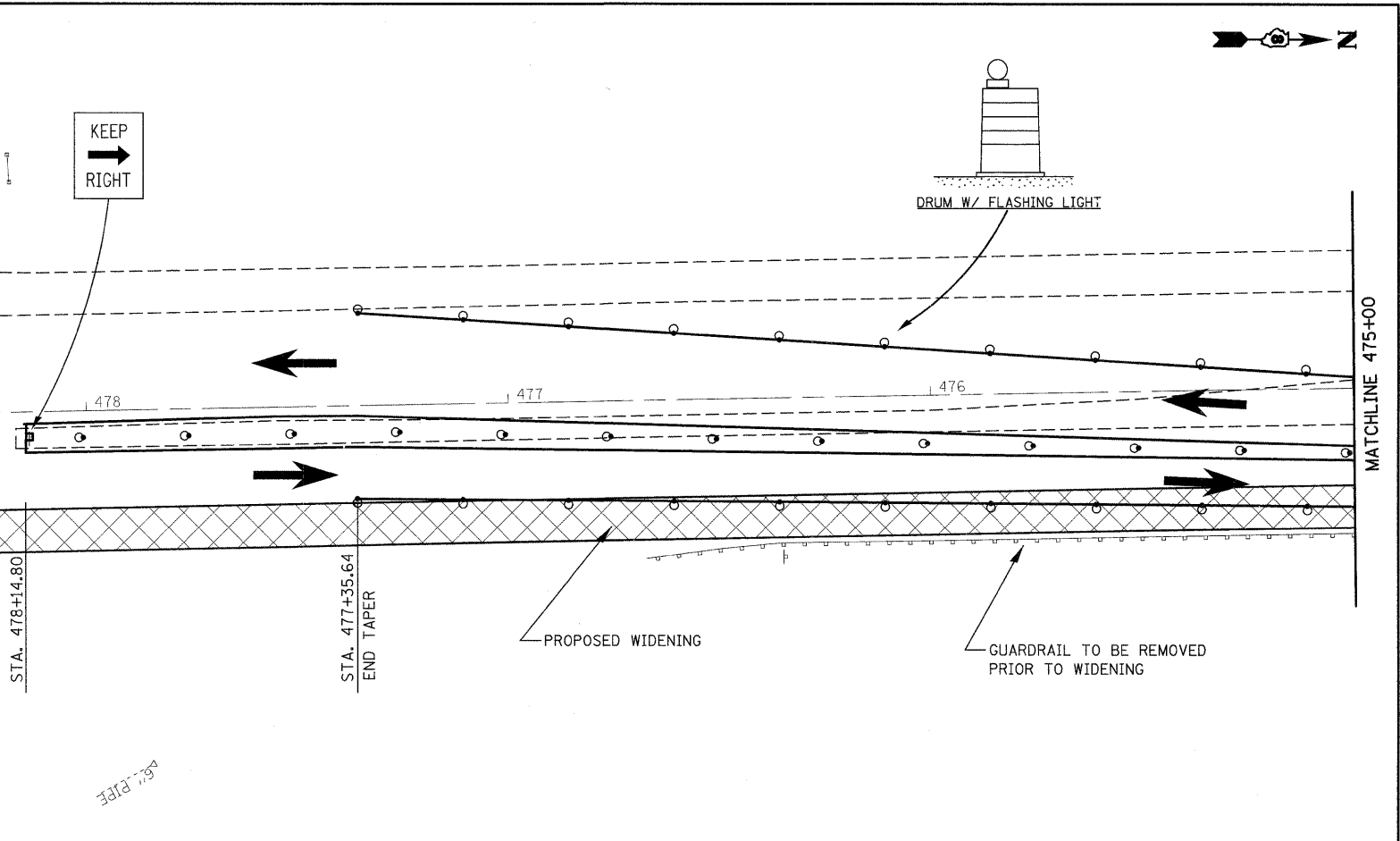
SCALE: 1" = 20' SHEET NO. 3 OF 7 SHEETS STA. 463+00 TO STA. 469+00



SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

DRUMS SHALL BE PLACED AT 25' CENTERS.

TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316.

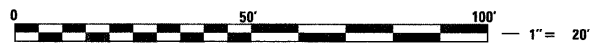


SIGN SPACING	
POSTED SPEED	SIGN SPACING
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50-45	350' (100 m)
<45	200' (60 m)

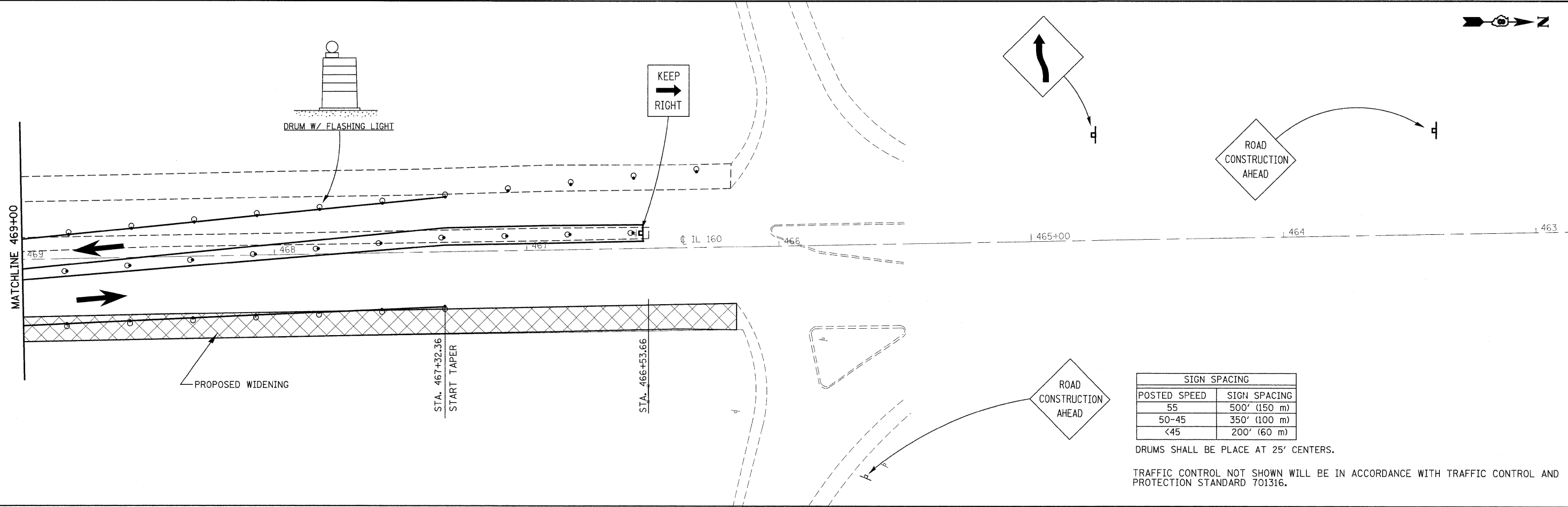
DRUMS SHALL BE PLACED AT 25' CENTERS.

TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316.

- NOTES:
- DRUMS @ 25' CENTERS
 - VERTICAL BARRICADES @ 50' CENTERS
 - FLEXIBLE DELINEATORS @ 25' CENTERS
 - CRYSTAL BIDIRECTIONAL PARAPET/GUARDRAIL MARKERS @ 25' CENTERS
 - PROPOSED CONSTRUCTION/WORK AREA
 - PROPOSED REMOVAL



FILE NAME =	USER NAME = mannta	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL STAGE II - LOCATION 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 12/8/2009	DATE -	REVISED -	REVISED -			CONTRACT NO. 76B27					
						ILLINOIS FED. AID PROJECT					



SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

DRUMS SHALL BE PLACED AT 25' CENTERS.

TRAFFIC CONTROL NOT SHOWN WILL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701316.

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REVISED -

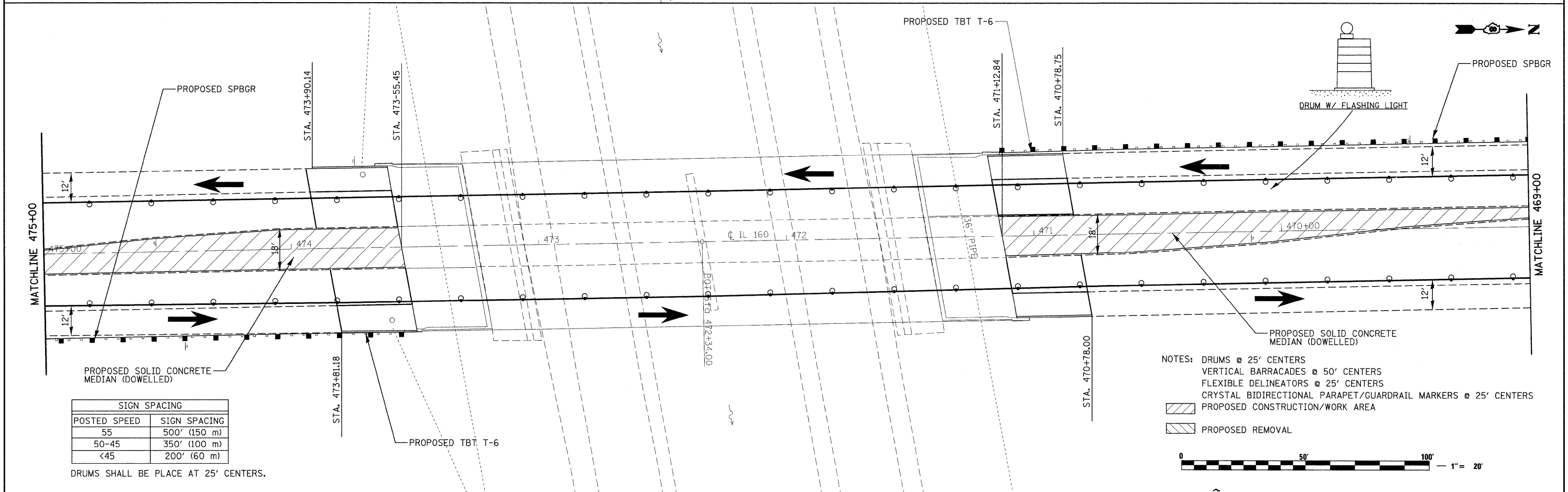
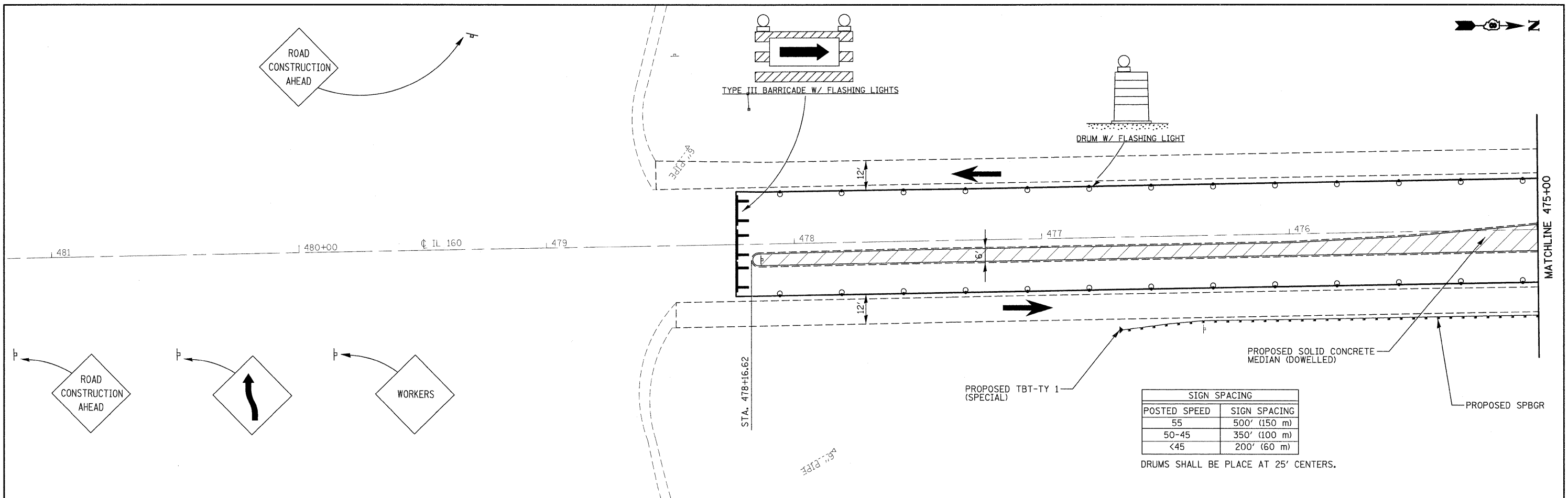
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL
STAGE II- LOCATION 1**

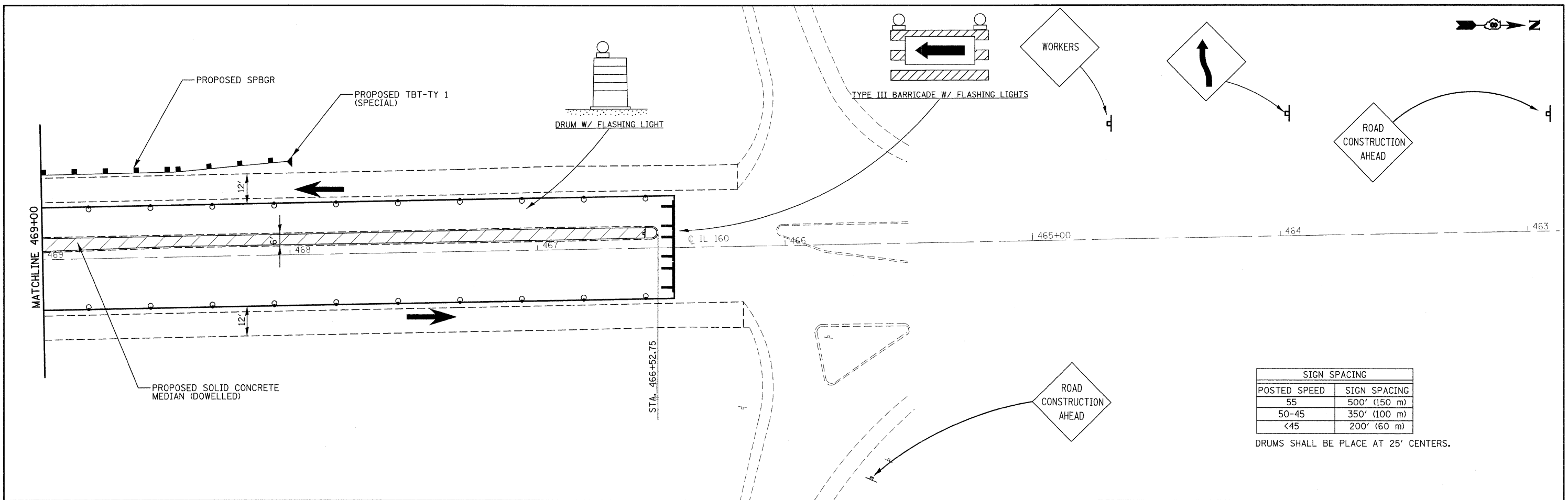
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FAPP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	15
				CONTRACT NO. 76B27

ILLINOIS FED. AID PROJECT



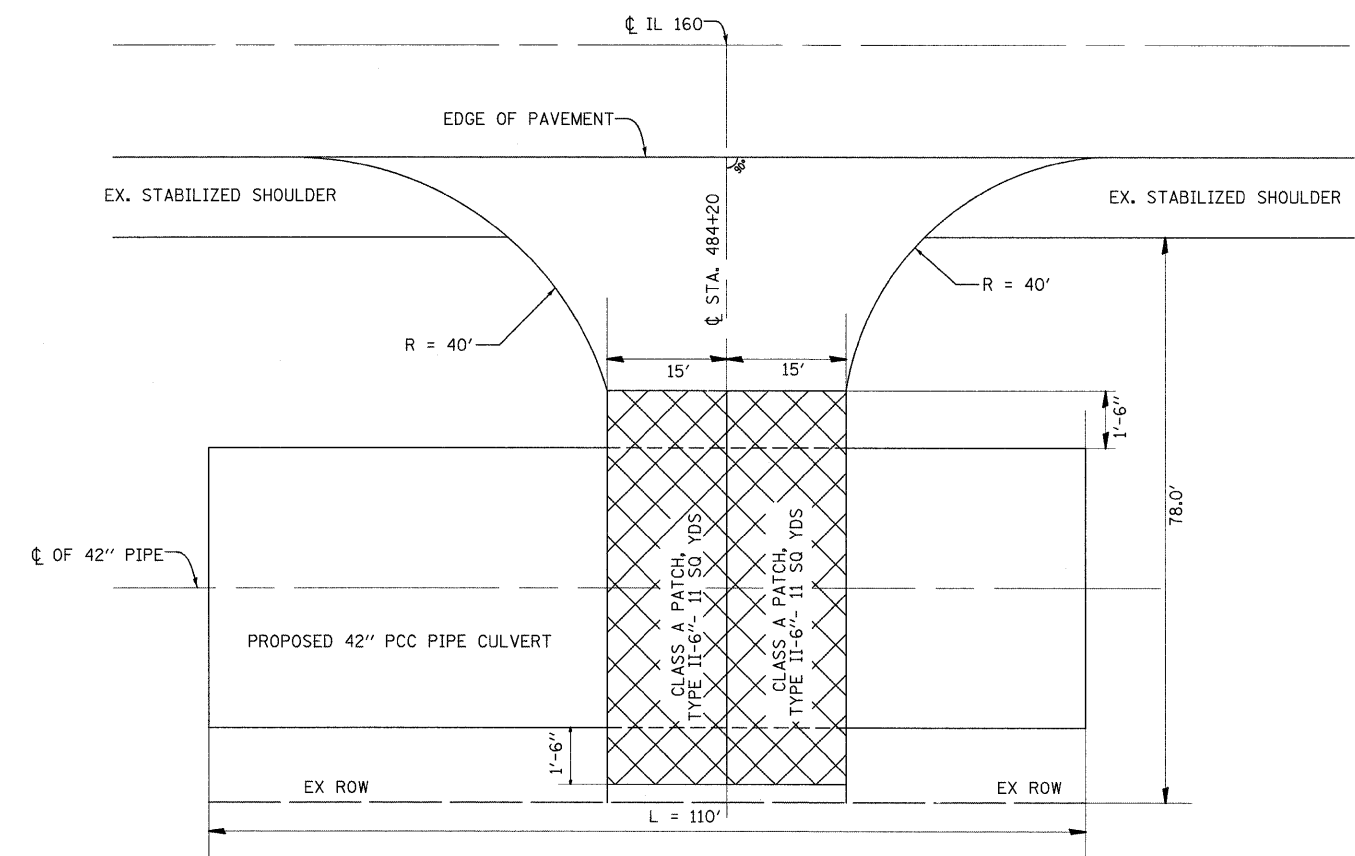
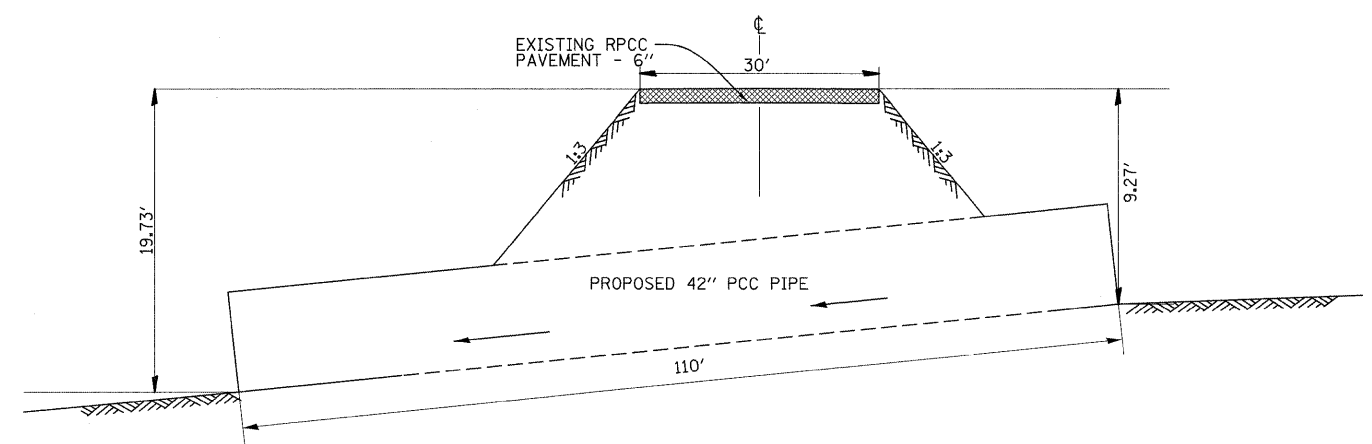
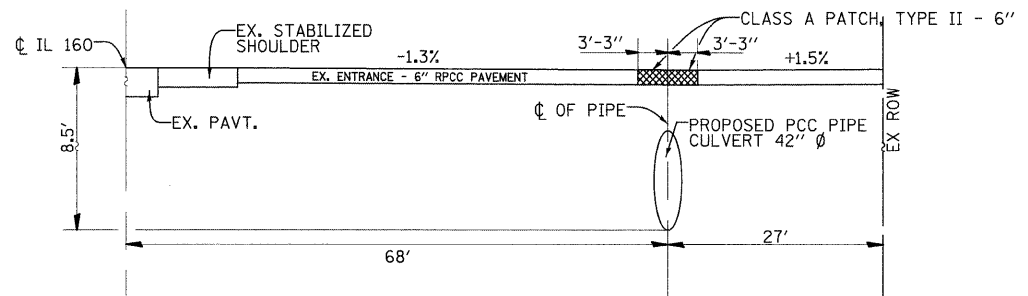
FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL & PROTECTION (SPECIAL) STAGE III - LOCATION 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwidot\manntm\dms52478\p1n1007.dgn	PLOT SCALE = 20,0000' / IN.	DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	16
PLOT DATE = 12/8/2009	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76B27				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

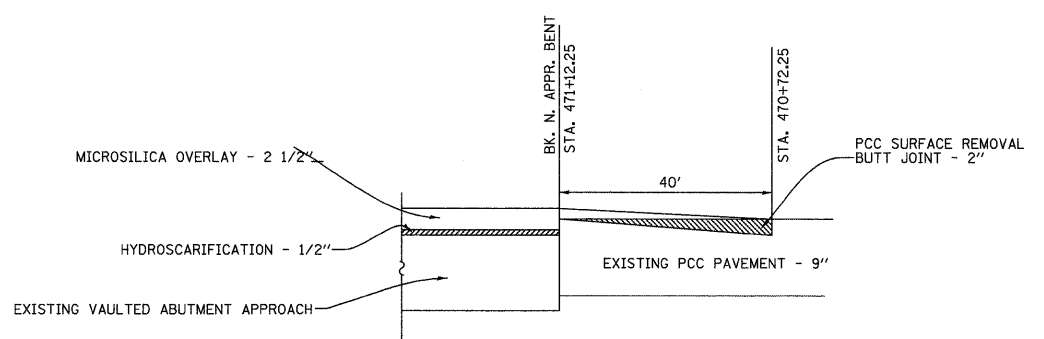
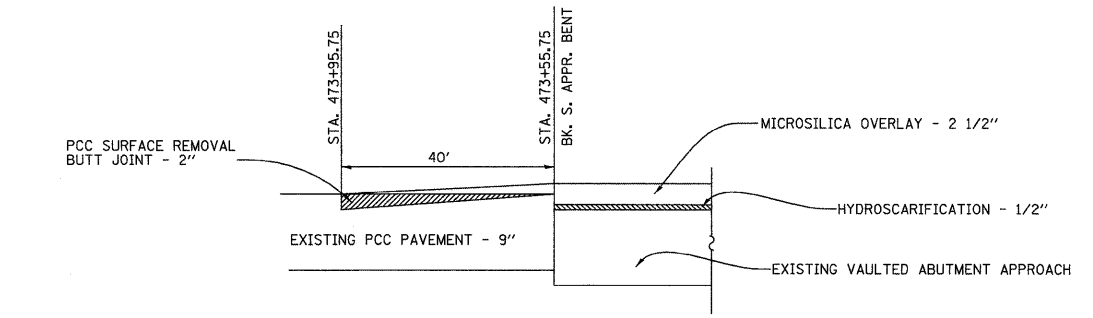
DRUMS SHALL BE PLACE AT 25' CENTERS.

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL & PROTECTION (SPECIAL) STAGE III - LOCATION 1	FAPP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwidot\manntm\dms52470\pin10207a.dgn		DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	17
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27				
PLOT DATE = 12/8/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 20'		SHEET NO. 7 OF 7 SHEETS		STA. 463+00 TO STA. 469+00		



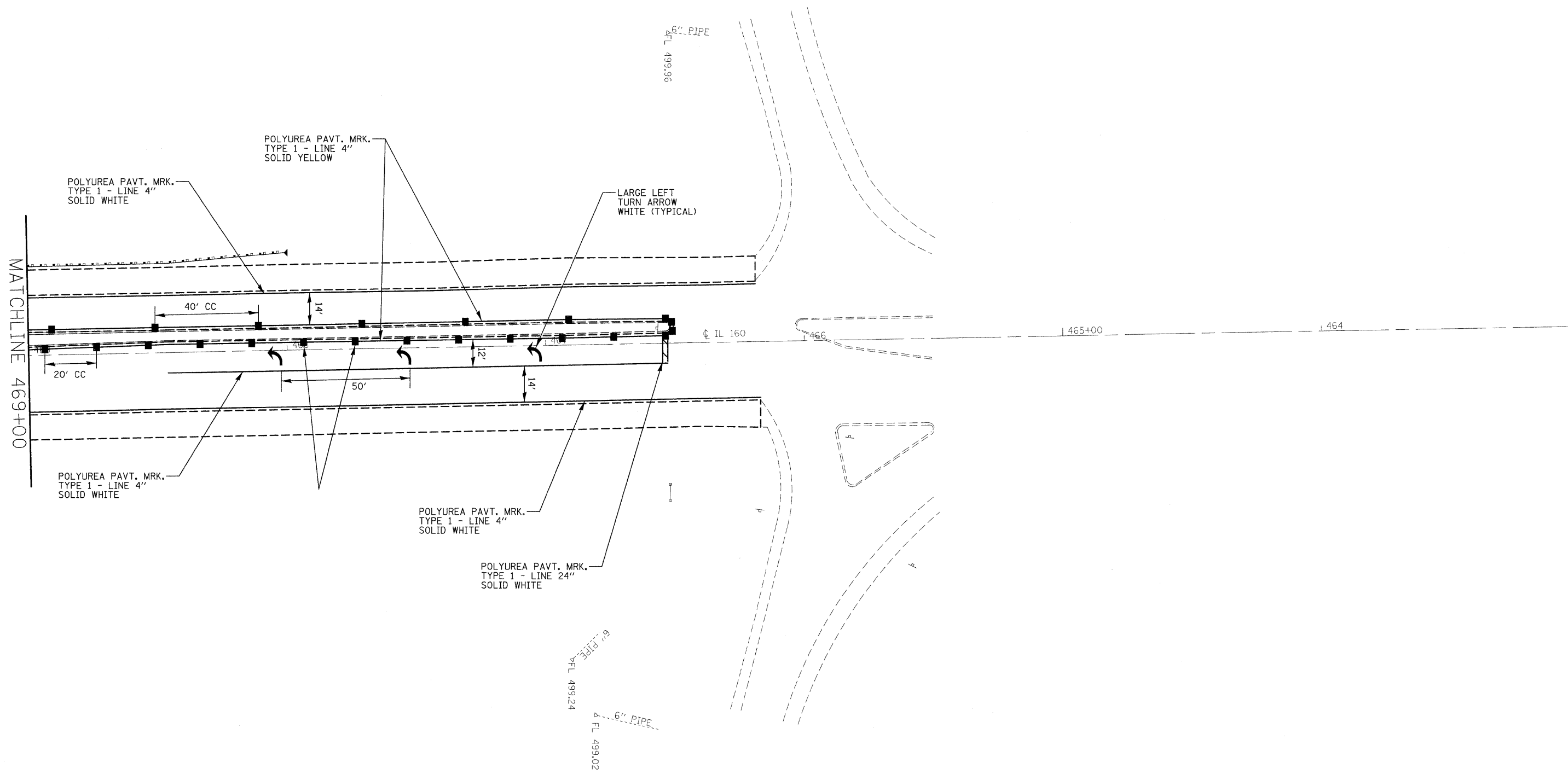
PIPE CULVERT REMOVAL AND REPLACEMENT DETAIL

- NOTES:
 1. FLAGGERS FOR THIS WORK SHALL BE PAID FOR ACCORDING TO SECTION 109.09 OF THE STANDARD SPECIFICATIONS.
 2. NO NIGHTTIME LANE CLOSURES WILL BE ALLOWED FOR WORK AT THIS LOCATION.



BUTT JOINT DETAIL

FILE NAME =	USER NAME = mannta	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS - LOCATION 1		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pe_work\pwi\dot\mannta\dms52470\p1n10207b.dgn	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -				327	14-12BR-1	CLINTON	72	18
PLOT DATE = 12/8/2009	DATE -	REVISED -	REVISED -				CONTRACT NO. 76B27				
							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
				SCALE: NO SCALE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			



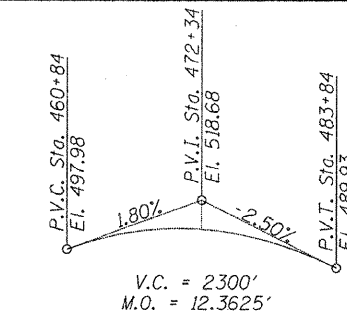
FILE NAME = c:\pwork\pwork\manntm\dms52478\p1n1207a.dgn	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING-LOCATION 1			F.A.P. RTE. 327	SECTION 14-12BR-1	COUNTY CLINTON	TOTAL SHEETS 72	SHEET NO. 20
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 463+00 TO STA. 469+00	CONTRACT NO. 76B27				
	PLOT DATE = 12/18/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

PROPOSED IMPROVEMENTS

1. Replace expansion joints at the abutments.
2. Hydroscarify deck $\frac{3}{4}$ " and install $2\frac{1}{4}$ " microsilica overlay.
3. Perform full depth deck patching.
4. Replace deteriorated diaphragms at abutments.
5. Replace steel rocker bearings at abutments with elastomerics.
6. Plug/extend existing floor drains.
7. Riprap abutments.
8. Substructure repairs.

INDEX OF SHEETS

1. General Plan & Elevation
2. Stage Construction Details
3. Riprap Details
4. Deck Slab Repair
5. Superstructure Concrete Removal
6. Superstructure Details
7. Superstructure Details
8. Preformed Joint Strip Seal
9. Floor Drain Details
10. Structural Steel Details
11. Bearing Details
12. Abutment Concrete Repair Details
13. Pier Concrete Repair Details
14. Bar Splicer Details



EXISTING PROFILE GRADE

(Along F.A.P. 690 P.G.)
(From Existing Plans)

DESIGN STRESSES

FIELD UNITS (NEW CONSTRUCTION)
 $f'_c = 3500$ psi
 $f_y = 60,000$ psi (Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		50	50
Filter Fabric	Sq. Yd.		50	50
Hot Mix Asphalt Surface Removal, 1 1/2"	Sq. Yd.	1136		1136
Concrete Removal	Cu. Yd.	27.8		27.8
Protective Shield	Sq. Yd.	1374		1374
Concrete Superstructure	Cu. Yd.	27.5		27.5
Bridge Deck Grooving	Sq. Yd.	900		900
Floor Drain Extension	Each	4		4
Reinforcement Bars, Epoxy Coated	Pound	3855		3855
Bar Splicers	Each	40		40
Preformed Joint Strip Seal	Foot	138		138
Elastomeric Bearing Assembly, Type I	Each	18		18
Anchor Bolts, 1"	Each		36	36
Protective Coat	Sq. Yd.	1877		1877
Polymer Concrete	Cu. Ft.	4.0		4.0
Furnishing and Erecting Structural Steel	Pound	8340		8340
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		721	721
Bridge Deck Microsilica Concrete Overlay, 2 1/4"	Sq. Yd.	1096		1096
Plug Existing Deck Drains	Each	4		4
Jack and Remove Existing Bearings	Each	18		18
Bridge Deck Hydro-scarification, 3/4"	Sq. Yd.	1096		1096
Cleaning Bridge Seats	Sq. Ft.		236	236
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	49.3		49.3
Structural Steel Removal	Pound	4770		4770

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ " ϕ , holes $\frac{5}{16}$ " ϕ , unless otherwise noted.

All structural steel shall be AASHTO M270 Grade 50.

Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60.

Reinforcement bars designated (E) shall be epoxy coated.

The layout of the riprap may be varied to suit ground conditions in the field as determined by the Engineer.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Cleaning and 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.

The existing abutment seats shall be cleaned according to the special provision for "Cleaning Bridge Seats".

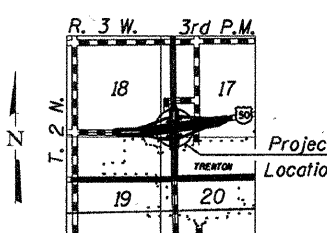
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

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."

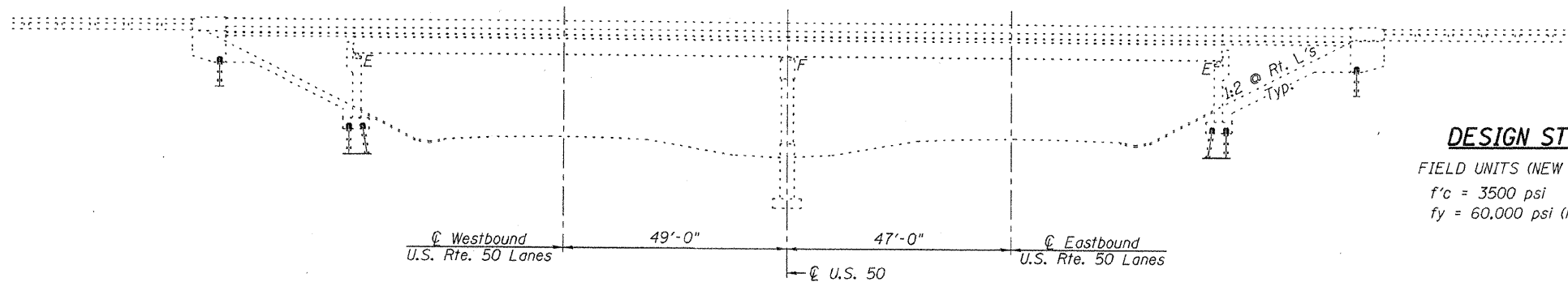
Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.

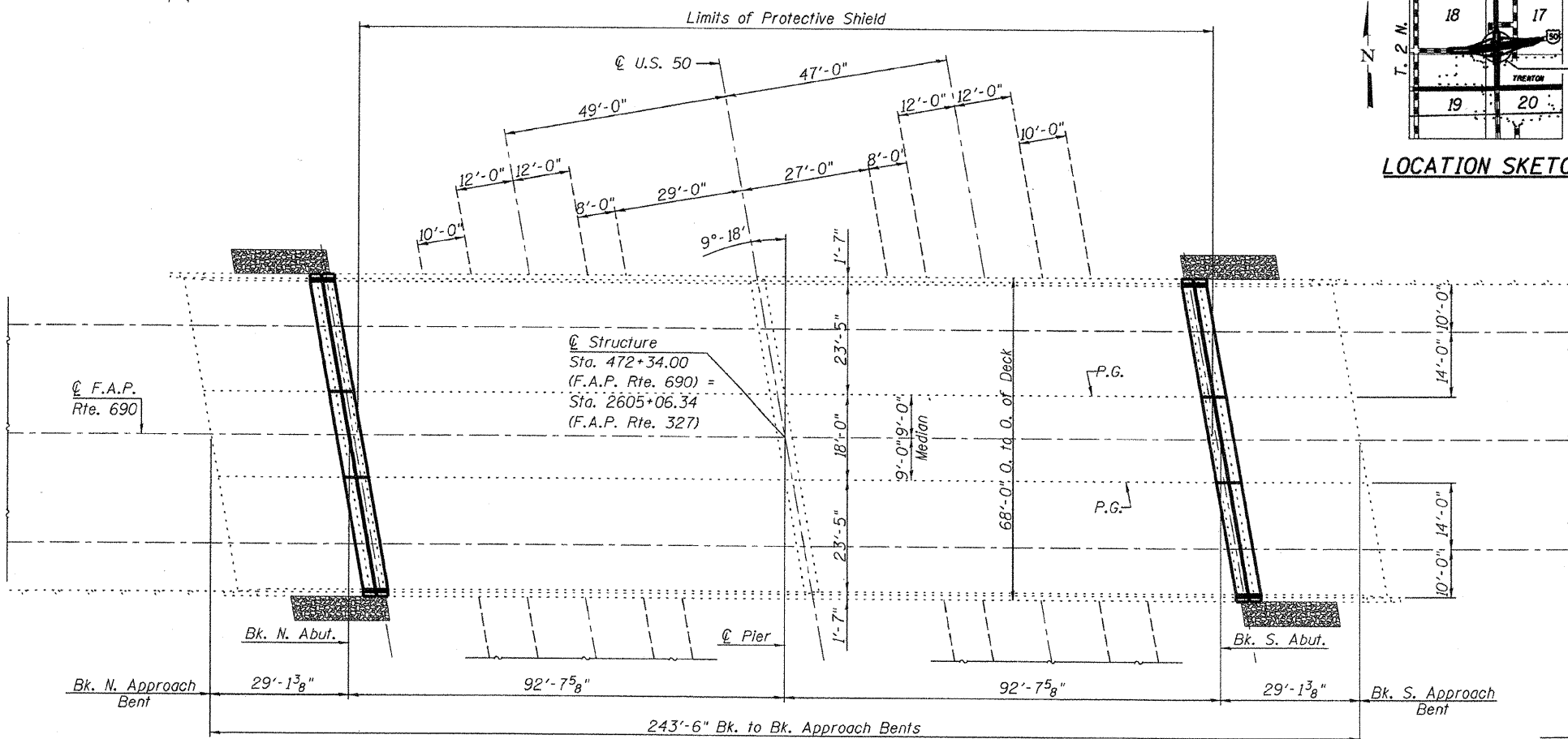
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.



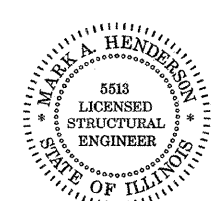
LOCATION SKETCH



ELEVATION



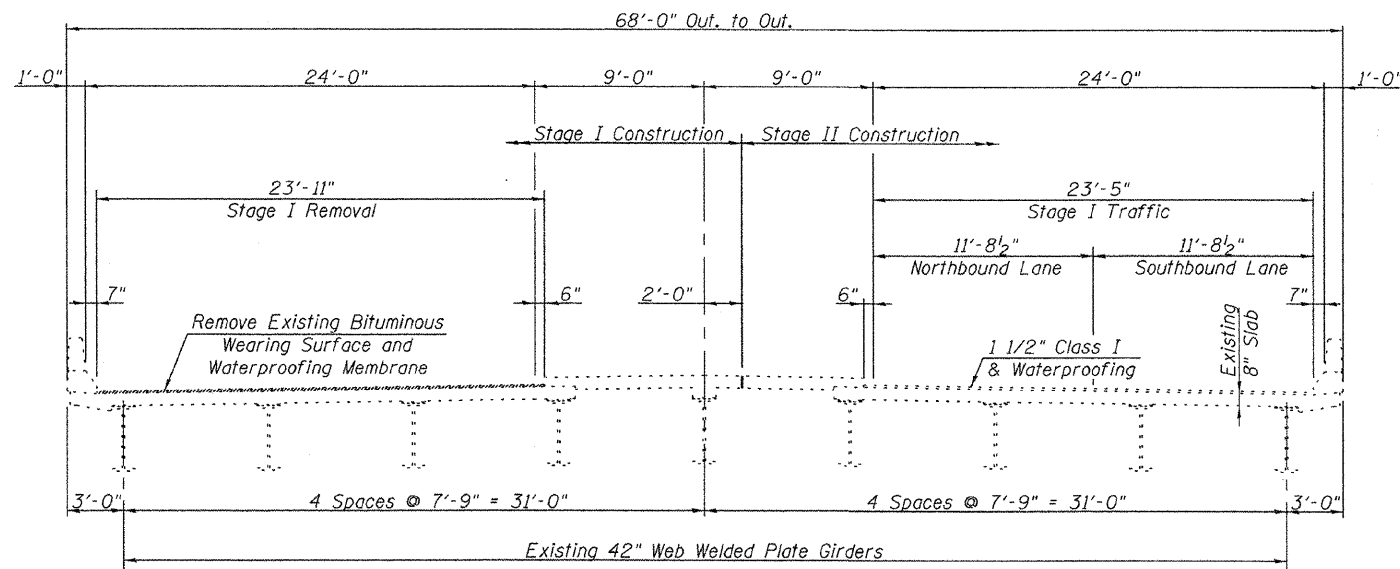
PLAN



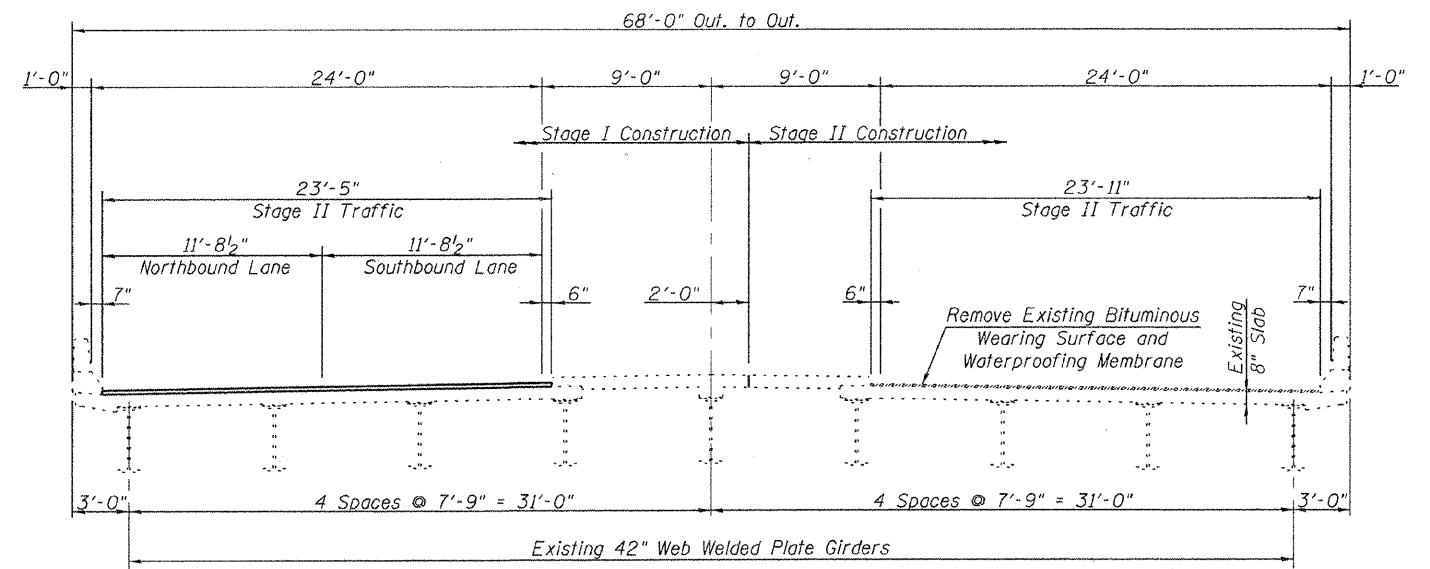
Mark A. Henderson 12/2/09
Expiration Date 11/30/2010

GENERAL PLAN & ELEVATION
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065

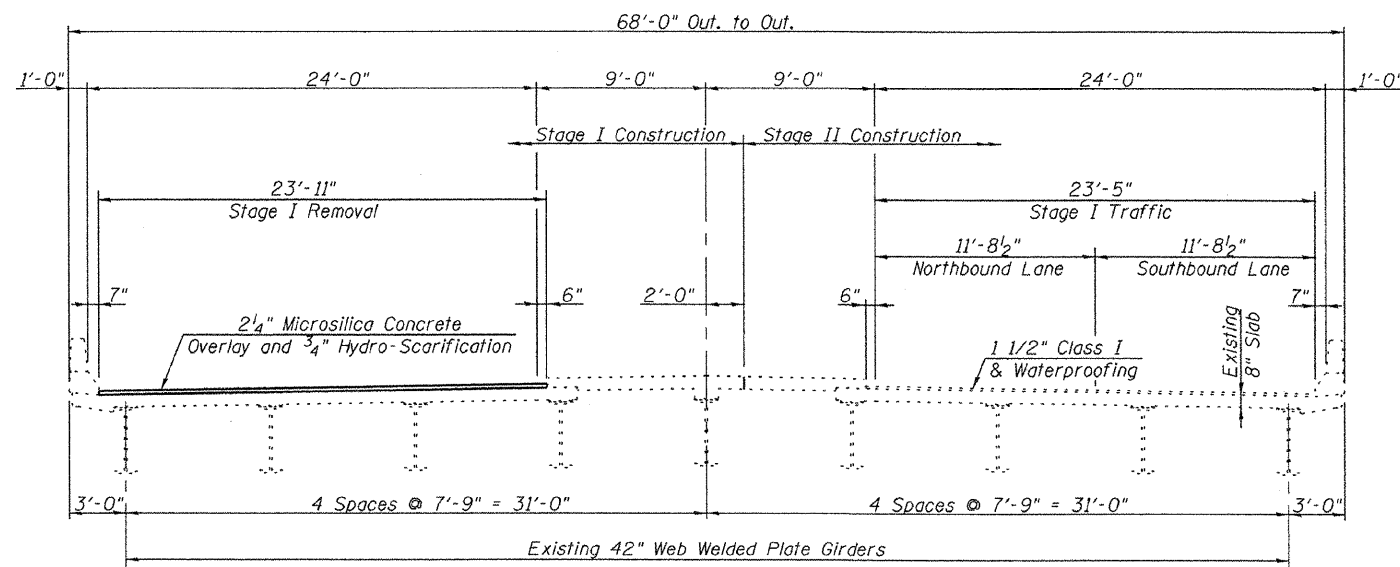
Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907	SHEET NO. 1 14 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		690	14-12BR-1	CLINTON	72	21
CONTRACT NO. 76B27						
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



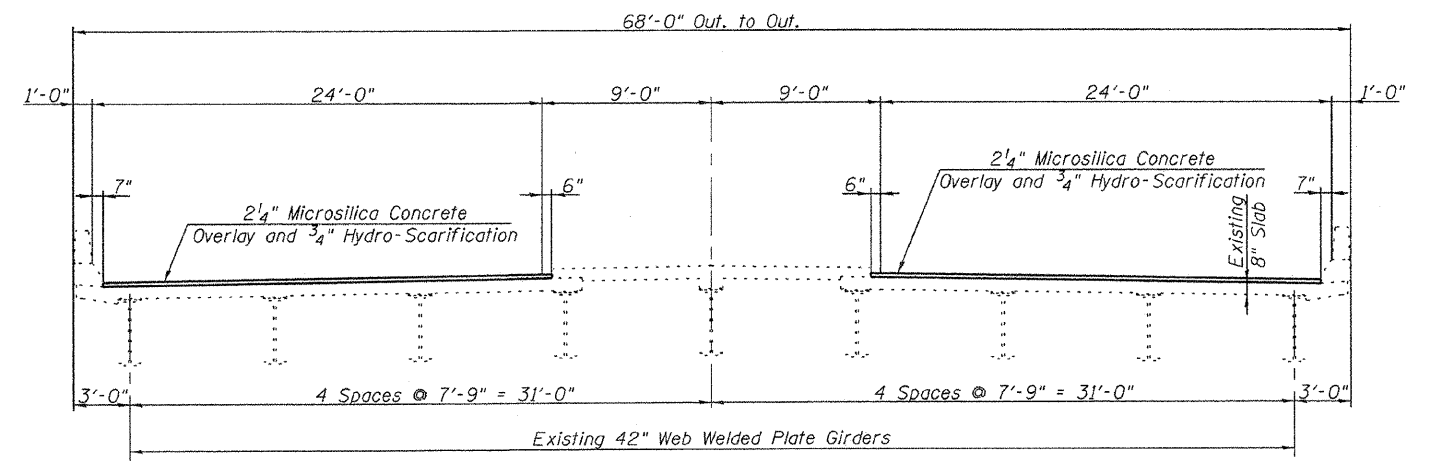
STAGE I REMOVAL & STAGE I TRAFFIC
(Looking South)



STAGE II REMOVAL & STAGE II TRAFFIC
(Looking South)



STAGE I CONSTRUCTION
(Looking South)



PROPOSED CROSS SECTION
(Looking South)

Note:
Staging is for information only.
Coordinate with roadway staging.

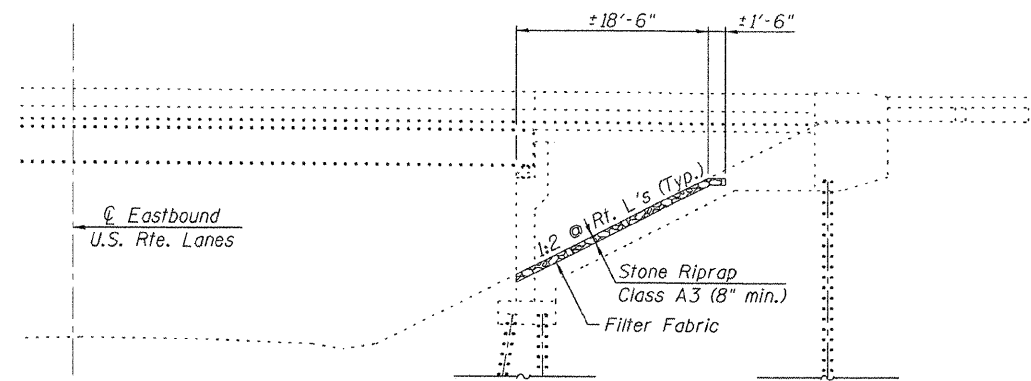
STAGE CONSTRUCTION DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065



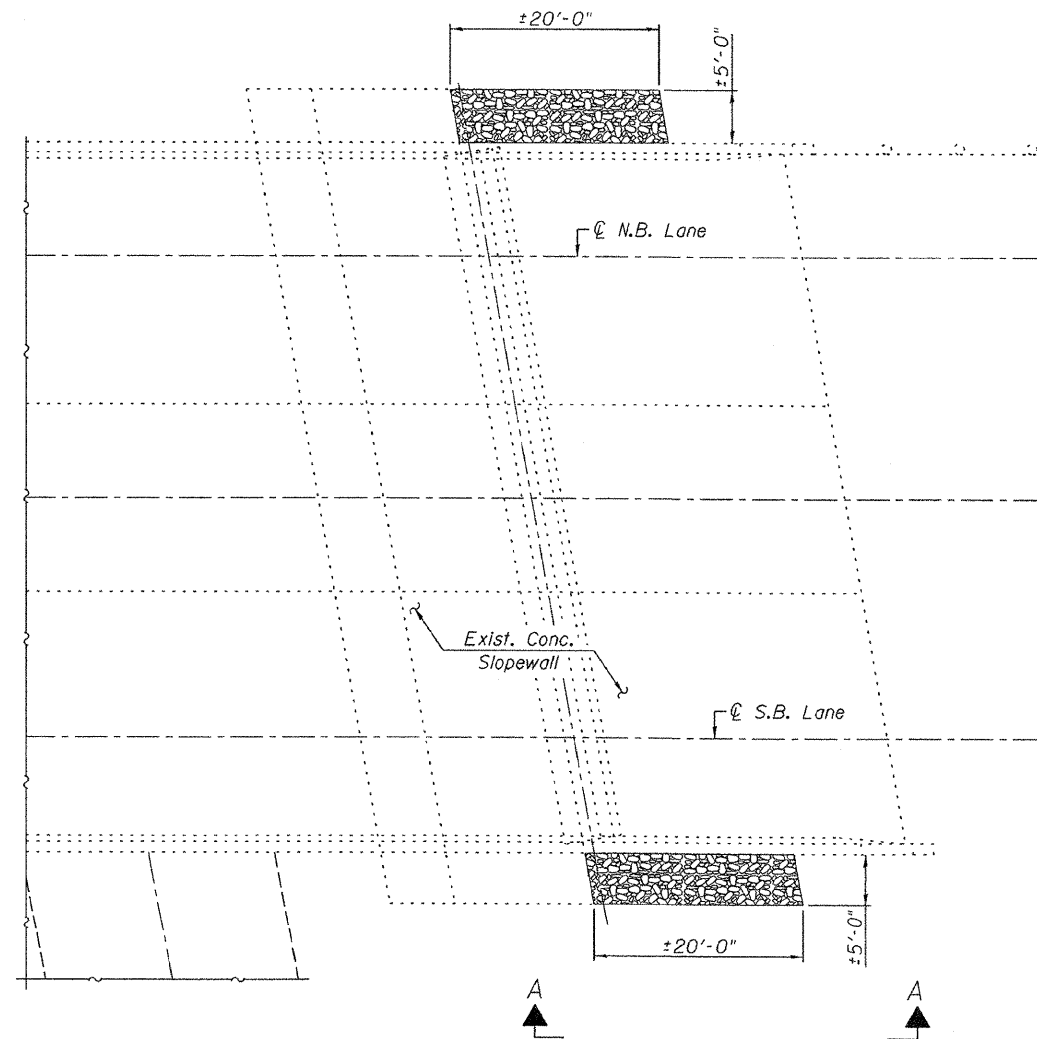
Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm
No. 184-001907

SHEET NO. 2
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	22
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



SECTION A-A



PLAN-ABUTMENT SLOPE PROTECTION
(S. Abutment shown - North Abutment similar)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A3	Sq. Yd.	50
Filter Fabric	Sq. Yd.	50

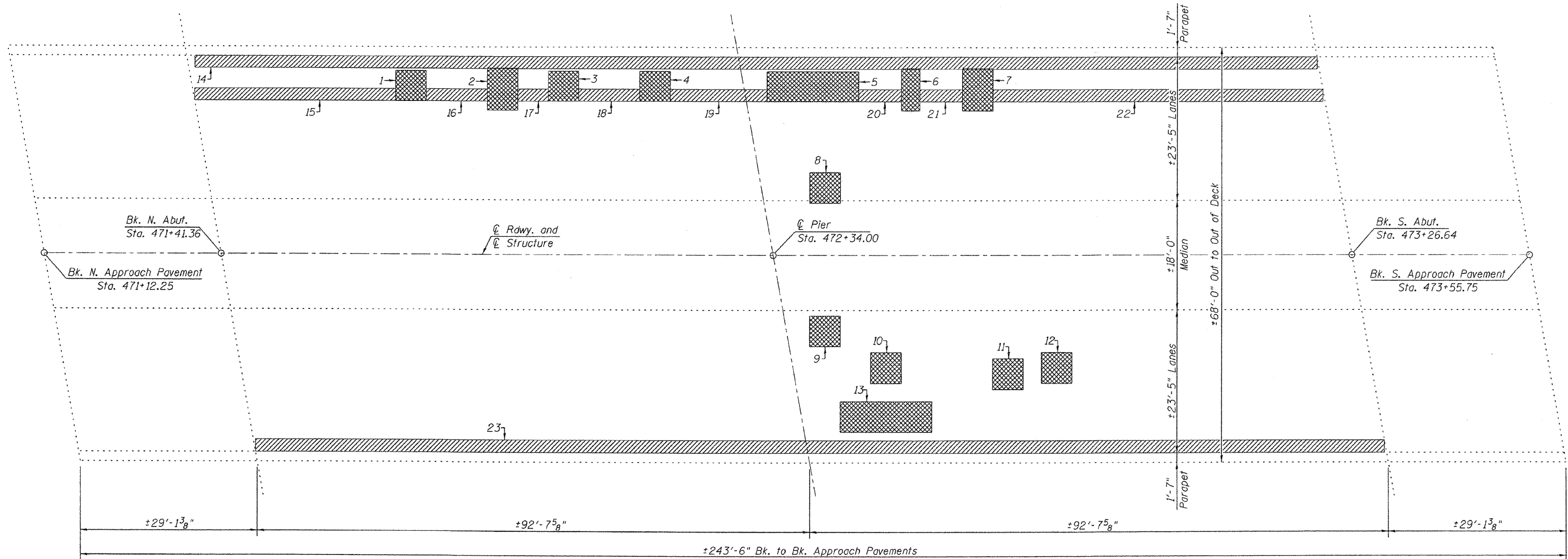
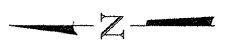
RIPRAP DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065



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Civil and Structural Engineers Springfield, IL.
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No. 184-001907

SHEET NO. 3
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	23
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN

Notes: Areas of deck slab repairs shown are estimated. The engineer shall record the actual deck slab repair areas in the "As Built" plans.

LEGEND

- Deck Slab repair (Full depth) - Sq. Yd.
- Deck Slab repair (Partial depth) - Sq. Yd. (For information only)

DECK SLAB REPAIR (FULL DEPTH)

Patch	Length (Foot)	Width (Foot)	Area Type II (Sq. Yd.)
1	5	5	2.8
2	5	7	3.9
3	5	5	2.8
4	5	5	2.8
5	15	5	8.3
6	3	7	2.4
7	5	7	3.9
8	5	5	2.8
9	5	5	2.8
10	5	5	2.8
11	5	5	2.8
12	5	5	2.8
13	15	5	8.4
Total			49.3

DECK SLAB REPAIR (PARTIAL DEPTH)

Patch	Length (Foot)	Width (Foot)	Area (Sq. Yd.)
14	184	2	40.9
15	32	2	7.1
16	10	2	2.2
17	5	2	1.1
18	10	2	2.2
19	18	2	4.0
20	7	2	1.6
21	7	2	1.6
22	52	2	11.6
23	184	2	40.9
Total			113.2

(Table for information only)

Date of Survey: 10-21-09
Survey By: T. Krumm and J. Uehle

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	49.3

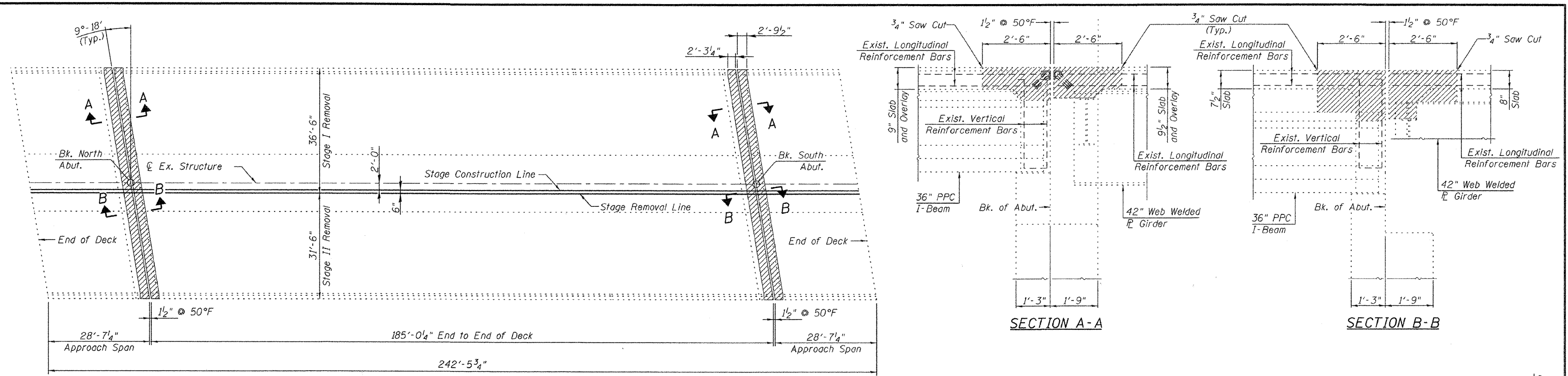
**DECK SLAB REPAIR
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065**



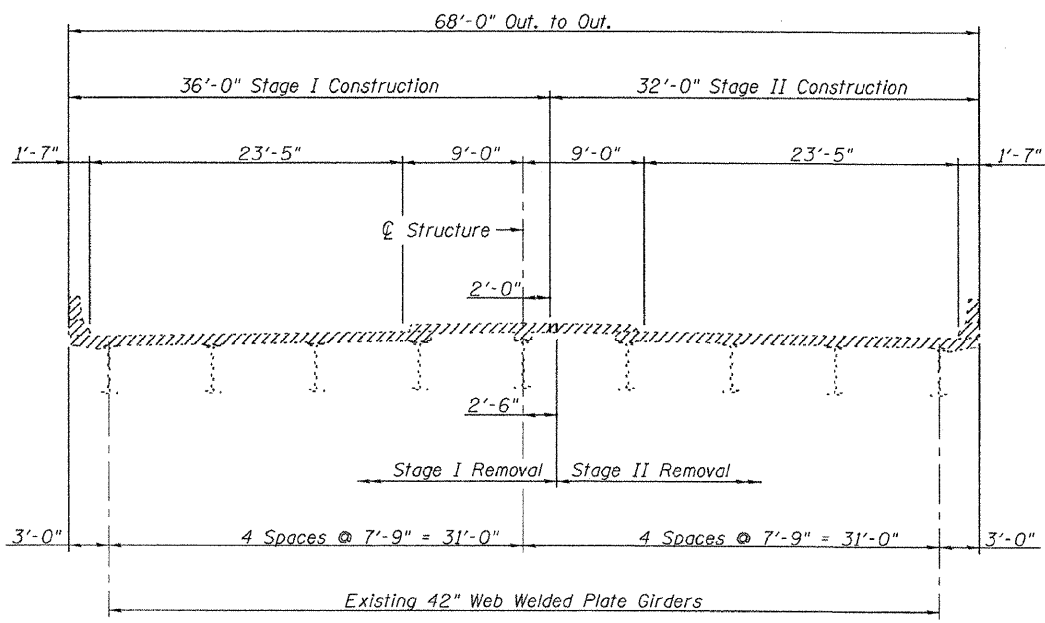
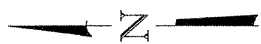
Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm
No. 184-001907

SHEET NO. 4
14 SHEETS

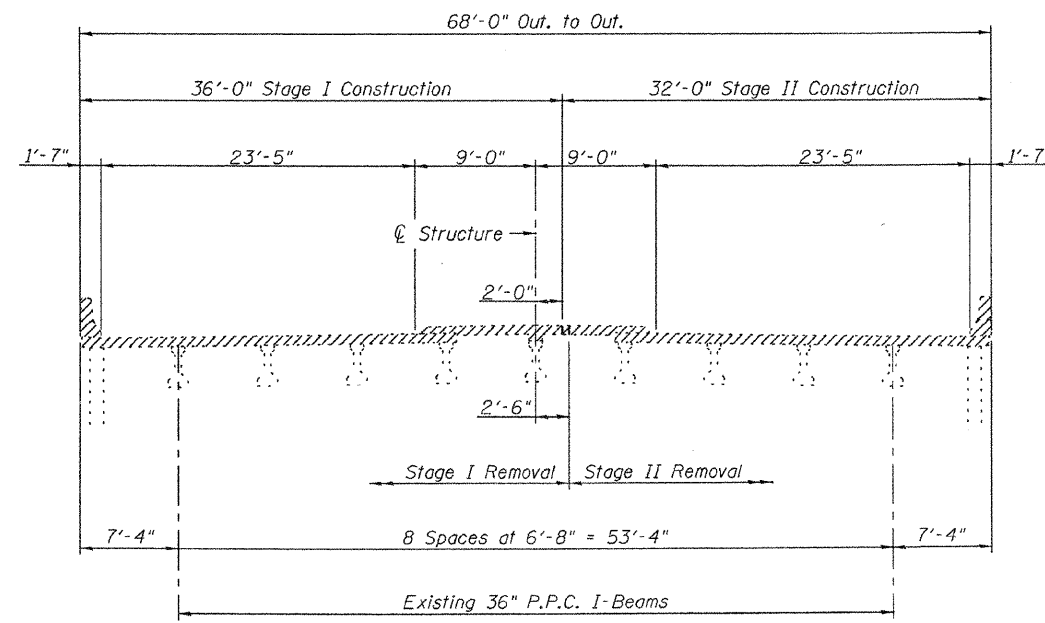
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	24
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



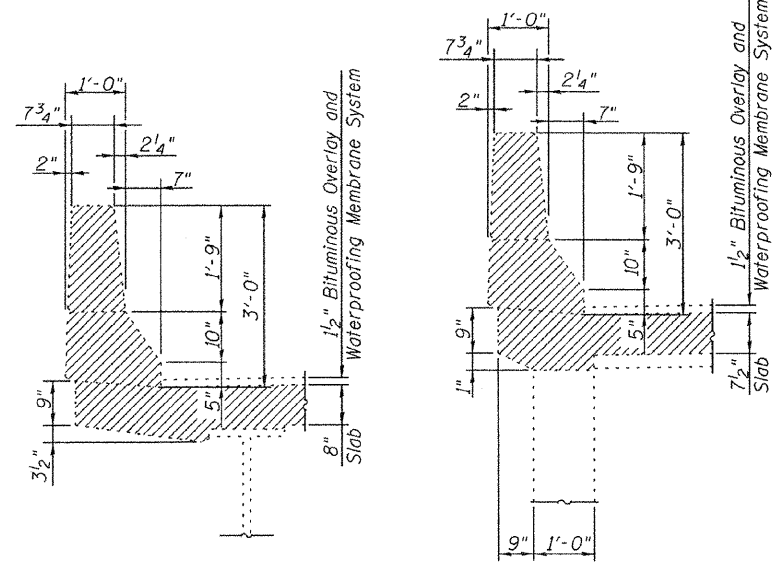
PLAN
(Showing Concrete Removal)



CROSS SECTION THRU SPAN AT END OF DECK
(Looking South)



CROSS SECTION THRU APPROACH SLAB AT DIAPHRAGM
(Looking South)



CURB SECTION MAIN SPANS
(Approach similar except watertable - See Detail A)

Notes:
 The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.
 Hatched areas indicate "Concrete Removal".
 Existing Longitudinal and vertical reinforcement bars extending into the new construction shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with "Concrete Removal".
 The cost of removing and disposing of the existing expansion joints, including steel angles is included with "Concrete Removal".

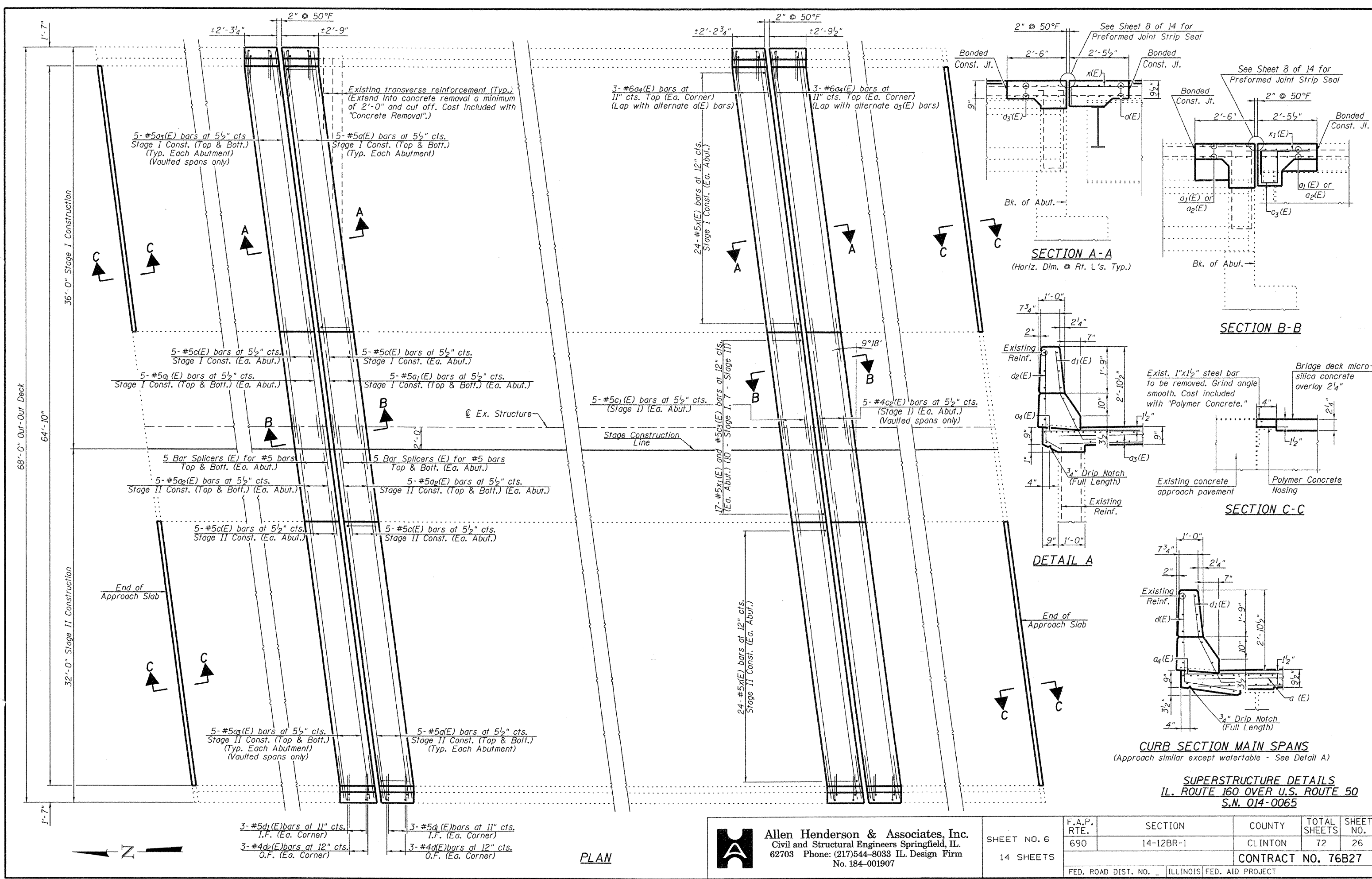
Note:
 Staging is for information only and is to be coordinated with roadway staging.



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 No. 184-001907

SHEET NO. 5 14 SHEETS	F.A.P. RTE. 690	SECTION 14-12BR-1	COUNTY CLINTON	TOTAL SHEETS 72	SHEET NO. 25
	CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

SUPERSTRUCTURE CONCRETE REMOVAL
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065



3- #5d1(E) bars at 11" cts.
I.F. (Ea. Corner)

3- #4d2(E) bars at 12" cts.
O.F. (Ea. Corner)

3- #5d1(E) bars at 11" cts.
I.F. (Ea. Corner)

3- #4d(E) bars at 12" cts.
O.F. (Ea. Corner)

PLAN



Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

SHEET NO. 6
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	26
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUPERSTRUCTURE DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065

CURB SECTION MAIN SPANS
(Approach similar except watertable - See Detail A)

SECTION A-A
(Horiz. Dim. @ Rt. L's. Typ.)

SECTION B-B

SECTION C-C

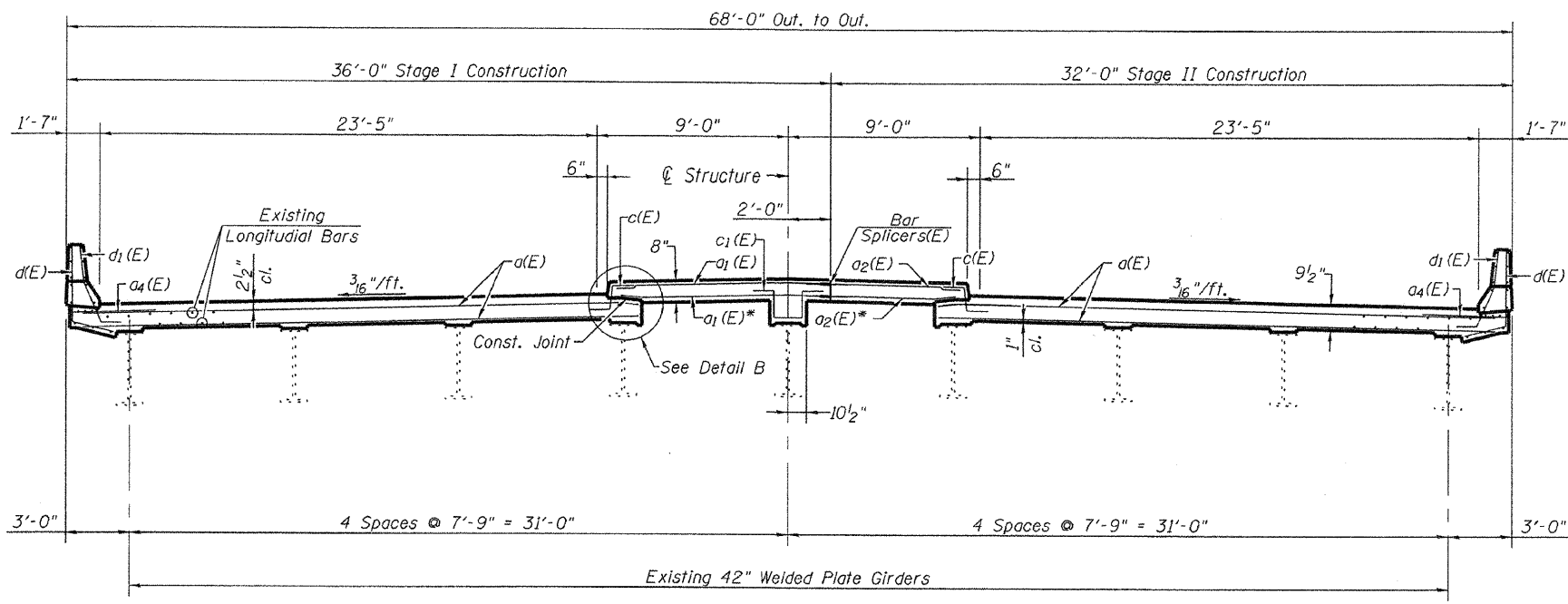
DETAIL A

Exist. 1"x1/2" steel bar to be removed. Grind angle smooth. Cost included with "Polymer Concrete."

Bridge deck micro-silica concrete overlay 2 1/4"

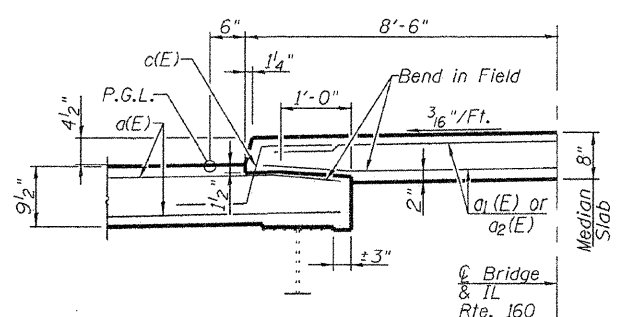
Existing concrete approach pavement

Polymer Concrete Nosing

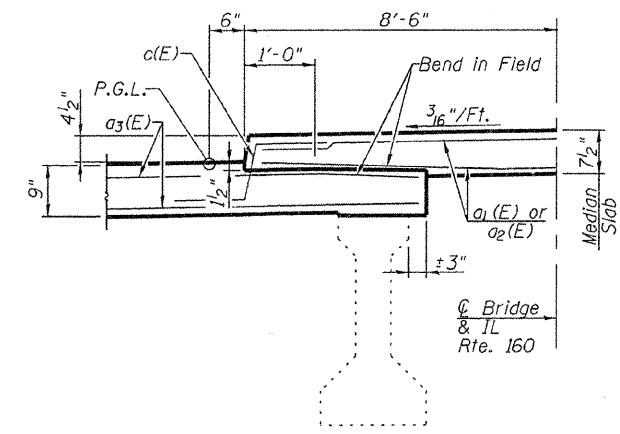


CROSS SECTION THRU SPAN AT END OF DECK
(Looking South)

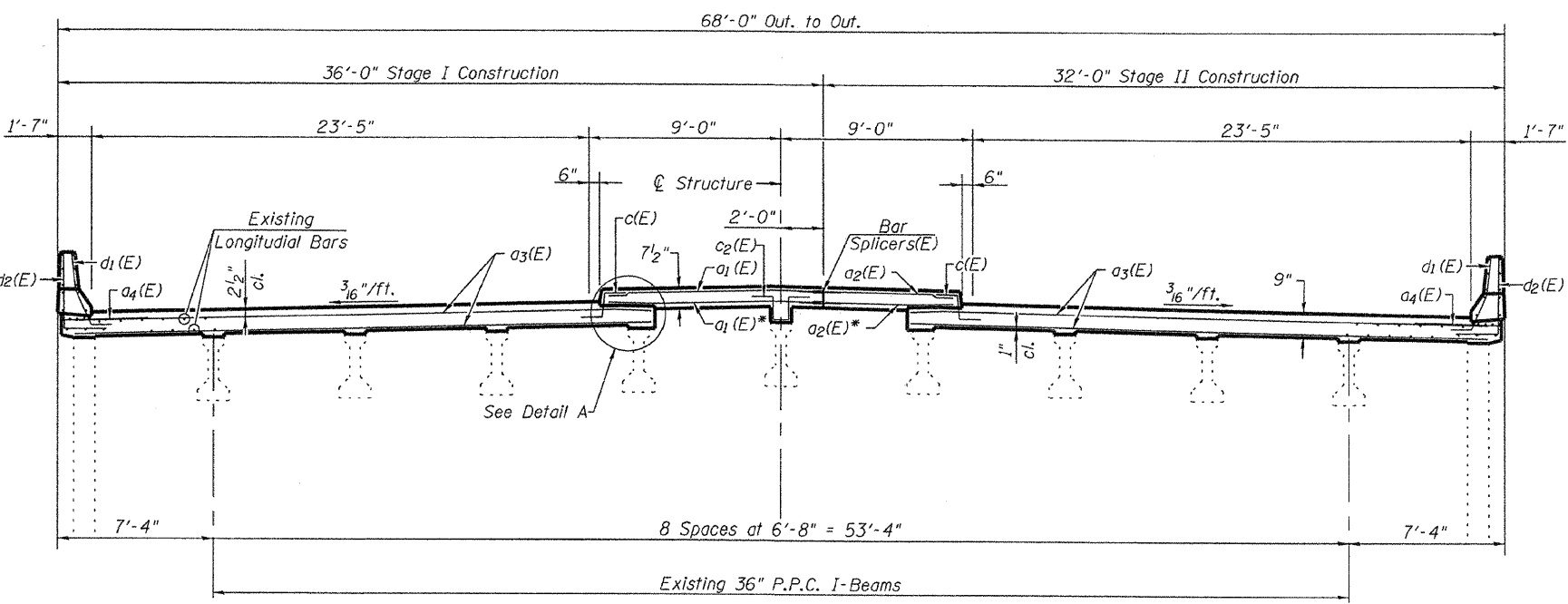
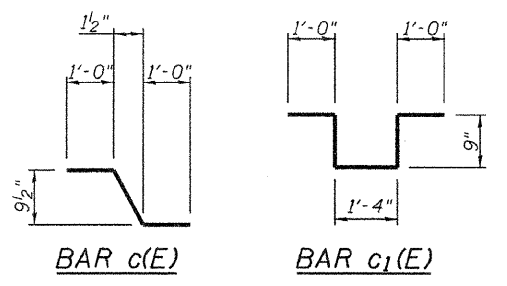
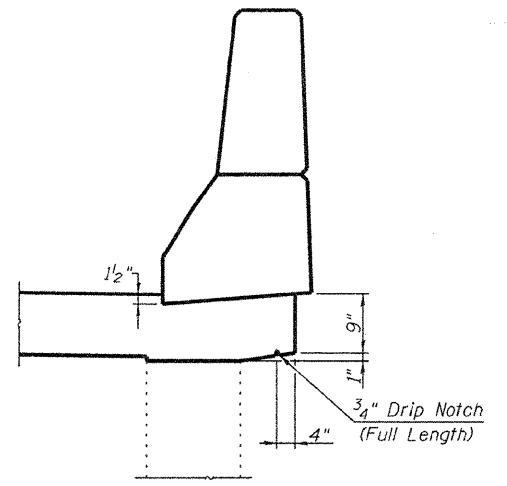
* Field bend $a_1(E)$ and $a_2(E)$ as required to facilitate placement



DETAIL B

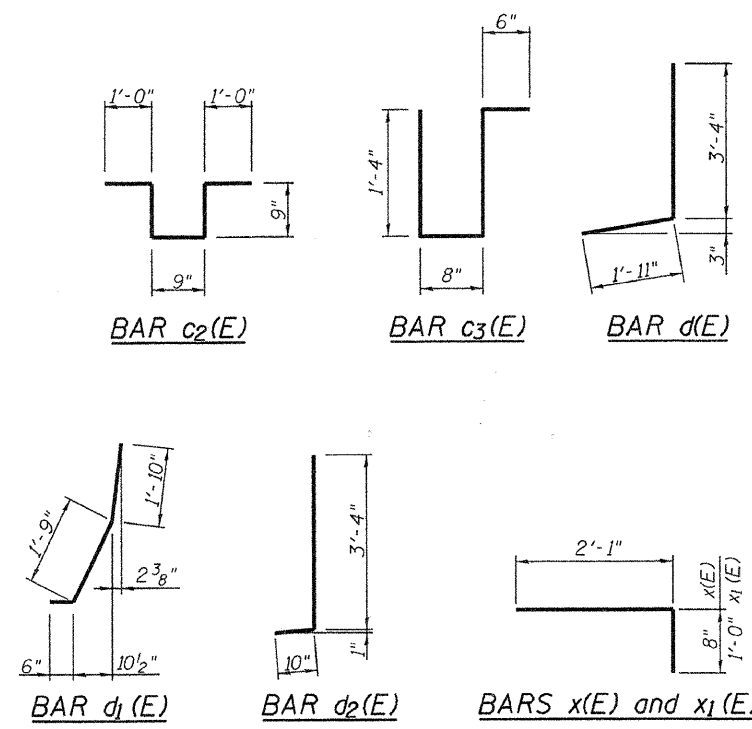


DETAIL A



CROSS SECTION THRU APPROACH SLAB AT DIAPHRAGM
(Looking South)

Notes:
Protective Coat shall be applied to the entire deck surface and as specified in Article 503.19 of the Standard Specifications, which includes the deck surface, top and inside faces of parapets, face of curbs, and top of median.

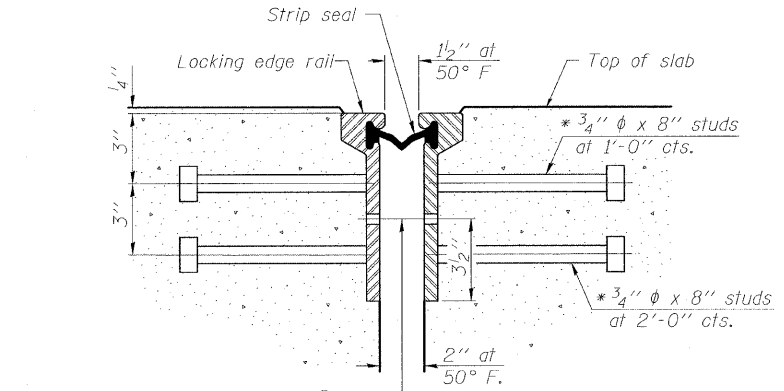


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a(E)$	40	#5	24'-6"	—
$a_1(E)$	40	#5	10'-1"	—
$a_2(E)$	40	#5	6'-1"	—
$a_3(E)$	40	#5	26'-10"	—
$a_4(E)$	24	#6	4'-0"	—
$c(E)$	40	#5	2'-10"	┌
$c_1(E)$	10	#5	4'-10"	┌
$c_2(E)$	10	#4	4'-3"	┌
$c_3(E)$	34	#5	3'-10"	┌
$d(E)$	12	#4	5'-3"	┌
$d_1(E)$	24	#5	4'-1"	┌
$d_2(E)$	12	#4	4'-2"	┌
$x(E)$	96	#5	2'-9"	┌
$x_1(E)$	34	#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated		Lbs.	3855	
Concrete Superstructure		Cu. Yd.	27.5	
Bar Splicers		Each	40	
Protective Coat		Sq. Yd.	1877	
Polymer Concrete		Cu. Ft.	4.0	

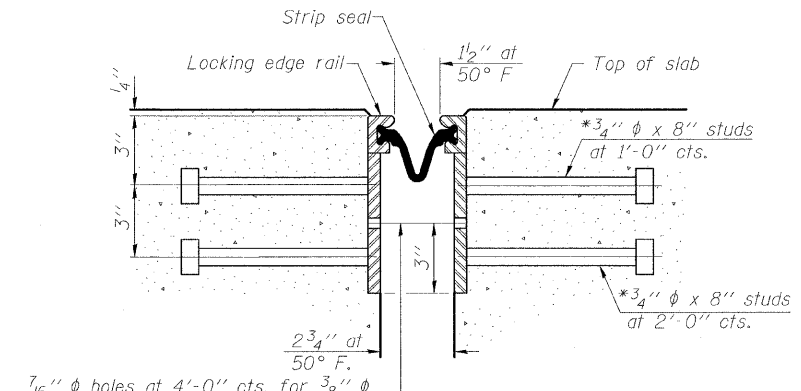
SUPERSTRUCTURE DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



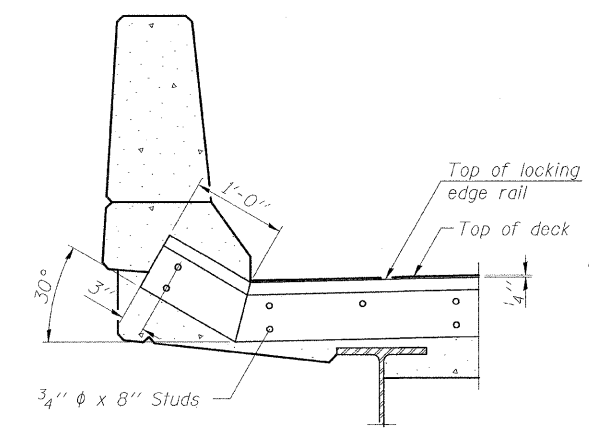
7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT

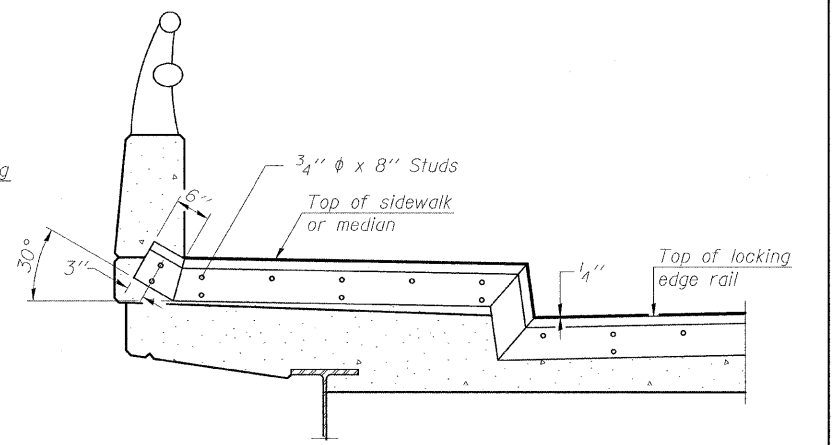


7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

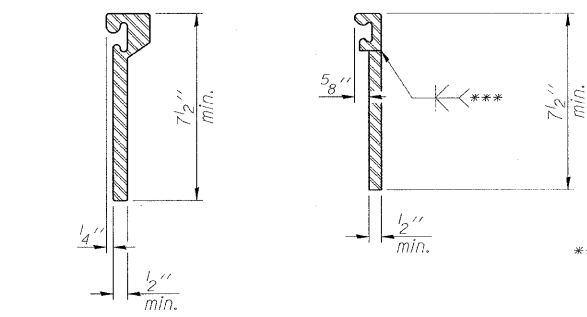


AT PARAPET
See Section A-A for end treatment of skews > 30°.

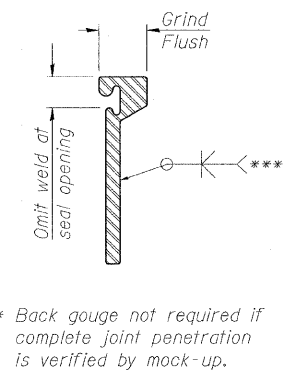


AT SIDEWALK OR MEDIAN
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

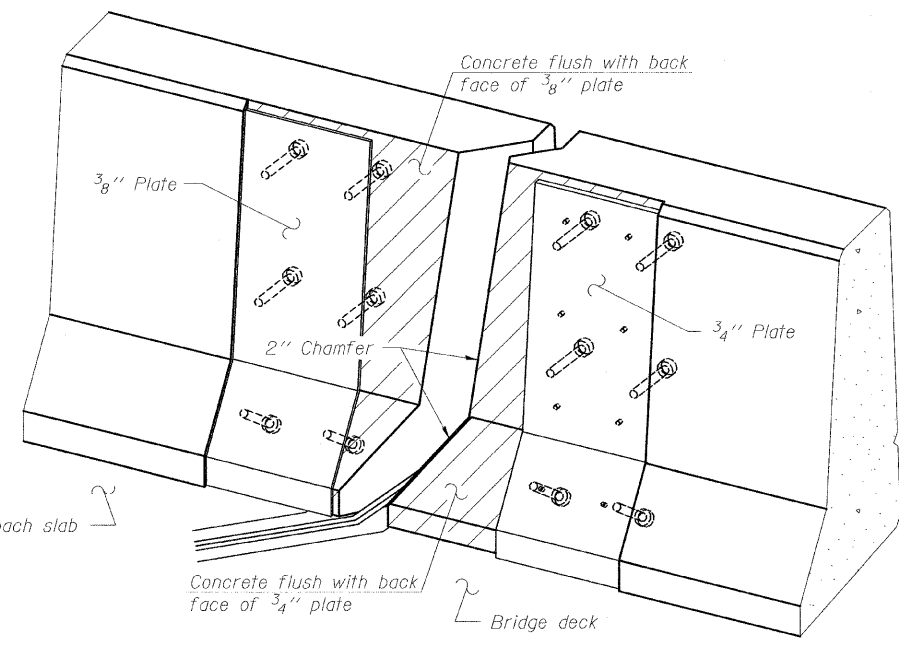
TYPICAL END TREATMENTS



ROLLED EXTRUDED RAIL WELDED RAIL



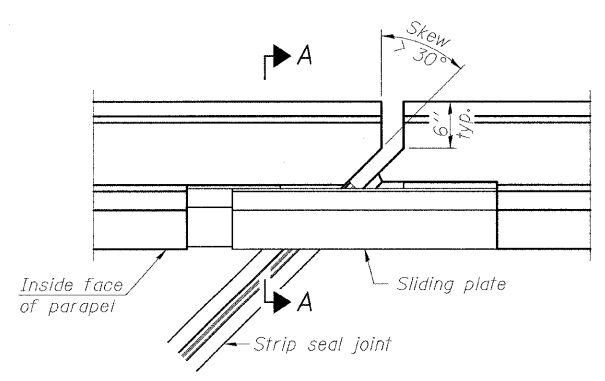
LOCKING EDGE RAIL SPLICE
The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.



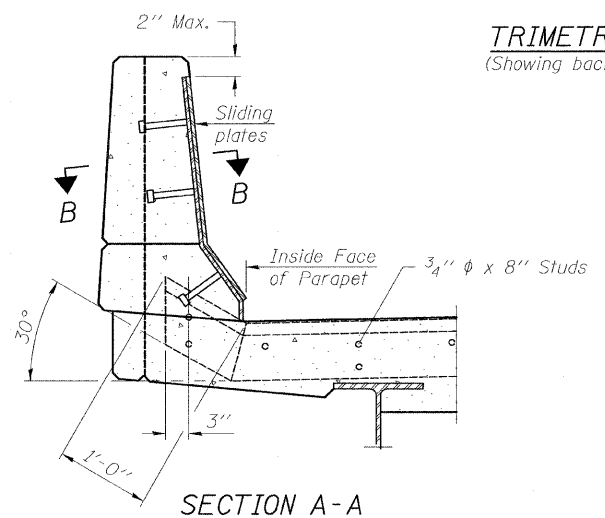
TRIMETRIC VIEW (Showing back plates only)

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

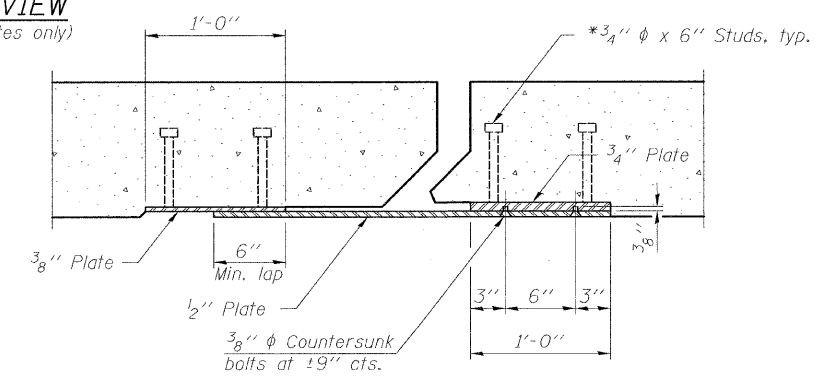
LOCKING EDGE RAILS



PLAN



POINT BLOCK DETAILS (for skews > 30°)



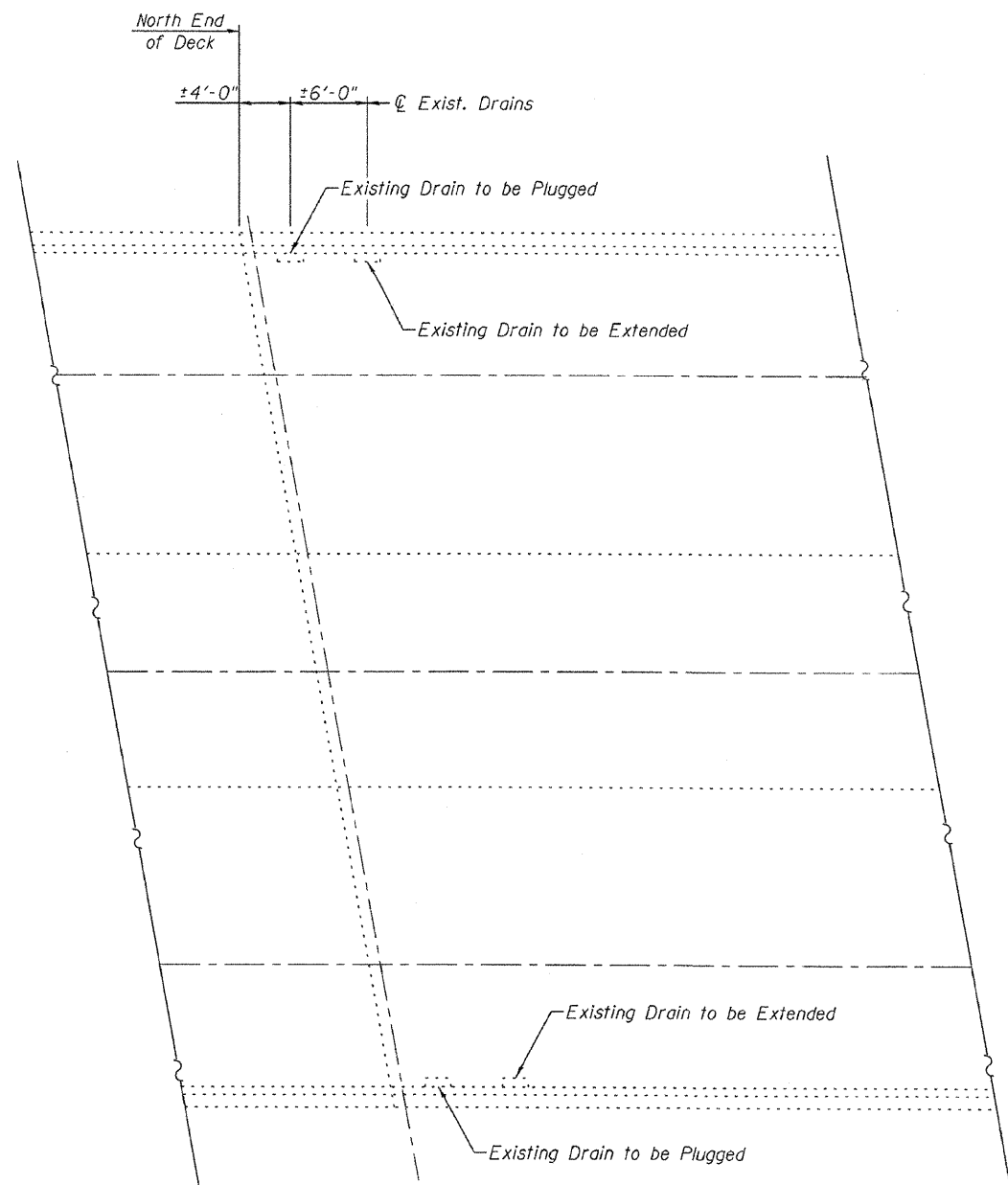
SECTION B-B

BILL OF MATERIAL

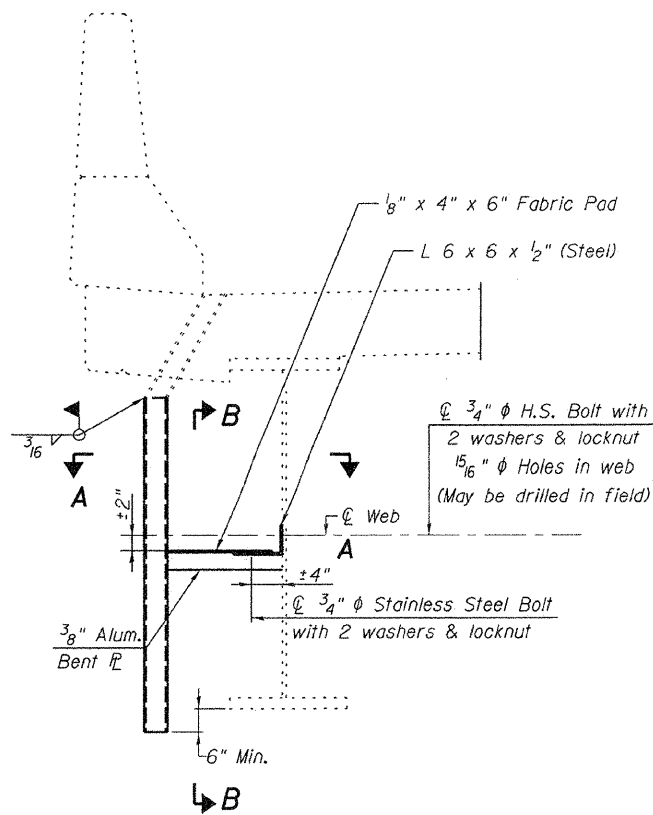
Item	Unit	Total
Preformed Joint Strip Seal	Foot	138

PREFORMED JOINT STRIP SEAL
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065

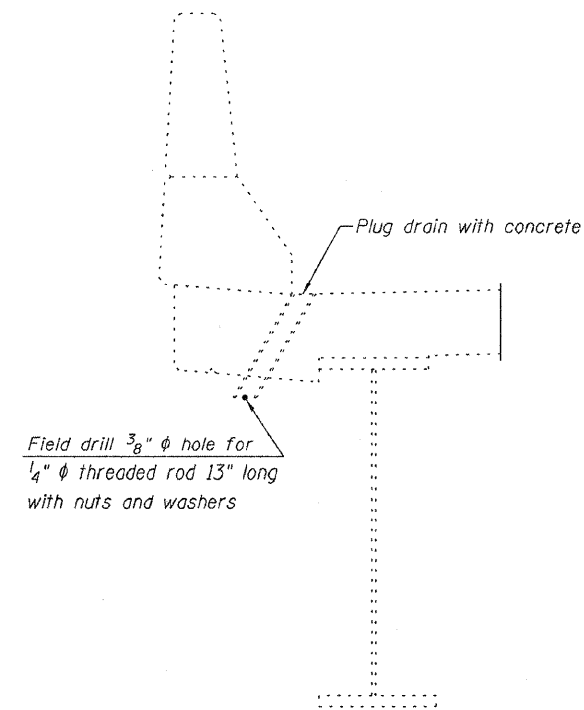
<p>Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p>	<p>SHEET NO. 8</p> <p>14 SHEETS</p>	<p>F.A.P. RTE.</p> <p>690</p>	<p>SECTION</p> <p>14-12BR-1</p>	<p>COUNTY</p> <p>CLINTON</p>	<p>TOTAL SHEETS</p> <p>72</p>	<p>SHEET NO.</p> <p>28</p>
		<p>CONTRACT NO. 76B27</p>				
		<p>FED. ROAD DIST. NO.</p>		<p>ILLINOIS</p>		<p>FED. AID PROJECT</p>



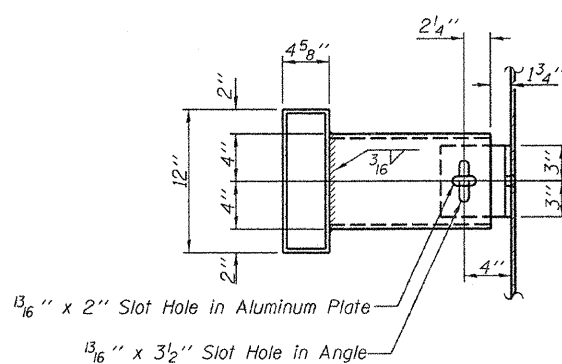
FLOOR DRAIN PLAN
(North end of bridge shown -
South end similar)



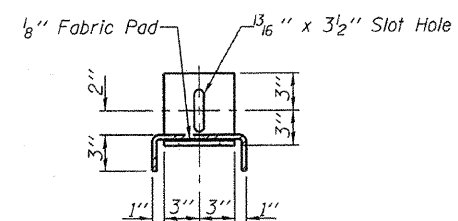
DRAIN EXTENSION DETAIL
(4 Required)



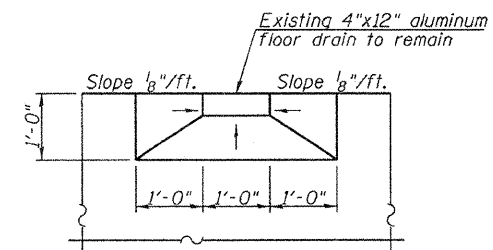
DRAIN ELIMINATION DETAIL
(4 Required)



SECTION A-A



SECTION B-B



DRAIN DETAIL

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Floor Drain Extension	Each	4
Plug Existing Deck Drains	Each	4

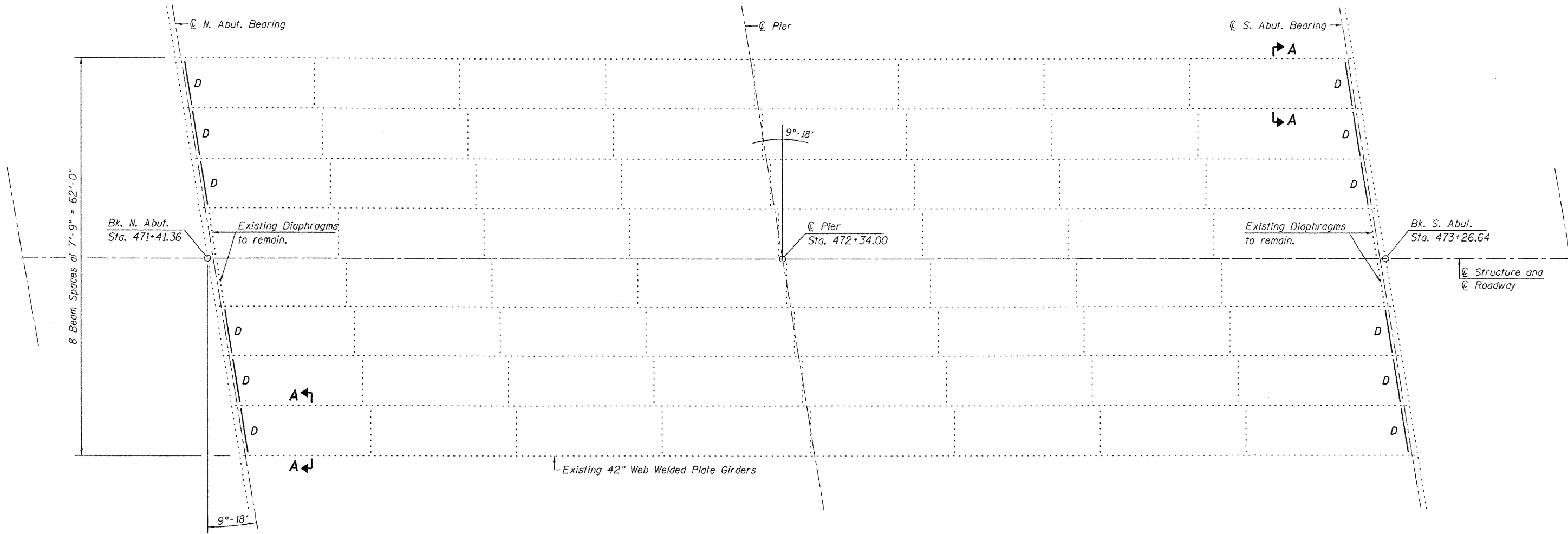
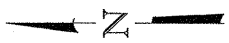
FLOOR DRAIN DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065



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Civil and Structural Engineers Springfield, IL.
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No. 184-001907

SHEET NO. 9
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	29
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		CONTRACT NO. 76B27

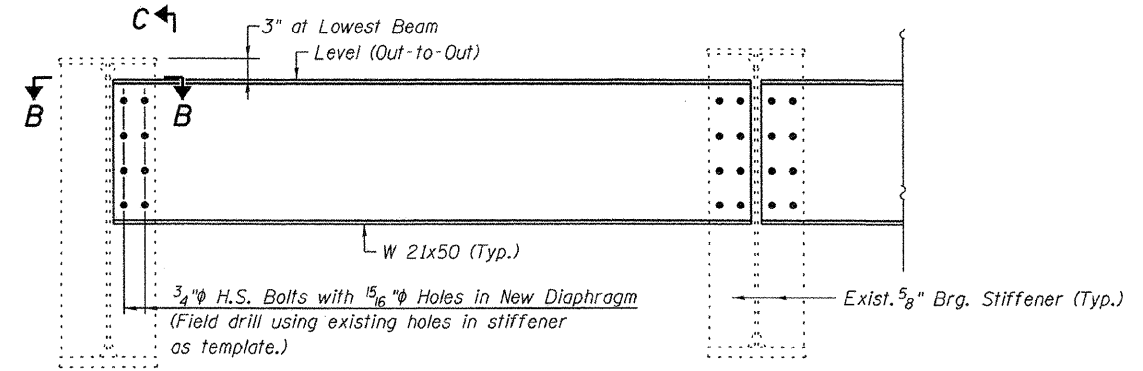


FRAMING PLAN

Diaphragm connection holes shall be $\frac{15}{16}$ " ϕ for $\frac{3}{4}$ " ϕ bolts. Two hardened washers shall be required at each diaphragm connection.

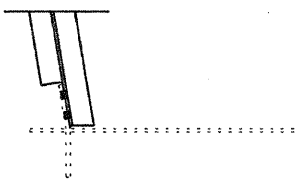
BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting	Pound	4770
Structural Steel	Pound	4770
Structural Steel Removal	Pound	4770

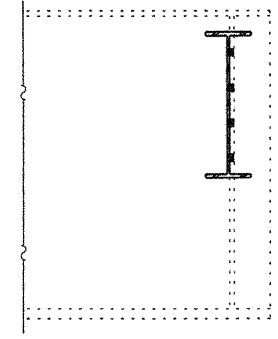


SECTION A-A

(Diaphragm 'D' - 12 Required)



SECTION B-B



SECTION C-C

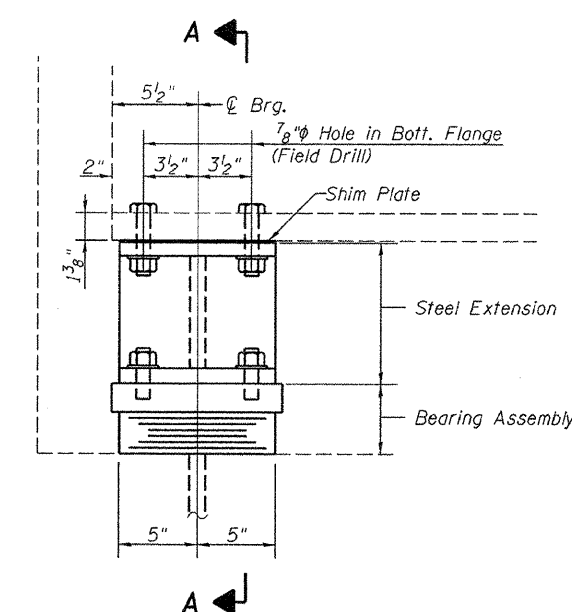
**STRUCTURAL STEEL DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
SN. 014-0065**



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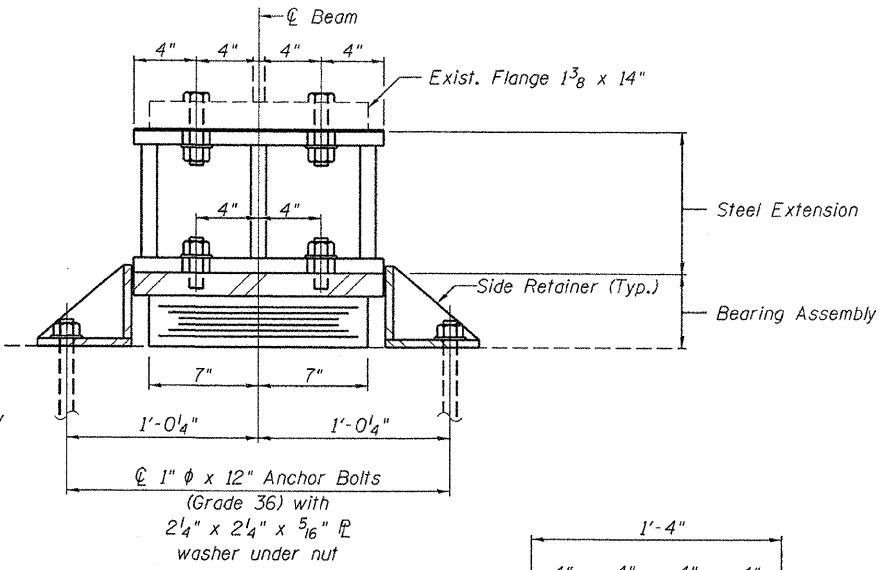
SHEET NO. 10
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	30
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

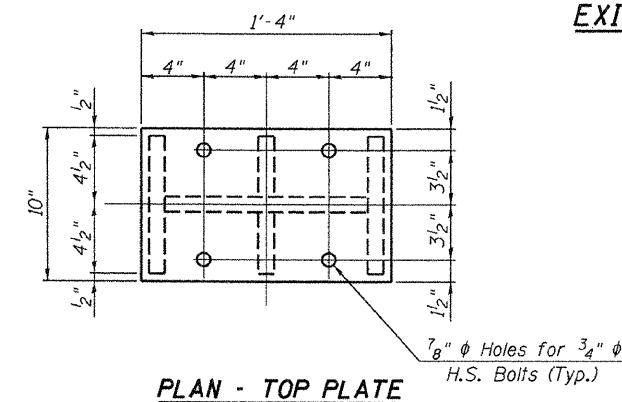


ELEVATION AT ABUTMENT

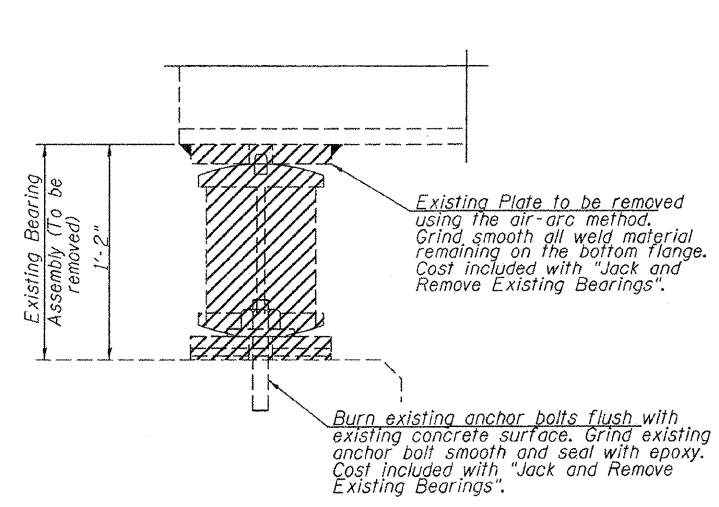
TYPE I ELASTOMERIC EXP. BRG.



SECTION A-A



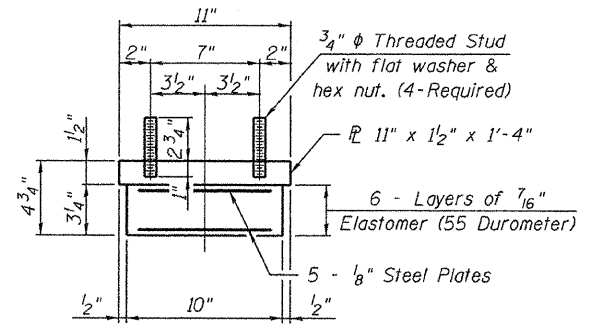
PLAN - TOP PLATE



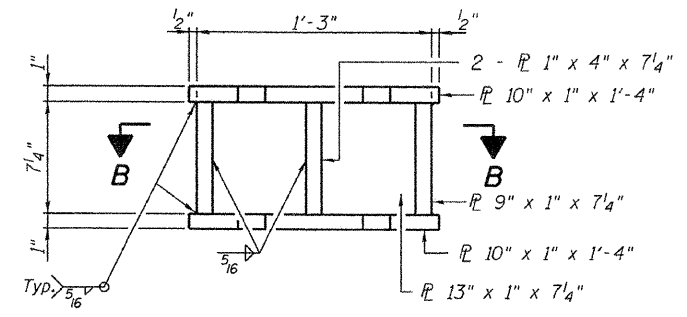
EXISTING BEARING REMOVAL DETAIL

Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 Existing bearings at the abutments shall be removed and replaced according to the plans. Jacking shall be according to the Special Provision for "Jack and Remove Existing Bearings". If web stiffeners are not present directly over the jack location, hardwood timbers shall be installed tightly between top and bottom flanges to prevent rotation. The abutment bearings shall be in place and the jacks lowered before the new concrete deck is poured at the abutments.
 Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included with Furnishing and Erecting Structural Steel.
 New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
 Prior to ordering any material, The Contractor shall verify in the field all bearing heights.
 The structural steel bearing plates for the expansion bearings shall conform to the requirements of AASHTO M270 Grade 50.

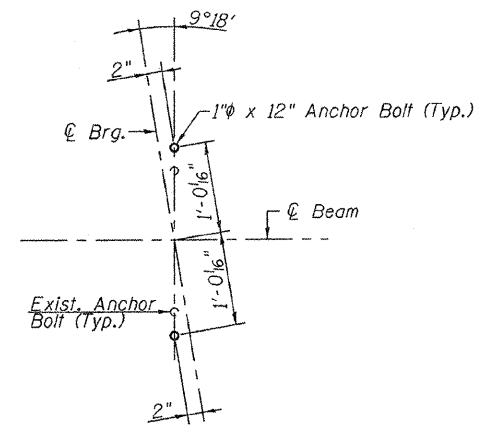
INTERIOR GIRDER REACTION TABLE		
R (DL)	(K)	46.4
R (LL)	(K)	49.0
R (IMP)	(K)	11.1
R (TOTAL)	(K)	106.5
Minimum Jack Capacity	(Tons)	38



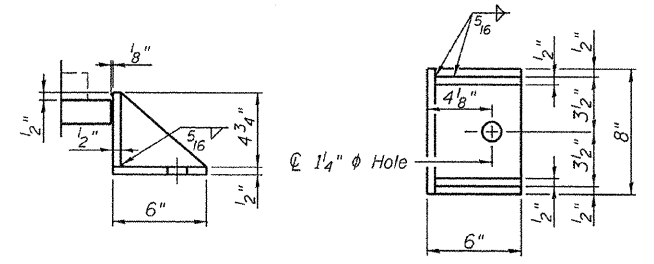
BEARING ASSEMBLY



ELEVATION STEEL EXTENSION

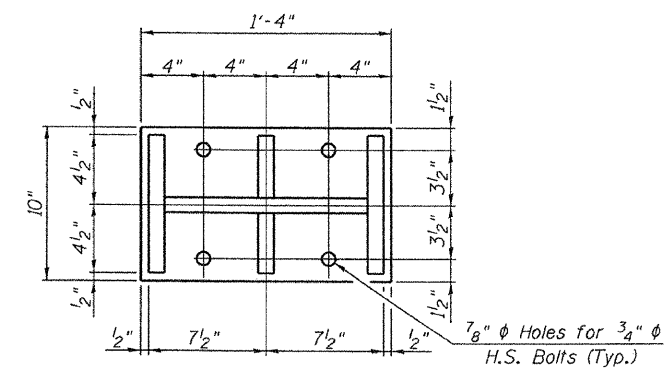


ANCHOR BOLT SETTING DETAIL



SIDE RETAINER

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



SECTION B-B

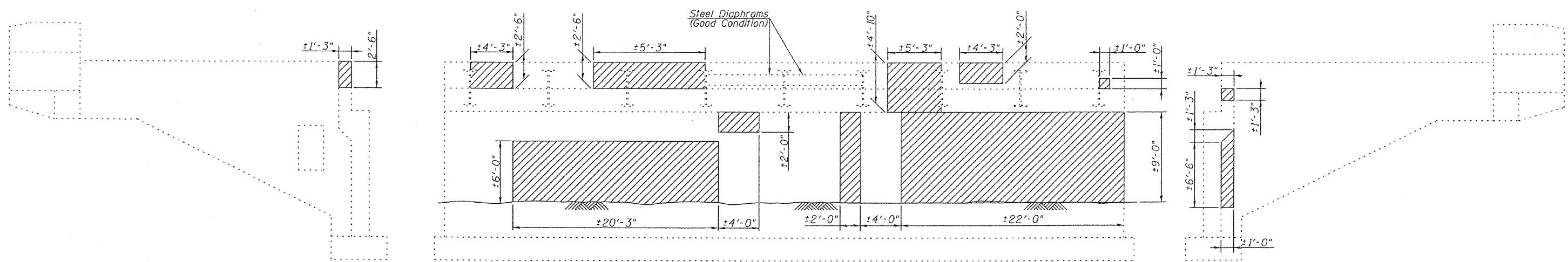
BILL OF MATERIAL		
Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	18
Anchor Bolts, 1"	Each	36
Jack and Remove Existing Bearings	Each	18
Furnishing and Erecting Structural Steel	Pound	3270

BEARING DETAILS
 IL. ROUTE 160 OVER U.S. ROUTE 50
 S.N. 014-0065

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 No. 184-001907

SHEET NO. 11
 14 SHEETS

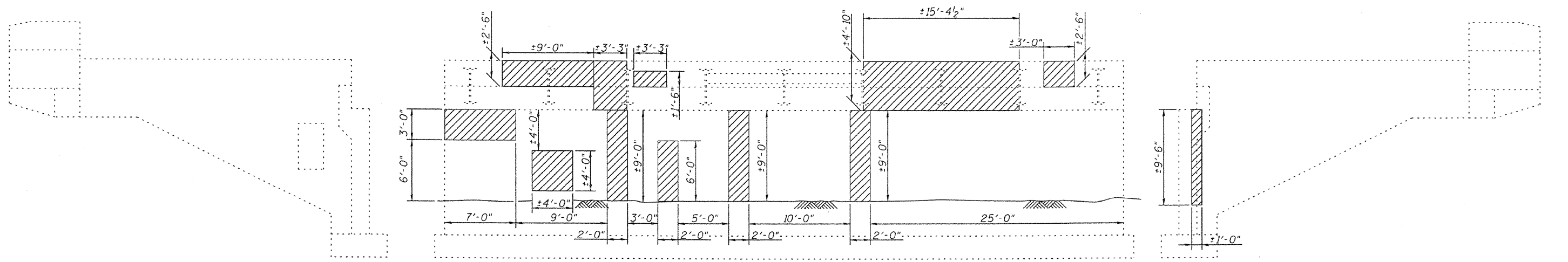
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	31
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		



N.W. WINGWALL
(Looking East)

NORTH ABUTMENT
(Looking North)

N.E. WINGWALL
(Looking West)



S.E. WINGWALL
(Looking West)

SOUTH ABUTMENT
(Looking South)


S.W. WINGWALL
(Looking East)

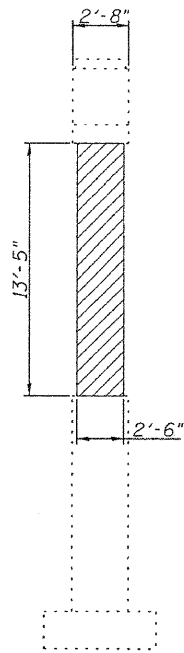
BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	654

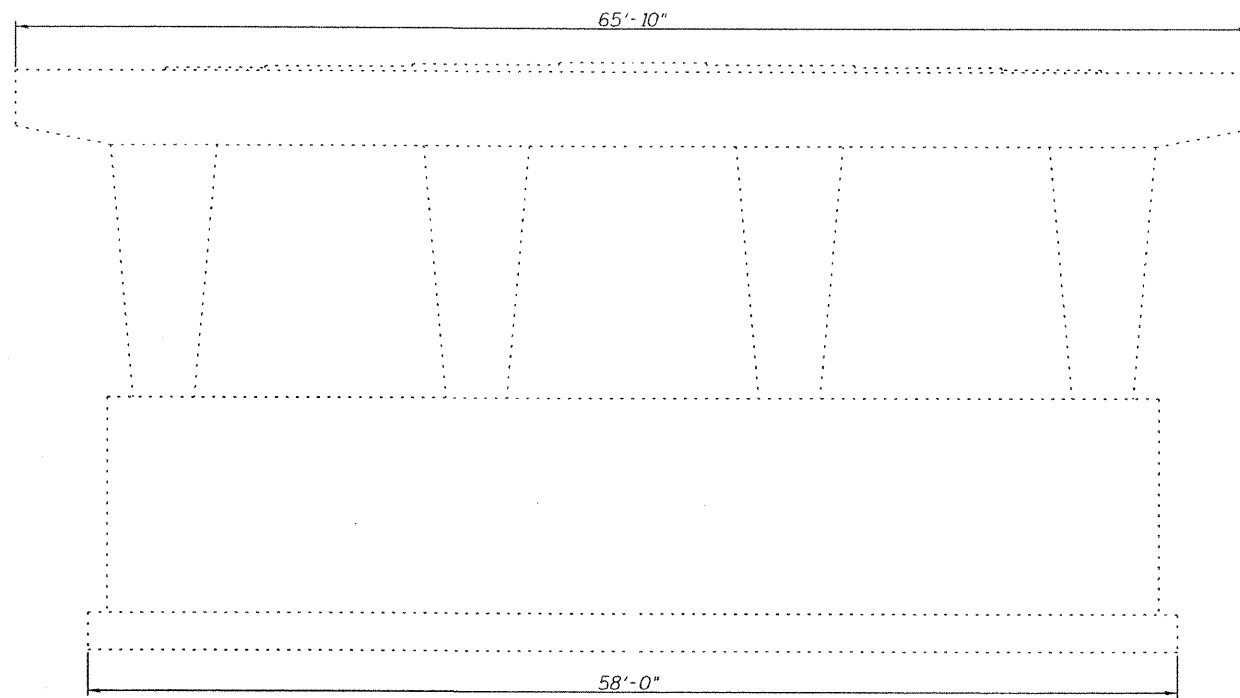
Notes: Hatched area indicates approximate area of Structural Repair of Concrete. Exact repairs are to be determined by the Engineer. All existing abutment seats shall be cleaned & sealed. Work will be paid for as Cleaning Bridge Seats.

ABUTMENT CONCRETE REPAIR DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065

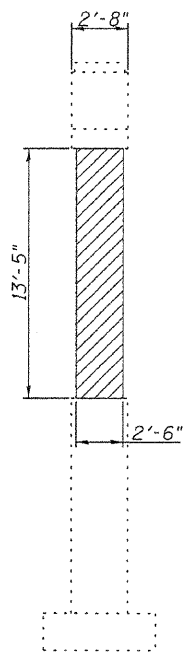
 Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907	SHEET NO. 12	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	690	14-12BR-1	CLINTON	72	32
				CONTRACT NO. 76B27		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT						



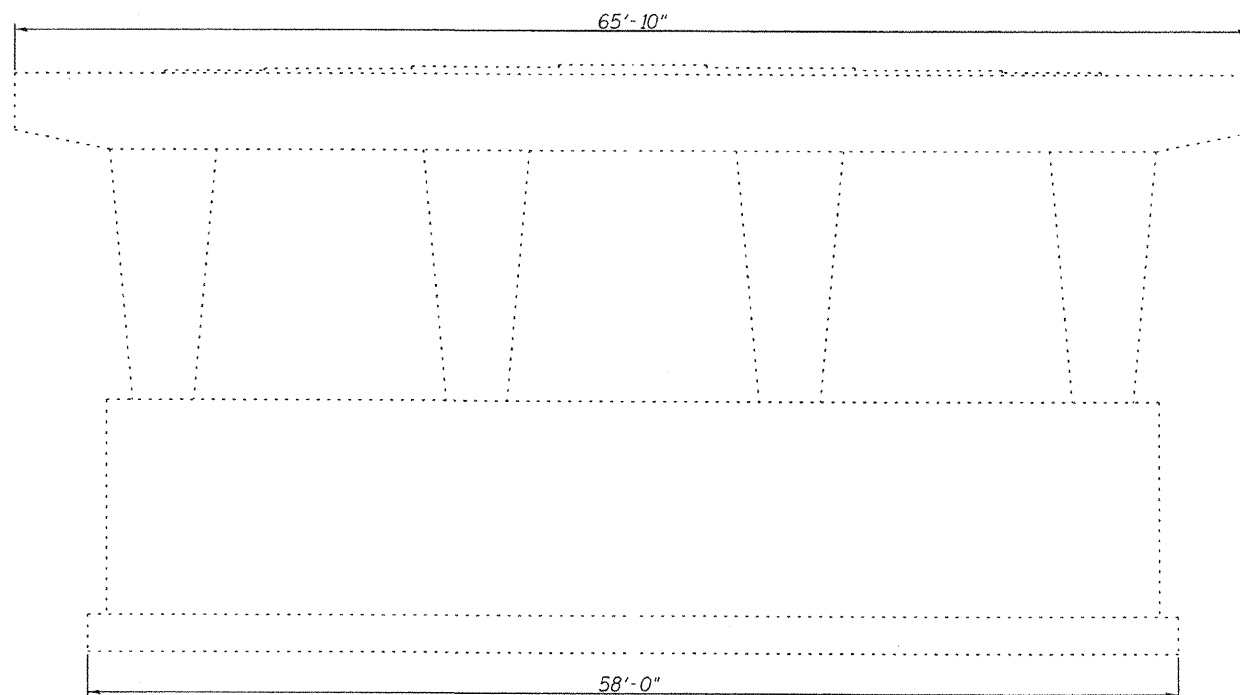
WEST END
(Looking East)



ELEVATION
(Looking North)



EAST END
(Looking West)



ELEVATION
(Looking South)

Notes: Hatched area indicates approximate area of Structural Repair of Concrete.
Exact repairs are to be determined by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	67

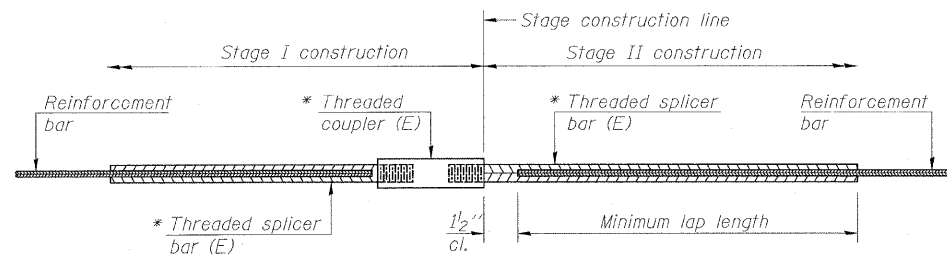
PIER CONCRETE REPAIR DETAILS
IL. ROUTE 160 OVER U.S. ROUTE 50
S.N. 014-0065



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Civil and Structural Engineers Springfield, IL
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No. 184-001907

SHEET NO. 13
14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	14-12BR-1	CLINTON	72	33
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



STANDARD BAR SPLICER ASSEMBLY

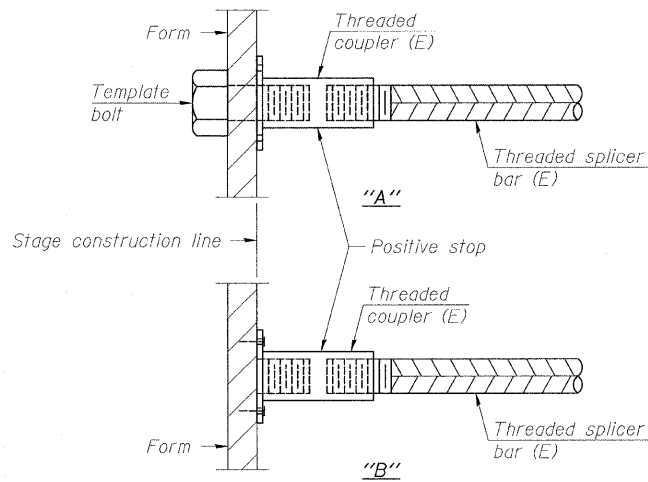
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
 Table 2: Black bar, Top bar lap, 0.8 Class C
 Table 3: Epoxy bar, 0.8 Class C
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

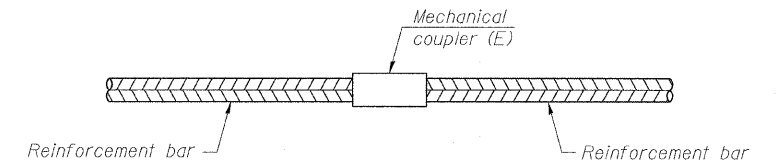
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	40	4



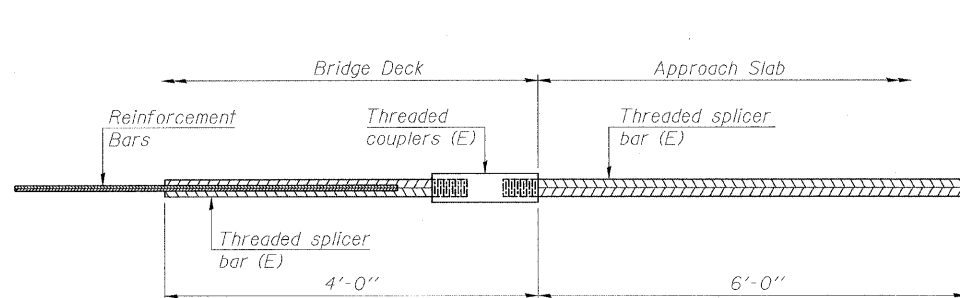
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



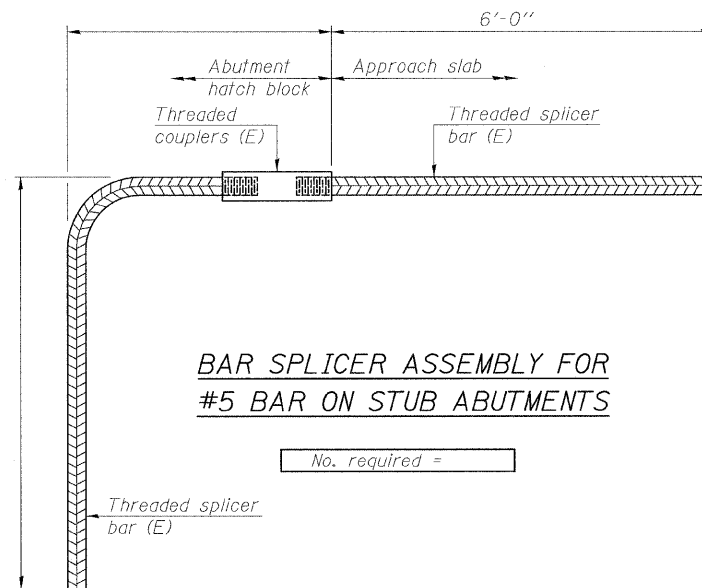
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

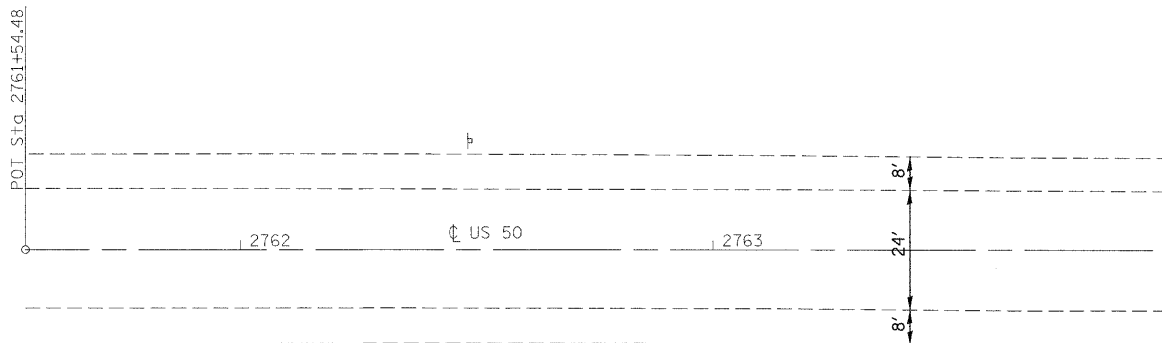
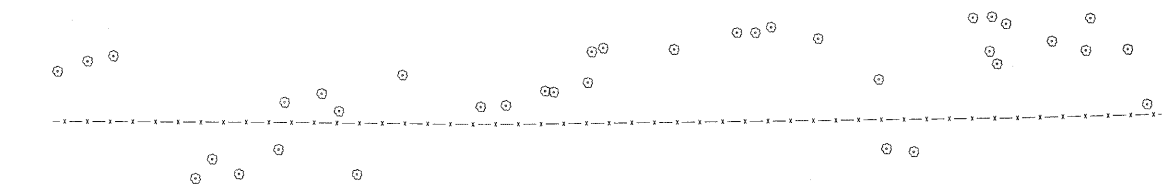
No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER DETAILS
 IL. ROUTE 160 OVER U.S. ROUTE 50
 S.N. 014-0065





MATCHLINE 2764+00

- TBT-T1 (SPECIAL)
- 1 EACH
- GUARDRAIL REMOVAL - 47.75 FT
- SPBGR-TA
- 1.2 FT

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
ct\pwork\pwwid\MANNTM\dms52470\p1-10207b.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/8/2009	DATE -	REVISED -

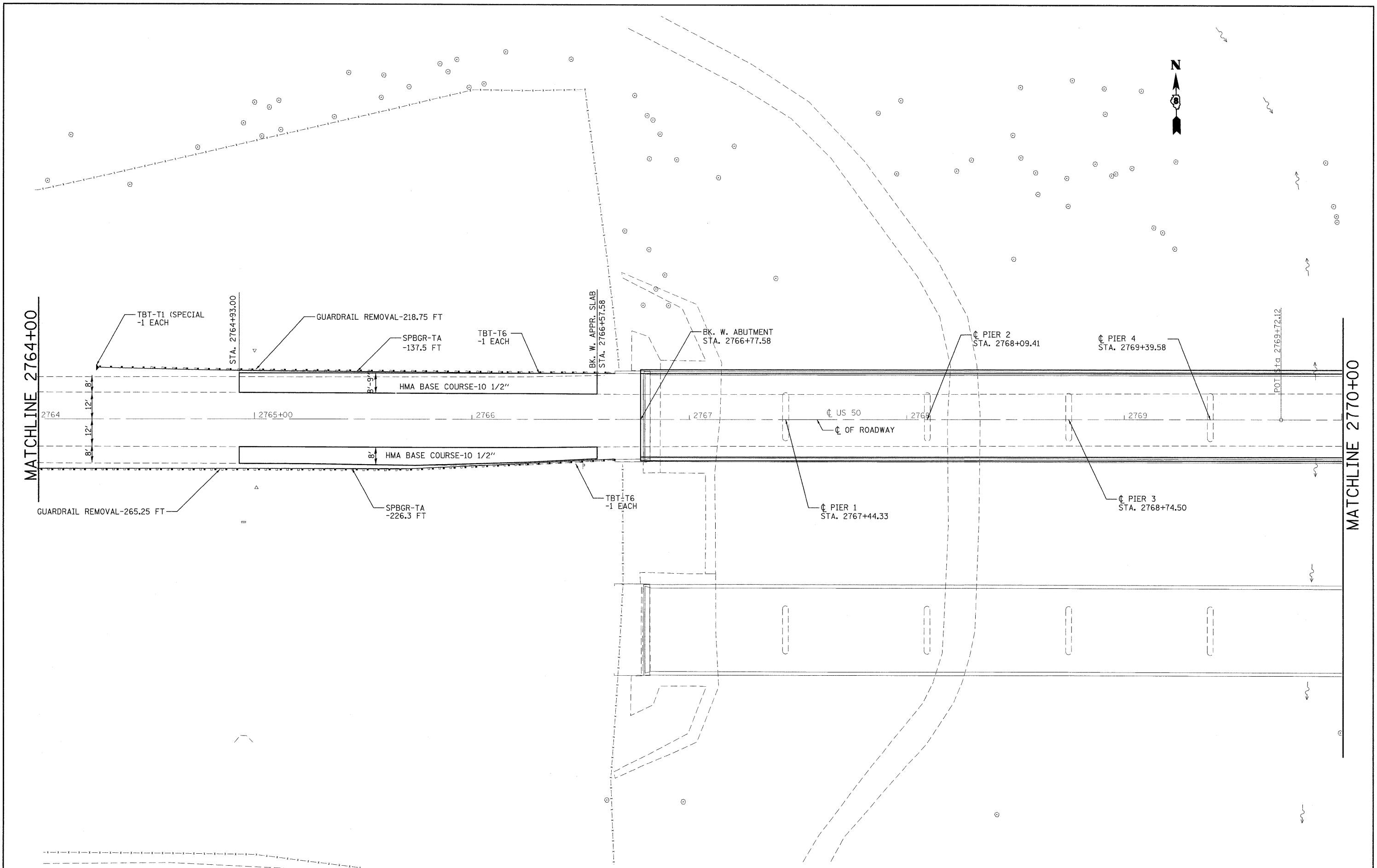
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW - LOCATION 2

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 2761+50 TO STA. 2764+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	35
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 76B27



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/3/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS - LOCATION 2

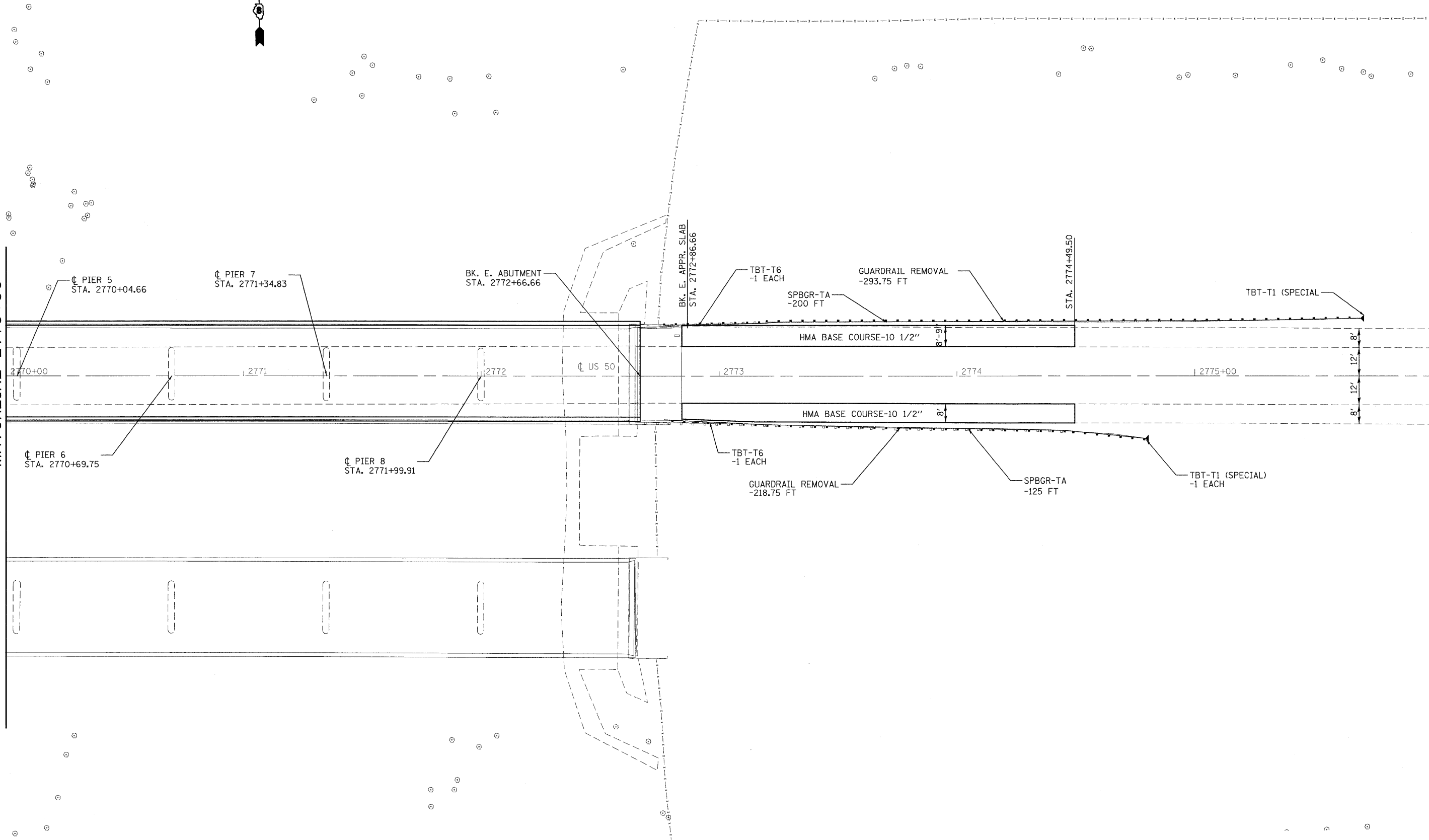
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 2764+00 TO STA. 2770+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	36
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



MATCHLINE 2770+00

MATCHLINE 2776+00



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
ca\pwork\p\WIDOT\MANNITM\dms52478\p1n14287b.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/8/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS - LOCATION 2

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 2770+00 TO STA. 2776+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	37
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

PRESTAGE CONSTRUCTION:

- PRESTAGE CONSTRUCTION SHALL CONSIST OF REMOVAL OF THE EXISTING SHOULDER AND EXISTING GUARDRAIL ON THE EAST SIDE OF THE PAVEMENT TO THE LIMITS SHOWN ON THE PLANS, TEMPORARILY FILLING THE EXISTING APPROACH INLET WITH SAND, AND CONSTRUCTING THE WIDENING NECESSARY FOR STAGE I TRAFFIC.
- THE PROPOSED WIDENING SHALL CONSIST OF HOT-MIX ASPHALT BASE COURSE - 10 1/2" AND SHALL INCLUDE PLACING EARTH EXCAVATION AGAINST THE WIDENING TO DRAIN.
- TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701326. ONE LANE OF TRAFFIC IN BOTH DIRECTIONS SHALL BE OPEN TO TRAFFIC AT ALL TIMES DURING THE PRESTAGE CONSTRUCTION.

STAGE I CONSTRUCTION:

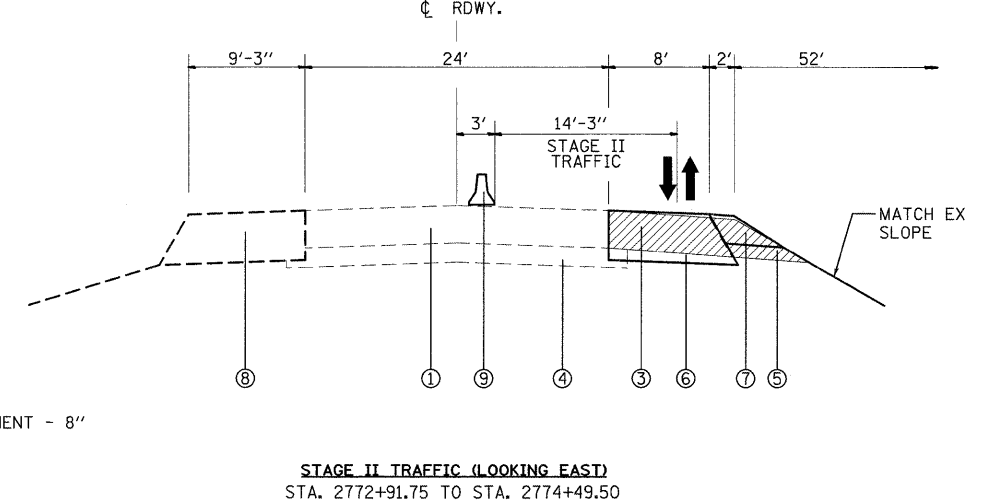
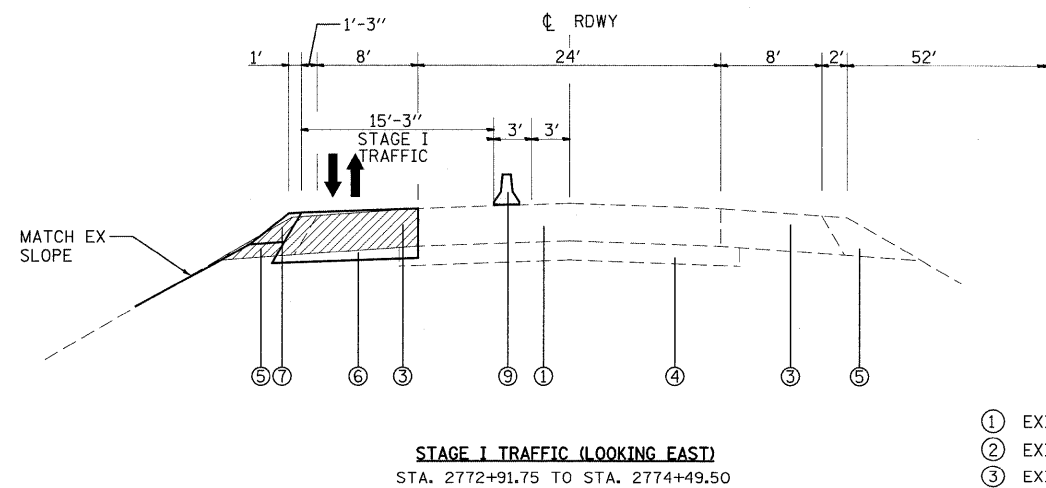
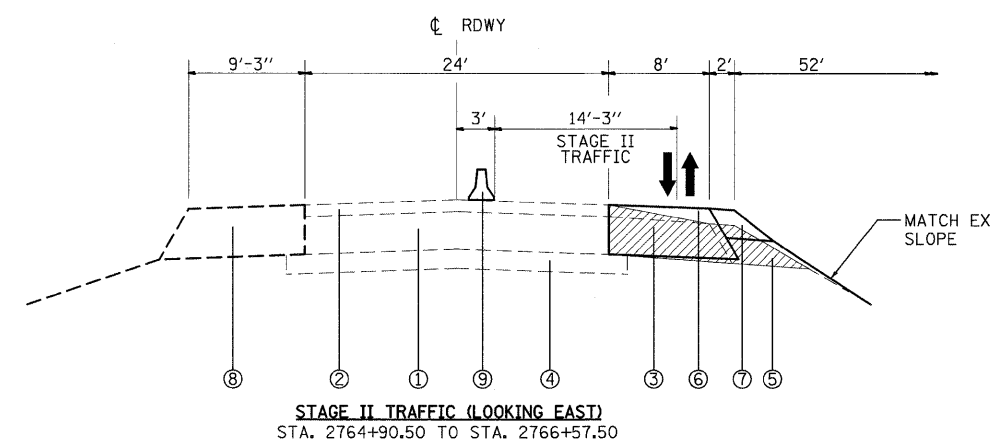
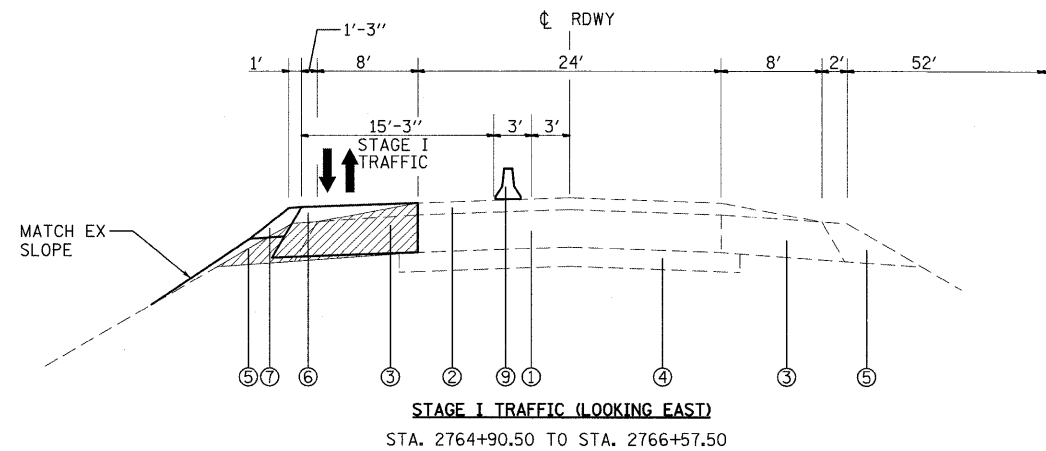
- STAGE I CONSTRUCTION SHALL CONSIST OF STAGE I BRIDGE REPAIRS, REMOVAL OF THE EXISTING SHOULDER AND GUARDRAIL ON THE WEST SIDE OF THE PAVEMENT TO THE LIMITS SHOWN IN THE PLANS, CONSTRUCTING THE WIDENING NECESSARY FOR STAGE II TRAFFIC, GUARDRAIL UPGRADE, AND PLACING THE PROPOSED AGGREGATE SHOULDER.
- THE PROPOSED WIDENING SHALL CONSIST OF HOT-MIX ASPHALT BASE COURSE - 10 1/2" AND SHALL INCLUDE PLACING EARTH EXCAVATION AGAINST THE WIDENING TO DRAIN.
- TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.

STAGE II CONSTRUCTION:

- STAGE II CONSTRUCTION SHALL CONSIST OF STAGE II BRIDGE REPAIRS, GUARDRAIL UPGRADE, AND REMOVAL OF THE TEMPORARY SANDFILL FOR THE INLET. THE CONTRACTOR SHALL ENSURE THAT PROPER DRAINAGE IS RESTORED TO THE INLET AND PIPE PRIOR TO COMPLETION OF STAGE II CONSTRUCTION.
- TRAFFIC CONTROL FOR THIS WORK WILL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.

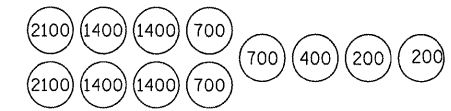
NOTES:

- CONFLICTING PAVEMENT MARKING SHALL BE REMOVED PRIOR TO PLACING PAVEMENT MARKING NECESSARY FOR STAGE CONSTRUCTION. THE COST FOR THIS SHALL BE INCLUDED IN THE APPLICABLE TRAFFIC CONTROL AND PROTECTION STANDARD.
- THIS PROJECT WILL REQUIRE TEMPORARY RUMBLE STRIP.
- THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER SHALL BE PAINTED WITH TEMPORARY PAVEMENT MARKING "WHITE". THE COST FOR THIS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.
- IF THE CONTRACTOR CHOOSES THE OPTION OF SAND MODULE IMPACT ATTENUATORS THEN THE LAYOUT SHOWN WILL BE USED.
- PLACING AND REMOVAL OF THE TEMPORARY SAND FILL FOR THE EXISTING INLETS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

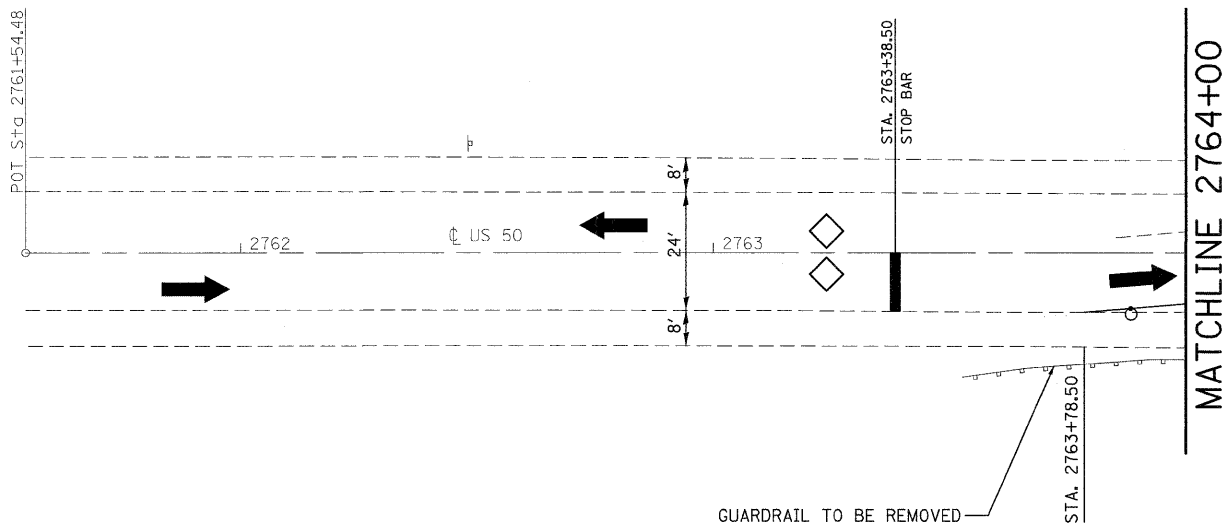
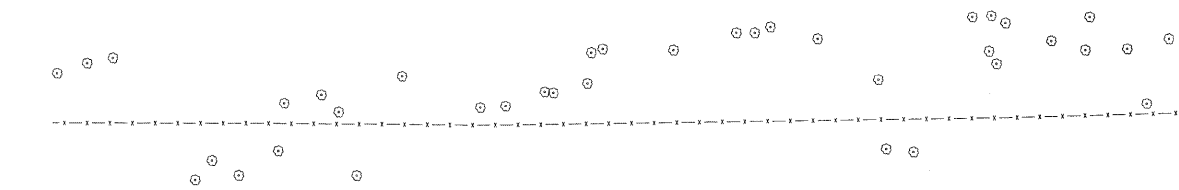


LEGEND

- ① EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT - 8"
- ② EXISTING HMA RESURFACING - 3"
- ③ EXISTING HMA SHOULDER - 8"
- ④ EXISTING STABILIZED SUB-BASE - 4"
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HMA BASE COURSE WIDENING - 10 1/2"
- ⑦ PROPOSED AGGREGATE SHOULDER, TYPE B - 6"
- ⑧ HMA BASE COURSE WIDENING PLACED IN PRESTAGE CONSTRUCTION
- ⑨ TEMPORARY CONCRETE BARRIER



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION - LOCATON 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cz:\pwork\pwidot\manntm\dms52470\p110207b.dgn	DRAWN -	REVISED -	327					14-12BR-1	CLINTON	72	38	
PLOT SCALE = 20.2000 1/ IN.	CHECKED -	REVISED -	CONTRACT NO. 76B27									
PLOT DATE = 12/23/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									
				SCALE: NO SCALE	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.					



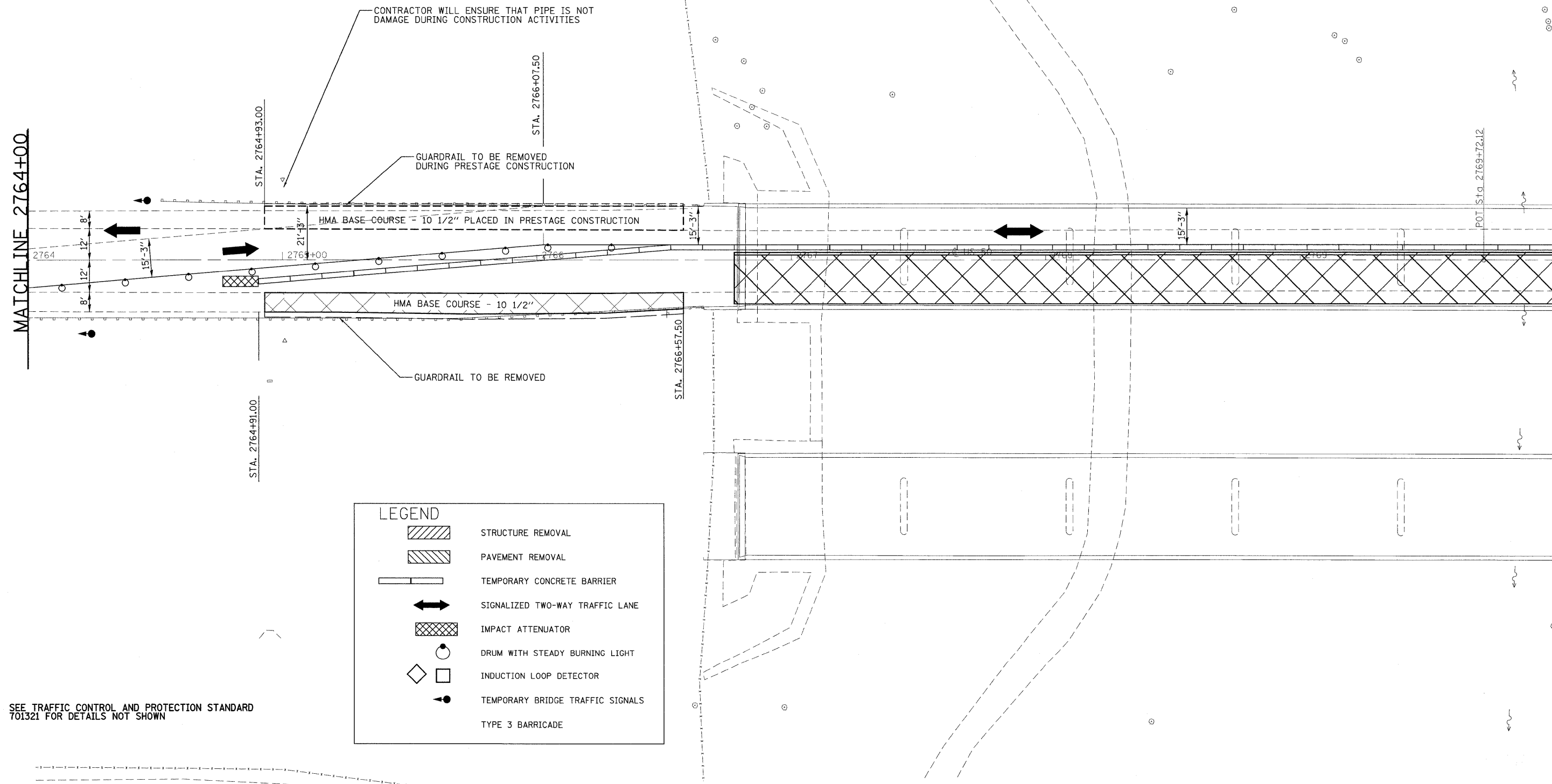
LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION - LOCATION 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwidot\manntm\dms52470\p1n10207b.dgn	PLOT SCALE = 20.0000 ' / IN.	DRAWN -	REVISED -					327	14-12BR-1	CLINTON	72	39
	PLOT DATE = 12/8/2009	CHECKED -	REVISED -		SCALE: 1" = 20' SHEET NO. 2 OF 7 SHEETS STA. 2761+50 TO STA. 2764+00			CONTRACT NO. 76B27				
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

MATCHLINE 2764+00

MATCHLINE 2770+00



LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE

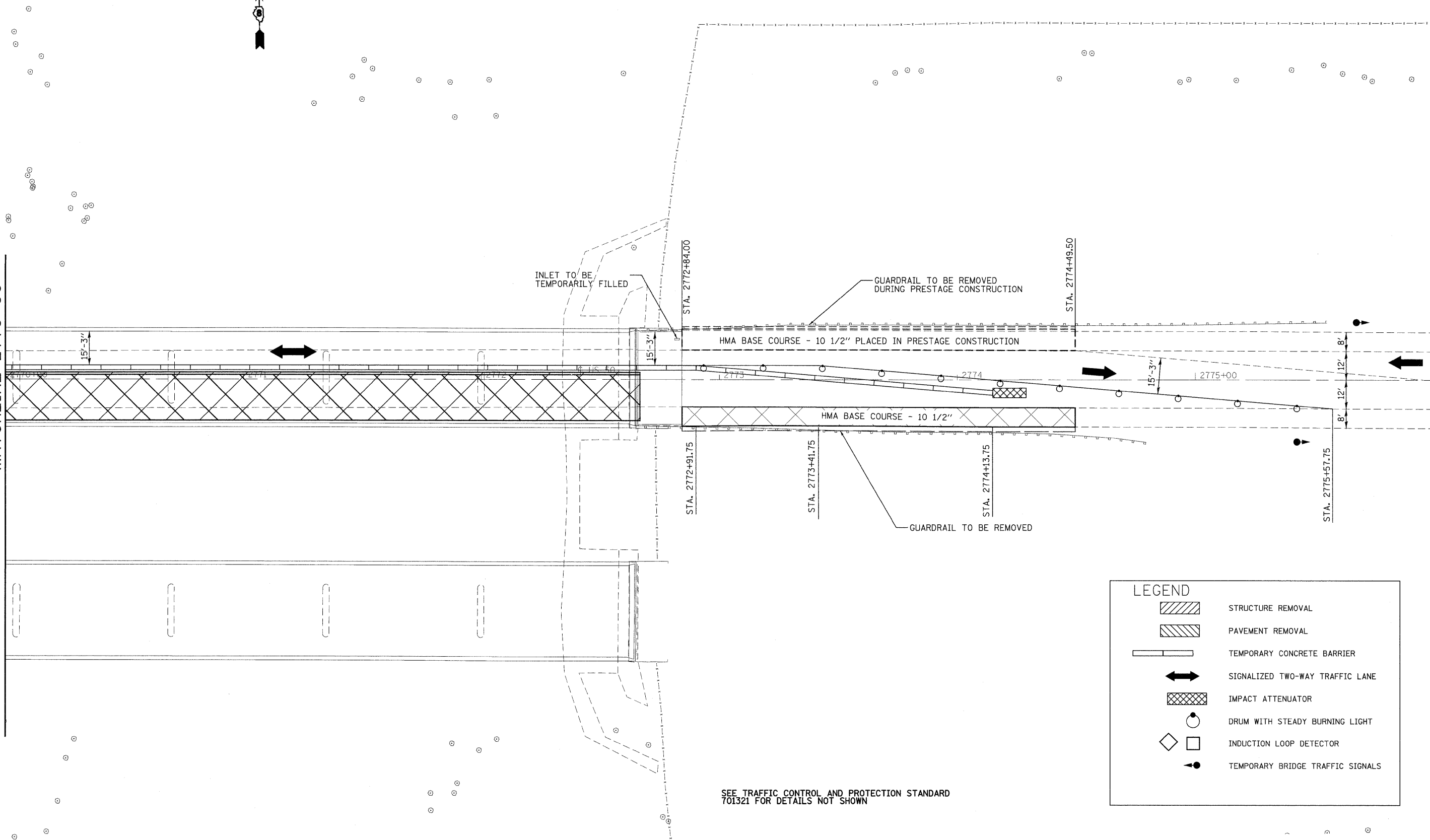
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION - LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pwork\pwidot\manntm\dms52470\pin18207b.dgn	207b.dgn	DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	40	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27					
PLOT DATE = 12/8/2009		DATE -	REVISED -			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 20'	SHEET NO. 3 OF 7 SHEETS	STA. 2764+00	TO STA. 2770+00				



MATCHLINE 2770+00

MATCHLINE 2776+00



SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
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	PLOT DATE = 12/8/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

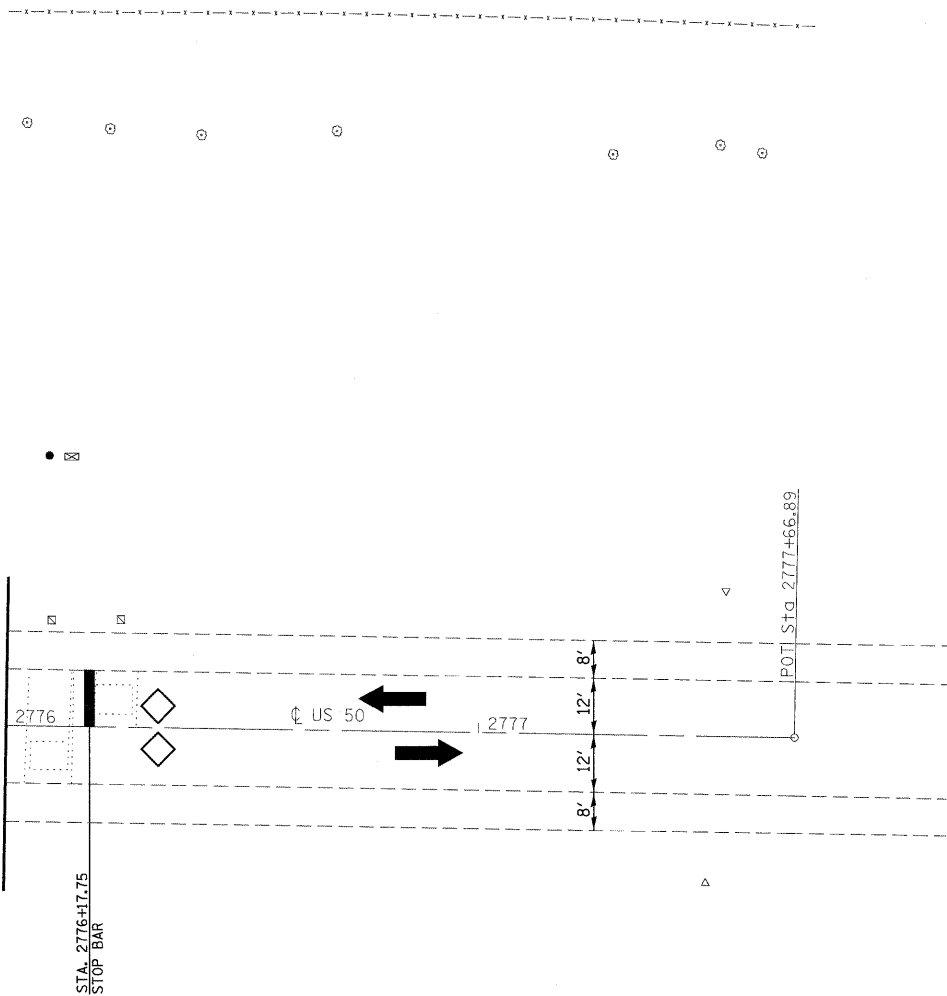
STAGE I CONSTRUCTION - LOCATION 2

SCALE: 1" = 20' SHEET NO. 4 OF 7 SHEETS STA. 2770+00 TO STA. 2776+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	41
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				CONTRACT NO. 76B27



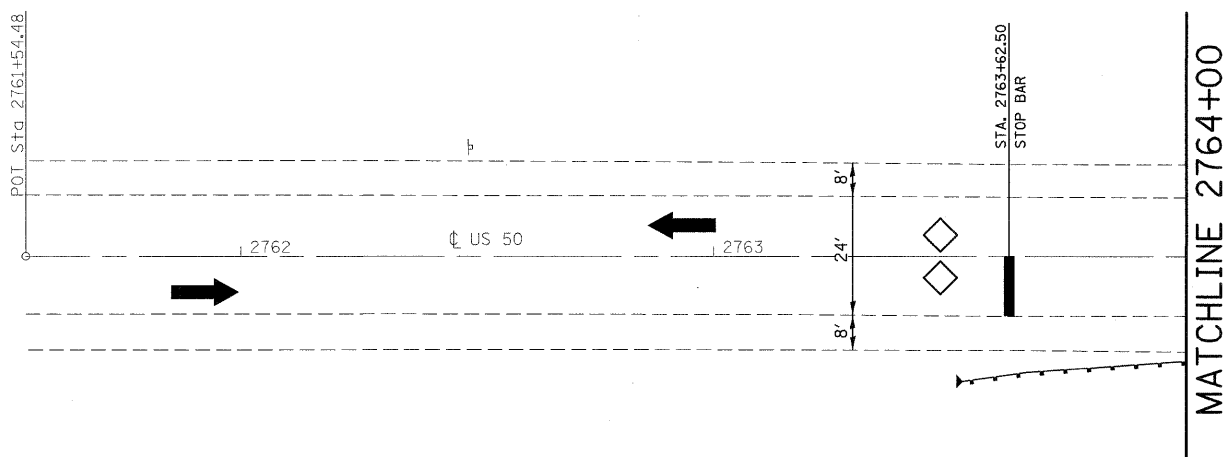
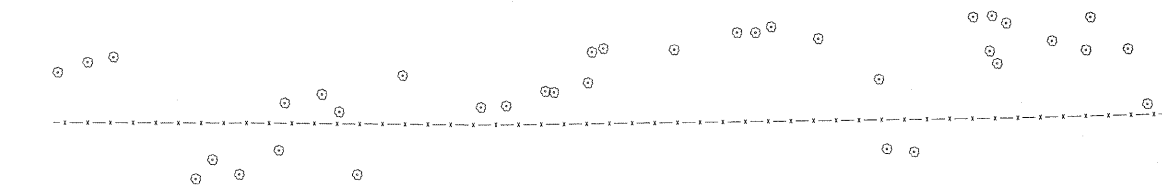
MATCHLINE 2776+00





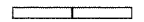





LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I CONSTRUCTION - LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwwid\MANNTM\dms52470\pin12	207b.dgn	DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	41A
	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76B27				
	PLOT DATE = 12/8/2009	DATE -	REVISED -			SCALE: 1" = 20'	SHEET NO. 4 OF 7 SHEETS	STA. 2770+00 TO STA. 2776+00	FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT	



LEGEND

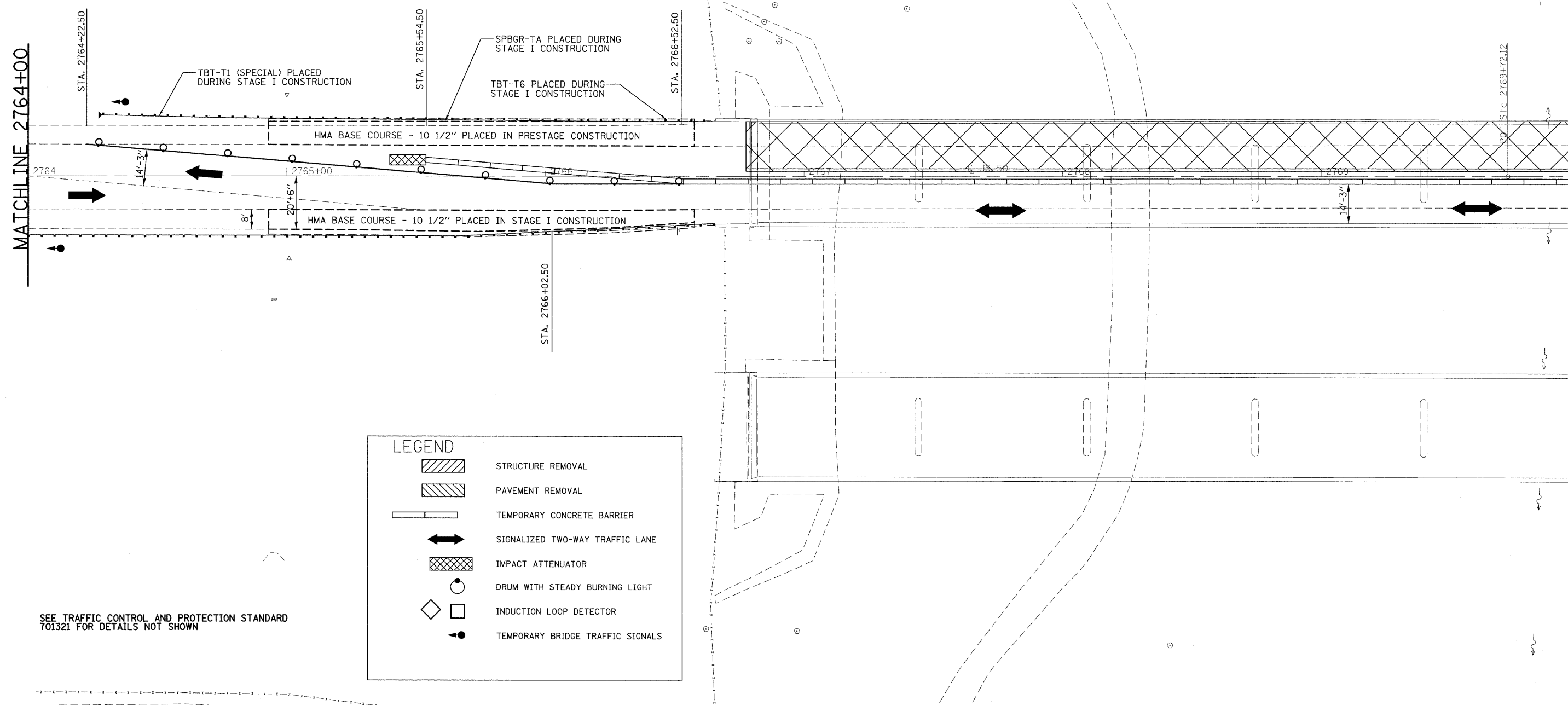
-  STRUCTURE REMOVAL
-  PAVEMENT REMOVAL
-  TEMPORARY CONCRETE BARRIER
-  SIGNALIZED TWO-WAY TRAFFIC LANE
-  IMPACT ATTENUATOR
-  DRUM WITH STEADY BURNING LIGHT
-  INDUCTION LOOP DETECTOR
-  TEMPORARY BRIDGE TRAFFIC SIGNALS

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = mannta	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II CONSTRUCTION - LOCATION 2			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pwork\PWIDOT\MANNTM\dms52478\p1n12287b.dgn	2287b.dgn	DRAWN -	REVISED -					327	14-12BR-1	CLINTON	72	42
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76B27							
PLOT DATE = 12/8/2009		DATE -	REVISED -		SCALE: 1" = 20'	SHEET NO. 5 OF 7 SHEETS	STA. 2764+50 TO STA. 3764+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

MATCHLINE 2764+00

MATCHLINE 2770+00



LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
ct:\pwork\PWIDOT\MANNTM\dms52478\p1n10287b.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II CONSTRUCTION - LOCATION 2

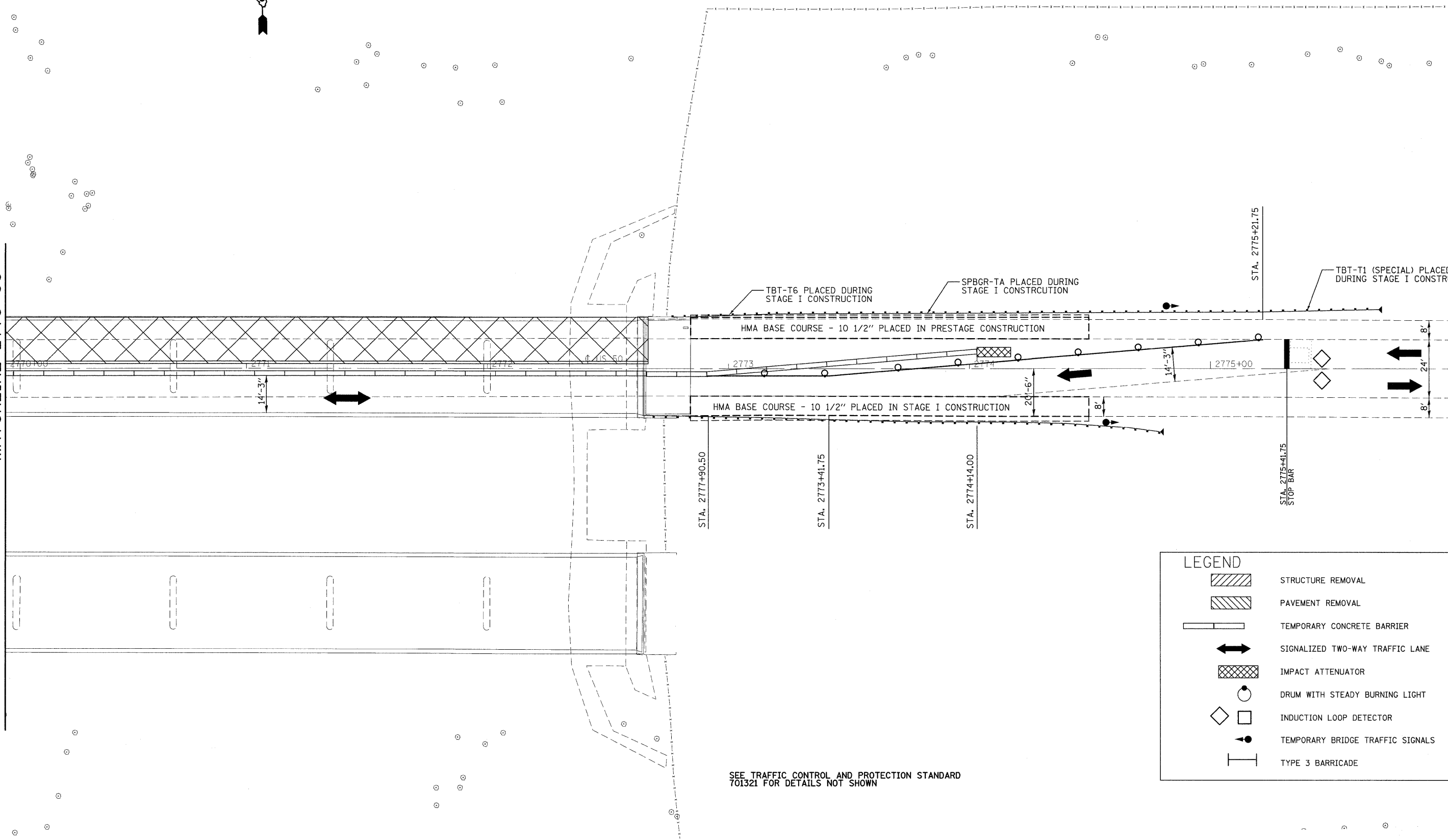
SCALE: 1" = 20' SHEET NO. 6 OF 7 SHEETS STA. 2764+00 TO STA. 2770+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	43
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



MATCHLINE 2770+00

MATCHLINE 2776+00



SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

LEGEND

- STRUCTURE REMOVAL
- PAVEMENT REMOVAL
- TEMPORARY CONCRETE BARRIER
- SIGNALIZED TWO-WAY TRAFFIC LANE
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING LIGHT
- INDUCTION LOOP DETECTOR
- TEMPORARY BRIDGE TRAFFIC SIGNALS
- TYPE 3 BARRICADE

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/8/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

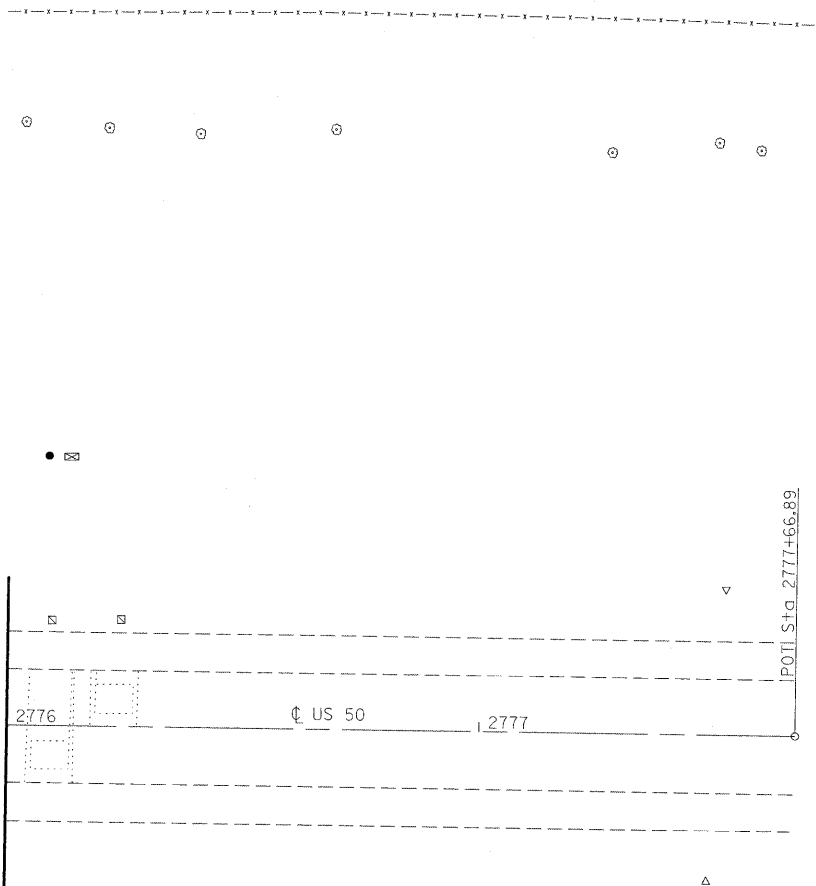
STAGE II CONSTRUCTION - LOCATION 2

SCALE: 1" = 20' SHEET NO. 7 OF 7 SHEETS STA. 2770+00 TO STA. 27762+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	44
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



MATCHLINE 2776+00



LEGEND	
	STRUCTURE REMOVAL
	PAVEMENT REMOVAL
	TEMPORARY CONCRETE BARRIER
	SIGNALIZED TWO-WAY TRAFFIC LANE
	IMPACT ATTENUATOR
	DRUM WITH STEADY BURNING LIGHT
	INDUCTION LOOP DETECTOR
	INDUCTION LOOP DETECTOR
	TEMPORARY BRIDGE TRAFFIC SIGNALS
	TYPE 3 BARRICADE

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II CONSTRUCTION - LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\DOT\MANNTM\dms52470\p1n1\207b.dgn	DRAWN -	REVISED -	327			14-12BR-1	CLINTON	72	44A	
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76B27							
PLOT DATE = 12/8/2009	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT				
				SCALE: NO SCALE		SHEET NO. 7 OF 7 SHEETS		STA. TO STA.		

Existing Structure: S.N. 014-0049 built in 1973 as F.A. 409, Section 14-12B at Sta. 2769+75. The structure is a nine span PPC I-Beam on open stub abutments supported on piles and solid wall hammerhead piers supported on piles.

Proposed Structure Improvements for S.N. 014-0049 include:
 Remove and replace existing expansion joints, plug and extend deck drains as detailed, remove existing aluminum handrail and construct concrete parapet retrofit, PPC I-beam repair, formed concrete repair at abutments and piers, & seal concrete deck.
 Traffic to be maintained utilizing Stage Construction.
 Existing aluminum handrail to be salvaged. (See Bridge Rail Removal Special Provision)

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - Stage Construction Details
- 3 - Temporary Concrete Barrier
- 4 - Existing Superstructure and Drain Details
- 5 - Superstructure Concrete Removal at Abutment Locations
- 6-7 - Superstructure Concrete Removal at Piers 3 & 6
- 8 - Superstructure Details
- 9 - Parapet Details
- 10 - Preformed Joint Strip Seal
- 11 - Abutment Concrete Repair Details
- 12 - Pier Concrete Repair Details
- 13-16 - PPC I-Beam Repair Details
- 17 - Bar Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	81.5		81.5
Bridge Rail Removal	Foot	1172		1172
Concrete Superstructure	Cu. Yd.	83		83
Floor Drain Extension	Each	66		66
Reinforcement Bars, Epoxy Coated	Pound	13820		13820
Bar Splicers	Each	134		134
Relocating Name Plate	Each	1		1
Preformed Joint Strip Seal	Foot	160		160
Concrete Sealer	Sq. Yd.	3045		3045
Cleaning Bridge Seats	Sq. Ft.		512	512
Plug Existing Deck Drains	Each	114		114
Polymer Modified Portland Cement Mortar	Sq. Ft.	29.8		29.8
Structural Repair of Concrete (Depth Equal to or Less Than 5in.)	Sq. Ft.	55.6	136.5	192.1
Retrofit Concrete Parapet	Foot	1106		1106

* Concrete Sealer shall be applied to the surface of the deck and the top and inside vertical faces of the parapets.

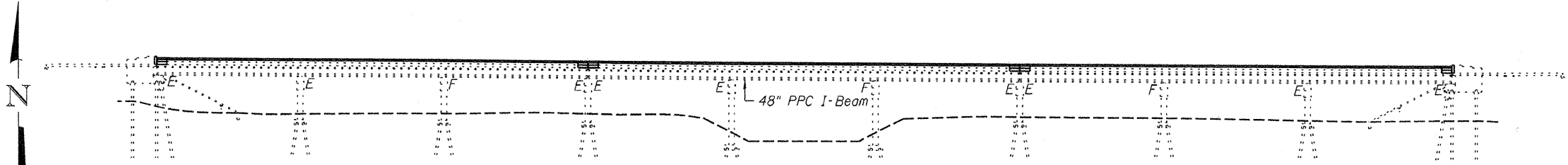
GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in concrete removal.
 Removal and reinstallation of the existing name plate will be necessary for construction of the expansion joint at the East Abutment. This work and all materials shall be included in the contract unit price for Relocating Name Plates.
 The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beams.
 The existing abutment seats and seats at piers 3 & 6 shall be cleaned according to the special provision for "Cleaning Bridge Seats".
 The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.
 Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

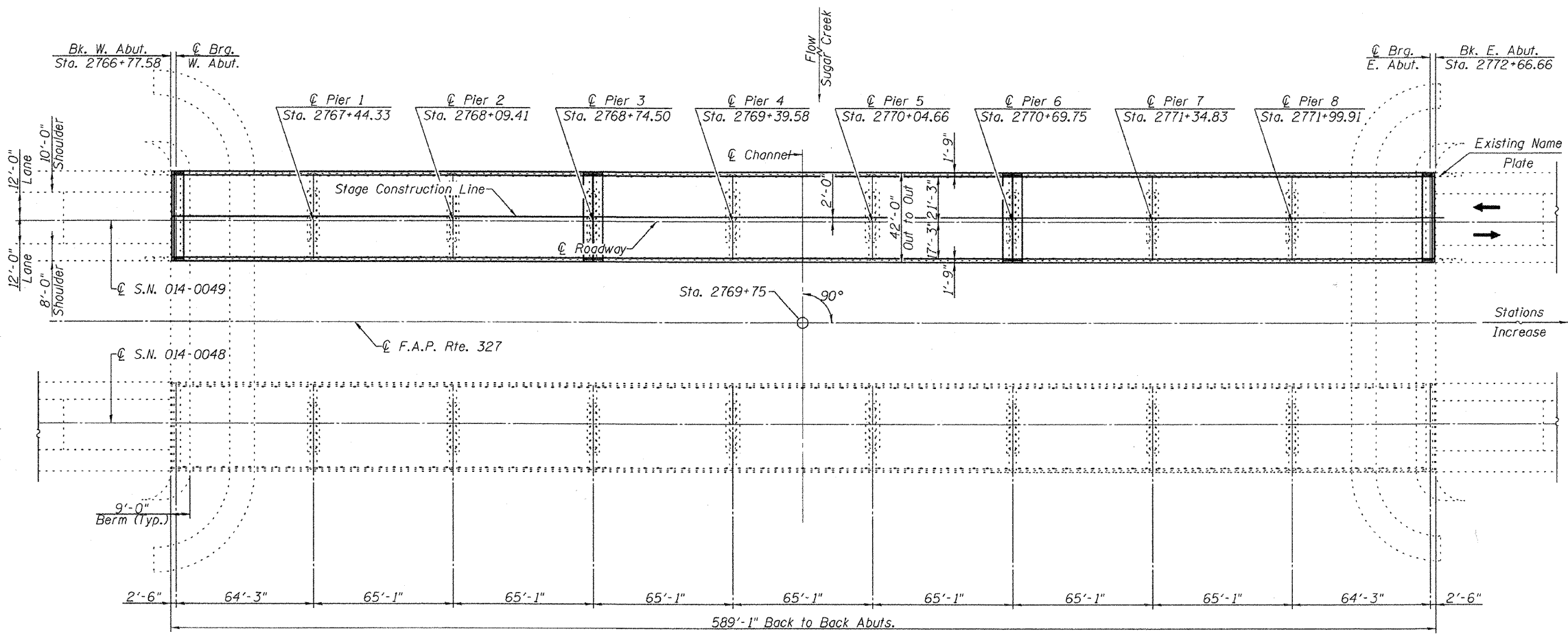
DESIGN STRESSES

NEW CONSTRUCTION
 FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 (reinforcement)

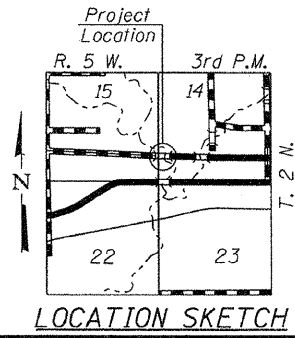
GENERAL PLAN & ELEVATION
U.S. ROUTE 50 OVER SUGAR CREEK
F.A.P. 327 SEC. 14-12BR-1
CLINTON COUNTY
STATION 2769+75
S.N. 014-0049



ELEVATION



PLAN

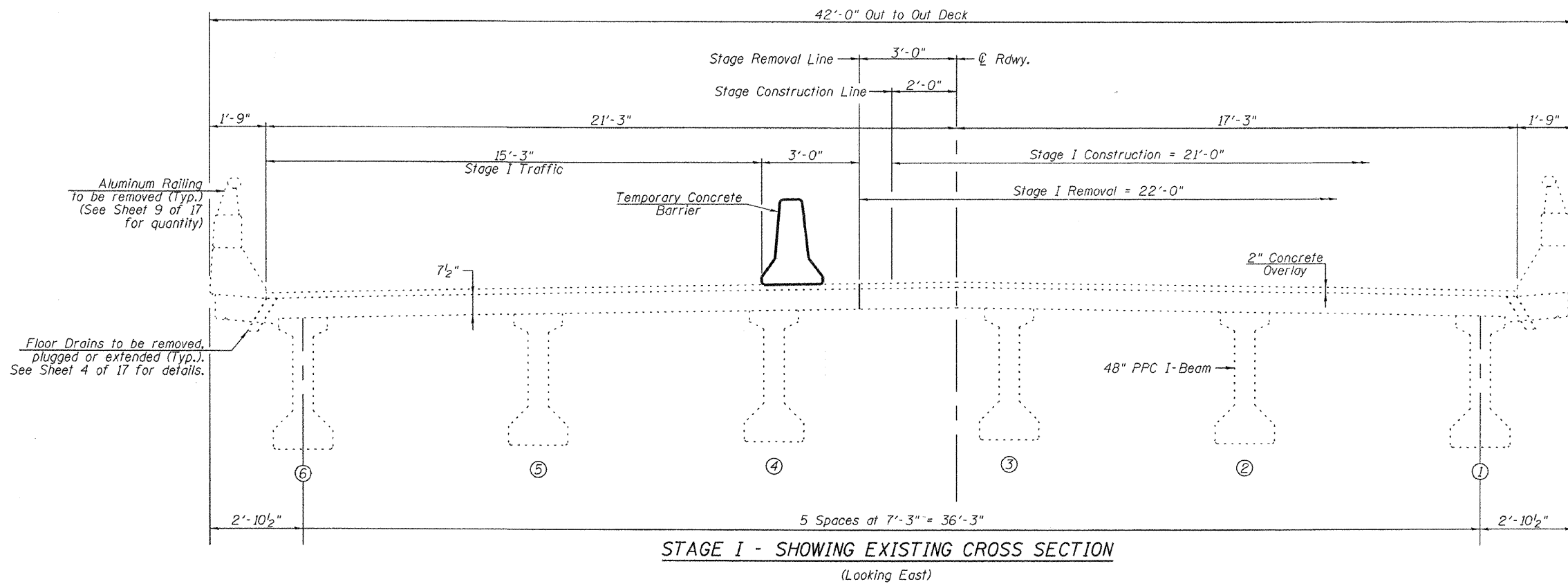


LOCATION SKETCH

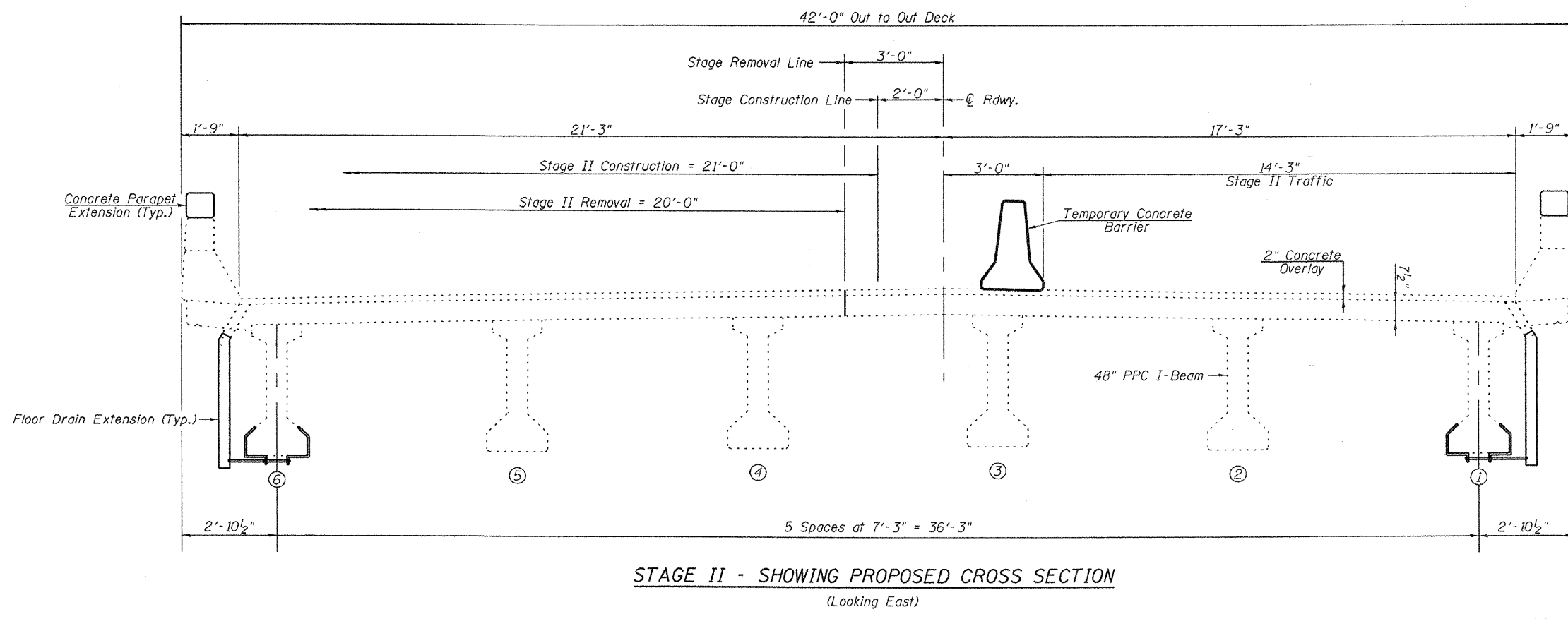
Professional Engineer Seal for Gerald B. Rothberg, License No. 091-065673, State of Illinois. Expiration Date 11/30/2010.

Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

SHEET NO. 1 17 SHEETS	F.A.P. RTE. 327	SECTION 14-12BR-1	COUNTY CLINTON	TOTAL SHEETS 72	SHEET NO. 45
	CONTRACT NO. 76B27				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



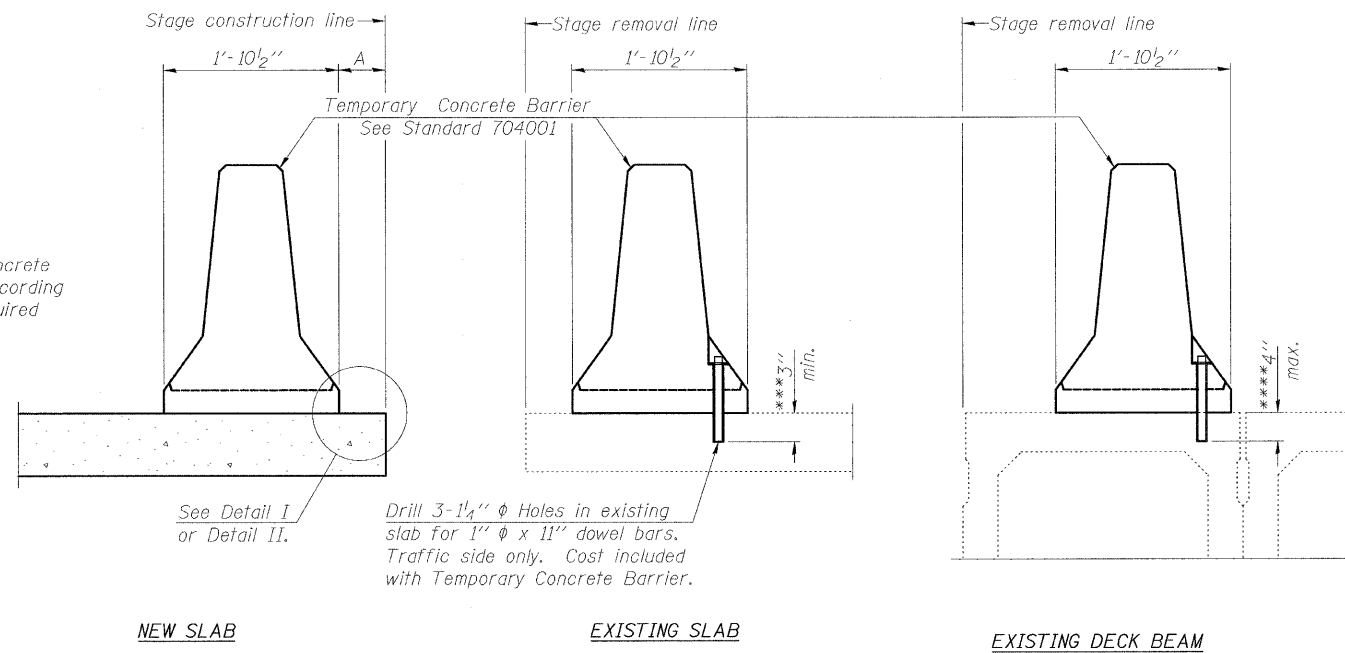
NOTES
 See Sheets 5, 6 & 10 of 17 for Expansion Joint Removal and Replacement Details.
 For quantity of temporary concrete barrier, See Roadway Plans.
 For details of temporary concrete barrier, See Sheet 3 of 17.
 Staging details are for information only. Coordinate with roadway staging.



STAGE CONSTRUCTION DETAILS
S.N. 014-0049

Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907	SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17 SHEETS	327	14-12BR-1	CLINTON	72	46
	CONTRACT NO. 76B27					
		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

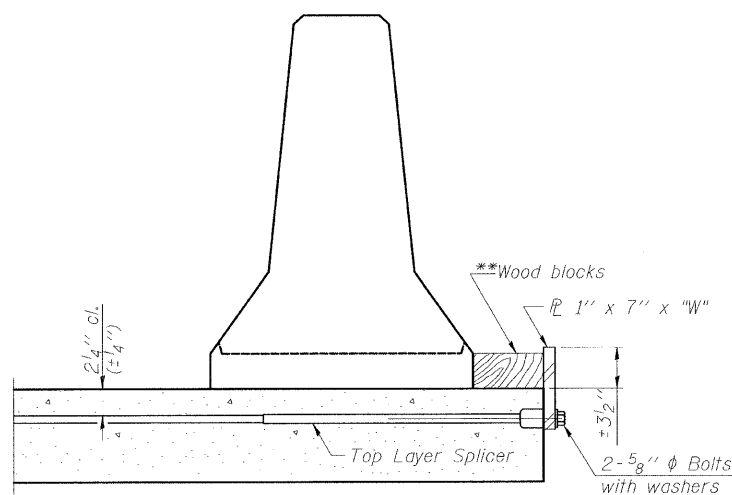
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

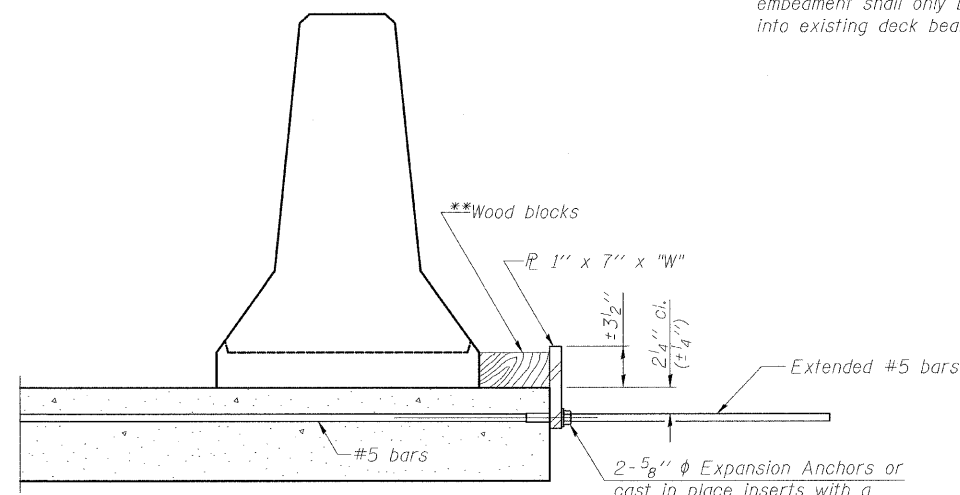
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

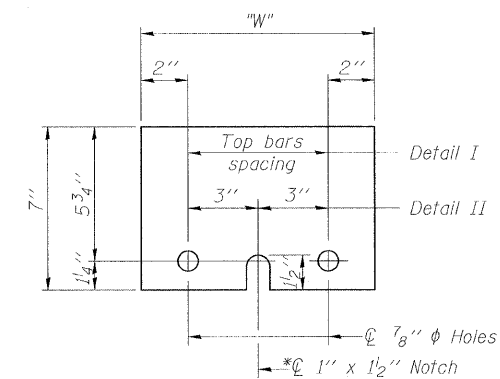
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER \bar{L} 1" x 7" x 10"

* Required only with Detail II

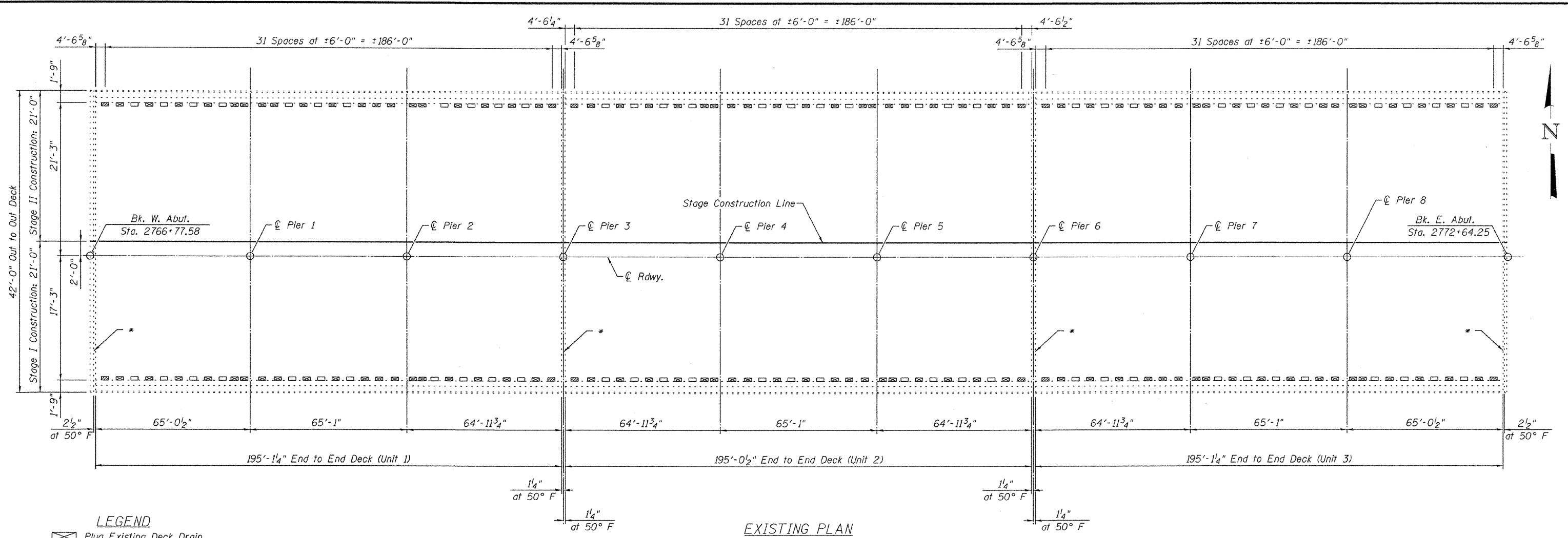
** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

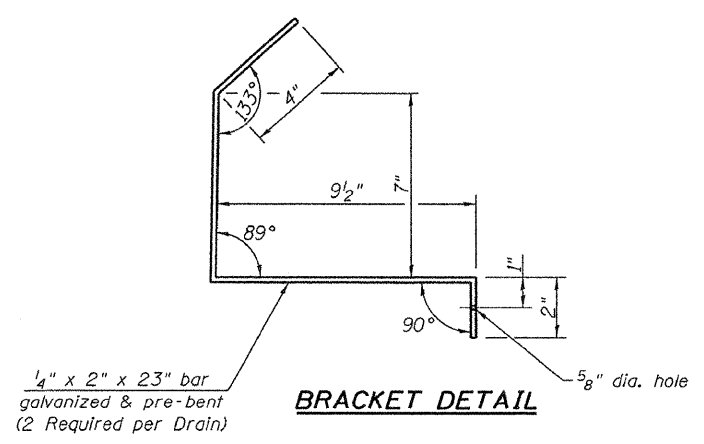
**TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
S.N. 014-0049**



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	47
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

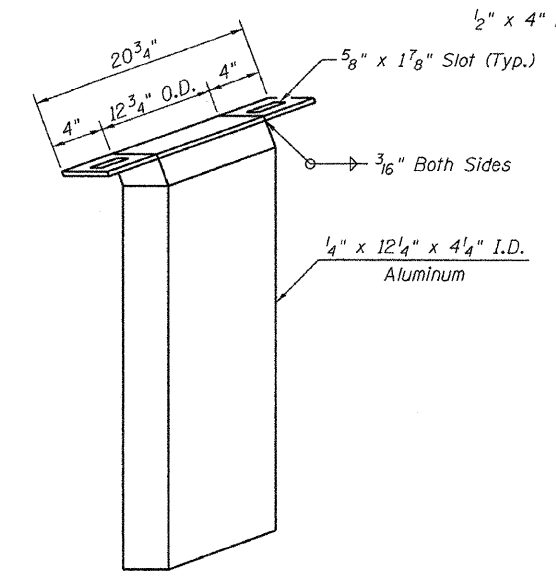


- LEGEND**
- Plug Existing Deck Drain
 - Floor Drain Extensions
 - Existing Floor Drain to be removed (Cost included with Concrete Removal)
 - * Existing Expansion Joint to be removed and replaced. (See Sheets 5, 6 & 10 of 17)

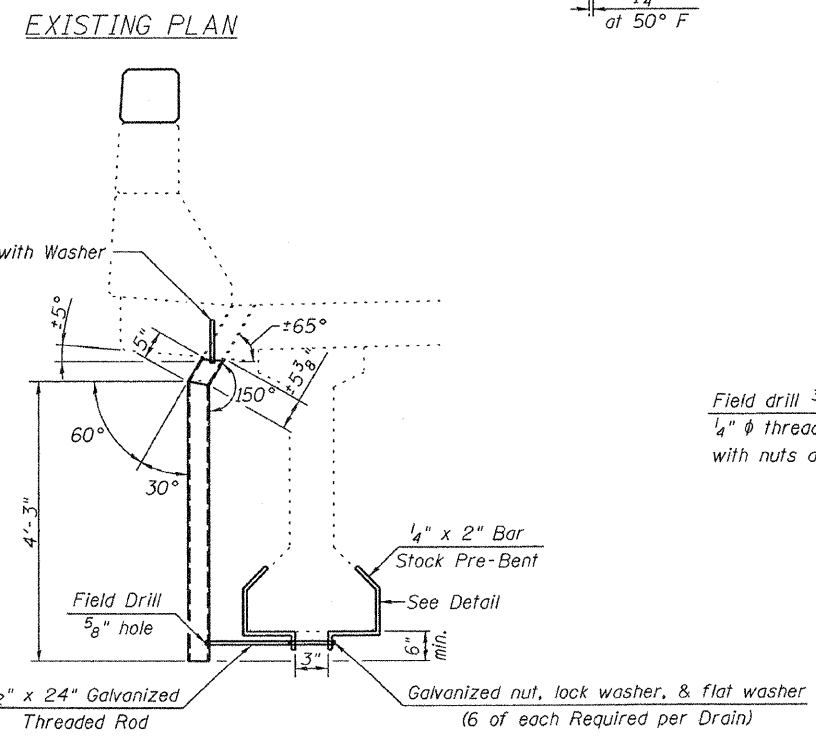


NOTES

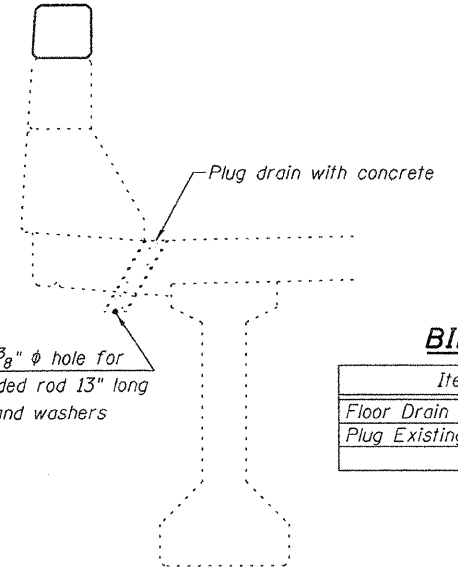
Expansion bolts, washers, nuts, threaded rods, brackets will not be paid for separately but shall be included in the cost for "Floor Drain Extension".



FLOOR DRAIN EXTENSION



DRAIN EXTENSION PLAN



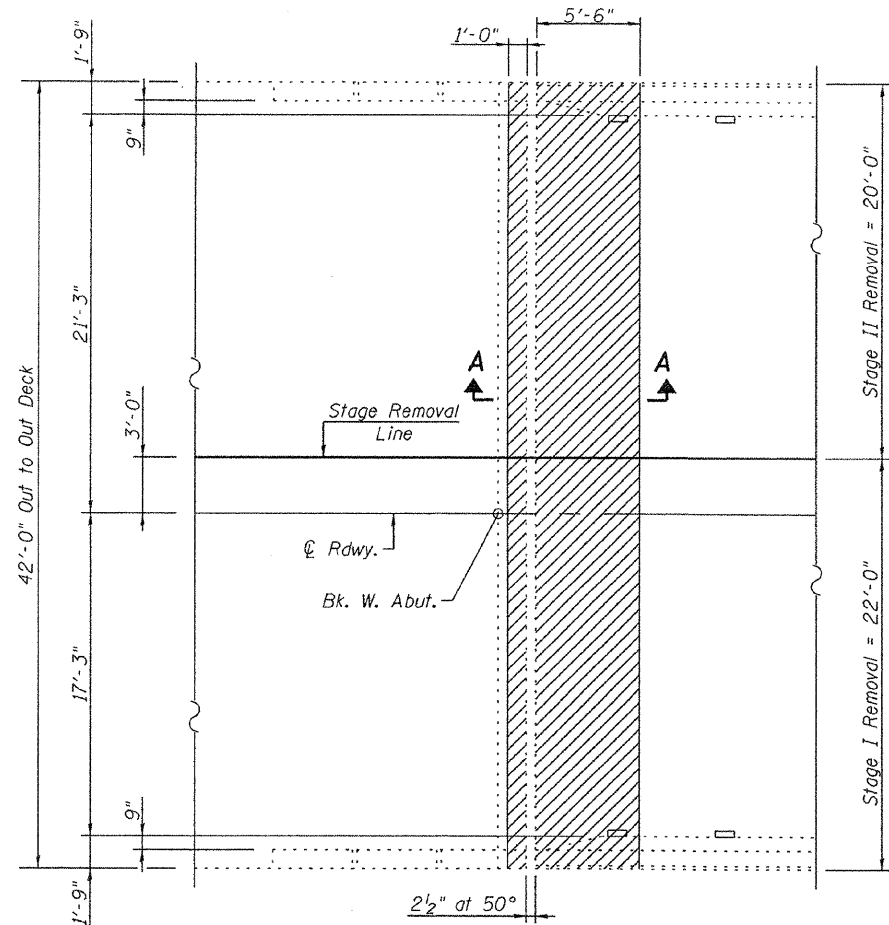
DRAIN ELIMINATION PLAN

BILL OF MATERIAL

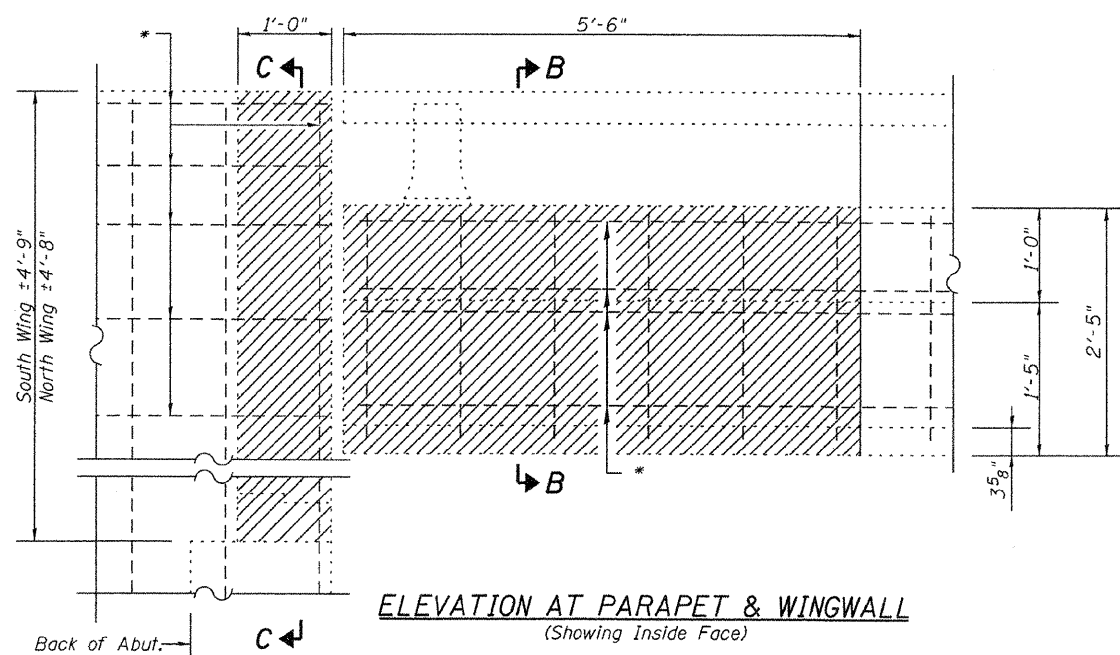
Item	Unit	Total
Floor Drain Extension	Each	66
Plug Existing Deck Drains	Each	114

EXISTING SUPERSTRUCTURE & DRAIN DETAILS
S.N. 014-0049

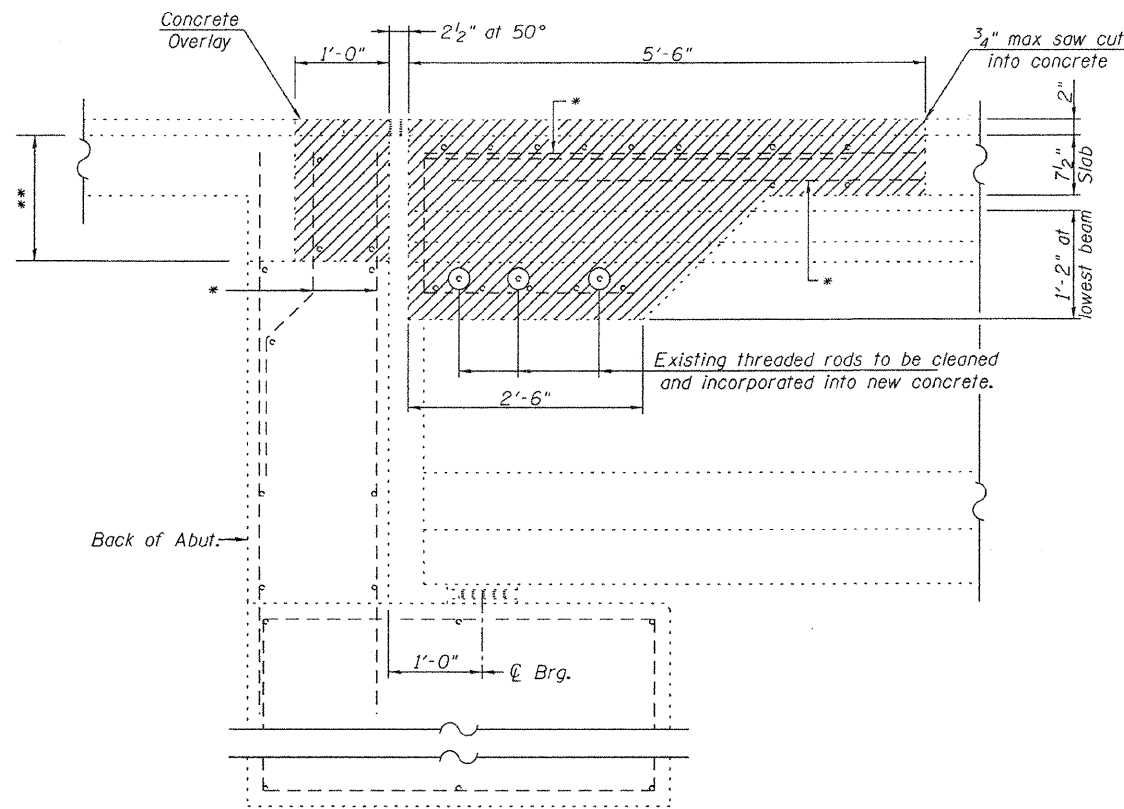
<p>Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p>	<p>SHEET NO. 4</p> <p>17 SHEETS</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		327	14-12BR-1	CLINTON	72	48
		CONTRACT NO. 76B27				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						



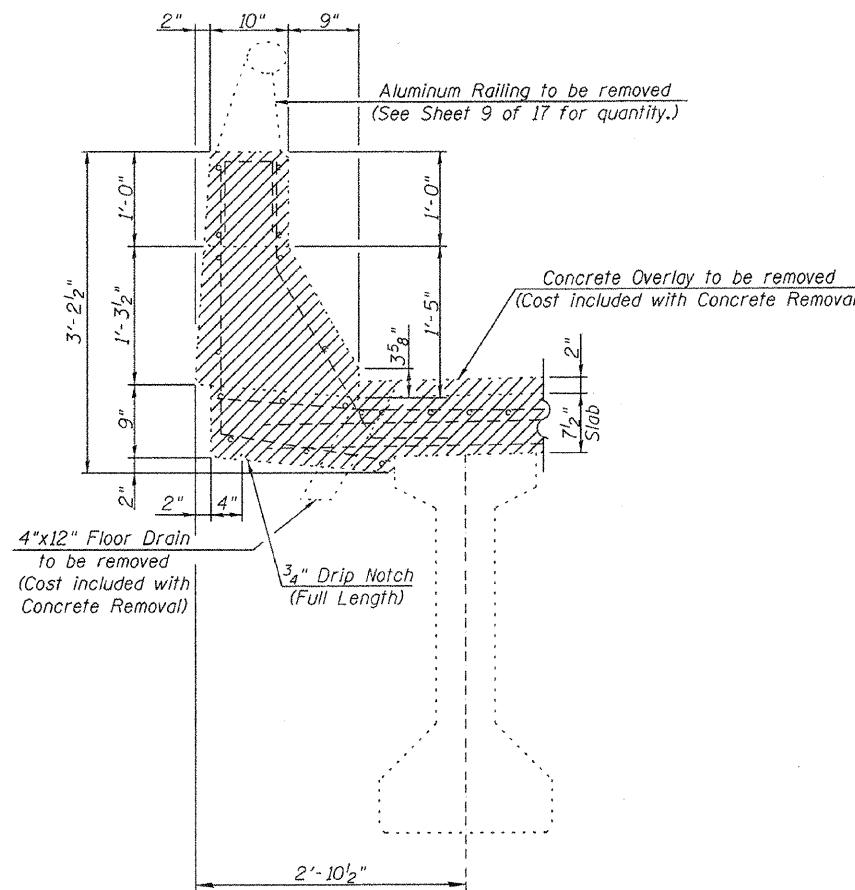
EXISTING PARTIAL PLAN
(West Abutment shown - East Abutment similar)



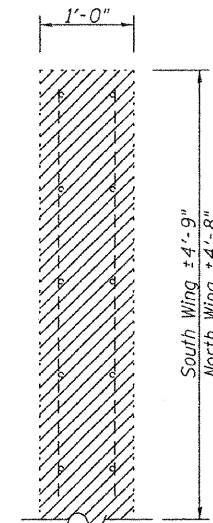
ELEVATION AT PARAPET & WINGWALL
(Showing Inside Face)



SECTION A-A



SECTION B-B



SECTION C-C

- * Existing reinforcement to remain.
- ** 1'-3 1/4" at Inside Face of South Wing
- 1'-6 3/4" at C Rdwy.
- 1'-2 1/4" at Inside Face of North Wing

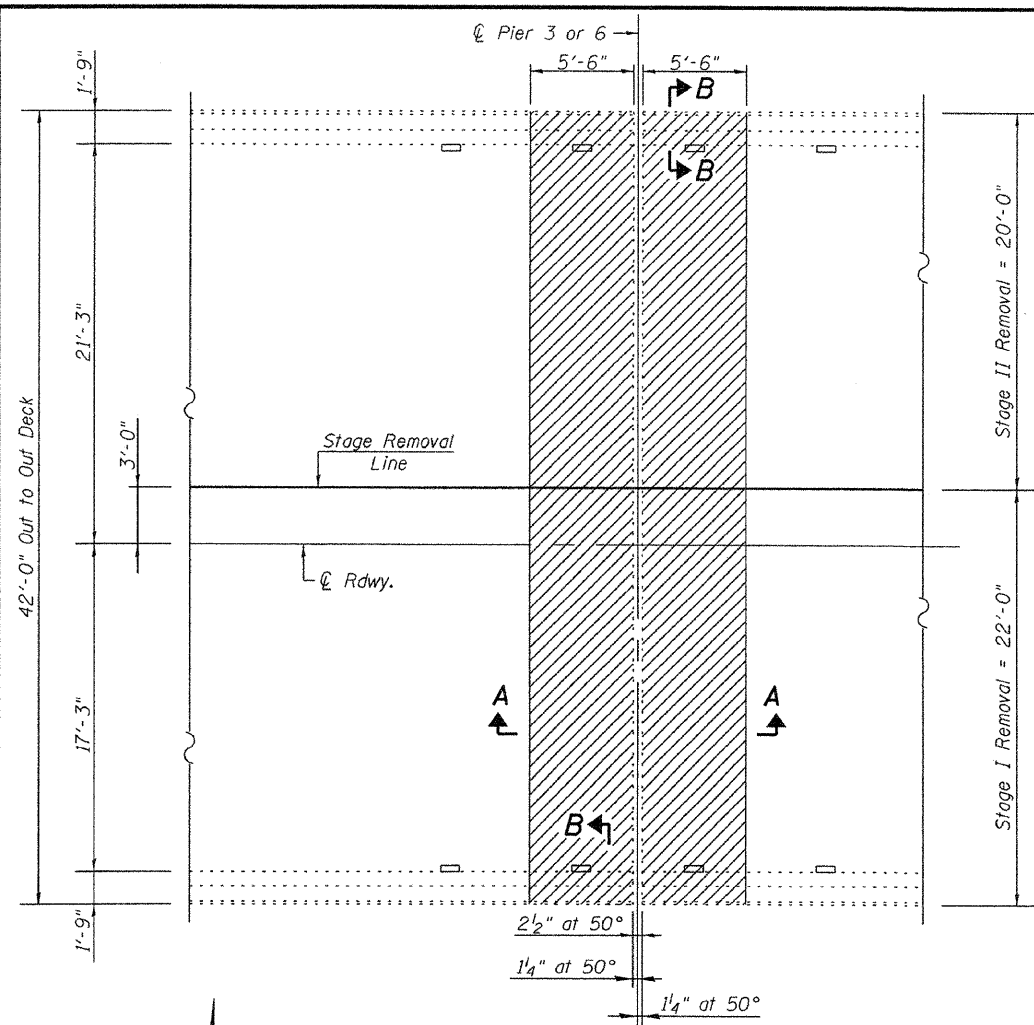
- Concrete Removal

NOTES

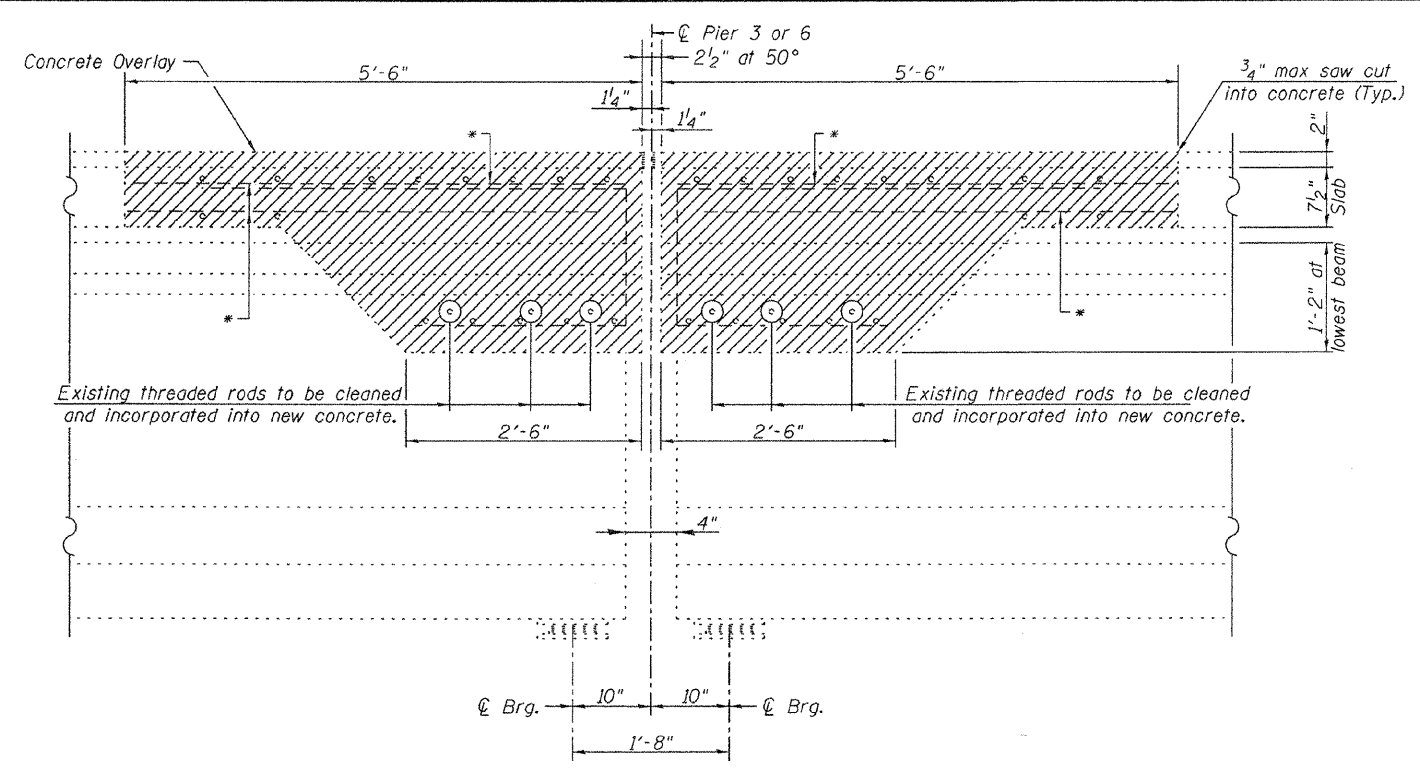
Removal of existing expansion joint and associated material shall not be paid for separately but shall be included in the cost of "Concrete Removal".
Trim existing reinforcement to accommodate proposed expansion joint.
The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beams.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system.
Cost included in concrete removal.

**SUPERSTRUCTURE CONCRETE REMOVAL
AT ABUTMENT LOCATIONS
S.N. 014-0049**

Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 5 17 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		327	14-12BR-1	CLINTON	72	49
		CONTRACT NO. 76B27				
		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

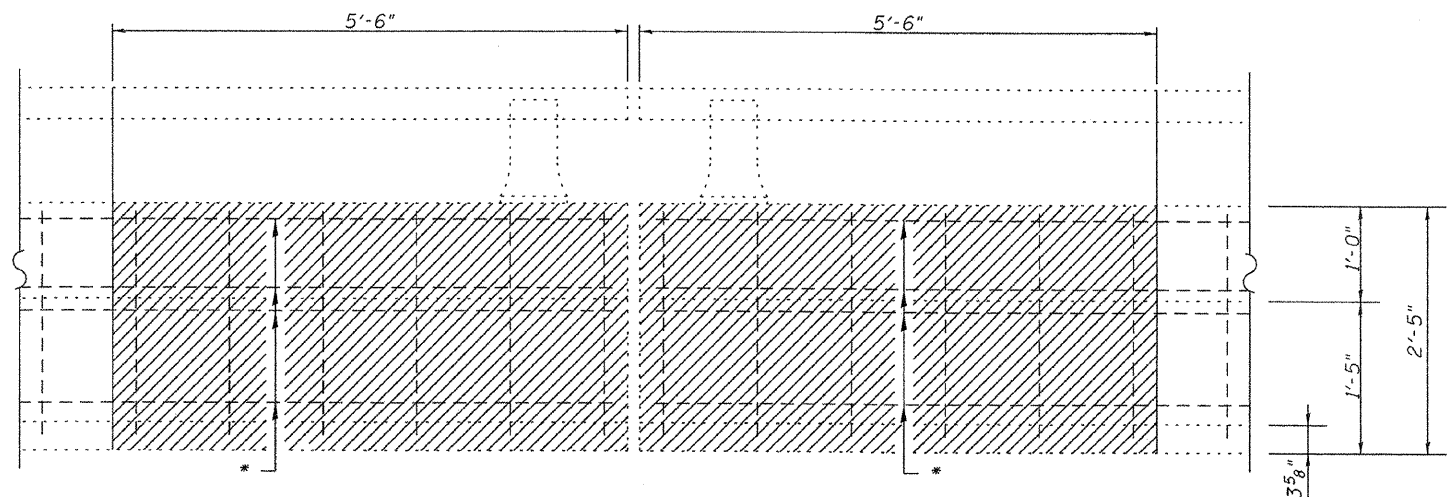


EXISTING PARTIAL PLAN

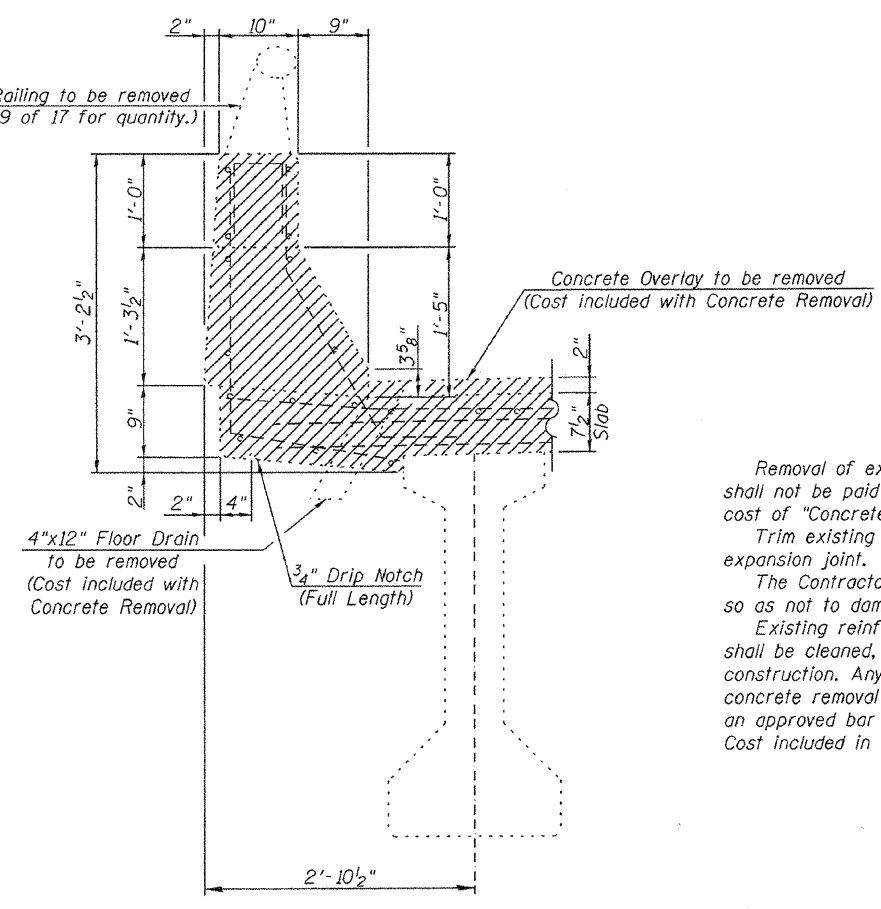


SECTION A-A

Aluminum Railing to be removed
(See Sheet 9 of 17 for quantity.)



ELEVATION AT PARAPET
(Showing Inside Face)



SECTION B-B

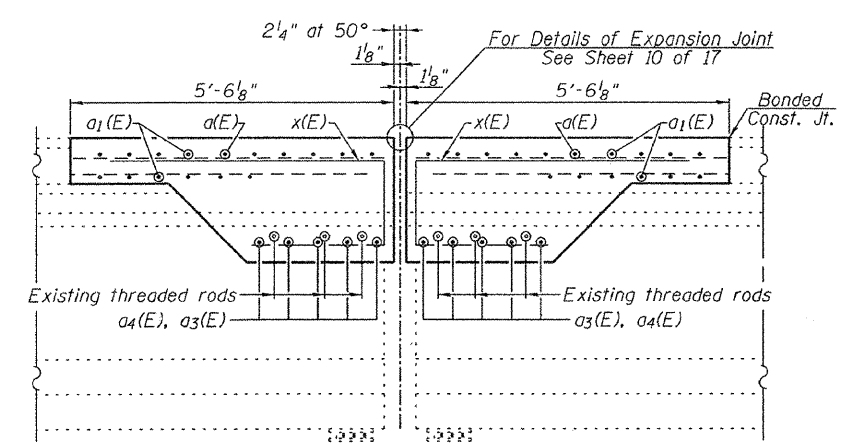
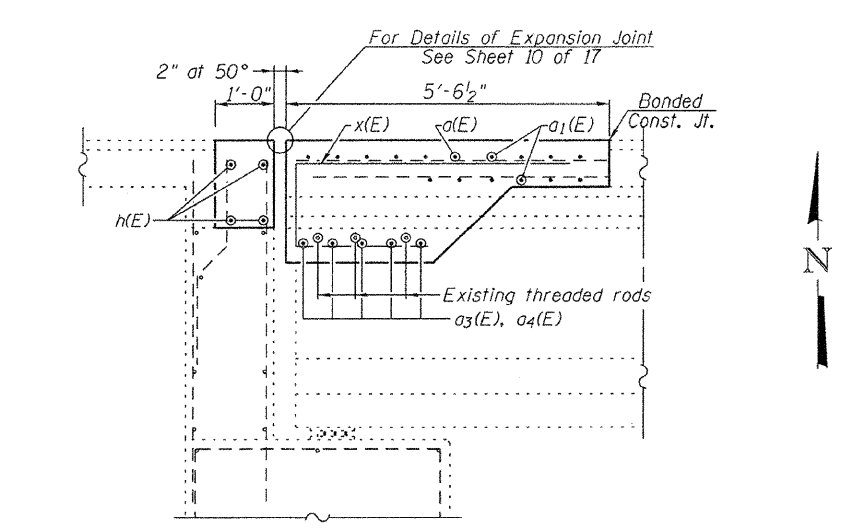
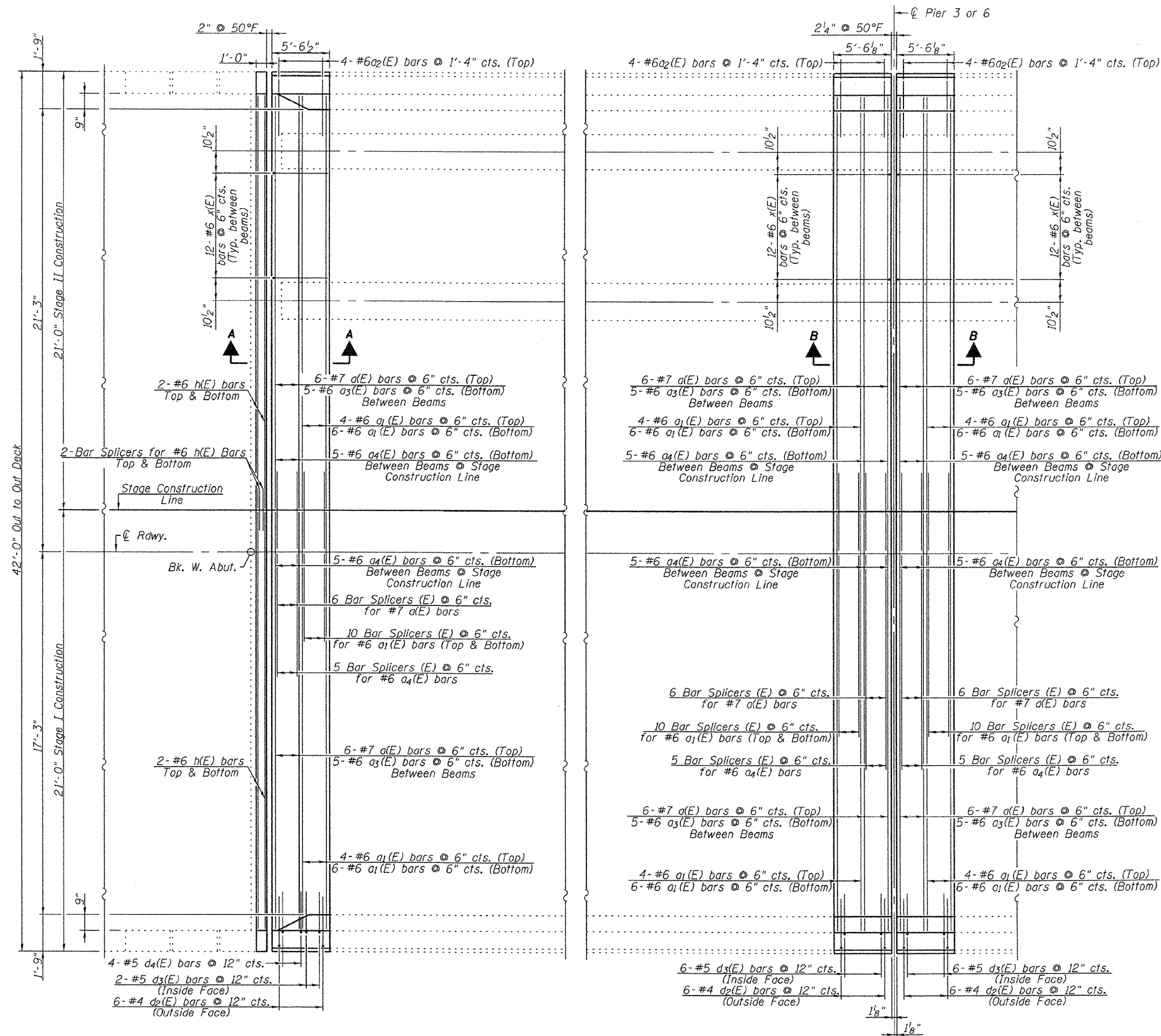
- Concrete Removal

NOTES

Removal of existing expansion joint and associated material shall not be paid for separately but shall be included in the cost of "Concrete Removal".
Trim existing reinforcement to accommodate proposed expansion joint.
The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beams.
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system.
Cost included in concrete removal.

SUPERSTRUCTURE CONCRETE REMOVAL
AT PIERS 3 & 6
S.N. 014-0049

Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17 SHEETS	327	14-12BR-1	CLINTON	72	50
				CONTRACT NO. 76B27		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT						



NOTES
 Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Sheet 10 of 17.

SUPERSTRUCTURE DETAILS
 S.N. 014-0049

W. ABUTMENT
 (West Abutment Shown - East Abutment Similar)

PROPOSED PARTIAL PLAN

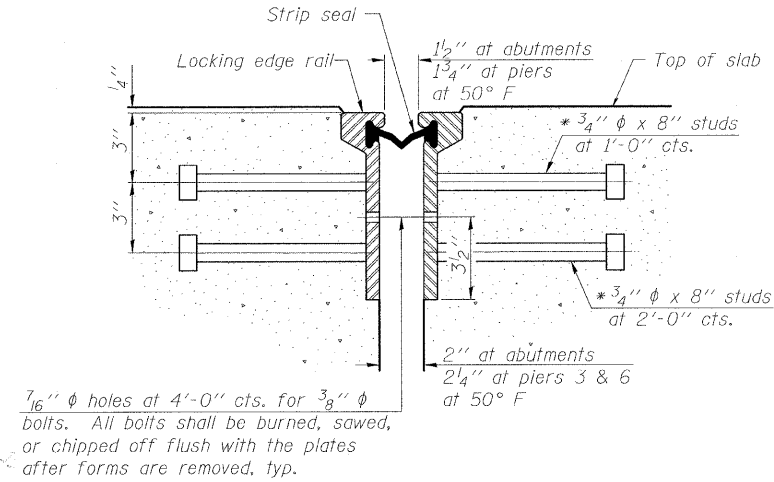
PIER 3 or 6



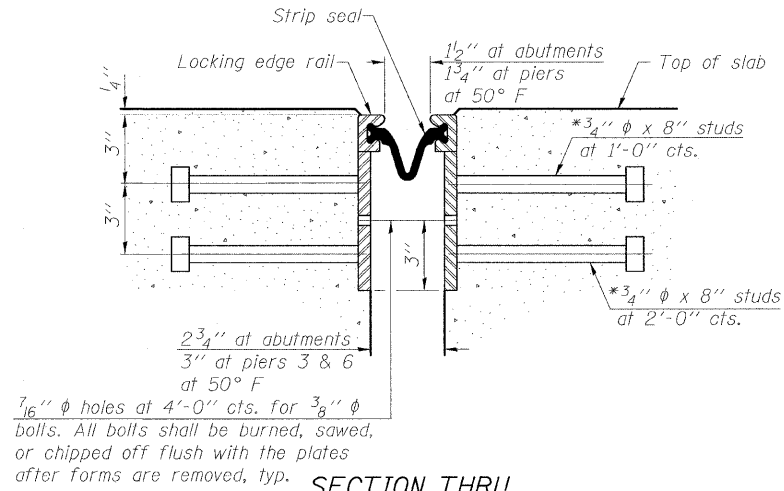
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	327	14-12BR-1	CLINTON	72	51
17 SHEETS	CONTRACT NO. 76B27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

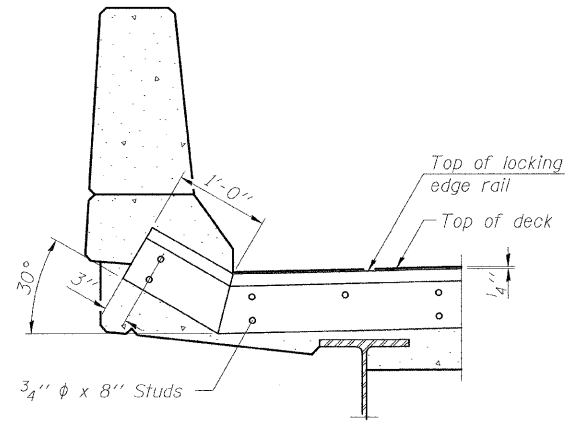
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



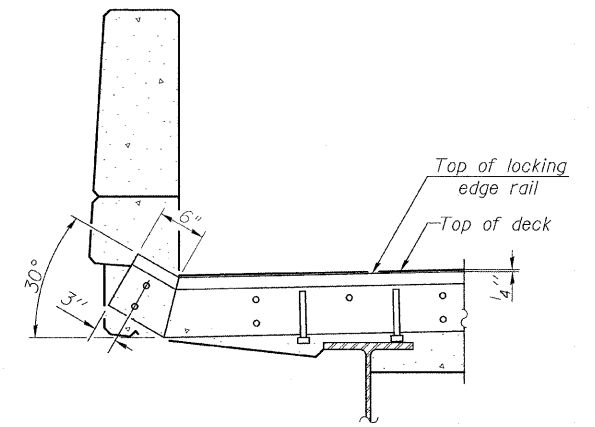
SECTION THRU ROLLED RAIL JOINT



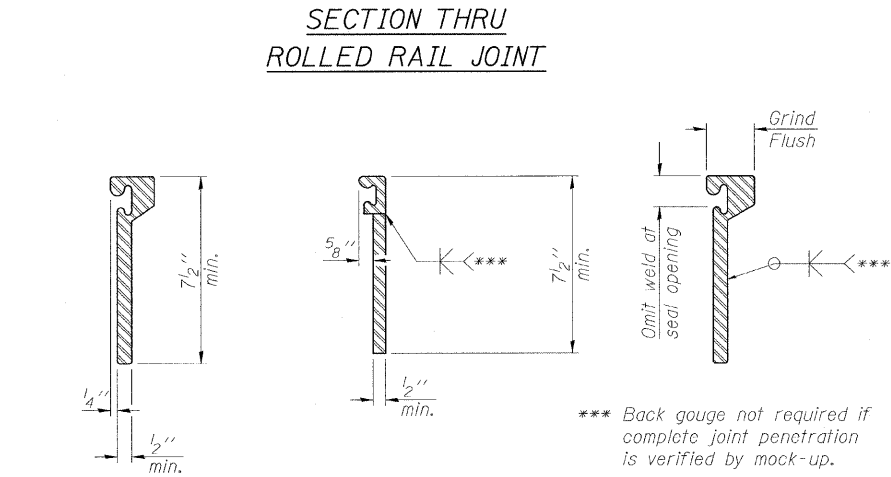
SECTION THRU WELDED RAIL JOINT



AT PARAPET TYPICAL END TREATMENT AT PIERS



AT PARAPET TYPICAL END TREATMENT AT ABUTMENTS



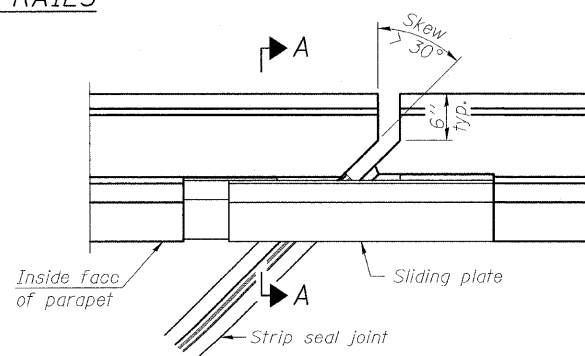
ROLLED EXTRUDED RAIL

WELDED RAIL

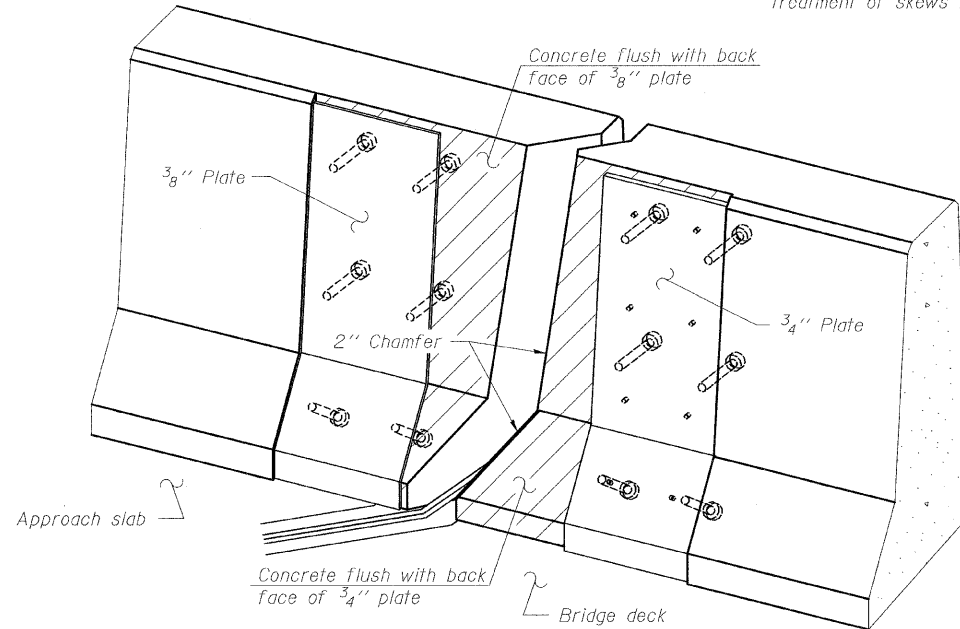


LOCKING EDGE RAIL SPLICE

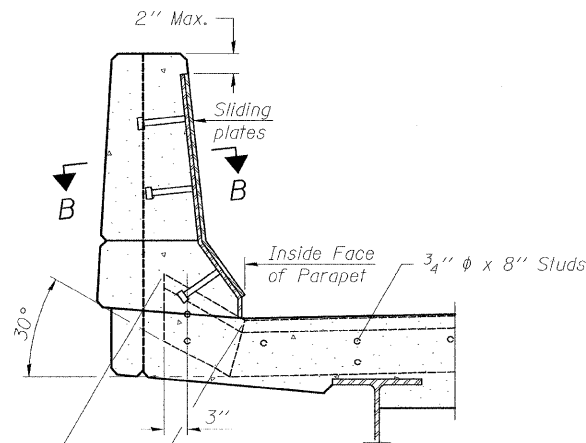
LOCKING EDGE RAILS



PLAN

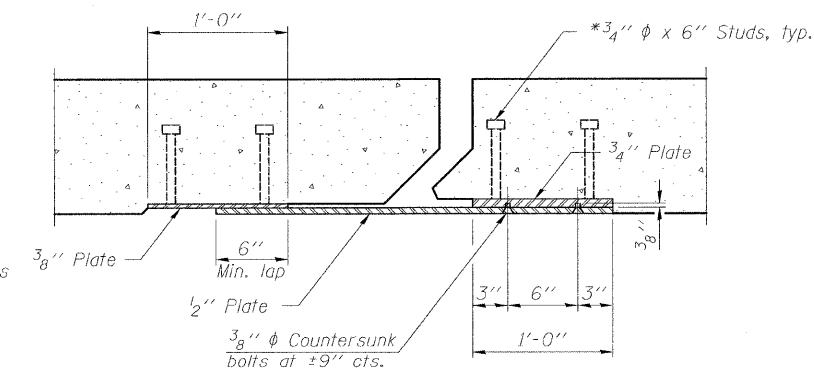


TRIMETRIC VIEW (Showing back plates only)



SECTION A-A

POINT BLOCK DETAILS (for skews > 30°)



SECTION B-B

TYPICAL END TREATMENTS

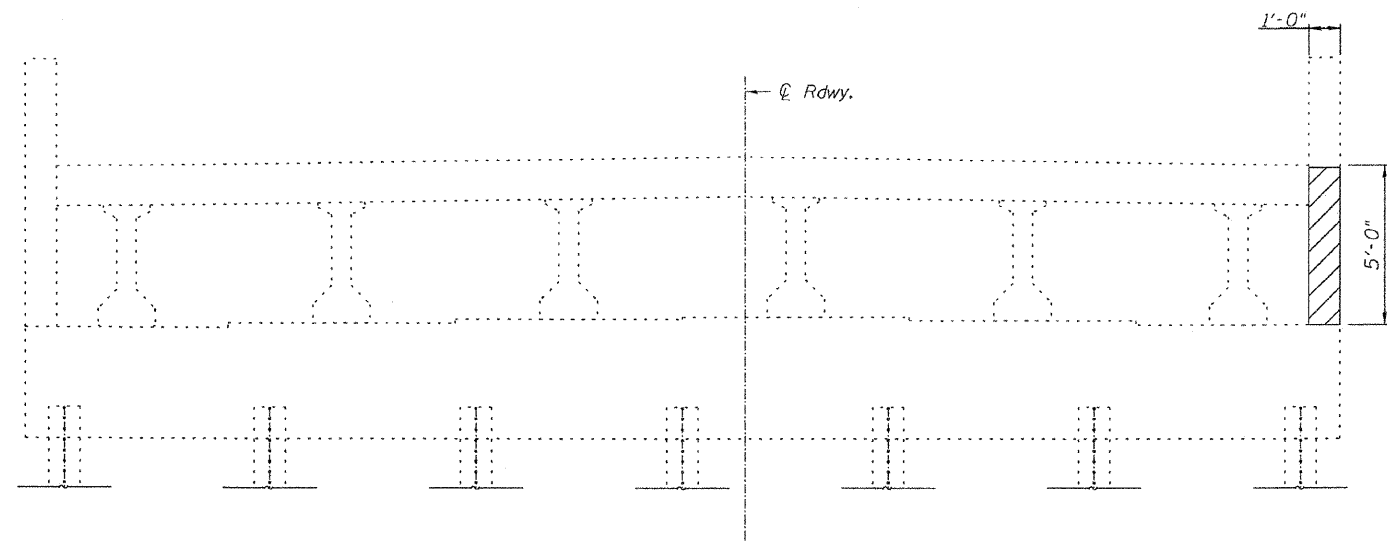
Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
 The manufacturer's recommended installation methods shall be followed.
 The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	160

PREFORMED JOINT STRIP SEAL S.N. 014-0049

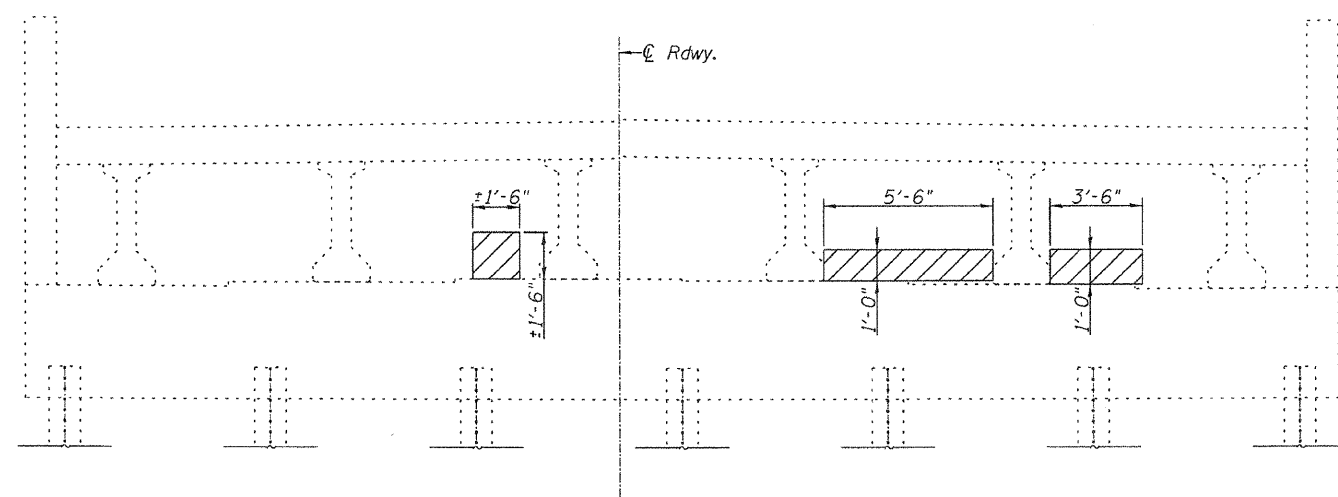
Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 10	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17 SHEETS	327	14-12BR-1	CLINTON	72	54
CONTRACT NO. 76B27						
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT						



EAST ABUTMENT
(Looking East)

NOTES

Hatched area indicates approximate area of Structural Repair of Concrete. Exact repairs are to be determined by the Engineer. All existing abutment seats shall be cleaned & sealed. Work will be paid for as Cleaning Bridge Seats.




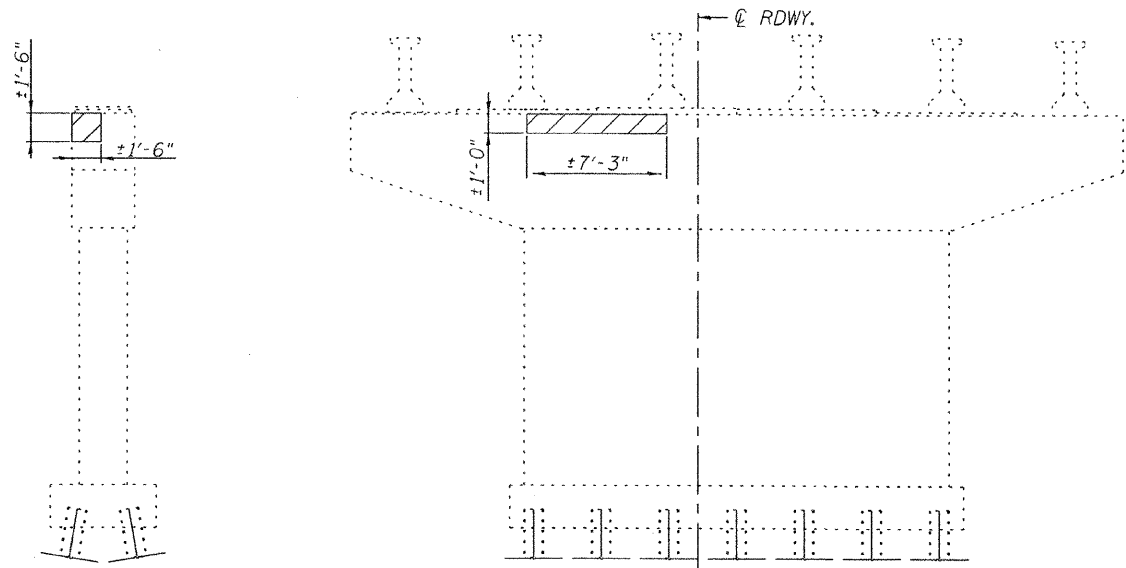
WEST ABUTMENT
(Looking West)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	16.3

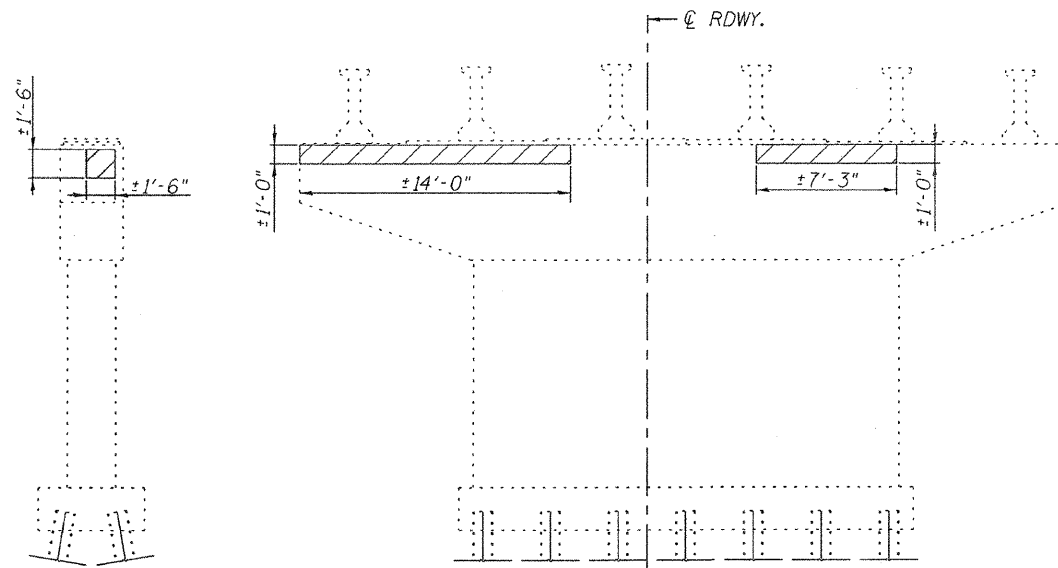
ABUTMENT CONCRETE REPAIR DETAILS
S.N. 014-0049

 Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 11	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	17 SHEETS	327	14-12BR-1	CLINTON	72	55	
				CONTRACT NO. 76B27			
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



END VIEW PIER 3
(Looking North)

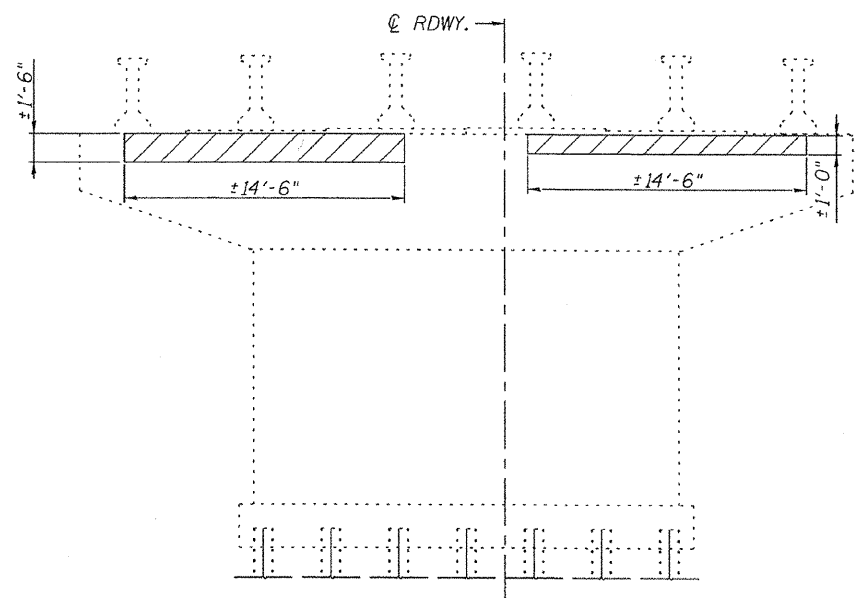
ELEVATION PIER 3
(Looking East)



END VIEW PIER 6
(Looking North)

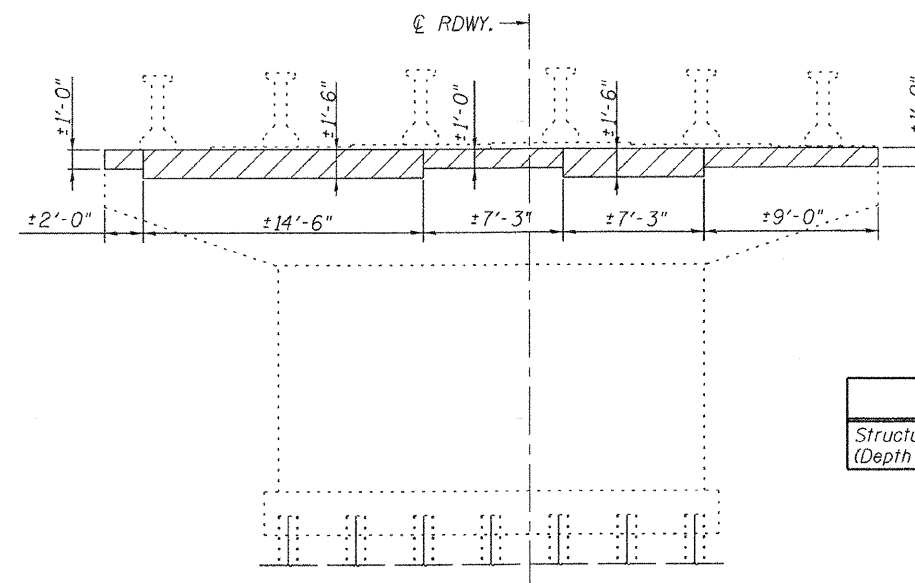
ELEVATION PIER 6
(Looking East)

Notes: Hatched area indicates approximate area of Structural Repair of Concrete.
Exact repairs are to be determined by the Engineer.
Pier seats at Piers 3 & 6 shall be cleaned & sealed.
Work will be paid for as Cleaning Bridge Seats.



END VIEW PIER 3
(Looking South)

ELEVATION PIER 3
(Looking West)



END VIEW PIER 6
(Looking South)

ELEVATION PIER 6
(Looking West)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	120.2

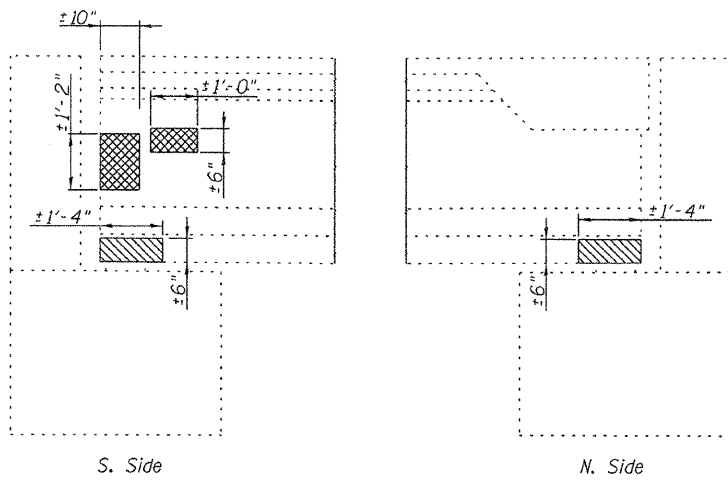
PIER CONCRETE REPAIR DETAILS
S.N. 014-0049



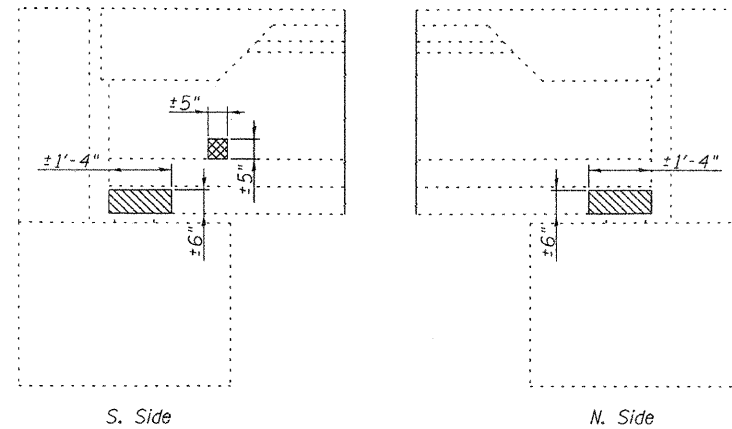
Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

SHEET NO. 12
17 SHEETS

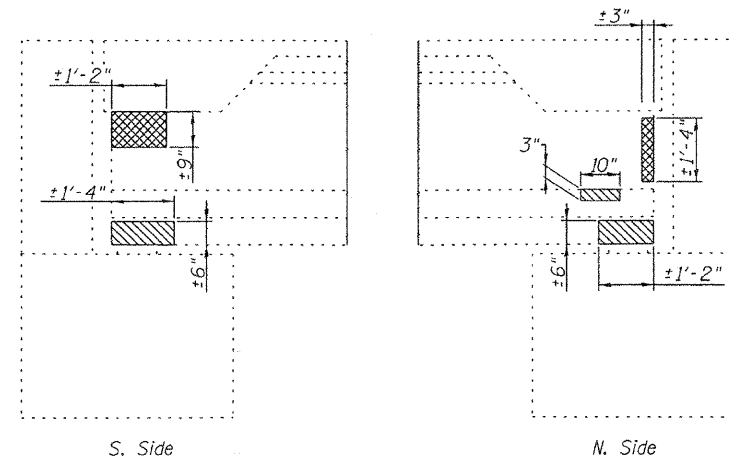
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	56
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



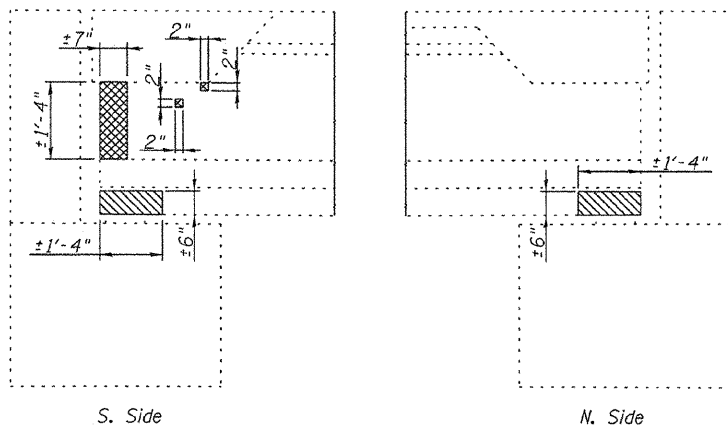
BEAM 1



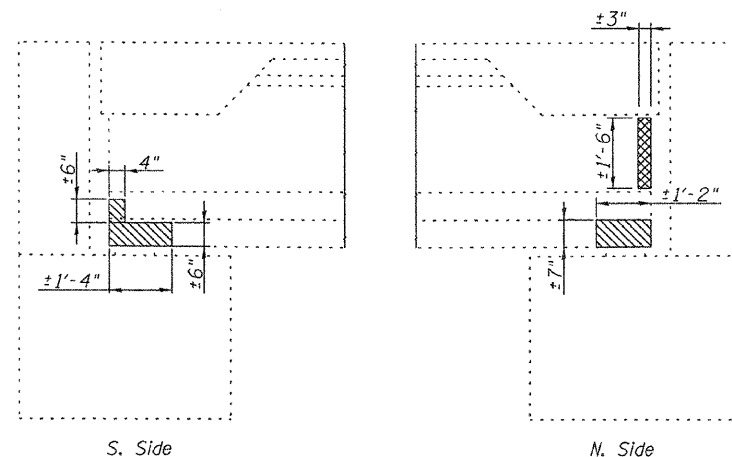
BEAM 2



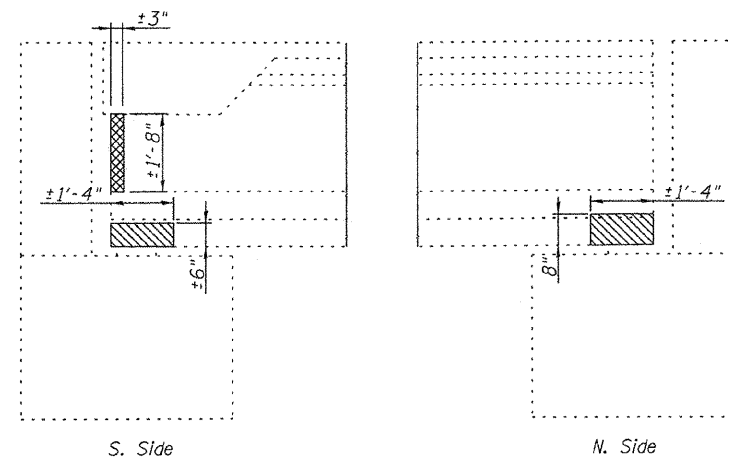
BEAM 3



BEAM 4



BEAM 5



BEAM 6

Note: Hatched area indicates approximate area of Structural Repair of Concrete. Cross-Hatched area indicates approximate area of Polymer Modified Portland Cement Mortar. Exact repairs are to be determined by the Engineer.

* Damaged areas within the beam's flanges are to be repaired per Structural Repair of Concrete (Depth equal to or less than 5") only.

** Damaged area within the beam's web are to be repaired per Polymer Modified Portland Cement Mortar only. (Typ. all locations)

BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	7.6
** Polymer Modified Portland Cement Mortar	Sq. Ft.	4.5

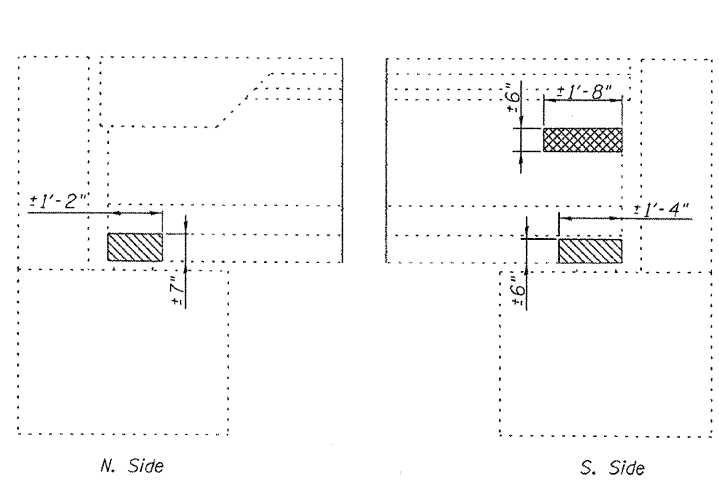
**PPC I-BEAM REPAIR DETAILS
WEST ABUTMENT
S.N. 014-0049**



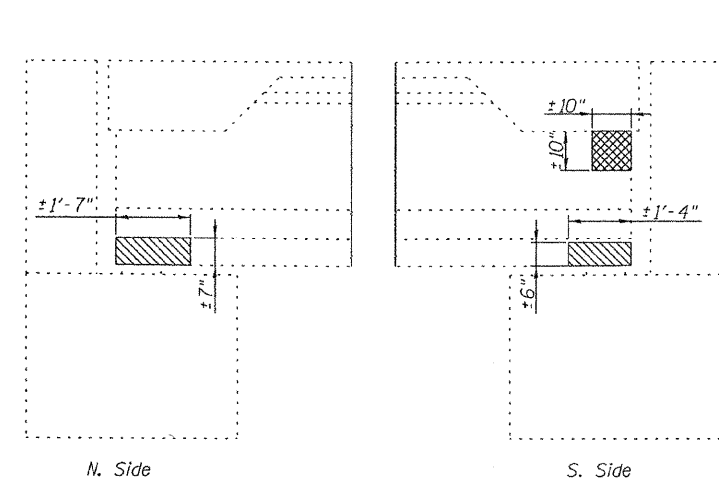
Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

SHEET NO. 13
17 SHEETS

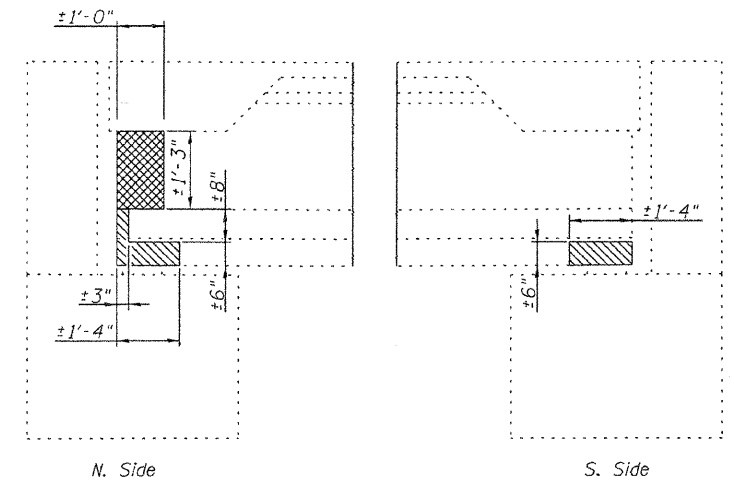
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	57
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



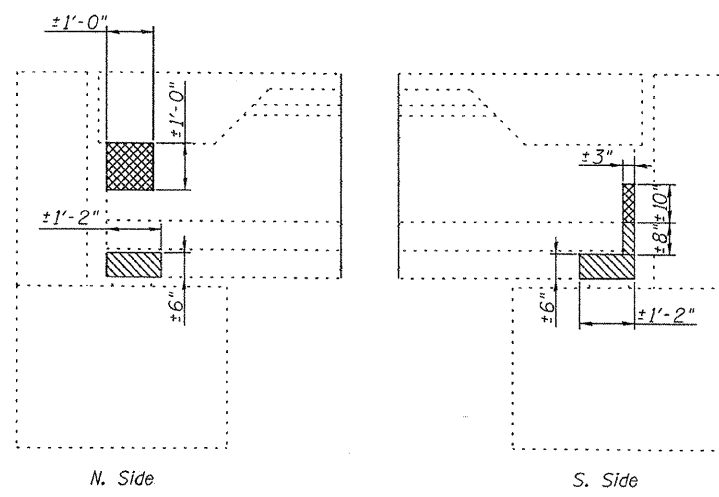
BEAM 1



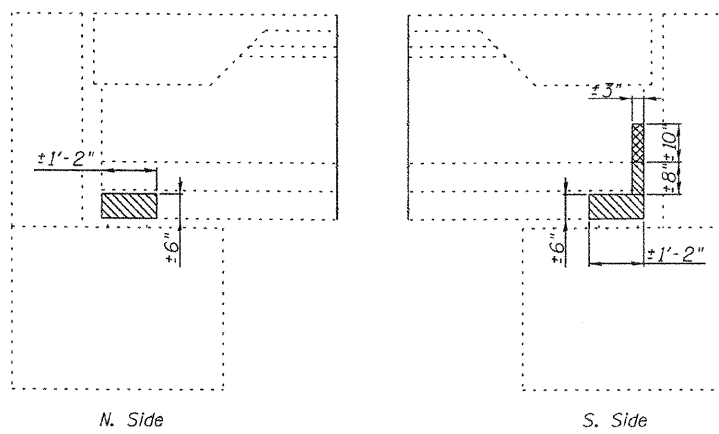
BEAM 2



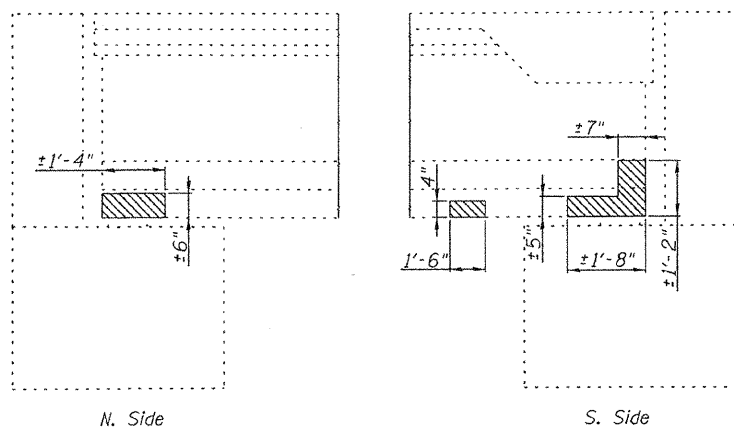
BEAM 3



BEAM 4



BEAM 5



BEAM 6

Note:
 Hatched area indicates approximate area of Structural Repair of Concrete.
 Cross-Hatched area indicates approximate area of Polymer Modified Portland Cement Mortar.
 Exact repairs are to be determined by the Engineer.

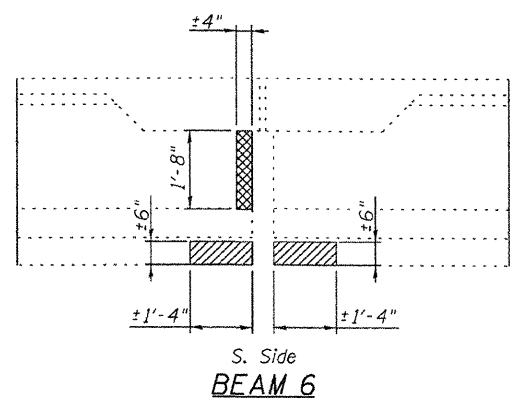
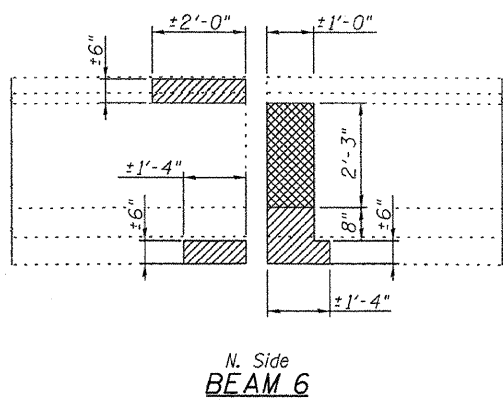
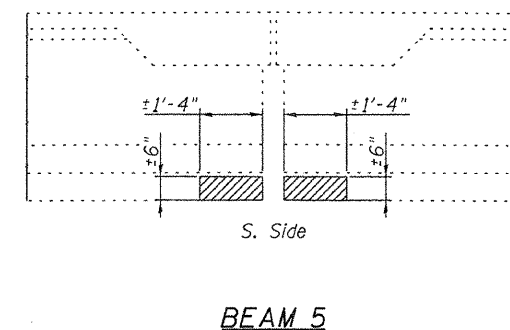
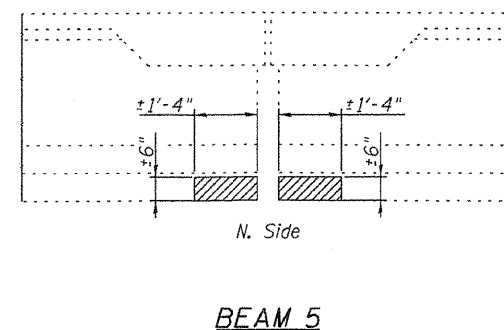
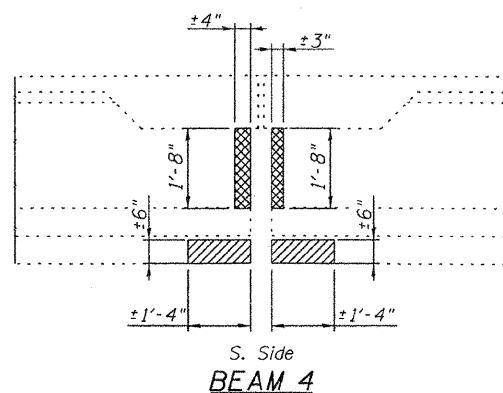
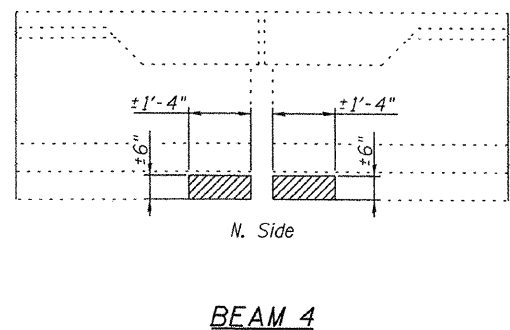
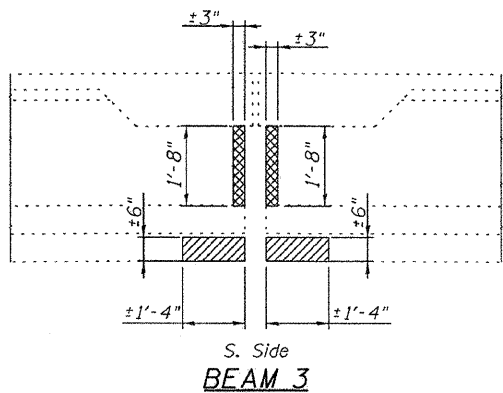
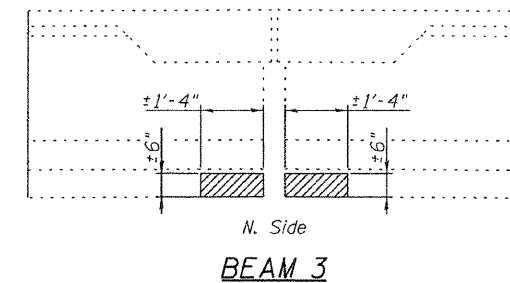
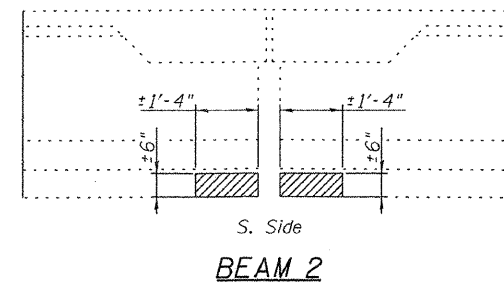
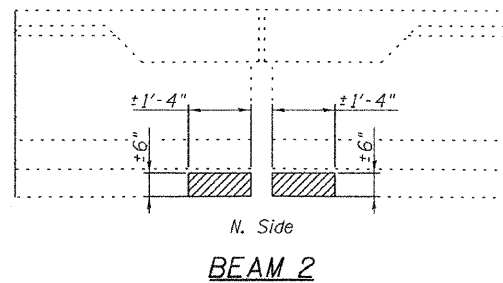
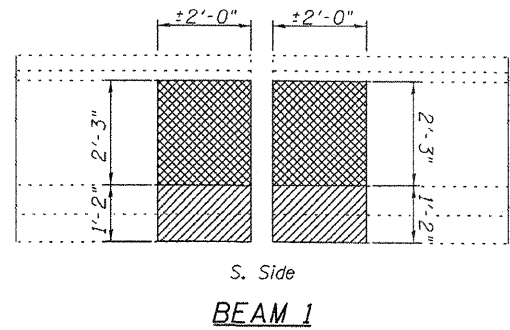
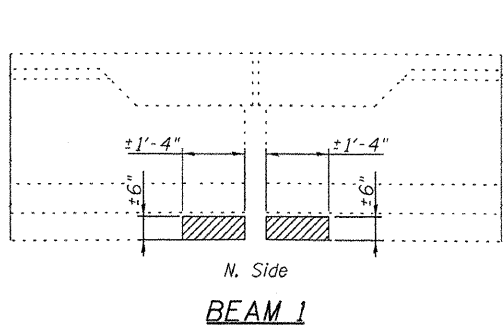
- * Damaged areas within the beam's flanges are to be repaired per Structural Repair of Concrete (Depth equal to or less than 5") only.
- ** Damaged area within the beam's web are to be repaired per Polymer Modified Portland Cement Mortar only. (Typ. all locations)

BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	9.4
** Polymer Modified Portland Cement Mortar	Sq. Ft.	4.3

PPC I-BEAM REPAIR DETAILS
 (EAST ABUTMENT)
 S.N. 014-0049

Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 14	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17 SHEETS	327	14-12BR-1	CLINTON	72	58
	CONTRACT NO. 76B27					
		FED. ROAD DIST. NO. _		ILLINOIS		FED. AID PROJECT



Note: Hatched area indicates approximate area of Structural Repair of Concrete. Cross-hatched area indicates approximate area of Polymer Modified Portland Cement Mortar. Exact repairs are to be determined by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	21.0
** Polymer Modified Portland Cement Mortar	Sq. Ft.	13.6

* Damaged areas within the beam's flanges are to be repaired per Structural Repair of Concrete (Depth equal to or less than 5") only.

** Damaged area within the beam's web are to be repaired per Polymer Modified Portland Cement Mortar only.

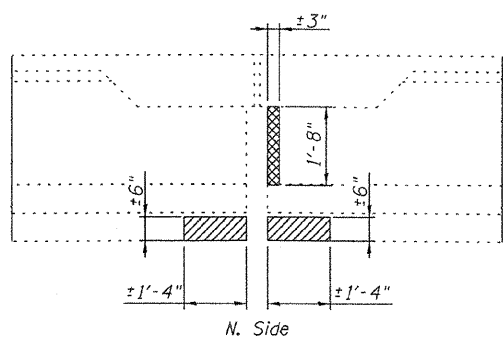
PPC I-BEAM REPAIR DETAILS (PIER 3) S.N. 014-0049



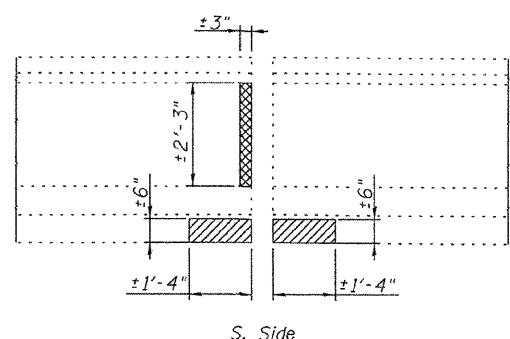
Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

SHEET NO. 15
17 SHEETS

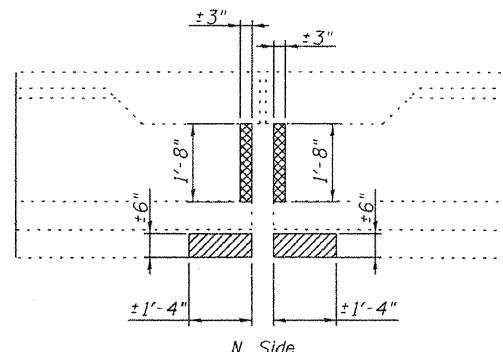
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	14-12BR-1	CLINTON	72	59
CONTRACT NO. 76B27				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



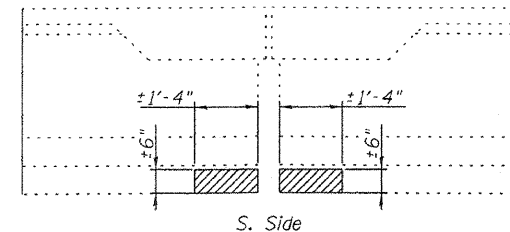
BEAM 1



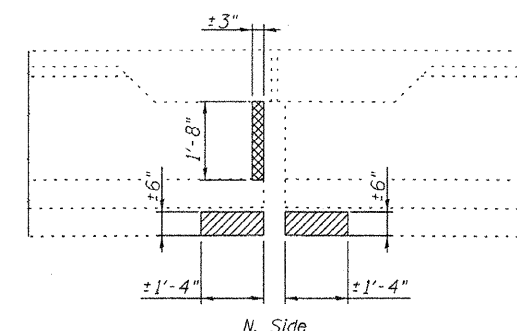
BEAM 1



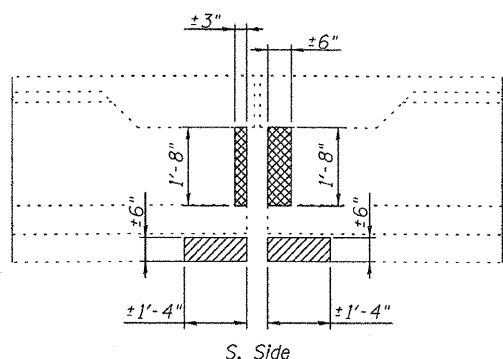
BEAM 2



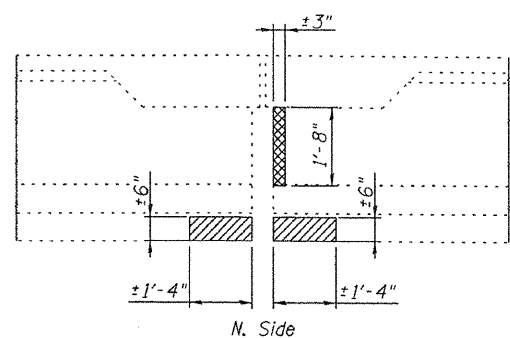
BEAM 2



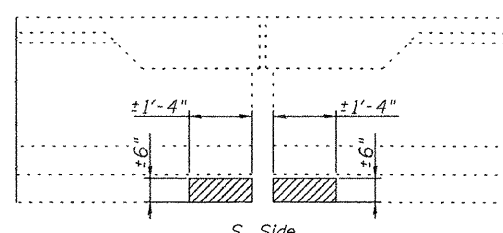
BEAM 3



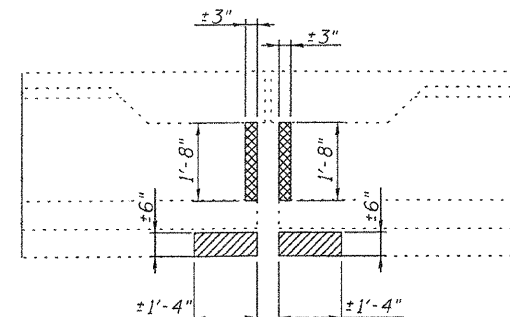
BEAM 3



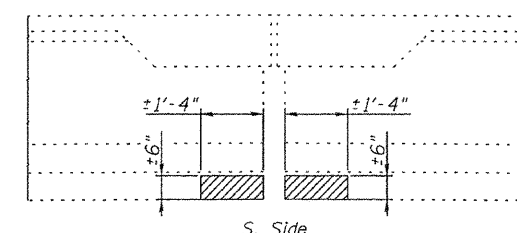
BEAM 4



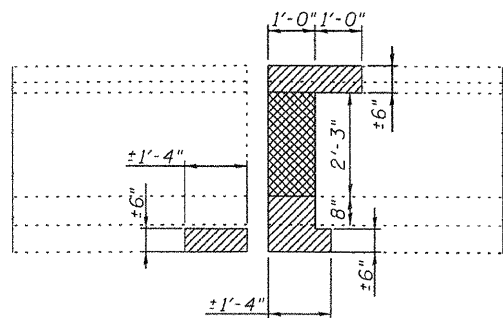
BEAM 4



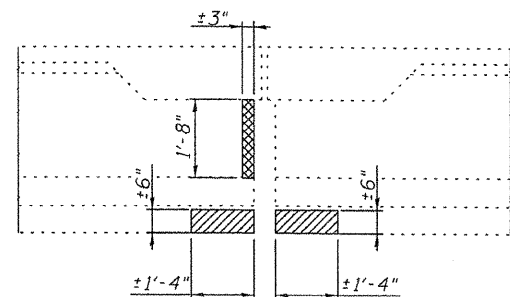
BEAM 5



BEAM 5



BEAM 6



BEAM 6


Note:
 Hatched area indicates approximate area of Structural Repair of Concrete.
 Cross-Hatched area indicates approximate area of Polymer Modified Portland Cement Mortar.
 Exact repairs are to be determined by the Engineer.

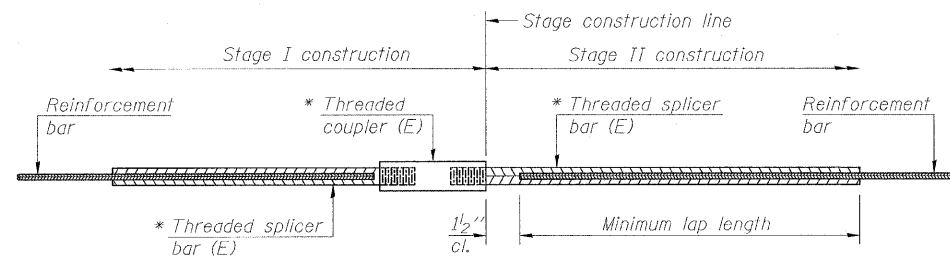
BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	17.6
** Polymer Modified Portland Cement Mortar	Sq. Ft.	7.4

- * Damaged areas within the beam's flanges are to be repaired per Structural Repair of Concrete (Depth equal to or less than 5") only.
- ** Damaged area within the beam's web are to be repaired per Polymer Modified Portland Cement Mortar only.

**PPC I-BEAM REPAIR DETAILS
 (PIER 6)
 S.N. 014-0049**

 Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907	SHEET NO. 16 17 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		327	14-12BR-1	CLINTON	72	60
		CONTRACT NO. 76B27				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

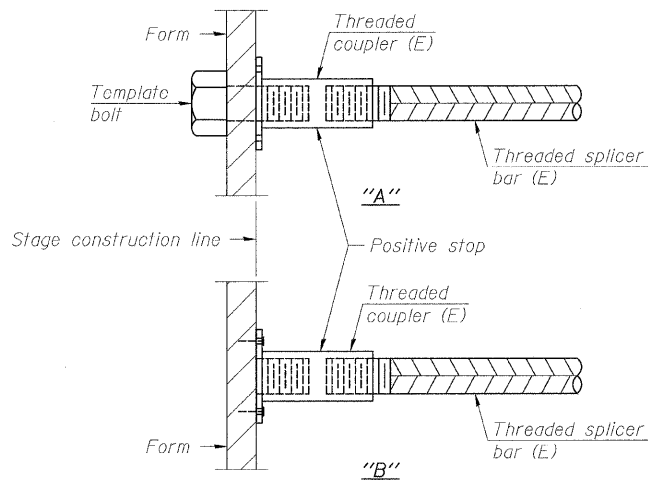
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
 Table 2: Black bar, Top bar lap, 0.8 Class C
 Table 3: Epoxy bar, 0.8 Class C
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

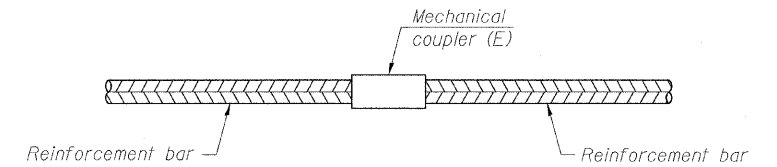
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#7	36	4
Deck	#6	90	4
Backwall	#6	8	4



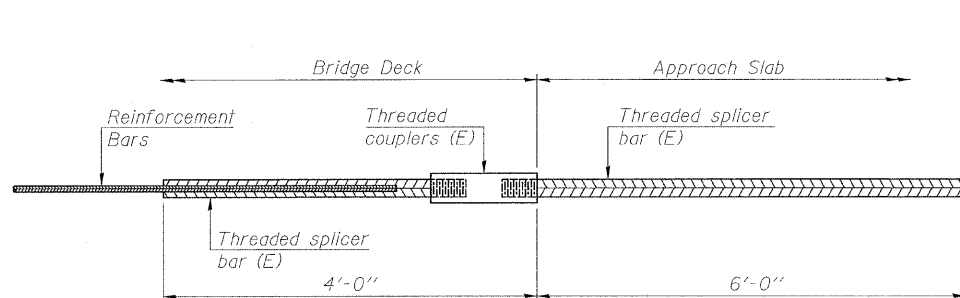
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



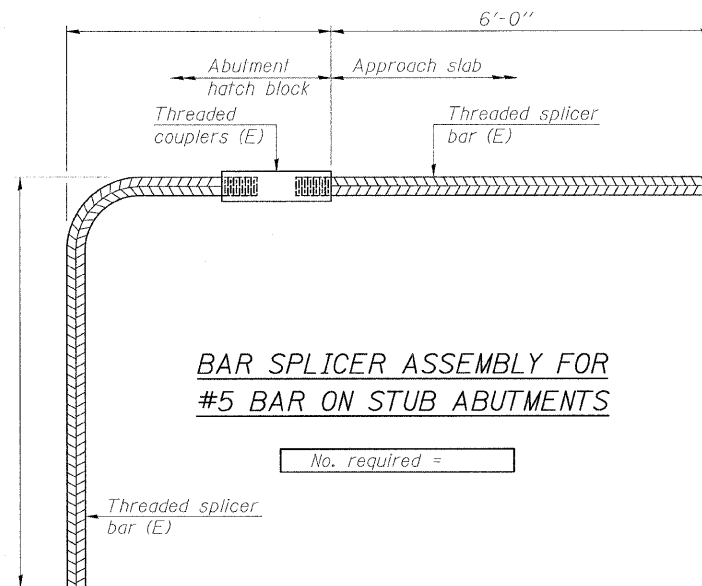
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



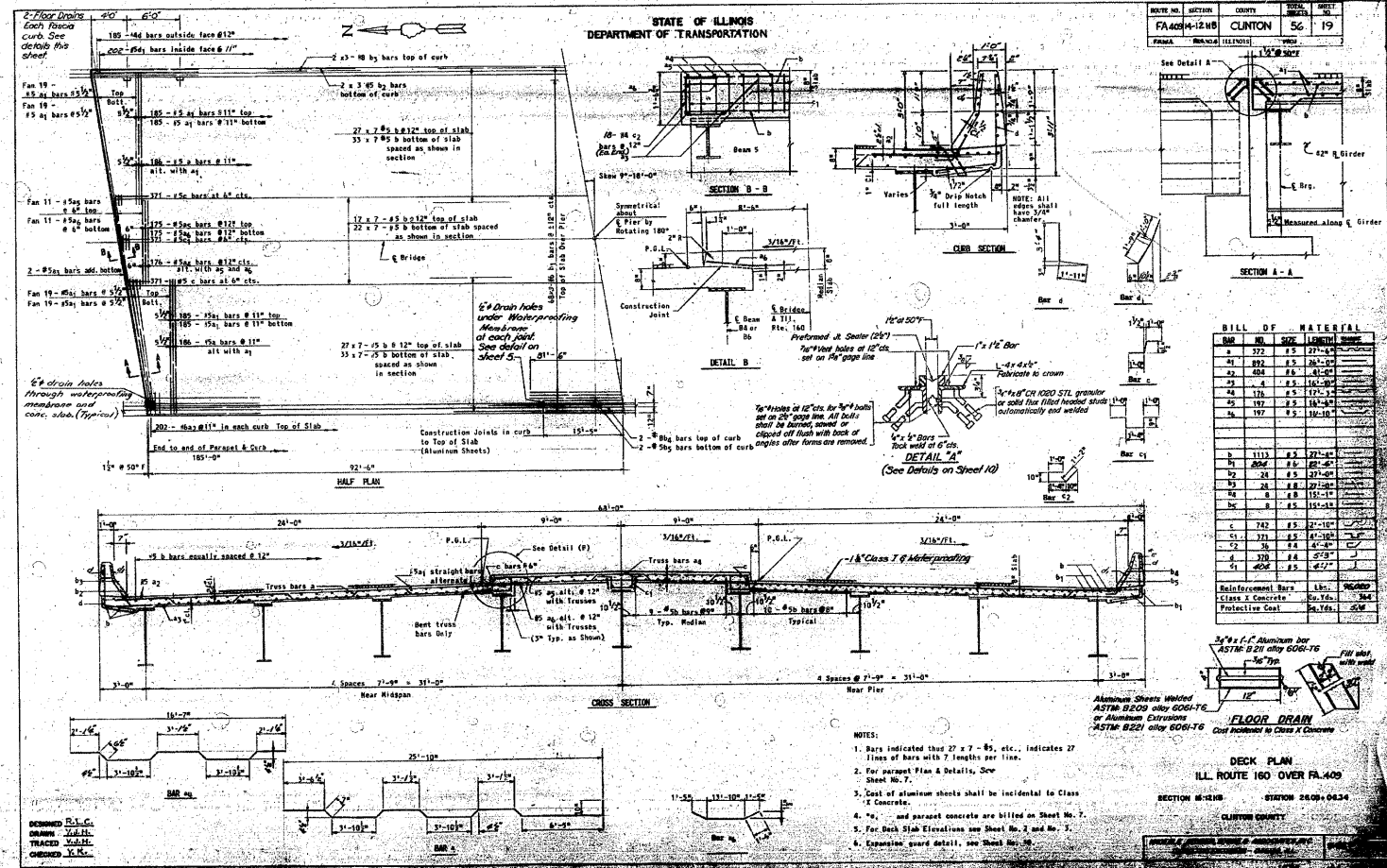
BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER DETAILS
 S.N. 014-0049



BILL OF MATERIAL

NO.	QTY.	DESCRIPTION
1	1.00	12" dia. floor drain
2	1.00	1/2" slope floor drain
3	1.00	12" dia. floor drain
4	1.00	1/2" slope floor drain
5	1.00	12" dia. floor drain
6	1.00	1/2" slope floor drain
7	1.00	12" dia. floor drain
8	1.00	1/2" slope floor drain
9	1.00	12" dia. floor drain
10	1.00	1/2" slope floor drain
11	1.00	12" dia. floor drain
12	1.00	1/2" slope floor drain
13	1.00	12" dia. floor drain
14	1.00	1/2" slope floor drain
15	1.00	12" dia. floor drain
16	1.00	1/2" slope floor drain
17	1.00	12" dia. floor drain
18	1.00	1/2" slope floor drain
19	1.00	12" dia. floor drain
20	1.00	1/2" slope floor drain
21	1.00	12" dia. floor drain
22	1.00	1/2" slope floor drain
23	1.00	12" dia. floor drain
24	1.00	1/2" slope floor drain
25	1.00	12" dia. floor drain
26	1.00	1/2" slope floor drain
27	1.00	12" dia. floor drain
28	1.00	1/2" slope floor drain
29	1.00	12" dia. floor drain
30	1.00	1/2" slope floor drain
31	1.00	12" dia. floor drain
32	1.00	1/2" slope floor drain
33	1.00	12" dia. floor drain
34	1.00	1/2" slope floor drain
35	1.00	12" dia. floor drain
36	1.00	1/2" slope floor drain
37	1.00	12" dia. floor drain
38	1.00	1/2" slope floor drain
39	1.00	12" dia. floor drain
40	1.00	1/2" slope floor drain
41	1.00	12" dia. floor drain
42	1.00	1/2" slope floor drain
43	1.00	12" dia. floor drain
44	1.00	1/2" slope floor drain
45	1.00	12" dia. floor drain
46	1.00	1/2" slope floor drain
47	1.00	12" dia. floor drain
48	1.00	1/2" slope floor drain
49	1.00	12" dia. floor drain
50	1.00	1/2" slope floor drain
51	1.00	12" dia. floor drain
52	1.00	1/2" slope floor drain
53	1.00	12" dia. floor drain
54	1.00	1/2" slope floor drain
55	1.00	12" dia. floor drain
56	1.00	1/2" slope floor drain
57	1.00	12" dia. floor drain
58	1.00	1/2" slope floor drain
59	1.00	12" dia. floor drain
60	1.00	1/2" slope floor drain
61	1.00	12" dia. floor drain
62	1.00	1/2" slope floor drain
63	1.00	12" dia. floor drain
64	1.00	1/2" slope floor drain
65	1.00	12" dia. floor drain
66	1.00	1/2" slope floor drain
67	1.00	12" dia. floor drain
68	1.00	1/2" slope floor drain
69	1.00	12" dia. floor drain
70	1.00	1/2" slope floor drain
71	1.00	12" dia. floor drain
72	1.00	1/2" slope floor drain
73	1.00	12" dia. floor drain
74	1.00	1/2" slope floor drain
75	1.00	12" dia. floor drain
76	1.00	1/2" slope floor drain
77	1.00	12" dia. floor drain
78	1.00	1/2" slope floor drain
79	1.00	12" dia. floor drain
80	1.00	1/2" slope floor drain
81	1.00	12" dia. floor drain
82	1.00	1/2" slope floor drain
83	1.00	12" dia. floor drain
84	1.00	1/2" slope floor drain
85	1.00	12" dia. floor drain
86	1.00	1/2" slope floor drain
87	1.00	12" dia. floor drain
88	1.00	1/2" slope floor drain
89	1.00	12" dia. floor drain
90	1.00	1/2" slope floor drain
91	1.00	12" dia. floor drain
92	1.00	1/2" slope floor drain
93	1.00	12" dia. floor drain
94	1.00	1/2" slope floor drain
95	1.00	12" dia. floor drain
96	1.00	1/2" slope floor drain
97	1.00	12" dia. floor drain
98	1.00	1/2" slope floor drain
99	1.00	12" dia. floor drain
100	1.00	1/2" slope floor drain

- NOTES:**
1. Bars indicated that 27 x 7 - 85, etc., indicates 27 lines of bars with 7 lengths per line.
 2. For exact Plan & Details, See Sheet No. 7.
 3. Cost of aluminum sheets shall be incidental to Class 2 Concrete.
 4. "x", "y", and paracet concrete are billed on Sheet No. 7.
 5. For Deck Slab Elevations see Sheet No. 2 and No. 3.
 6. Expansion guard detail, see Sheet No. 30.

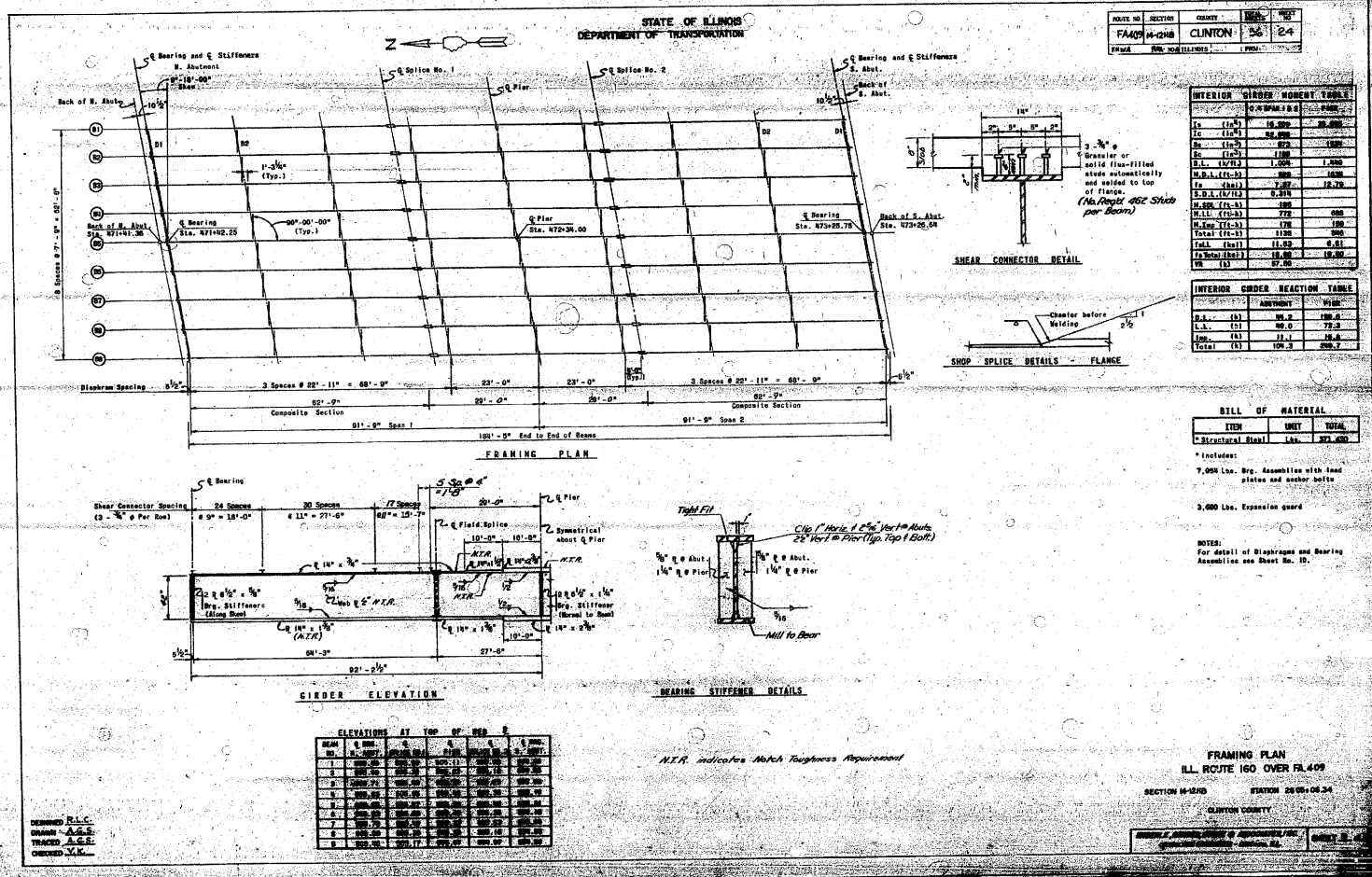
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 USER NAME = marrm
 PLOT SCALE = 50.0000 "/ IN.
 PLOT DATE = 12/3/2009

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

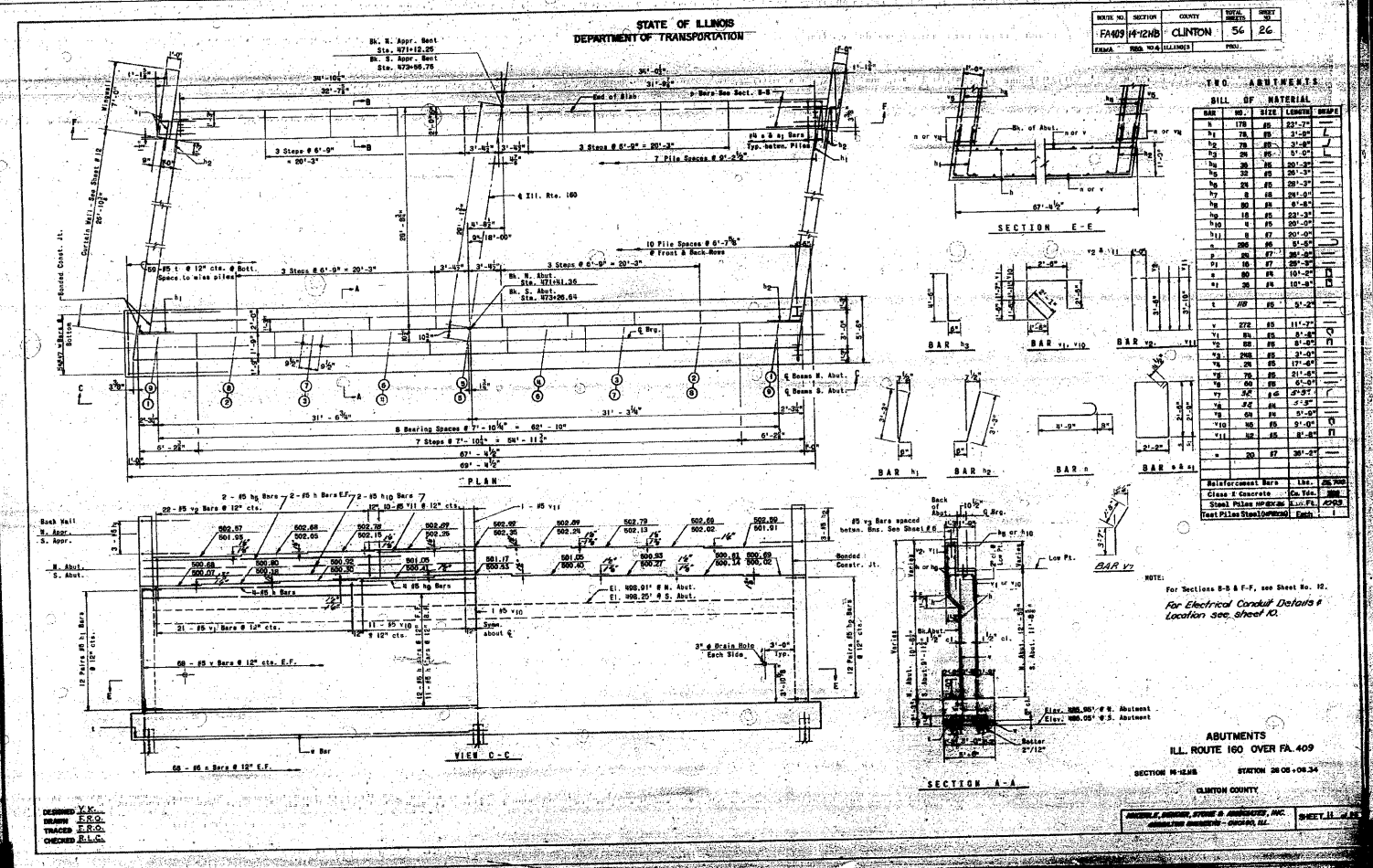
**EXISTING STRUCTURE PLANS
 LOCATION 1**
 SCALE: NO SCALE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 327	SECTION 14-12BR-1	COUNTY CLINTON	TOTAL SHEETS 72	SHEET NO. 62
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76B27		

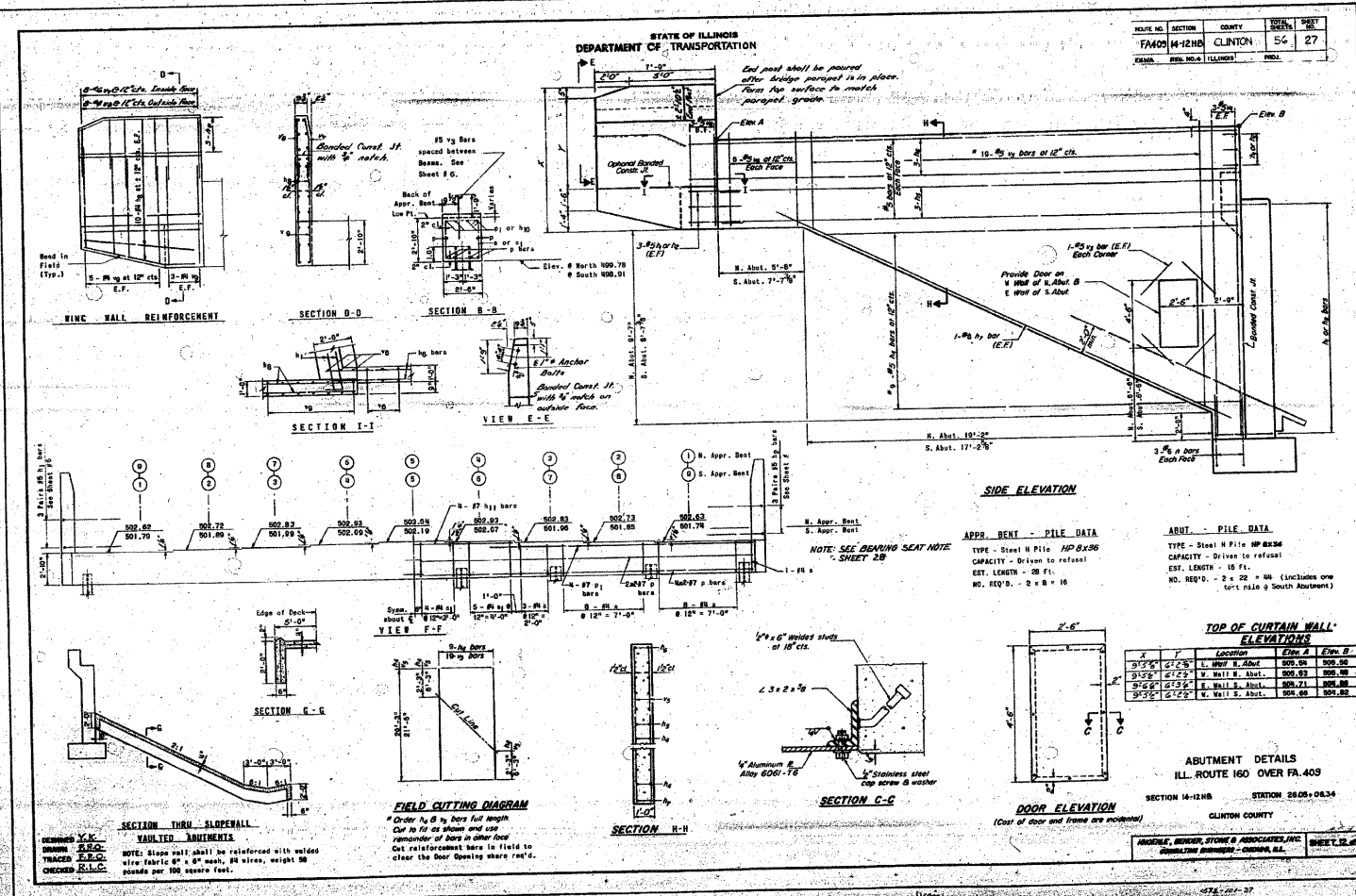


INTERIOR GIRDER MOMENT TABLE

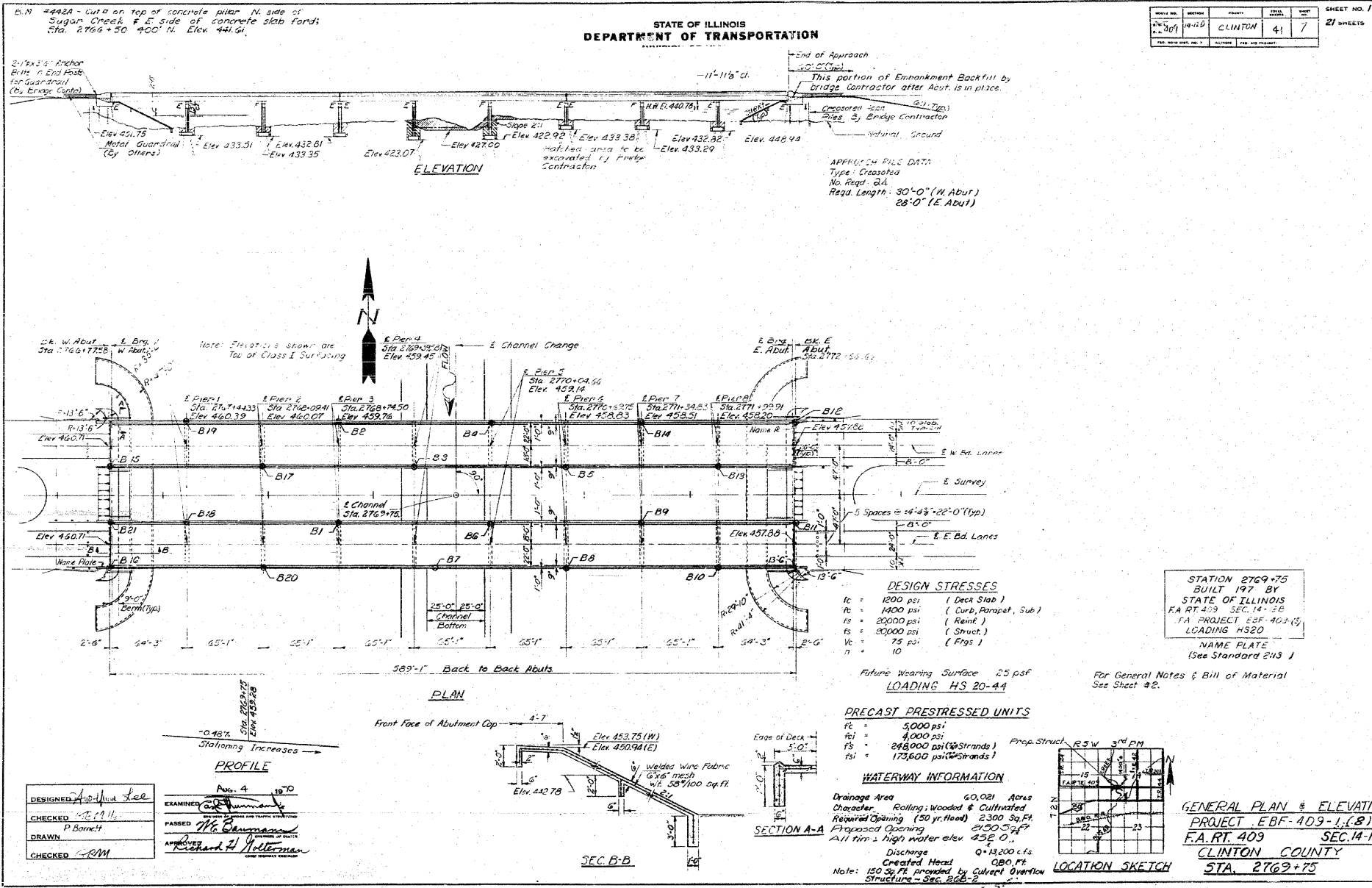
Span	Location	Moment	Notes
1	1/4	16,000	
1	1/2	28,000	
1	3/4	275	
1	1	1,000	
1	1 1/4	1,200	
1	1 1/2	1,000	
1	1 3/4	1,200	
1	2	1,000	
1	2 1/4	1,200	
1	2 1/2	1,000	
1	2 3/4	1,200	
1	3	1,000	
1	3 1/4	1,200	
1	3 1/2	1,000	
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1	5 1/4	1,200	
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1	8 3/4	1,200	
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1	9 1/4	1,200	
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1	45 1/2	1,000	
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1	46	1,000	
1	46 1/4	1,200	
1	46 1/2	1,000	
1	46 3/4	1,200	
1	47	1,000	
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1	47 1/2	1,000	
1	47 3/4	1,200	
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1	48 1/4	1,200	
1	48 1/2	1,000	
1	48 3/4	1,200	
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1	49 1/4	1,200	
1	49 1/2	1,000	
1	49 3/4	1,200	
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1	50 1/4	1,200	
1	50 1/2	1,000	
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1	52	1,000	
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1	52 1/2	1,000	
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1	86	1,000	
1	86 1/4	1,200	
1	86 1/2		



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 1	F.A.P. RTE. 327	SECTION 14-12BR-1	COUNTY CLINTON	TOTAL SHEETS 72	SHEET NO. 66
CONTRACT NO. 76B27	CONTRACT NO. 76B27	DRAWN -	REVISED -		SCALE: NO SCALE	SHEET NO. 6 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		CHECKED -	REVISED -							
		DATE -	REVISED -							



FILE NAME =	USER NAME = marintm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd:\pw\work\pwsdot\marintm\dms52478\pln10287b.dgn		DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	606A	
PLOT SCALE = 500.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27					
PLOT DATE = 12/3/2009		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
						SCALE: NO SCALE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
2069	14-12B	41	7

E.L.N. #442A - Cut on top of concrete pier N. side of Sugar Creek E.E. side of concrete slab ford; Sta. 2766+50 Elev. 441.51.

2 1/2" x 3" Anchor Bolt in End Made for Guardrail (by Bridge Contractor)

Elev. 426.78 Metal Guardrail (by Others)

Elev. 433.51

Elev. 432.81

Elev. 433.95

Elev. 423.07

Elev. 427.00

Elev. 422.92

Elev. 433.38

Elev. 432.82

Elev. 433.29

Elev. 448.48

End of Approach 40' (5' Grd)

This portion of Embankment Backfill by Bridge Contractor after Asst. is in place.

Coarser 200 Piles by Bridge Contractor

Natural Ground

APPROACH PILES DATA
Type: Standard
No. Req'd: 24
Req'd Length: 30'-0" (W. Abut.)
28'-0" (E. Abut.)

Channel Change

Channel Sta. 2769+75

Back to Back Abutts 389'-1"

Front Face of Abutment Cap 4'-7"

Elev. 453.75 (W)

Elev. 450.94 (E)

Elev. 442.78

Welded Wire Fabric 6"x6" mesh w/ 38#/100 sq. ft.

Edge of Deck 5'-0"

SECTION A-A

SECTION B-B

DESIGN STRESSES

fc = 1200 psi (Deck Slab)

ft = 1400 psi (Curb, Rampet, Sub)

fs = 20000 psi (Reinf.)

fs = 30000 psi (Struct.)

fv = 75 psi (Frgs)

n = 10

Future Wearing Surface 25 psf

LOADING HS 20-44

PRECAST PRESTRESSED UNITS

fc = 5000 psi

ft = 4000 psi

fs = 28000 psi (10 Strands)

fs = 17000 psi (5 Strands)

WATERWAY INFORMATION

Drainage Area 60,021 Acres

Character Rolling; Wooded & Cultivated

Required Opening (50 yr. Flood) 2300 Sq. Ft.

Proposed Opening 2100 Sq. Ft.

All firm; High water elev. 452.0'

Discharge 0-13,200 cfs

Created Head 0.80 ft

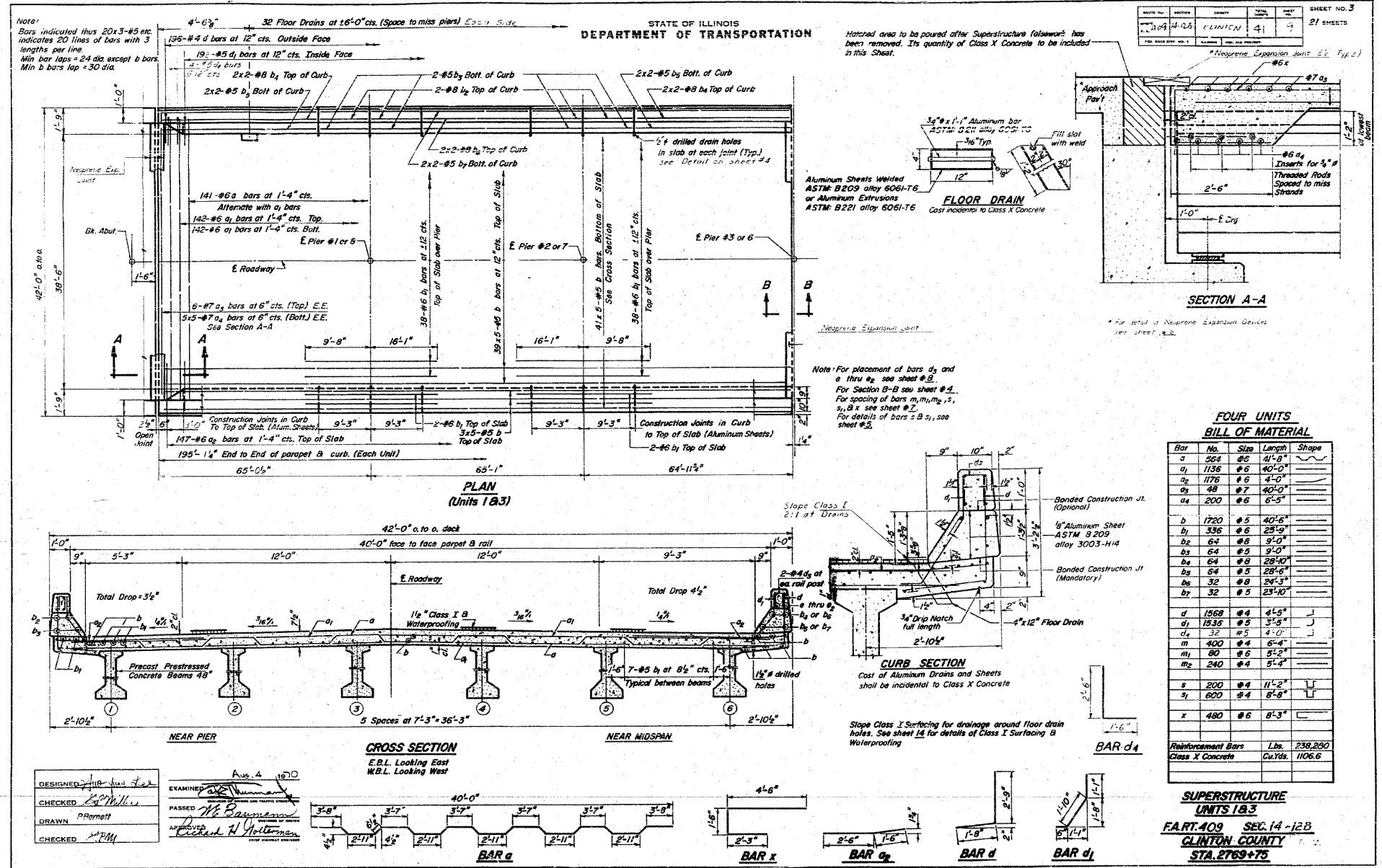
Note: 150 Sq. Ft. provided by Culvert Overflow Structure - Sec. 266-2

DESIGNED	APL/MLL	EXAMINED	W.C. Gammann
CHECKED	P. Barnett	PASSED	W.C. Gammann
DRAWN		APPROVED	Richard H. Helmerman
CHECKED	LRM		

STATION 2769+75
BUILT 197 BY
STATE OF ILLINOIS
F.A.R.T. 409 SEC. 14-12B
PROJECT EBF-409-1-(B)
LOADING HS20
NAME PLATE
(See Standard 213)

For General Notes & Bill of Material
See Sheet #2.

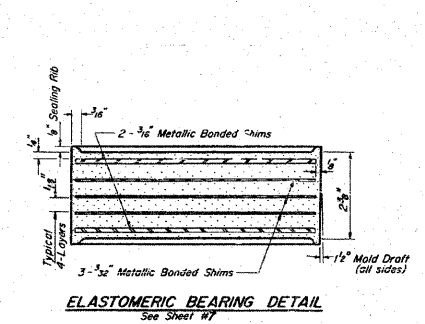
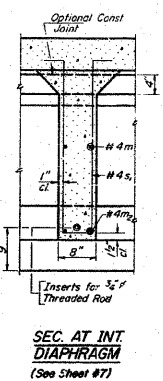
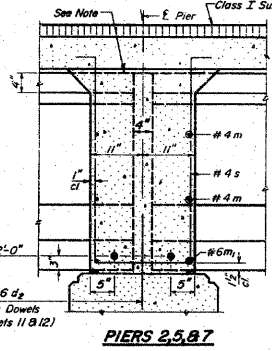
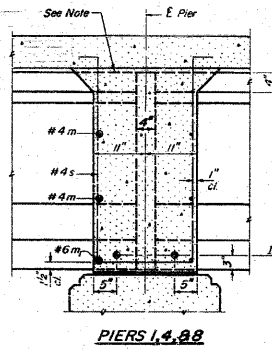
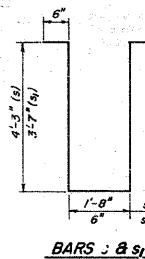
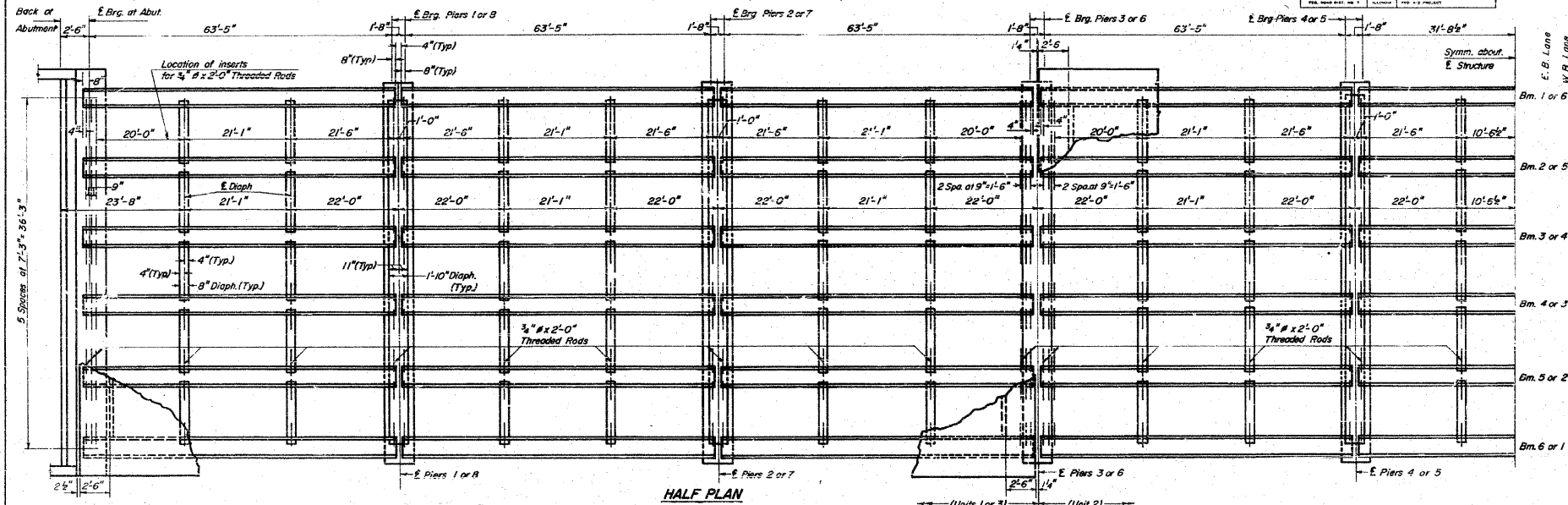
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ca:\pwork\pwork\manntm\dms52470\p1n1027b.dgn		DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	67	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27					
PLOT DATE = 12/3/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = manntm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
en\pwork\pwork\manntm\dms52470\p1n1807b.dgn		DRAWN -	REVISED -			327	14-12BR-1	CLINTON	72	167A
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -	SCALE: NO SCALE	SHEET NO. 2 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 76B27		
PLOT DATE = 12/3/2009		DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	14-128	SECTION	CLINTON	SHEET NO.	72
DATE	1/27/66	SCALE	NO SCALE	TOTAL SHEETS	72
				SHEET NO.	69
				CONTRACT NO.	76B27



DESIGNED *John J. Miller*
CHECKED *C. B. Miller*
DRAWN *W. J. Miller*
CHECKED *GRM*

EXAMINED *Richard H. Williams*
PASSED *Richard H. Williams*
APPROVED *Richard H. Williams*

Aug 4 1970

P1-2J 1-27-66

Note: Four diaphragms flush with top of beam. Concrete in slab above this line shall be placed not less than 45 min. nor more than 90 min. after diaphragm has been poured.

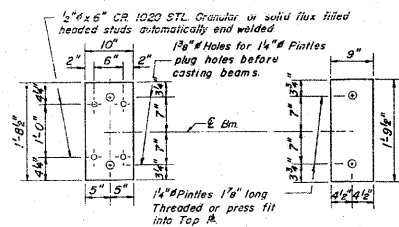
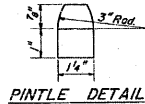
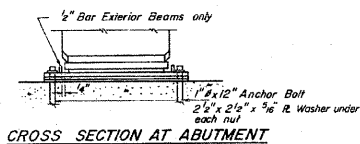
Bars m, m₁, m₂, s & s₁ are included in Bill of Material on Sheet #3 & 4.

FRAMING PLAN
F.A.R.T. 409 SEC. 14-128
CLINTON COUNTY
STA. 2769+75

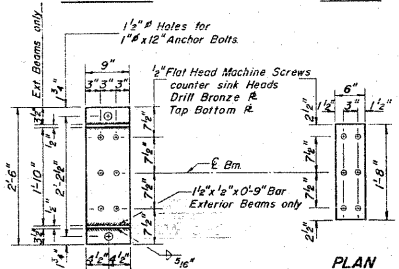
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/3/2009		DATE -	REVISED -			SCALE: NO SCALE	SHEET NO. 4 OF 8 SHEETS	STA.	TO STA.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

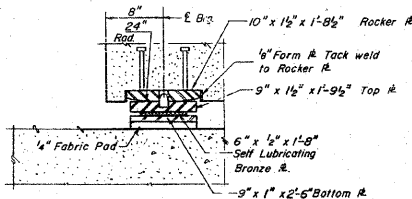
DATE	REVISION	BY	NO.	DATE	SHEET NO.
11/14/09	14-118	CLINTON	41	13	21 SHEETS



PLAN TOP #

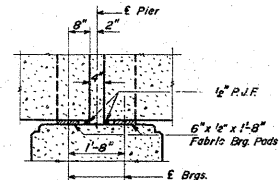
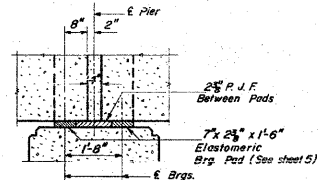
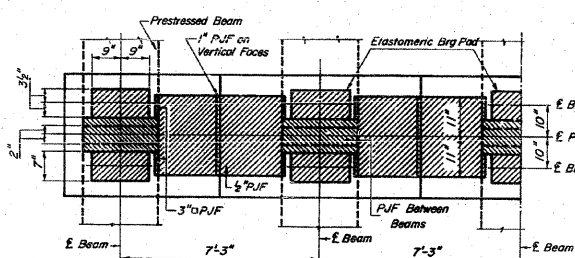
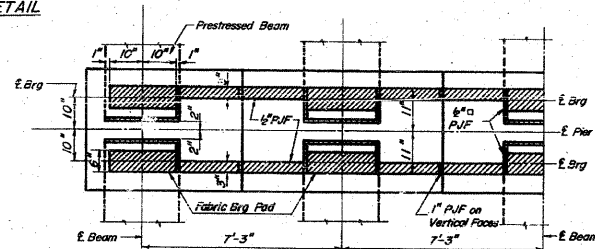


PLAN BOTTOM #



DESIGNED	APR-11-11-09	EXAMINED	APR 4 2010
CHECKED	GRM/llc	PASSED	11/6/09
DRAWN	TR Fuller	DATE	11/6/09
CHECKED	GRM	BY	Richard H. Goltzman

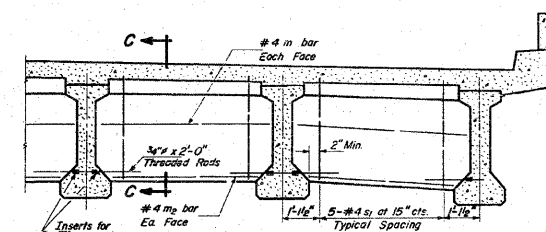
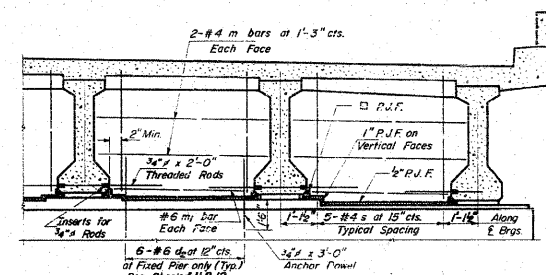
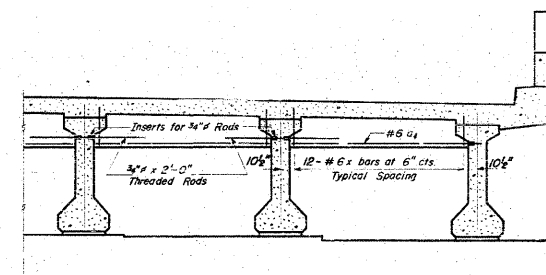
PI-3 8-1-63 Rev. 1-2-64 Rev. 1-27-66



EXPANSION PIERS 1,4,88
(Dimensions Along E of Beam)

FIXED PIERS 2,5,87
(Dimensions Along E of Beam)

Note:
Weight of Top Plates, Bottom Plates, Bronze Plates and Shim Plates of Bearing Assemblies is included in the weight of Structural Steel on Sheet 52.
Cost of Rocker R. cast into beam is included in the cost of Furnishing and Erecting Precast Prestressed Concrete I-Beams.



INTERIOR DIAPHRAGMS
(For Section C-C See Sheet 55, Section at Int. Diaph.)

BEARING DETAILS
PART 409 SEC 14-12B
CLINTON COUNTY
STA. 2769+75

FILE NAME =	USER NAME = marvtn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76B27				
PLOT DATE = 12/3/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: NO SCALE SHEET NO. 6 OF 8 SHEETS STA. TO STA.

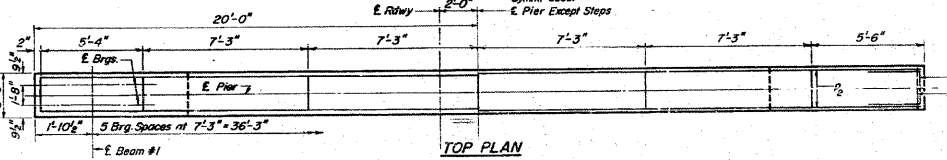
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO. 309/1428 COUNTY CLINTON DIST. 41 SHEET NO. 11
21 SHEETS

PILE DATA

Type Steel: A12x5.3
Capacity: Drive to Refusal
No. Req'd: 164 + 4 Test Piles

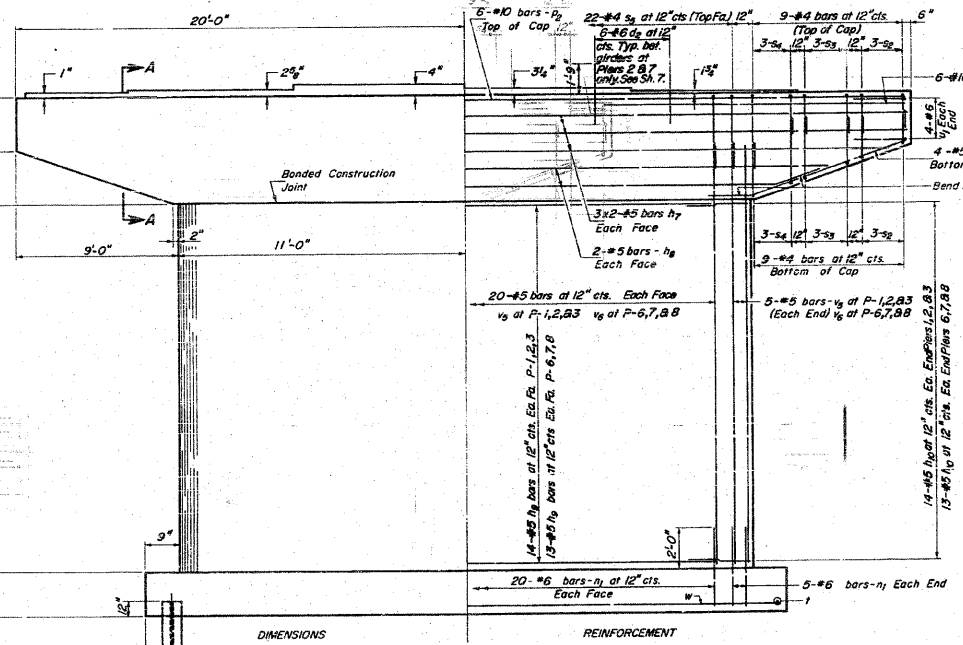
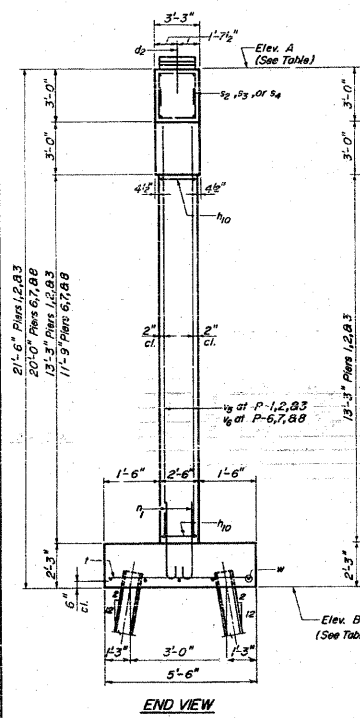
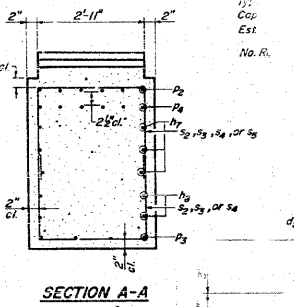
Pier #	W. Bound	E. Bound	WBL	EBL
1	61'-0"	51'-0"	1	1
2	59'-0"	58'-0"	1	1
3	58'-0"	55'-0"	1	1
6	51'-0"	63'-0"	1	1
7	51'-0"	63'-0"	1	1
8	66'-0"	64'-0"	1	1



Note: Space reinforcement in cap to miss anchor bolts. Minimum bar laps = 24 dia unless otherwise noted. All edges shall have standard 3/4 chamfers except as noted. Pile steps monolithically with cap.

TABLE OF PIER ELEVATIONS

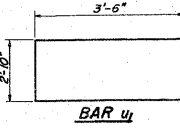
Pier #	A	B
1	455.01	433.51
2	454.85	433.35
3	454.31	432.81
6	453.30	433.30
7	453.29	433.29
8	452.82	432.82



A & B DIMENSIONS

Bar	A	B
1	2'-11"	2'-3"
2	2'-11"	2'-9"
3	2'-11"	3'-5"
4	2'-11"	4'-6"

BARS



TWELVE PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
da	120	#6	3'-6"	—
hb	144	#5	20'-5"	—
hg	48	#5	34'-0"	—
hh	324	#5	18'-5"	—
ho	324	#5	6'-2"	—
h1	600	#6	4'-5"	—
h2	72	#10	30'-0"	—
h3	96	#5	10'-6"	—
h4	144	#10	14'-0"	—
h5	144	#4	7'-5"	—
h6	144	#4	9'-5"	—
h7	144	#4	9'-9"	—
h8	264	#4	11'-11"	—
i	336	#5	5'-3"	—
u	96	#6	9'-10"	—
v	300	#5	15'-0"	—
w	300	#5	14'-4"	—
w	60	#5	23'-3"	—

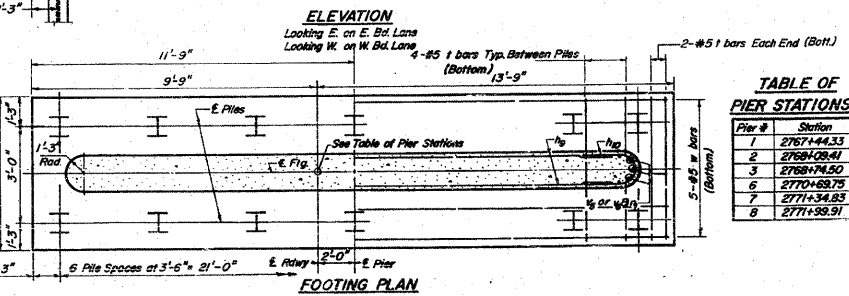
Class X Concrete Cu Yds. 744.9
Reinforcement Bars Lbs. 58,790
Steel Piles (HP12x5.3) Lin. Ft. 9058
Test Piles Steel (HP12x5.3) Ea. 4

PIERS # 1,2,3,6,7,8,8
F.A.R.T. 409 SEC. 14-28
CLINTON COUNTY
STA. 2769+72

DESIGNED: JAC-1/10/20
CHECKED: GPM/MLK
DRAWN: G. Ritchie
CHECKED: GPM

EXAMINED: [Signature]
DESIGNED: [Signature]
APPROVED: [Signature]

P-10, 1/20 5-20-88



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	14-128	SECTION	41	SHEET NO.	12
					21 SHEETS

PILE DATA
Type Steel H-12 x 53
Capacity Drive to Refusal
Length Pile 49'-0" W Bound 55'-0" E Bound
Reqd. 62+1 Test Pile of P-4 WBL
B 1 Test Pile of P-5 EBL

Note:
Space reinforcement in cap to miss anchor bolts.
Minimum bar laps = 24 dia. unless otherwise noted.
All edges shall have standard 1/4" chamfers except as noted.
Four steps monolithically with cap.

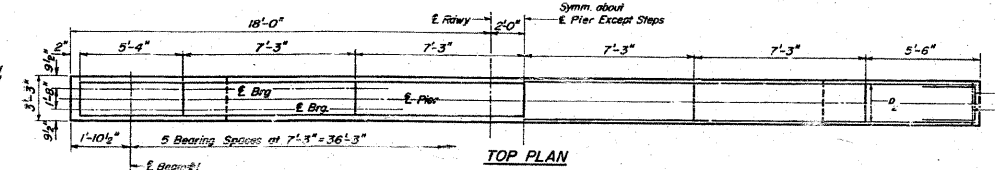
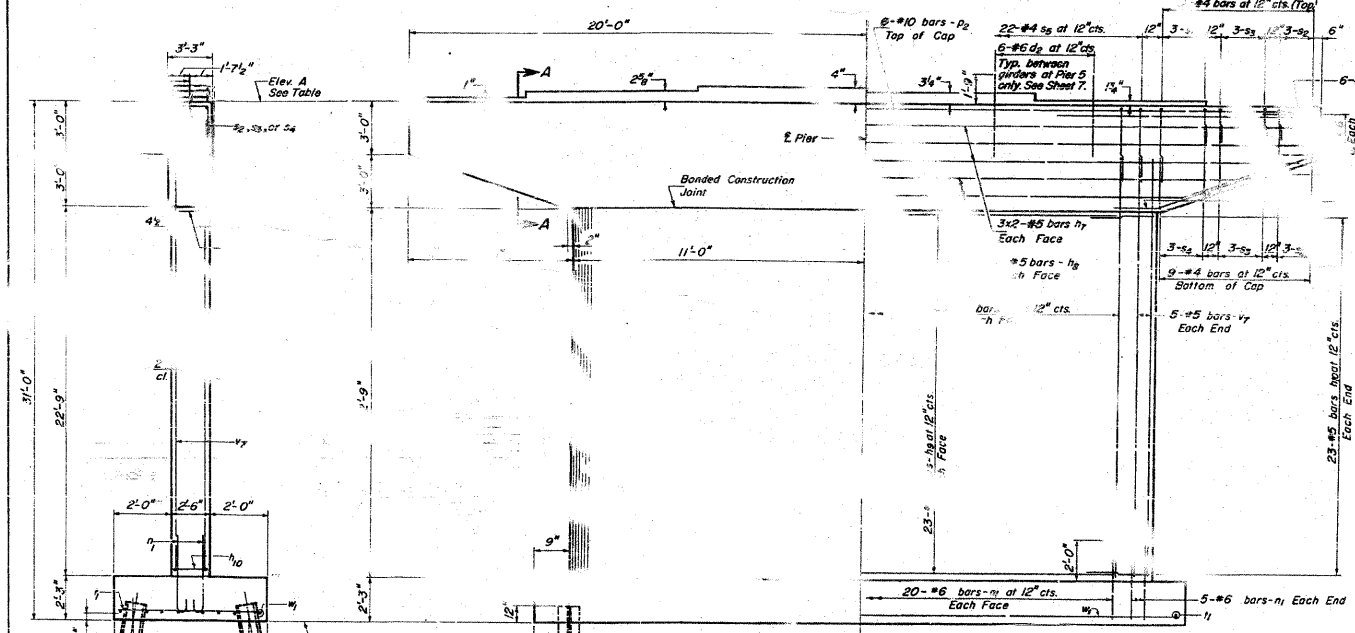
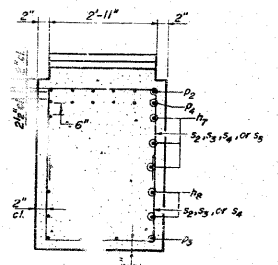


TABLE OF PIER ELEVATIONS

	A	B
Pier #4	424.07	423.07
Pier #5	423.92	422.92



A & B DIMENSIONS

Bar	A	B
n	2'-11"	2'-3"
p	2'-11"	2'-9"
q	2'-4"	3'-5"
r	2'-11"	4'-6"

FOOTING PIER MATERIAL

Bar	No.	Size	Length	Shape
de	60	#5	3'-6"	
hy	48	#5	20'-5"	
hg	16	#5	4'-0"	
hh	184	#5	1'-6"	
hh	184	#5	1'-6"	
ni	200	#6	4'-0"	
pi	24	#10	39'-6"	
ps	32	#5	10'-6"	
pt	28	#10	14'-0"	
q	48	#4	7'-3"	
sg	48	#4	8'-5"	
sh	48	#4	9'-9"	
sh	88	#4	11'-4"	
u	128	#8	6'-3"	
u	32	#6	9'-10"	
v	200	#5	25'-6"	
w	24	#5	23'-3"	

Class X Concrete Cu.Yds. 3377
Reinforcement Bars Lbs. 25,530
Steel Piles (H-12 x 53) Lin.Ft. 3018
Test Piles Steel (H-12 x 53) Each 2

DESIGNED: [Signature]
CHECKED: P. Barnett
DRAWN: G. Ritchie
APPROVED: [Signature]
P-10; 1/2" = 2'-0" 5-20-68

PIERS 485
F.A.R.T. 409 SEC. 14-128
CLINTON COUNTY
STA. 2769+75

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\pwwork\pwwork\mannta\dms52478\p1n10	097b.dgn	DRAWN -	REVISED -			327	14-128R-1	CLINTON	72	72A
		CHECKED -	REVISED -			CONTRACT NO. 76827				
		DATE -	REVISED -			FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				