FOR INDEX OF SHEETS, SEE SHEET NO. 2

2003 ADT = 2900

ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT

ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

1-800-892-0123

CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS

CONTRACT NO. 94771 TOWNSHIP : ENFIELD

STATE OF ILLINOIS

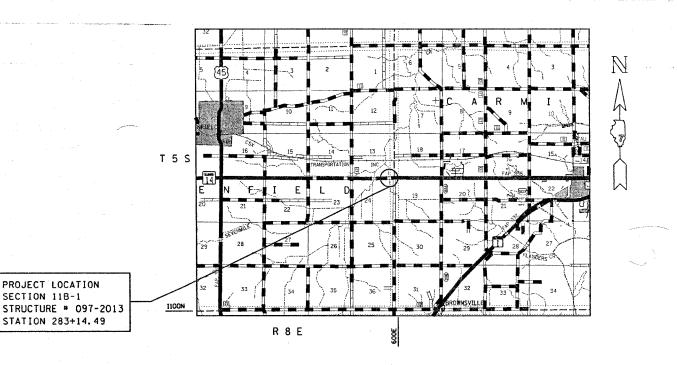
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 855 (ILL 14) SECTION 11B-1 PROJECT NO. BRF-855-(005) WHITE COUNTY

C-97-034-05



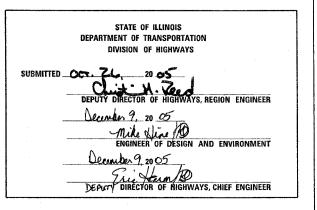
GROSS LENGTH = 89.34 NET LENGTH = 89.34

FEET = .017 MILES FEET = .017 MILES

COUNTY TOTAL SHEETS NO.

D-97-044-99





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN SECTION 11B-1 CONSISTS OF THE COMPLETE REMOVAL AND REPLACEMENT OF THE EXISTING STRUCTURE WITH A NEW TRIPLE BOX CULVERT, BITUMINOUS CONCRETE PAVEMENT, GUARDRAIL, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION. THE WORK SHALL BE COMPLETED USING STAGED CONSTRUCTION AND TRAFFIC SIGNALS.

PRIOR TO THE PLACEMENT OF THE TEMPORARY BRIDGE RAIL, THE REINFORCED CONCRETE HANDRAIL ON THE SOUTH SIDE OF THE BRIDGE SHALL BE REMOVED AS NOTED IN THE PLANS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY. BUT SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS INVOLVED.

PRIOR TO THE PLACEMENT OF TRAFFIC CONTROL STANDARD 701321, TEMPORARY BRIDGE RAIL SHALL BE PLACED ON STAGE I TRAFFIC SIDE OF THE STRUCTURE WITH TRAFFIC BARRIER TERMINAL TYPE 5A AND TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT). DURING STAGE II CONSTRUCTION, ONE END SECTION SHALL BE REMOVED AND RE-ERECTED AT A NEW LOCATION AS NOTED IN THE PLANS.

A FOG COAT OF BITUMINOUS MATERIALS PRIME COAT SHALL BE APPLIED TO ALL BINDER LIFTS ON THE PROPOSED FULL DEPTH MAINLINE PAVEMENT. THE CONTRACTOR SHALL USE AN EMULSIFIED POLYMER PRIME PRODUCT CLASSIFIED AS SS-1HP.

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING BITUMINOUS CONCRETE SURFACES. THE SAW CUT SHALL BE MADE FULL DEPTH THROUGH THE EXISTING PAVEMENT. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE BITUMINOUS SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 190 FEET OF YELLOW AND 1.546 FEET OF WHITE.

TEMPORARY CONCRETE BARRIERS ARE LOCATED AT THE MCLEANSBORD IDOT MAINTENANCE YARD LOCATED 7 MILES WEST OF MCLEANSBORD ON ILLINOIS ROUTE 14. A MINIMUM OF 48 HOURS NOTICE WILL BE REQUIRED TO ARRANGE PICKUP AND RETURN OF THE BARRIERS. STATE MAINTENANCE FORCES WILL NOT LOAD OR UNLOAD THE BARRIERS.

BASE COURSE WIDENING SHALL REMAIN IN PLACE. THE WIDENING SHALL, AT THE CONTRACTOR'S OPTION BE CONSTRUCTED OF EITHER PORTLAND CEMENT CONCRETE 8" THICK, OR BITUMINOUS CONCRETE, 10" THICK. TO CONSTRUCT STAGE 2 PORTION OF THE BOX CULVERT, A PORTION OF THE BASE COURSE WIDENING WILL BE REMOVED. AT THE COMPLETION OF THE CONSTRUCTION OF THE BOX CULVERT, THE PORTION OF THE BASE COURSE WIDENING REMOVED WILL BE RECONSTRUCTED.

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE: SURFACE COURSE BINDER
PG GRADE: PG 64-22 PG 64-22
RAP%: 15% 25%
DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70

4.0% @ NDESIGN = 70

MIXTURE COMPOSITION: IL-9.5 IL-19.0 FRICTION AGGREGATE: MIXTURE C N/A

MIXTURE USE: BASE COURSE WIDENING INCIDENTAL PG GRADE: PG 64-22 PG 64-22 RAP%: 25% 15%

RAP%: 25% 15%
DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70 4.0% @ NDESIGN = 50
MIXTURE COMPOSITION: IL-19.0 IL-9.5
FRICTION AGGREGATE: N/A MIXTURE C

THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS CONCRETE 112 LBS/SQ YD/IN
AGGREGATE SHOULDERS 2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT) 0.05 GALLON/SQ YD
SUB-BASE GRANULAR MATERIAL 2.05 TONS/CU YD

INDEX OF SHEETS

TTEM

CHEET NO

SHEET NO.	ITEM	
1	COVER SHEET	
2	INDEX OF SHEETS AND GENERAL NOTES	
3	SUMMARY OF QUANTITIES	
4	TYPICAL SECTIONS	
5	DETAILS & TIES	
6	QUANTITY SCHEDULES & TURN DETECTOR LOOP	
7	GUARDRAIL DETAILS AND SCHEDULES	
8	PLAN & PROFILE	
9-10	STAGE CONSTRUCTION	
11-18	BRIDGE PLANS	
19	EROSION CONTROL DETAILS	
20-24	CROSS SECTIONS	
25	TEMPORARY BRIDGE RAIL STANDARD	
23		
THE FOLLOWING	STANDARDS ARE A PART OF THESE PLANS AND ARE	
	R SHEET NO. 25:	
- paper our major - pareción de conservado de es		
STD. NO.	DESCRIPTION	
	TOTAL TANKS OF THE PARTIES OF THE PA	
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	
001001	AREAS OF REINFORCEMENT BARS	
280001-02	TEMPORARY EROSION CONTROL SYSTEMS	
515001-02	NAME PLATE FOR BRIDGES	
630001-05	STEEL PLATE BEAM GUARDRAIL	
630101-05	GUARDRAIL MOUNTED ON EXISTING CULVERTS	
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS	***
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT	
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS	
701001-01	OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' AWAY	
701006-02	OFF-RD OPERATIONS, 2L, 2W 15' TO 24" FROM PAVEMENT EDGE	
701301-02	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS	
701311-02	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY	
701321-08	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER	
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH	
702001-05	TRAFFIC CONTROL DEVICES	
704001-02	TEMPORARY CONCRETE BARRIER	
780001-01	TYPICAL PAVEMENT MARKINGS	
BLR 21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	
•	ON RURAL LOCAL HIGHWAYS	

REVISIO		ILLINOIS DEPARTM	NT OF	TRANSPORTATION
NAME	DATE			
		GENEI	RAL	NOTES
			&	
		INDEX	OF	SHEETS
		SCALE: VERT.		DRAWN BY
		DATE		CHECKED BY

ATE = 10/26/2005 AME = 0FILEL®

PLOT DATE = 10. FILE NAME = 9F PLOT SCALE = 65 USER NAME = di:

CONTRACT NO. 94771

.A.P. ≀TÉ.	SECTION	COUNTY	TOTAL	SHEET NO.
855	118-1	WHITE	25	3
STA.		TO STA.		

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

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES		80%.FED. 20%.STATE		TRUCTION TYPE	CODE
}	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	097-2013 X028-2A	SFTY-3N	
	20200100	EARTH EXCAVATION	CU YD	349	349		
	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	81	81		
-	20400800	FURNISHED EXCAVATION	CU YD	243	243		
	25000200	SEEDING, CLASS 2	ACRE	0.3	0.3		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23		,
.:	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23		
	25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.5	0.5		
.	25100115	MULCH, METHOD 2	ACRE	0.3	0. 3		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	26	26		
	28000300	TEMPORARY DITCH CHECKS	EACH	;4	. 4		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	369	369		
	28200200	FILTER FABRIC	SQ YD	369	369		
	35650700	BASE COURSE WIDENING	SQ YD	257	257		
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	49	49	:	
	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	65	65	t.	
	44000100	PAVEMENT REMOVAL	SQ YD	124	124		
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	130	130		
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	· .	
	50800105	REINFORCEMENT BARS	POUND	37490	37490		
	51205200	TEMPORARY SHEET PILING	SQ FT	565	565	,	
	51401600	TEMPORARY BRIDGE RAIL	FOOT	50	50		
	51500100	NAME PLATES	EACH	1	1		-
	54003000	CONCRETE BOX CULVERTS	CU YD	241.2	241.2		
×	63000000	STEEL PLATE BEAM GUARD RAIL. TYPE A	FOOT	462.5	462.5		
*	63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	12.5	12.5		
*	63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	79	79		
*	63100045	TRAFFIC BARRIER TERMINAL. TYPE 2	EACH	1	1		
×	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2	2		
	63100167	TRAFFIC BARRIER TERMINAL TYPE 1. SPECIAL (TANGENT)	EACH	4	4		
	63200310	GUARDRAIL REMOVAL	FOOT	76	76		
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6		
e	67100100	MOBILIZATION	L SUM	1	1		
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	i		
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	. 1		
			Ll				1

	CHAMADY OF CHANTITIES	BOY FED. 20% STATE	CONS	TRUCTION TYPE	CODE	
	SUMMARY OF QUANTITIES	T	TOTAL	097-2013 X028-2A	SFTY-3N	
CODE NO	ITEM	UNIT	QUANTITIES	NOLO LA		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	76	76		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	713	713		
70400500	TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	360	360		
70400600	RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	340	340		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1736	1736		
78200410	GUARDRAIL MARKERS, TYPE A	EACH	10	10		
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	193	193		
X0348700	AGGREGATE DITCH CHECK	EACH	1	1		
X4066416	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N70	TON	5	5	·	
X4073161	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 14"	SQ YD	225	225		
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	7	7		
X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	1	1		
Z0002600	BAR SPLICERS	EACH	216	216		
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	·	2	
Z0030340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	. 2		2	
						1
					-	
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L		<u> </u>	<u> </u>		L	

* SPECIALTY ITEMS

REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION

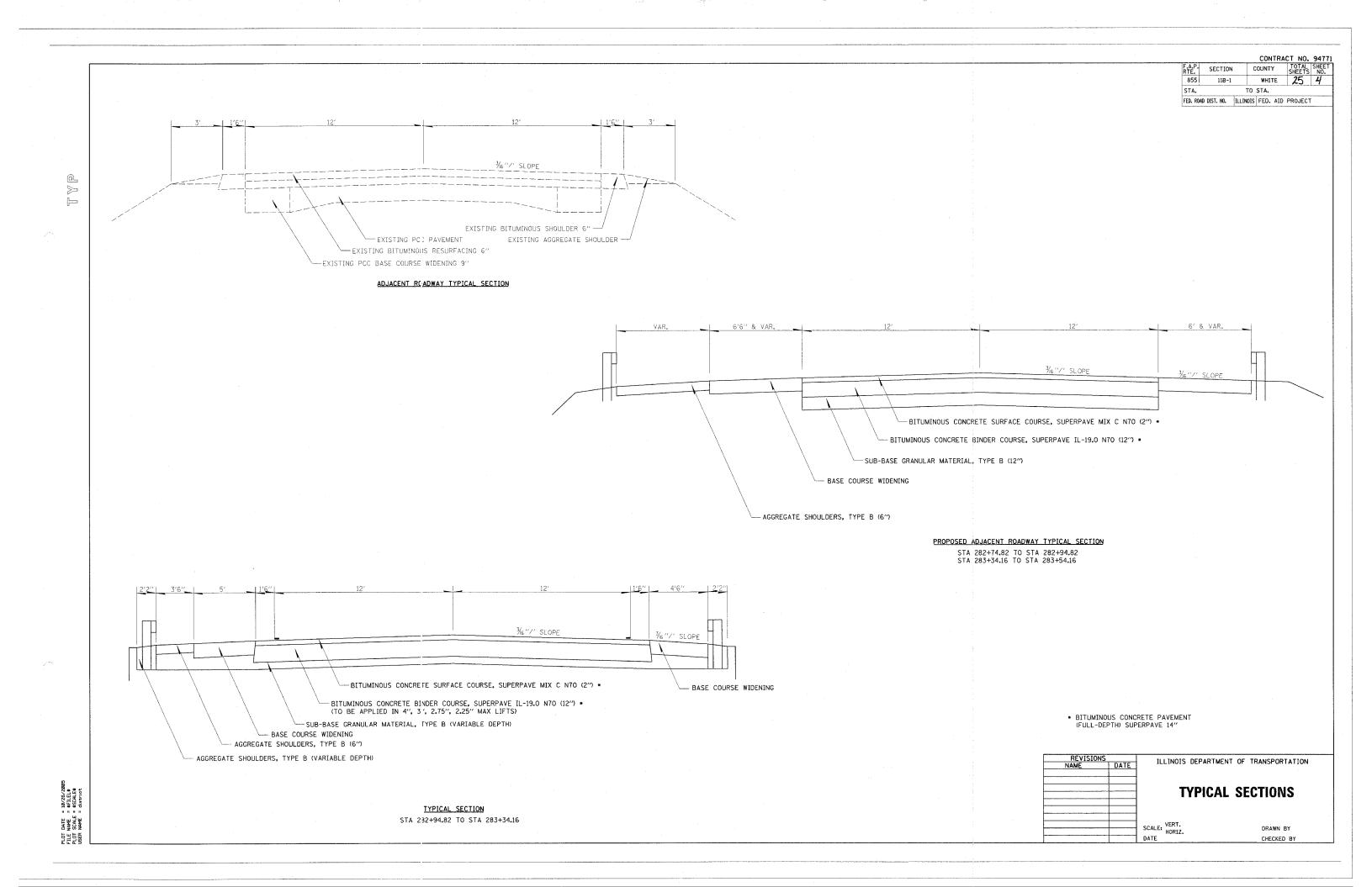
SUMMARY OF QUANTITIES

VERT.

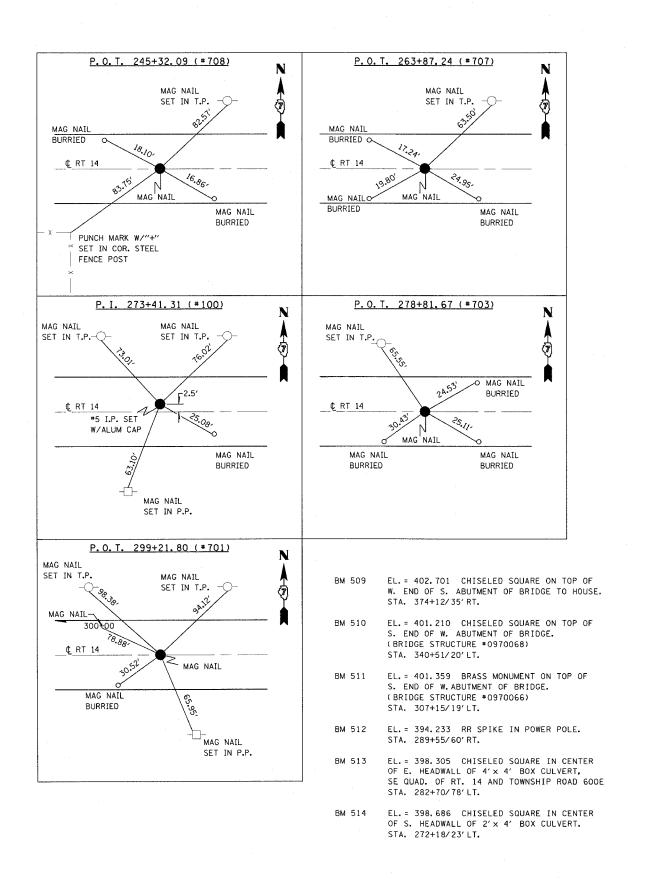
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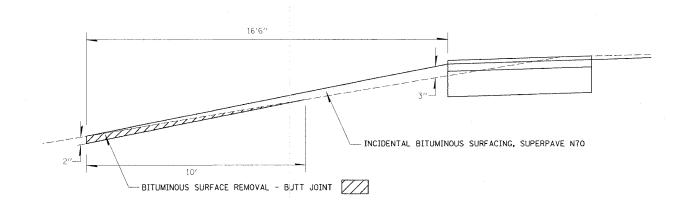
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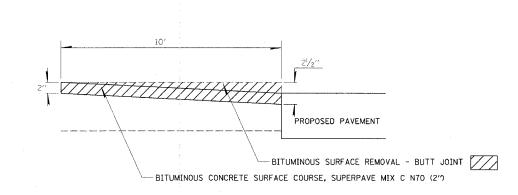


CONTRACT NO. 94771 COUNTY TOTAL SHEET NO. WHITE 25 5 SECTION COUNTY 855 118-1 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT





SIDE ROAD DETAIL



BUTT JOINT DETAIL

STA 282+64.82 TO STA 282+74.82

ILLINOIS DEPARTMENT OF TRANSPORTATION **DETAILS** & TIES SCALE: VERT. DRAWN BY DATE CHECKED BY

F.A.P. RTE.	SECTION	С	OUNT	TOTAL	SHEET NO.	
855	11B-1		WHIT	ΓE	25	6
STA.		TO	STA.			
FED. ROAL	DIST. NO.	TLLINOIS	FED.	AID	PROJECT	-

PAVEMENT MARKING SCHEDULE

LOCATION	PAINT PAVEMENT MARKING REMOVAL	WORK ZONE PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	PAINT PAVEMENT MARKING LINE - 4" (WHITE)	PAINT PAVEMENT MARKING LINE - 4" (YELLOW)						
	SQ FT	SQ FT	FOOT	FOOT	FOOT						
SN 097-2013 STAGE I 279+29.0 TO 282+02.0 282+02.0 TO 284+24.0 284+04.0 TO 287+02.0 STAGE I TOTALS	22.8 92.5 23.2 138.0	91.0 148.0 92.7 332.0	0.0	0.0	0.0						
SN 097-2013 STAGE II 279+29.0 TO 282+09.0 282+09.0 TO 284+18.0 284+18.0 TO 287+02.0 STAGE II TOTALS	55.3 55.0	120.3 139.3 121.7 381.0	28. 0 20. 0 28. 0 76. 0	560.0 418.0 568.0 1546.0	70.0 50.0 70.0 190.0						
TOTAL =	193.0	713.0	76.0	1546.0	190, 0						

	EARTHWORK	SCHEDULE		
STATION TO STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EARTH FILL	EARTHWORK BALANCE, WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STAGE I				
280+00.00 TO 280+50.00 280+50.00 TO 281+00.00 281+00.00 TO 281+50.00 281+50.00 TO 282+00.00 282+50.00 TO 282+50.00 282+50.00 TO 282+84.19 282+84.19 TO 282+94.82 EAST ABUTMENT BRIDGE OMISSION WEST ABUTMENT 283+34.16 TO 283+43.5 283+43.47 TO 283+50.0	1. 1 2. 1 2. 0 2. 0 4. 3 5. 4 2. 0 79. 3 79. 3	0.8 1.6 1.5 1.5 3.2 4.0 1.5 59.5	3. 4 7. 4 8. 2 7. 4 5. 7 2. 3 0. 4 80. 5 80. 5 3. 4 2. 9	-2.5 -5.9 -6.7 -5.9 -2.5 1.7 1.0 -21.0
283+50.00 TO 284+00.0 284+00.00 TO 284+50.0 284+50.00 TO 285+00.0 285+00.00 TO 285+50.0	6. 2 3. 9 2. 2 0. 8	4.6 2.9 1.6 0.6	29. 8 24. 6 23. 1 15. 5	-25. 2 -21. 7 -21. 5 -14. 9
280+00.00 TO 280+50.0 280+50.00 TO 281+00.0 281+00.00 TO 281+50.0 281+50.00 TO 282+00.0 282+00.00 TO 282+50.0 282+50.00 TO 282+84.2 282+84.19 TO 282+94.8 EAST ABUTMENT BRIDGE OMISSION	0. 0 0. 0 0. 0 0. 0 3. 9 5. 5 1. 7 65. 6	0. 0 0. 0 0. 0 0. 0 3. 0 4. 1 1. 3 49. 2	0.0 0.0 0.0 0.0 1.9 7.0 3.5 66.6	0.0 0.0 0.0 0.0 1.1 -2.8 -2.2 -17.4
WEST ABUTMENT 283+34.16 TO 283+43.5 283+43.47 TO 283+50.0 283+50.00 TO 284+00.0 284+00.00 TO 284+50.0 284+50.00 TO 285+00.0 285+00.00 TO 285+00.0	65. 6 1. 5 1. 0 4. 8 2. 3 2. 8 1. 3	49. 2 1. 1 0. 8 3. 6 1. 7 2. 1 1. 0	66. 6 2. 4 2. 9 20. 1 10. 3 17. 0 11. 4	-17. 4 -1. 3 -2. 1 -16. 5 -8. 6 -14. 9 -10. 4
TOTALS =	349.0	262.0	505.0	-243.0

SEEDING SCHEDULE

	3	EEDING S	CHEDULE				
	SEEDING, CLASS 2	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NURTIENT	PHOSPHORUS FERTILIZER NURTIENT	POTASSIUM FERTILIZER NURTIENT	MULCH, METHOD 2	AGRICULTURAL GROUND LIMESTONE
STATION TO STATION	ACRE	POUND	POUND	POUND	POUND	ACRE	TON
STAGE I 280+00.0 TO 280+50.0 280+50.0 TO 281+00.0 281+00.0 TO 281+50.0 281+50.0 TO 282+00.0 282+00.0 TO 282+50.0 282+50.0 TO 282+50.0 282+50.0 TO 282+84.2 282+84.2 TO 282+94.8 282+94.8 TO 283+34.2 283+34.2 TO 283+50.0 283+50.0 TO 284+00.0 284+00.0 TO 284+50.0 284+50.0 TO 285+50.0 285+00.0 TO 285+50.0	0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 03 0. 03 0. 03 0. 02 0. 01	1.00 1.00 1.00 1.00 1.00 1.00 0.00 1.00 3.00 2.00	0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 2. 70 2. 70 1. 80 0. 90	0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 2. 70 2. 70 1. 80 0. 90	0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 01 0. 00 0. 01 0. 01 0. 03 0. 03 0. 03 0. 02	0. 02 0. 02 0. 02 0. 02 0. 02 0. 02 0. 02 0. 02 0. 02 0. 04 0. 04
STAGE II 280+00. 0 TO 280+50. 0 280+50. 0 TO 281+00. 0 281+00. 0 TO 281+50. 0 281+50. 0 TO 281+50. 0 282+00. 0 TO 282+50. 0 282+50. 0 TO 282+84. 2 282+84. 2 TO 282+94. 8 282+94. B TO 283+34. 2 283+34. 2 TO 283+34. 5 283+43. 5 TO 283+50. 0 284+50. 0 TO 284+50. 0 284+50. 0 TO 284+50. 0 285+00. 0 TO 285+50. 0	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.01	0.00 0.00 0.00 0.00 1.00 1.00 0.00 1.00 1.00 1.00 1.00	0.00 0.00 0.00 0.00 0.90 0.90 0.90 0.90	0. 00 0. 00 0. 00 0. 00 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90 0. 90	0.00 0.00 0.00 0.00 0.90 0.90 0.90 0.90	0.00 0.00 0.00 0.00 0.01 0.01 0.01 0.01	0.00 0.00 0.00 0.00 0.02 0.02 0.02 0.02
TOTAL =	0.30	26.00	23.00	23.00	23.00	0.30	0.50

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS														
5 X 5		6 X 6		6 X 15		6 X 30		6 X 35		6 X 40		6 X 50		LOOP SIZE
FROM	ТО	FROM	ТО	FROM	то	FROM	TO	FROM	TO	FROM	то	FROM	TO	
0 682 955 1273 1637 2046	681 954 1272 1636 2045 2499	0 546 819 1146 1528 1965 2456	545 818 1145 1527 1964 2455 3000	0 574 956 1433 2006 2674	545 955 1432 2005 2673 3436	0 492 983 1637 2456	491 982 1636 2455 3436	0 560 1119 1865 2796	559 1118 1864 2795 3914	0 628 1256 2092	627 1255 2091 3136	0 765 1528 2546	764 1527 2545 3818	2 TURNS 3 TURNS 4 TURNS 5 TURNS 6 TURNS 7 TURNS 8 TURNS 9 TURNS 10 TURNS

THE NUMBERS IN THE TABLE REPRESENT THE DISTANCE FROM THE CABINET TO THE DETECTOR LOOP IN FEET

REVISIONS	THE INDIS DEPARTM	ENT OF TRANSPORTATION
AME DATE		LITT OF TRAINSFORTATION
	QUANTIT	Y SCHEDULES
		&
	TUI	RN LOOP
	SCALE: VERT.	DRAWN BY
	DATE	CHECKED BY

CONTRACT NO. 94771

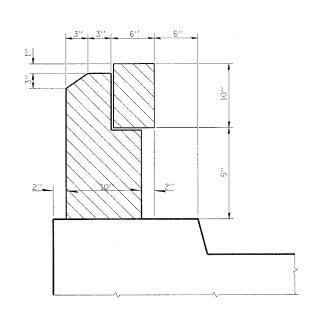
COUNTY SHEETS NO.

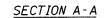
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RTE. SECTION
855 11B-1
STA. TO STA.

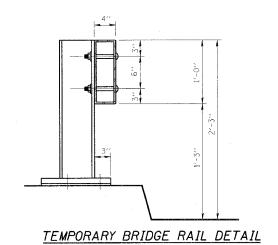
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONCRETE HANDRAIL REMOVAL

				, GL	IARDRAIL S	CHEDULE					
LOCATION	TEMPORARY BRIDGE RAIL	TRAFFIC BARRIER TERMINAL, TYPE 5A	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	STEEL PLATE BEAM GUARD RAIL, TYPE A	STEEL PLATE BEAM GUARD RAIL, TYPE B	TRAFFIC BARRIER TERMINAL, TYPE 2	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE I SPECIAL, TANGENT	GUARDRAIL REMOVAL	TERMINAL MARKERS - DIRECT APPLIED	REFLECTOR MARKERS, TYPE A
	FOOT	EACH	EACH	FCOT	F00T	FOOT	EACH	EACH	FOOT	EACH	EACH
STAGE I SE CORNER OVER BRIDGE SW CORNER NE CORNER OVER BRIDGE NW CORNER STAGE II SE CORNER OVER BRIDGE SW CORNER	50.0	1.0	1. 0 1. 0 1. 0	39. 5 39. 5	212. 5 112. 5 12. 5 12. 5	12. 5	1. 0	1.0	63. 0 13. 0	1.0 1.0 1.0	1.0 1.0 1.0
TOTALS=	50.0	2.0	4.0	79.0	462.5	12.5	1.0	1.0	76.0	4.0	6.0



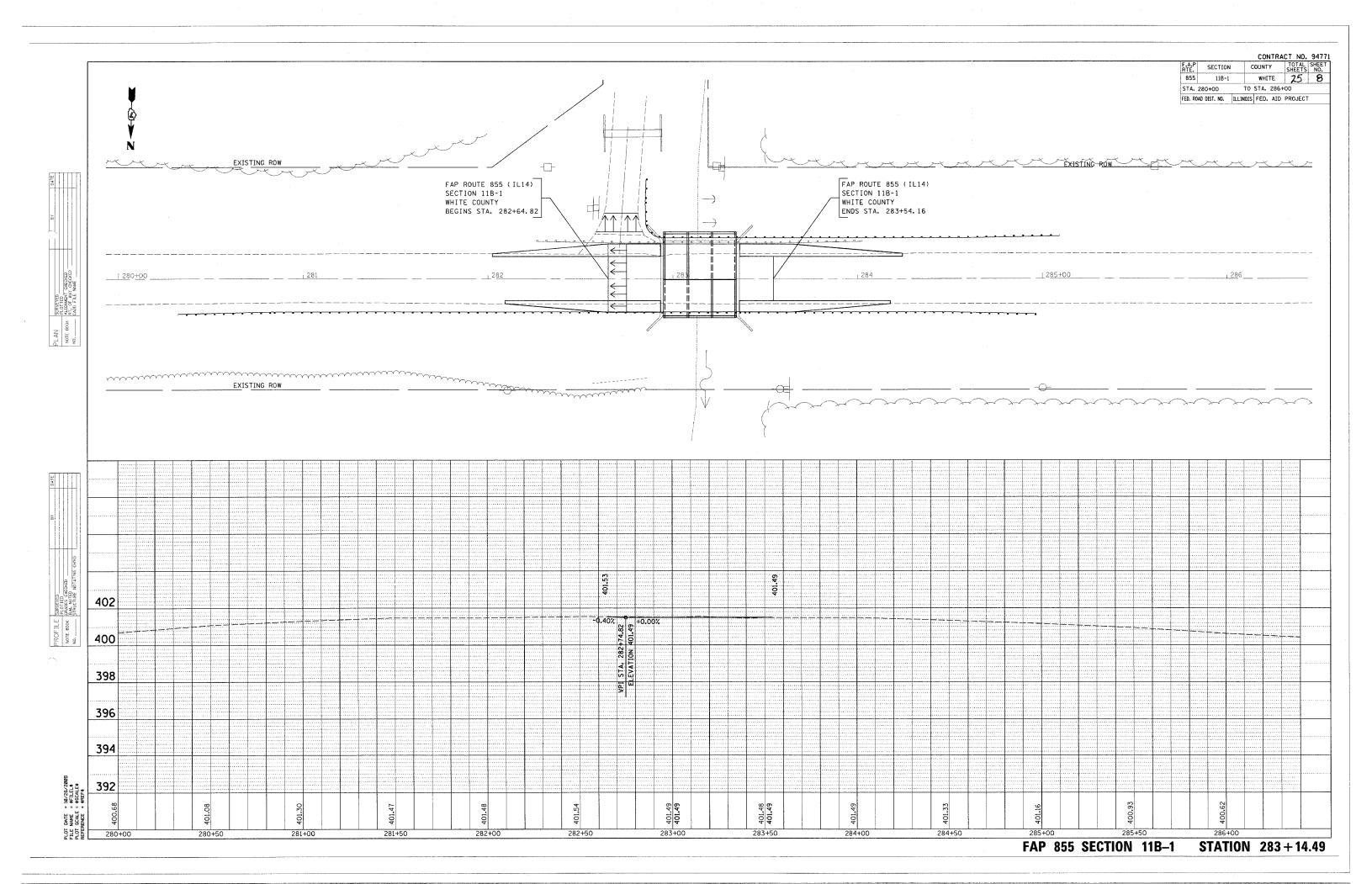


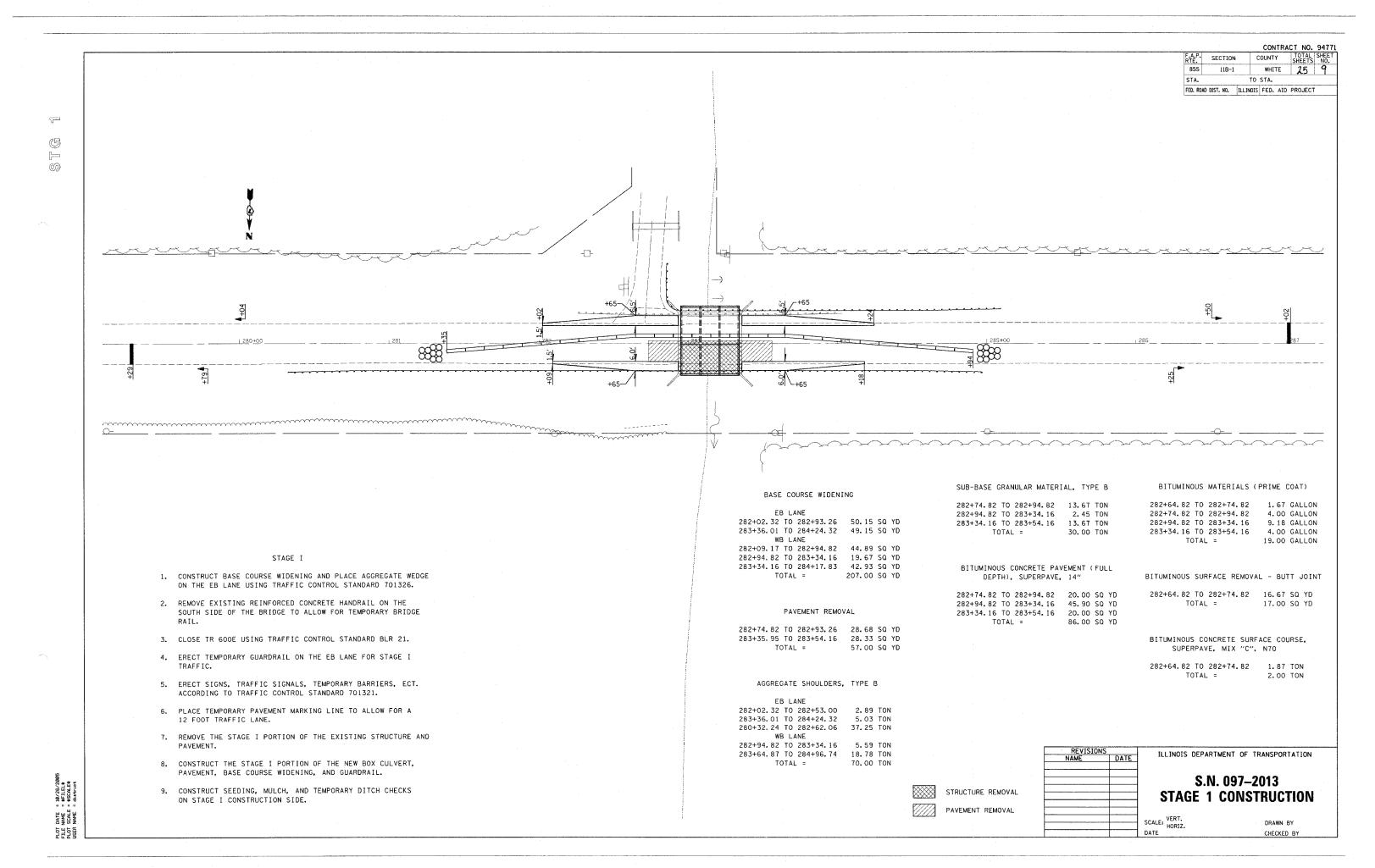


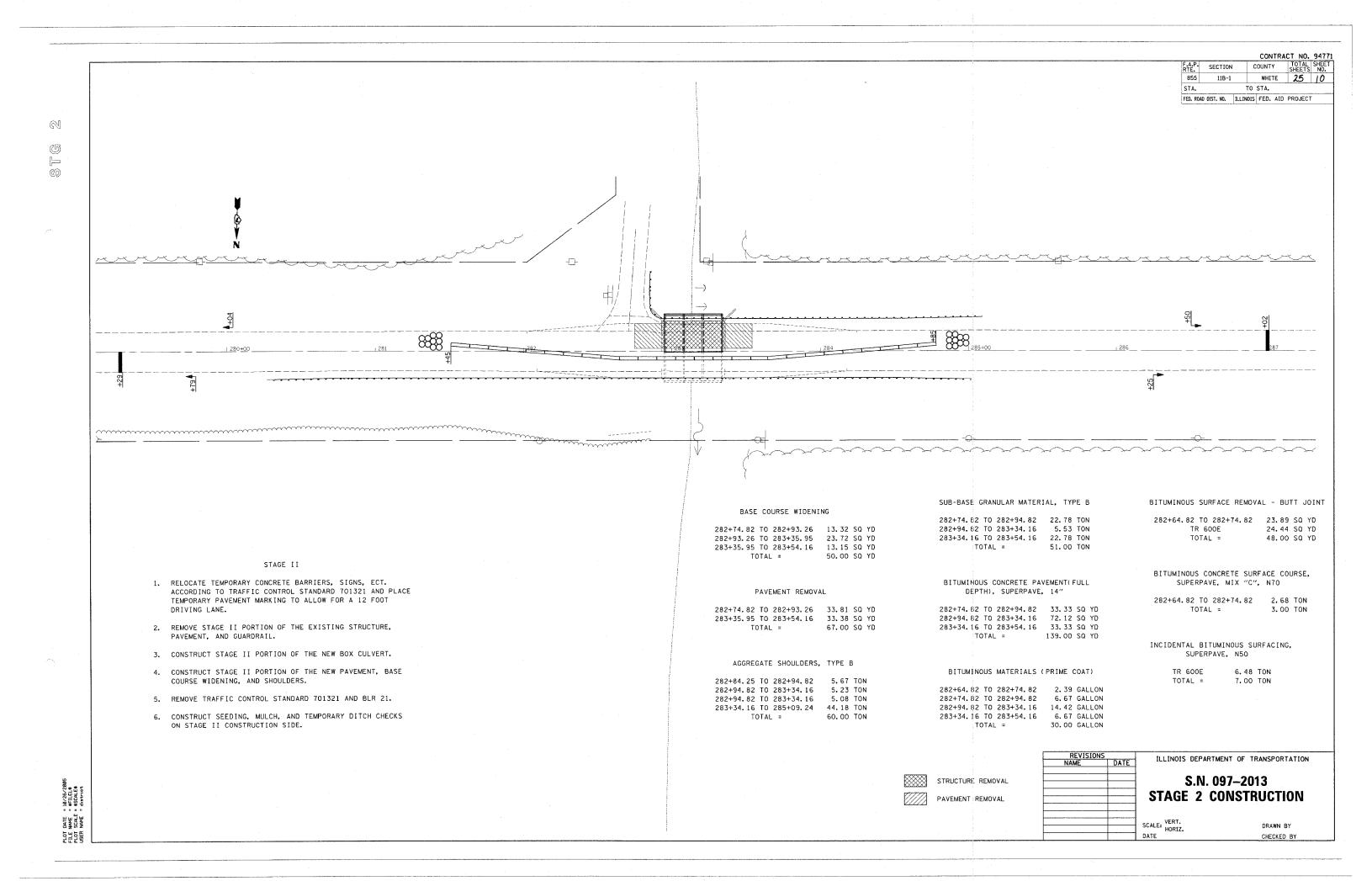
REVISION		TILINOIS DEPARTA	MENT OF TRANSPORTATION
NAME	DATE	ILLINOIS OLI AKTA	MEIT OF THAIST ON TATION
		GUARDR	AIL DETAILS
			AND
		SCH	IEDULES
		SCALE: VERT.	DRAWN BY
		DATE	CHECKED BY

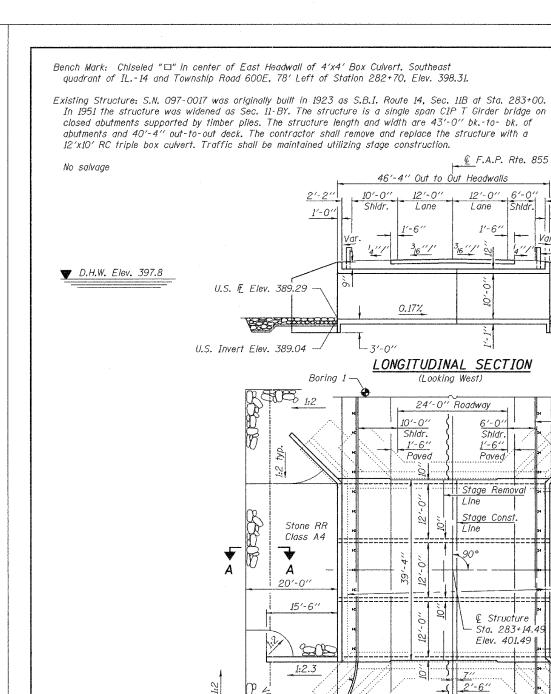
PLOT DATE = 10/26/2005 File NAME = #FILEL# PLOT SCALE = %SCALE# USER NAME = district

CD A S





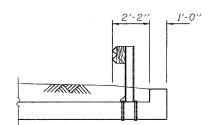




€ Township Road

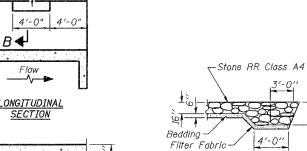
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

B 🔩



GUARDRAIL MOUNTING DETAIL (Std 630101-04 Case IV)

Notch formed by rough finished board attached to and removed with formwork, each interior wall. (Do not chamfer).



STATION 283+14.49
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RT. 855 SEC. 11B-1
LOADING HS20
STRUCTURE NO. 097-2013

SECTION A-A

NAME PLATE
See Std. 515001

Contract #94771

GENERAL NOTES

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

Exposed edges shall be chamfered $\frac{3}{4}$ ".

For backfilling and embankment see Standard Specifications.

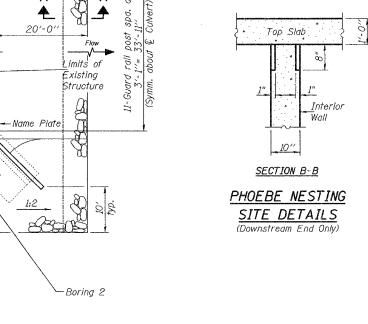
Precast culvert alternate is not allowed.

The Contractor shall saw cut existing abutment wall at stage construction line before removing the existing abutments. The Contractor shall excavate behind existing abutments before removing superstructure. Cost included with Removal of Existing Structures.

All construction joints shall be bonded.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	369
Filter Fabric	Sq. Yd.	369
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	37490
Temporary Sheet Piling	Sq. Ft.	565
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	241.2
Bar Splicers	Each	216
Steel Plate Beam Guard Rall Attached to Structures	Foot	79



Existing Low Grade Elev. 399.6 © Sta. 273+00

WATERWAY INFORMATION

Steel Plate Beam Guard Rail

attached to structures (See

Std. 630101. Attachment shall

be according to Case IV except

that the 1'2" \$\phi\$ holes in the top

slab shall be formed (instead of

cored) for the threaded rods).

- D.S. E Elev. 389.21

D.S. Invert Elev. 388.96

Face of Güardrali

€ F.A.P. 855

Stage I Const.

& P.G.L.

46'-4" Out to Out of Headwalls

PLAN

Témp. Sheet

Stage II Const

EXPIRES 11-30-2006

= 1.7 3	sq. mi.	Propos	Proposed Low Grade Elev. 399.6 @ Sta. 273+00					3+ <i>00</i>
Freq.	Q	Opening Sq. Ft.				- Ft.	Headwater El.	
Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
10	-	-	-		- '	-	-	-
50	965	160	292	397.8	1.0	0.1	398.8	397.9
100	1070	165	299	397.9	1.0	0.2	398.9	398.1
500	1485	180	313	398.2	1.6	0.3	399.8	398.5
-	-	_	-	-	-	-	-	-
	Freq. Yr. 10 50 100	Freq. Q Yr. C.F.S. 10 - 50 965 100 1070	Freq. 0 Opening Yr. C.F.S. Exist. 10 - - 50 965 160 100 1070 165	Freq. 0 Opening Sq. Ft. Yr. C.F.S. Exist. Prop. 10 - - 50 965 160 292 100 1070 165 299	Freq. 0 Opening Sq. Ft. Nat. Yr. C.F.S. Exist. Prop. H.W.E. 10 - - - 50 965 160 292 397.8 100 1070 165 299 397.9	Freq. 0 Opening Sq. Ft. Nat. Head Yr. C.F.S. Exist. Prop. H.W.E. Exist. 10 - - - - - 50 965 160 292 397.8 1.0 100 1070 165 299 397.9 1.0	Freq. 0 Opening Sq. Ft. Nat. Head - Ft. Yr. C.F.S. Exist. Prop. H.W.E. Exist. Prop. 10 - - - - - - 50 965 160 292 397.8 1.0 0.1 100 1070 165 299 397.9 1.0 0.2	Yr. C.F.S. Exist. Prop. H.W.E. Exist. Prop. Exist. 10 - - - - - - - 50 965 160 292 397.8 1.0 0.1 398.8 100 1070 165 299 397.9 1.0 0.2 398.9

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

<u>DESIGN SPECIFICATIONS</u> 2002 AASHTO

DESIGN STRESSES

FIELD UNITS

 $f'_c = 3,500 \text{ psi}$ $f_y = 60,000 \text{ psi}$ (reinforcement)



LOCATION SKETCH

GENERAL PLAN

ILLINOIS ROUTE 14 OVER

UNNAMED STREAM

F.A.P. ROUTE 855 - SECTION 11B-1

WHITE COUNTY

STATION 283+14.49

STRUCTURE NO. 097-2013

0.0%

PROFILE GRADE

(along € roadway)

CHECKED PMP/PRL

281+50

-0.33%

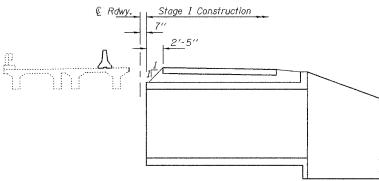
284+00 401.49 285+00 401.16

attest M Etune

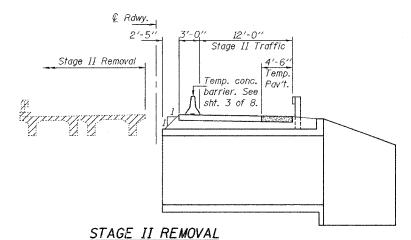
PASSED

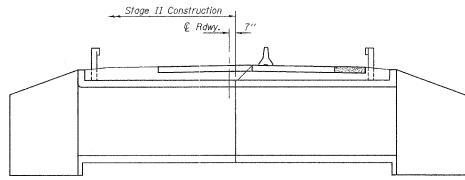
Stage I Removal Stage I Traffic Temp. conc. barrier. See sht. 3 of 8.

STAGE I REMOVAL



STAGE I CONSTRUCTION

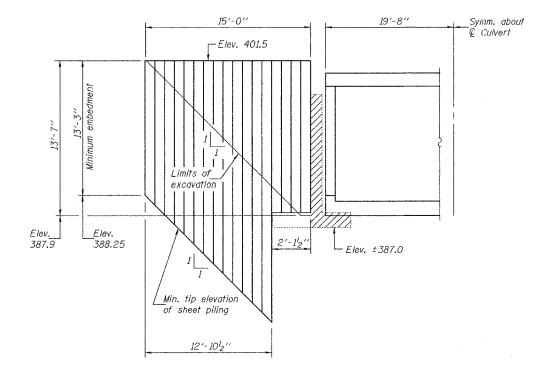




STAGE II CONSTRUCTION

DESIGNED	PMP	November 16 2005
CHECKED	PRL	EXAMINED Thomps & Romagalaki)
DRAWN	h.t. duong	PASSED Ralph E. andreway
CHECKED	PMP/PRL	ENGINÉER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



TEMPORARY SHEET PILING DETAIL

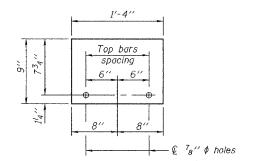
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost of Temporary Sheet Piling.

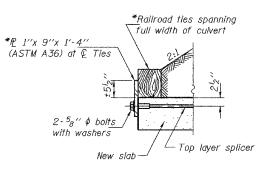
The minimum section modulus of the sheet piling shall be 16 in³/ft.

sheet no. 2SHEET NO. FAP 855 25 12 8 SHEETS 11B-1 WHITE PEO, ROAD DIST, NO. 7 ILLINOIS FED. AID PROJECT

Contract #94771



P 1"x 9"x 1'-4"



DETAIL A

*Cost included with Concrete Box Culvert.

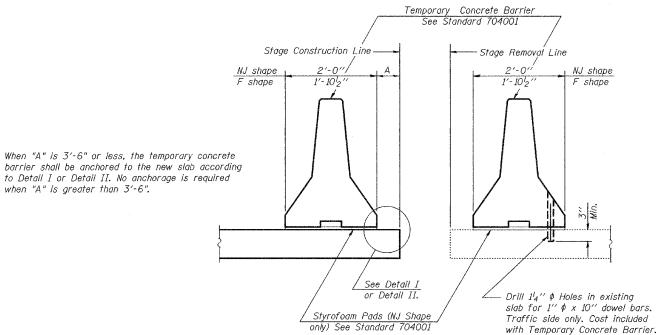
Notes: Hatched area indicates removal of existing structures.

Quantity of Temporary Concrete Barrier is included in the roadway plans.
All cross sections are looking West.

GENERAL DATA & STAGE CONSTRUCTION DETAILS F.A.P. RT. 855 SECTION 11B-1 WHITE COUNTY STATION 283+14.49 STRUCTURE NO. 097-2013







NOTES

Detail I - With Bar Splicer or Couplers: Connect one (1) 1"x7"x10" steel ₧ to the top layer of couplers with 2-58" \$\phi\$ bolts screwed to coupler at approximate & of

Connect one (1) 1"x7"x10" steel ₱ to the concrete slab with 2-58" \$\phi\$ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate © of

Cost of anchorage is included with Temporary Concrete Barrier.

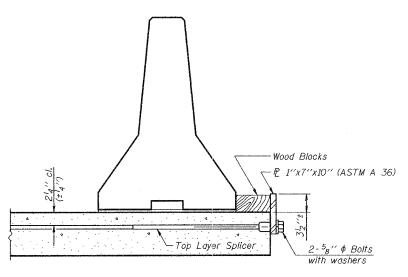
each barrier panel. Detail II - With Extended Reinforcement Bars:

each barrier panel.

SECTIONS THRU SLAB

EXISTING SLAB

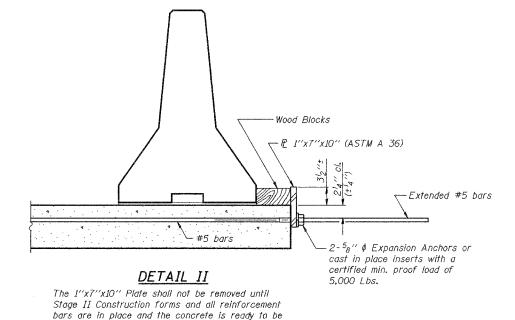
NEW SLAB

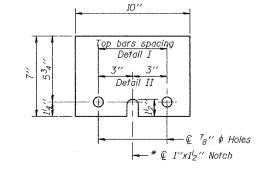


DETAIL I

when "A" is greater than 3'-6".

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars





P 1"x7"x10"

* Required only with Detail II

DESIGNED	PMP	November 16 2005
CHECKED	PRL	EXAMINED Thomas Domas alski
DRAWN	h.t. duong	PASSED Ralph E. anderson
CHECKED	PMP/PRL	ENGINEER OF BRIDGES AND STRUCTURES

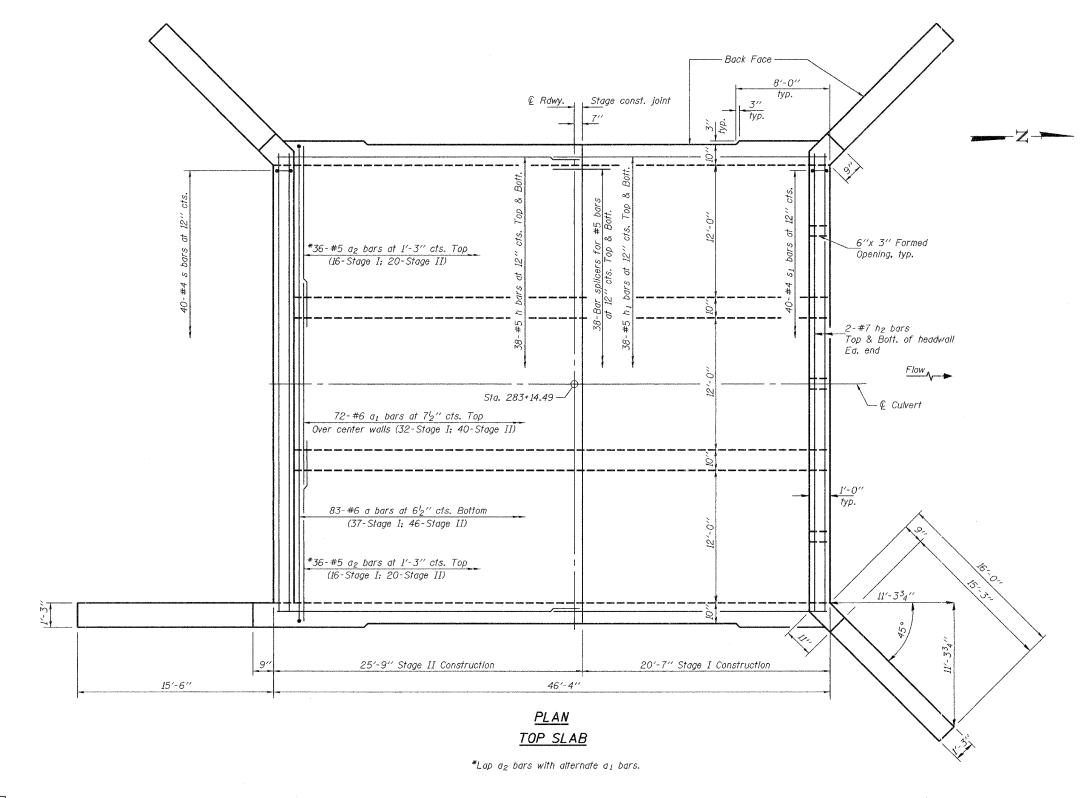
R-27 10-22-04

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TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION F.A.P. RT. 855 SECTION 11B-1 WHITE COUNTY STATION 283+14.49 STRUCTURE NO. 097-2013

ROUTE NO.	SECTION	co	UNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
FAP 855	118-1	WHITE		25	14	8 SHEETS
FED. ROAD DIST	. NO. 7	ILLINOIS	FEO, AID PRI			

Contract #94771



 DESIGNED
 PMP

 CHECKED
 PRL

 DRAWN
 h.t. duong

 CHECKED
 PMP/PRL

November 16 2085

EXAMINED Thomas Demanliki

PASSED BALLE CILLERA

ENGINEER OF BRIDGES AND STRUCTURES

Notes: For bar splicer details, see sheet 7 of 8. Work this sheet with sheets 5 & 6 of 8.

CULVERT DETAILS

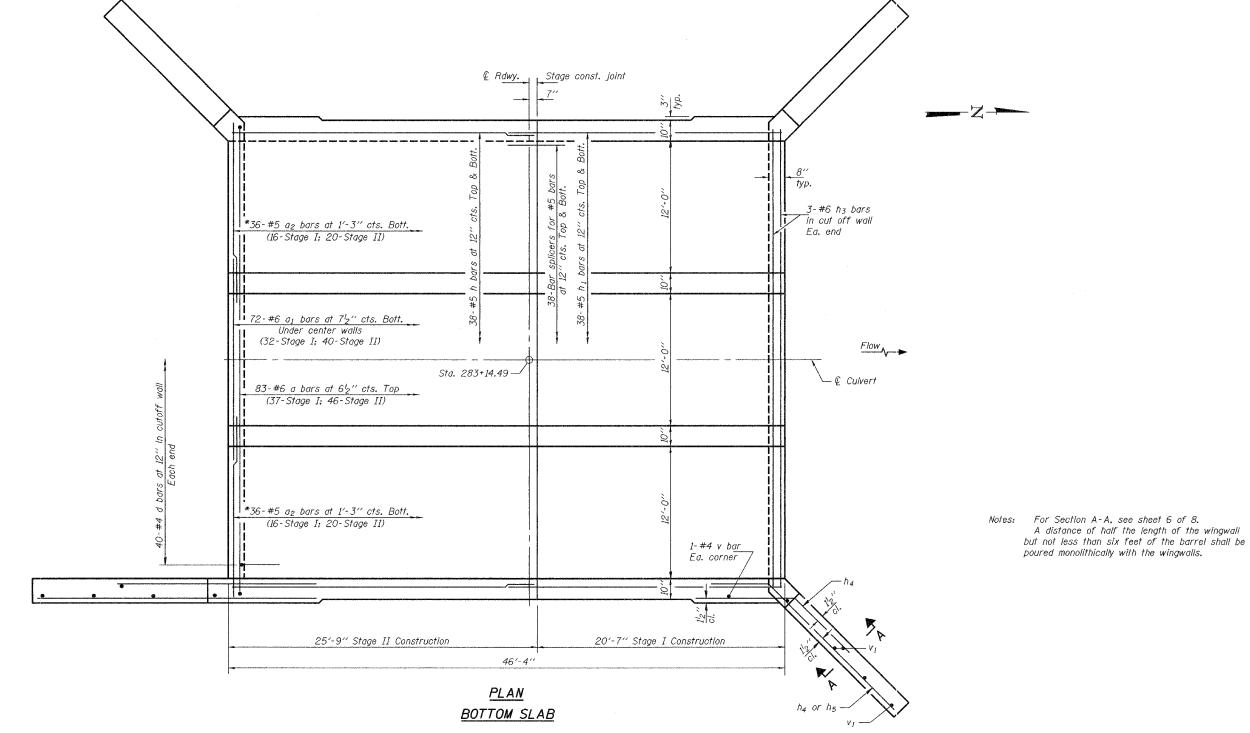
F.A.P. RT. 855 SECTION 11B-1

WHITE COUNTY

STATION 283+14.49

STRUCTURE NO. 097-2013

Contract #94771



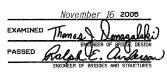
* Lap a₂ bars with alternate a₁ bars.

DESIGNED PMP

CHECKED PRL

DRAWN h.t. duong

CHECKED PMP/PRL



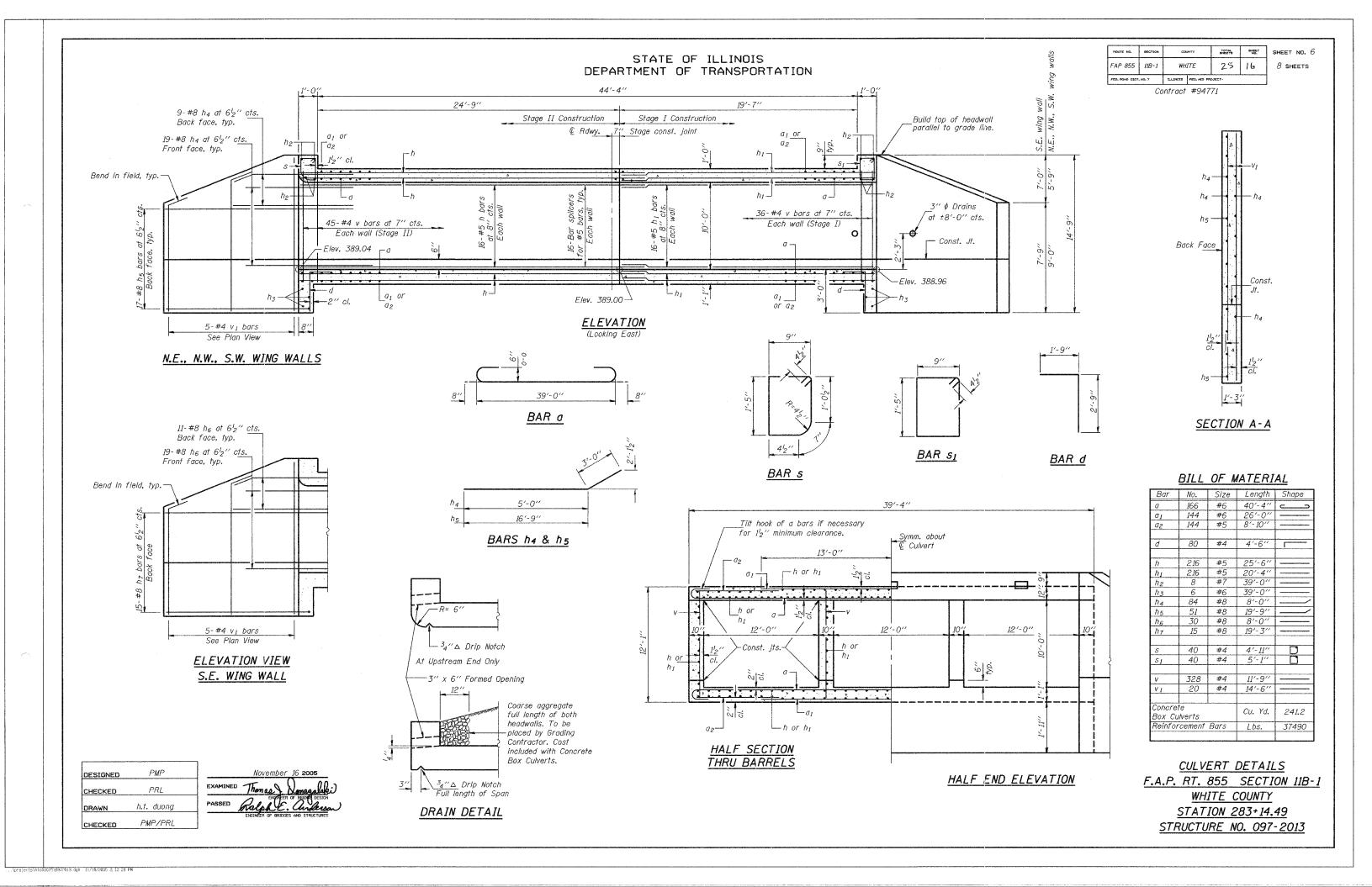
CULVERT DETAILS

F.A.P. RT. 855 SECTION 11B-1

WHITE COUNTY

STATION 283+14.49

STRUCTURE NO. 097-2013

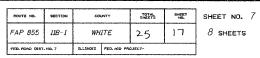


— Stage Construction Line

Foam Plugs

Threaded or Coil

Splicer Rods (E)



Contract #94771

<u>NOTES</u>

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$

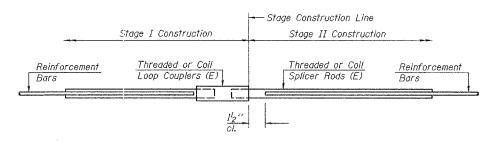
(Tension III Kipo)
Minimum *Pull-out Strength = 1.25 x fs_{allow} x A_t

Where fy = Yield strength of lapped reinforcement bars in ksi. fs_{allow}= Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)

A_t = Tensile stress area of lapped reinforcement bars. * = 23 day concrete

BAR SPLICER ASSEMBLIES								
		Strength Requirements						
Bar Size to be Soliced	Splicer Rod or Dowel Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension					
#4	1'-8''	14.7	5.9					
#5	2'-0"	23.0	9.2					
#6	2'-7''	33.1	13.3					
#7	3′-5′′	45.1	18.0					
#8	4'-6"	58.9	23.6					
#9	5′-9″	75.0	30.0					
#10	7'-3''	95.0	38.0					
#/1	9'-0''	117.4	46,8					

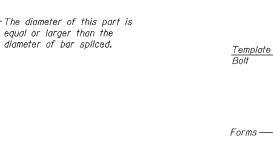
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



STANDARD

Bar Size	No. Assemblies Required	Location
#5	152	Deck
#5	64	Walls

BAR SPLICER ASSEMBLY DETAILS F.A.P. RT. 855 SECTION 11B-1 WHITE COUNTY STATION 283+14.49 STRUCTURE NO. 097-2013



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

WELDED SECTIONS

ROLLED THREAD DOWEL BAR

** ONE PIECE

- Wire Connector

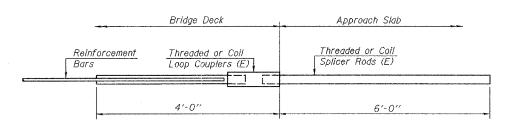
<u>"B"</u> INSTALLATION AND SETTING METHODS

Washer Face

"A"

"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.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

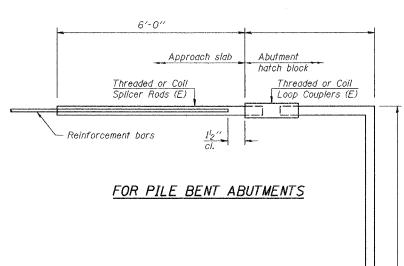
	Bar Splicer for #5 bar							
Min.	Capacity	=	23.0	kip	s -	tensl	on	
Min.	Pull-out	St.	rength	<i>=</i>	9.2	kips	_	tension
No.	Required	=	***************************************					

DESIGNED	PMP	November 16 2005
CHECKED	PRL	EXAMINED Thomas Domasaliki
DRAWN	h.t. duong	PASSED Ralph E. anderson
CHECKED	PMP/PRL	ENGINEER OF BRIDGES AND STRUCTURES
BSD-1		10-22-04

The diameter of this part

of the bar spliced.

is the same as the diameter



Min.	Capacity	Splicer = 23.0	 	
	Pull-out		 	tension

.\projects\htd00025\0972013.dgn = 11/15/2005 2:14:41 |

	ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHE	ET NO. 8
	FAP 855	118-1	WHITE		25	18	8	SHEETS
ı	FED. ROAD DIST	NO. 7	ILLINOIS	FED, ALD PRO	DJECT-			

Contract #94771

Illinois Departm of Transportatio	eni n	t		S	OIL BORING LOG
Division of Highways District 7 Materials					Date
ROUTE FAP 855 (IL 14) DESCRIPTION				Un	named Stream LOGGED BY E. Sandschaf
SECTION 11B-1 LOC	ATIO	N _	13 – S	E 14,	24 NE 14, SEC. , TWP. 5 S, RNG. 8 E, 3 PM
COUNTY White DRILLING	MET	COH	Holloy	v Ste	m Auger & Split Spoon HAMMER TYPE Auto 140#
STRUCT. NO. 097-0017 Station Proposed 097-2013	D	В	U	M	Surface Water Elev. 390,47 ft D B U M
Station Proposed 997-2013	E	L	C S	0	Stream Bed Elev. 389,88 ft E L C C
BORING NO. 1	T	w	_	s	Groundwater Elev.:
Station 35'W of center of exist bridge	н	S	Qu	Т	f
Offset 17.00ft S of CL					Upon Completion Washed ft
Ground Garland Liet. 40104 11	(ft)	(⁄6°)	(tsf)	(%)	After 24 Hrs. 394.2 ft (11) (67) (181) (7
Aggregate shoulder w/some 400.44					Medium to stiff, damp, damp, red 2 0.6 2 mottled gray, SILTY CLAY. 3 B
dinders. Medium, damp, grey mottled red,					mottled gray, SILTY CLAY. 3 B
CLAY.	-1				379.04
•		5			Stiff, damp, red mottled gray, 1
	-1	5	0.7	22	CLAY. 3 1.2 2
•		6	В		4 B
396.54		1			Medium, damp, red_mottled_gray,
Soft, damp, gray, SILTY CLAY.	5		0.4	26	Medium, damp, red mottled gray, —25 1 2 0.5 2
	-	3	В	20	3 B
•	\rightarrow				
394.04	. –				1 1 1
Medium to stiff, damp to very damp, gray, SILTY LOAM.		1			373.54 1
damp, gray, SILIT LOAM.	1	4	0.8 B	22	Gray, fine grained, SAND. 373.34 3 0.6 2 Medium, damp, red mottled gray, 6 S
	-				CLAY LOAM.
					371.54
	-10	1			Stiff, damp, gray, CLAY TILL30 5
		1	0.4	27	8 1.9 1
	_	1	В		9 B
	-				
		2			│
	-	3	1.3	23	-
		5	S		-
386.54		_			366.54
Medium to stiff, damp, damp, red mottled gray, SiLTY CLAY.	-15	2	1.2	26	Medium, very moist, gray, SANDY
mana gray, sacri sacri	-	4	1,2 B	20	- 18 0.8 2 23 S
		-	-		
	-				-
•		2			
	\Box	4	1.0	30	
	_	4	BS	ļ	
	_	1			Stiff, damp, gray, SILTY CLAY. 40 2
	-201				g outly during, gray, one i versity

Illinois Departm		t		S	OIL BORING LOG		Page	2.	of
Division of Highways District 7 Materials	"			•	on bonne noc		Date	4	210
ROUTE FAP 855 (IL 14) DESCRIPTION	-			Un	named Stream LOGG	ED B'	Y E.S	Sandso	hal
SECTION 118-1 LOC	CATE	ON _	13 ~ 5	E 14,	24 - NE 1/4, SEC. , TWP. 5 S, RNG. 8 E, 3	PM.			
COUNTY White DRILLING	ME	тнов	Holloy	v Ste	m. Auger & Solit Spoon HAMMER TYPE		Auto	140#	
	Б	В	U	м		Тр	В	U	T
STRUCT, NO. 697-0017 Station Proposed 097-2013	E	L	c	0	Surface Water Elev. 390,47 ft Stream Bed Elev. 389,88 ft	E	Ł	C	;
BORING NO. 1	P	O W	S	S	Groundwater Elev.;	P	o ₩	S	١,
Station 35'W of center of exist bridge	н	s	Cu	Т	First Encounter 373.5 ft Upon Completion Washed ft	Н	s	Qu	Ι.
Offset 17.00ft S of CL Ground Surface Elev. 401.04 ft	(ft)	(/6")	(tsf)	(%)	After 24 Hrs. 394.2 ft	(ft)	(6")	(tsf)	ľ
Stiff, damp, gray, SILTY CLAY. (continued)		3 4	1.3 B	27	Stiff to very stiff, damp, gray, CLAY TILL (continued)		9 14	3.1 B	2
		-	<u>ٿ</u>				17	-	t
						~			
	_								
	_		ŀ			_			
Very stiff, damp, gray, SANDY	-45	3	1			-65			l
CLAY LOAM writew peobles and sand pockets.		9	2.9 S	16					
,		14	3						
						-			
	_								
						-			l
351.54 Stiff to very stiff, damp, gray,	-50	3			331.5 Very dense, very moist, gray, 331.3	4 -	50/2"		Į.
CLAY TILL.		5	1.1	22	SANDY CLAY SHALE. Borehole continued with rock	-70	500"		Γ
		7	В		coring.		50/0"		
	_								l
	_					_			
	-					-			l
	_					_			l
	-65					-75			l
	-65	}				_			ļ
	_					_			
						-			
L	-60	5	<u></u>	L	<u> </u>	80	L	L	L

(TE)	Illinois Department of Transportation ROCK BO	RING	LO	G	P.	age <u>3</u>	of <u>3</u>
	Elivision of Highways Elisation 7 Materials				D	ate	4/21/04
ROUTE FAP 8	155 (IL 14) DESCRIPTION Un-named Stream		14	OGGE	BY.	E. Sand	schafer
SECTION	11B-1 LOCATION 13 - SE 1/4, 24 - NE 1/4, SEC.	TWP. 5 S, F	NG. 8	E, 3 F	M		
	White CORING METHOD Rotary, surface set diamond in NW, conv	dbi bbi.		R E C	R	CORE	S T R
STRUCT. NO Station	097-0017 CORING BARREL TYPE & SIZE split i	nner D	CO	o v	à	M	E
BORING NO	Core Diameter 2.06 in 1 Top of Rock Elev. 331.34 ft	P	R	E	Ď	£	G
Station 35'W	of center of exist bridge Begin Core Elsv. 331.34 ft 17.00ft S of CL	H		R			H
Ground Surface	ce Elev. 401.04 ft		(#)	(%)	(%)	(min/ft)	(tsf)
Gray, slightly w	eathered, SANDY CLAY SHALE w/thin black organic layering.	331.34	-	100	86		
		_	1				
		-	4				
		_	7				
		-	1				
		-7	5	100	96		
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BORING LOGS

F.A.P. RT. 855 SECTION 11B-1

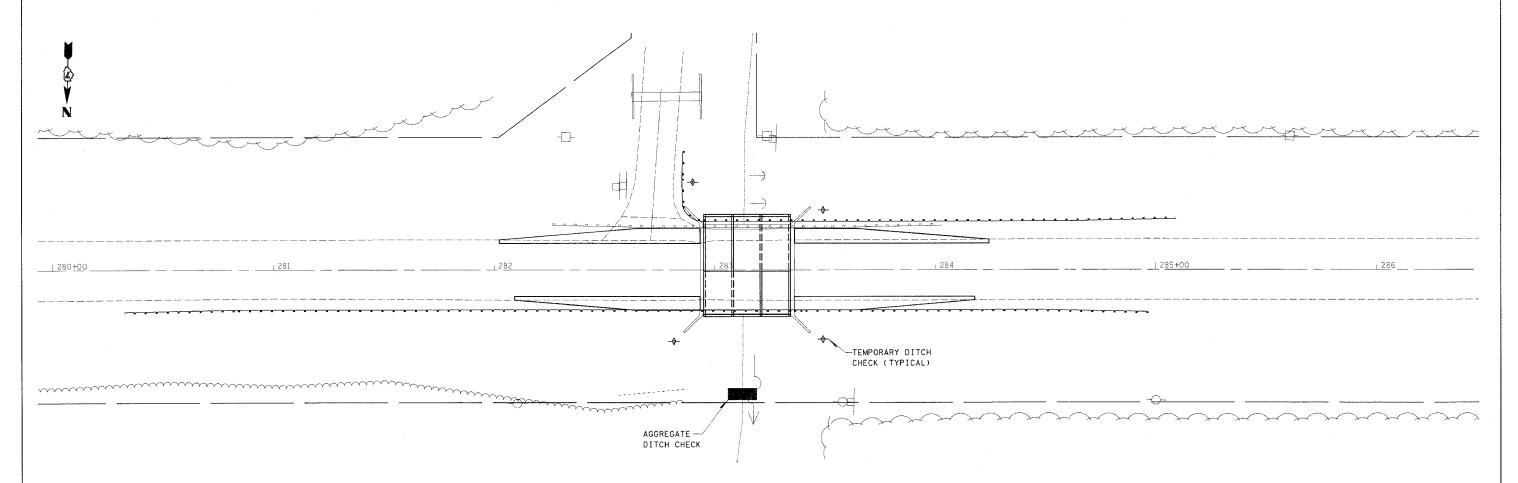
WHITE COUNTY

STATION 283+14.49

STRUCTURE NO. 097-2013

CONTRACT NO. 94771

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EROSION CONTROL GENERAL NOTES

EROSION CONTROL MEASURES AT THE START OF CONSTRUCTION:

- 1. THE AREAS OF EXCAVATION AND EMBANKMENT PLACEMENT SHALL BE MANAGED FOR THE PURPOSES OF CONTROLLING EROSION WITHIN THE IMPROVEMENT AREA, REDUCING WATER FLOW BY TEMPORARY DIVERSION, MINIMIZING SILTATION AT THE RIGHT-OF-WAY LINE, AND ESTABLISHING VEGETATIVE COVER WHICH WILL BECOME PERMANENT VEGETATION AND ACT AS AN EROSION CONTROL BARRIER. WORK AT THE START OF CONSTRUCTION SHALL CONSIST OF THE FOLLOWING:
- (a) AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL, AND OTHER ACTIVITIES THAT WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT.
- (b) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- (C) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARY SEEDED AT THE START OF CONSTRUCTION WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN CALENDAR DAYS.

EROSION CONTROL MEASURES DURING CONSTRUCTION:

- 1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
- (a) WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE A HIGH FLOW OF WATER, AS DETERMINED BY THE ENGINEER, SHALL REMAIN UNDISTURBED UNTIL CONTINUOUS OPERATIONS CAN ENSURE TIMELY COMPLETION OF WORK IN THESE AREAS TO MINIMIZE SOIL EROSION.
- (b) EARTH STOCKPILES SHALL BE TEMPORARY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN CALENDAR DAYS.

EROSION CONTROL MEASURES AFTER FINAL GRADING:

- 1. EXCAVATION AND EMBANKMENT AREAS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADE.
- (a) TEMPORARY EROSION CONTROL SYSTEMS SHALL REMAIN IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY WITH ALL PROPOSED TURF AREAS SEEDED AND A PROPER STAND ESTABLISHED.

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EKOSION CONTROL

SCALE: VERT.

DRAWN BY

