INDEX OF SHEETS

- COVER SHEET
- **GENERAL NOTES** SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- GENERAL SITE PLAN
- RESURFACING DETAIL (BRIDGE APPROACH TAPER/BUTT JOINT)
- STAGE CONSTRUCTION PLANS
- WIDE LOAD SIGN LOCATION
- BRIDGE PLANS

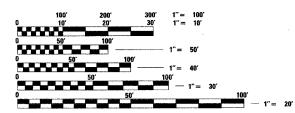
STANDARDS

COMMITMENTS

420401-05 630001-06 630301-03 631031-05 631032-02 635006--02 635011--01 701306-01 701321-08 701326-02 702001-06 704001-02

DESCRIPTION OF WORK

THE PROPOSED IMPROVEMENTS CONSIST OF REMOVAL OF THE EXISTING BRIDGE SUPERSTRUCTURE AND REPLACING WITH PRECAST, PRESTRESSED CONCRETE DECK BEAMS, CONCRETE WEARING SURFACE AND OTHER APPURTENANT ITEMS OF WORK THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO SATISFACTORILY CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND PROVISIONS STATED HEREIN



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

CONTRACT NO. 68483

LENGTH OF PROJECT

GROSS LENGTH: 392 FT = 0.074 MILES NET LENGTH: 392 FT = 0.074 MILES

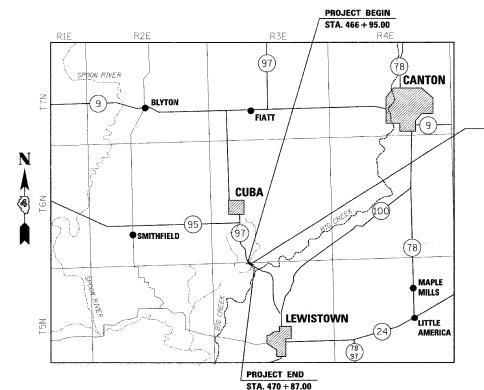
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

PROPOSED HIGHWAY PLANS

PLAN = 1"=30'
PROFILE HORIZ. = 1"=30'
PROFILE VERT. = 1"=5'
CROSS SECTIONS = 1"=10' HORIZ.
""-6" VERT

FAP ROUTE 622 (IL RTE 97) SECTION (128BR)I PROJECT NO. BHF - 0622 (007) **FULTON COUNTY DECK BEAM REPLACEMENT**

C-94-074-05



BRIDGE OVER BIG CREEK STA. 468 + 35.85 TO STA. 468 + 67.98 S.N. 029-0026

2003 ADT = 1800 2020 ADT = 2074

PRINTED BY THE AUTHORITY

OF THE STATE OF ILLINOIS

LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS

PASSED October 13, 20 06

APPROVED October 13 20 OC

DEPARTMENT OF TRANSPORTATION

622

FEO. ROAD DIST. NO.

FULTON 19 1

FED. AID PROJECT

ILLINOIS

CONTRACT NO. 68483

CATALOG NO. 033064-00D

D-94-074-05

ROBERT S. DECONCINI, P.E.

EXPIRES 11-30-2007



THOUVENOT, WADE & MOERCHEN, INC.

QA/QC BITUMINOUS SUPERPAVE PROJECT

PROJECT ENGINEER: JAMES SQUAD CONTACT: (309) 671–

S MILLER 1–3451

PLOT DATE: *DATE-TIME*

GENERAL NOTES

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION. AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS. OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGE HIS OPERATIONS IN ORDER THAT THE UTILITY'S OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.

THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL DILLTILS HAVE BLEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT, HAVE WITNESSED OR OTHERWISE REFERENCED THEIR

THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN PER PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

IT IS INTENDED THAT ANY CULVERTS DAMAGED BY OR REMOVED BY THE CONTRACTOR OTHER THAN THOSE NOTED ON THE PLANS TO BE REMOVED WILL HAVE TO BE REMOVED AND/OR REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.

ALL STORM SEWER AND CULVERT PIPE TO BE REMOVED WHICH THE ENGINEER DEEMS FIT FOR RE-USE SHALL BE SALVAGED IN ACCORDANCE WITH ARTICLES 501.02 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL OTHER STORM SEWER AND CULVERT PIPE SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR THE BASE COURSE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

NO VIBRATORY ROLLER WILL BE ALLOWED.

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CALLING J.U.L.I.E. AND FOR NON-J.U.L.I.E. MEMBERS, THE UTLITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- *ILLINOIS-AMERICAN WATER COMPANY
- *CHARTER COMMUNICATIONS
- *SBC COMMUNICATIONS
- *AMEREN CILCO/CIPS

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

FARM ACCESS

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ALLOW FARMERS AND RESIDENTS ACCESS TO FIELDS AND RESIDENCES DURING VARIOUS STAGES OF CONSTRUCTION IF ACCESS CANNOT BE ATTAINED BY OTHER ROADS.

UTITLIES - LOCATIONS/INFORMATION ON PLANS

UNLESS NOTED OTHERWISE, THE LOCATION OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, SOME UTILITY LOCATIONS ARE SHOWN AS FUTURE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

STEEL PLATE BEAM GUARD RAIL REMOVAL

CONTRACTOR TO ONLY REMOVE THE AMOUNT OF GUARD RAIL NECESSARY TO ALLOW INSTALLATION AND RE-CONNECTION OF THE NEW TERMINALS.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE BITHMINOUS SURFACE COURSE.

NAME PLATE RELOCATION

NAME PLATES THAT WILL BE REMOVED AS A RESULT OF THIS WORK SHALL BE RELOCATED ON THE STEEL BRIDGE RAIL, TYPE SM AS DIRECTED BY THE ENGINEER. THE COST OF REMOVING AND REPLACING THE NAME PLATE(S), INCLUDING ALL NECESSARY FASTENERS, WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

COMMITMENTS:

NONE

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	SURFACE	BINDER COURSE
	(1 ½" TO 2" LIFT)	(3 ½" LIFT)
AC7PG	PG 64-22	PG 64-22
RAP % (MAX)	15%	25%
DESIGN AIR VOIDS	4.2% @ N=50	4.2% @ N=50
MIX COMPOSITION	IL 9.5 OR 12.5	IL 19.0
(GRADATION MIXTURE)	16 3.3 01 12.3	12 15.0
FRICTION AGG	Mixture D	N.A.

PLAN QUANTITIES FOR BITHMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
622	(128BR)I	FULTON	19	2
STA.		TO STA.		

EXISTING CONDITIONS: CONTRACT NO.68483

ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY SCALE: NONE DRAWN BY: KBF DATE: 06/24/2006 CHECKED BY: BWP

PLOT DATE: *DATE-TIME*

SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SMEET NO
622	(128BR)I	FULTON	19	3
STA.		TO STA.	•	

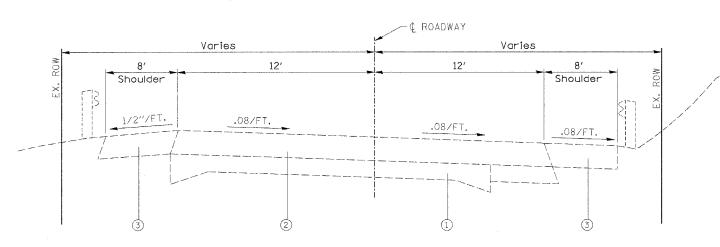
	SUMMARY OF QUANTITIES				F	TRUCTION	TYPE COD	E	
			TOTAL	I000 FED 80%	X080 -2A	A.	13	17(3	wat in a line
CODE NO	ITEM	UNIT	QUANTITIES	STATE 20%			\$ 1		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	107		107				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	57		57				
40600300	AGGREGATE (PRIME COAT)	TON	1.2		1.2				
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	266		266				
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1				
50300260	BRIDGE DECK GROOVING	SQ YD	144		144				
50300200	PROTECTIVE COAT	SQ YD	151		151				
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1355		1355				Andreas and the second
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2050		2050				
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	75		75				
51500100	NAME PLATES	EACH	1		1				
59000100	EPOXY CRACK SEALING	FOOT	14		14				
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4				
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	2		2				
63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	175		175				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4		4				
67100100	MOBILIZATION	L SUM	1		1				
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1				
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1				
70106700	TEMPORARY RUMBLE STRIP	EACH	6		6				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	168		168				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3208		3208				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1174		1174				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	452		452				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	452		452				
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	3208		3208				
78200410	GUARDRAIL MARKERS, TYPE A	EACH	4		4				A STATE OF THE STA
78201000	TERMINAL MARKER - DIRECT APPLIED	E.ACH	2		2				-
									AND PRODUCTION OF THE PERSON
									damain, and a second
									BANANCI EPIRANCI
									an colored property in
			-						1

CODE NO ITEM UNIT QUANTITIES STATE 20% X0301512 GUARDRAIL AGGREGATE EROSION CONTROL TON 9 9 X0325305 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5") SQ FT 20 20 X3560100 BITUMINOUS CONCRETE BASE COURSE WIDENING, 6" SQ YD 645 645 X4066424 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50 TON 70 70 X4066614 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50 TON 30 30 X5030305 CONCRETE WEARING SURFACE, 5" SQ YD 151 151 X7200200 WIDE LOAD SIGNING L SUM 1 1 Z0002600 BAR SPLICERS EACH 36 36 Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 EACH 2 2	CONTRACT NO. 68483									
CODE NO		SUMMARY OF QUANTITIES			1000	T	T***	TYPE COL	N	
X0301512 CUARDRAIL ACGREGATE EROSION CONTROL TON	CODE NO		UNITT	1	FED 80%					SFTY-3I
X326300 STRUCTURAL REPAIR OF CONGRETE UDEPTH EQUAL TO OR LESS THAN 5") X3560100 BITUMINOUS CONCRETE BASE COURSE WIDENING, 6" SO YD 645 X4066 42 SITUMINOUS CONCRETE SUPFACE COURSE, SUPERPAVE, MIX "D", NSO X4066614 BITUMINOUS CONCRETE SINDER COURSE. SUPERPAVE, MIX "D", NSO X5030305 CONCRETE WEARING SURFACE, S" SO YD 151 151 X7200200 WIDE LOAD SIGNING L SLM 1 1 1 Z0002600 BAR SPLICERS Z0030350 IMPACT ATTENUATORS, TEMPORARY INON-REDIRECTIVE), TEACH 2 TEST LEVEL 3 Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	CODE NO	Trew	01411	GOANTITIES	31AIL 20%					
DEPTH EQUAL TO OR LESS THAN 5") X3560100 BITUMINOUS CONCRETE BASE COURSE WIDENING, S" X4066442 BITUMINOUS CONCRETE SURFACE COURSE, X4066614 BITUMINOUS CONCRETE BINDER COURSE, X4066614 BITUMINOUS CONCRETE BINDER COURSE, X5030305 CONCRETE WEARING SURFACE, S" X5030305 CONCRETE WEARING SURFACE, S" X7200200 WIDE LOAD SIGNING AND SIGNING BAR SPLICERS LOAD SIGNING LACH 36 36 36 Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	9		. 9				
X4066424 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "O", NSO X4066614 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, NSO 30 30 X5030305 CONCRETE WEARING SURFACE, 5" SQ YD 151 151 X7200200 WIDE LOAD SIGNING L SUM 1 1 1 20002600 BAR SPLICERS EACH 36 36 36 Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 MPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 AND TEST LEVE	X0325305		SQ FT	20		20		,	TOTAL PROPERTY AND A STATE OF THE STATE OF T	
SUPERPAVE, MIX "D", NSO X4066614 BITUMINUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, NSO X5030305 CONCRETE WEARING SURFACE, 5" SO YD 151 LSUM 1 1 20002600 BAR SPLICERS Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 Z0030350 TEST LEVEL 3	X3560100	BITUMINOUS CONCRETE BASE COURSE WIDENING, 6"	SQ YD	645		645	:			
SUPERPAVE, IL-19.0, N50 X5030305 CONCRETE WEARING SURFACE, 5" X7200200 WIDE LOAD SIGNING L SUM 1 1 1 C0002600 BAR SPLICERS EACH 36 36 C0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 TEST LEVEL 3 TEST LEVEL 3 ACCUSAGE AND ACCUSAGE INON-REDIRECTIVE), TEST LEVEL 3 TEST LEVEL 3 TEST LEVEL 3	×4066 42 4		TON	70		70				
7200200 WIDE LOAD SIGNING L SUM 1 1 1 0002600 BAR SPLICERS 0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE). TEST LEVEL 3	(4066614		TON	30		30				
MONO2600 BAR SPLICERS IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 CO030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 EACH 2 CO030350 TEST LEVEL 3	(5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	151		151				
20030350 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 20030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 20030350 TEST LEVEL 3	(7200200	WIDE LOAD SIGNING	L SUM	1		1				
TEST LEVEL 3 20030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 2	20002600	BAR SPLICERS	EACH	36		36				
TEST LEVEL 3	20030250		EACH	2						2
	20030350		EACH	2						2

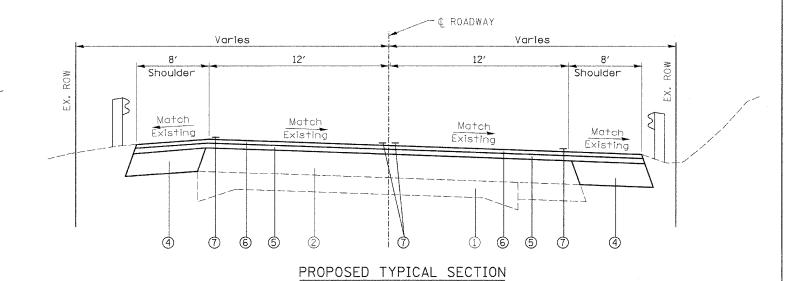
* SPECIALTY ITEM

	KE 11210N2		ILLINOIS DEPAR	TMENT OF TO	MOTTATION
1	NAME	DATE	ILLINOIS DE AN	TIMENT OF TH	ANSI OITATION
			SUMMARY	OF QUAI	NTITIES
***************************************				P. RTE. 622	-
				FION (128BR) TON COUNT)	=
			SCALE: NONE		DRAWN BY: KBF
			DATE: 06/24/2006		CHECKED BY: BWP

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO			
622	(128BR)I	FULTON	19	4			
STA.							



EXISTING TYPICAL SECTION F.A.P. 622 (IL 97)

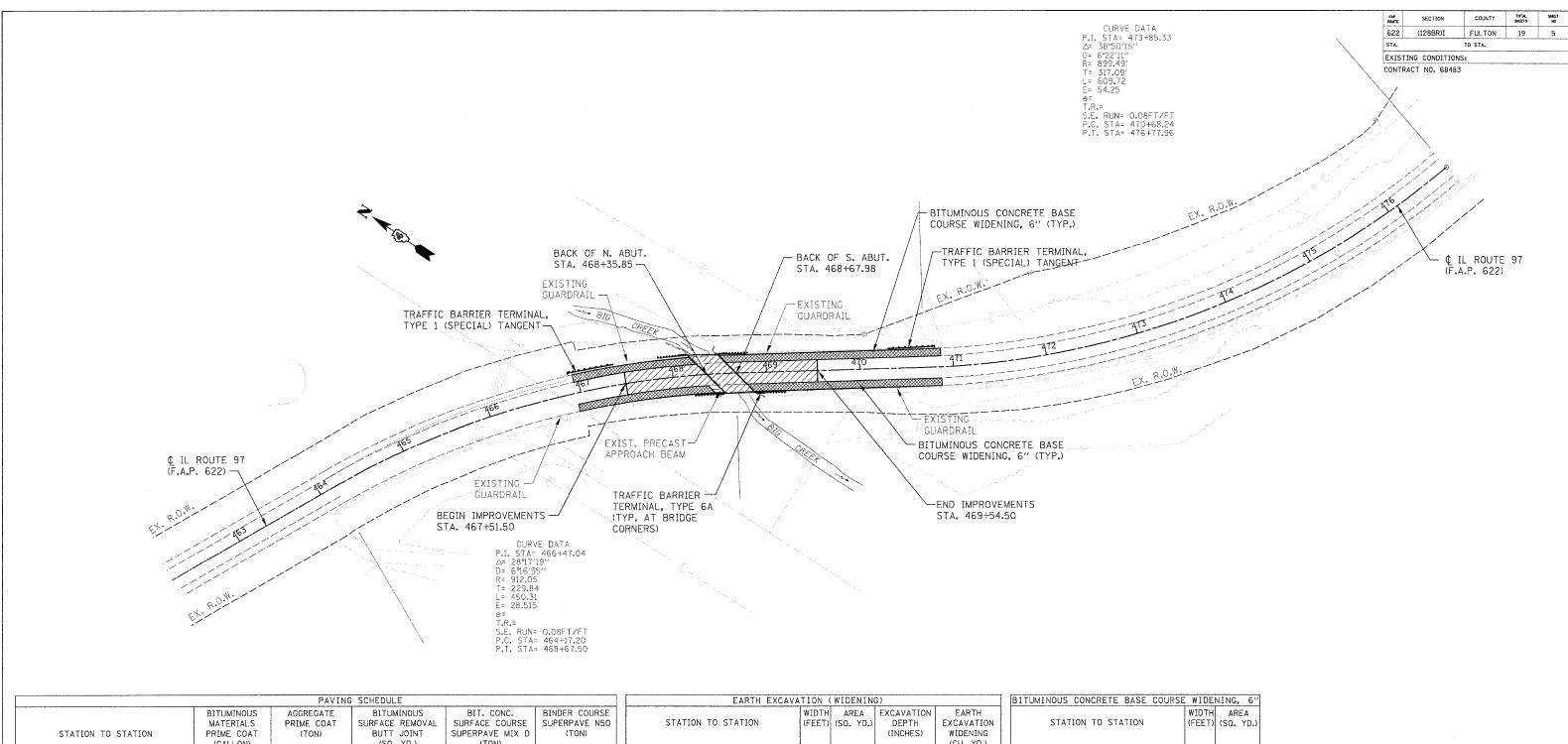


F.A.P. 622 (IL 97)

LEGEND

- 1 EXISTING P.C.C. PAVEMENT
- ② EXISTING BITUMINOUS CONCRETE SURFACE
 ③ EXISTING 6" AGGREGATE SHOULDERS
- BITUMINOUS CONCRETE BASE COURSE WIDENING, 6"
 PROPOSED BITUMINOUS CONCRETE BINDER COURSE
- SUPERPAVE, IL 19.0, N 50 VARIABLE DEPTH (1" MINIMUM)
- 6 PROPOSED BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX "D", N 50 - 1 1/2 "
- 7 PROPOSED PAVEMENT MARKING

REVISIONS NAME DATE	ILLINOIS DEPARTMENT	OF TRANSPORTATION
	TYPICAL S	ECTIONS
	F.A.P. RTE SECTION () FULTON C	128BR)I
	SCALE: NONE DATE: 06/24/2006	DRAWN BY: KBF CHECKED BY: BWP



			PAVIN	G SCHEDULE		
STATION	TO STATION	BITUMINOUS MATERIALS PRIME COAT (GALLON)	AGGREGATE PRIME COAT (TON)	BITUMINOUS SURFACE REMOVAL BUTT JOINT (SQ. YD.)	BIT. CONC. SURFACE COURSE SUPERPAVE MIX D (TON)	BINDER COURSI SUPERPAVE N5((TON)
467+51.50	468+35.85	28.4	0.6	133	34.5	14.7
468+67.98	469+54.50	28.8	0.6	133	34.9	15.2
TO	TAL:	57.2	1.2	266	69.4	29.9

	EARTH EXCAVA	TION (WIDENING	3)	
٦		WIDTH	AREA	EXCAVATION	EARTH
1	STATION TO STATION	(FEET)	(SQ. YD.)	DEPTH	EXCAVATION
1				(INCHES)	WIDENING
					(CU. YD.)
	466+95.00 LT. TO 468+25.87 LT.	8	116.3	6	19.4
	468+49.68 LT. TO 470+87.00 LT.	8	211.0	6	35.2
1	466+95.00 RT. TO 468+44.25 RT.	. 8	132.7	6	22.1
1	468+79.26 RT. TO 470+87.00 RT.	8	184.7	6	30.8
_			· · · · · · · · · · · · · · · · · · ·	TOTAL:	107.4

BITUMINOUS CONCRETE BASE COURSE	WIDE	NING, 6"
STATION TO STATION		AREA (SQ. YD.)
466+95.00 LT. TO 468+25.87 LT.	8	116.3
468+49.68 LT. TO 470+87.00 LT.	8	211.0
466+95.00 RT. TO 468+44.25 RT.	8	132.7
468+79.26 RT. TO 470+87.00 RT.	8	184.7
T	OTAL:	645

			GUARDRAIL SC	HEDULE		
STATION TO STATION		TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6A (EACH)	SPBGR REMOVAL (FOOT)	GUARDRAIL MARKERS T-A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)
466+91.83 LT.	467+16.83 LT.			25		
467+85.58 LT.	468+16.83 LT.		1	31.25	1	
466+66.83 LT.	467+16.83 LT.	1				1
468+48.94 LT.	468+80.19 LT.		1	31.25	1	
470+61.44 LT.	470+86.44 LT.			25		
470+61.44 LT.	471+11.44 LT.	1				1
468+13.37 RT.	468+44.62 RT.		1	31.25	1	
468+88.10 RT.	469+19.35 RT.		1	31.25	1	
TO	TAL:	2	4	175	4	2

	PAVE	MENT MARKING SC	HEDULE			
	SHORT TERM	TEMPORARY	WORK ZONE	EPOXY F	AVEMENT	PAVEMENT
STATION TO STATION	PAVEMENT	PAVEMENT	PAVEMENT MARKING	MARKING	LINE 4"	MARKING
	MARKINGS	MARKING LINE 4"	REMOVAL	(FC	OT)	REMOVAL
	(FOOT)	(FT)	(SQ. FT.)	WHITE	YELLOW	(SQ. FT.)
464+75.00 ¢ TO 472+77.00 ¢	168		56		1604	535
464+75.00 RT, TO 472+77.00 RT.				802		267
464+75.00 LT. TO 472+77.00 LT.				802		267
464+75.00 RT. TO 472+77.00 RT. (STAGE 1 & 2)		1604	535			
464+75.00 LT. TO 472+77.00 LT. (STAGE 1 & 2)		1604	535			
STOP BAR (2 LOCATIONS)			48			
SUB TOTAL:				1604	1604	
TOTAL:	168	3208	1174	32	08	1069

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATI	n
IAME	DATE	TELLINOIS DEPARTMENT OF TRANSPORTATI	
		GENERAL SITE PLAN	
		AND SCHEDULES	
		F.A.P. RTE. 622	
***************************************		SECTION (128BR)I	
		FULTON COUNTY	
		SCALE: NONE DRAWN BY:	KE

DATE: 03/24/2006

CHECKED BY: BWP

\$\$DATE\$\$
DATE-TIME
DGN-SPEC
*REF-

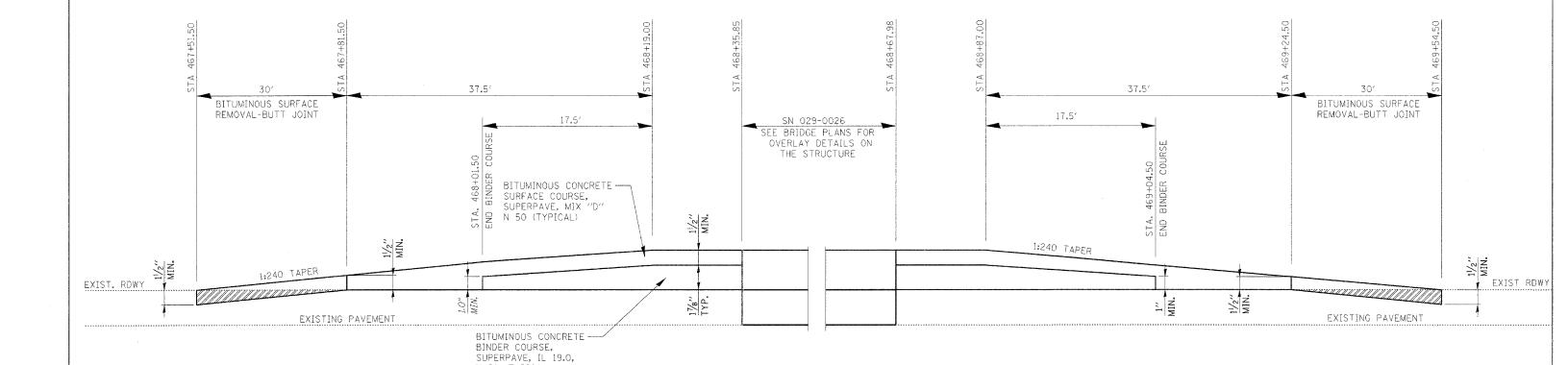
NOTES: FULL-DEPTH SAW CUTS ARE REQUIRED FOR ALL REMOVAL ITEMS AND THAT THE COST FOR SUCH IS INCLUDED IN THE REMOVAL ITEM.

'ROAD CONSTRUCTION AHEAD' SIGNS ARE REQUIRED ON ALL INTERSECTING ROADS AND HIGHWAYS. THE COST FOR SUCH IS INCLUDED IN THE APPLICABLE TRAFFIC CONTROL PAY ITEM.

SECTION TOTAL SHEETS 622 (128BR)I FULTON 19 6 STA.

EXISTING CONDITIONS:

CONTRACT NO. 68483

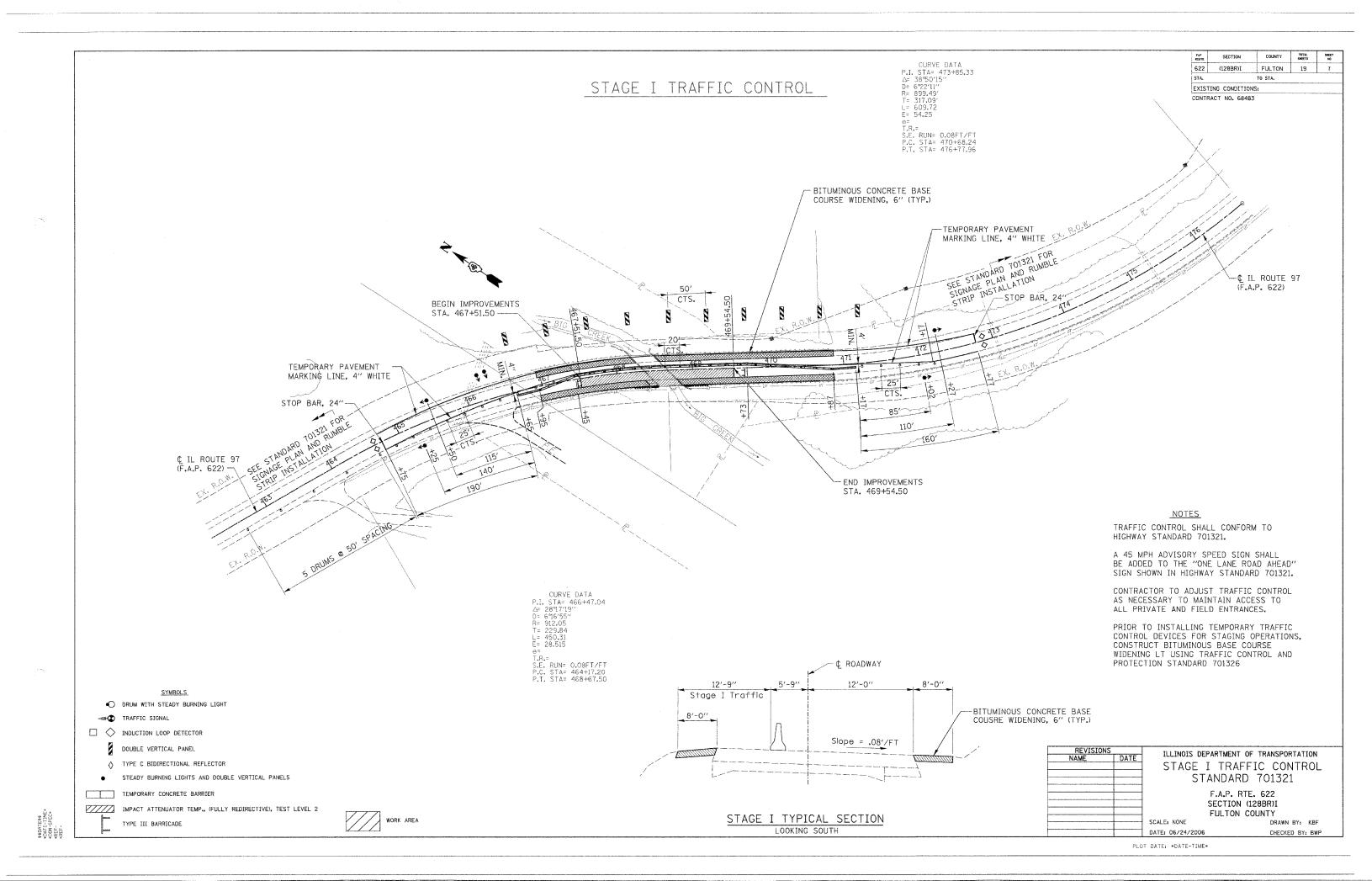


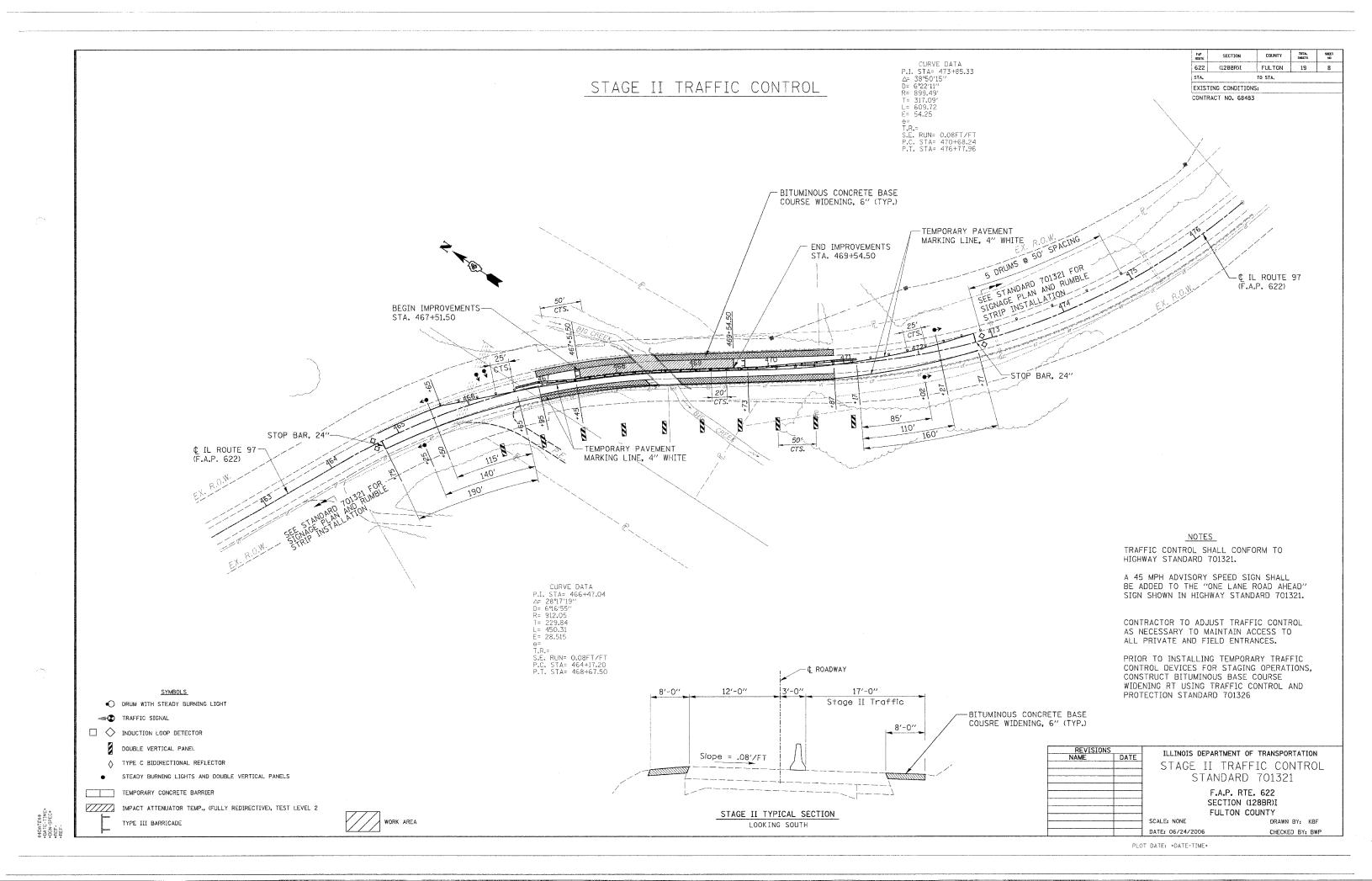
N 50 (TYPICAL)

SECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION BRIDGE APPROACH RESURFACING DETAIL (TAPER/BUTT JOINT) F.A.P. RTE. 622 SECTION (128BR)I FULTON COUNTY SCALE: NONE DRAWN BY: KBF DATE: 06/24/2006 CHECKED BY: BWP

PLOT DATE: *DATE-TIME*







- 1. All signs required will be supplied to the contractor by I.D.O.T.
- 2. The contractor shall furnish the posts AND erect signs at the locations shown on this sheet, as directed by the R.E./R.T. The posts shall remain the property of the contractor.
- 3. The contractor shall give Illinois Department of Transportation, Bureau of Operations two weeks notice for signs. The contractor shall pick up the signs at the T.M. building in Peorla, AND return them upon completion of the contract.
- The above noted work shall be paid for at the contract unit price, Lump Sum, for Wide Load Signing AND no other compensation will be allowed.
- 5. Sign spacing will be 400' or to fit field conditions.
- 6. The height to the bottom of the lowest sign shall not be less than 6' and a minimum of 4' from the edge of sign to edge of pavement.



MAX WIDTH

12FT O IN

7/2 MILES
AHEAD

MAX WIDTH

MAX WIDTH

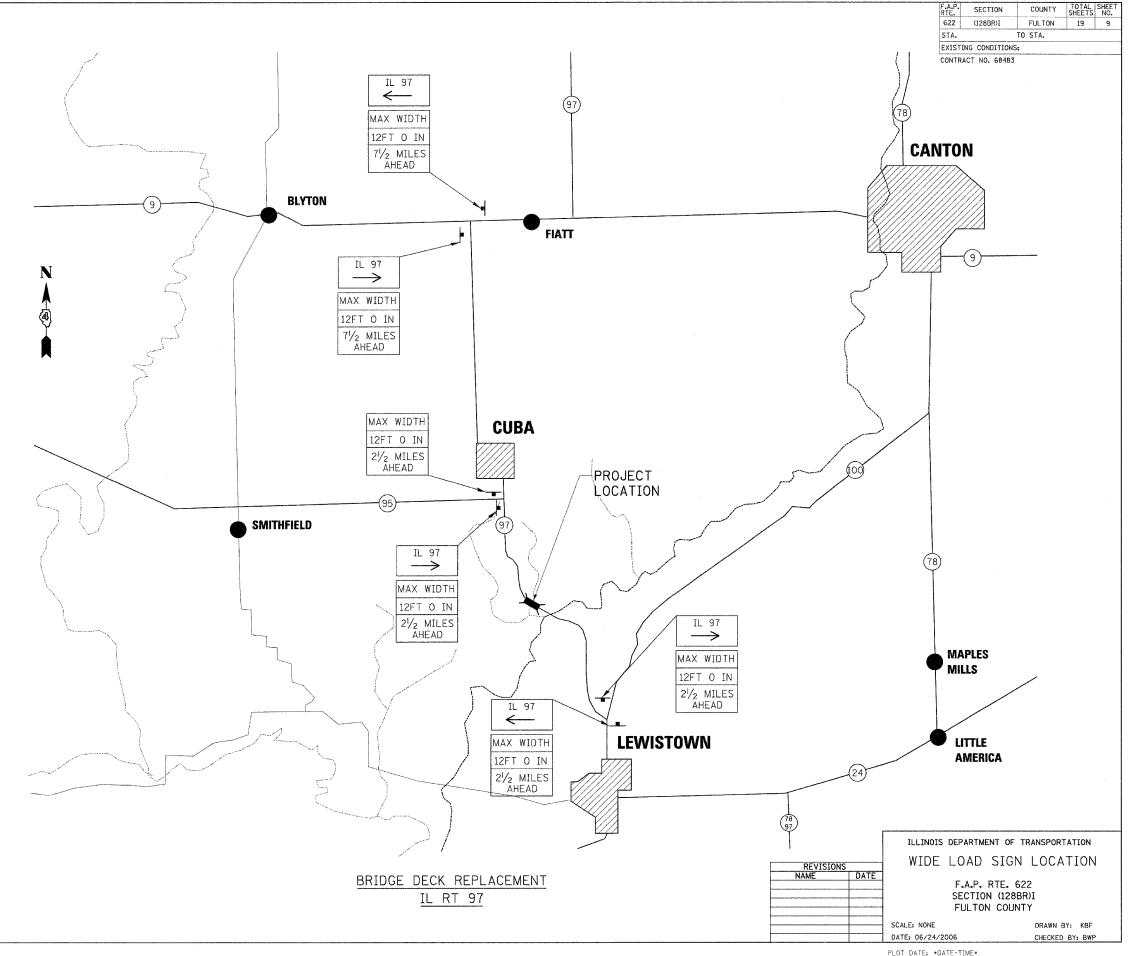
12FT O IN

21/2 MILES

AHEAD

IL 97 (2)

IL 97 ← (3)



Existing Structure- S.N. 029-0026 was originally built in 1928 and rebuilt in 1978 as S.B.I. RTE 95, section 128-BR at Sta. 468+53.4. The structure consists of simple span PPC-deck beams on closed abutments on pile supported footings. The bk. to bk. abutment length is 31'-7 l_8 " and the out to out bridge width is 42'-0". The existing superstructure is to be removed and replaced. Stage construction shall be used during construction.

Salvage - No Salvage

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Traffic Barrier Terminal

Std. 631032 Type 6A

(Typ. all 4 corners)

ROUTE NO. SECTION SHEET NO. 1 COUNTY F.A.P. (128BR)] FULTON 10 19 10 SHEETS FED. ROAD DIST. NO. 7

Contract #68483

GENERAL NOTES

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

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam

The minimum thickness of the Concrete overlay shall be 5" and varies as required to adjust for the new profile grade and beam camber.

The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractors responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

If the contractor's procedure for existing beam removal or placement of new beams involves placement of cranes or other heavy equipment on new beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new beams. To distribute load to multiple beams and protect the concrete, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. Prior to placement of the timber mats the following shall be done: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys. A temporary means of lateral restraint will be required for fascia beams at expansion ends of beams to prevent movement of the beams.

No instream work will be allowed on this project.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Bridge Deck Grooving	Sq. Yd.	144		144
Protective Coat	Sq. Yd.	151		151
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1355		1355
Reinforcement Bars, Epoxy Coated	Pound	2050		2050
Steel Bridge Rail, Type SM	Foot	75		75
Name Plates	Each	1		1
Epoxy Crack Sealing	Foot		14	14
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.		20	20
Concrete Wearing Surface, 5"	Sq. Yd.	151		151
Bar Splicers	Each	36		36



GENERAL PLAN AND ELEVATION ILLINOIS ROUTE 97 OVER BIG CREEK TRIBUTARY F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY Hermit P. Christman SN 029-0026

DESIGN SPECIFICATIONS 2002 AASHTO Standard Specifications - 17th ed. LOADING HS20-44 Allow 50#/Sa. Ft. for Future Wearing Surface

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi

f'c= 5,000 psi (Concrete Wearing Surface) fy = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi f'ci = 4.000 psi

 $f's = 270,000 \text{ psi } (\frac{1}{2}\text{"} \phi \text{ Low Relaxation Strands})$ $f'si = 201,960 \text{ psi } (\frac{1}{2}\text{"} \phi \text{ Low Relaxation Strands})$

INDEX OF SHEETS

- Plan and Elevation
- Stage Construction
- Temporary Concrete Barrier

R3F 4th PM

PROPOSED REHABILITATION-

for installation of steel post

behind existing wingwall.

LOCATION SKETCH

STATION 468+52.42 REBUILT 200 BY STATE OF ILLINOIS F.A.P. RT. 622 SEC. (128BR)I LOADING HS20 STR. NO. 029-0026

THOUVENOT,
WADE &
MOERCHEN, INC DESIGNED BWP CHECKED ALN TWM CORPORATE OFFICE 4940 OLD COLLINSVILLE I SWANSEA, ILLINOIS 62226 DRAWN CHECKED KPC

Sta. 468+36.85

Exist. Precast Approach Beam

Elev. 508.40

R = 912.05'E = 28.515'S = 0.08'/' P.C. Sta. 464+17.20 P.T. Sta. 468+67.50

CURVE DATA

Δ = 28°17′19"

D = 6°16′55"

T = 229.84'

L = 450.31'

P.I. Sta. 466+47.04

Adjust barrier terminal wood block out depth as necessary See Std. 515001

and relocated adjacent to new Name Plate, Cost included with Name Plates.

Superstructure Superstructure Details Concrete Overlay Details Type SM Steel Bridge Rail Side Mounted Bridge Rail Details Abutment Concrete Repair 10. Bar Splicer Assembly Details Sta. 468+52.42 42°04′34" Tangent Bk. Exist. South Abut. © Sta. 468+67.50 Sta. 468+67.98 Elev. 508.79 **APPROVED** € F.A.P. Rte. 622 FOR STRUCTURAL ADEQUACY ONLY GINEER OF BRIDGES AND STRUCTURES © Roadway Bk. Exist. North Abut. PT Sta. 468+67.50 -

Attach new Name Plate to

PLAN

back side of 8" rail element.

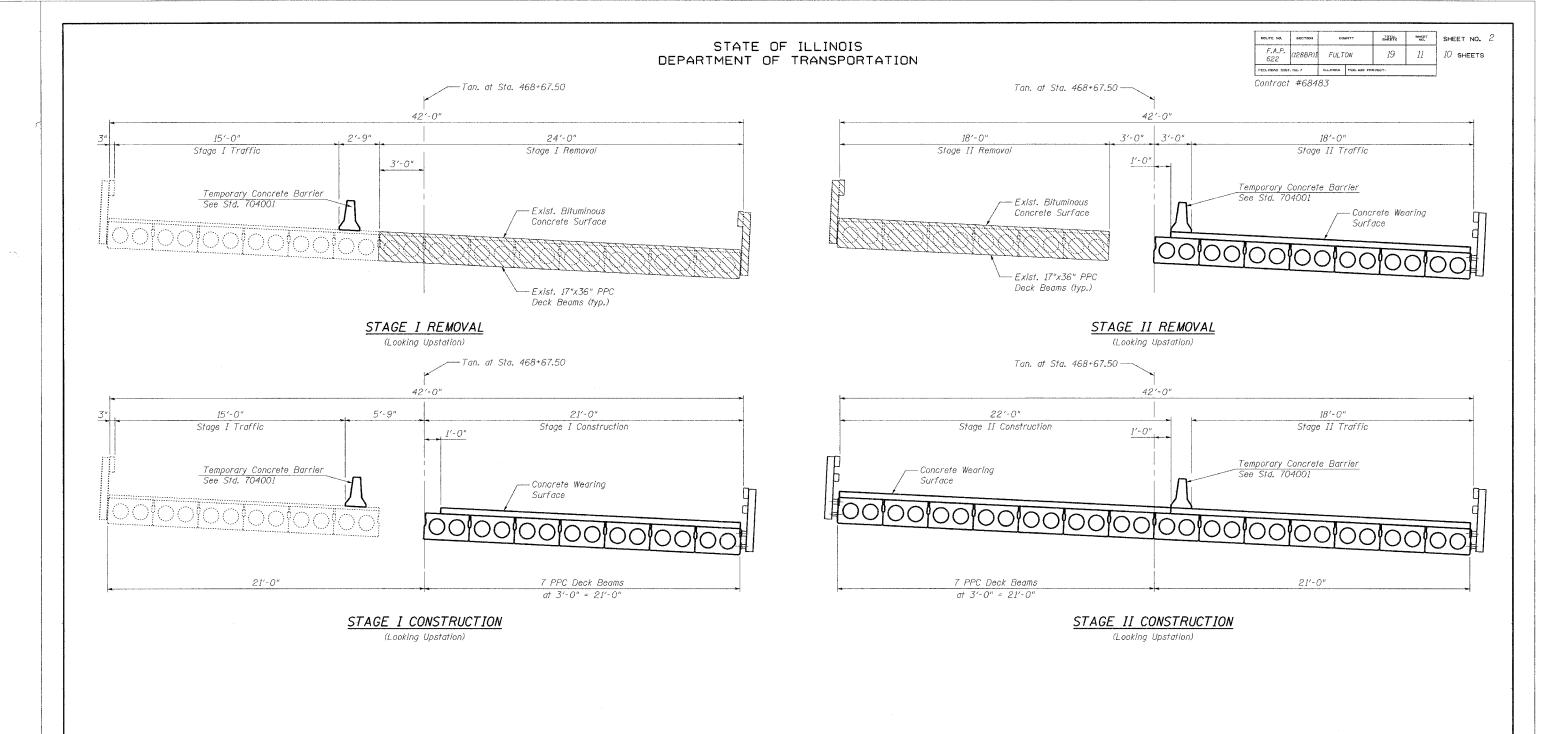
31'-7¹8" Back to Back Abutments

17" x 36" PPC

ELEVATION

Deck Beam

NAME PLATE Existing Name Plate shall be cleaned



STAGE CONSTRUCTION

ILLINOIS ROUTE 97 OVER

BIG CREEK TRIBUTARY

F.A.P. RTE 622 SECTION (128BR)I

FULTON COUNTY

SN 029-0026

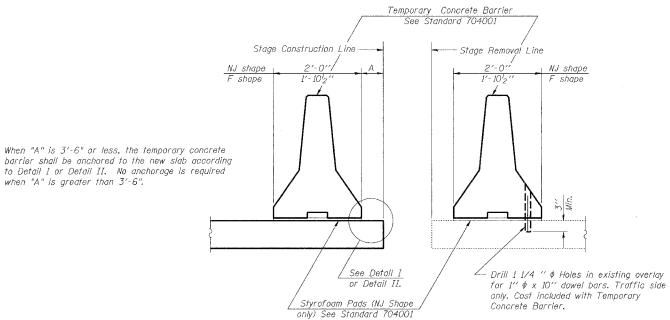
DESIGNED BWP

DESIGNED BWP

THOUVENOT,
WADE &
MOERCHEN, INC.
BORES - SERVING - PLANTES

DRAWN KBF

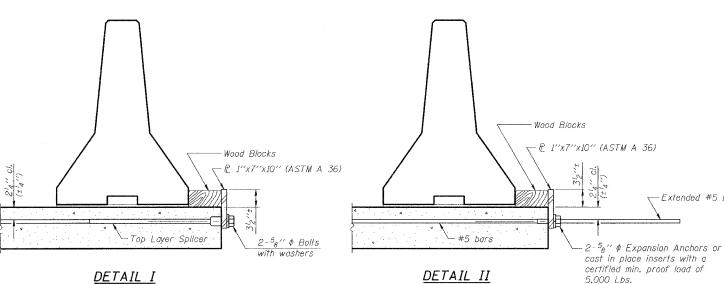
COPPRAIR OFFICE
SHAPE, ILLINO'S 62226
FAX (SISO 624-6688
E-MAIL comprise inclosions



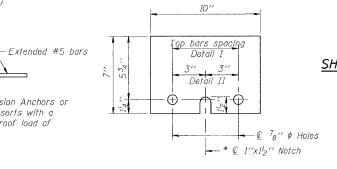
NEW SLAB

EXISTING SLAB

SECTIONS THRU SLAB



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

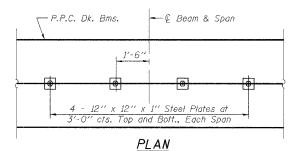


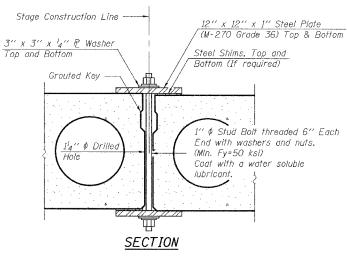
P 1"x7"x10" * Required only with Detail II

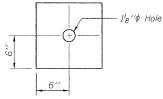
F.A.P. (128BR)I FULTON 19 12 10 SHEETS PED, ROPD DIST. NO. 7 | LLUINDIS | PED, AID PROJECT Contract #68483

SHEET NO. 3

ROUTE NO. SECTION COUNTY







CLAMPING PLATE

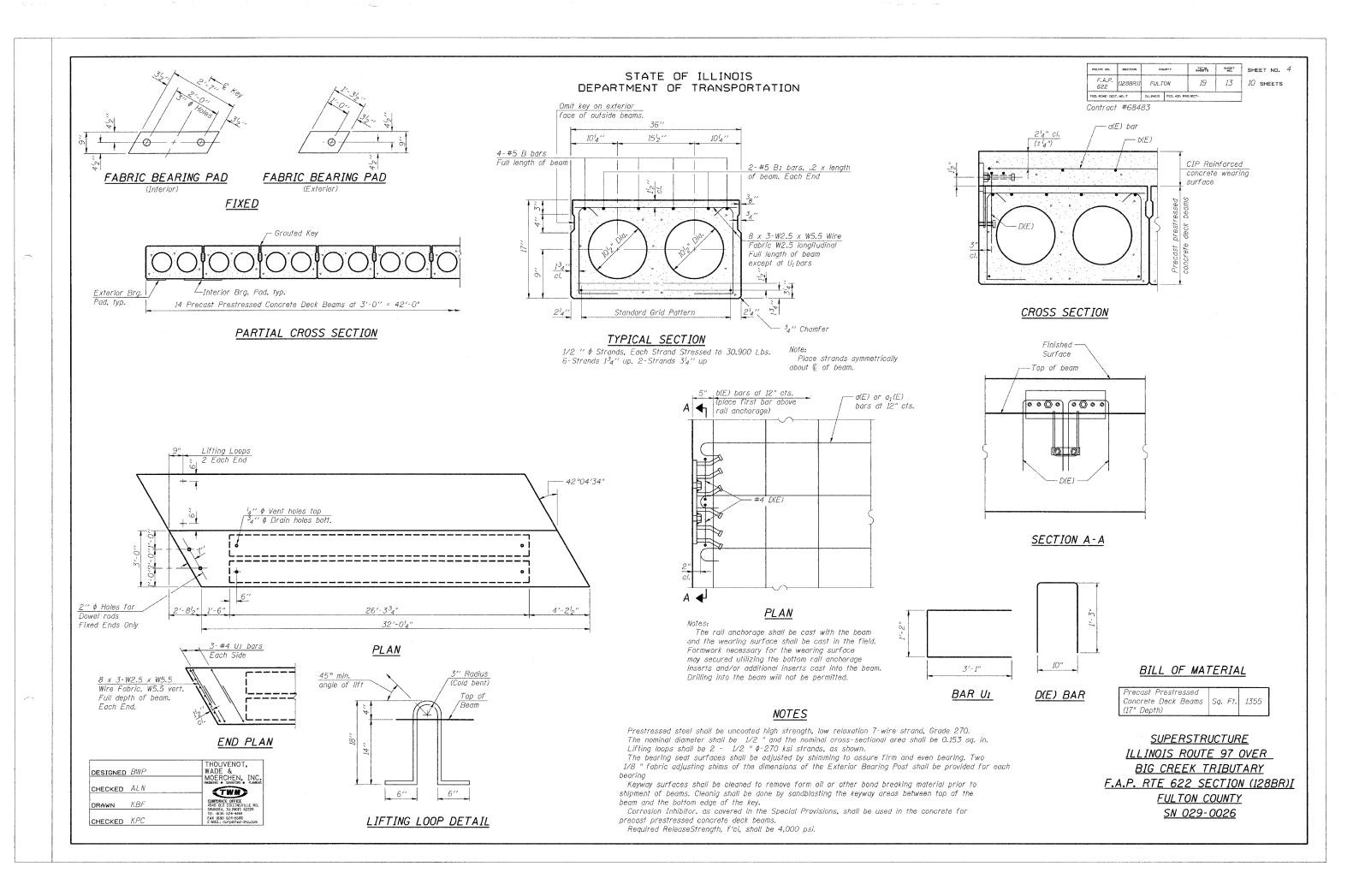
SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

See Special Provisions for Stage Construction of Precast Prestressed Concrete Deck Beams. Cost included with "Precast Prestressed Concrete Deck Beams" (17" Depth). See Stage Construction Details for traffic lanes.

> TEMPORARY CONCRETE BARRIER ILLINOIS ROUTE 97 OVER BIG CREEK TRIBUTARY F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY SN 029-0026

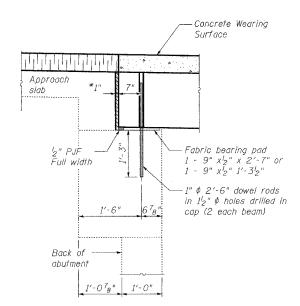
DESIGNED	BWP	THOUVENOT, WADE &
CHECKED	ALN	MOERCHEN, INC
DRAWN	KBF	CORPORATE OFFICE 4940 OLD COLLINSVILLE RD.
CHECKED	KPC	SWANSEA, ILLINOTS 62226 TEL (618) 624-4488 FAX (618) 624-6688 E-MAIL: corpetwm-inc.com
-R-27		10-22-04-

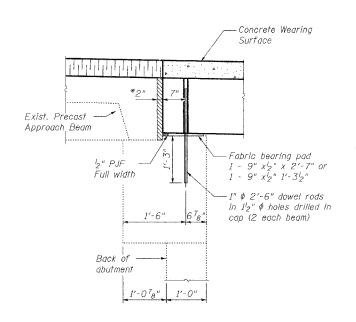
when "A" is greater than 3'-6".



ROUTÉ NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET NO. 5
F.A.P. 622	(128BR)I	FULTON		19	14	10 SHEETS
FEG. ROAD DIST. NO. 7 ILLINOIS FED. AID PRO		OJECT-				

Contract #68483





SECTION THRU NORTH AND SOUTH ABUTMENTS

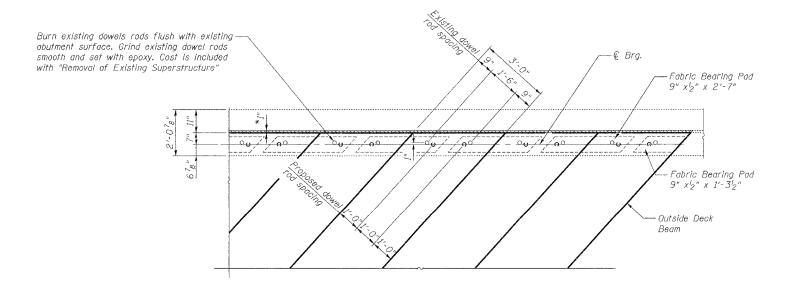
SECTION THRU NORTH ABUTMENT

After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting shear keys.

Dowel rods drilled in cap are included in the Precast Prestressed Concrete Deck Beams (17" depth).

All horizontal dimensions are at right angles to beam ends. See Sheet 4 of 10 for bearing pad details.

*Joint shall be filled with non-shrink grout. Dimension may vary to accommodate tolerance in beam lengths.

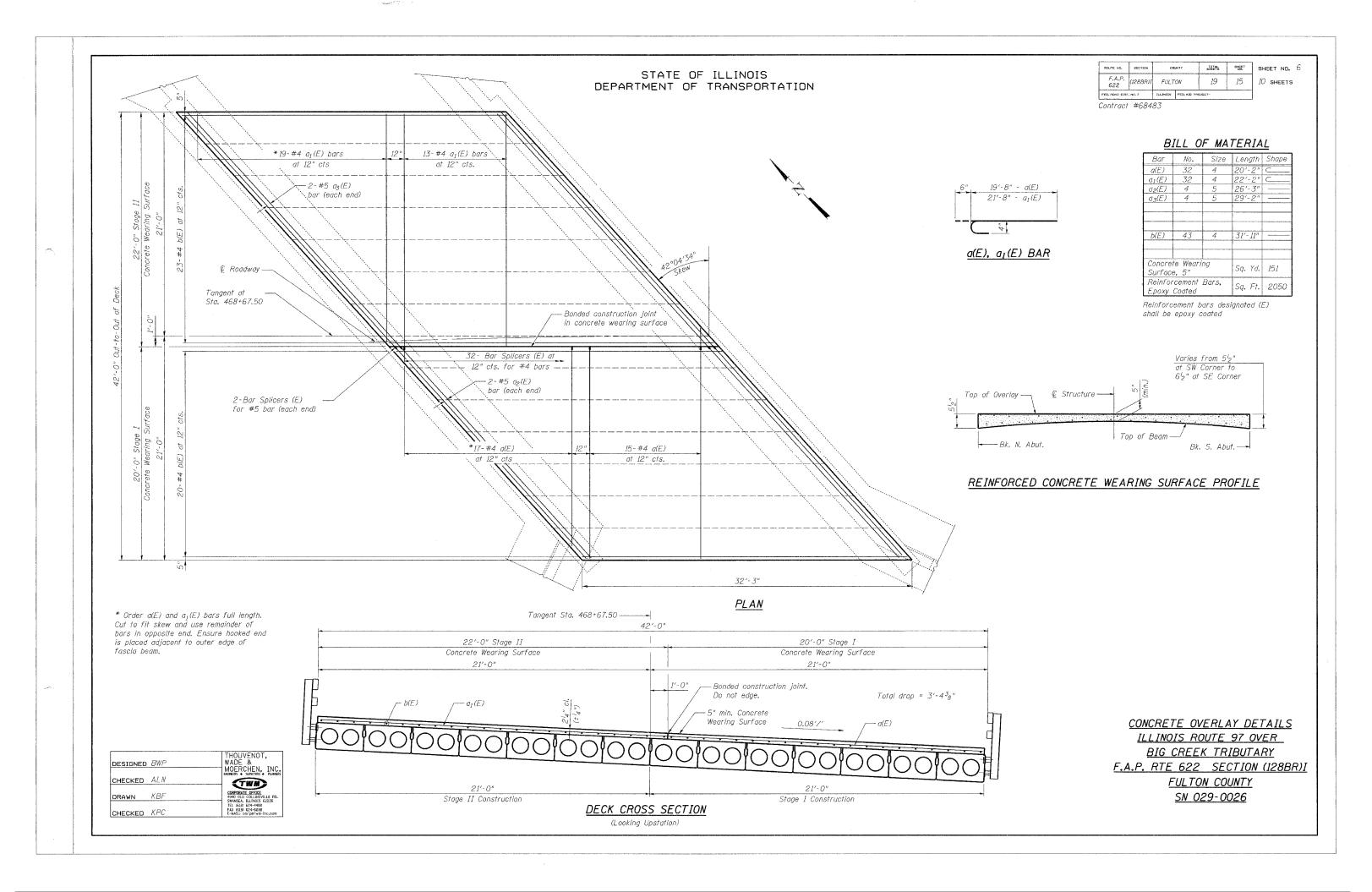


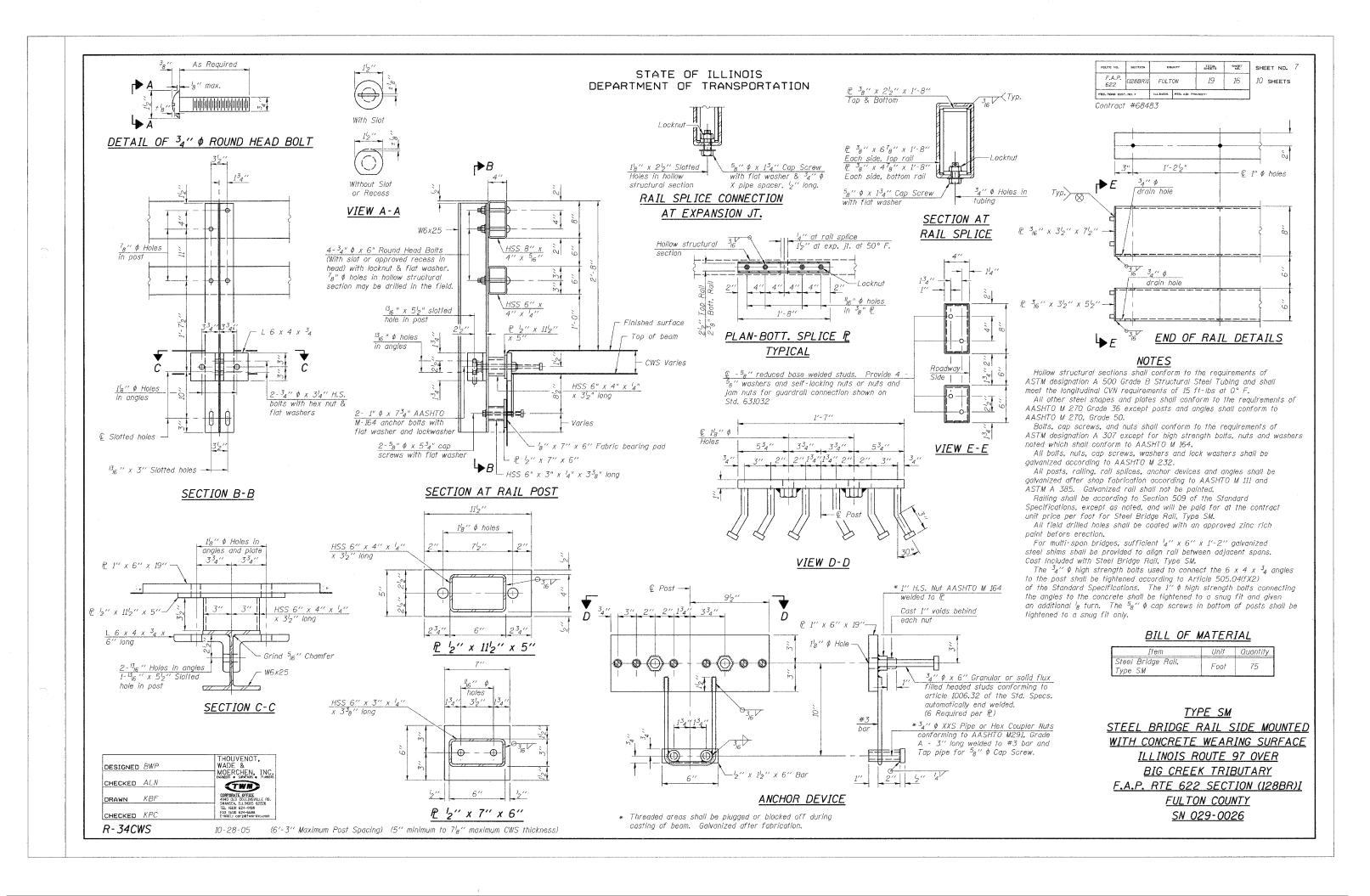
PARTIAL PLAN

THOUVENOT,
WADE &
MOERCHEN, INC. DESIGNED BWP CHECKED ALN TWM DRAWN KBF CHECKED KPC

ILLINOIS ROUTE 97 OVER BIG CREEK TRIBUTARY F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY SN 029-0026

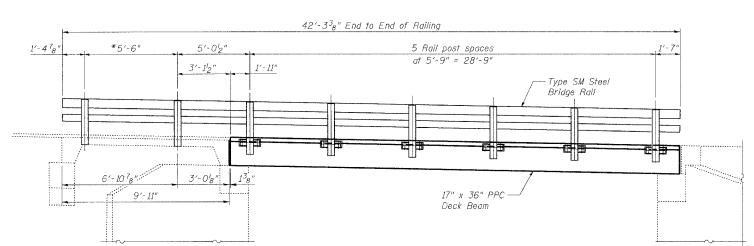
SUPERSTRUCTURE DETAILS



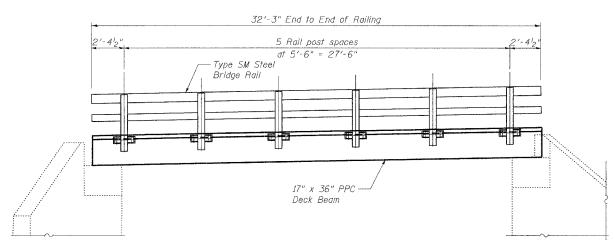


ROUTE NO. 96	CTION	COUNTY		TOTAL SHEETS	SP-BOST ND.	SHEET NO.	8
F.A.P. 622	8BR)I	FULTON		19	17	10 SHEETS	5
PED. ROAD DIST. NO. 7 JULINOIS FEG. AID P		FEO. AID PRI	олест-				

Contract #68483

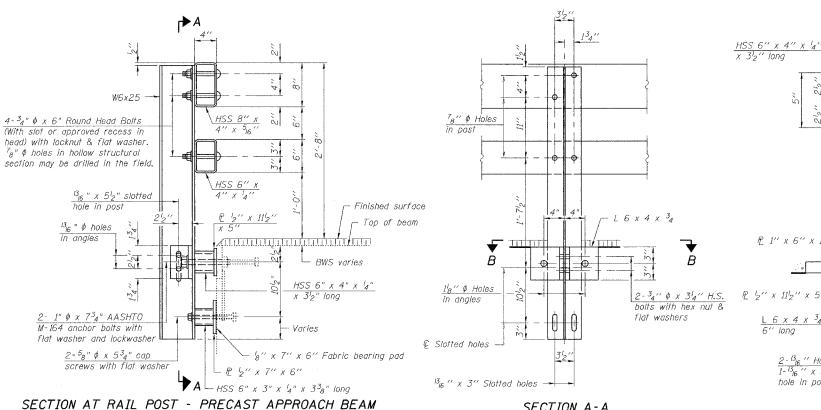




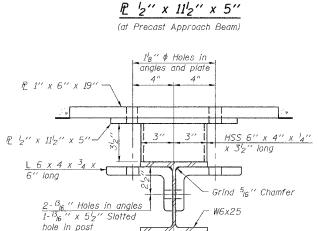


EAST BRIDGE RAIL ELEVATION

(Looking West)







1 d holes 1 d holes

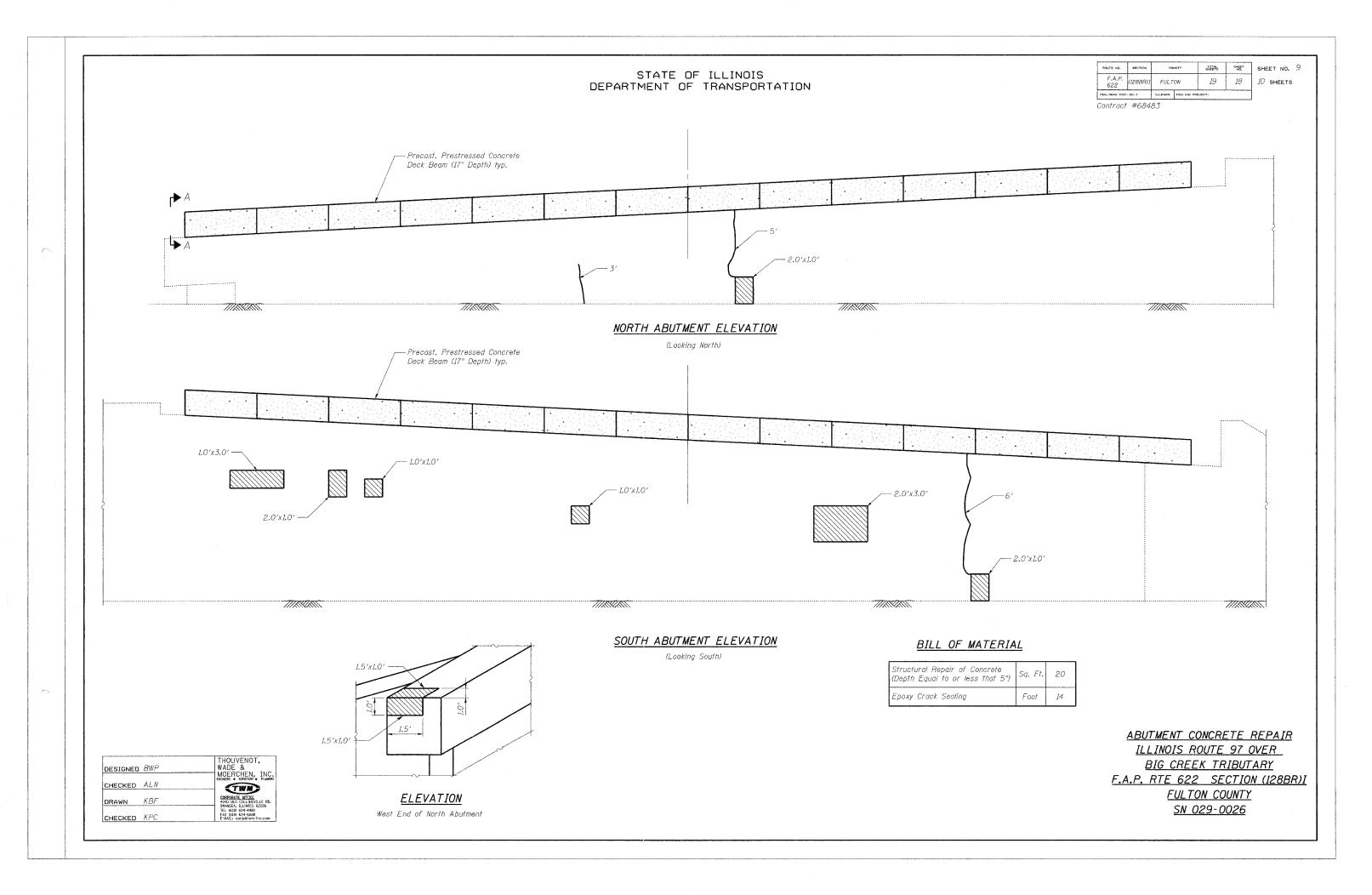
SECTION B-B (at Precast Approach Beam)

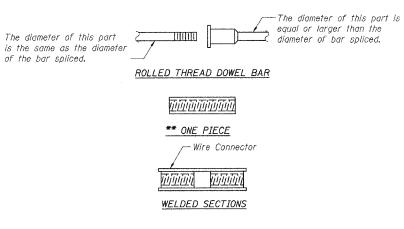
BRIDGE RAIL DETAILS ILLINOIS ROUTE 97 OVER BIG CREEK TRIBUTARY F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY SN 029-0026

DESIGNED	BWP	THOUVENOT, WADE &
CHECKED	ALN	MOERCHEN, INC.
DRAWN	KBF	CORPORATE OFFICE 4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226
CHECKED	KPC	TEL (618) 624-4488 FAX (618) 624-6688 E-MAIL: comp@twm-inc.com

* Attach posts to existing anchor devices in precast approach beams. Field verify prior

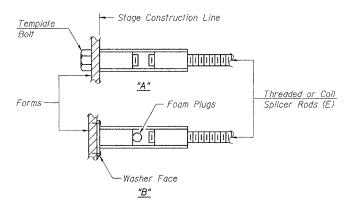
to fabrication of Type SM Steel Bridge Rail.





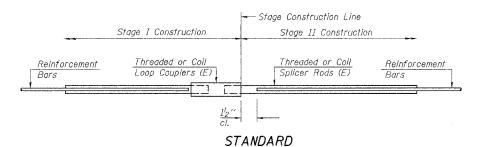
BAR SPLICER ASSEMBLY ALTERNATIVES

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



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.



DESIGNED BWF	,	THOUVENOT,
		MOERCHEN, INC.
CHECKED ALN		(TWII)
1		CORPORATE OFFICE
DRAWN KBF		4940 OLD COLLINSVILLE RD. SWANSEA, ILLINOIS 62226
CHECKED KPC		TEL (618) 624-4468 FAX (618) 624-6688 E-MAIL: corpetwe-inc.com

	ROUTE NO.	BECTION	COUNTY		TOTAL SHEETE	SP-SECT NO.	SHE	ET NO. 10
	F.A.P. 622	(128BR)I	FULTON		19	19	10	SHEETS
[FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PRO		DJECT-					

Contract #68483

NOTES

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 = $1.25 \times fy \times A_t$ (Tension in kips)
- Tension in kips, Minimum *Pull-out Strength = 1.25 x fs_{allow} x A_t (Tension in kips)

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.

* = 28 day concrete

	BAR SPLICER ASSEMBLIES						
		Strength Requirements					
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		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				
#11	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."

Bar Size	No. Assemblies Required	Location
4	32	Concrete Wearing Surface
5	2	North end of deck
5	2	South end of deck

BAR SPLICER ASSEMBLY DETAILS <u>ILLINOIS ROUTE 97 OVER</u> BIG CREEK TRIBUTARY F.A.P. RTE 622 SECTION (128BR)I FULTON COUNTY SN 029-0026