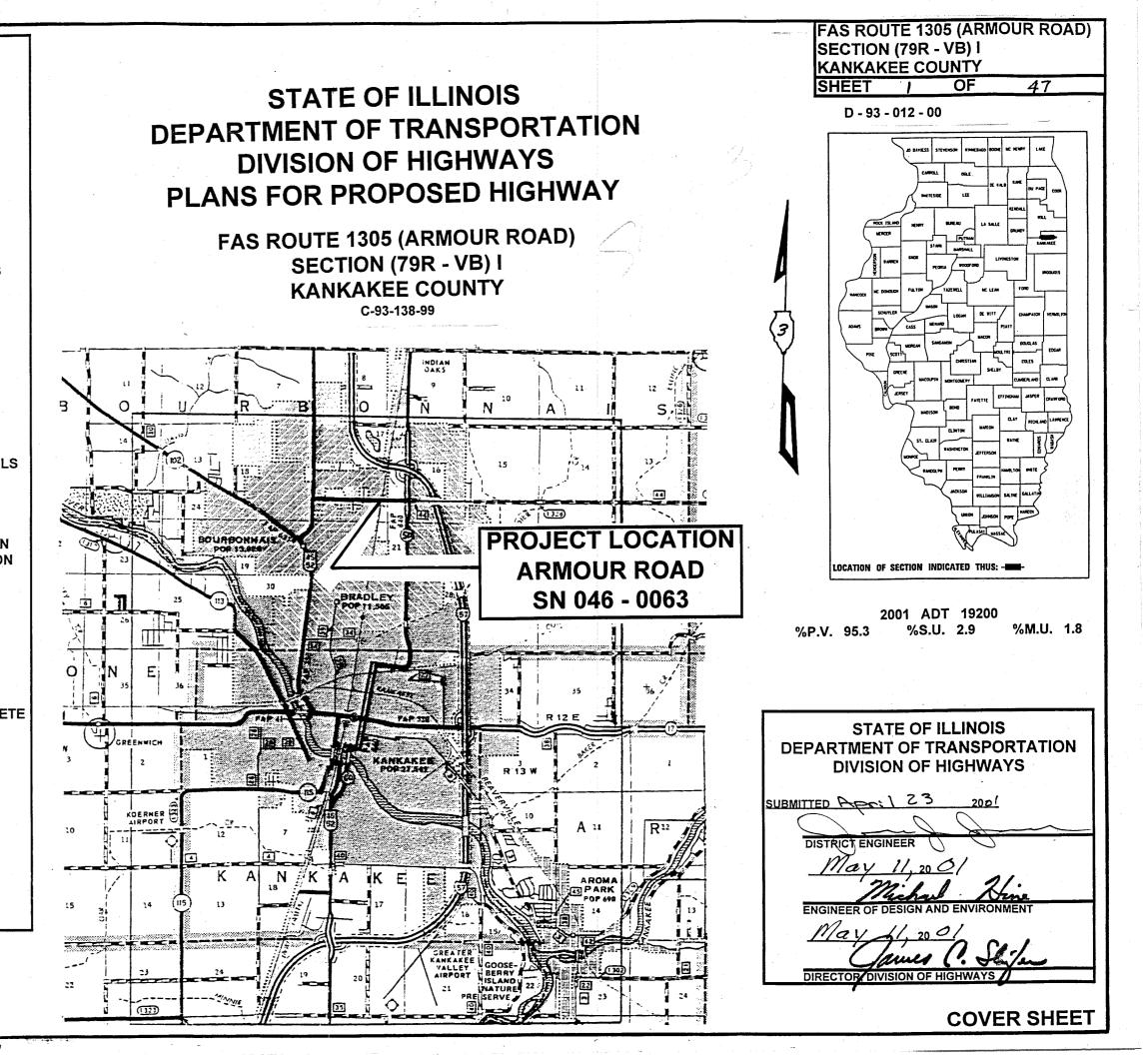
## **INDEX OF SHEETS**

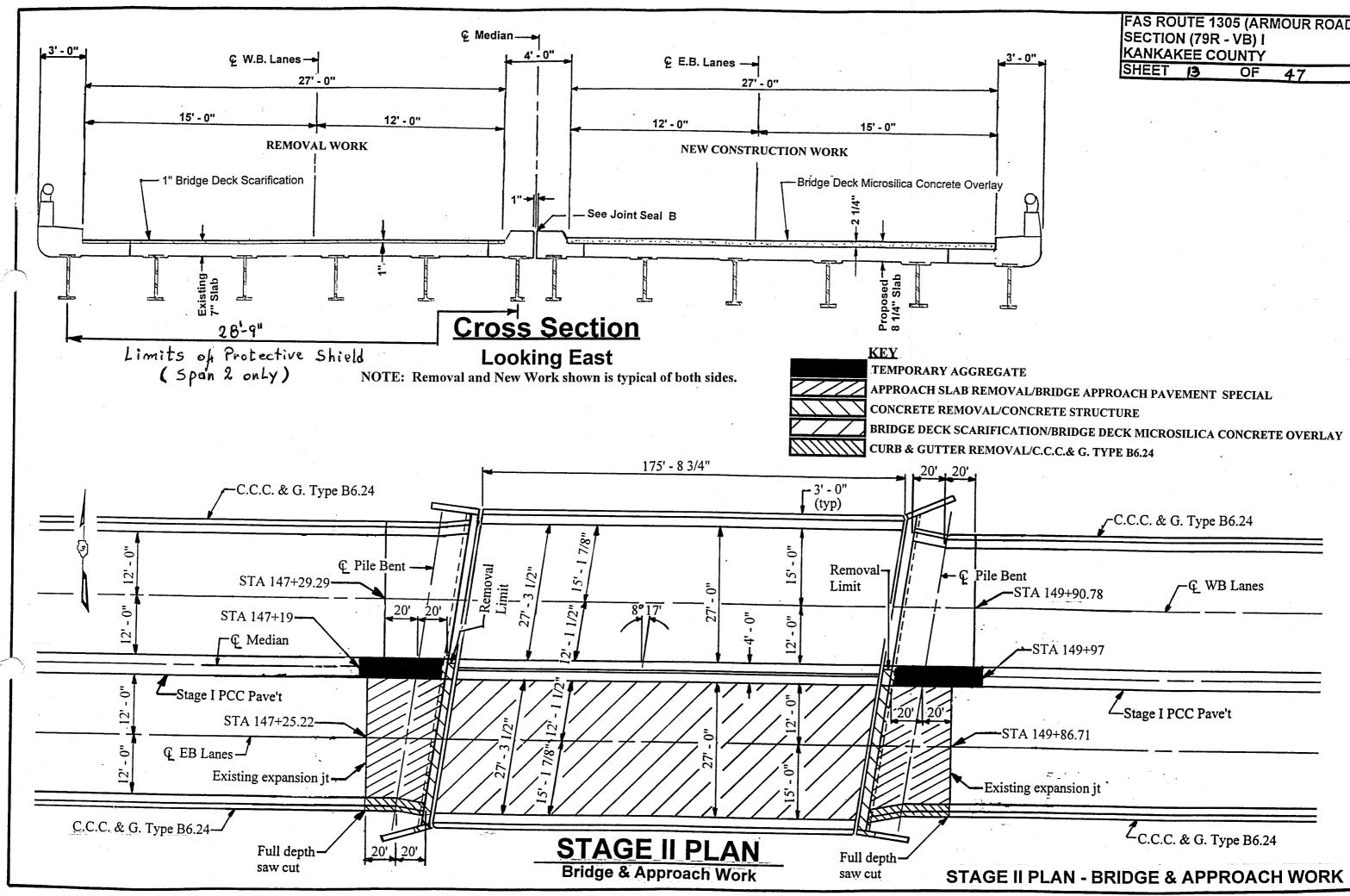
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# **STANDARDS**

420001	-02	PAVEMENT JOINTS
420401	-02	BRIDGE APPROACH PAVEMENT
420701		PAVEMENT FABRIC
515001		NAME PLATE FOR BRIDGES
606001	-01	COMBINATION CURB AND COMBINATION CONCRE
		CURB AND GUTTER
606301	-02	PC CONCRETE ISLANDS AND MEDIANS
630001		STEEL PLATE BEAM GUARDRAIL
701426	-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR
	•••	MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701602		URBAN LANE CLOSURE, MULTILANE 2W WITH
		MOUNTABLE MEDIAN
701606	-03	URBAN LANE CLOSURE, MULTILANE 2W WITH
		MOUNTABLE MEDIAN
702001	-01	TRAFFIC CONTROLL DEVICES
704001		TEMPORARY CONCRETE BARRIER
780001	-01	TYPICAL PAVEMENT MARKINGS
	#3. (5	15) 434-6131

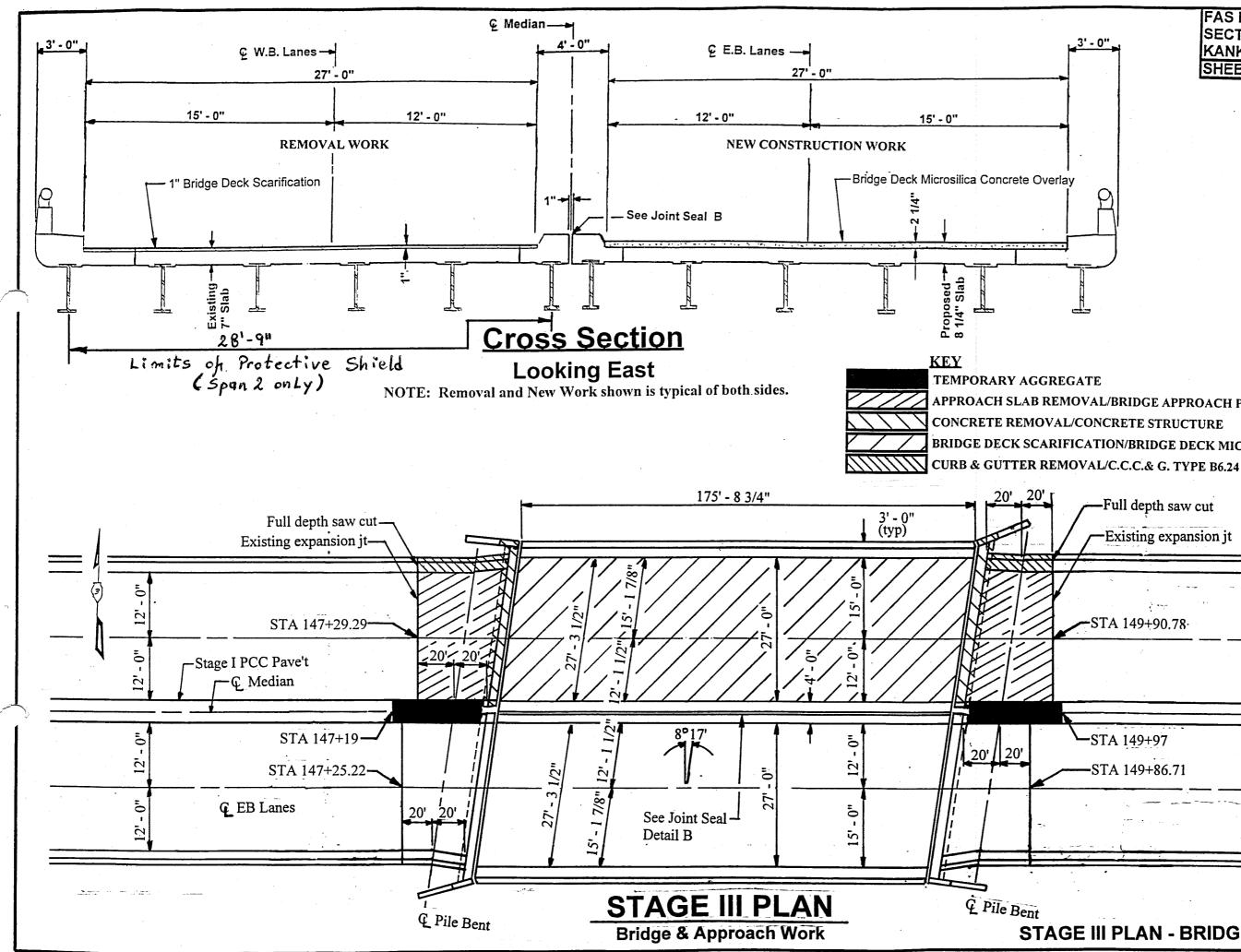
I.D.O.T. Dist.#3: (815) 434-6131 JULIE (800) 892-0123 PROJECT ENGINEER: TOM SCHAEFER (815) 434-8446 SQUAD CHIEF: ROYCE DAVIS (815) 434-8419 TOWNSHIP: BOURBONNAIS CONTRACT NO.: 86957





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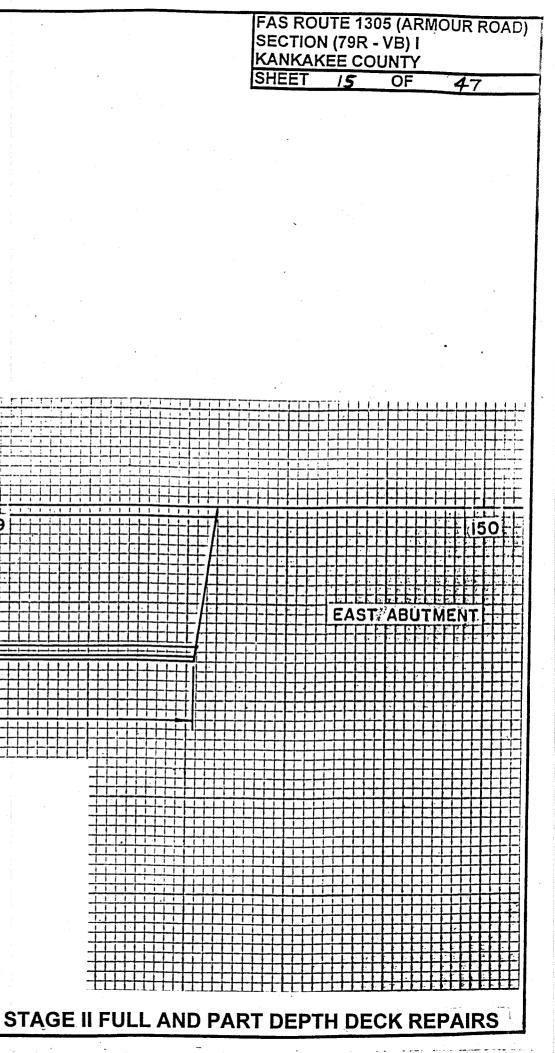
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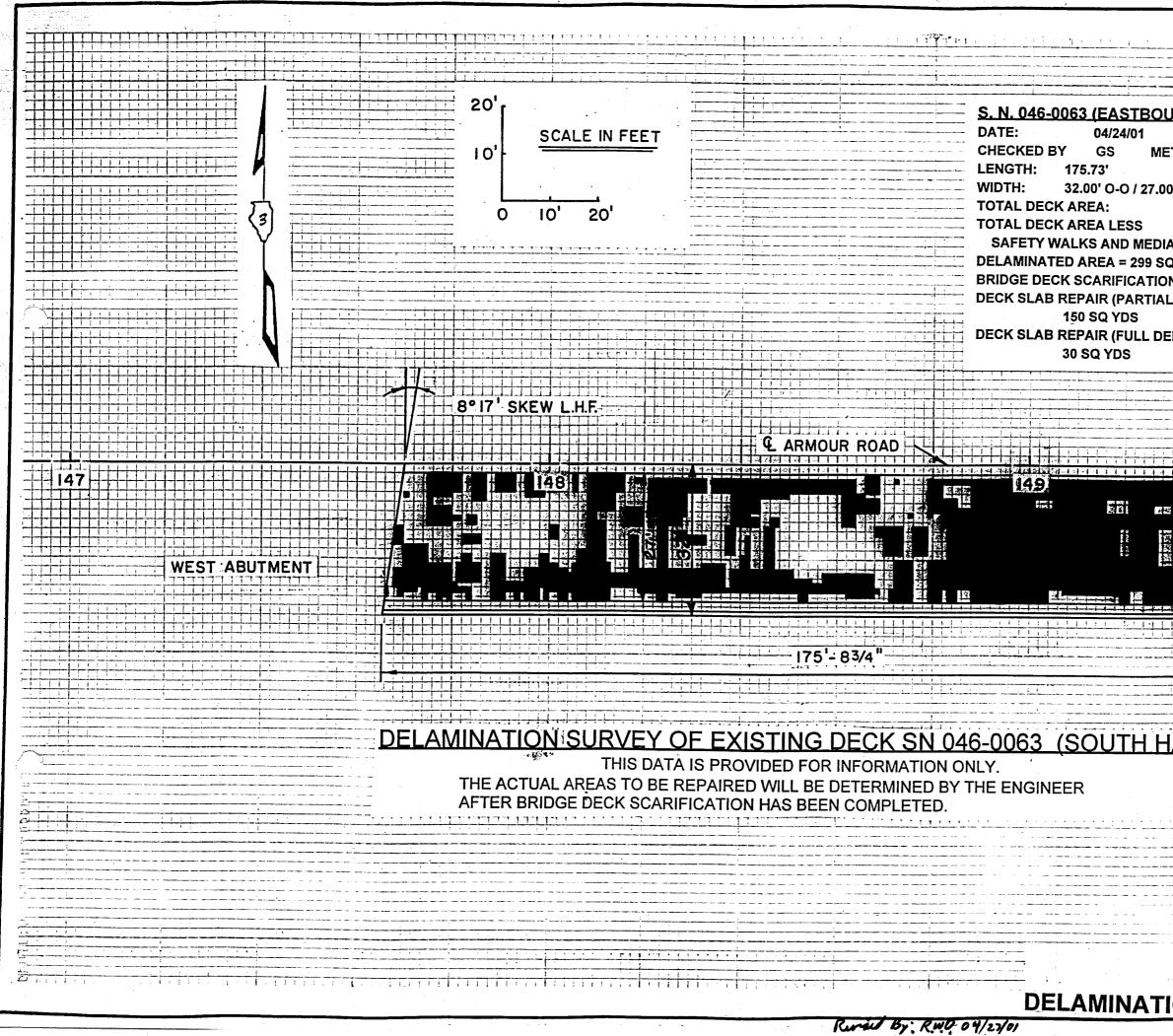
APPROACH SLAB REMOVAL/BRIDGE APPROACH PAVEMENT SPECIAL BRIDGE DECK SCARIFICATION/BRIDGE DECK MICROSILICA CONCRETE OVERLAY

Existing expansion jt	
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	Stage I PCC Pave't
STA 149+97	
STA 149+86.71	-

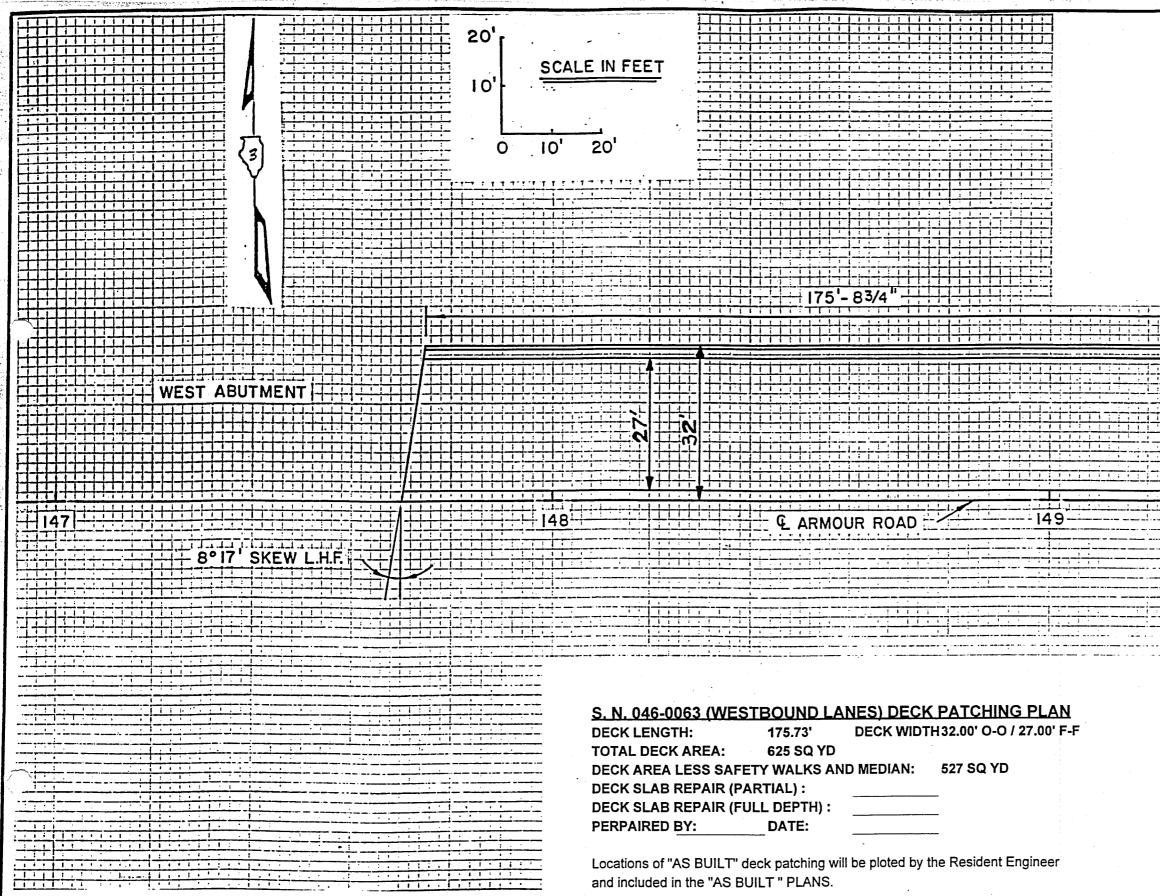
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			<u>-+-i</u>
	S. N. 046-0063 (	EASTBOUND LANES) DECK PATCHING PLAN	
		THE PUBLIC PAIL PAIL PAIL PAIL PAIL PLAN	
	DECK LENGTH:	175.73' DECK WIDTH32.00' O-O / 27.00' F-F	11
	TOTAL DECK AREA	A: 625 SQ YD	
		SAFETY WALKS AND MEDIAN: 527 SQ YD	
	DECK SLAB REPAI	R (PARTIAL) :	
	DECK SLAB REPAI		
	PERPAIRED BY:	DATE:	
			11
	Locations of "AS BUI	T" dook potobing will be stated to the provide the	-
		LT" deck patching will be ploted by the Resident Engineer	
		AS BUILT " PLANS.	
•			L.L

## Review 04: RWO 04/27/01





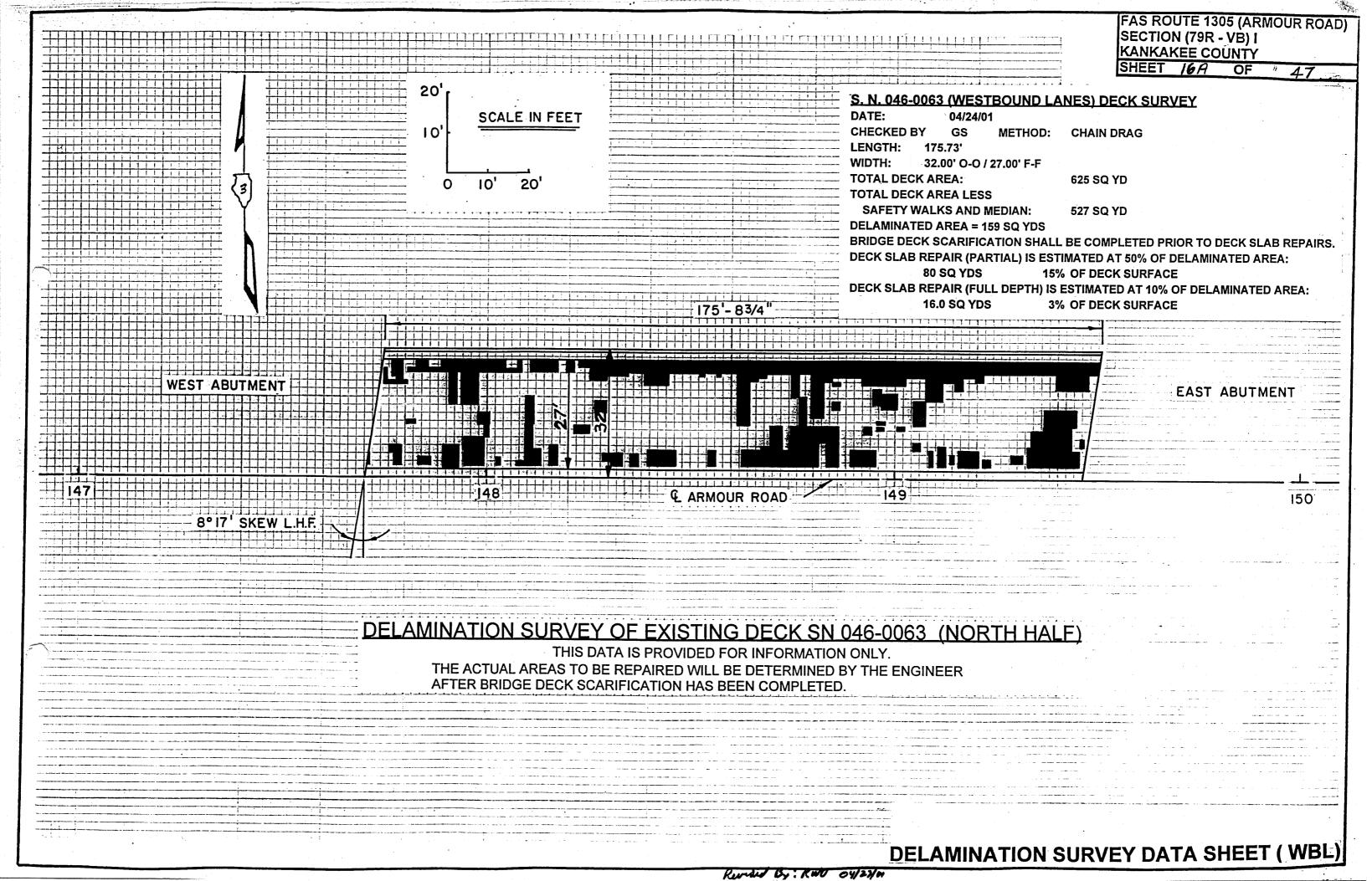
	FAS ROUTE 1305 (ARMOUR ROAD)
	ISECTION (79R - VR) I
· · · · · · · · · · · · · · · · · · ·	KANKAKEE COUNTY
	SHEET ISA OF 47
046-0063 (EASTBOUND LA	NES) DECK SURVEY
04/24/01	
KED BY GS METHOD: TH: 175.73'	CHAIN DRAG
l: 32.00' O-O / 27.00' F-F	
DECK AREA:	625 SQ YD
DECK AREA LESS	
ETY WALKS AND MEDIAN:	527 SQ YD
INATED AREA = 299 SQ YDS	
E DECK SCARIFICATION SHALL	BE COMPLETED PRIOR TO DECK SLAB REPAIRS.
	MATED AT 50% OF DELAMINATED AREA:
	OF DECK SURFACE ESTIMATED AT 10% OF DELAMINATED AREA:
	OF DECK SURFACE
	OF DECK SURFACE
	150
	EAST ABUTMENT
<u>63 (SOUTH HALF)</u>	
IGINEER	
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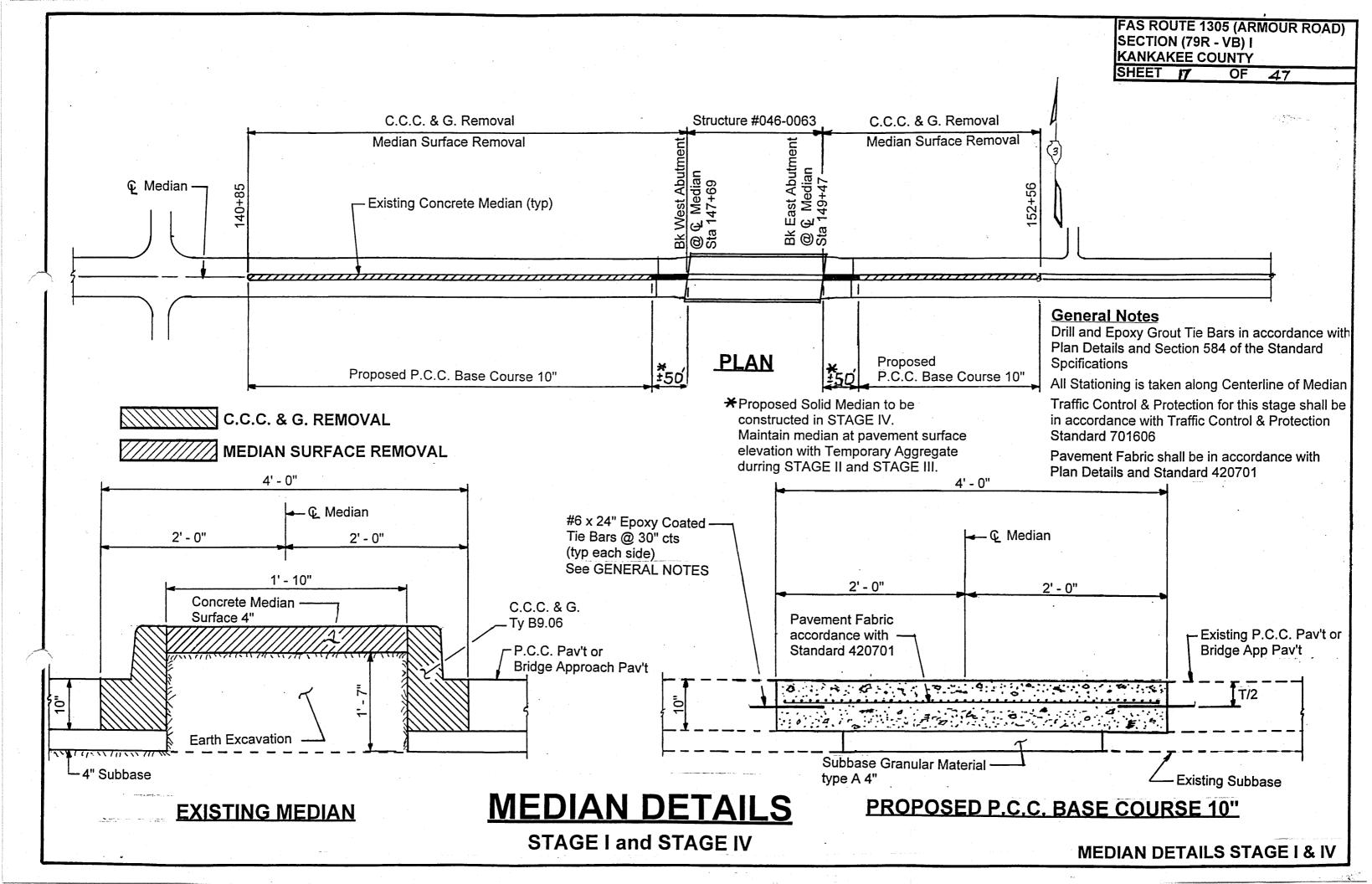


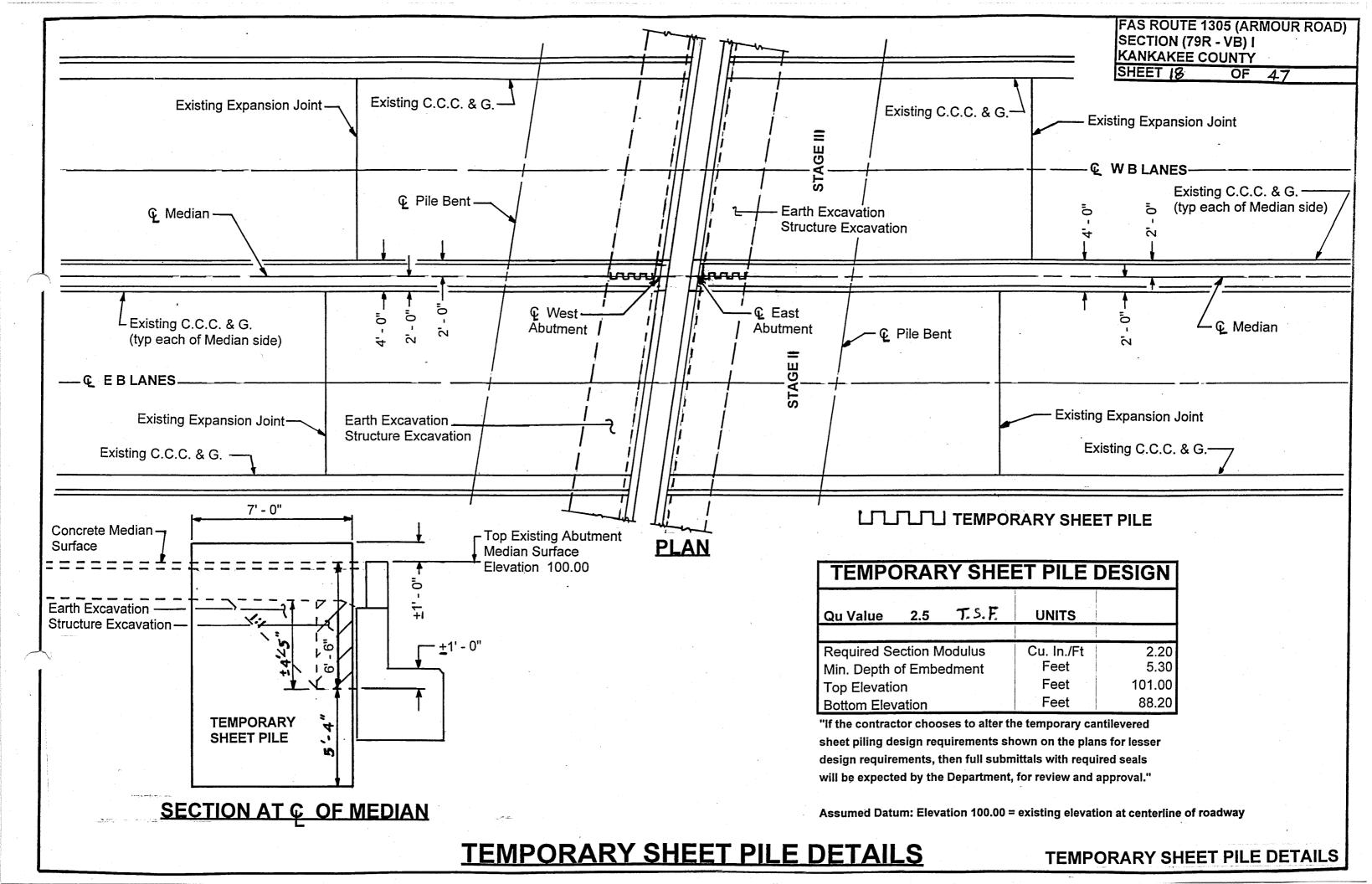
FAS ROUTE 1305 (ARMOUR ROAD) SECTION (79R - VB) I KANKAKEE COUNTY SHEET /6 OF OF 47 EAST ABUTMENT

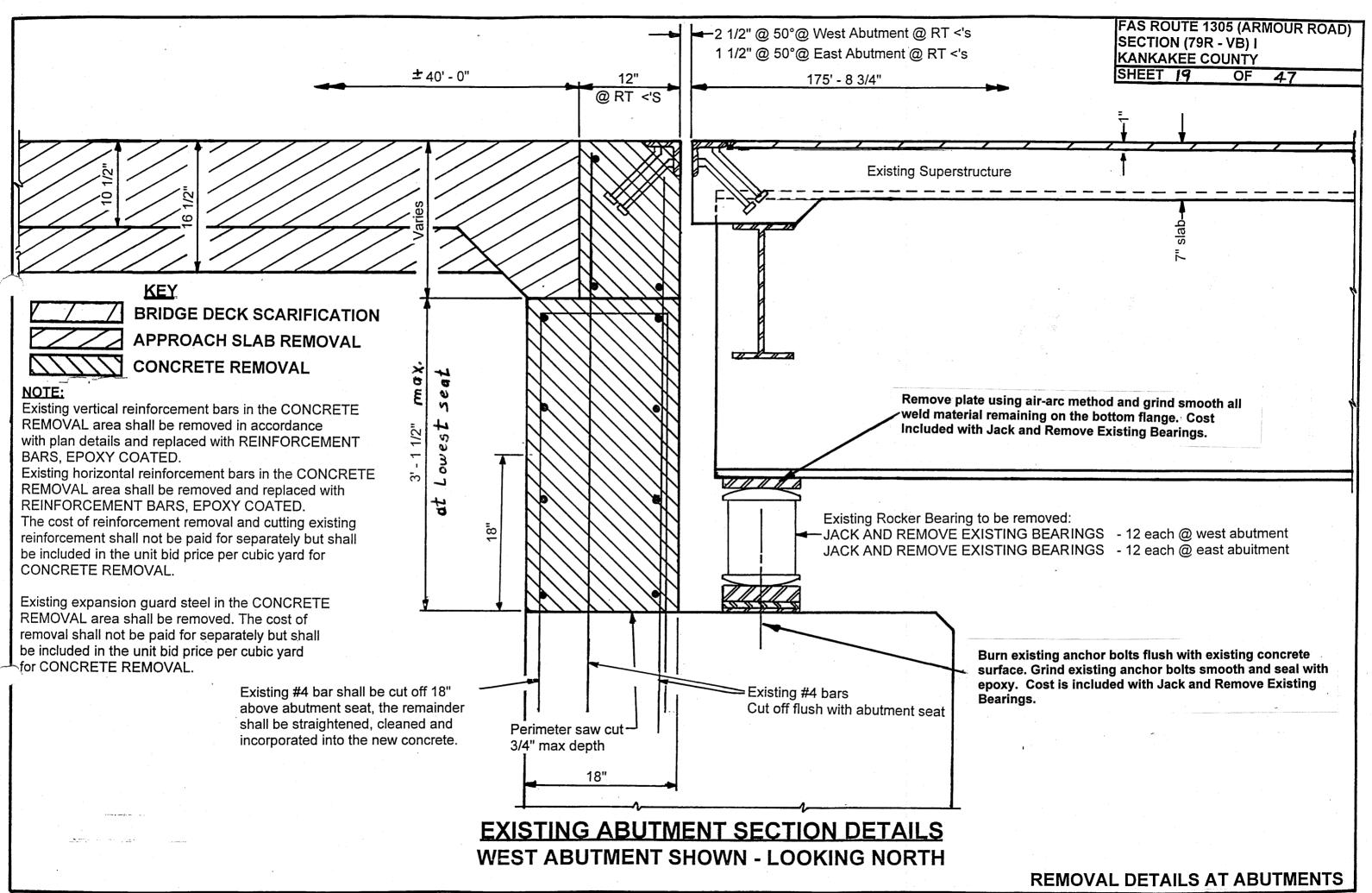
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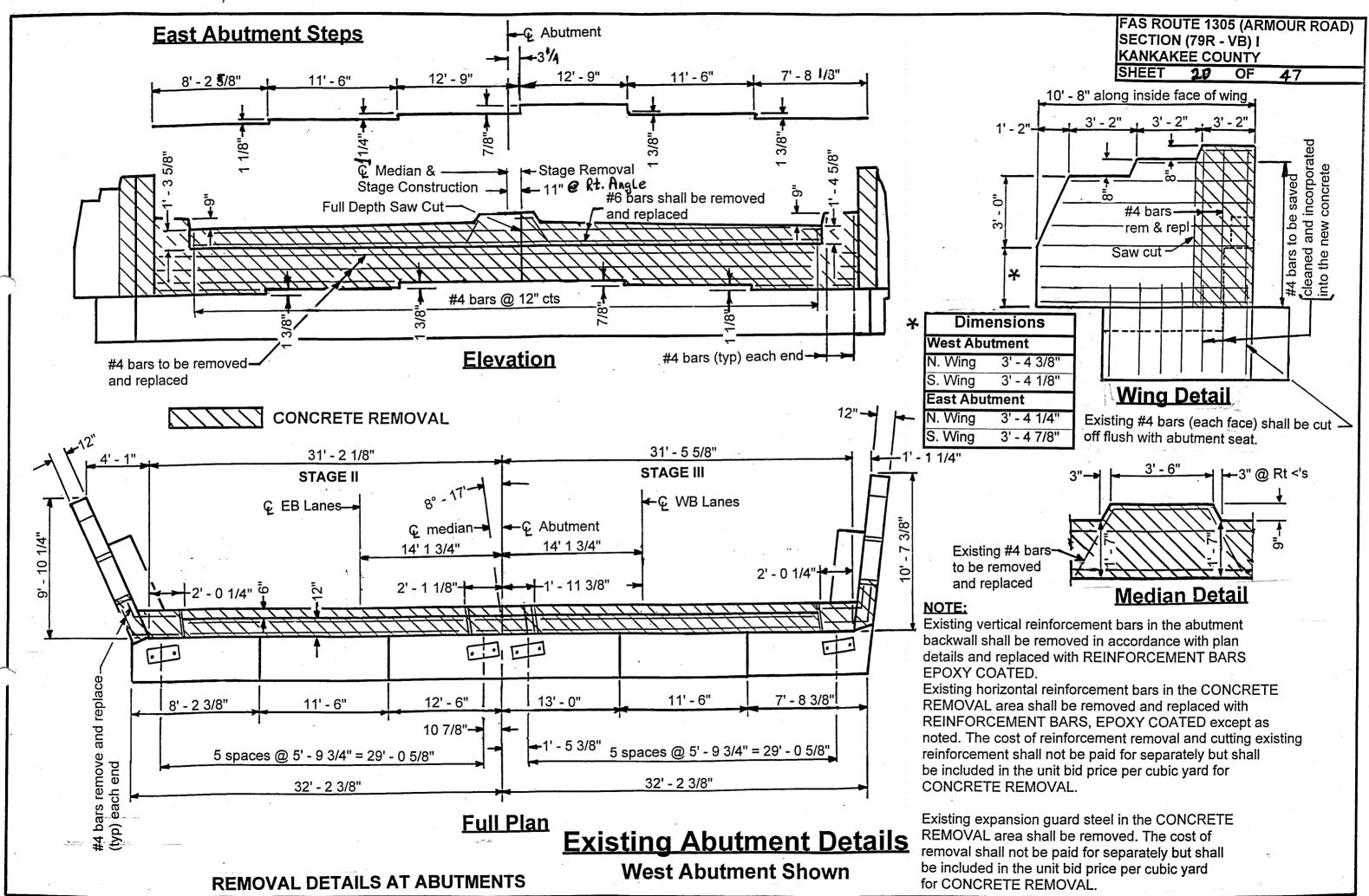
STAGE III FULL AND PART DEPTH DECK REPAIRS

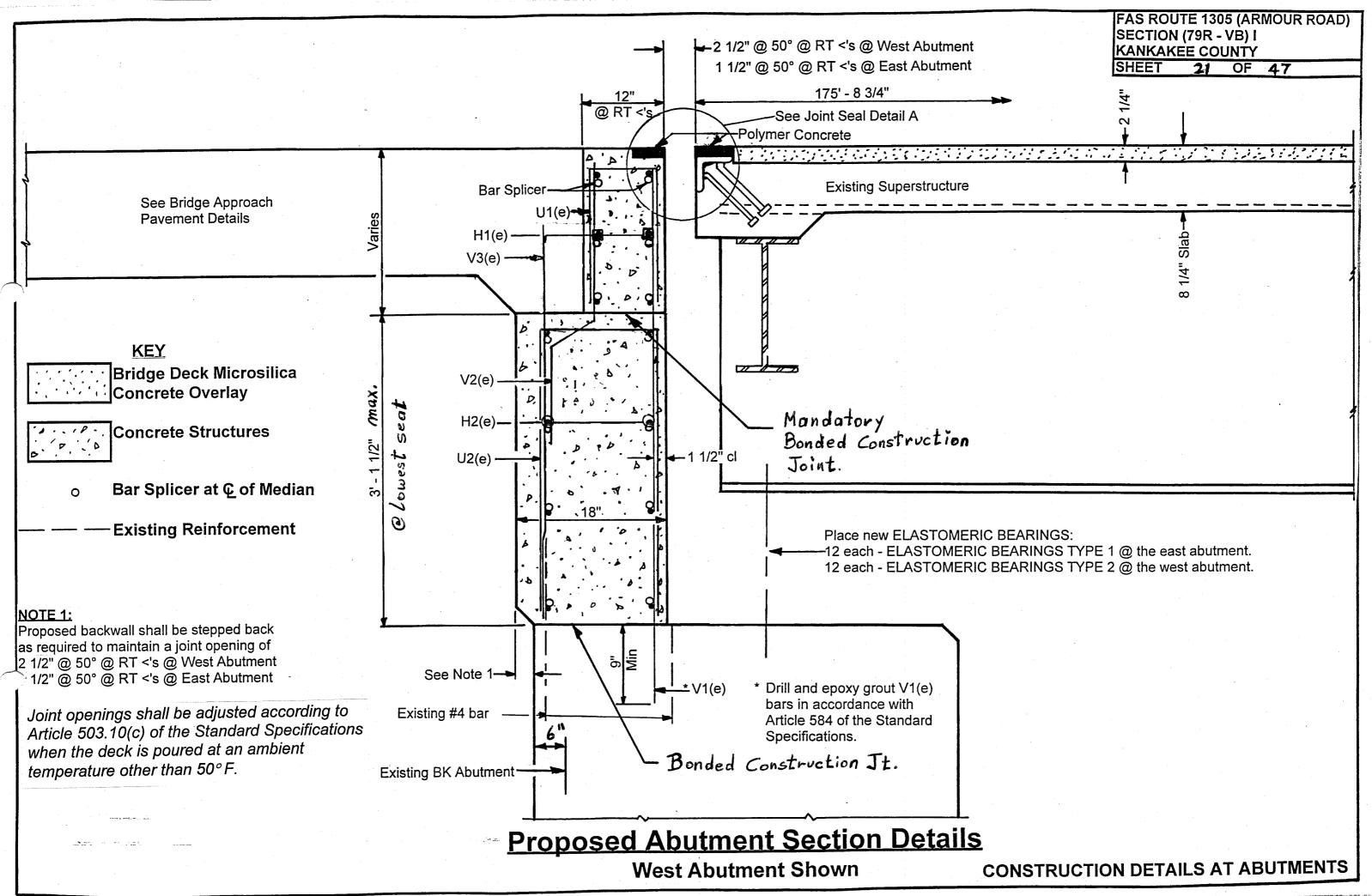


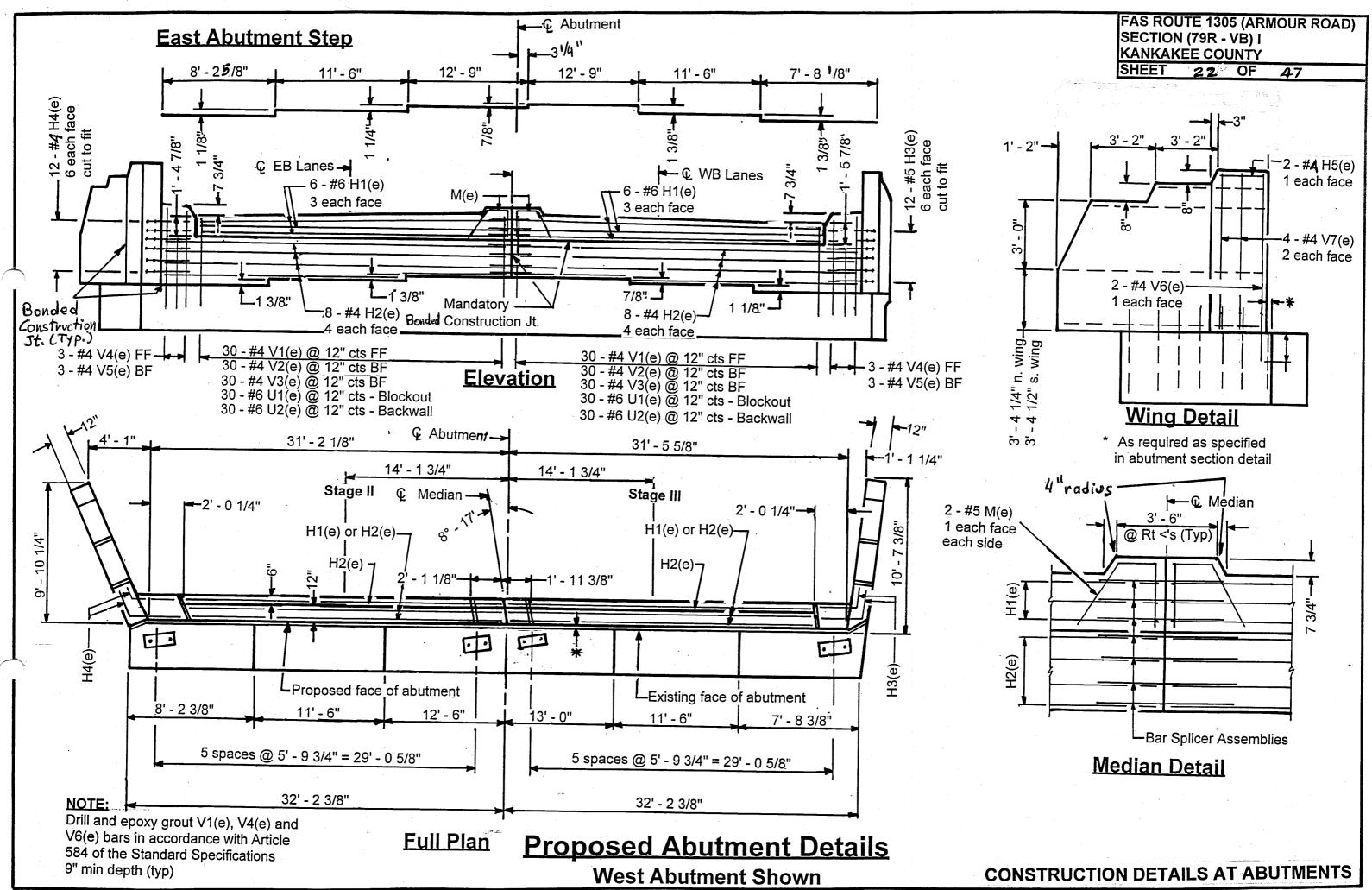








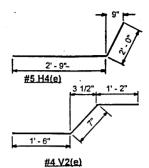


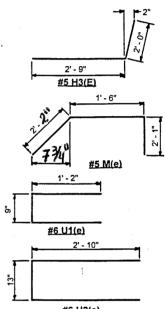


	ABUTMENTS								A	BUTI	MENTS		
				GE II			STAGE III						
LOCATION	BAR	SIZE	NO.	LENGTH	WEIGHT	SHAPE	LOCATION	BAR	SIZE	NO.	LENGTH	WEIGHT	SH
				FOOT	POUND						FOOT	POUND	
VEST	H1(e)	#6	6	29' - 0"	261		WEST	H1(e)	#6	6	29' - 0"	261	
BUTMENT	H2(e)	#4	8	31' - 1"	166		ABUTMENT	H2(e)	#4	8	31' - 1"	166	
	H4(e)	#A	12	4' - 9"	38			H3(e)	# <b>'</b>	12	4' - 9"	36	
	H5(e)	#4	2	2' - 11"	A			H5(e)	#4	2	2' - 11"	4	
	M(e)	#5	2	5' - 9"	12			M(e)	#5	2	5'-9"	12	/
				· · · · · · · · · · · · · · · · · · ·					#4	30	5' - 0"	100	
	V1(e)	#4	. 30	5' - 0"	100			V1(e) V2(e)	#4	30		100	
	V2(e)	#4	30		65			V2(e) V3(e)	#4	30		65 80	
	V3(e)	#4	30		80	·		V3(e) V4(e)	#4	- 3		12	
	V4(e)	#4	3	5' - 9"	12			V4(e) V5(e)	#4	3		12	
	V5(e)	#4	3		10			V6(e)	#4	2		10	
	V6(e)	#4	2		11		с.	V7(e)	#4	4	7'-6"	20	
	V7(e)	#4	4	7'-6"	20			v /(c)	77		10	20	
	U1(e)	#6	30	3' - 1"	139			U1(e)	#6	30	3' - 1"	139	
	U2(e)	#6	30		304			U2(e)	#6	30	6' - 9"	304	
EAST	H1(e)	#6	6	29' - 0"	261		EAST	H1(e)	#6	6	29' - 0"	261	
ABUTMENT	H2(e)	#4	8	31' - 1"	166		ABUTMENT	H2(e)	#4	8	31' - 1"	166	
ADUTWILIUT	H3(e)	#4	12	4' - 9"	38			H4(e)	#4	12	4' - 9"	38	$\searrow$
	H5(e)	#4	2	2' - 11"	4			H5(e)	#4	2	2' - 11"	4	
	M(e)	#5	2	5'-9"	12			M(e)	#5	2	5'-9"	12	2
	V1(e)	#4	30	5' - 0"	100			V1(e)	#4	30	5' - 0"	100	
,	V1(e) V2(e)	#4	30		65			V2(e)	#4	30	3' - 3"	65	
	V2(e) V3(e)	#4	30		80			V3(e)	#4	30	4' - 0"	80	—
	V4(e)	_	3		12			V4(e)	#4	3	5' - 9"	12	
	V4(e) V5(e)	#4	3		12			V5(e)	#4	3	5' - 0"	10	-
	V6(e)		2		11			V6(e)	#4	2	8' -3"	11	
	V7(e)	#4	4		20	1		V7(e)	#4	4		20	
	U1(e)	#6	30	) 3' - 1"	139	)		U1(e)	#6	30	) 3' - 1"	139	
	U2(e)		30		304			U2(e)	#6	- 30	) 6' - 9"	-304	

(e) DENOTES EPOXY COATED

# FAS ROUTE 1305 (ARMOUR ROAD) SECTION (79R - VB) I KANKAKEE COUNTY 23 OF 47 SHEET

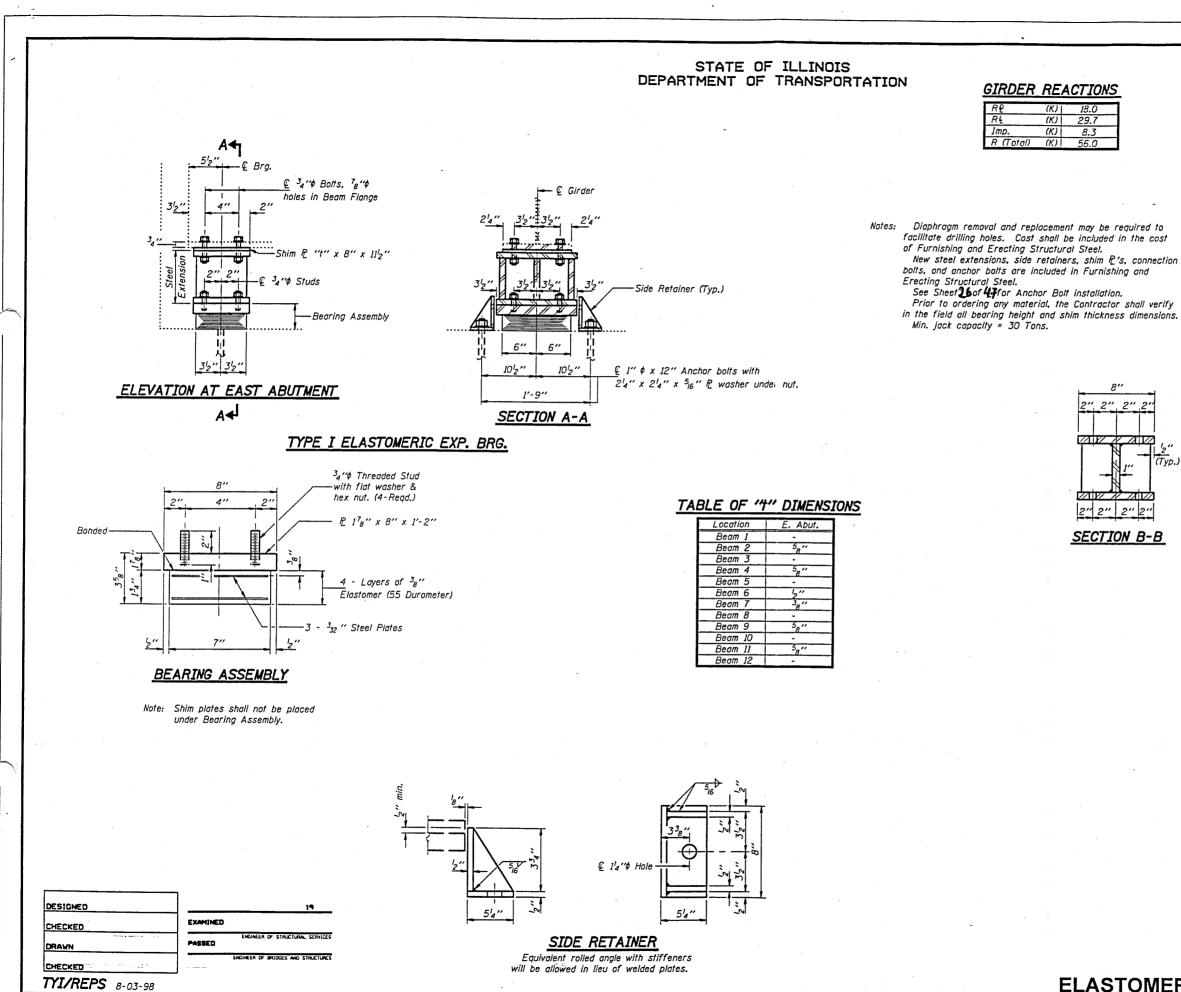




#6 U2(e)

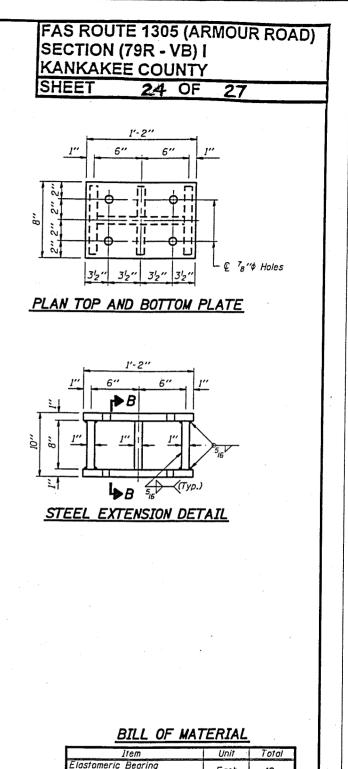
SCHEDULE OF BAR SPLICERS					
LOCATION BAR					
	SPLICERS				
	EACH				
STAG	E II				
WEST ABUTMENT	14				
EAST ABUTMENT	14				
TOTAL	28				

BILL OF REINFORCEMENT FOR ABUTMENTS

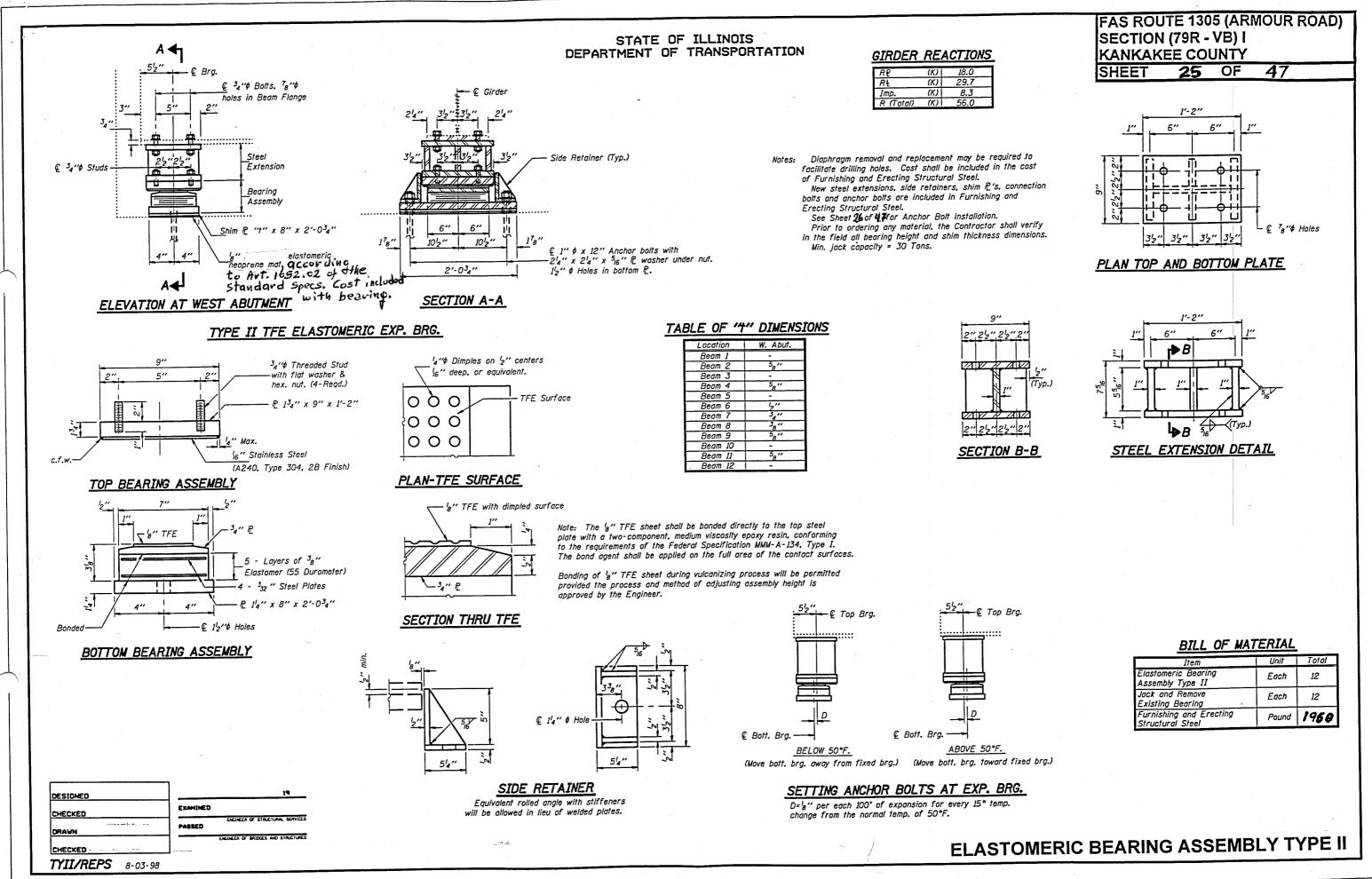


ELASTOMERIC BEARING ASSEMBLY TYPE I

.



Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	12
Jack and Remove Existing Bearing	Each	12
Furnishing and Erecting Structural Steel	Pound	2040

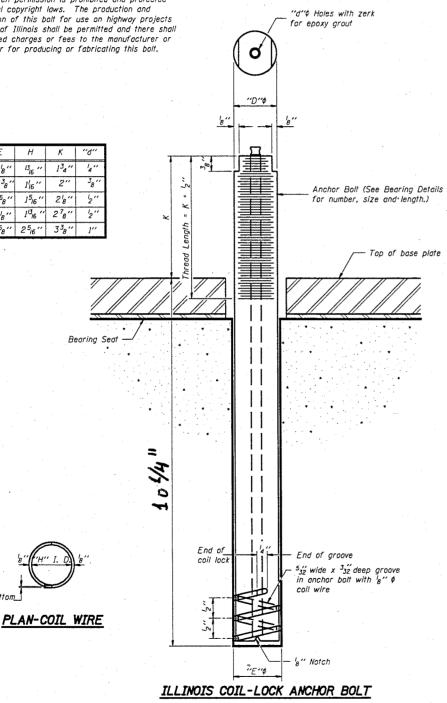


Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearing	Each	12
Furnishing and Erecting Structural Steel	Pound	1950

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

D	E	H	ĸ	"d"
1''	1′8″	13,6 "	134"	4"
1'4''	138''	1'16 ''	2"	38''
1'2''	1 <sup>5</sup> 8″	1 <sup>5</sup> /6 ''	2'8''	'2″
2"	2'8''	113,6 "	278"	2"
2'2"	2 <sup>5</sup> 8″	25/6"	3 <sup>3</sup> 8"	1''

le" at Bottom\_ of coil



## MATERIALS FOR ILLINOIS COIL-LOCK

### ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.

The coil wire shall be made of any suitable soft steel wire. The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed. The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade I and of a Class suitable for the temperature at installation.

#### INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.

2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

#### ALTERNATE ANCHOR BOLTS

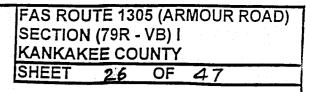
The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified. 2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

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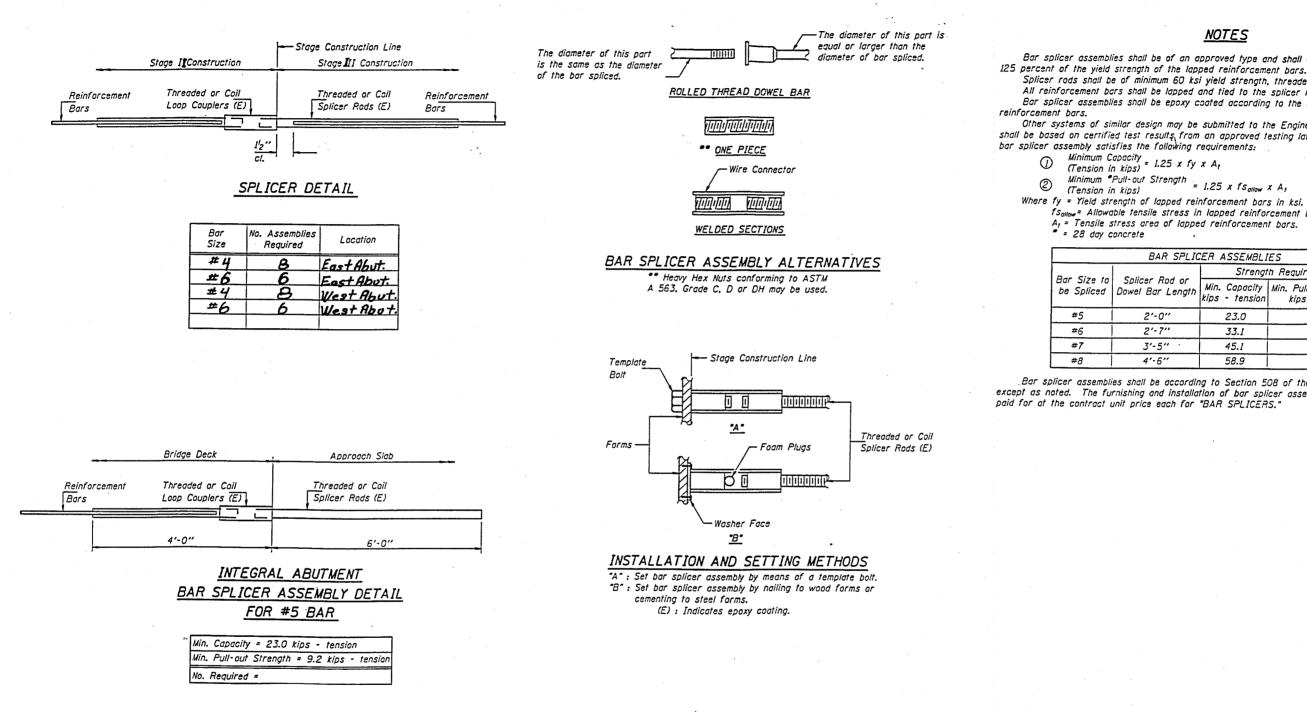
ASTM F 1554 Grade 105. ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.



#### GENERAL NOTES

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

# ANCHOR BOLT DETAILS.



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# **Bar Splicer Assembly Details**

#### FAS ROUTE 1305 (ARMOUR ROAD) SECTION (79R - VB) | KANKAKEE COUNTY SHEET 27 OF 47

#### 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

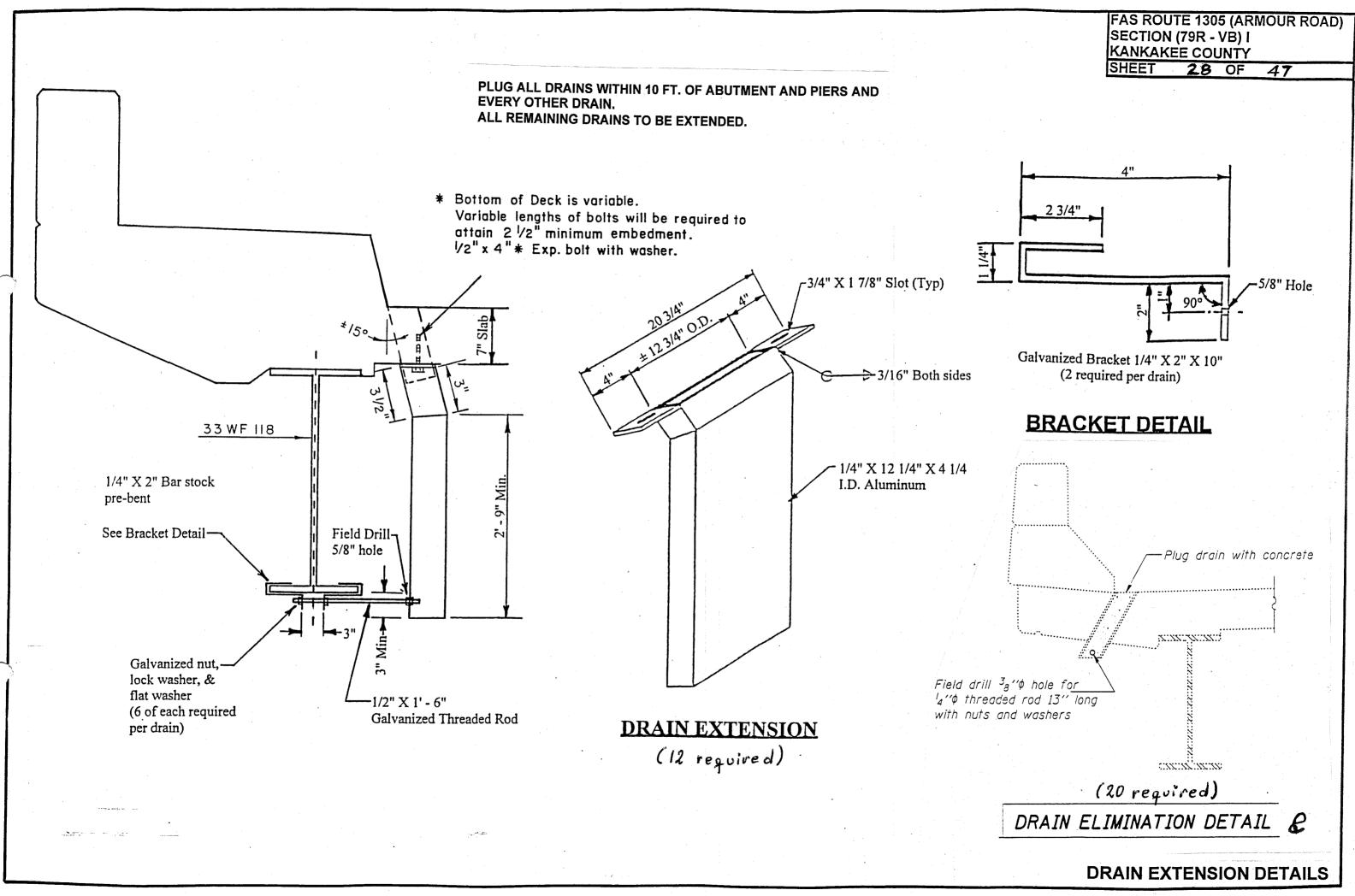
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results, from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

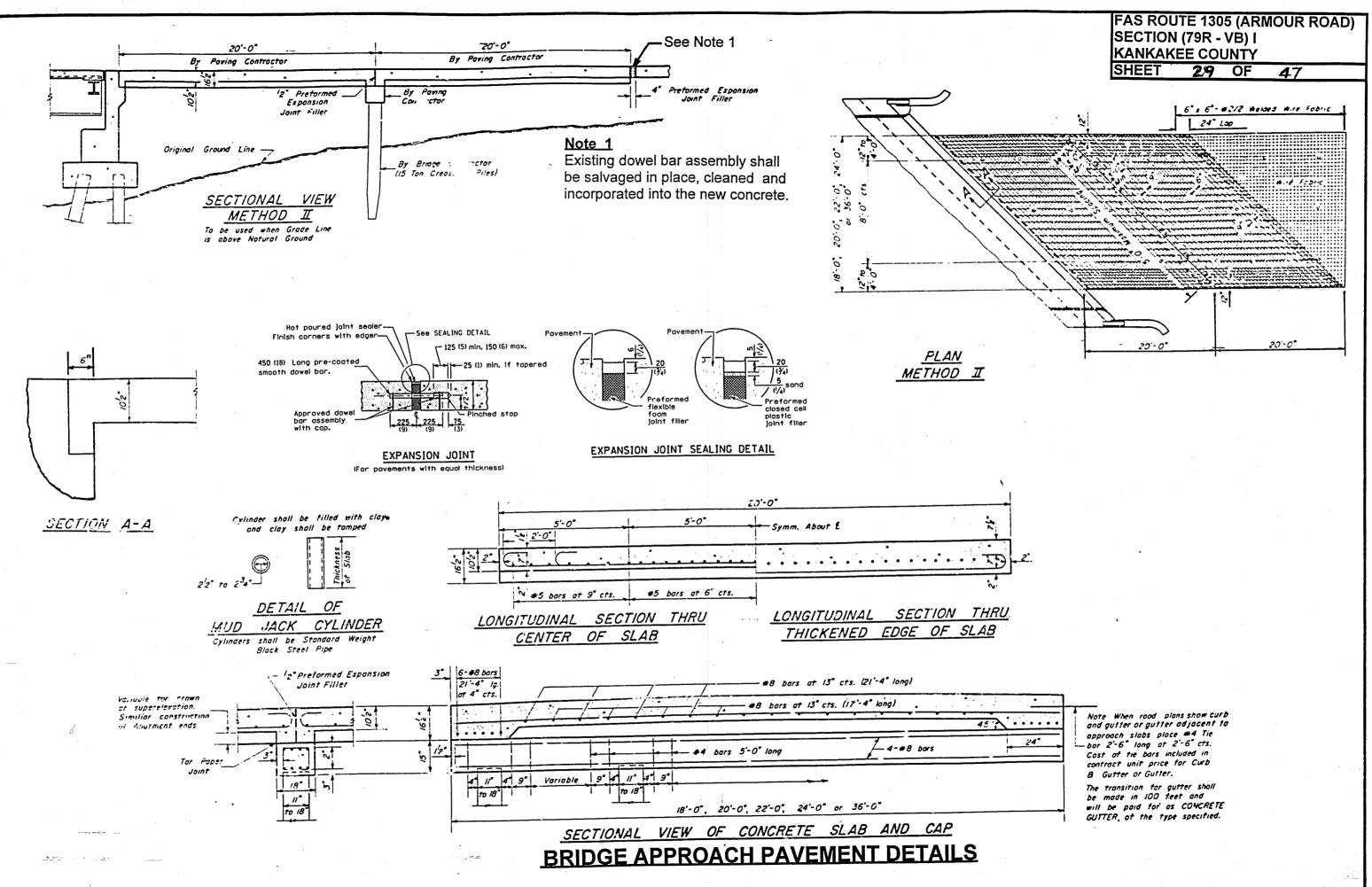
fs<sub>allow</sub> = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load) A<sub>1</sub> = Tensile stress area of lapped reinforcement bars. \* = 28 day concrete

> BAR SPLICER ASSEMBLIES Strength Requirements Splicer Rod or Min. Capacity Min. Pull-Out Strenath Dowel Bar Length kips - tension kips - tension 2'-0" 23.0 9.2 2'-7" 33.1 13.3 3'-5" 45.1 18.0 4'-6" 58.9 23.6

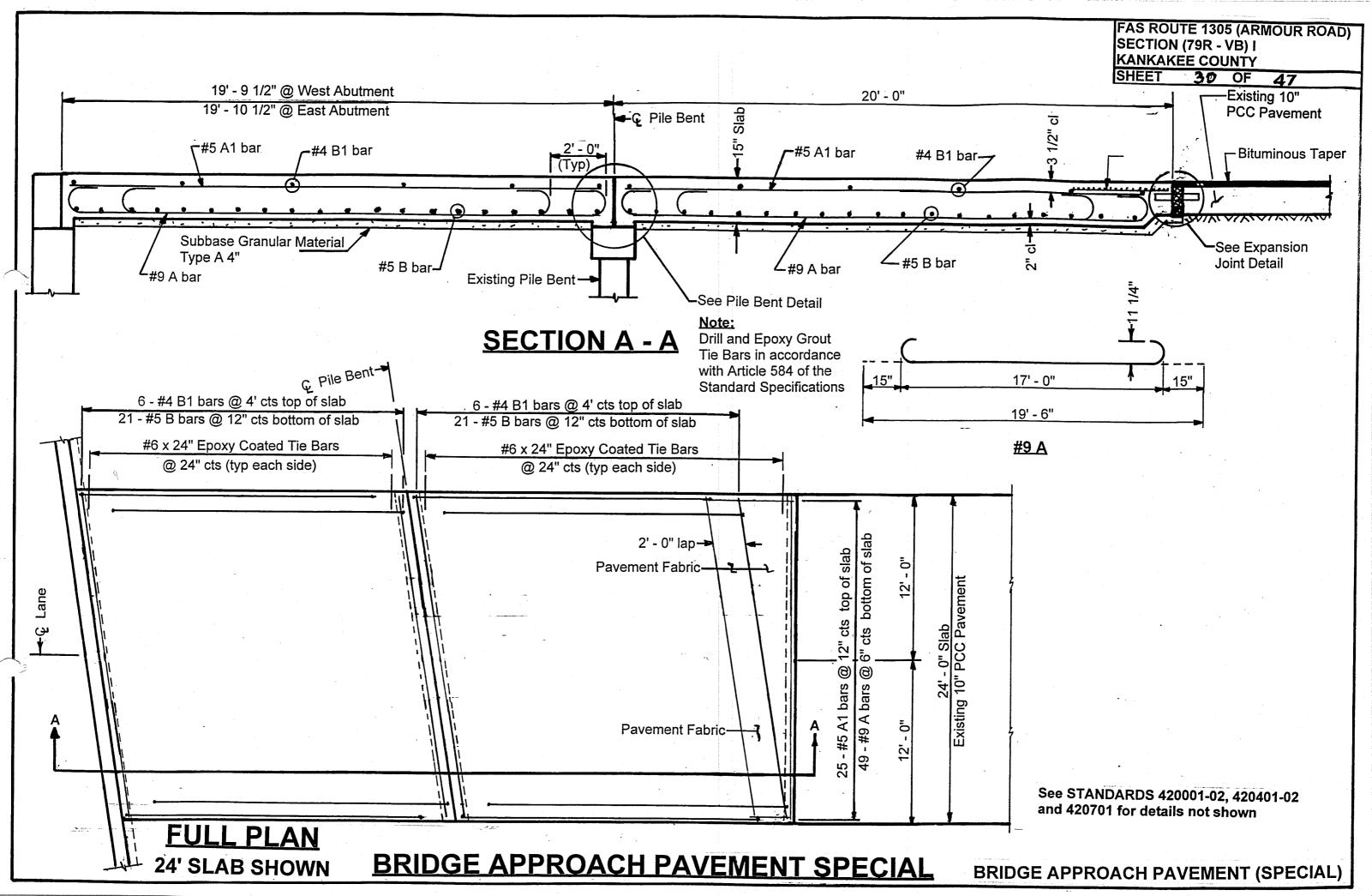
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

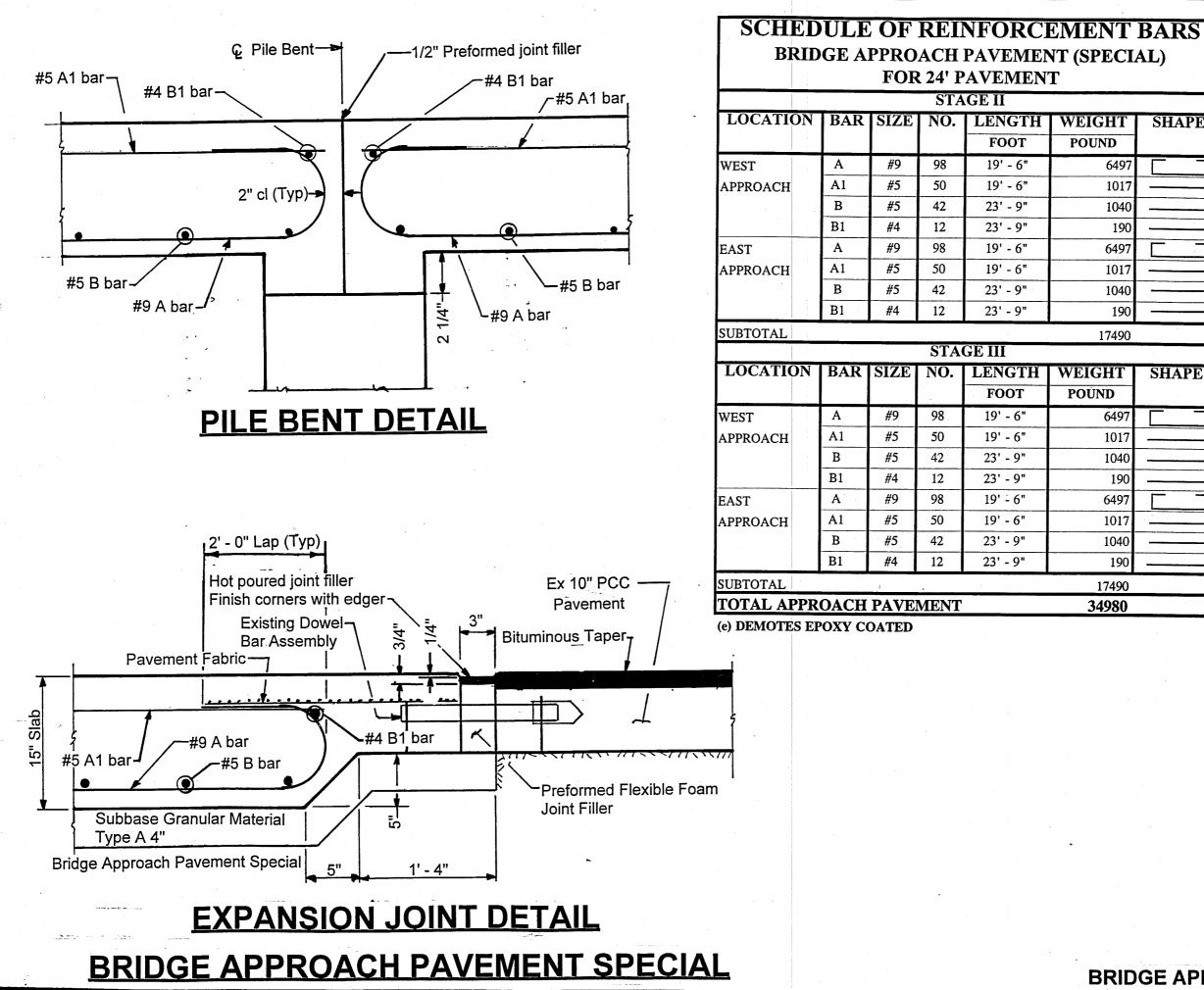
# **BAR SPLICER ASSEMBLY DETAILS**





# BRIDGE APPROACH PAVEMENT REMOVAL DETAILS





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RID	GE	APF	RO	ACH	PA	VEMI	ENT	(SPECIAL)
				A REAL PROPERTY.		1	and the second second	and many many data and a state of the state of the state

SCHEDU	JLE OF
PAVEMEN	Γ FABRIC
LOCATION	PAVEMENT
	FABRIC
	SQ YD
STAG	EII
WEST APPROACH	10
EAST APPROACH	10
SUBTOTAL	20
STAG	EIII
WEST APPROACH	10
EAST APPROACH	10
SUBTOTAL	20
TOTAL	40

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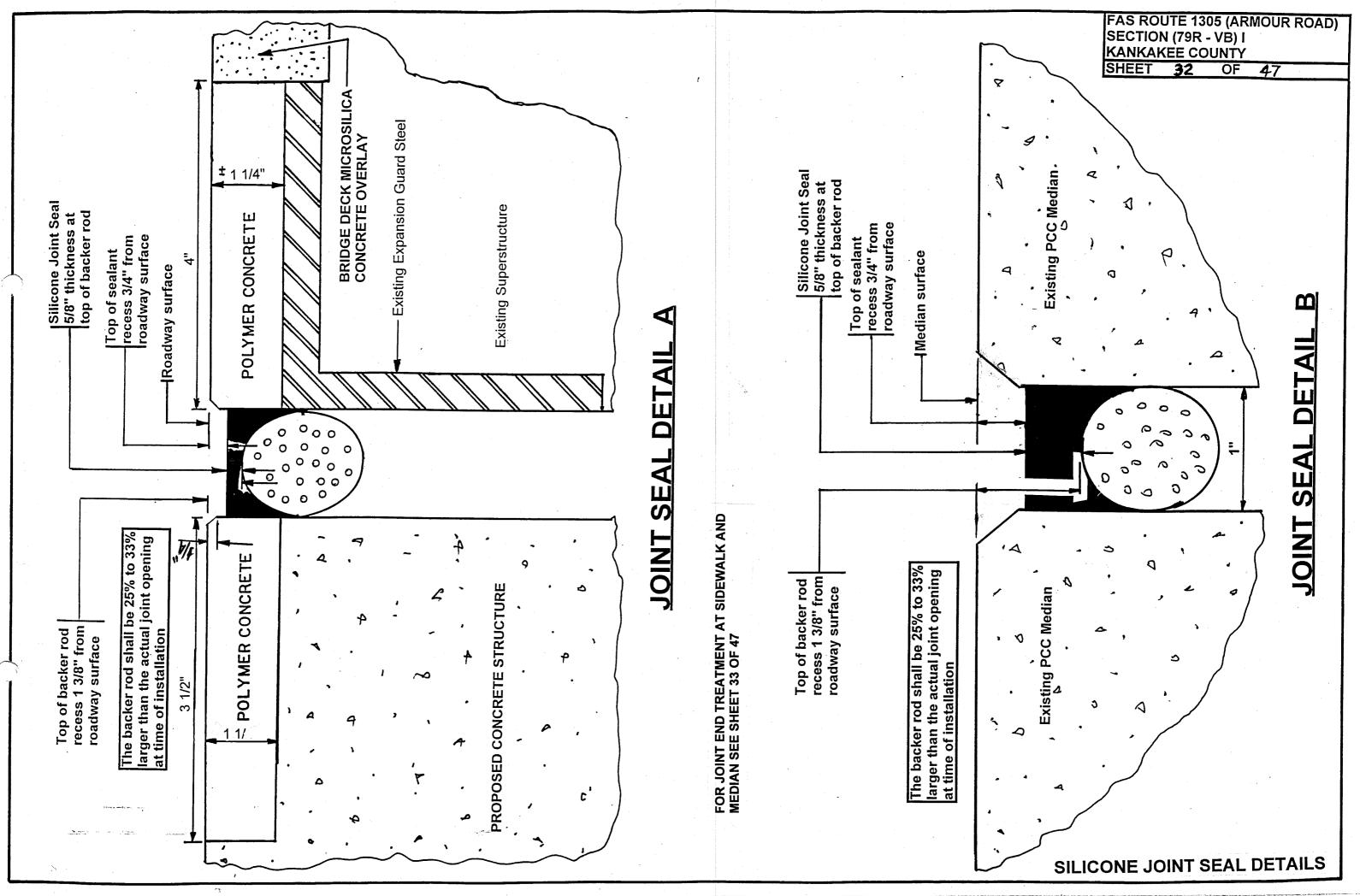
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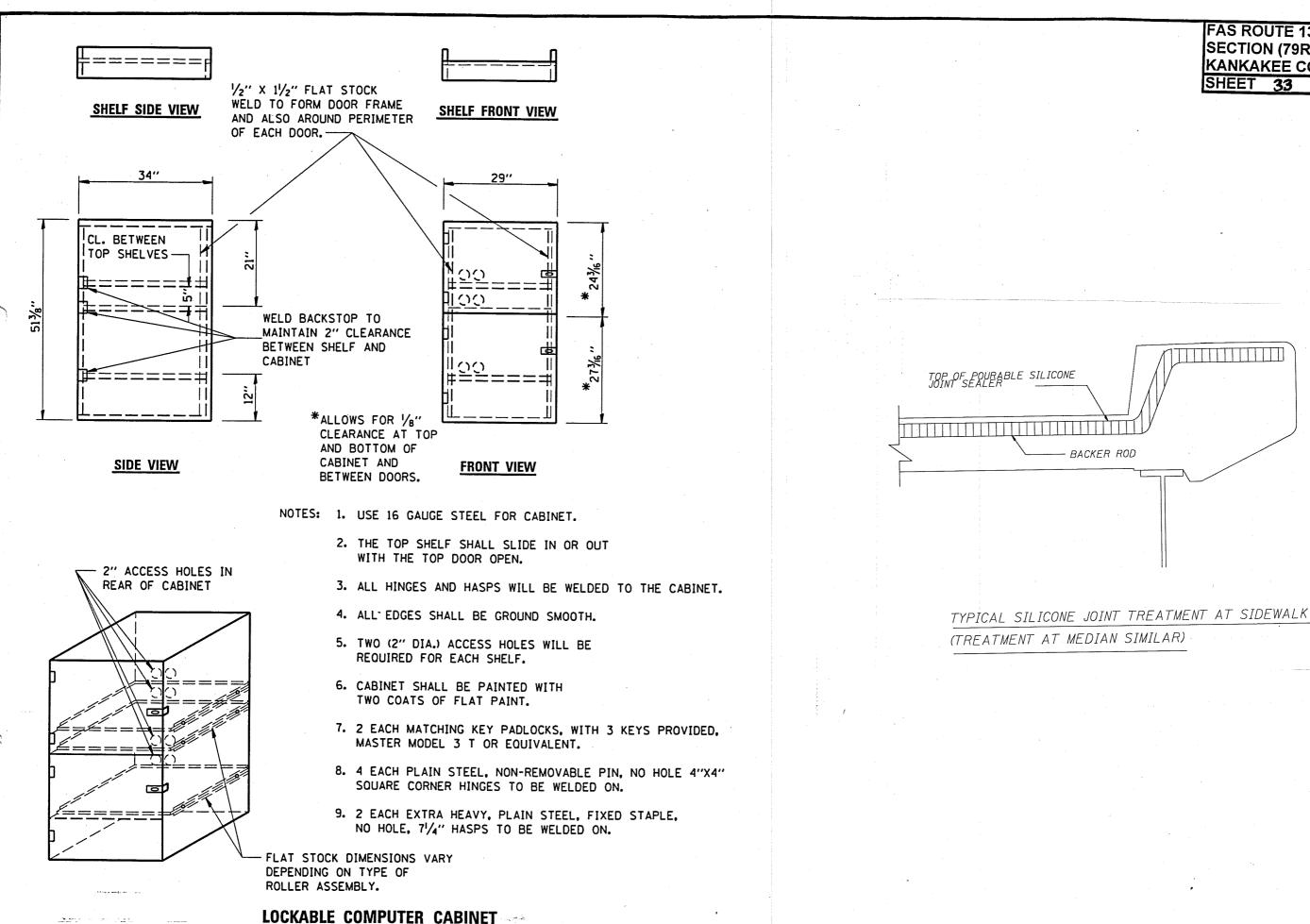
FAS ROUTE 1305 (ARMOUR ROAD)
SECTION (79R - VB) I
KANKAKEE COUNTY

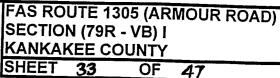
OF 47

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SHEET







LOCKABLE COMPUTER CABINET