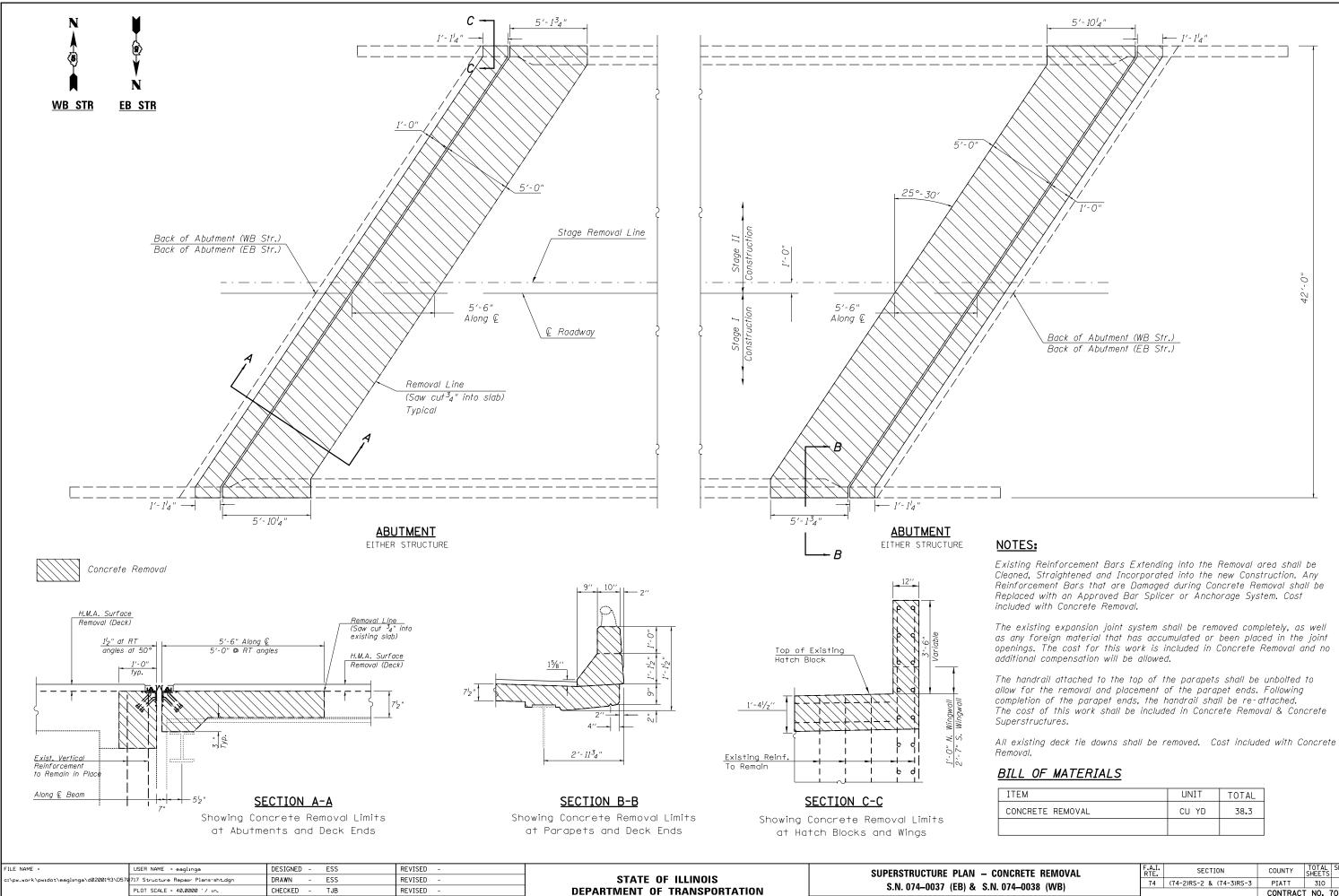


ITEM	UNIT	TOTAL
H.M.A. SURFACE REMOVAL (DECK)	SQ YD	730.0
H.M.A. SURFACE REMOVAL (ASBESTOS) *	SQ YD	730.0
BRIDGE DECK GROOVING	SQ YD	1414.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 21/2"	SQ YD	1362.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1365.0
POLYMER CONCRETE	SQ FT	32.0

CE DETAILS	AL SHEET TS NO.				
S.N. 074–0038 (WB) 74 (74-2)RS-2 & (74-3)RS-3 PIATT 3	0 104				
CONTRACT N	70717				
TS STA. TO STA. ILLINOIS FED. AID PROJECT	ILLINOIS FED. AID PROJECT				



REVISED

PLOT DATE = 10/16/2014

DATE

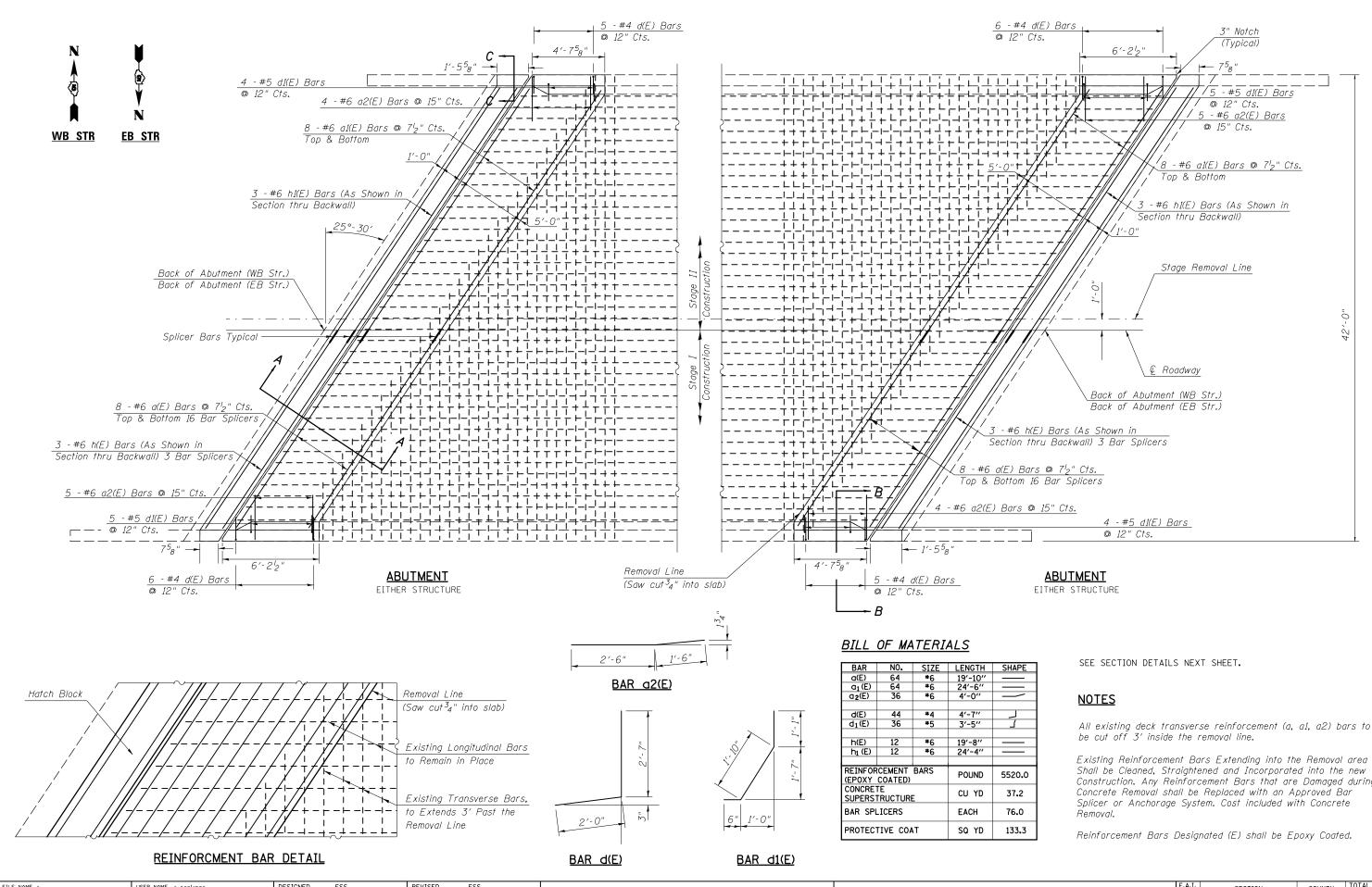
-

1-28-2013

SCALE: SHEET 7 OF 23 SHEETS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	38.3

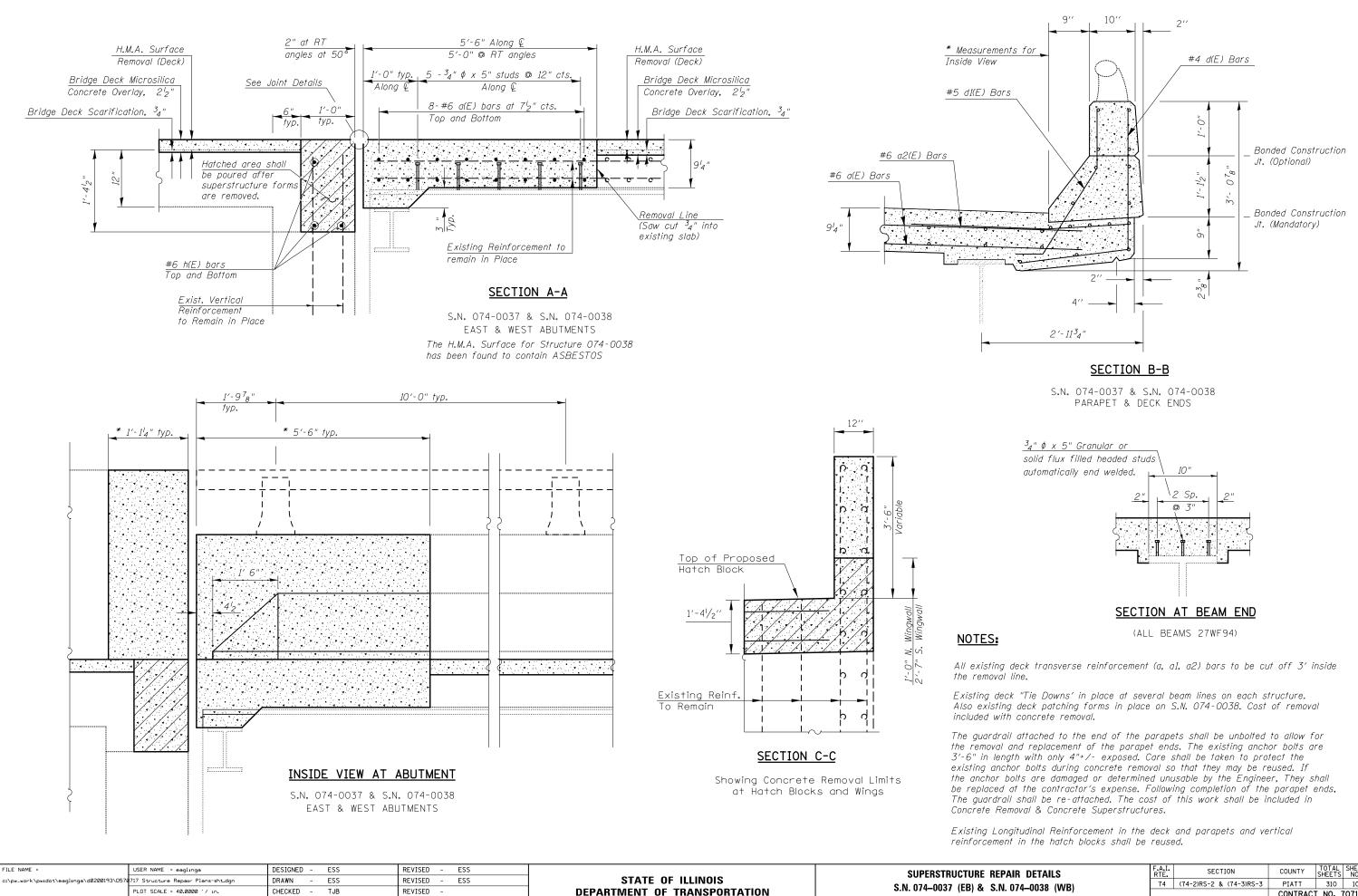
CONCRETE REMOVAL .N. 074-0038 (WB)		F.A.I. RTE.			TOTAL SHEETS	SHEET NO.	
		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	105	
				CONTRAC	T NO. 1	70717	
IS STA.	TO STA.	ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED - ESS			SUPERSTRUCTURE REPAIR PLAN	F.A.I. RTE. SECTION	COUNTY TOTAL SHEET SHEETS NO.
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED - ESS	STATE OF ILLINOIS		S.N. 074–0037 (EB) & S.N. 074–0038 (WB)	74 (74-2)RS-2 & (74-3)RS-3	PIATT 310 106
	PLOT SCALE = 40.0000 '/ in.	CHECKED – TJB	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 70717
	PLOT DATE = 10/16/2014	DATE - 1-30-2013	REVISED - 6-6-2013		SCALE:	SHEET 8 OF 23 SHEETS STA. TO STA.	ILLINOIS FED.	AID PROJECT

All existing deck transverse reinforcement (a, a1, a2) bars to

Construction. Any Reinforcement Bars that are Damaged during



SCALE:

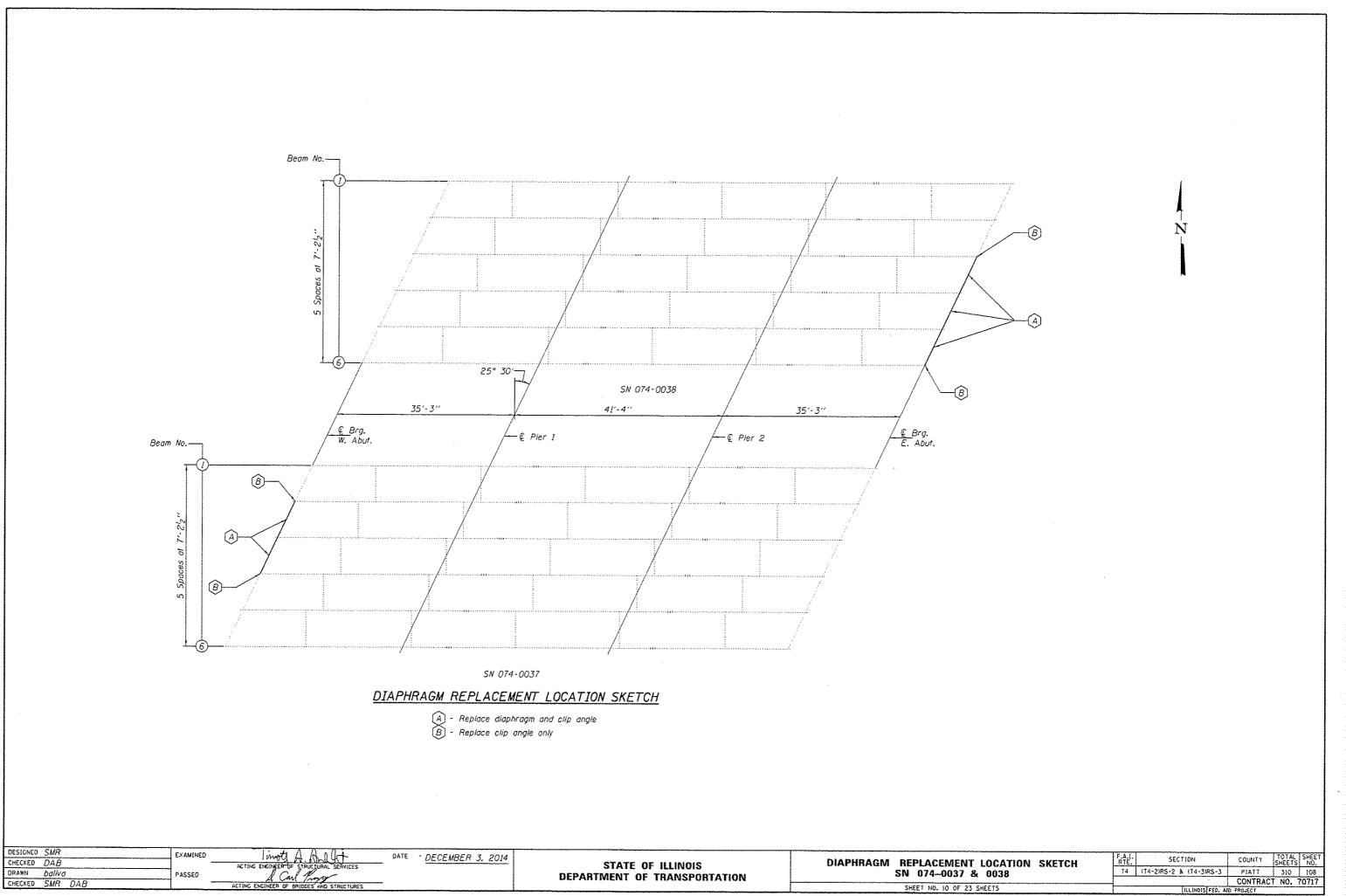
SHEET 9 OF 23 SHEET

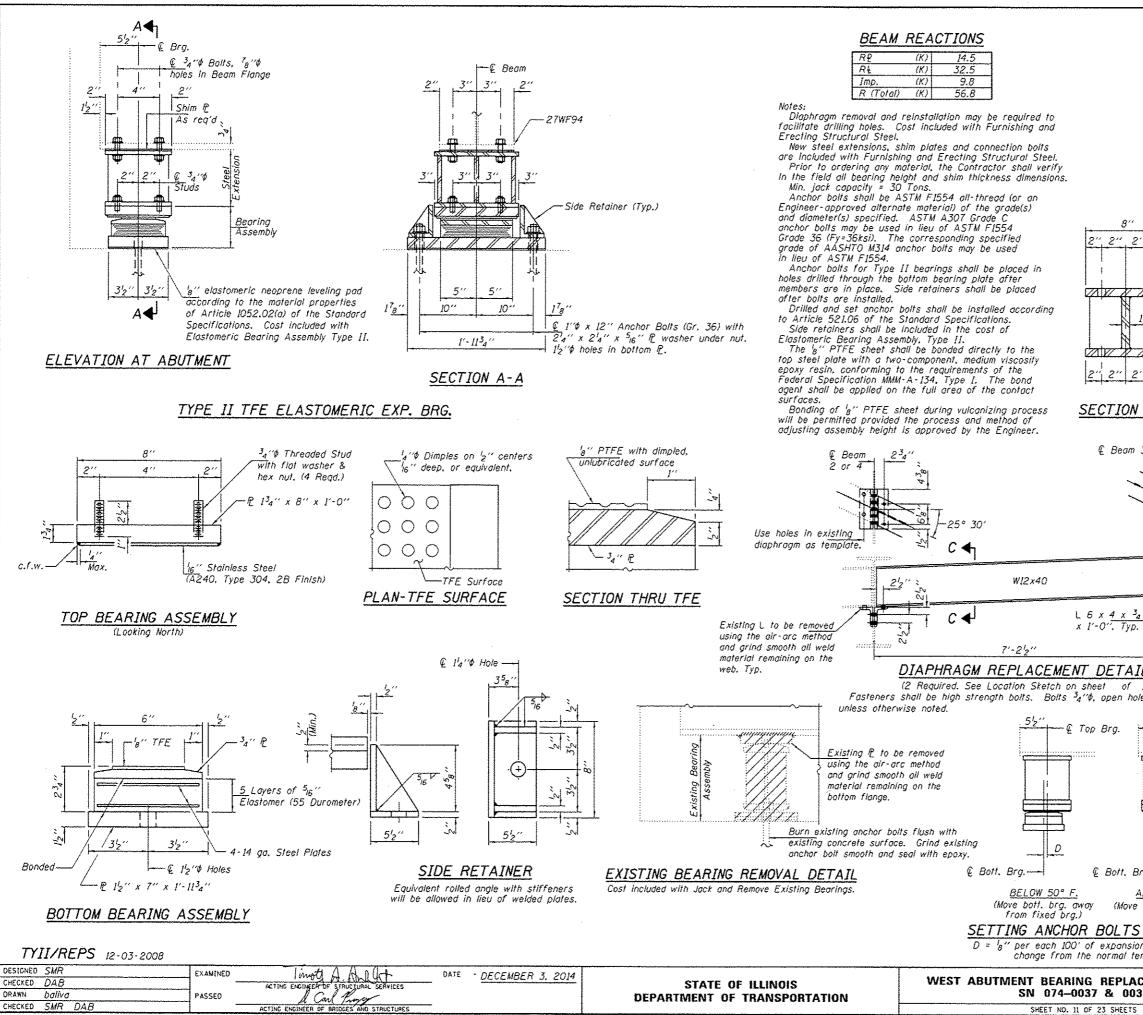
PLOT DATE = 10/16/2014

DATE - 1-31-2013

REVISED - 6-10-2013

EPAIR DETAILS .N. 074–0038 (WB)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	107		
				CONTRAC	T NO. 7	70717		
٢S	STA.	TO STA.		ILLINOIS FED. AID PROJECT				





ZAR

top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact

Bonding of ${}_{g}^{\prime\prime}$ PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

L 6 x <u>4 x ³a</u> C 📲 x 1'-0". Typ. 7'-2'2"

W12x40

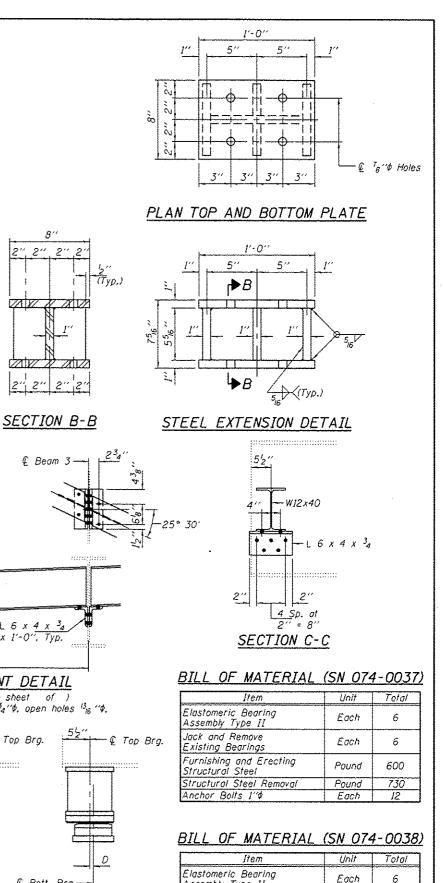
DIAPHRAGM REPLACEMENT DETAIL

Fasteners shall be high strength bolts. Bolts ${}^{3}_{4}$ '', open holes ${}^{13}_{16}$ '', € Top Brg.

D

BELOW 50° F.

(Move bott. brg. away from fixed brg.)



Elastomeric Bearing Assembly Type II € Bott. Brg.-Jack and Remove ABOVE 50° F. xisting Bearings (Move bott. brg. toward Furnishing and Erecting fixed brg.) Structural Steel Anchor Bolts 1"4

SETTING ANCHOR BOLTS AT EXP. BRG. $D = {l_g}^{\prime\prime}$ per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

ENT BEARING REPLACEMENT DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
SN 074-0037 & 0038	74	(T4-2)RS-2 & (T4-3)RS-3	PIATT	310	109
			CONTRAC	T NO. T	0717
SHEET NO. 11 OF 23 SHEETS	[ILLINOIS FED. AL	D PROJECT		

Each

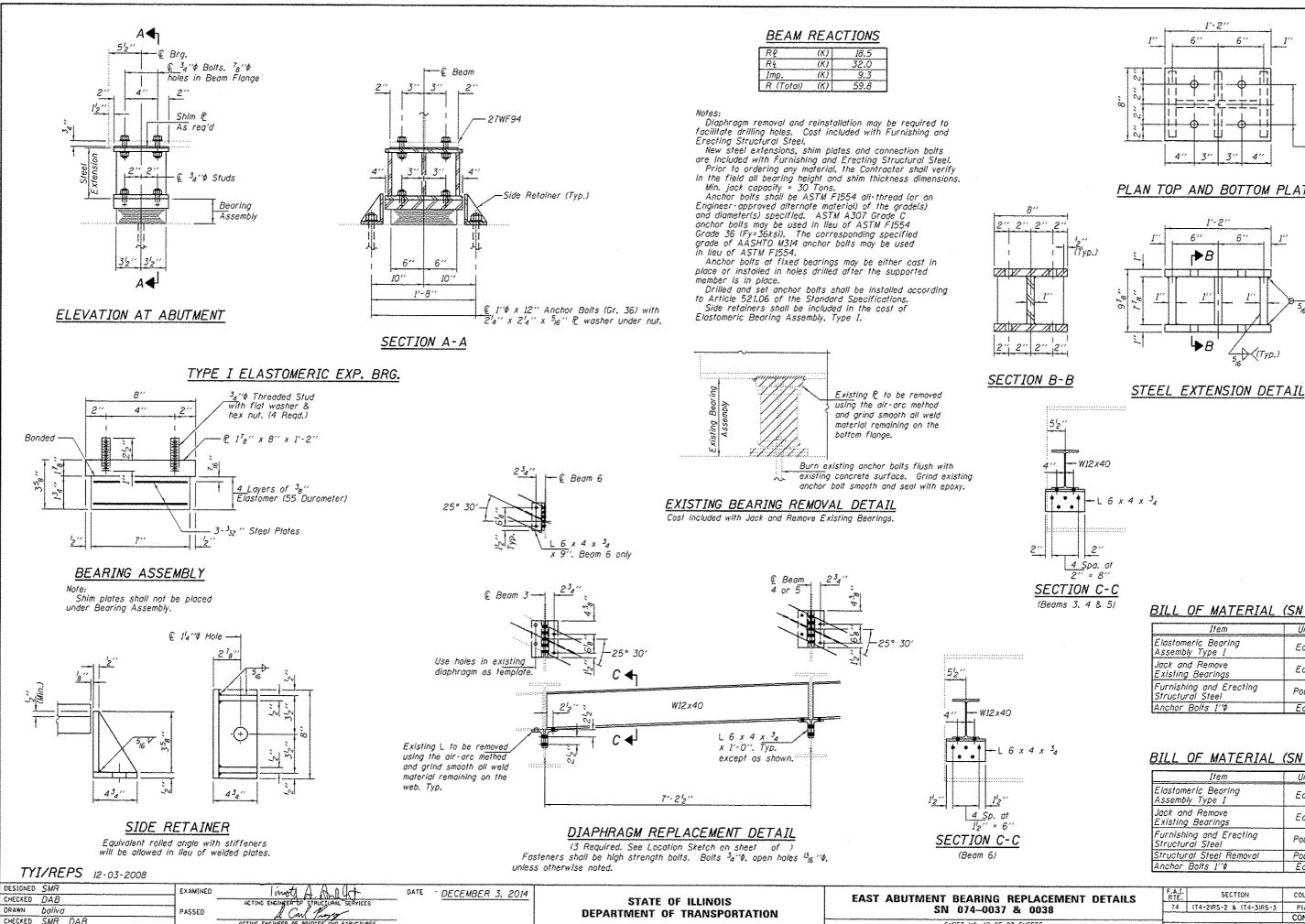
Pound

Each

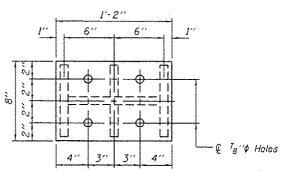
6

1320

12



SHEET NO. 12 OF 23



PLAN TOP AND BOTTOM PLATE

1-21

6''

6′′

₽B

₽₿

BILL OF MATERIAL (SN 074-0037)

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	650
Anchor Bolts 1'4	Each	12

BILL OF MATERIAL (SN 074-0038)

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1700
Structural Steel Removal	Pound	1070
Anchor Bolts 1''¢	Each	12

EPLACEMENT DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
& 0038	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	110
			CONTRAC	T NO. 1	0717
SHEETS		ILLINDIS FED. AL	O PROJECT		

WINGWALL	
DIM. "A"	DIM. "C" OIM. "C" DIM. "E" DIM. "F" DIM. "F"

ISOMETRIC VIEW AT ABUTMENT CORNER

		STRUCTURE	REPAIR OF	CONCRETE,	DEPTH EQUAL	TO OR LES	SS THAN 5"	
STRUCTURE	ABUTMENT	WING	WALL	CORNER		ABUTME	ENT CAP	AREA
SINUCIUNE	CORNER	А	В	С	D	E	F	(SQ FT)
	NW	1.00	2,50	1.00	2.50			5.0
074-0037	SW							
014 0051	NE	1.00	3.00	7.67	3.00			26.0
	SE	1.00	3.50	1.00	3.50			7.0
							TOTAL =	38.0
	NW	1.00	4.00	2.00	4.00			12.0
074-0038	SW	0.00	3.00	1.00	3.00			3.0
014 0050	NE	1.00	3.50	1.00	3.50			7.0
	SE	1.00	3.50	1.00	3.50			7.0
							TOTAL =	29.0
·						GRANE) TOTAL =	67.0

LEGEND	
	Structural Repair of Concrete, Depth Equal to or Less Than 5"

Note: See Special Provision for Structural Repair of Concrete.

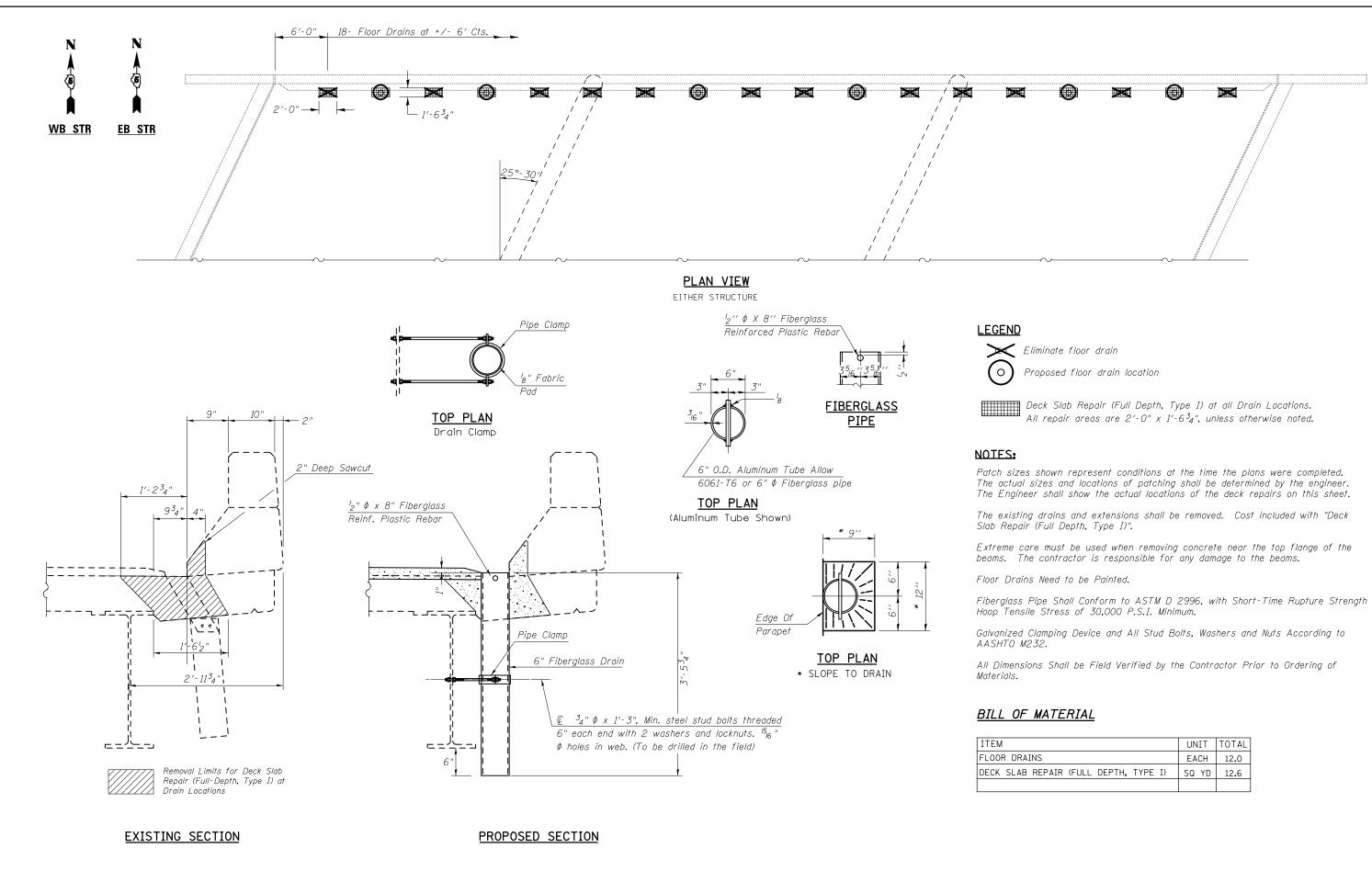
STRUC 074-0 074-0

FILE NAME =		USER NAME = eaglinga	DESIGNED - RTC	REVISED - ESS			SUBSTRUCTURE REPAIR DETAILS	F.A.I. SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\eag	aglınga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - RTC	REVISED -	STATE OF ILLINOIS			74 (74-2)RS-2 & (74-3)RS-3	PIATT 310 111
		PLOT SCALE = 40.0000 '/ in.	CHECKED – TJB	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0037 (EB) & S.N. 074–0038 (WB)		CONTRACT NO. 70717
		PLOT DATE = 10/16/2014	DATE - 3-27-2013	REVISED -		SCALE:	SHEET 13 OF 23 SHEETS STA. TO STA.	ILLINOIS FED. A	ID PROJECT

<u>BILL OF MATERIAL</u>

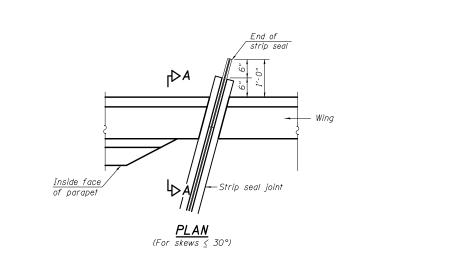
Includes totals from Pier Repair and Substructure Repair Quantities.

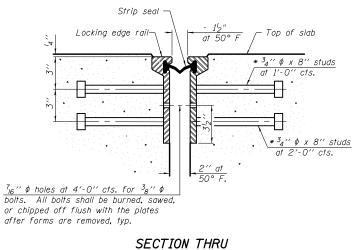
JCTURE	ITEM	UNIT	TOTAL
-0037	STRUCTURE REPAIR OF CONCRETE, DEPTH EQUAL TO OF LESS THAN 5"	SQ FT	38.0
-0038	STRUCTURE REPAIR OF CONCRETE, DEPTH EQUAL TO OF LESS THAN 5"	SQ FT	29.0
	PROTECTIVE COAT	SQ FT	7.5

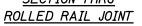


FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		FLOOR DRAIN DETAILS		F.A.I.	SECTION	COUNTY TO	JTAL SHEET
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS		S.N. 074–0037 (EB) & S.N. 074–0038 (WB)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 112
	PLOT SCALE = 40.0000 '/ in.	CHECKED – TJB	REVISED -	DEPARTMENT OF TRANSPORTATION		3.14. 074-0037 (EB) & 3.14. 074-0038 (WB)			CONTRACT N	NO. 70717
	PLOT DATE = 10/16/2014	DATE - 1-31-2013	REVISED -		SCALE:	SHEET 14 OF 23 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT	

	UNIT	TOTAL
DRAINS	EACH	12.0
SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	12.6

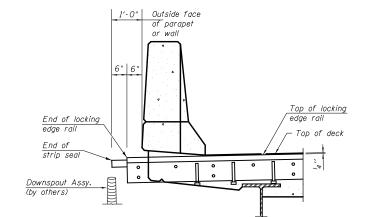




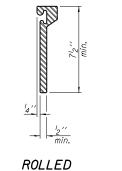




* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



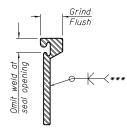
<u>SECTION A-A</u> At Curb, Parapet or Wall



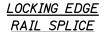
EXTRUDED RAIL

 $5_{B''}$

WELDED RAIL



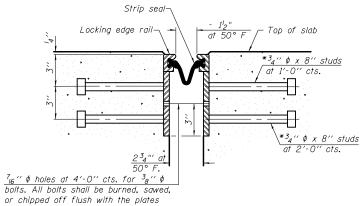
*** Back gouge not required if complete joint penetration is verified by mock-up.



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

LOCKING EDGE RAILS

FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -			PREFORMED JOINT STRIP SEAL DETAILS	F.A.I.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\eaglinga\d02001	3\D570717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 113
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074–0037 (EB) & S.N. 074–0038 (WB)				CONTRA	CT NO. 70717
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SCALE: SHEET 15 OF 23 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT	



after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ${}_{4}^{\prime\prime}$. The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches. The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and the strip of the strip.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

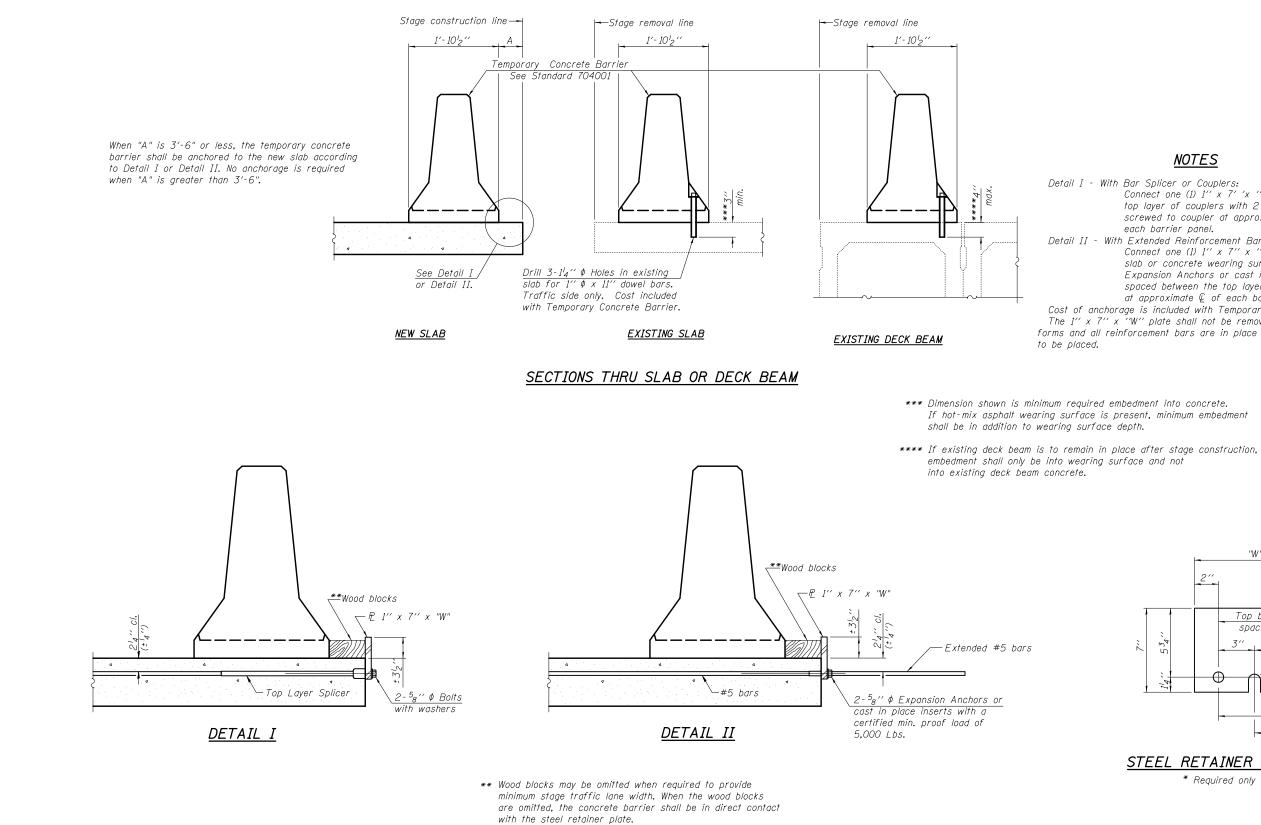
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments shall be 3_6 ", sealed with a suitable sealant. Joints in rails within 10 ft.

sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews $> 30^{\circ}$ included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL							
Item	Unit	Total					
Preformed Joint Strip Seal	Foot	196.0					



"W" = Top bars spacing + 4"

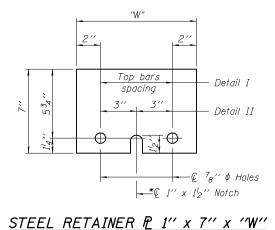
R-27

7-1-10

FILE NAME = USER NAME = eaglinga DESIGNED -REVISED TEMPORARY CONCRETE BARRIER F STATE OF ILLINOIS c:\pw_work\pwidot\eaglinga\d0200193\D570717 Structure Repair Plans-sht.dgn DRAWN REVISED S.N. 074-0037 (EB) & S.N PLOT SCALE = 40.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** PLOT DATE = 10/16/2014 DATE REVISED SCALE: SHEET 16 OF 23 SHEETS

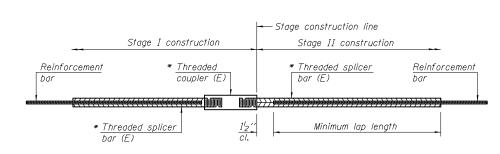
NOTES

Detail I - With Bar Splicer or Couplers: Connect one (1) 1'' x 7' 'x ''W'' steel I to the top layer of couplers with $2 \cdot \frac{5}{8}$ " ϕ bolts screwed to coupler at approximate \mathcal{Q} of each barrier panel. Detail II - With Extended Reinforcement Bars: Connect one (1) $1'' \times 7'' \times ''W''$ steel \mathbb{P} to the concrete slab or concrete wearing surface with 2- ${}^{5}\!\!8^{\prime\prime}$ ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate € of each barrier panel. Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready



* Required only with Detail II

FOR STAGE	CONSTRUCTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N 07/_0039	R (M/R)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	114
N. 074–0038 (WB)				CONTRAC	T NO. 7	70717
S STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



STANDARD BAR SPLICER ASSEMBLY

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

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

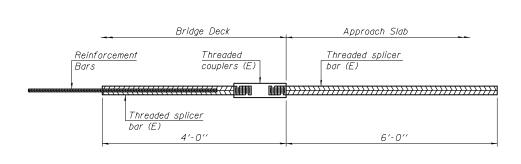
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Class CTable 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + $l_2^{\prime}{}^{\prime\prime}$ + thread length

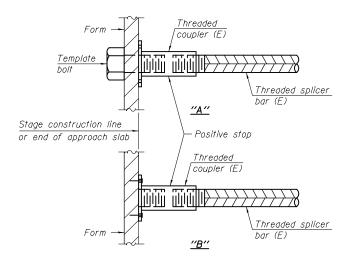
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Structure No.	Location	Bar size	No. assemblies required	Table for minimum lap length
	Deck Ends	6	32	3
	Hatch Blocks	6	6	3
074-0037				
	Deck Ends	6	32	3
	Hatch Blocks	6	6	3
074-0038				



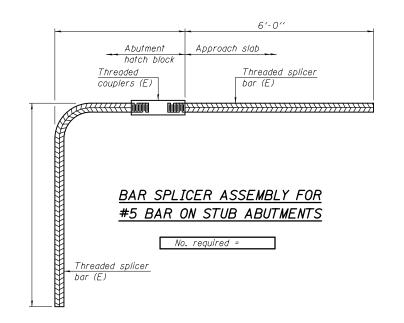
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No.	required	=



INSTALLATION AND SETTING METHODS

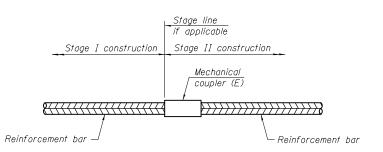
"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



BSD-1

1-27-12

FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -		BAB S	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS		.I. SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
c:\pw_work\pwidot\eaglinga\d0200193\D57	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	S.N. 074–0037 (EB) & S.N. 074–0038 (WB)				4 (74-2)RS-2 & (74-3)RS-3	3 PIATT	310 115
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		5.14. 074-0037 (EB) & 5.14. 074-0038 (WB)		L.	CONTRAC	CT NO. 70717	
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE: SHEET 17 OF 23 SHEETS STA. TO STA.			ILLINOIS FED.	AID PROJECT		



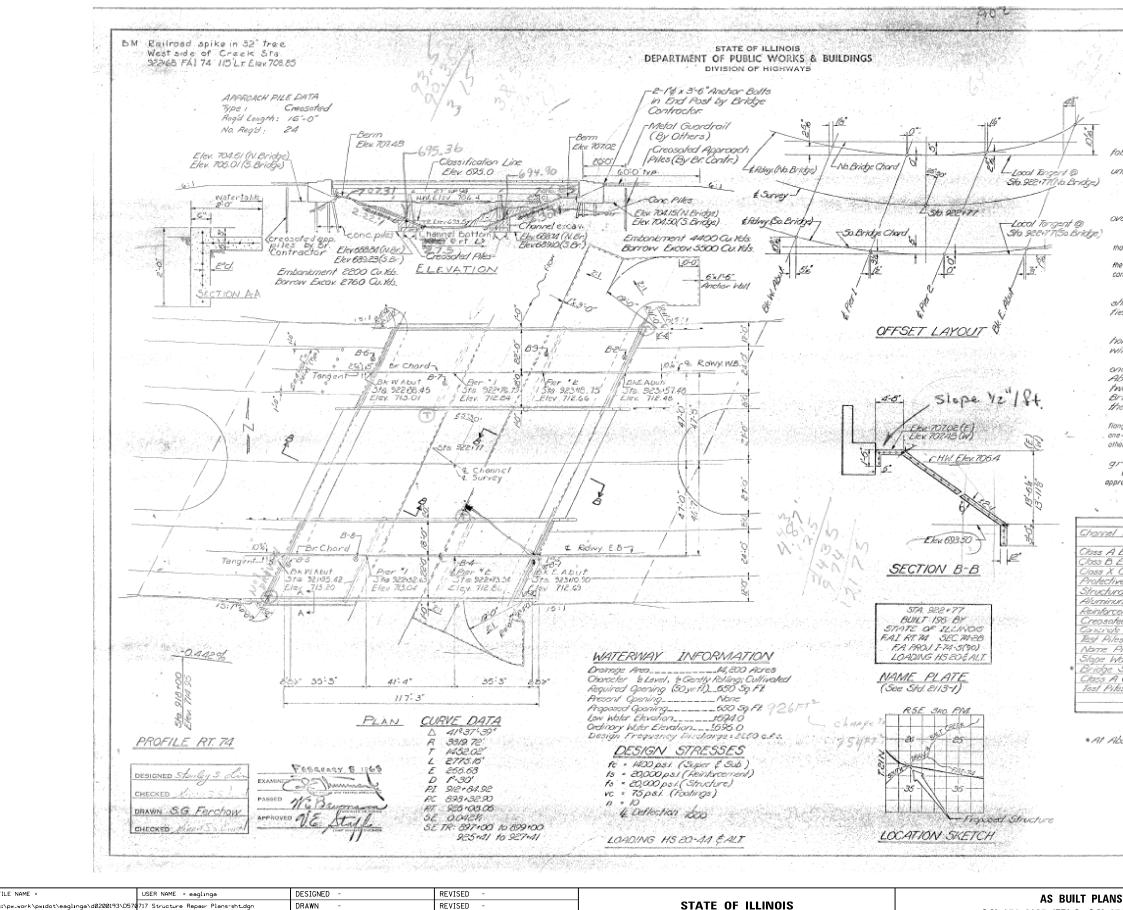
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.



FILE NAME :

LOT SCALE = 40.0000 '/ in.

PLOT DATE = 10/16/2014

CHECKED

DATE

S.N. 074-0037 (EB) & S. REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET 18 OF 23 SHEET REVISED

- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	town as	Hormon	80.0.77	Northe Balance	100017 1000	SHEET NO. /	
	4.4.5 6.4.574	74-2B	PIATT	27	6	(3, SHEETS	
	PES. WOND I	01.87. HO. T	LUNOIS FEE. NO A	sour-1745	5(99)160	- ·	
		GENE	RAL_NOT	ES			
rtess other Rivets & Ancher Bi er supports Class A & 8	rcerna v/se sv v/se sv v/s s/ s Excovo	nf bor hown n Hole hol / be	š shalt b 3 %5'jl, ci set bertoi invitures inclu	e lapp nitas re rive des em	eed & athern sting motion h	4 diametera viae noted diaphragn or sope wet	
of must be con	istructed 1 ráil sect construct	prior to lon above ed of Clo	the mandolo ss X Concrete	of the ol ry consti r, except	butments ruction ja	sint at the top of	
Except ac hall receive eld coats a	s ane i	shqoʻ e	cot of re			ral steel t and two	
							1

Concrete piles at abulments shall be driven in holes precored three the embankment in occordance with Article 5(3,0%) of the Standard Specifications. The Contractor shall drive two concrete test piles, one each at East Abut, North Bridge and Wesst Abut, South Bridge, all in permonent locations, and two timber test piles in the vicinity of Pier 1 North Bridge, and Pier 2 South Bridge, as directed by the Engineer, before ordering the remaining piles. Field watting of construction accessories will not be permitted to the bottom Nonge of beams or girders nor to the top tange for a distance equal to one-fourth the span length each way from the pier supports. Field watting in other oreas will be permitted only when approved by the Engineer. allier areas wil be permitted only when approved by the Engineer. Layout of Stope wolls may be varied to suit ground conditions in the field as directed by the Engi

Diaphragm connections may be adapted to shop welding subject to approval by the Engineer.

TOTAL OUL OF MATCOLLA

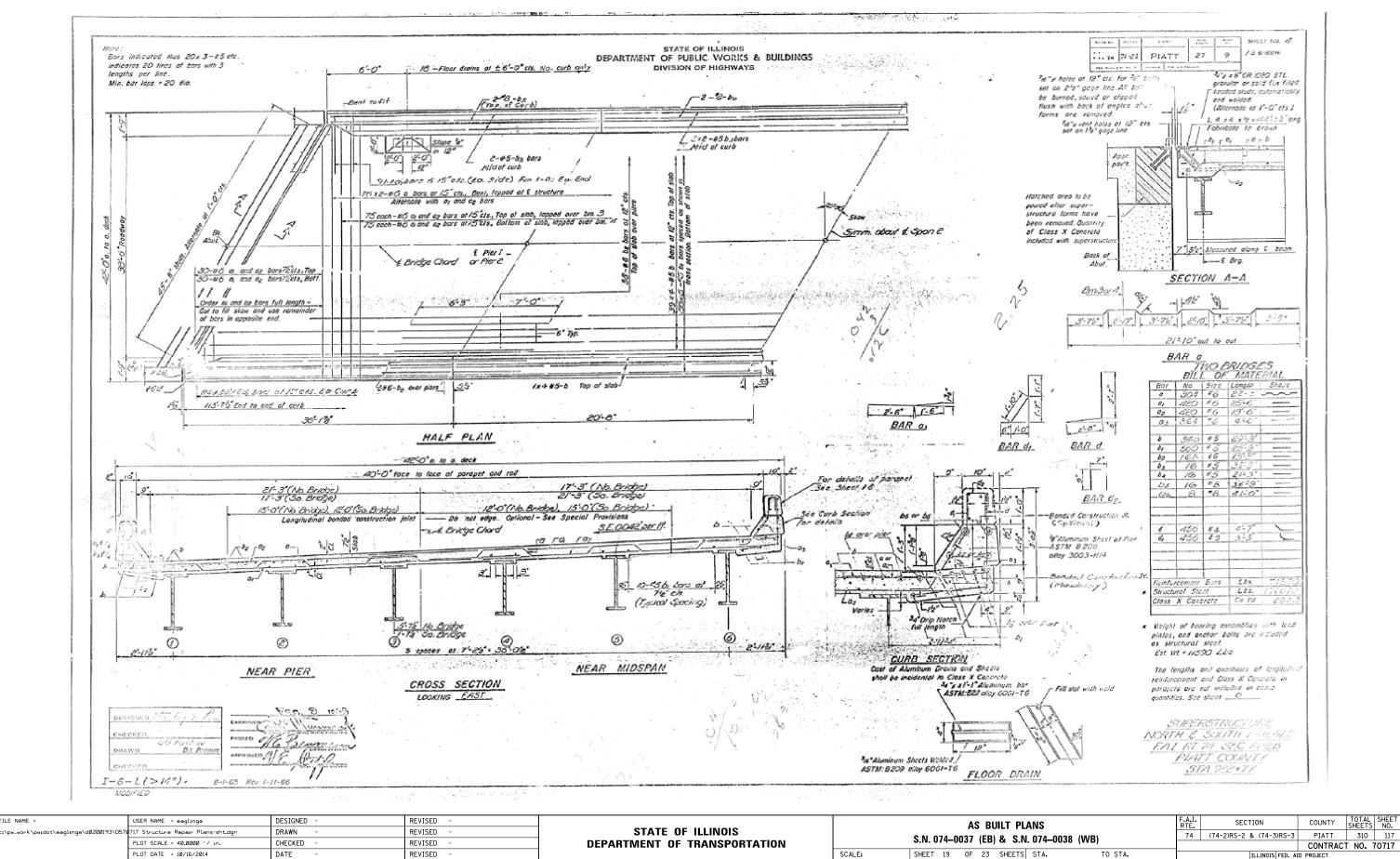
ITEM	UNIT	SUPER.	SUB	TOTAL
rnel Excavation	Gu. Yels.			1500
s A Excav for Structures	Cu Kla			. 30
S B Excor Br Strictures	Cu. Yels.			540
is X. Concrefe	CU. Yels.	281.0	190.7	471.7
tective Coot	Sq. Yels.	1250		1850
uctural Steel	Lbs.	172070		17:070
minum Railing	Lin. Ft.	455		455
Norcement Bars	L65.	76860	35080	111940
osated Piles (10 20)	Lin.Ft.		2360	2360
crefe Files	Lin.FY.		1764	1764
Piles (Canarete)	Each		2	2
re Plates	Each	2		2
08 W0/1 (6°)	5q. Yds.			1620
dge Geat Gealant	Z.5		/	1.
sa A Concrete	a. vds.		390.2	3902
t Piles (Timber)	Each		2	2

* At Abutments only.

GENERAL PLAN & ELEVATION F.A.I. RT. 74 OVER SO. BRANCH OF SALT CREEK <u>PROJ. 1-74-5(90)</u> F.A.I. RT. 74 SECTION 74-2B PIATT_COUNTY STA. 922+77

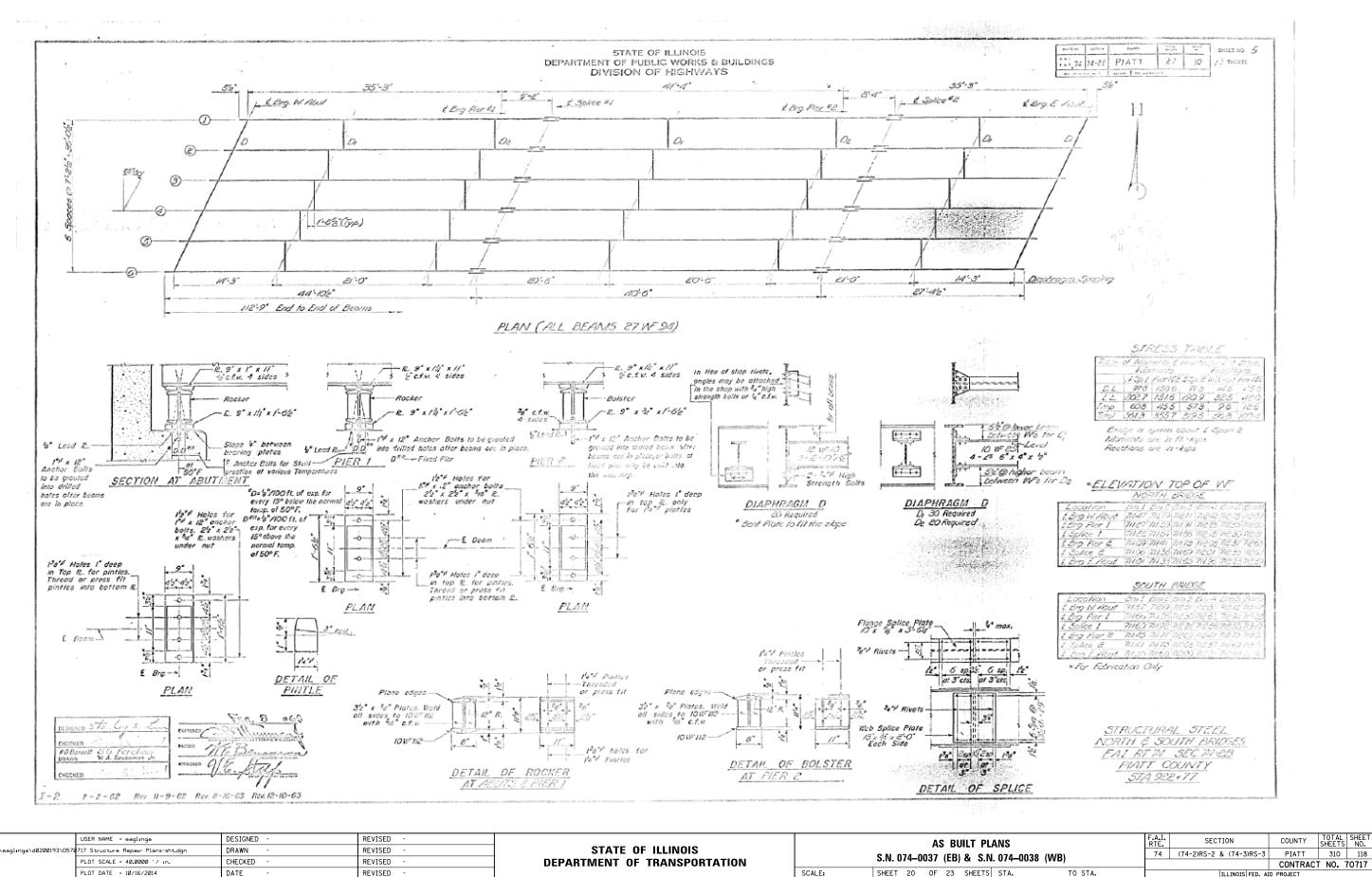
Lee Rome Mair & C. Me 10-19-69

PLANS	F.A.I. RTE.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
S.N. 074–0038 (WB)		(74-2)RS-2	& (74-3)	RS-3	PIATT	310	116
N. 074-0050 (WD)					CONTRAC	T NO.	70717
S STA. TO STA.			ILLINOIS	FED. AI	D PROJECT		

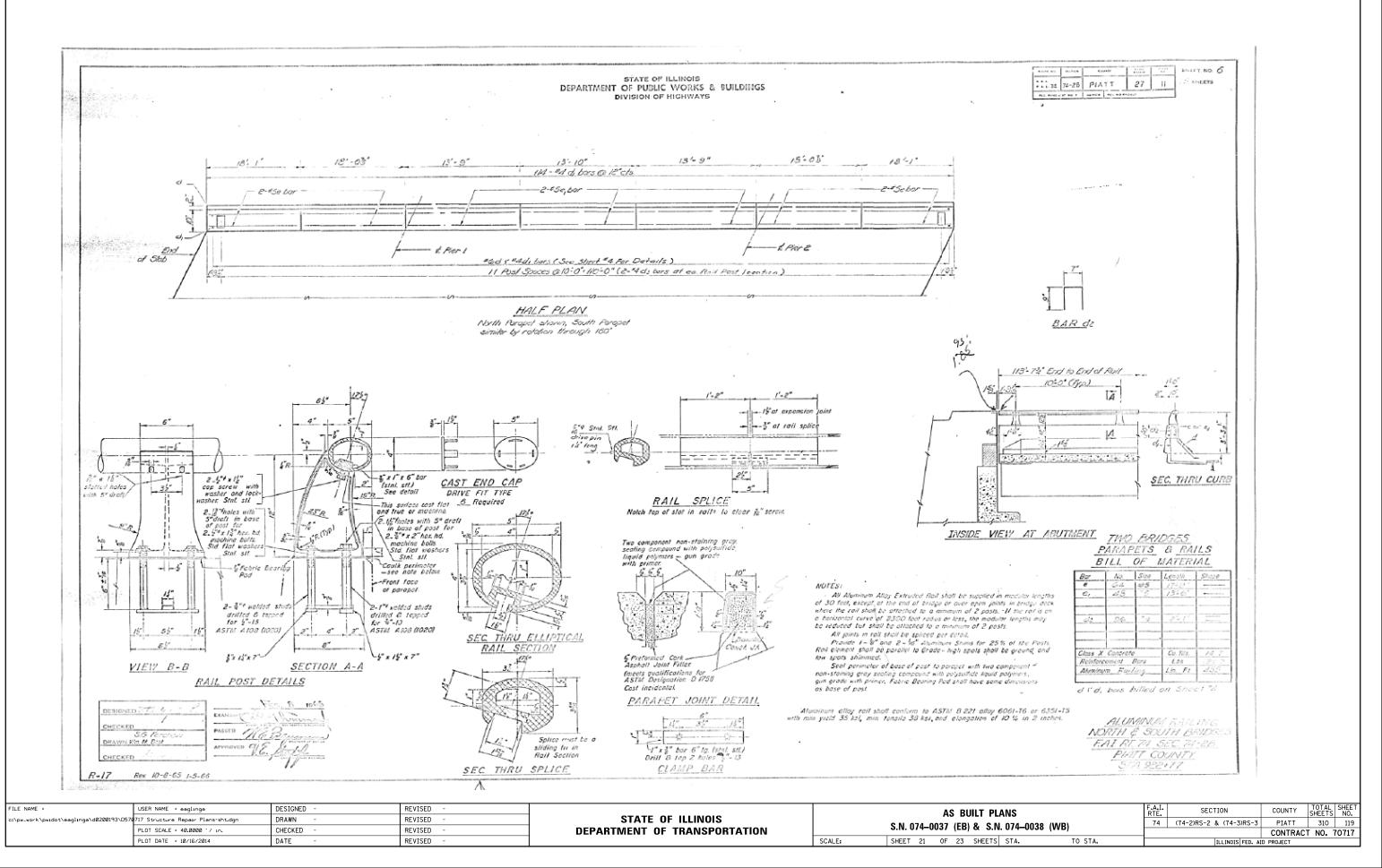


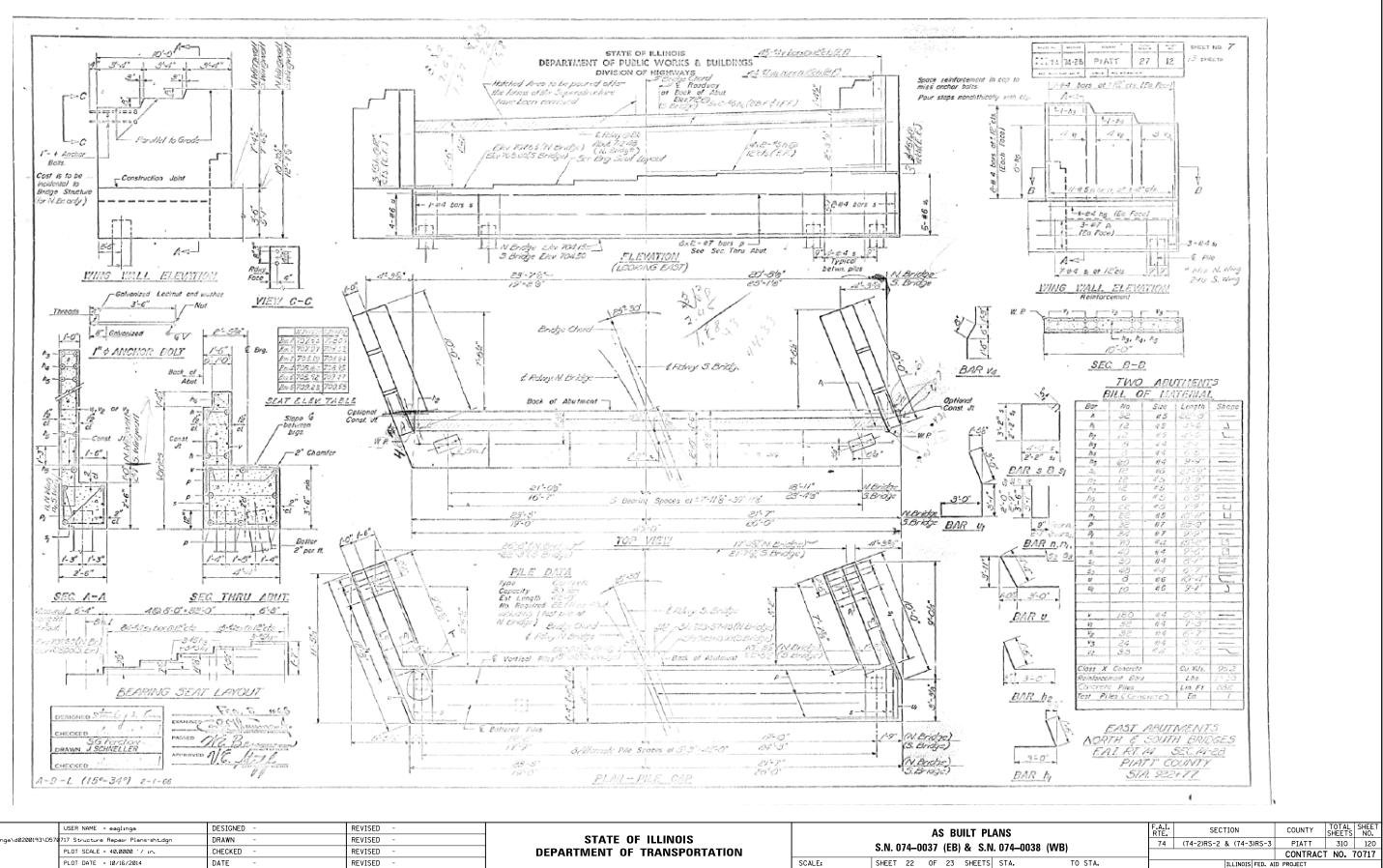
FILE NAME :

: N	.074–0038 (WB		14	(14-2)R3-2	a (14-5	ыкз-2	FIATI	510	111
	. 074-0030 (WE	•,					CONTRACT	Γ NO.	70717
ΤS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

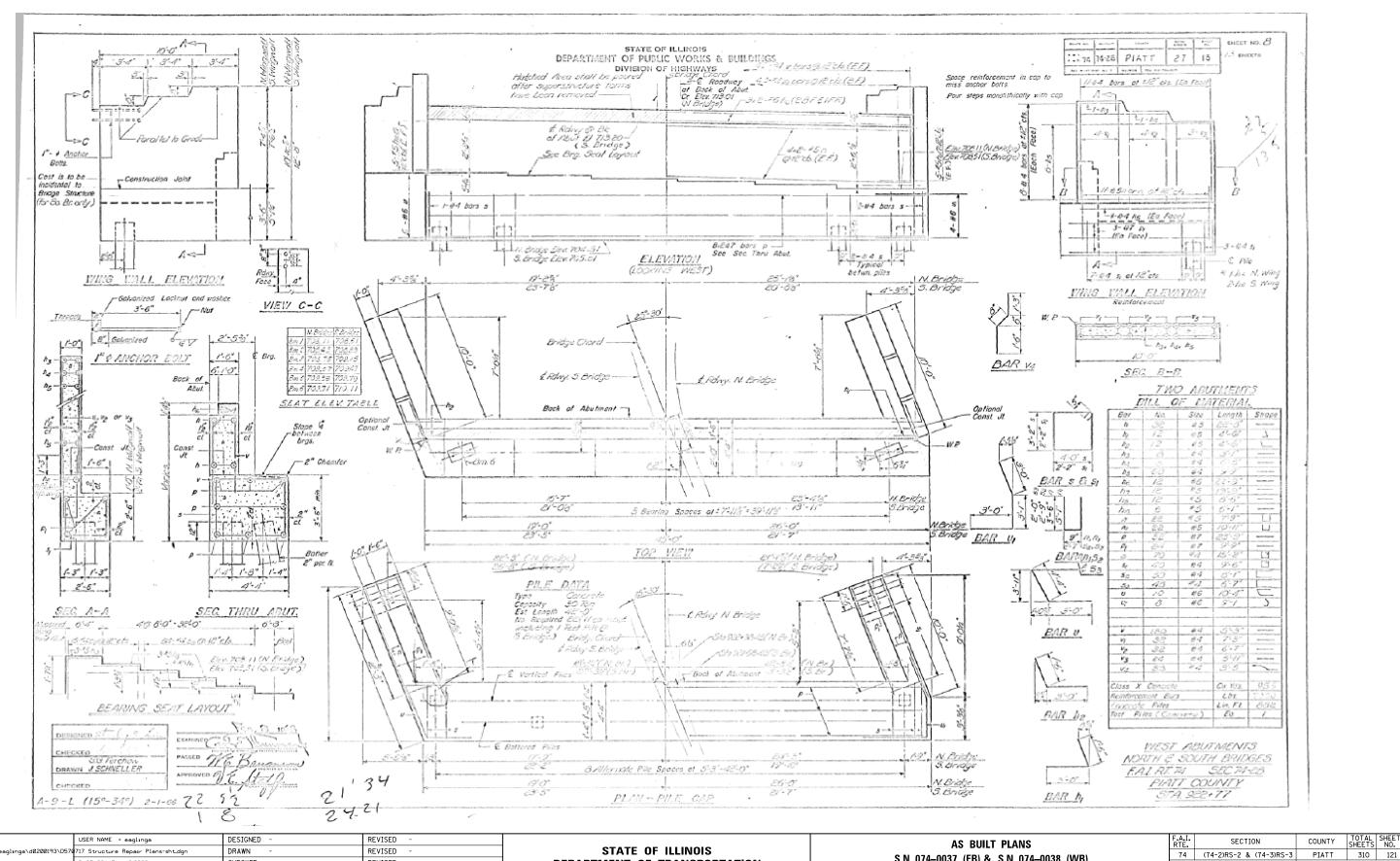


FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -			AS BUILT F
c:\pw_work\pwidot\eaglinga\d0200193\D57	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0037 (EB) & S
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 20 OF 23 SHEET

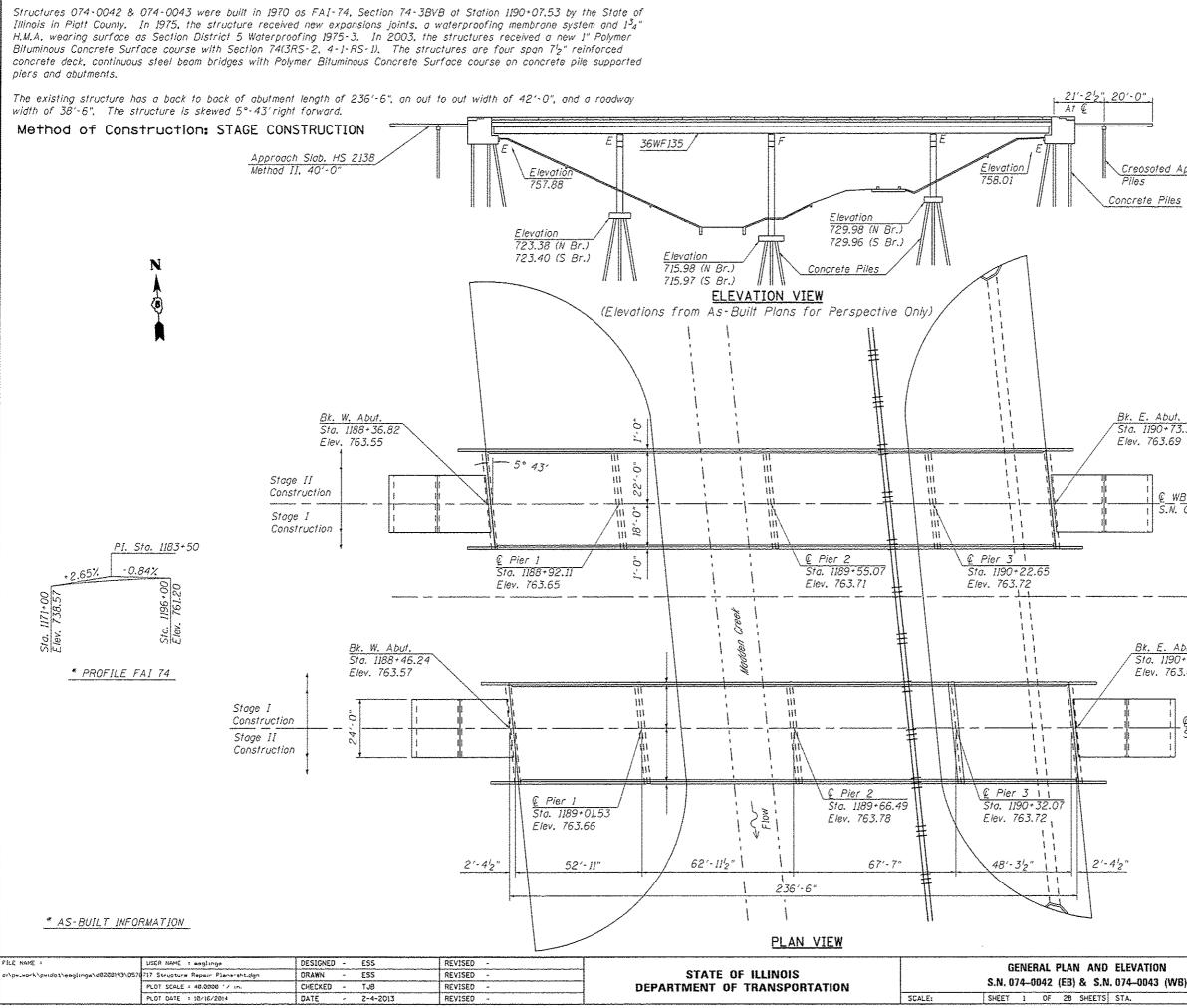




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c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	(
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	i i	S.N. 074–0037 (El	EB)& S.N	1. 1
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 22 OF 23	3 SHEETS	Ľ.



FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -			AS BUILT PLANS	F.A.I.	SECTION	COUNTY	TOTAL SH	HEET
c:\pw_work\pwidot\eaglinga\d0200193\D57	70717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 1	121
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0037 (EB) & S.N. 074–0038 (WB)			CONTRAC	T NO. 707	717
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 23 OF 23 SHEETS STA. TO STA.		ILLINOIS FED. A			



Creosoted Approach Piles Concrete Piles

Bk. E. Abut. Sta. 1190+73.32 Elev. 763.69 € WB Lanes S.N. 074-0043 Bk. E. Abut. Sto. 1190+82.74 Elev. 763.68 € EB Lones S.N. 074-0042 STRUCTURA, DAVID CARL PUZEY 081-005470 SPRINGFIELD 2'-4'2" **ILLINOIS** P_ (0) OF ILLINO Lunger 12/4/14 m Expines 11/30/16 COUNTY TOTAL SHEET SHEETS NO. F.A.I. RTE. SECTION PIATT 309 122 CONTRACT NO. 70717 74 (74-2)RS-2 & (74-3)RS-3 TO STA. ILLINDIS FED. ALD PROJECT

PROPOSED WORK

- 1. Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Bridge Deck.
- 2. Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Approach Slabs. Perform Bridge Deck Scarification on Bridge Deck and Approach Slabs.
- 3. Partial Removal of Deck Ends, Parapets, and Removal of Hatch Block.
- 4. Removal of Existing Joints.
- 5. Perform Full-Depth Patching.
- 6. Replace Existing Bearings with Elastomeric Bearings at Abutments.
- 7. Place Reinforcement Bars, Locking Edge Rail, and Studs.
- 8. Pour Deck Ends and Hatch Block.
- 9. Insert Rubber Strip Seal into Locking Edge Rails.
- 10. Pour Parapet Ends.
- 11. Place Microsilica Concrete Overlay on Bridge Deck and Approach Slabs.
- 12. Repair Substructure Units-Abutments, Slopewall Repair.

BILL OF MATERIALS

ІТЕМ	UNIT	QUANTITY
HOT-MIX ASPHALT SURFACE REMOVAL (ASBESTOS)	SQ YD	1,216.0
CONCRETE REMOVAL	CUYD	35.7
FLOOR DRAINS	EACH	40.0
SLOPE WALL REMOVAL	SQ YD	186.7
CONCRETE SUPERSTRUCTURE	CUYD	36.8
BRIDGE DECK GROOVING	SQ YD	2,334.0
PROTECTIVE COAT	SQ YD	368.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	5500.0
STUD SHEAR CONNECTORS	EACH	360.0
REINFORCEMENT BARS, EPOXY COATED	POUND	5330.0
BAR SPLICERS	EACH	76.0
SLOPE WALL 6 INCH	SQ YD	186.7
PREFORMED JOINT STRIP SEAL	FOOT	177.0
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	24.0
ANCHOR BOLTS, 1"	EACH	48.0
RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	16.0
JACK AND REMOVE EXISTING BEARINGS	EACH	24.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	1,216.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	2,342.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2,344.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	392.2
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	33.4
POLYMER CONCRETE	SQ FT	32.0
STRUCTURAL STEEL REMOVAL	POUND	2,370.0

* The H.M.A. Surface for Structure 074-0043 has been found to contain ASBESTOS

GENERAL NOTES

The deck ends and hatch blocks shall have its final surface tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost to be included with concrete superstructures.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars designated (E) shall be epoxy coated.

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

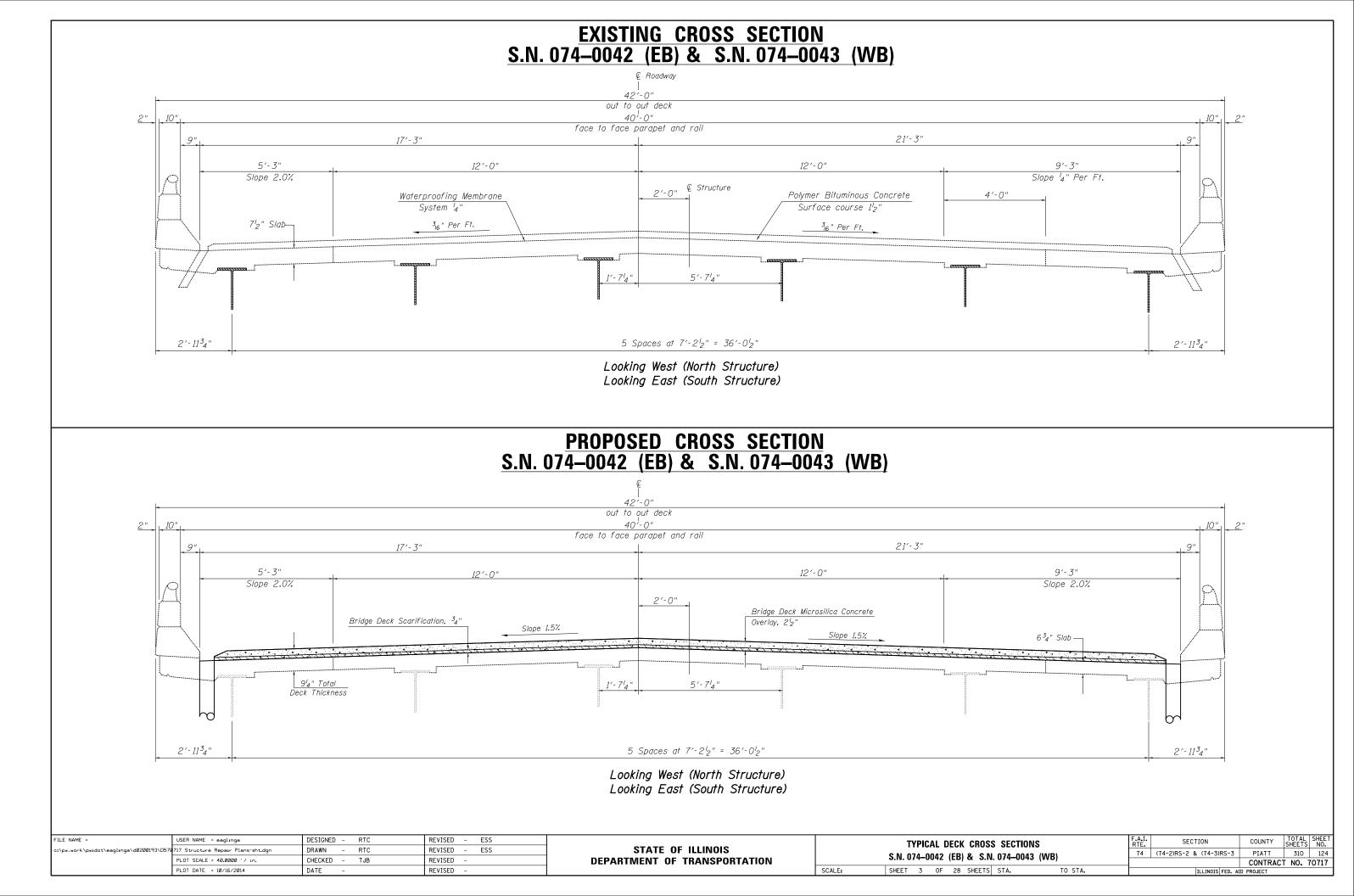
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

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

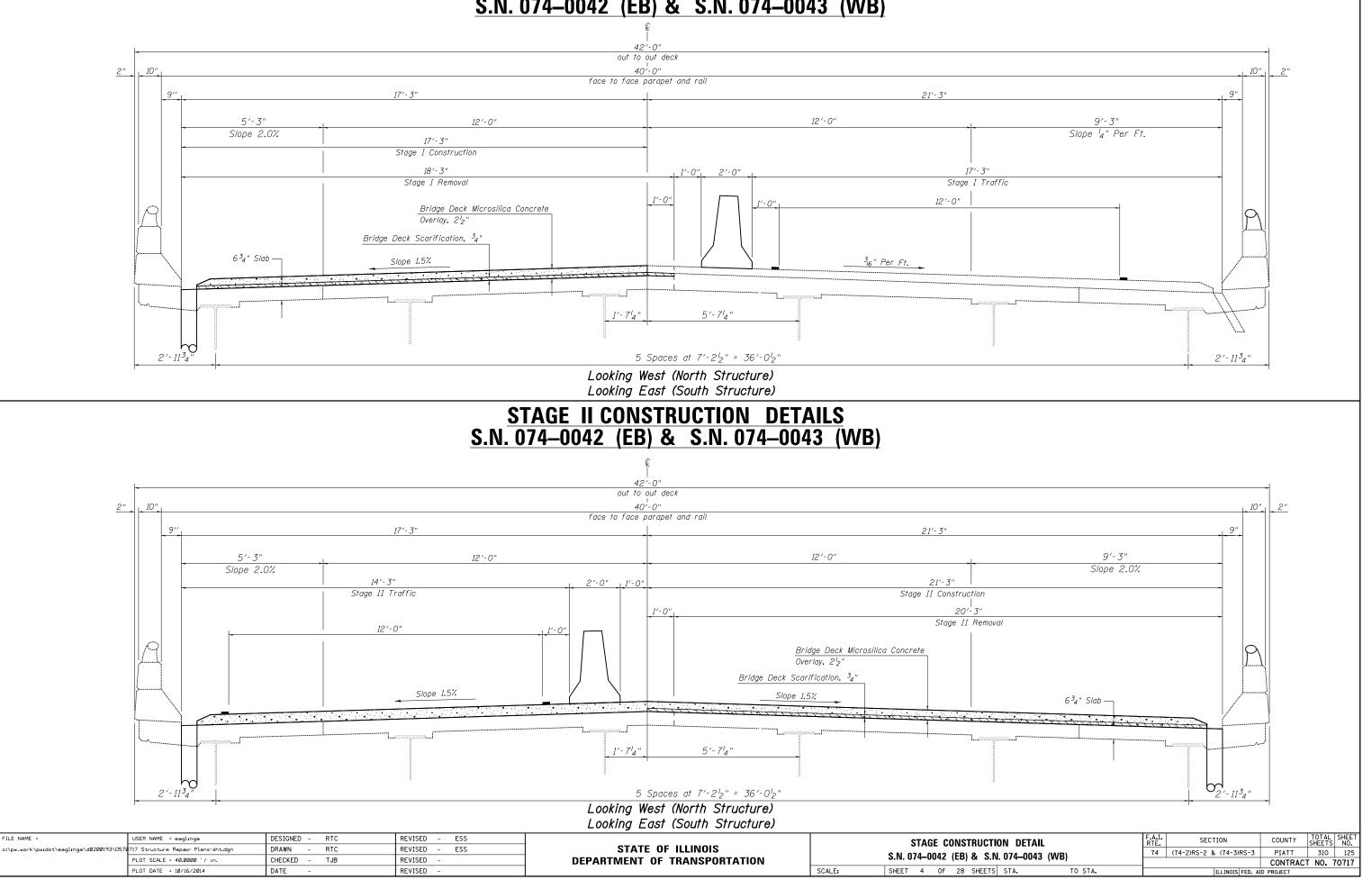
Joint openings shall be adjusted according to article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.

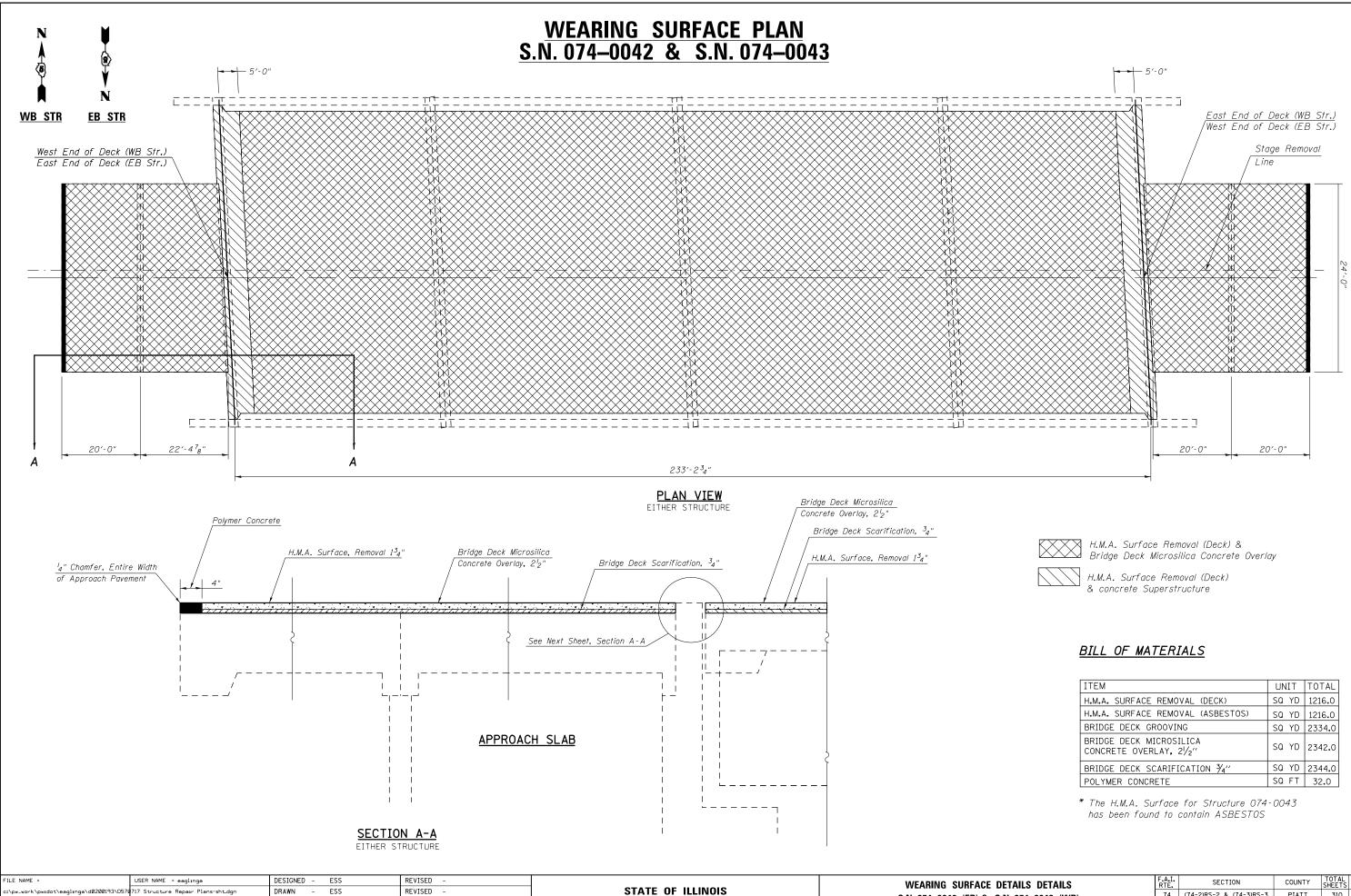
FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		SUMMARY OF QUANTITIES		F.A.I. RTF.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\eaglinga\d0200193\D57	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 123
	PLOT SCALE = 40.0000 ' / in.	CHECKED - TJB	REVISED -	DEPARTMENT OF TRANSPORTATION	5.N. 0/4-0042 (ED) & 5.N. 0/4-0043 (VVD)				CONTRAC'	T NO. 70717
	PLOT DATE = 10/16/2014	DATE - 2-4-2013	REVISED -		SCALE:	SHEET 2 OF 28 SHEETS STA. TO STA.		ILLINOIS FED. AI	ID PROJECT	

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



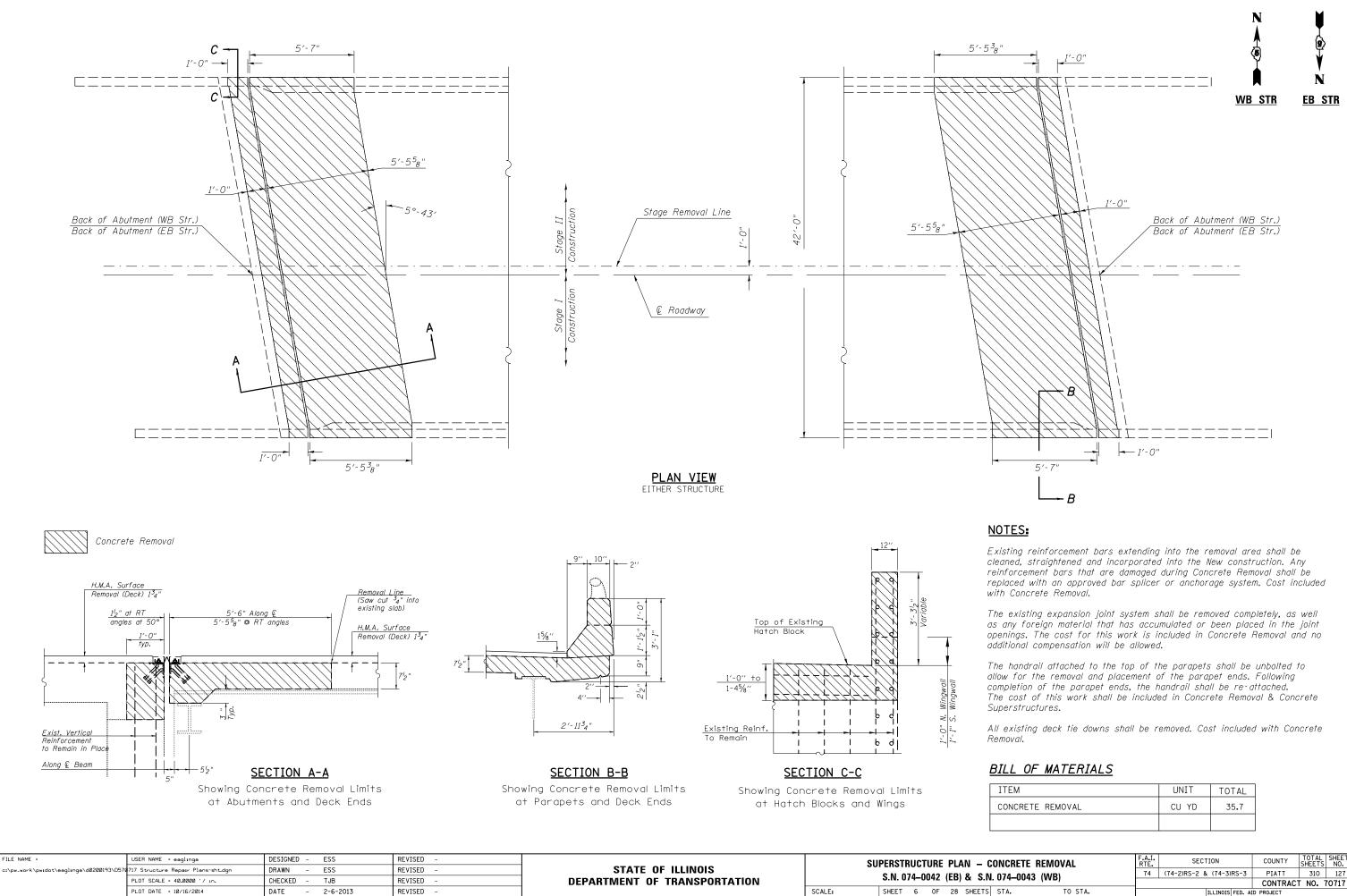
STAGE I CONSTRUCTION DETAILS S.N. 074–0042 (EB) & S.N. 074–0043 (WB)





	USER NAME = eaglinga	DESIGNED - ESS	REVISED -			WEARING SURFACE DETAILS DETAILS	F.A.I. SE	CTION	COUNTY S	TOTAL SHEET SHEETS NO.		
ot\eaglinga\d0200193\D57(717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINUIS SN 074 0042 (ED) 8, SN 074 0042 (M/D) 74						& (74-3)RS-3	PIATT	310 126
	PLOT SCALE = 40.0000 ' / in. PLOT DATE = 10/16/2014	DATE - 1-25-2013	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	PARIMENT OF TRANSPORTATION States Sheet 5 OF 28 Sheets State			ILLINOIS FED. A	CONTRACT	NO. 70717		

ITEM	UNIT	TOTAL
H.M.A. SURFACE REMOVAL (DECK)	SQ YD	1216.0
H.M.A. SURFACE REMOVAL (ASBESTOS)	SQ YD	1216.0
BRIDGE DECK GROOVING	SQ YD	2334.0
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 21/2"	SQ YD	2342.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2344.0
POLYMER CONCRETE	SQ FT	32.0



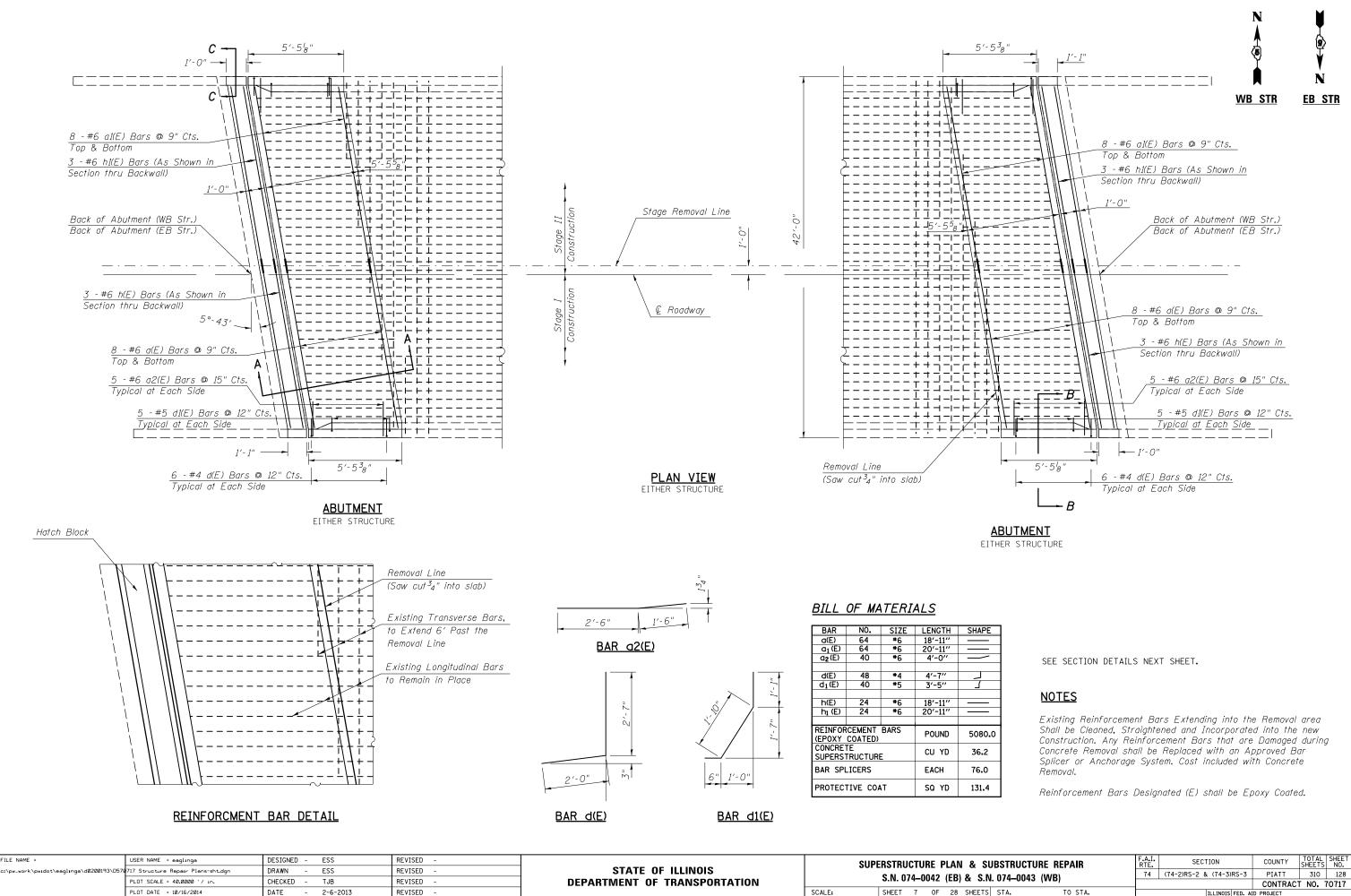
PLOT DATE = 10/16/2014

DATE - 2-6-2013

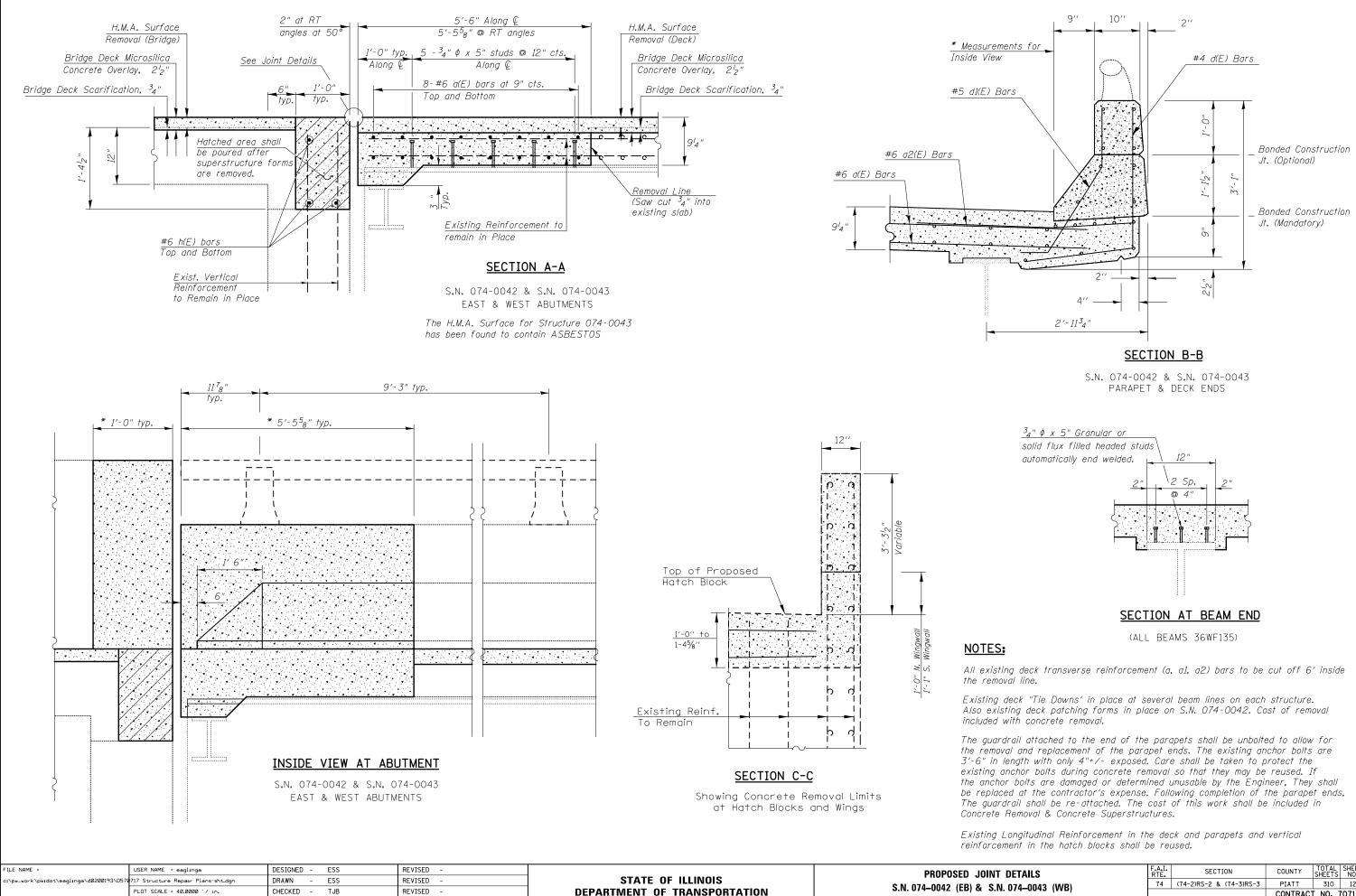
REVISED

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	35.7

CONCRETE REMOVAL .N. 074-0043 (WB)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	127	
				CONTRAC	T NO. T	70717	
'S S	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		(74-2)RS-2 & (74-3)RS-3	PIATT	310	128		
	. 0/ 4-0043				CONTRAC	T NO. 1	70717
TS STA. TO STA.			ILLINOIS FED. A	ID PROJECT			



PLOT DATE = 10/16/2014

DATE

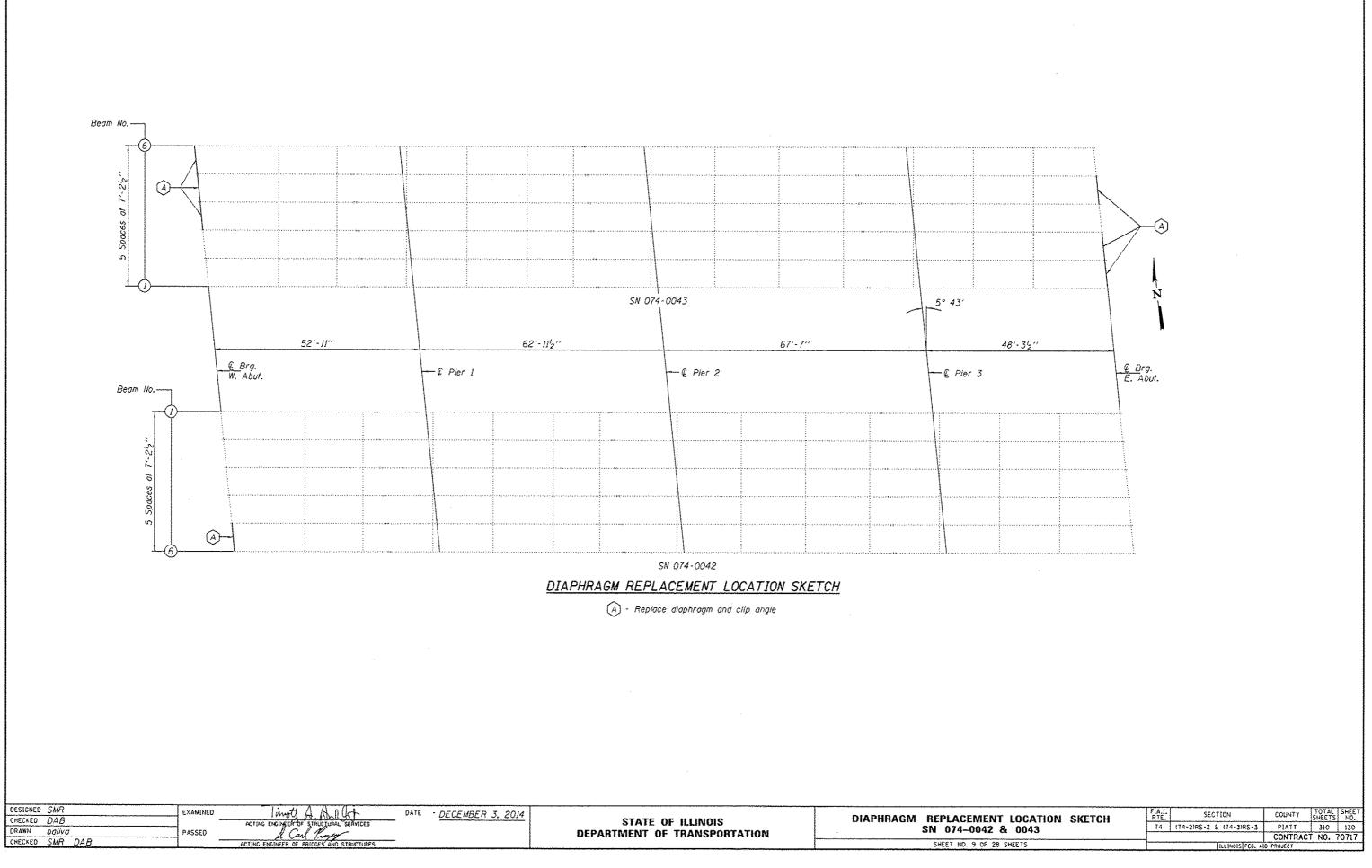
- 2-7-2013

REVISED

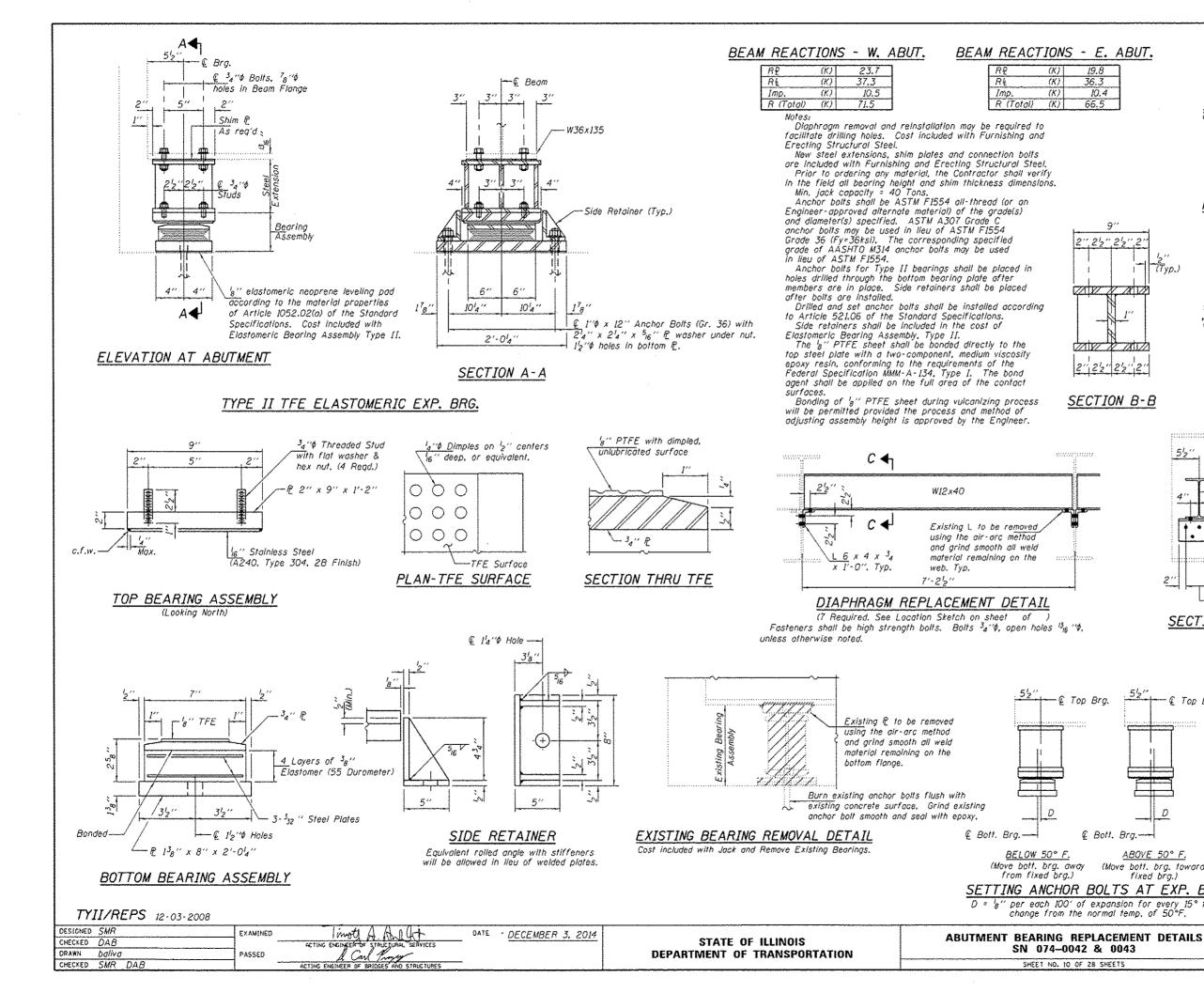
S.N. 074-0042 (EB) & S. SCALE:

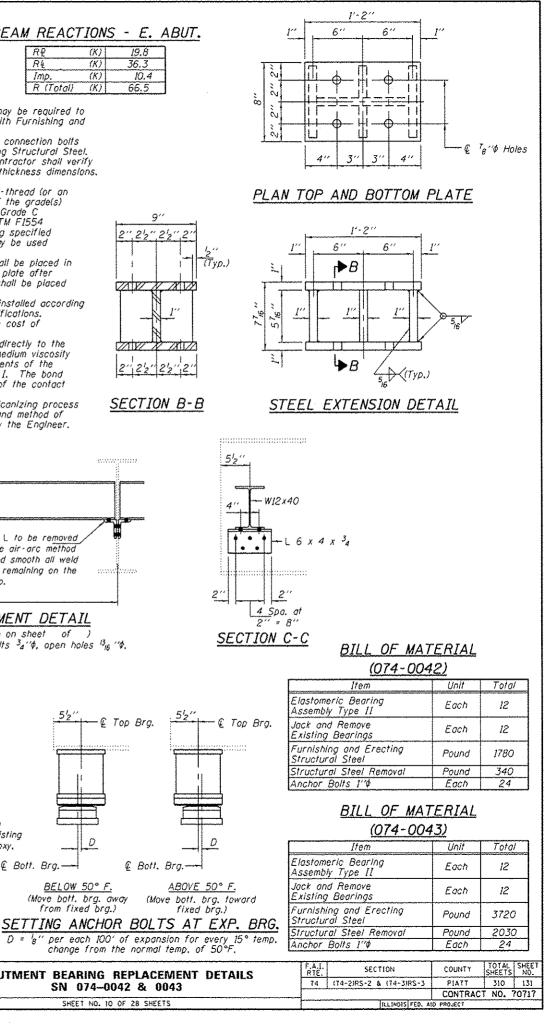
SHEET 8 OF 28 SHEET

IT DETAILS .N. 074–0043 (WB)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(74-2)RS-2 & (74-3)RS-3	PIATT	310	129
.N. 074-0045 (WD)			CONTRAC	T NO. 7	0717
TS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

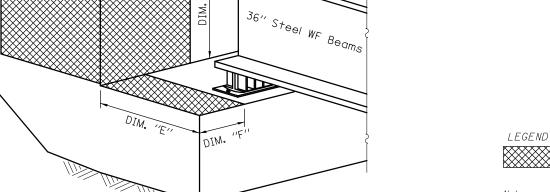


DEPARTMENT OF TRANSPORTATION	SN 074-0042 &
	SHEET ND. 9 OF 28 SHE





		STRUCTURE	REPAIR OF	CONCRETE,	DEPTH EQUAL	TO OR LE	SS THAN 5"	
STRUCTURE ABUTMENT		WING	WALL	COR	NER	ABUTM	ENT CAP	AREA
SIRUCIURE	CORNER	А	В	С	D	E	F	(SQ FT)
		1.00	4.00	1.00	4.00			8.00
074-0042		2.00	4.00	2.30	4.00			17.20
014-0042	1.50	4.50	2.0	4.50			15.75	
		1.50	4.50	2.50	4.50			18.00
							TOTAL =	59.0
	NW	2.00	4.50	1.00	4.50			13.50
074-0043	SW	3.00	4.50	2.00	4.50			22.50
014 0045	NE	2.00	4.50	2.00	4.50			18.00
SE		2.50	4.50	2.00	4.50	2.80	2.00	23.60
		*		*			TOTAL =	77.6
	•					GRAN	D TOTAL =	136.6



ISOMETRIC VIEW AT ABUTMENT CORNER

DIM. "'C"

WINGWALL

'nB'

DIM.

ΠÌ

111

DIM. "A"

LEGEND	
	Structural Repair of Concrete, Depth Equal to or Less Than 5"

Note: See Special Provision for Structural Repair of Concrete.

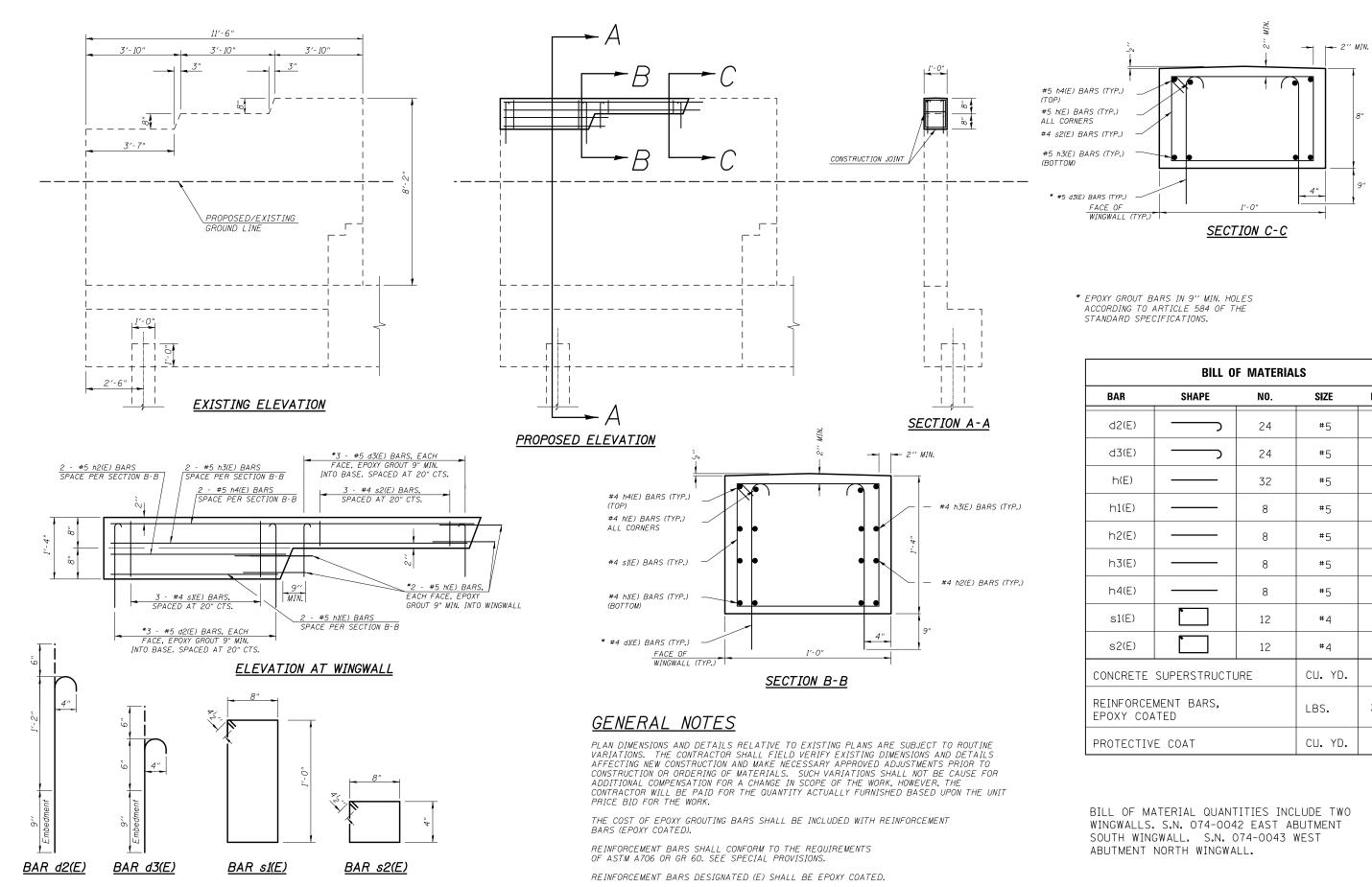
STRUC 074-0 074-0

FI	ILE NAME =	USER NAME = eaglinga	DESIGNED - RTC	REVISED -			SUBSTRUCTURE REPAIR DETAILS	F.A.I. SECTION	COUNTY TOTAL SHEET
с:	\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - RTC	REVISED -	STATE OF ILLINOIS			74 (74-2)RS-2 & (74-3)RS-3	PIATT 310 132
		PLOT SCALE = 40.0000 '/ in.	CHECKED – TJB	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0042 (EB) & S.N. 074–0043 (WB)		CONTRACT NO. 70717
		PLOT DATE = 10/16/2014	DATE - 2-27-2013	REVISED -		SCALE:	SHEET 11 OF 28 SHEETS STA. TO STA.	ILLINOIS FED.	AID PROJECT

<u>BILL OF MATERIAL</u>

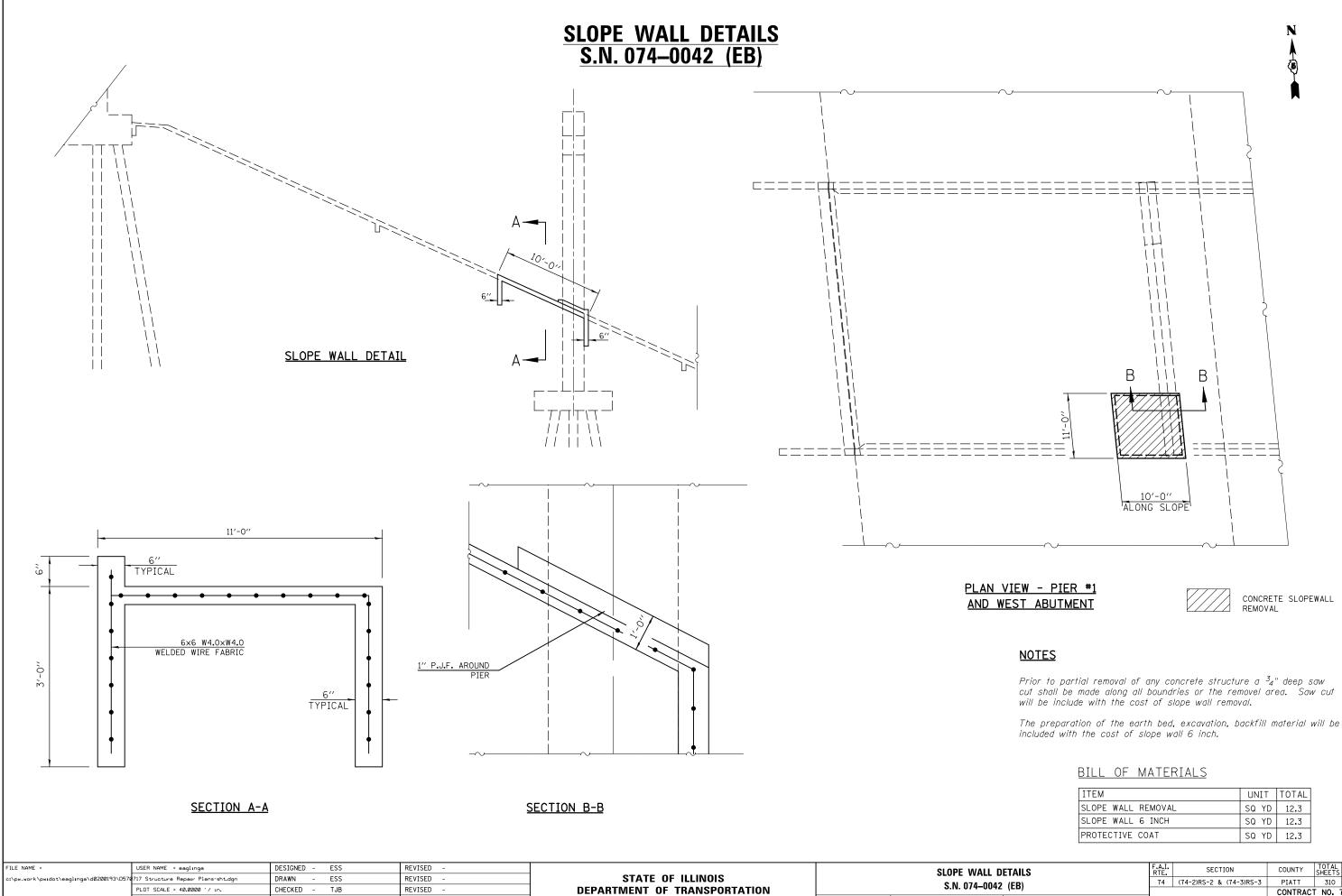
Includes totals from Pier Repair and Substructure Repair Quantities.

JCTURE	ITEM	UNIT	TOTAL
-0042	STRUCTURE REPAIR OF CONCRETE, DEPTH EQUAL TO OF LESS THAN 5"	SQ FT	59 . 0
-0043	STRUCTURE REPAIR OF CONCRETE, DEPTH EQUAL TO OF LESS THAN 5"	SQ FT	77.6
	PROTECTIVE COAT	SQ FT	15.2



FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		WINGW	ALL EXTENSION FOR TYPE 5 GUARDRAIL TERMINAL	F.A.I. RTF.	SECTION	COUNTY	TOTAL	SHEET NO.
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS		S.N. 074–0042 (EB) & S.N. 074–0043 (WB)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	133
	PLOT SCALE = 40.0000 '/ in.	CHECKED - TJB	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRAC	T NO. 7	0717
	PLOT DATE = 10/16/2014	DATE - 2-21-2013	REVISED -		SCALE:	SHEET 12 OF 28 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		

	BILL O	F MATERIA	LS	
BAR	SHAPE	NO.	SIZE	LENGTH
d2(E)		24	#5	2'-5''
d3(E)		24	#5	1'-9''
h(E)		32	#5	2'-5''
h1(E)		8	#5	3'-4''
h2(E)		8	#5	3'-5''
h3(E)		8	#5	7'-2''
h4(E)		8	#5	7'-3''
s1(E)		12	#4	4'-1''
s2(E)		12	#4	2'-9''
CONCRETE	SUPERSTRUCTL	CU. YD.	0.6	
REINFORCE EPOXY COA	MENT BARS, Ted	LBS.	250.0	
PROTECTIV	E COAT		CU. YD.	5.9



PLOT DATE = 10/16/2014

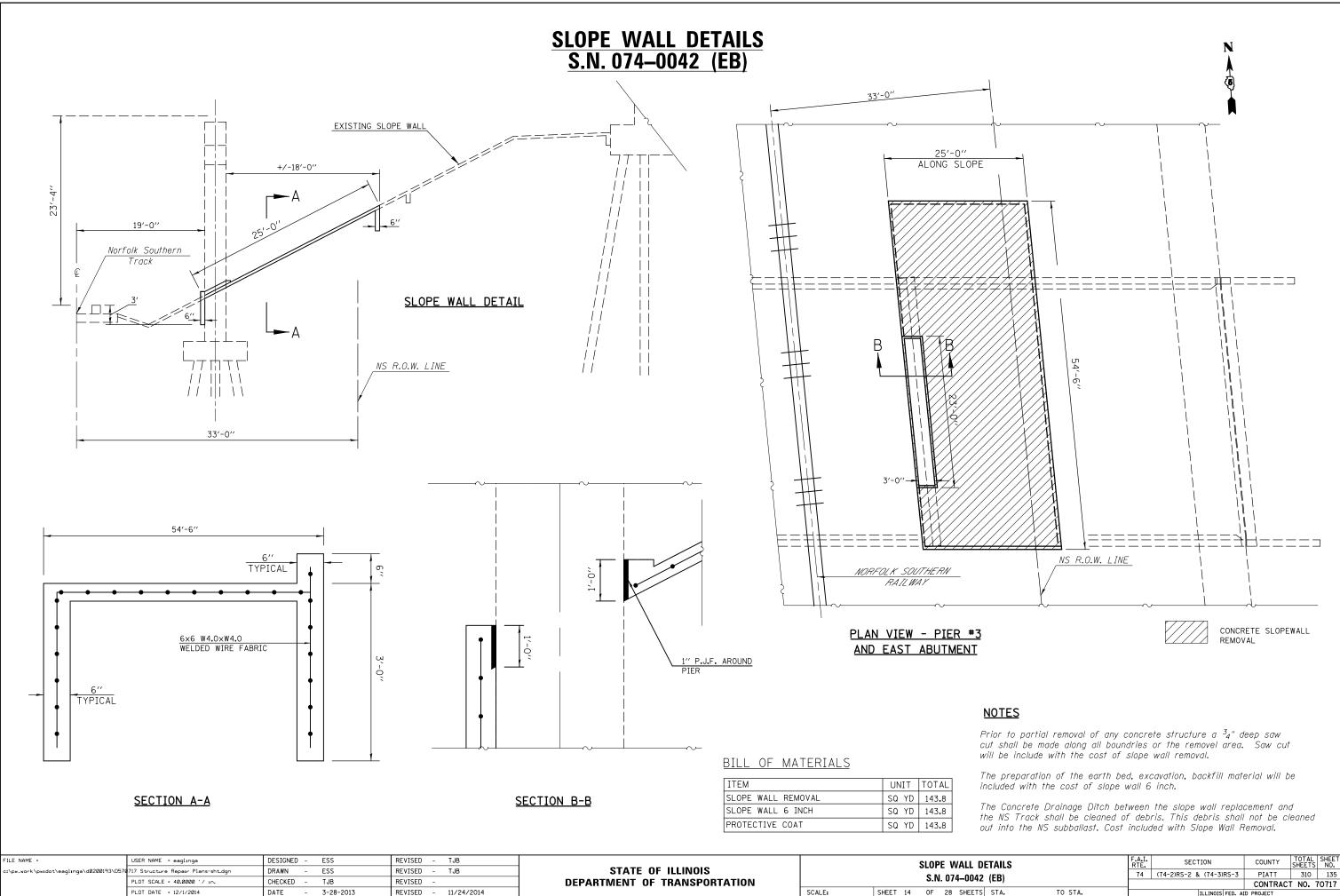
DATE - 3-27-2013

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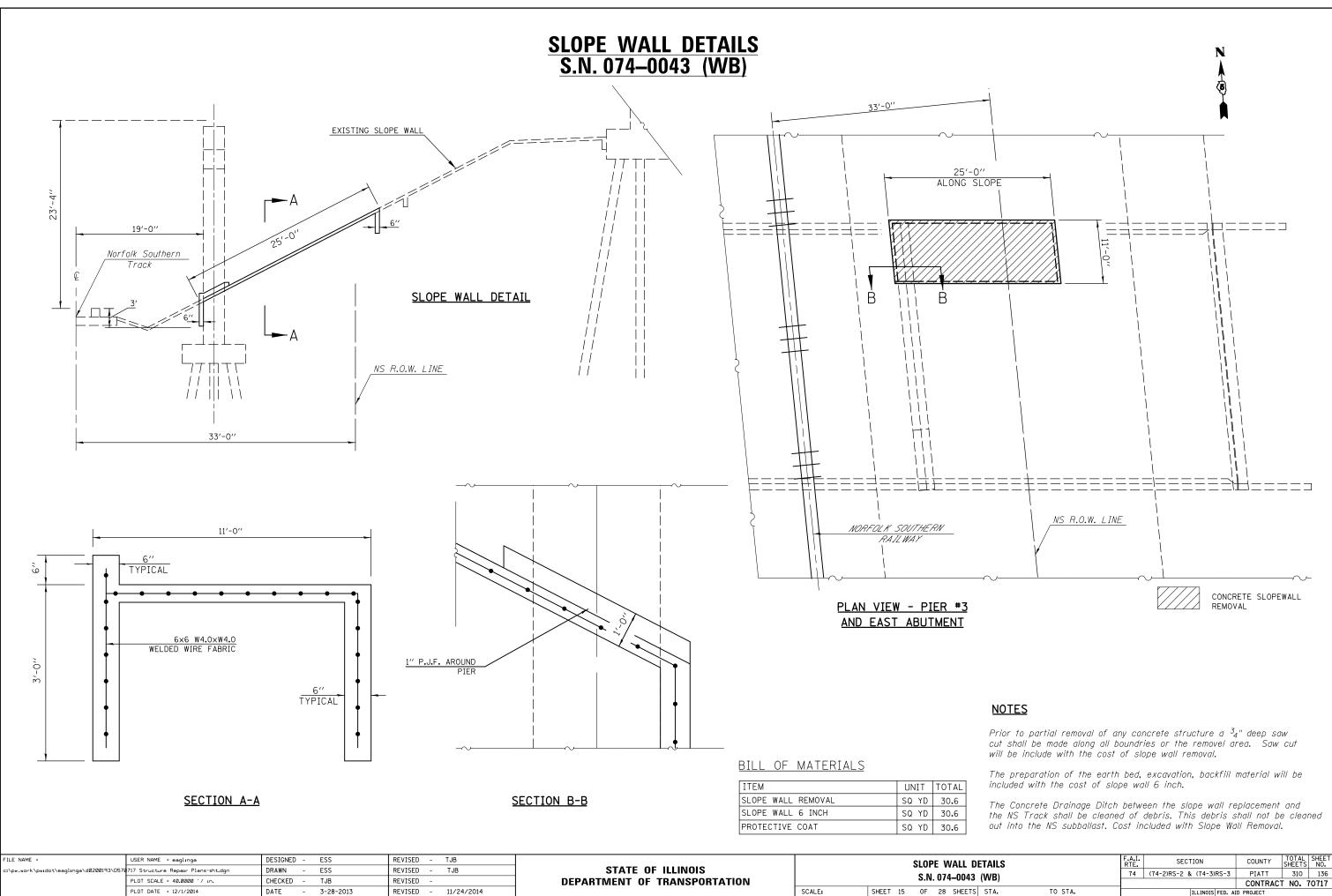
SCALE:

ITEM	UNIT	TOTAL
SLOPE WALL REMOVAL	SQ YD	12.3
SLOPE WALL 6 INCH	SQ YD	12.3
PROTECTIVE COAT	SQ YD	12.3

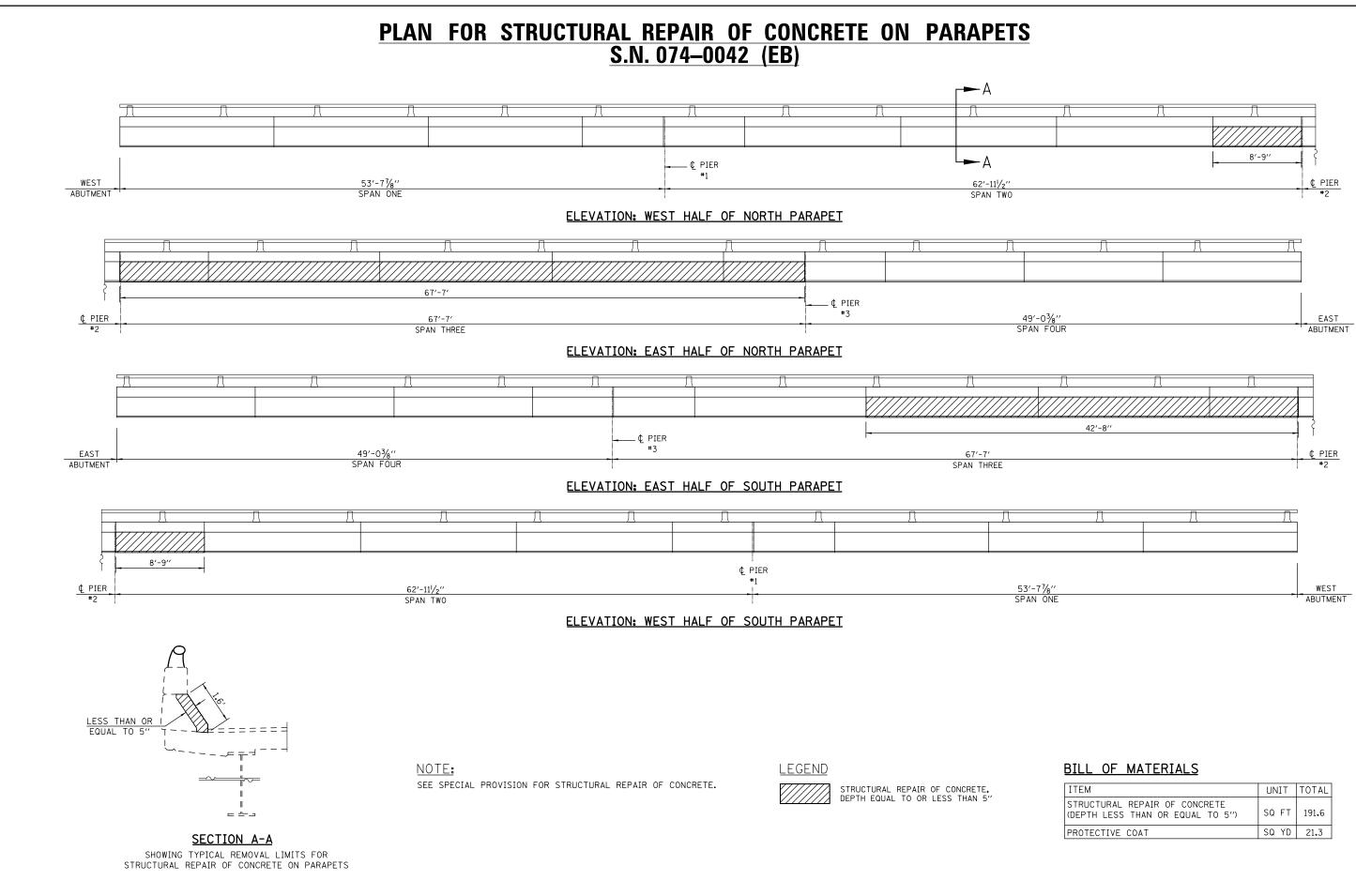
SLOPE WALL DETAILS S.N. 074–0042 (EB)						ETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						(FR)		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	134
			0.14	. 07		(LD)				CONTRAC	T NO. 1	70717
	SHEET	13	0F	28	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
12 (EB)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	135	
			CONTRACT NO. 70717			
TS STA. TO STA.	ILLINOIS FED. AID PROJECT					

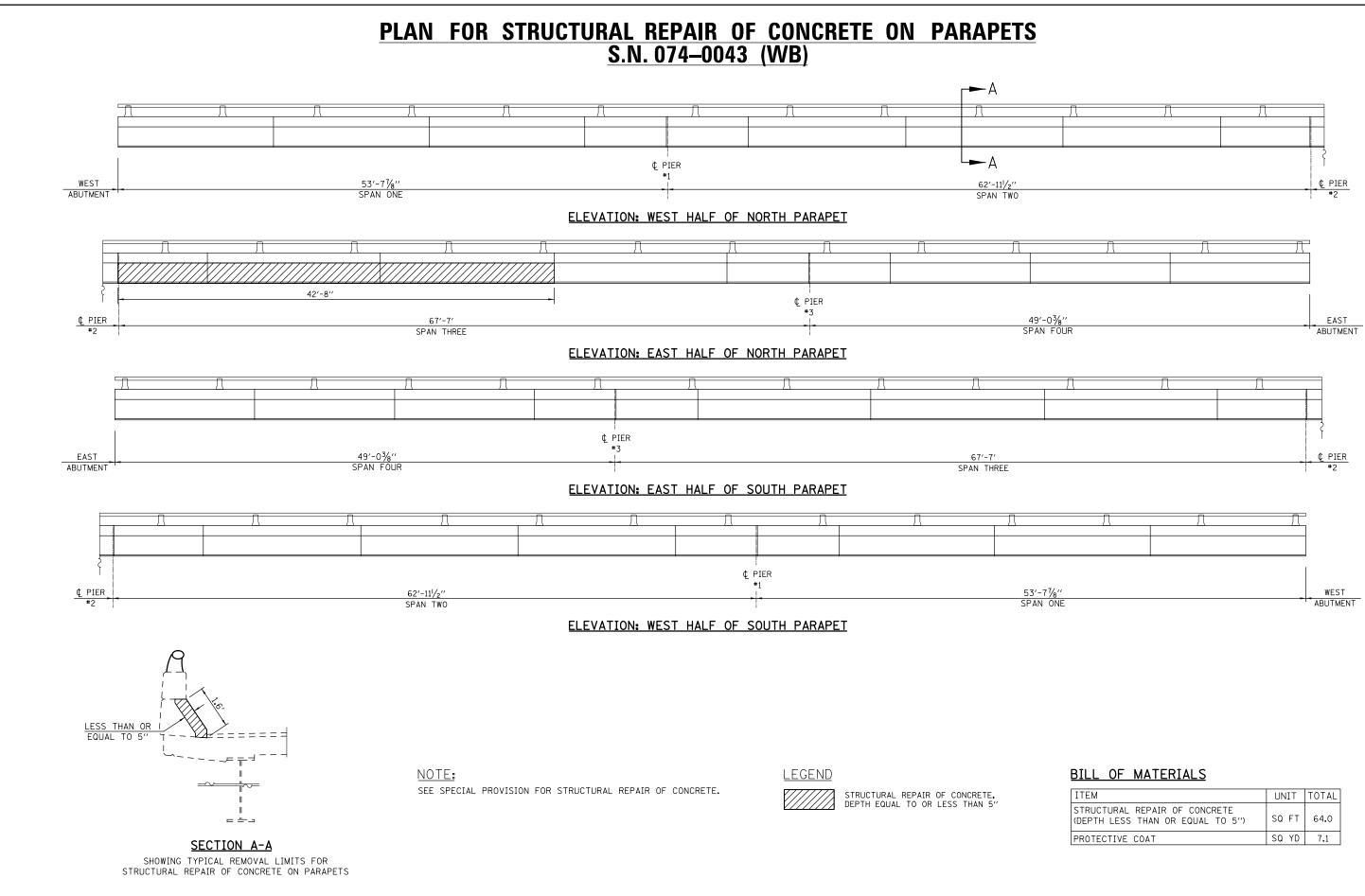


DETAILS 13 (WB)			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	136	
			_		CONTRACT NO. 70717			
TS	STA.	TO STA.		ILLINOIS FED. AID PROJECT				



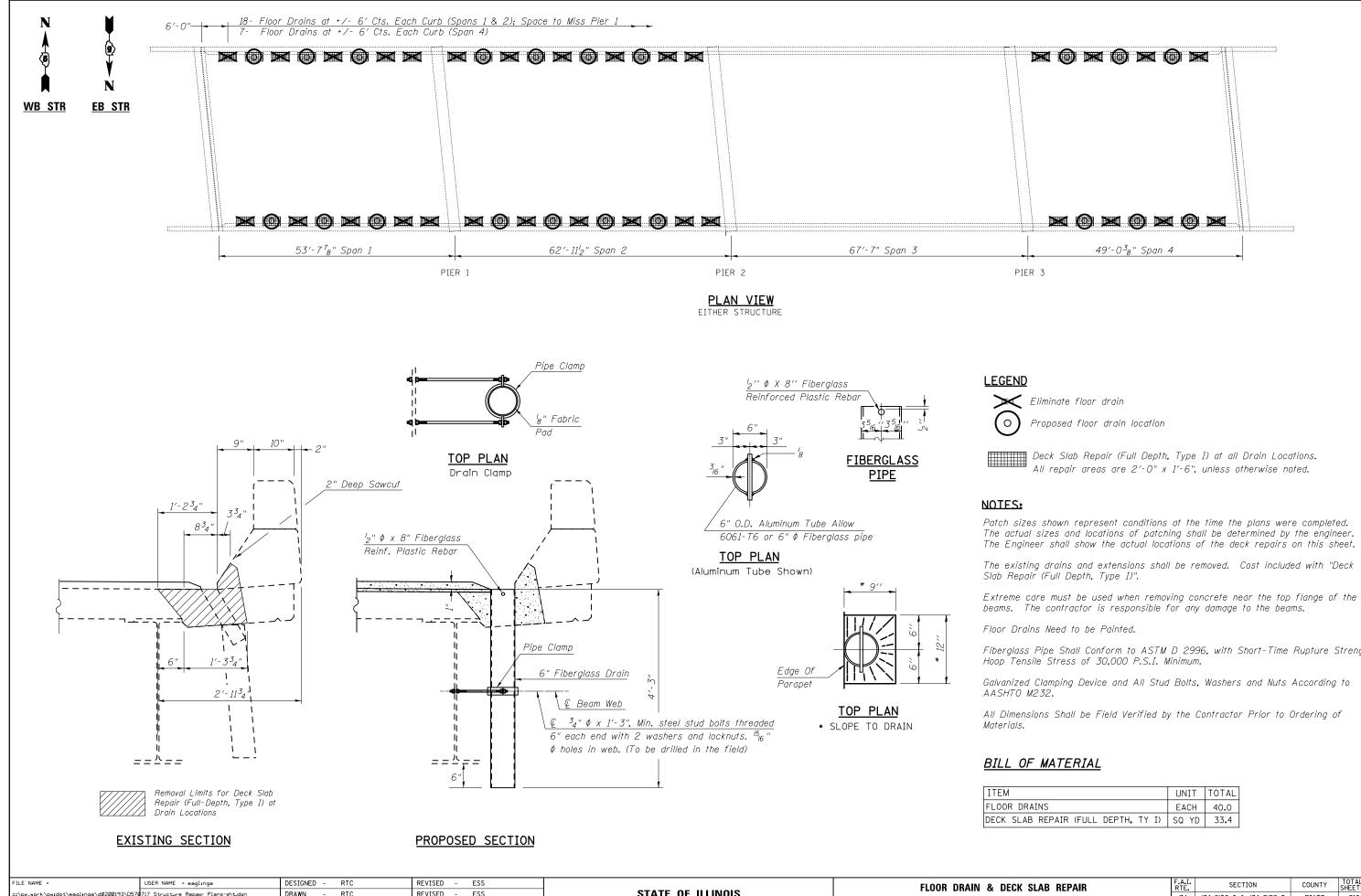
FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		PLAN FO	OR STRUCTURAL REPAIR OF CONCRETE ON PARAPETS	F.A.I. RTE.	SECTION	COUNTY TOTAL SHEETS
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS		S.N. 074–0042 (EB)	74	(74-2)RS-2 & (74-3)RS-3	PIATT 310
	PLOT SCALE = 40.0000 ' / in.	CHECKED - TJB	REVISED -	DEPARTMENT OF TRANSPORTATION		3.14. 074-0042 (LD)			CONTRACT NO. 7
	PLOT DATE = 10/16/2014	DATE - 2-27-2013	REVISED -		SCALE:	SHEET 16 OF 28 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ FT	191.6
PROTECTIVE COAT	SQ YD	21.3



FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		PLAN	FOR STRUCTUR	RAI REP	PAIR OF	CONCRETE	ON PARAPETS	F.A.I. RTF.	SECTION	COUNTY	TOTAL	SHEET
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS				4-0043			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	138
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			3.N. 07	4-0043	(000)				CONTRAC	T NO.	70717
	PLOT DATE = 10/16/2014	DATE - 2-27-2013	REVISED -		SCALE:	SHEET 17	0F 28	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ FT	64.0
PROTECTIVE COAT	SQ YD	7.1



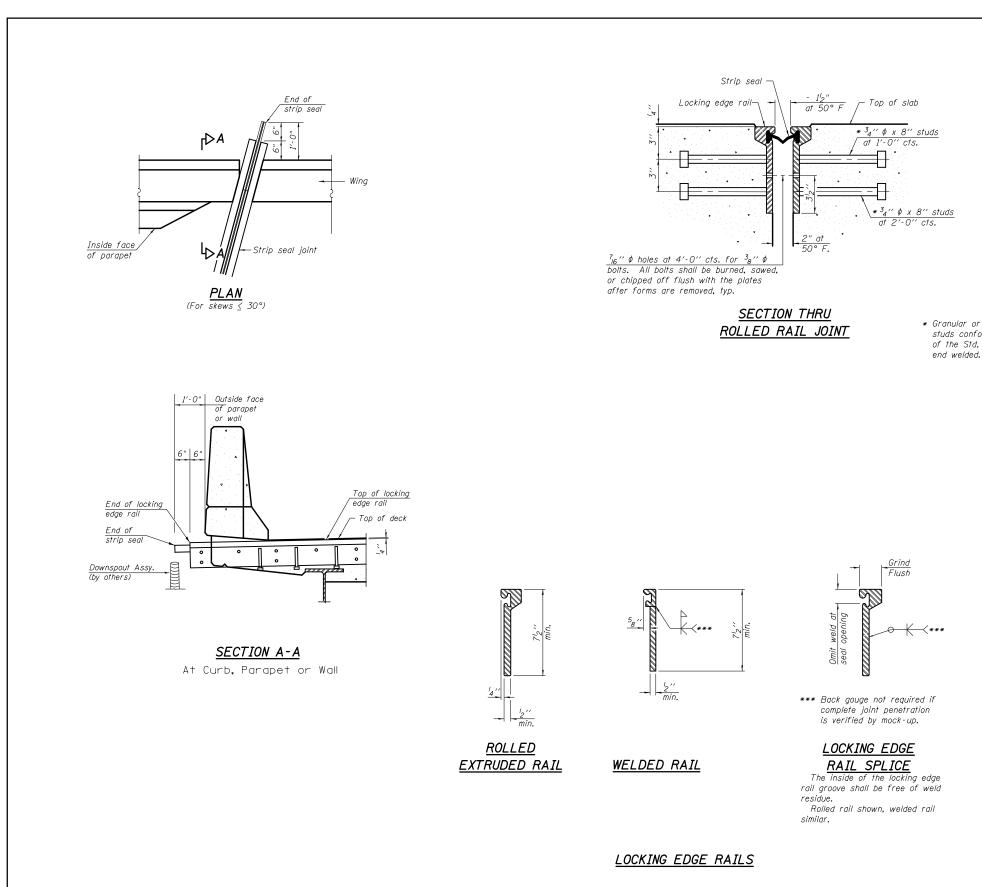
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	TJB	REVISED -	DEPARTMENT OF TRANSPORTATION	l .	S.N. 074–004	2 (EB) &	. S.N.
	PLOT DATE = 10/16/2014	DATE -	2-8-2013	REVISED -		SCALE:	SHEET 18 0	DF 28 SH	HEETS

- All repair areas are $2'-0" \times 1'-6"$, unless otherwise noted.

- The actual sizes and locations of patching shall be determined by the engineer. The Engineer shall show the actual locations of the deck repairs on this sheet.
- The existing drains and extensions shall be removed. Cost included with "Deck
- Fiberglass Pipe Shall Conform to ASTM D 2996, with Short-Time Rupture Strength
- Galvanized Clamping Device and All Stud Bolts, Washers and Nuts According to
- All Dimensions Shall be Field Verified by the Contractor Prior to Ordering of

	UNIT	TOTAL
DRAINS	EACH	40.0
LAB REPAIR (FULL DEPTH, TY I)	SQ YD	33.4

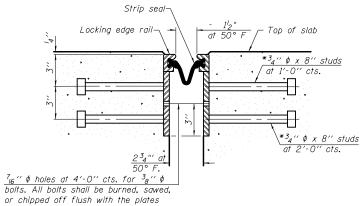
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	139
		CONTRAC	T NO. 1	70717
	ILLINOIS FED. AI	D PROJECT		
	RTE.	RTE. SECTION 74 (74-2)RS-2 & (74-3)RS-3	RTE. SECTION COUNTY 74 (74-2)RS-2 & (74-3)RS-3 PIATT	RTE. SECTION COUNTY SHEETS 74 (74-2)RS-2 & (74-3)RS-3 PIATT 310 CONTRACT NO. CONTRACT NO.



FILE NAME = DESIGNED - RTC REVISED ESS USER NAME = eaglinga PREFORMED JOINT STR STATE OF ILLINOIS c:\pw_work\pwidot\eaglinga\d0200193\D570717 Structure Repair Plans-sht.dgr DRAWN RTC REVISED ESS S.N. 074-0042 (EB) & S. PLOT SCALE = 40.0000 '/ in. CHECKED TJB REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET 19 OF 28 SHEET PLOT DATE = 10/16/2014 DATE 5/18/2012 REVISED

bolts, A or chip after f

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



after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of l_4 ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

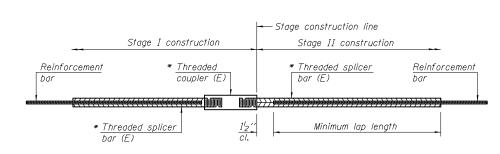
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments shall be 3_6 ''. sealed with a suitable sealant. Joints in rails within 10 ft.

sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews $>30^\circ$ included in the cost of Preformed Joint Strip Seal.

<u>BILL OF MAT</u>	<u>ERIAL</u>	
Item	Unit	Total
Preformed Joint Strip Seal	Foot	177.0

RIP SEAL DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S.N. 074–0043 (WB)		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	140	
5.14. 074-0045 (WB)				CONTRAC	T NO. 1	70717	
TS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



STANDARD BAR SPLICER ASSEMBLY

		Minin	num Lap Len	gths		
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5''	1'-11''	2'-1''	2'-4''	2'-7''	2'-11''
5	1'-9''	2'-5''	2'-7''	2'-11''	3'-3''	3′-8′′
6	2'-1''	2'-11''	3′-1′′	3'-6''	3′-10′′	4'-5''
7	2'-9''	3′-10′′	4'-2''	4'-8''	5'-2''	5′-10′′
8	3'-8''	5′-1′′	5′-5′′	6'-2''	6′-9′′	7'-8''
9	4'-7''	6′-5″	6′-10″	7'-9''	8'-7''	9′-8′′

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

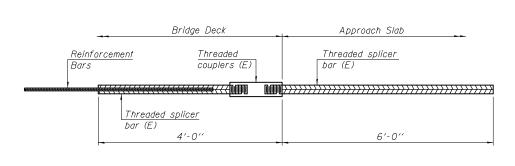
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Class CTable 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + l_2^{\prime} + thread length

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

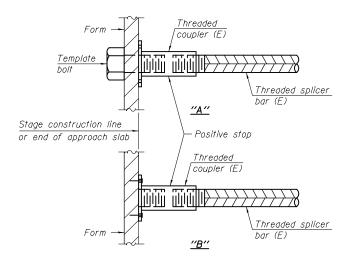
Structure No.	Location	Bar size	No. assemblies required	Table for minimum lap length
	Deck Ends	6	32	3
	Hatch Blocks	6	6	3
074-0042				
	Deck Ends	6	32	3
	Hatch Blocks	6	6	3
074-0043				



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

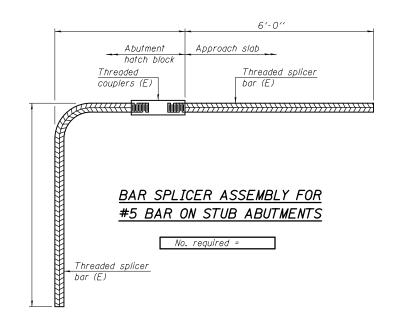
No. I	required	-

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INSTALLATION AND SETTING METHODS

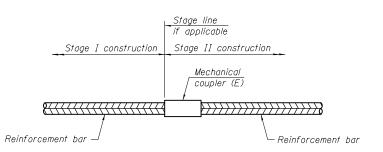
"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



BSD-1

1-27-12

FILE NAME =	USER NAME = eaglinga	DESIGNED - RTC	REVISED ESS			SUBSTRUCTURE REPAIR DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
c:\pw_work\pwidot\eaglinga\d0200193\	570717 Structure Repair Plans-sht.dgn	DRAWN - RTC	REVISED ESS	STATE OF ILLINOIS		S.N. 074–0042 (EB) & S.N. 074–0043 (WB)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 141
	PLOT SCALE = 40.0000 ' / in.	CHECKED - RTC	REVISED -	DEPARTMENT OF TRANSPORTATION		3.14. 074-0042 (EB) & 3.14. 074-0043 (WB)			CONTRAC	T NO. 70717
	PLOT DATE = 10/16/2014	DATE - 5/18/2012	REVISED -		SCALE:	SHEET 20 OF 28 SHEETS STA. TO STA.		ILLINOIS FED. AI	ID PROJECT	



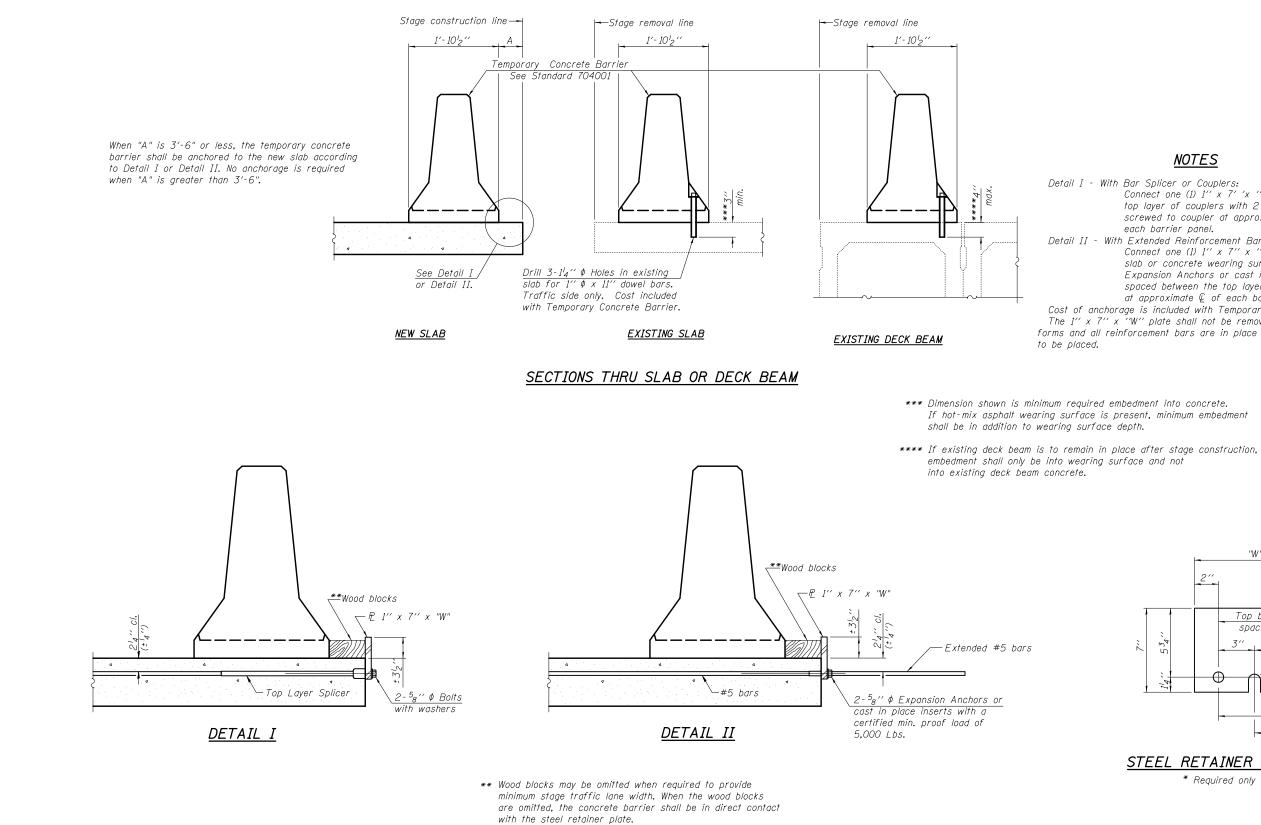
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.



"W" = Top bars spacing + 4"

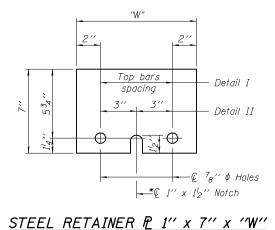
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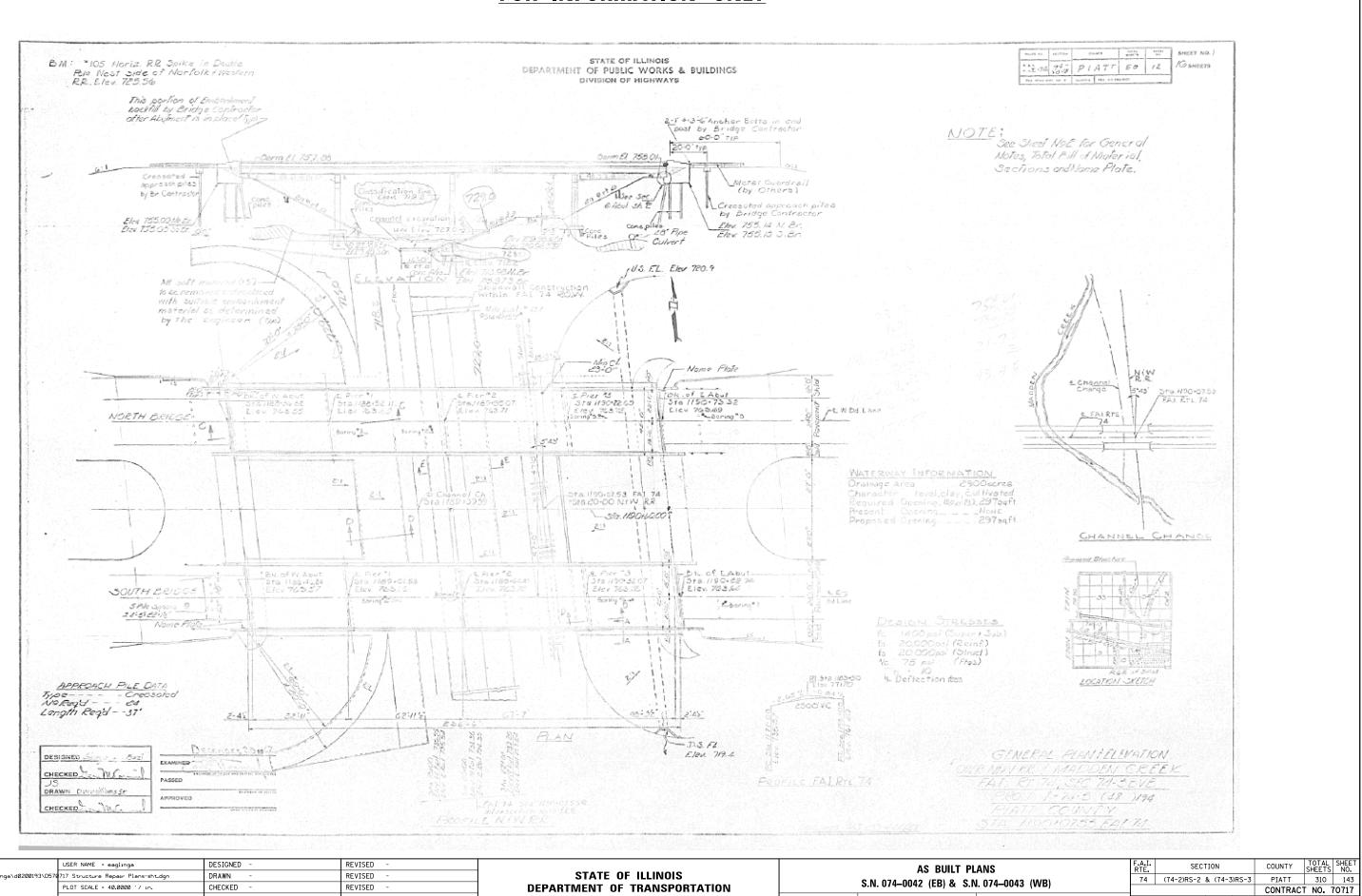
NOTES

Detail I - With Bar Splicer or Couplers: Connect one (1) 1'' x 7' 'x ''W'' steel I to the top layer of couplers with $2 \cdot \frac{5}{8}$ " ϕ bolts screwed to coupler at approximate \mathcal{Q} of each barrier panel. Detail II - With Extended Reinforcement Bars: Connect one (1) $1'' \times 7'' \times ''W''$ steel \mathbb{P} to the concrete slab or concrete wearing surface with 2- ${}^{5}\!\!8^{\prime\prime}$ ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate € of each barrier panel. Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready



* Required only with Detail II

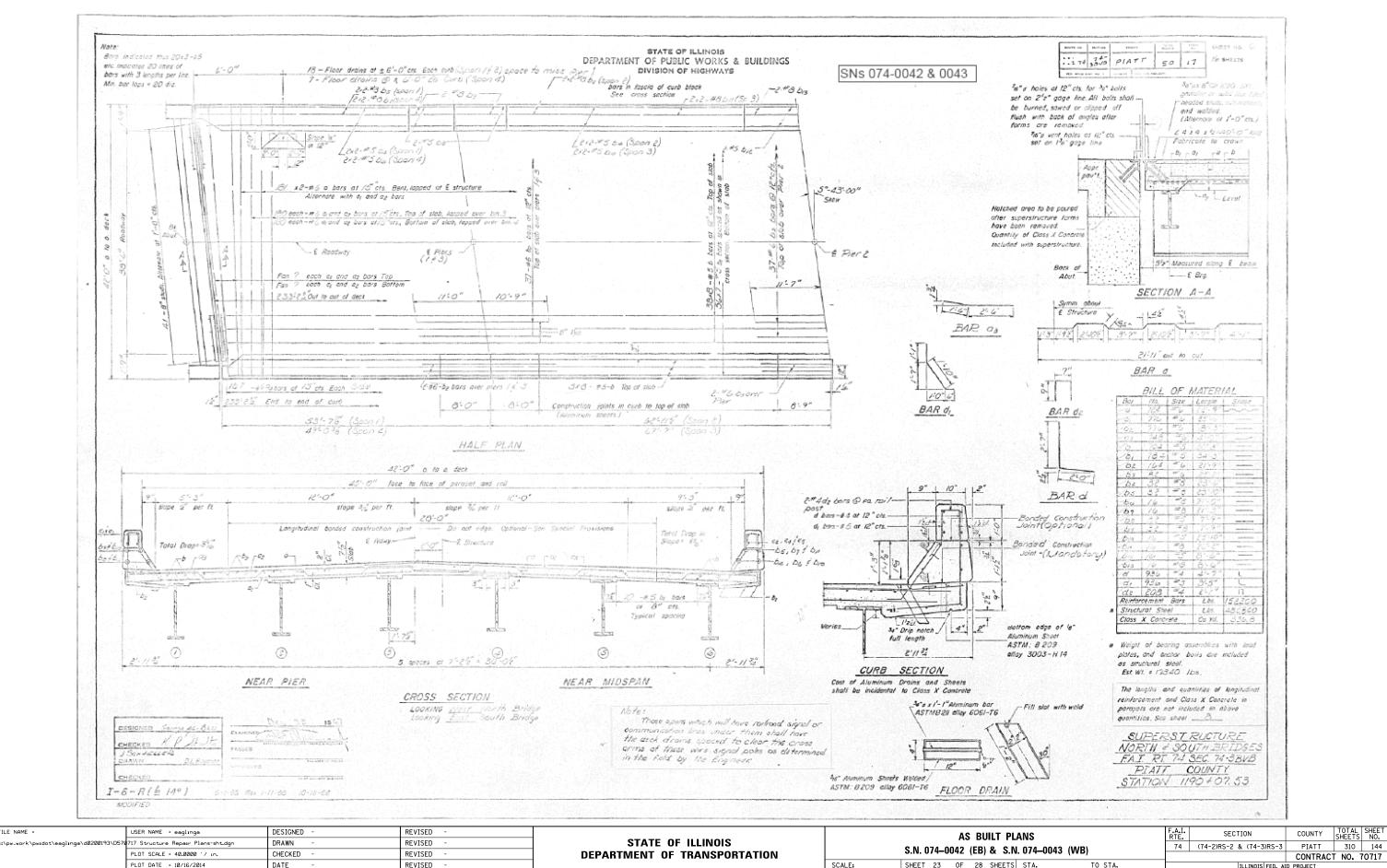
FOR STAGE	CONSTRUCTION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N. 074–0043	(M/B)	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	142
14. 074-0045	(***)			CONTRAC	T NO. 1	70717
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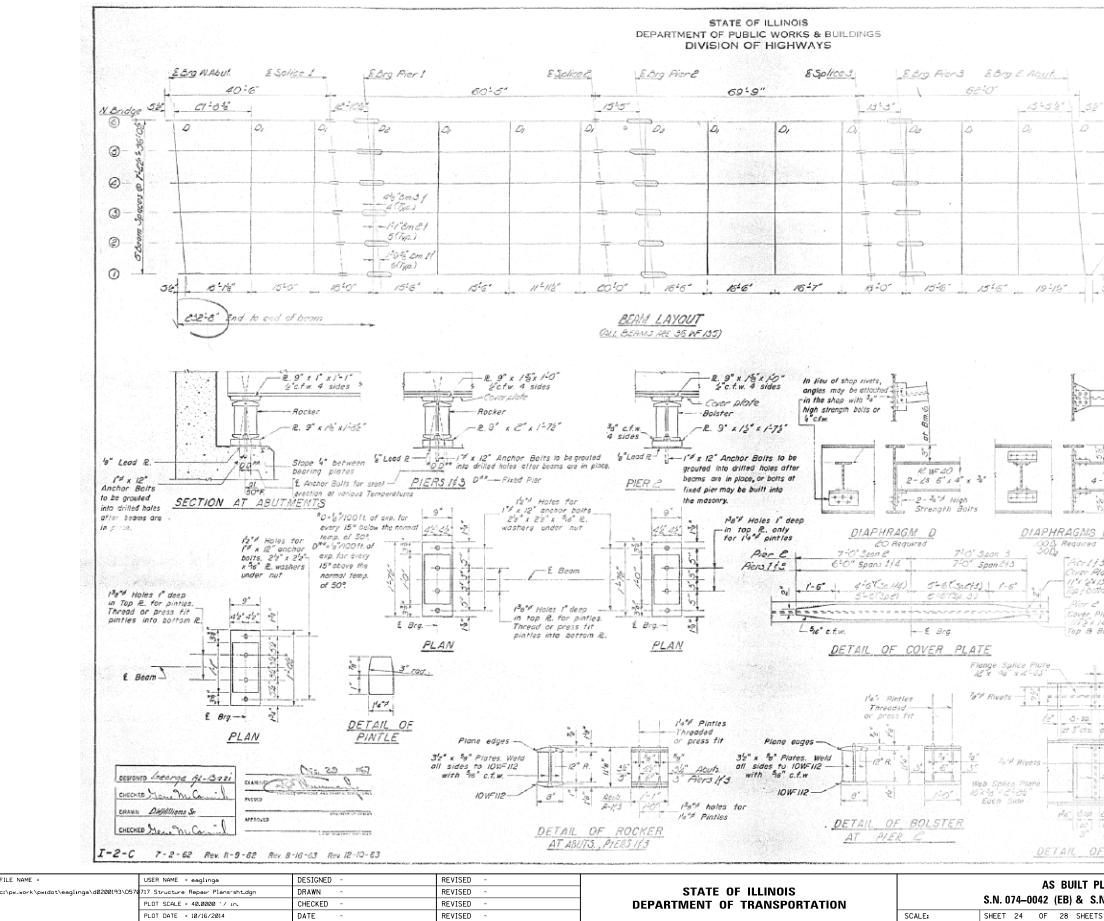
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	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET	22	0F	28 SHEET	S STA.

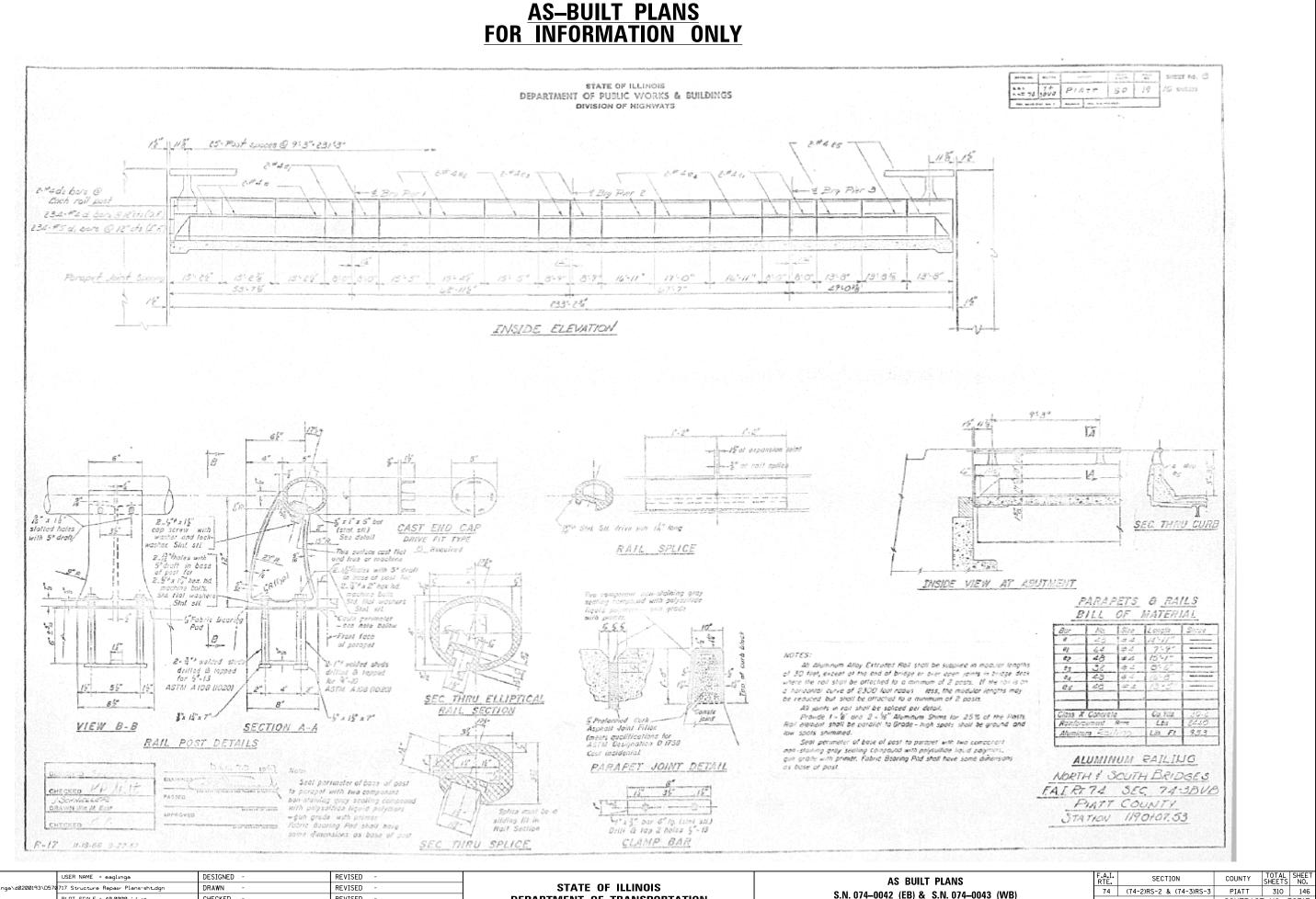


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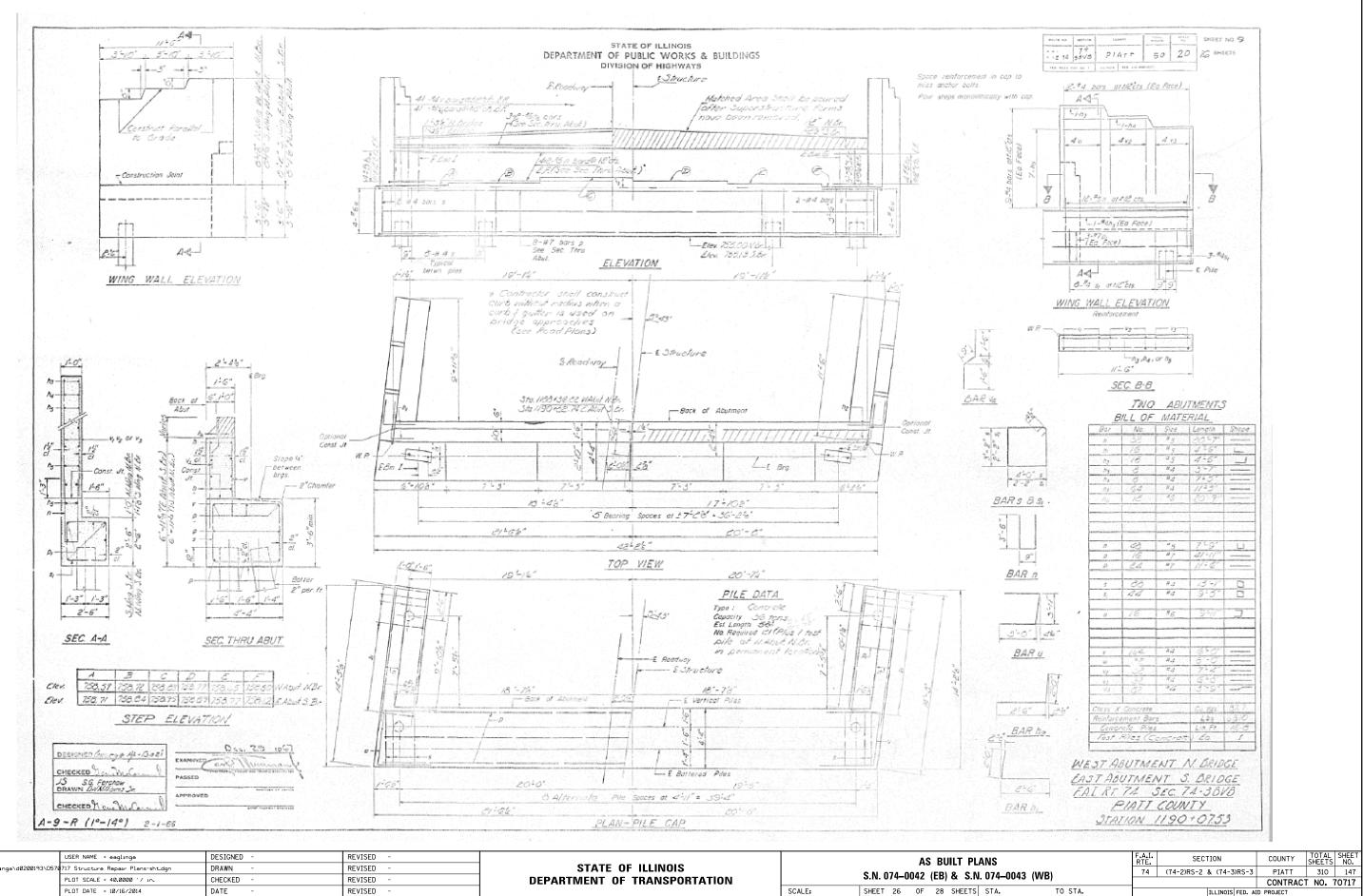


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S.N. 074–0043	(WB)		74	(74-2)RS-2 8	k (74-3)RS-3	-		310 145 NO. 70717
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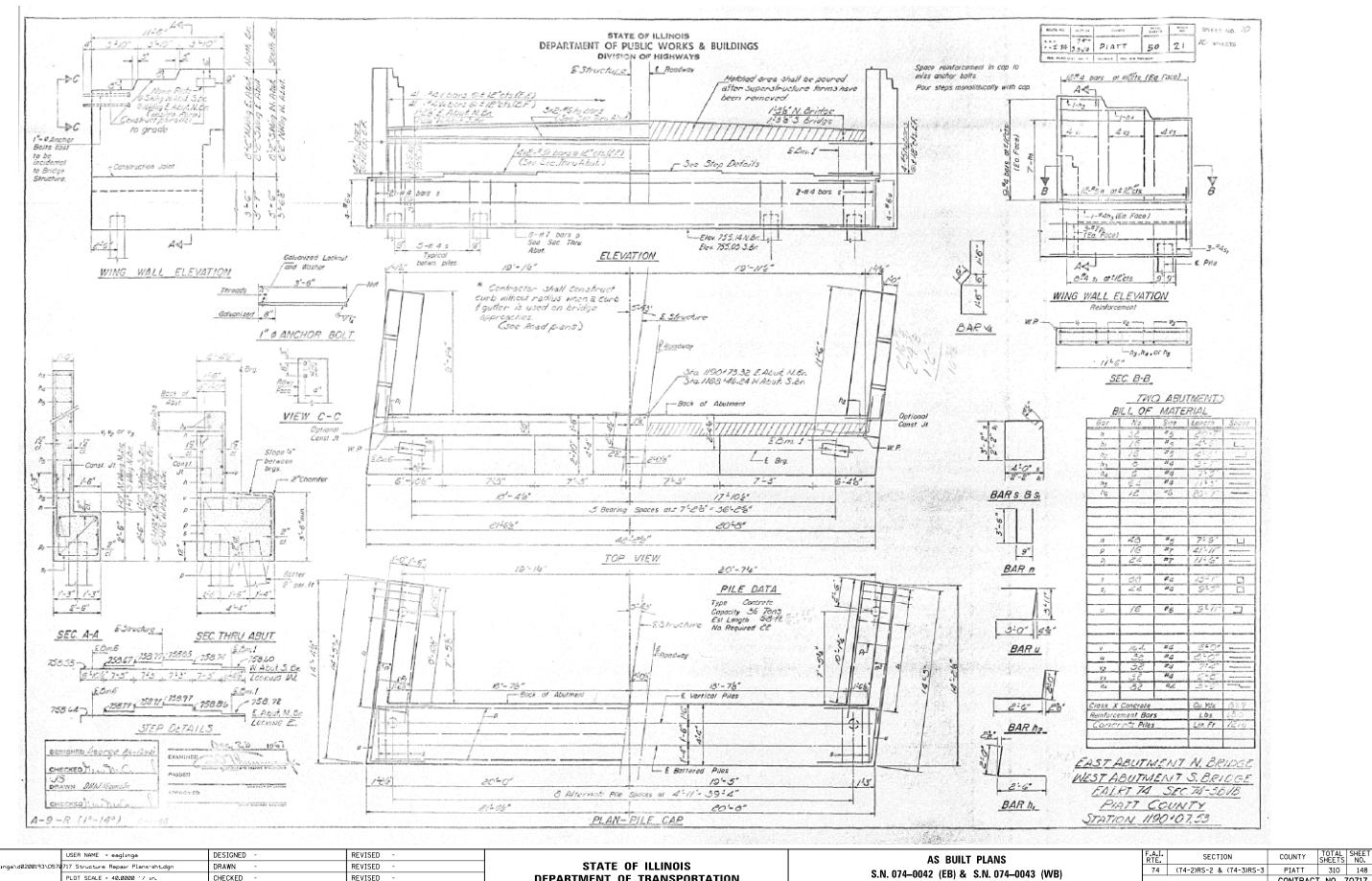


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	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0042 (EB) & S.N. 074–0043 (WB)			CONTRAC	T NO. 7	70717
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 25 OF 28 SHEETS STA. TO STA.		ILLINOIS FED. AI			



ILLINOIS FED. AID PROJECT

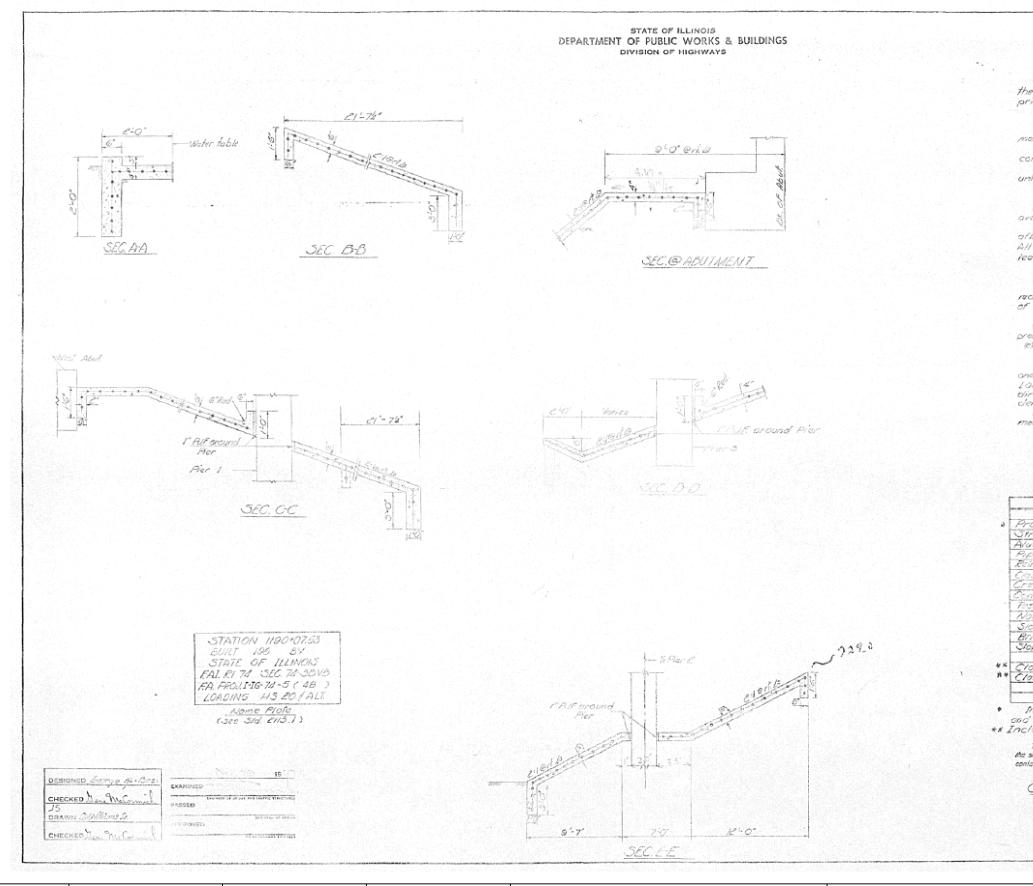
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	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 26 OF 28 SHEETS



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	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 27 OF 28 SHEETS

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	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–0042 (EB) & S.N.
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 28 OF 28 SHEETS

BOATS 241-	1147201	400-N77	POTION	14-0_2 · · ·	SHEET NO.2
	74-38-00	PIATT	50	/3	16 BREETS
n. n. j. 14	38-00				12.1.4

GENERAL NOTES

The embankment contiguration chann chall be the minimum embankment that must be aurolousted prior to construction of the abutments.

Stope Wall shall be reinforced with welded wire Fabric 6:6 mesh, weighing 664per 100 sq.11. Layout of Stopewolls may be varied to suil ground conditions in the Field as directed by the Engineer. All perforcement bars shall be lapped 64 diameters unless otherwise shown.

Rivels of a gran lates of unless otherwise noted. Anchor bolls shall be set before fastening displacing ma over supports.

aver supports. Liposed Surfaces of the expansion devices, inaccessible after gradion, shall receive find shap coals of red lead paint All other surfaces shall be given one shap coal of red lead paint Anchor studs shall not be painted.

Licept as atherwise provided all structural steel shall receive one shap coal of rod lead saint and two hiddeas of Aluminum paint.

Concrete allos at abutmants shall be driven in heles precared thru the embankment in accordance with Article \$13.09 (e)of standard specifications.

The Contractor sholl drive three concrete test piles one each of M. Abut M. Editore, Fier 1 East Leand Lane and, PSN. Ed. Lanz, in permanent locations as directed by the Engineer sefare ordering the remain-der of piles. Excertion for partients of Structures in the embonk-ment shall not be classified.

	PLER STRFCSS	H MAY PERMIT	CE 57AN XA: CO COULUS	WEID WILDING OF CONSTRUCT GR FMR & DISTURCE OF \$ OF GR FIR \$ DISTURCE OF \$ OF FIRE \$ DISTURCES OF FIRE FIRE \$ DISTURCES OF FIRE FROMED BY THE ENGLISH.
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Includes application on instale vertical race, top and exposed and of aputaent wings.
 ** Includes excertain for Stops walls.

The concrete rail section above the mondatory construction juint at the top of the slab shall be constructed of Class X Concrete, except the opgregates shall conform to the requirements of Handroil Concrete.

GENERAL PLANIFELEVATION DETAIL FAT RT 74 SEC. 743BVB PROJ.116-74-5 (48) PIATT COUNTY STA 1120107.53

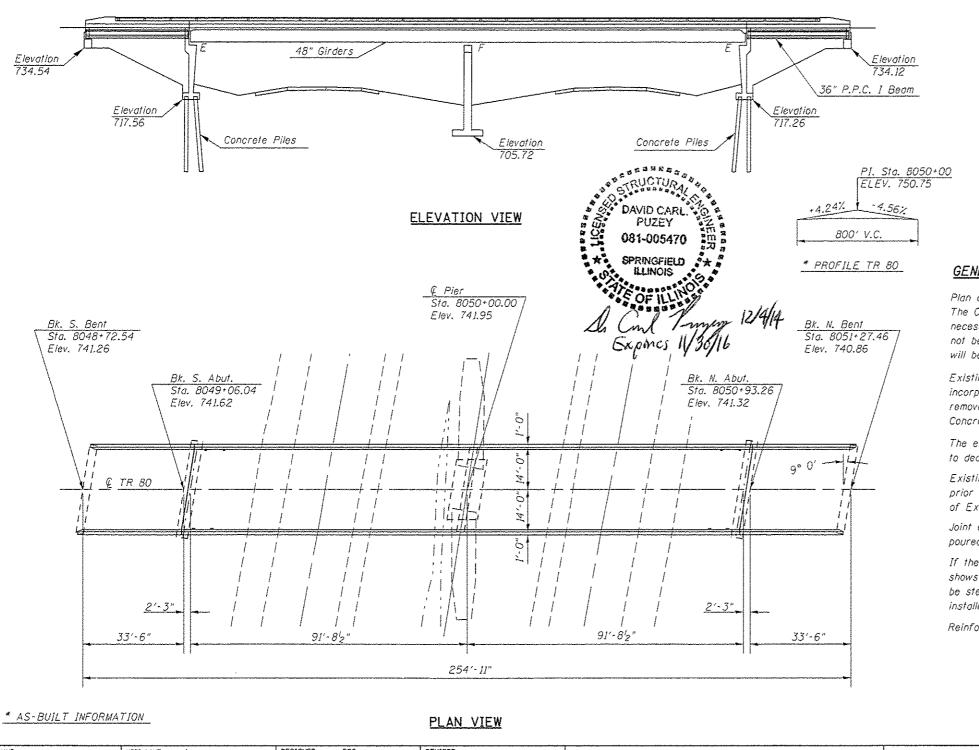
HEETS NO.
310 149
NO. 70717

Structures 074-0040 was built in 1970 as FAI-74 (EB), Section 74-2HB at Station 1007+69,76 by the State of Illinois in Piatt County. The structure consist of approach spans of 33'-6" and two main spans of $91'-8^{1}_{2}$ ". The main spans of the structure consist of 7^{1}_{2} " reinforced concrete deck on 48" steel plate girders. The approach spans of the structure consist of a 7_2^{l} reinforced concrete deck of 36" PPC I-Beams. The spans are on a spread footing supported pier and concrete pile supported abutments.

The existing structures have a back to back of approach length of 254'-11", an out to out width of 30'-0", and a roadway clear width of 28'-0". The structures are skewed 9°-00' left forward.

Method of Construction: ROAD CLOSURE





PROPOSED WORK

- 2.
- 3
- 4.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU YD	0.5
FLOOR DRAINS	EACH	4.0
CONCRETE SUPERSTRUCTURE	CU YD	1.1
PROTECTIVE COAT	SO YD	10.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,480.0
REINFORCEMENT BARS, EPOXY COATED	POUND	450.0
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	8.0
ANCHOR BOLTS, 1"	EACH	16.0
JACK AND REMOVE EXISTING BEARINGS	EACH	8.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	2.8
SILICONE JOINT SEALER, 1.50"	FOOT	60.0

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

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

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

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

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

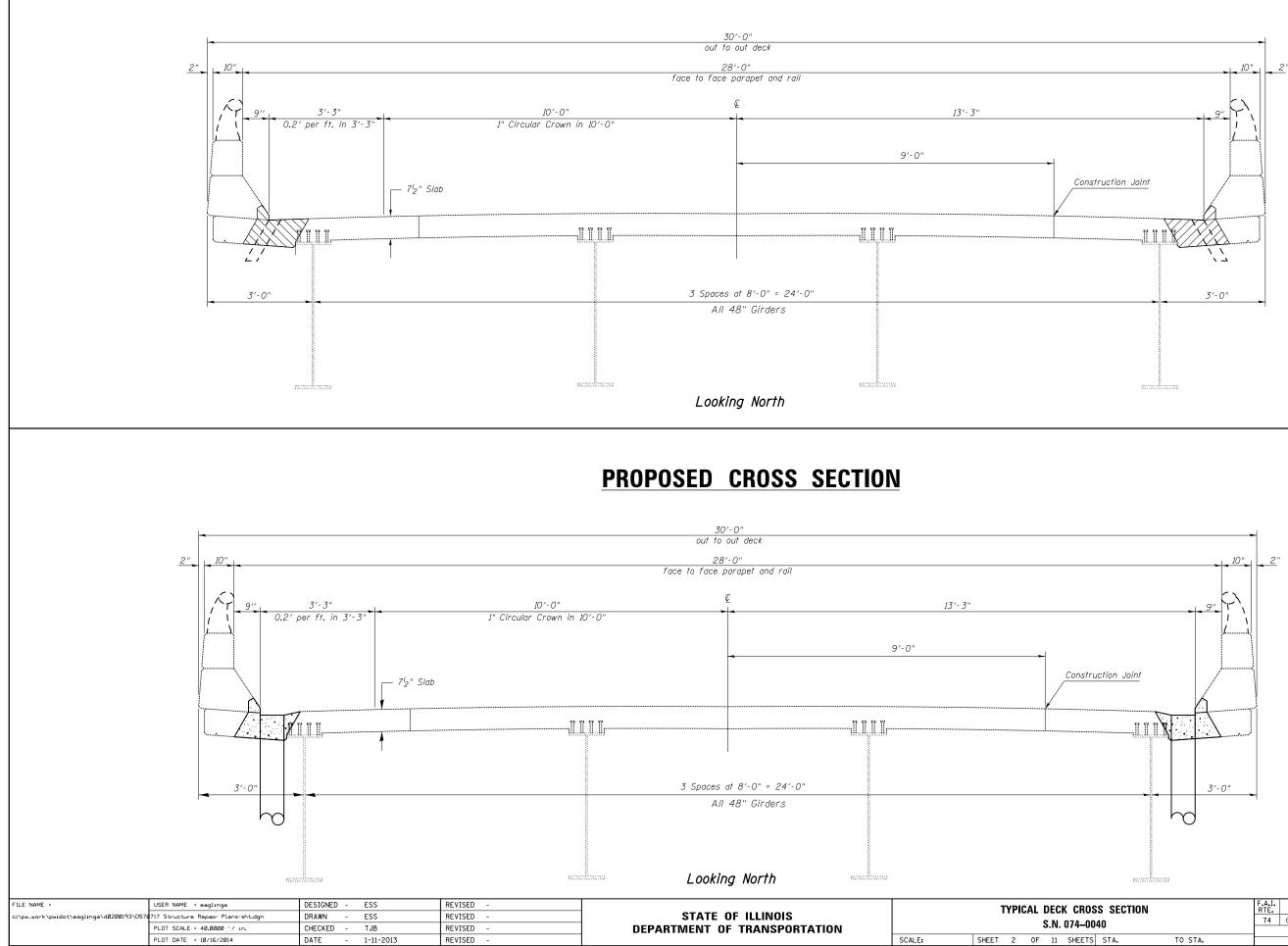
If the analysis submitted to the Contractor for the Jacking/Temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If the stiffeners are not required, hardwood timbers shall be installed tightly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

Reinforcement bars designated (E) shall be epoxy coated.

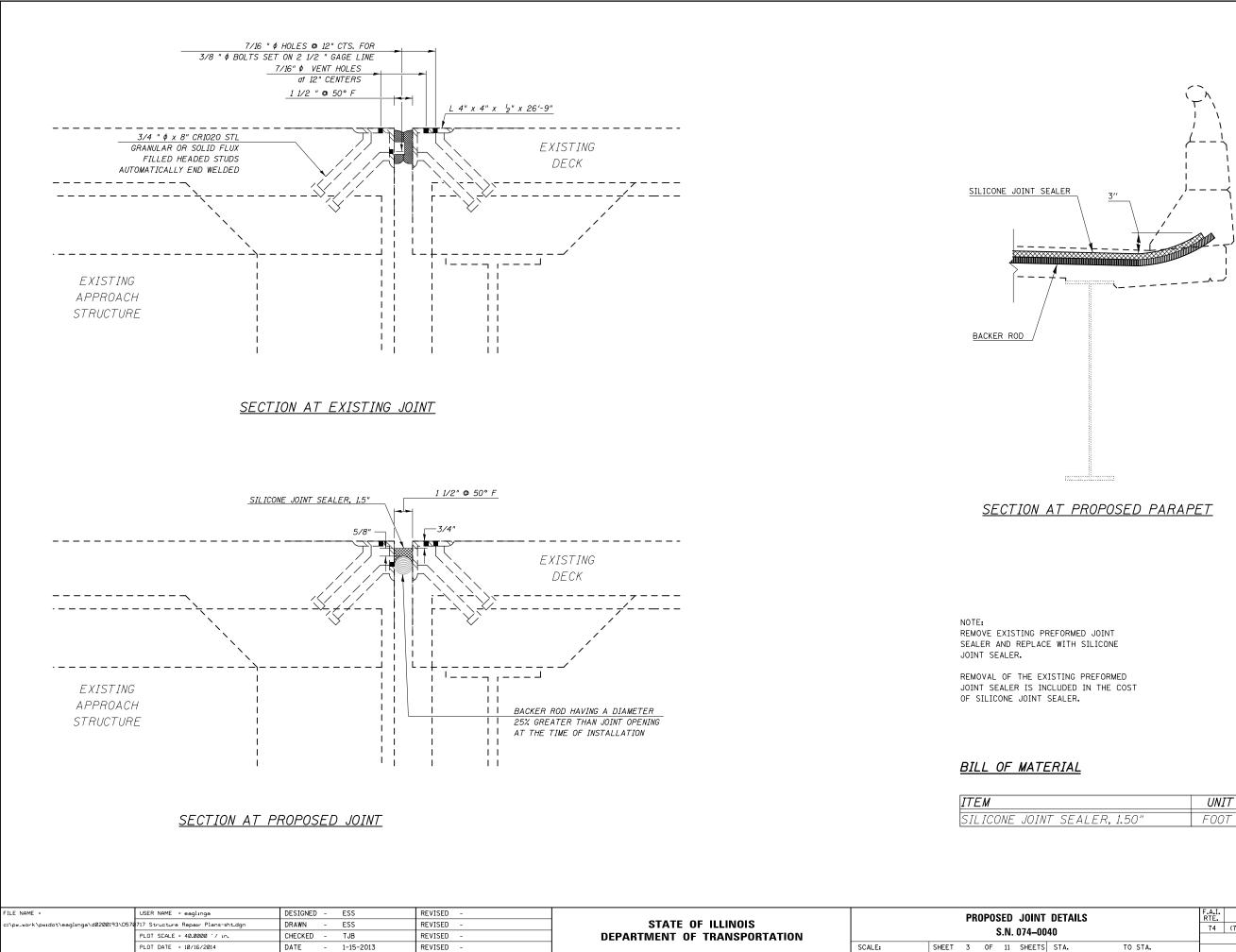
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	PLOT SLALE * 48.0230 / in. PLOT CATE = 10/16/2014	DATE - 1-10-2013	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.	CONTRACT NO. 70717

Perform Full-Depth Patching at Drains. Place new Floor Drains. Replace Existing Bearings with Elastomeric Bearings at Abutments. Removal of Existing Preformed Joint Sealer. 5. Place Silicone Joint Sealer. 6. Construct Wingwall Extentions,

EXISTING CROSS SECTION

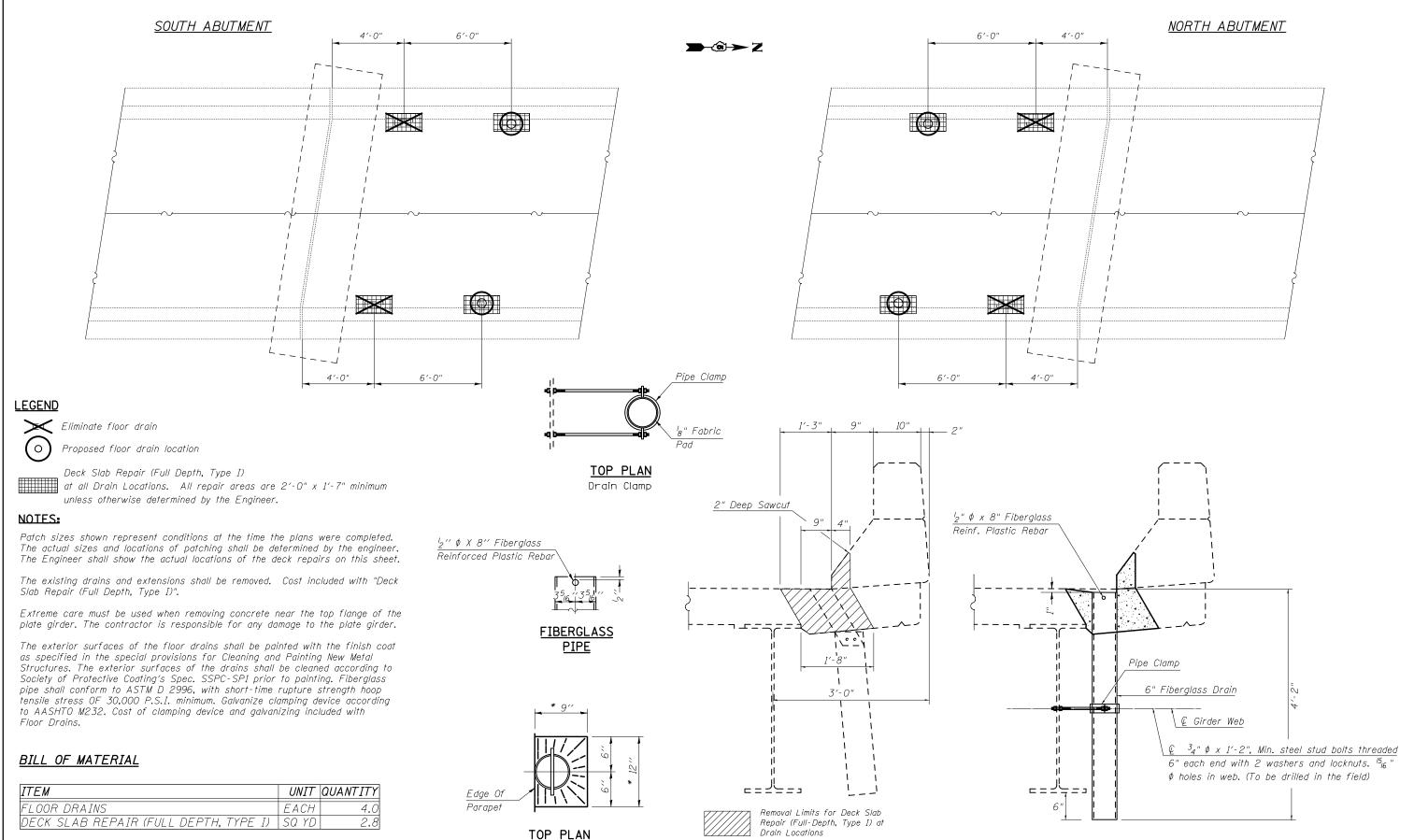


DSS SECTION		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		(74-2)RS-2 & (74-3)RS-3	PIATT	310	151
040			CONTRAC	T NO. 1	70717
S STA. TO STA.		ILLINOIS FED. AI	D PROJECT		



	UNIT	QUANTITY
NT SEALER, 1.50"	FOOT	60.0

IT DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0040		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	152	
00	40				CONTRAC	T NO. 7	70717
TS STA. TO STA.				ILLINOIS FED. AI	D PROJECT		-

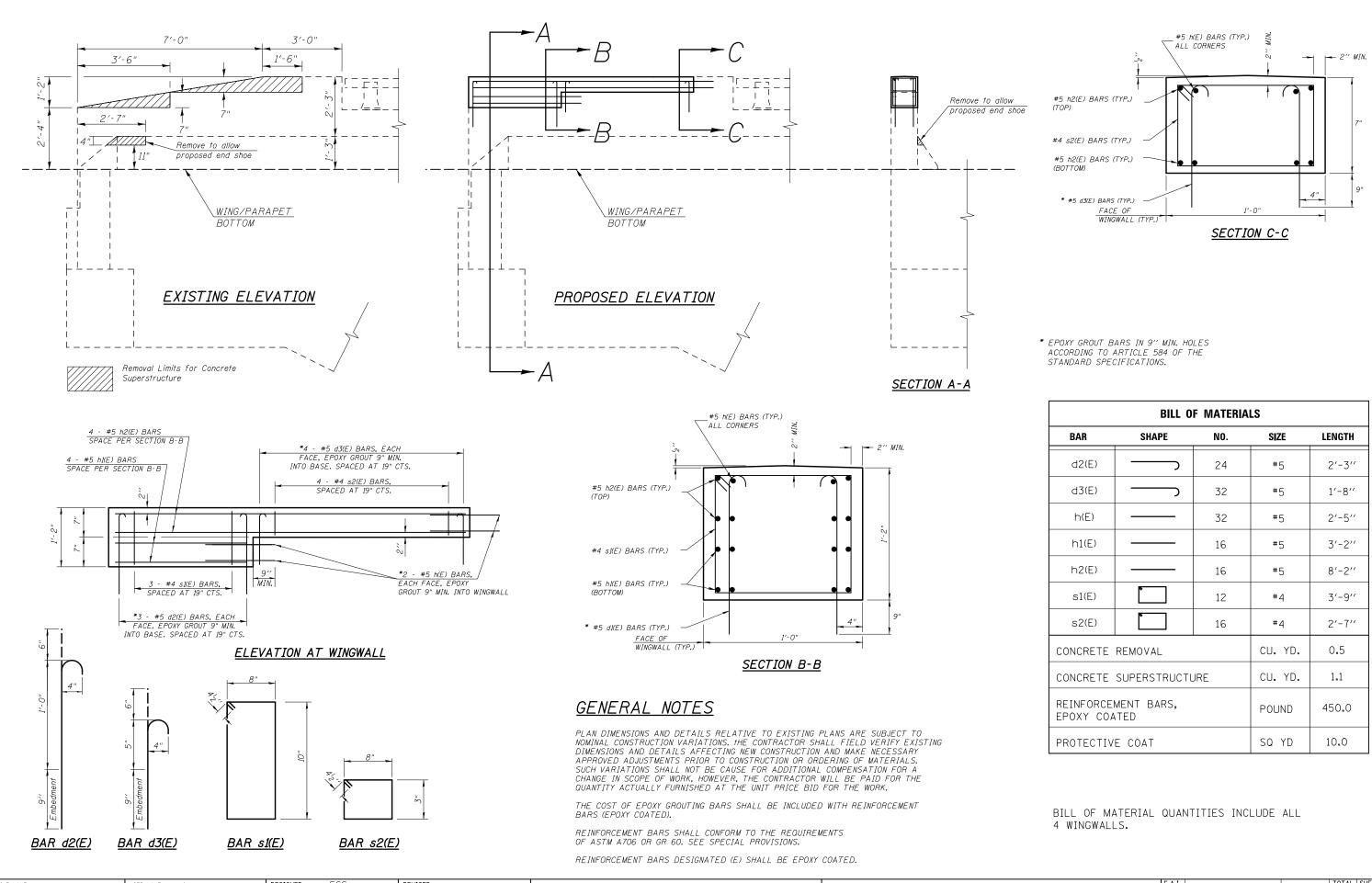


* SLOPE TO DRAIN

<u>EXISTING</u>

FILE NAME =	USER NAME = eaglinga	DESIGNED - ESS	REVISED -		SUPERSTRUCTURE PLAN – DRAIN DETAIL		F.A.I.	SECTION	COUNTY	TOTAL SHEET	
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS		S.N. 074–0040		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 153
	PLOT SCALE = 40.0000 '/ in.	CHECKED - TJB	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT	T NO. 70717
	PLOT DATE = 10/16/2014	DATE - 1-17-2013	REVISED -		SCALE:	SHEET 4 OF 11 SHEETS STA	. TO STA.		ILLINOIS FED. AI	PROJECT	

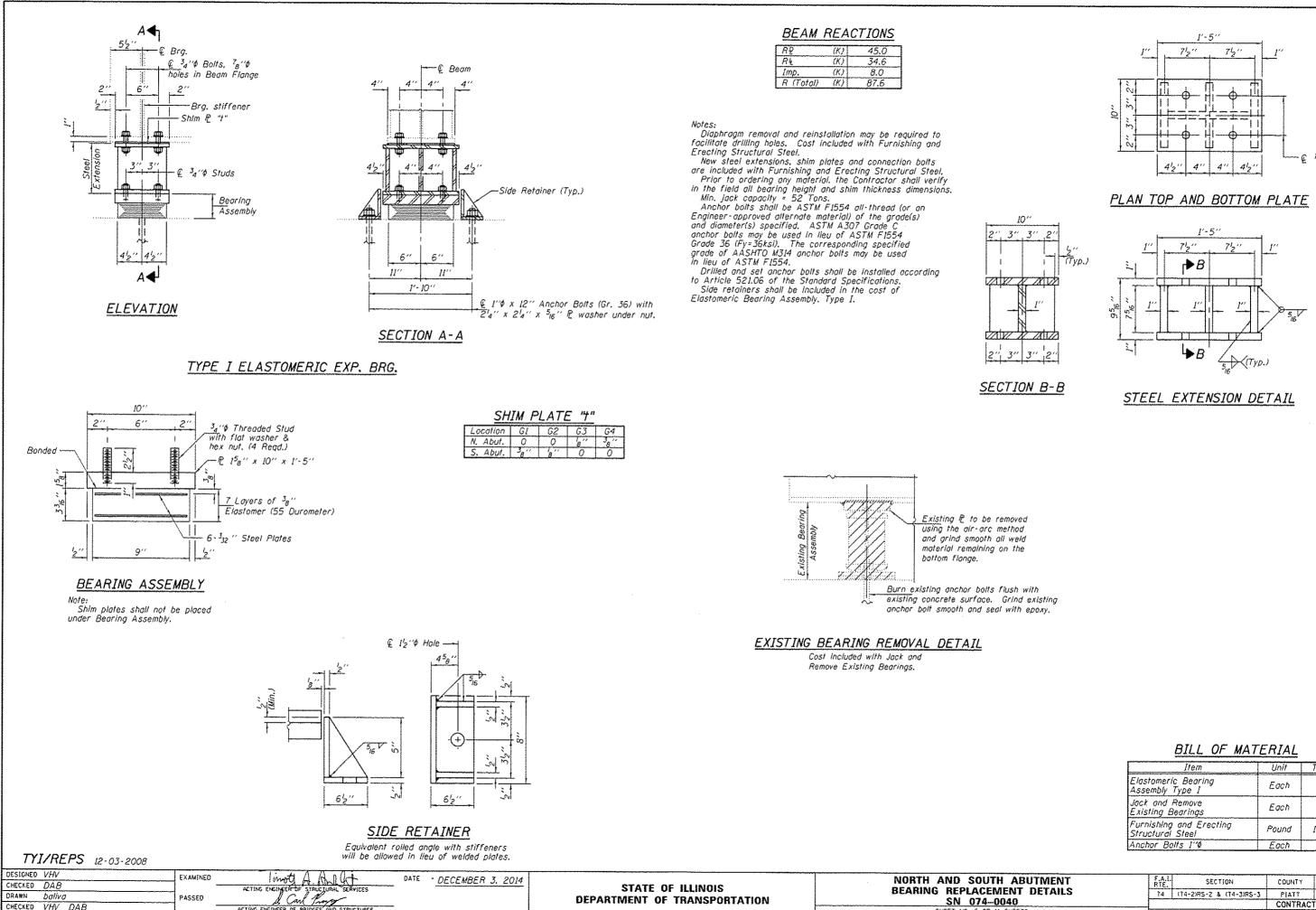
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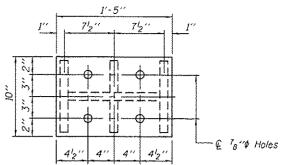
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c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	ESS	REVISED -	STATE OF ILLINOIS	VVII	IGWALL L			
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	TJB	REVISED -	DEPARTMENT OF TRANSPORTATION	1		5.1	N. 074–0	.040
	PLOT DATE = 10/16/2014	DATE -	2 - 12 - 2013	REVISED -		SCALE:	SHEET 5	0F 11	SHEET	S S

	BILL OF MATERIALS										
BAR	SHAPE	NO.	SIZE	LENGTH							
d2(E)		24	#5	2'-3''							
d3(E)		32	#5	1'-8''							
h(E)		32	#5	2'-5''							
h1(E)		16	#5	3'-2''							
h2(E)		16	#5	8'-2''							
s1(E)		12	#4	3'-9''							
s2(E)		16	#4	2'-7''							
CONCRETE	REMOVAL		CU. YD.	0.5							
CONCRETE	SUPERSTRUCTL	CU. YD.	1.1								
REINFORCE EPOXY COA	MENT BARS, Ated	POUND	450.0								
PROTECTIV	E COAT		SQ YD	10.0							

COUNTYTOTAL
SHEETSSHEET
NO.PIATT310154 RTE. SECTION TYPE 6 GUARDRAIL 74 (74-2)RS-2 & (74-3)RS-3)40 CONTRACT NO. 70717 STA. TO STA. ILLINOIS FED. AID PROJECT

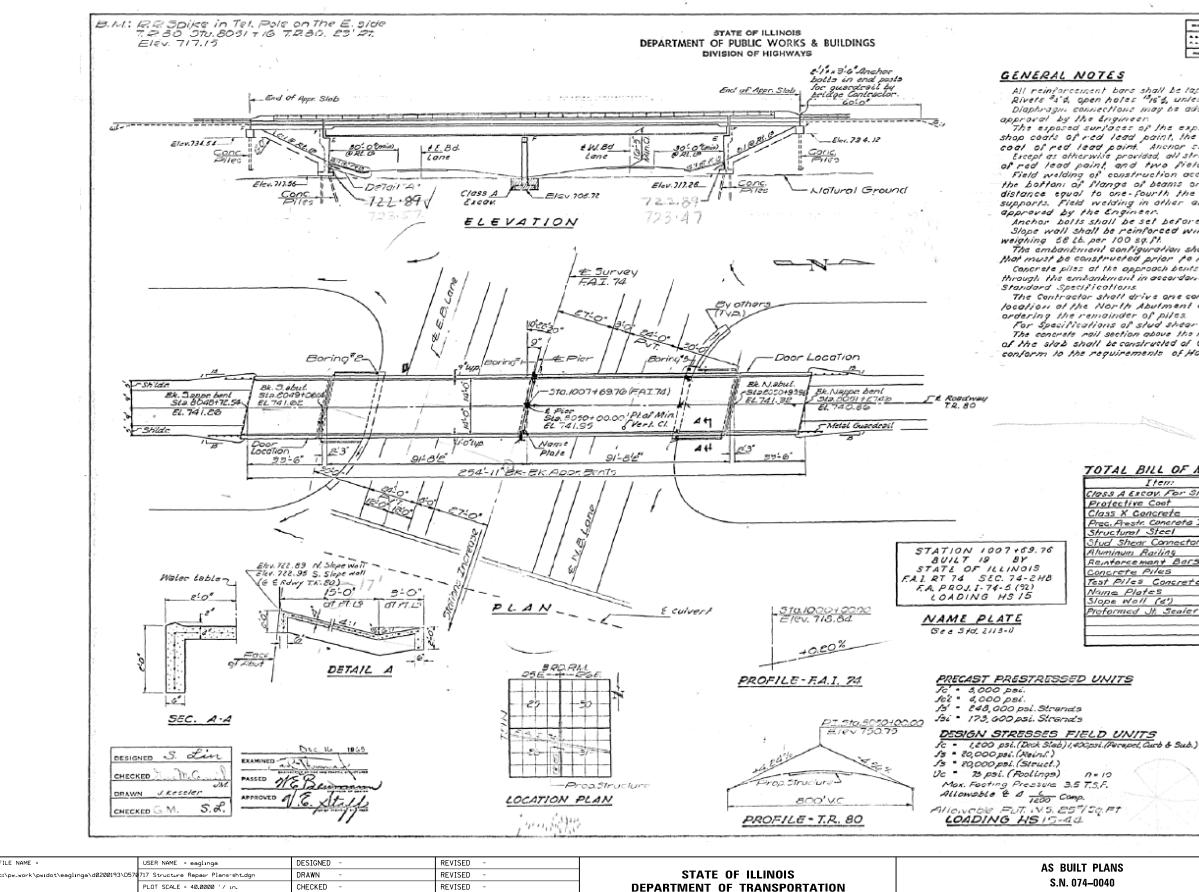


SN 074-00 SHEET NO. 6 OF 11



Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1480
Anchor Bolts 1'4	Eoch	16

					1
H ABUTMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
IENT DETAILS	74	174-2185-2 & (74-3185-3	PLATT	310	155
040	1		CONTRAC	T NO. T	70717
SHEETS		ILLINOIS FED. 41	D PROJECT		
					·



FILE NAME

PLOT DATE = 10/16/2014

DATE

REVISED

B278 54	-	COLUMN T		-	80. 60.	SHEET NO. /
1.74	74-3 <i>1</i> B	PIATT		37	10	15 SHEETS
-				0.40.		

All reinforcement bars shall be lapped 24 dia unless otherwise noted. Rivets ^as^ad, open holes ¹⁴16'd, unless otherwise noted. Diaphragm connections may be adapted to shop welding subject to

opported by the Engineer. The exposed surfaces of the expansion guard shall be girsh two shop coals of red lead point, the contact surfaces shall be girsh two coal of red lead point. Anotor stude shall not be pointed. Except as otherwise provided, all structural steel shall receive one shop of red lead point, and two field coals of point See Spect. Prov. for field point. Side welfing of construction accessories will not be constructed in

Field welding of construction accessories will not be permitted in The bottom of flange of beams or girders nor on the top flange for a distance equal to one-fourth the span length each way from the pier

Supports. Flad welding in other areas will be permitted only when approved by the Engineer. Anchor bolls shall be set before riveling diaphragms over supports. Slope wall shall be reinforced with welded wire fabric 6%6 mesh, weighing 88 Lb. per 100 sg.ft.

The embankment configuration shown shall be the minimum embankment Mat must be constructed prior to the construction of the abutments. Concrete piles at the approach bents shall be driven in holes precored through the embankment in accordance with Article 513.09 (c) of the

The Contractor shall drive one concrete test pile in a permanent location at the North Abutment as directed by the Engineer before

ordering the remainder of piles. For Specifications of stud shear connectors see Special Provisions. The concrete roll section above the mandatory construction joint of the top of the stab shall be constructed of Class & Concrete, except the aggregates shall

conform to the requirements of Handrail Concrete.

TOTAL BILL OF MATERIAL

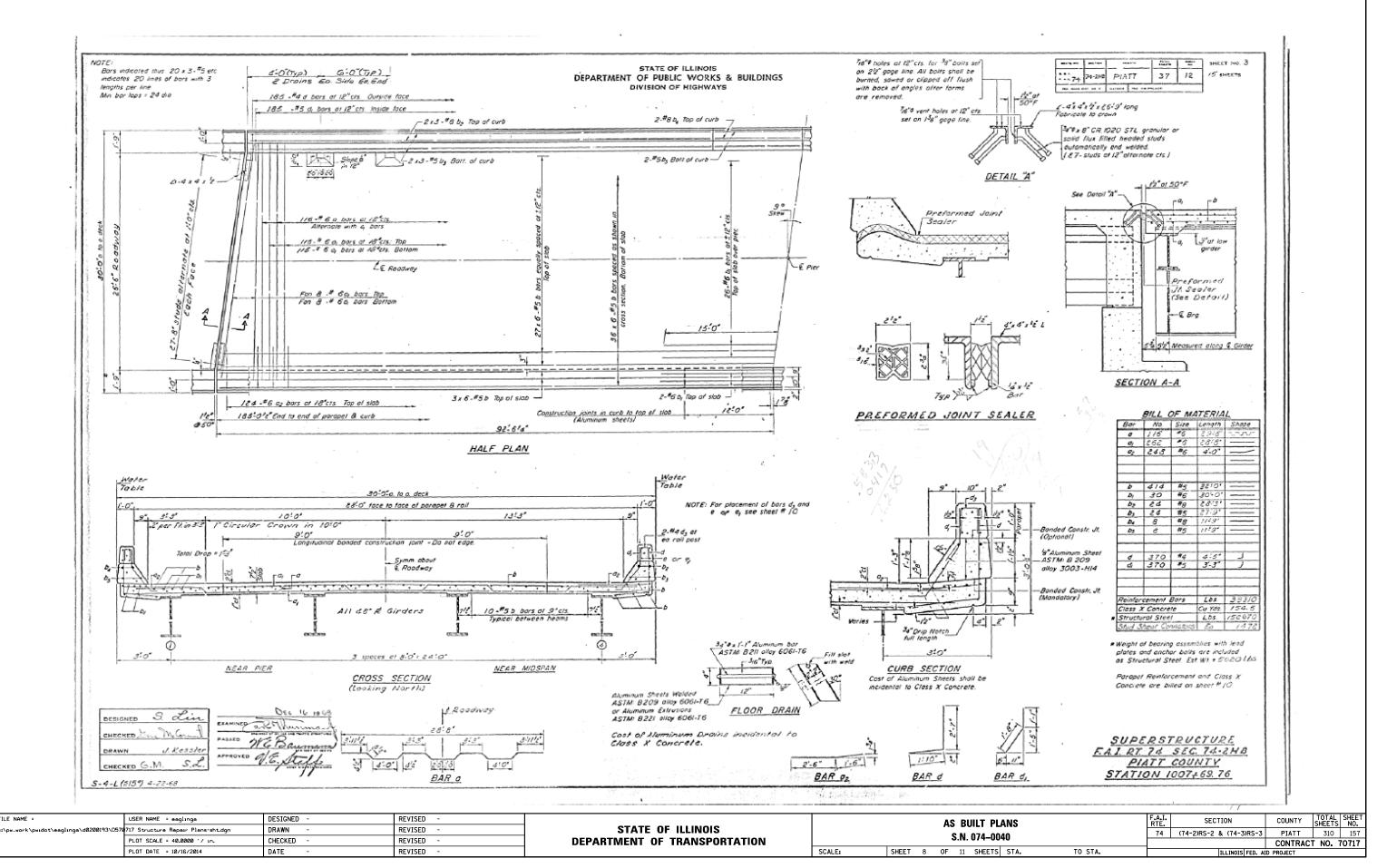
Item	Unit	Super	346	Tolal
983 A Excov. For Structures	CU. Yde		120	120
Protective Coot	Sq. 100.	950		950
lass X Concrete	Cu. Yds		233.8	480.0
rec. Frestr. Concrete I-Beam 36	Lin.Ft.	269		269
tructural Steel	Lbs	154160		154160
tud Shear Connectors	Ea.	. 1472		1472
luminum Railing	Lin Ft.	467		d67
cintorcement Bars	265,	55250	20350	75600
oncrete Piles	Lin.Ft.		1028	/028
st Piles Concrete	60.		/	/
ame Plates	Eo.			/
lope Wall (d')	Sq. Yds.		180	180
oformed Jt. Sealer	Lin Ft.	60		60

SCALE:

SHEET 7 OF 11 SHEET

GENERAL PLAN & ELEVATION 1=10 PROJECT 1-24-5 (92)/60 T.R.80 OVER F.A.T. RT. 74 SECTION 74-2418 PJATT COUNTY STATION 1007 + 69.76 11

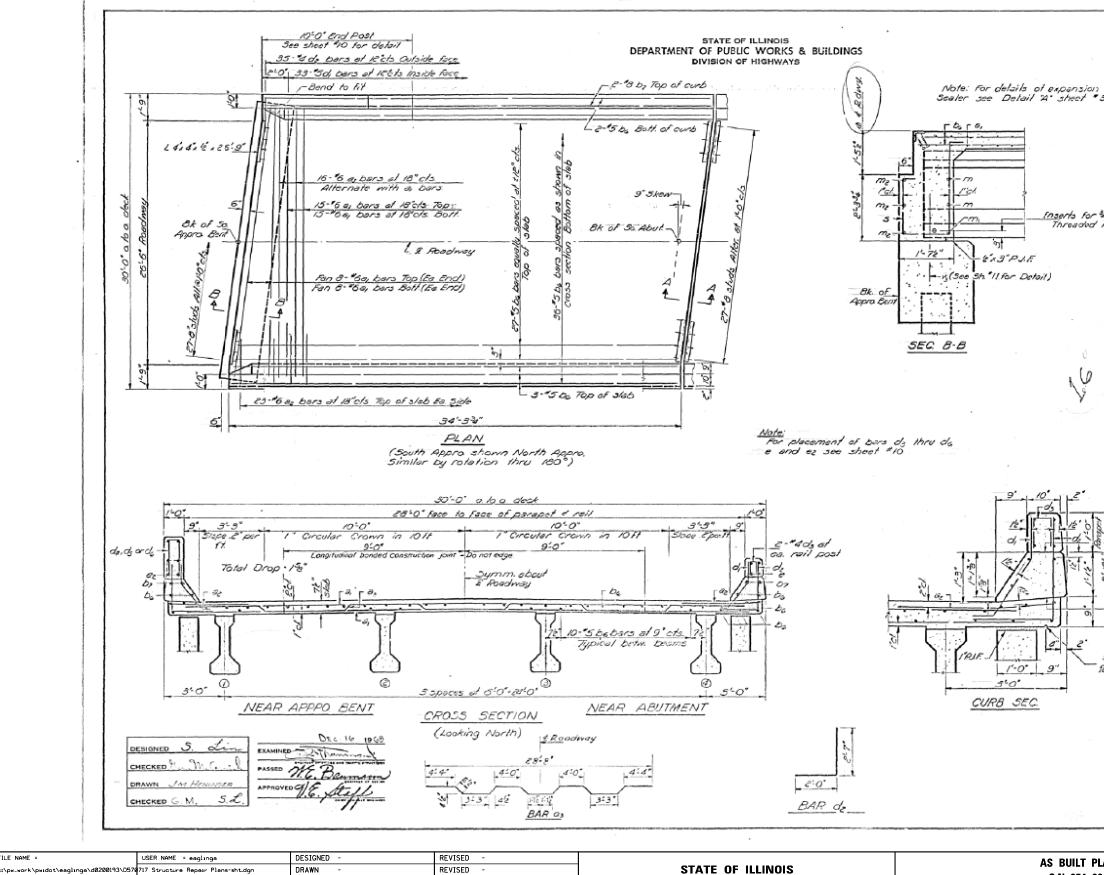
PLANS 0040		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	156				
CONTRACT NO.				70717						
TS	STA.	TO STA.	ILLINOIS FED. AID PROJECT							



FILE NAME =

DEPARTMENT OF TRANSPORTATION

SCALE:



FILE NAME =

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 10/16/2014

CHECKED

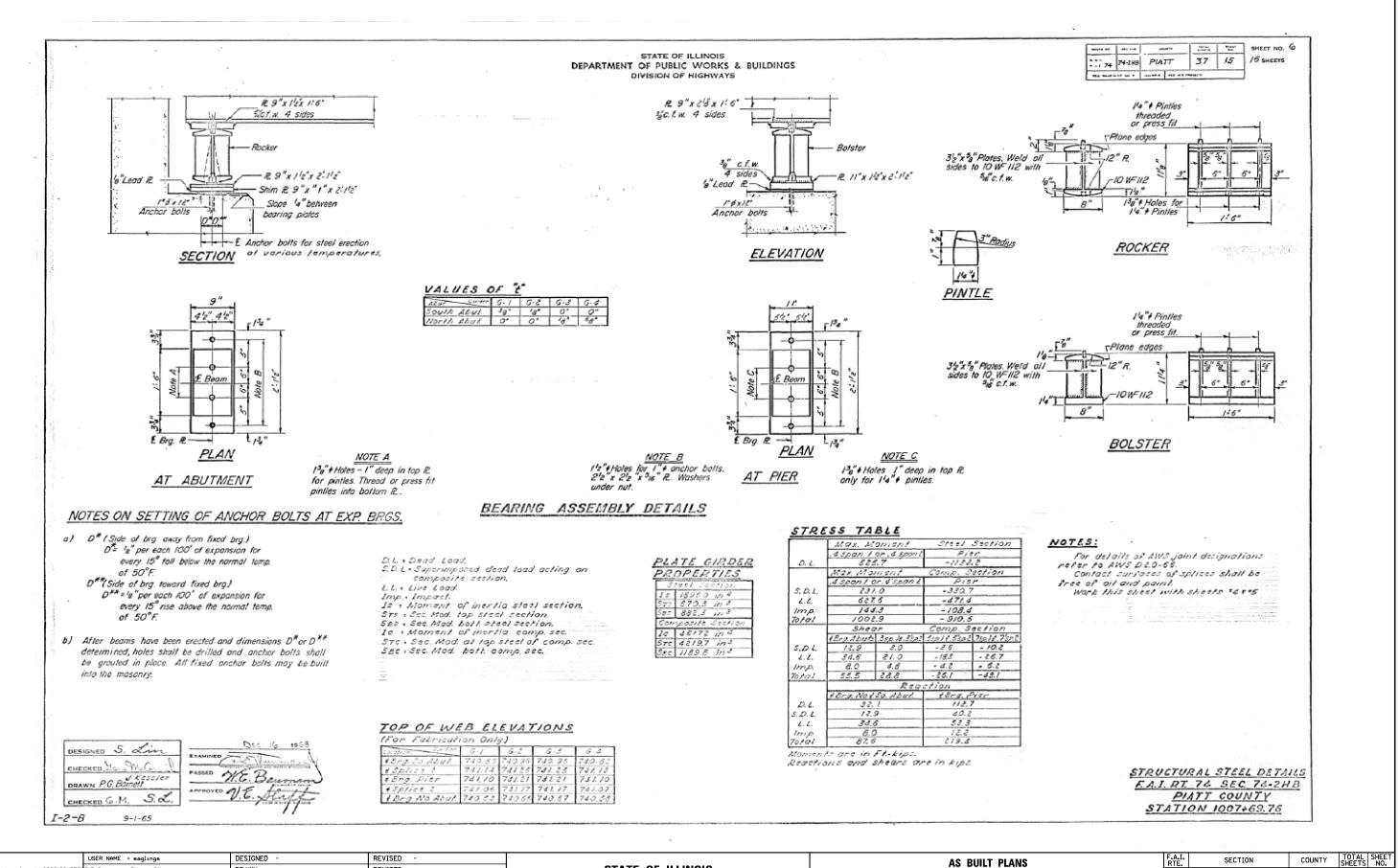
DATE

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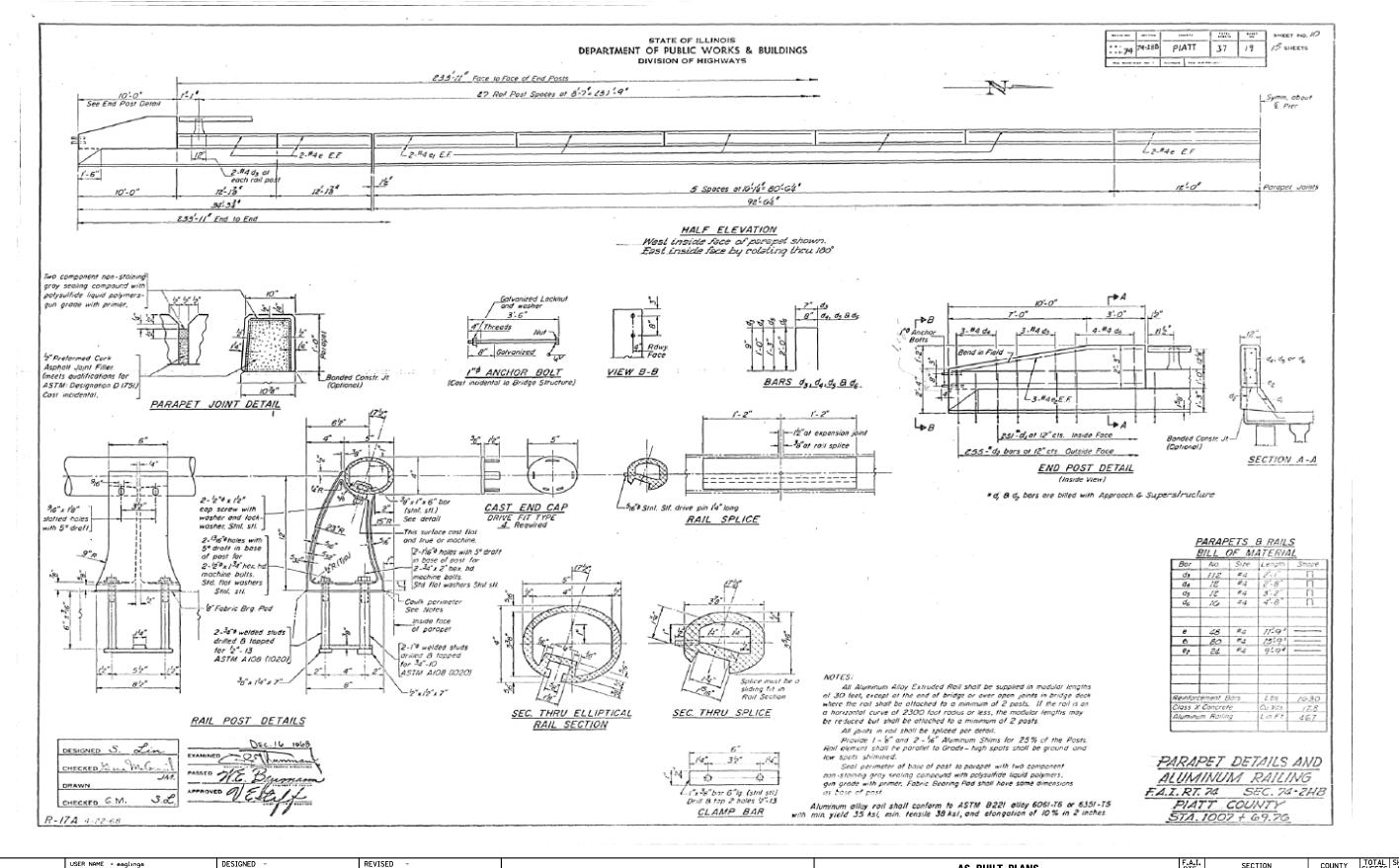
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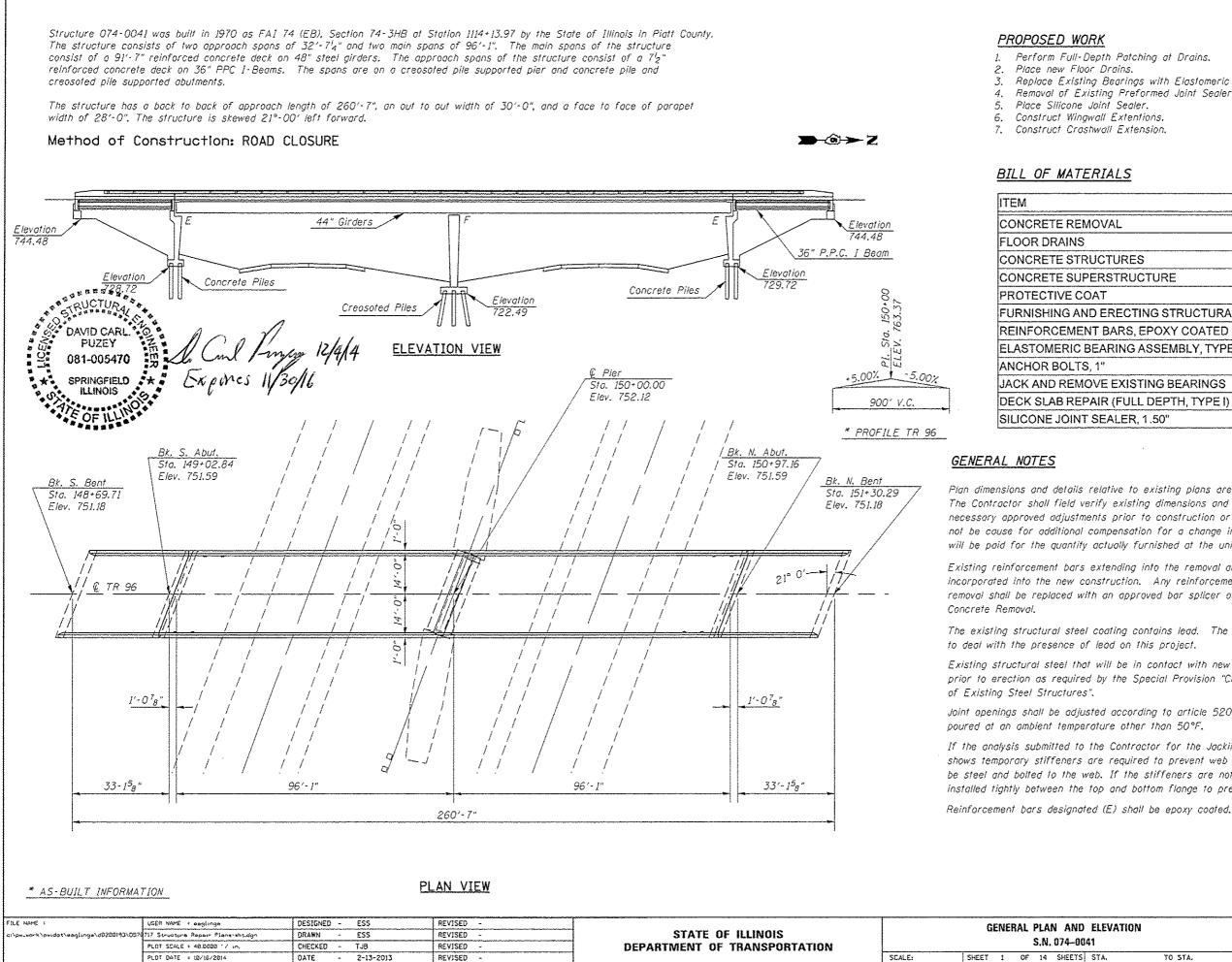
For details of expansion angles (Proformed Joint see Detail 2 sheet * 3.	
Souther Constructions	TWO APPR. SPANS BILL OF MATERIAL No. Sice (Lenth) Shapes 1/24 *6 28'' 1/24 *6 28'' 2 *6 29'' 32 *6 29'' 3 146 *5 39'' 3 146 *5 39'' 3 146 *5 39'' 3 146 *5 39''' 3 146 *5 39''' 4 16''' 5'''' 1 5 6 4'''' 1 5 5''''' 1 1 5 6'''' 1 1 5 6'''' 1 1 7 12 5 5'''' 1 12 *5 5'''' 1 1 12 *5 5'''' 1 1 95 *4 7''''' 1 1
AS BUILT PLANS	F.A.I. SECTION COUNTY TOTAL SHEET NO. TA (74-2)BS-2 & (74-3)BS-3 PLATE 310 158
S.N. 074-0040 SHEET 9 OF 11 SHEETS STA. TO STA.	74 (74-2)RS-2 & (74-3)RS-3 PIATT 310 158 CONTRACT NO. 70717 ILLINOIS/FED. AID PROJECT



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c:\pw_work\pwidot\eaglinga\d0200193\D57	0717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS				74	(74-2)RS-2 & (74-3)RS-3	PIATT		159
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074-0040 SCALE: SHEET 10 OF 11 SHEETS STA. TO STA.				CONTRAC	T NO. 707		
	PLOT DATE = 10/16/2014	DATE -	REVISED -				STA. TO STA.		ILLINOIS FED. AI	ID PROJECT		-
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C1:\pwwork\pwidot\eaglinga\d0200193\D57 717 Structure Repair Plans-sht.dgn DRAWN REVISED REVISED STATE OF ILLINOIS PLOT SCALE = 40.0000 '/ n. CHECKED REVISED REVISED - REVISED - Tot SCALE - Tot SCALE - - 01.02.00 10.02.00 1	FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -	STATE OF ILLINOIS	AS BUILT PLANS			SECTION	COUNTY	TOTAL SHEET
	c:\pw_work\pwidot\eaglinga\d0200193\D57	70717 Structure Repair Plans-sht.dgn	DRAWN -						(74-2)RS-2 & (74-3)RS-3	PIATT	310 160
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	5.N. 074–0040			8	CONTRACT NO. 70	
		PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 11 OF 11 SHEETS STA. TO STA.		ILLINOIS FED. A		



Perform Full-Depth Patching at Drains. Replace Existing Bearings with Elastomeric Bearings at Abutments. Removal of Existing Preformed Joint Sealer. Construct Wingwall Extentions.

	UNIT	QUANTITY
MOVAL	CUYD	0.5
3	EACH	4.0
RUCTURES	CUYD	3.9
PERSTRUCTURE	CUYD	1.1
OAT	SQ YD	24.0
ND ERECTING STRUCTURAL STEEL	POUND	1,460.0
NT BARS, EPOXY COATED	POUND	840.0
BEARING ASSEMBLY, TYPE I	EACH	8.0
S, 1"	EACH	16.0
IOVE EXISTING BEARINGS	EACH	8.0
PAIR (FULL DEPTH, TYPE I)	SQYD	2.8
T SEALER, 1.50"	FOOT	64.0

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

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

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions

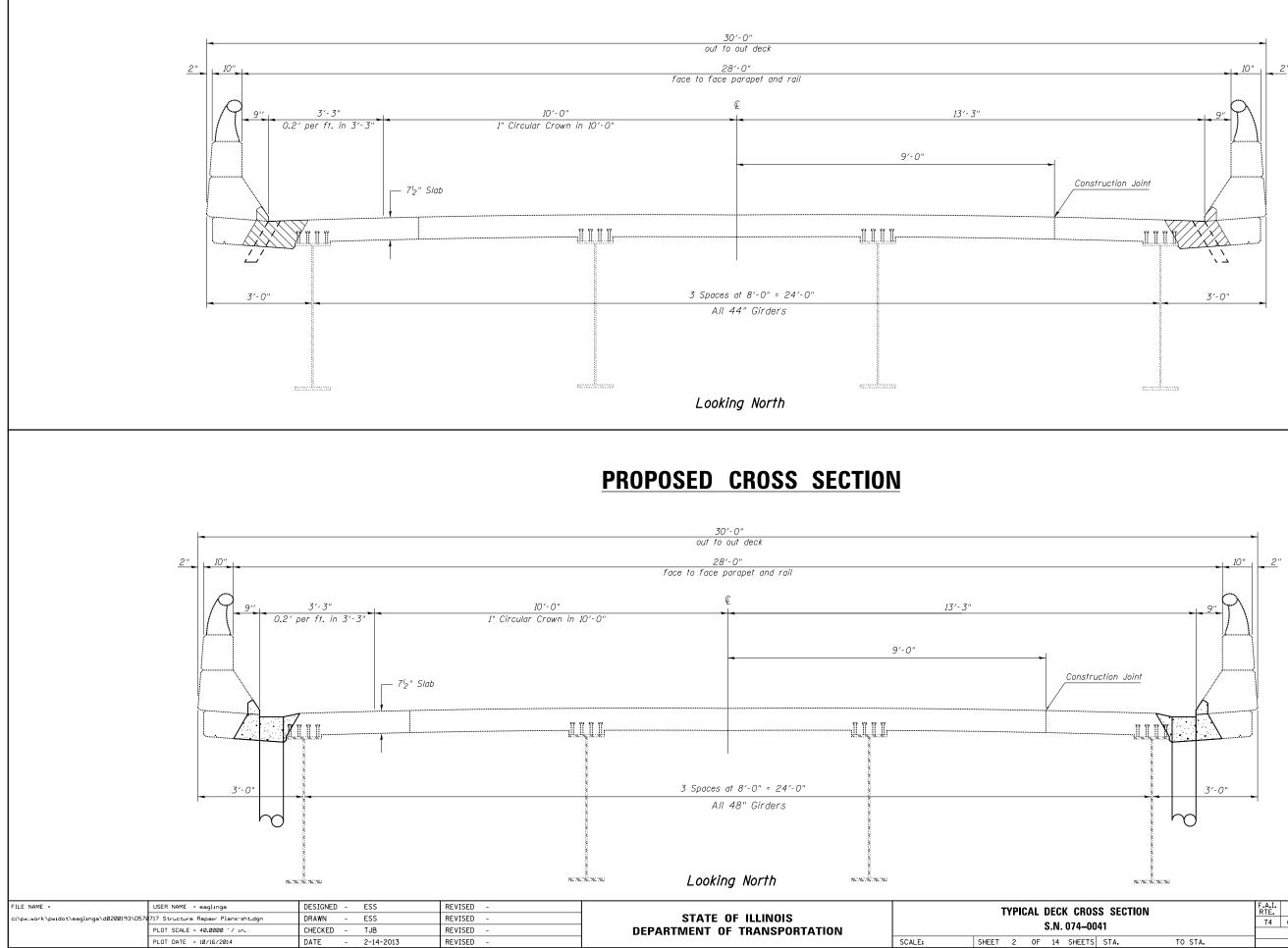
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas

Joint openings shall be adjusted according to article 520.04 of the Std. Specs. when the deck is

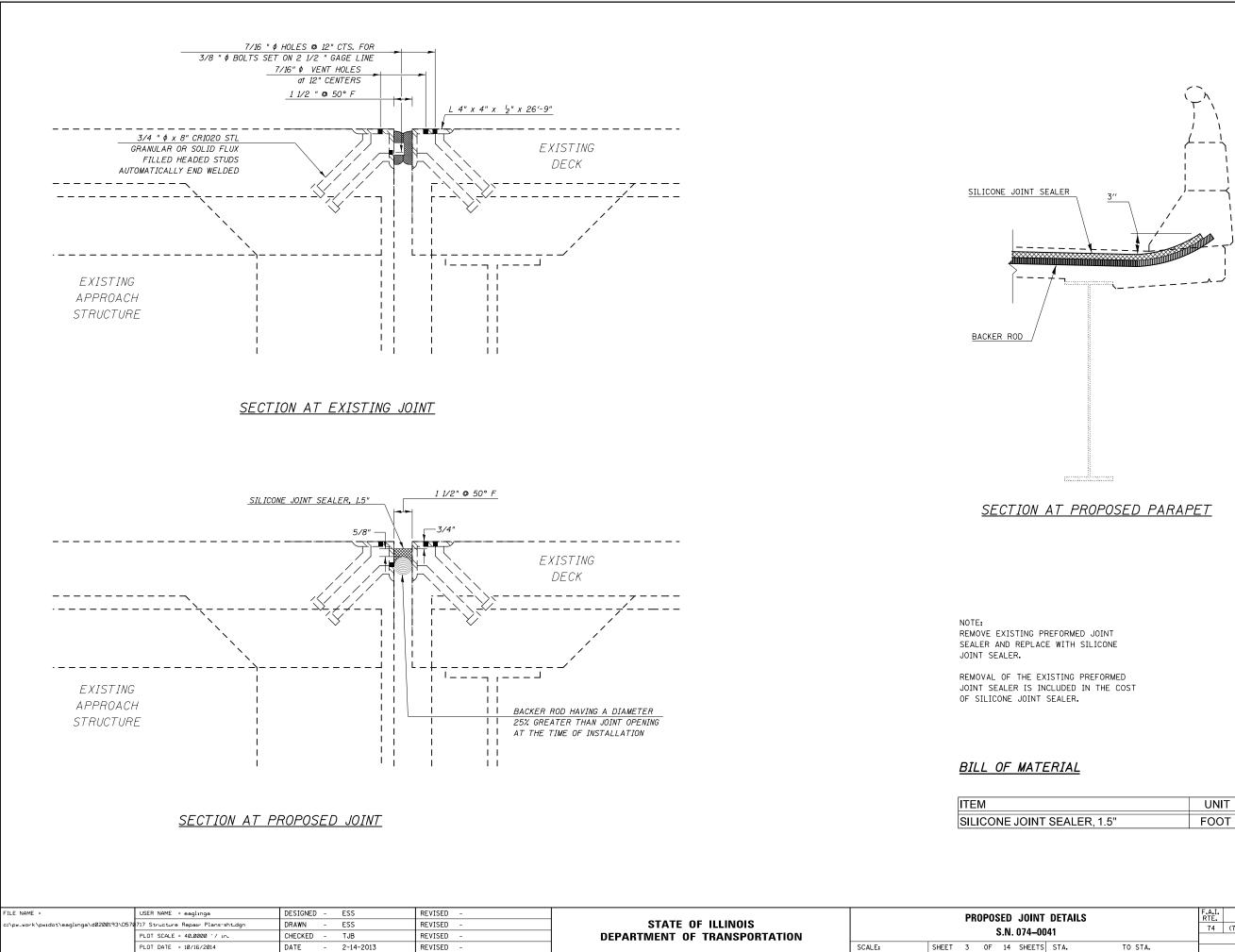
If the analysis submitted to the Contractor for the Jacking/Temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If the stiffeners are not required, hardwood timbers shall be installed tightly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

D ELEVATION 041		F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.					
		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	161					
			CONTRACT NO. 7071								
STA.	TO STA.		ILLINOIS FED. AID PROJECT								

EXISTING CROSS SECTION

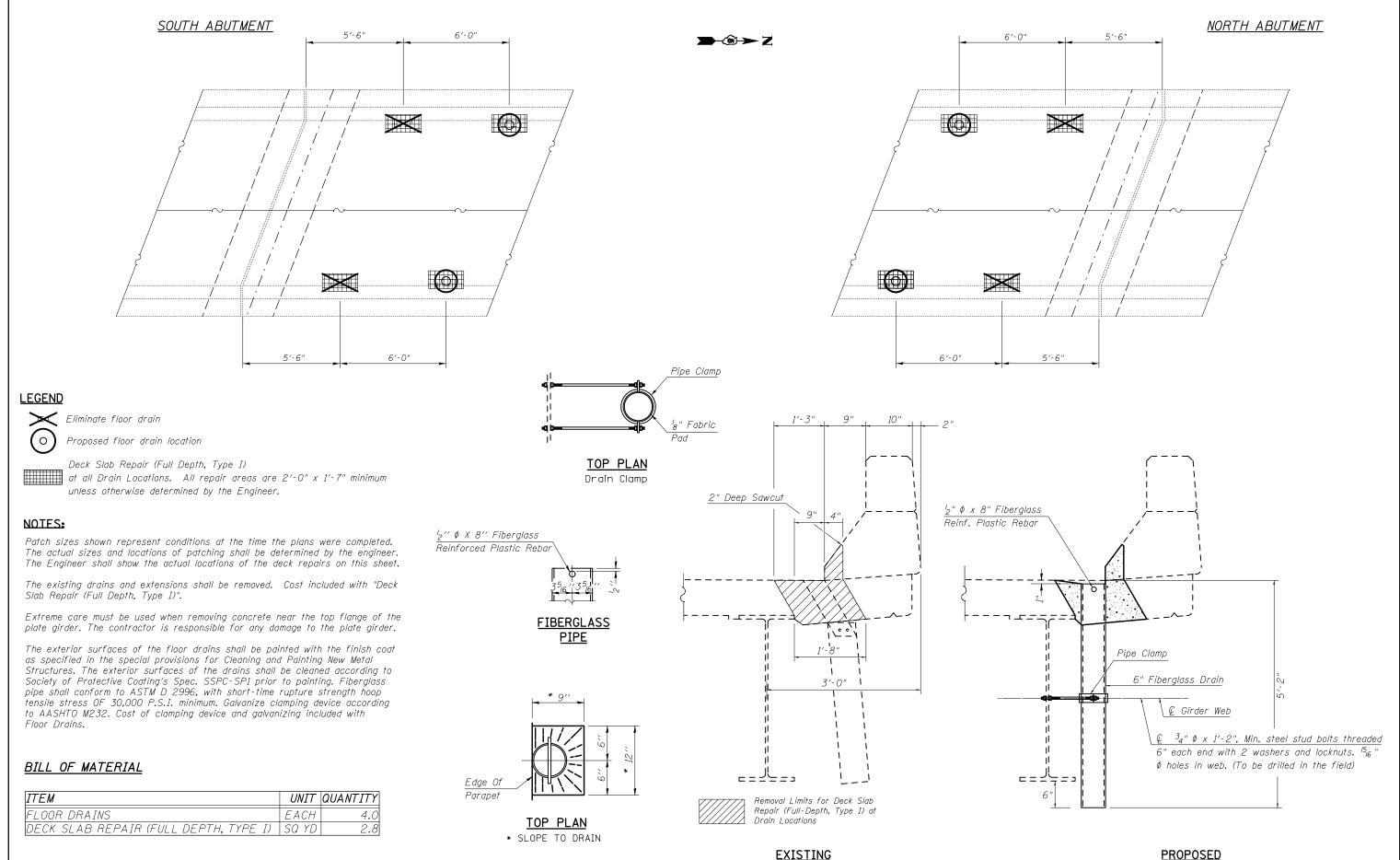


DSS SECTION D041		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
		(74-2)RS-2 & (74-3)RS-3	PIATT	310	162				
	CONTRACT NO. 7071								
S STA. TO STA.	ILLINOIS FED. AID PROJECT								



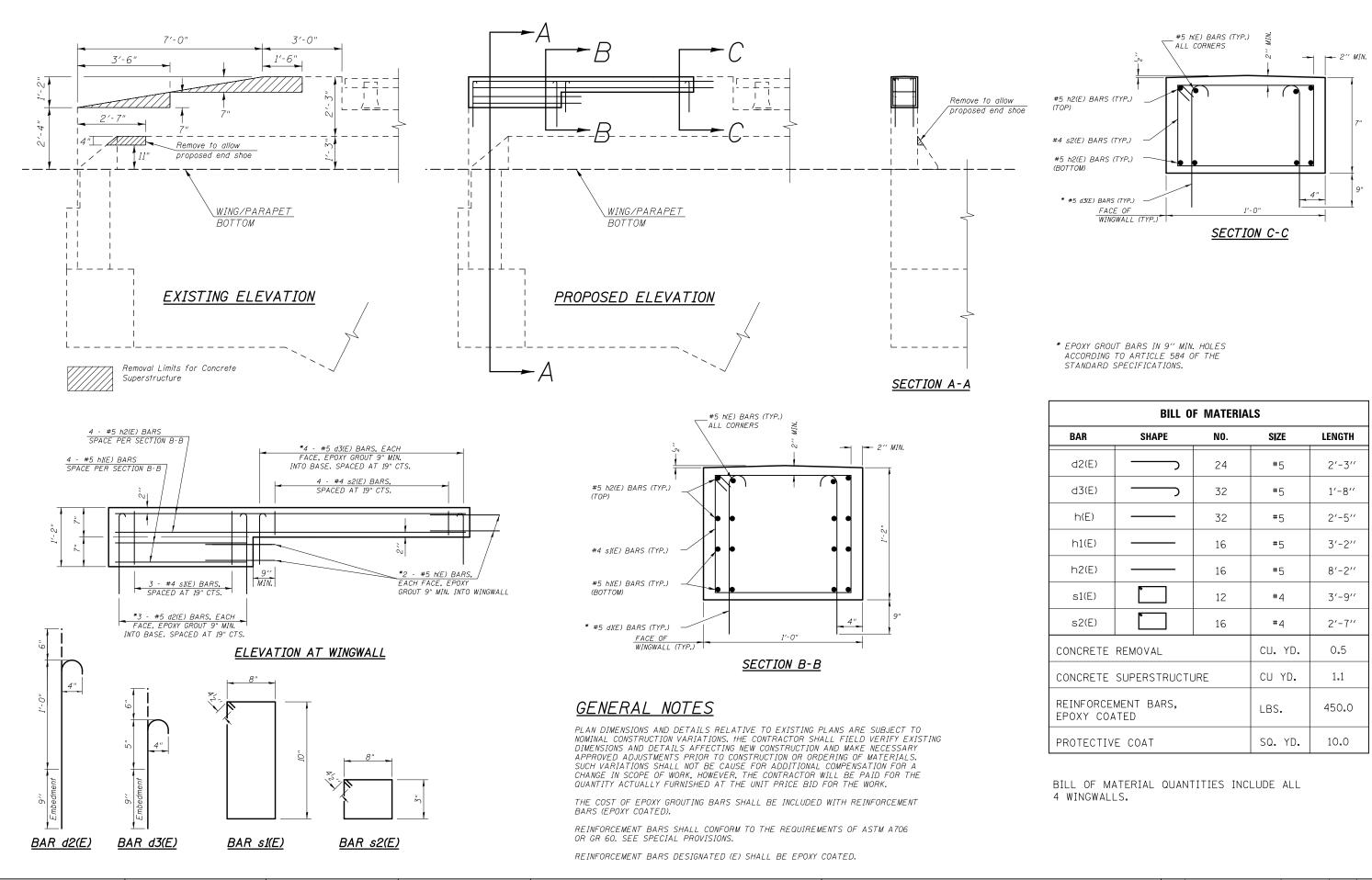
	UNIT	QUANTITY
T SEALER, 1.5"	FOOT	64.0

		COUNTY	SHEETS	SHEET NO.					
74	4 (74-2)RS-2	PIATT	310	163					
	CONTRACT NO. 707				0717				
STA.	ILLINOIS FED. AID PROJECT								
	RT	74 (74-2)RS-2	RTE. SECTION 74 (74-2)RS-2 & (74-3)RS-3	RTE. SECTION CONNT 74 (74-2)RS-2 & (74-3)RS-3 PIATT CONTRACT	RTE. SECTION COUNT I SHEETS 74 (74-2)RS-2 & (74-3)RS-3 PIATT 310 CONTRACT NO. 7				



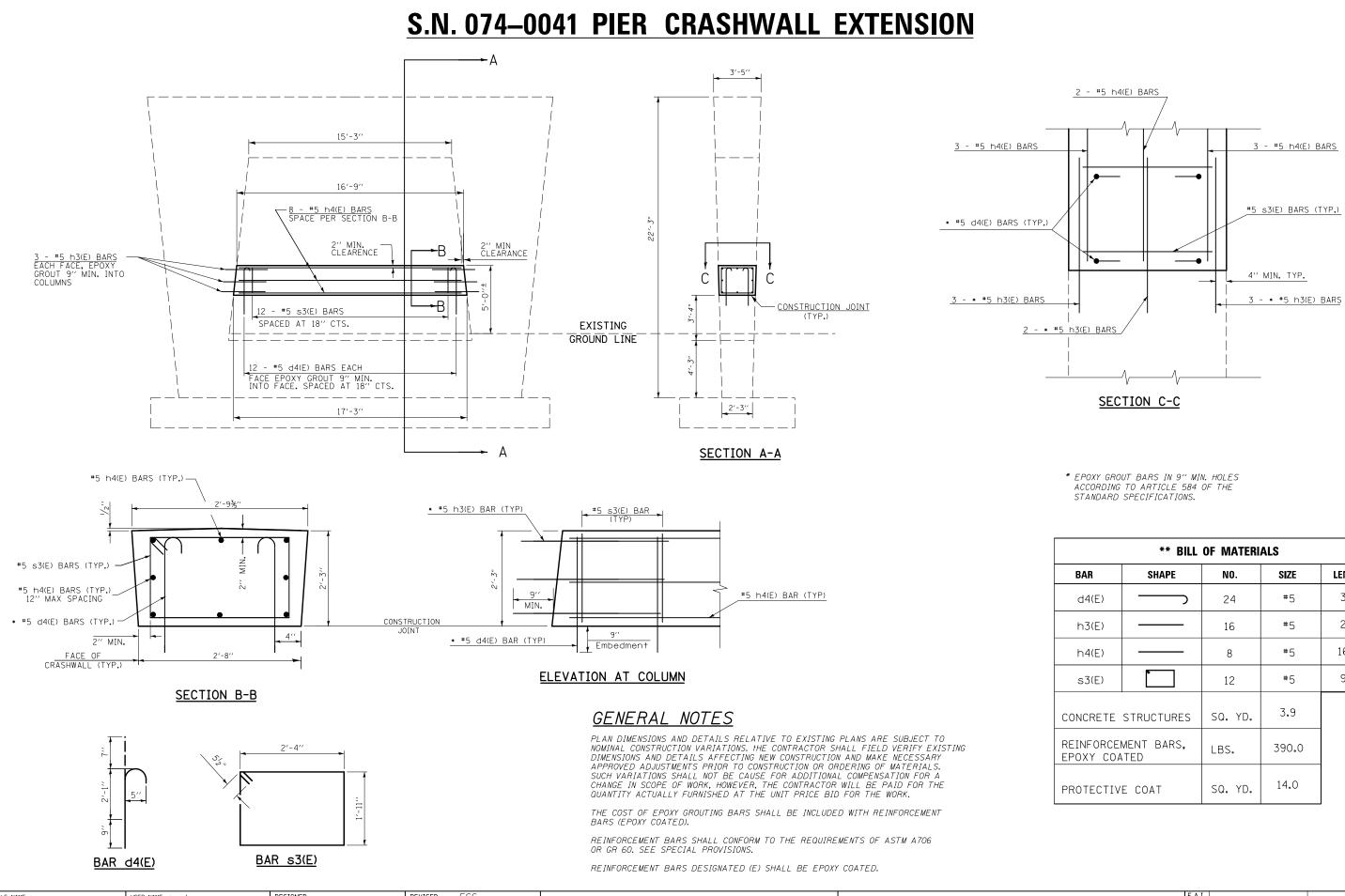
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c:\pw_work\pwidot\eaglinga\d0200193\D57	717 Structure Repair Plans-sht.dgn	DRAWN - ESS	REVISED -	STATE OF ILLINOIS	S.N. 074–0041			74 (74-2)RS-2 & (74-3)RS-3	PIATT	310 164
	PLOT SCALE = 40.0000 '/ in.		REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRAC	T NO. 70717
	PLOT DATE = 10/16/2014	DATE - 2-15-2013	REVISED -			SHEET 4 OF 14 SHEETS STA. TO ST	Α.		ILLINOIS FED. AID PROJECT		

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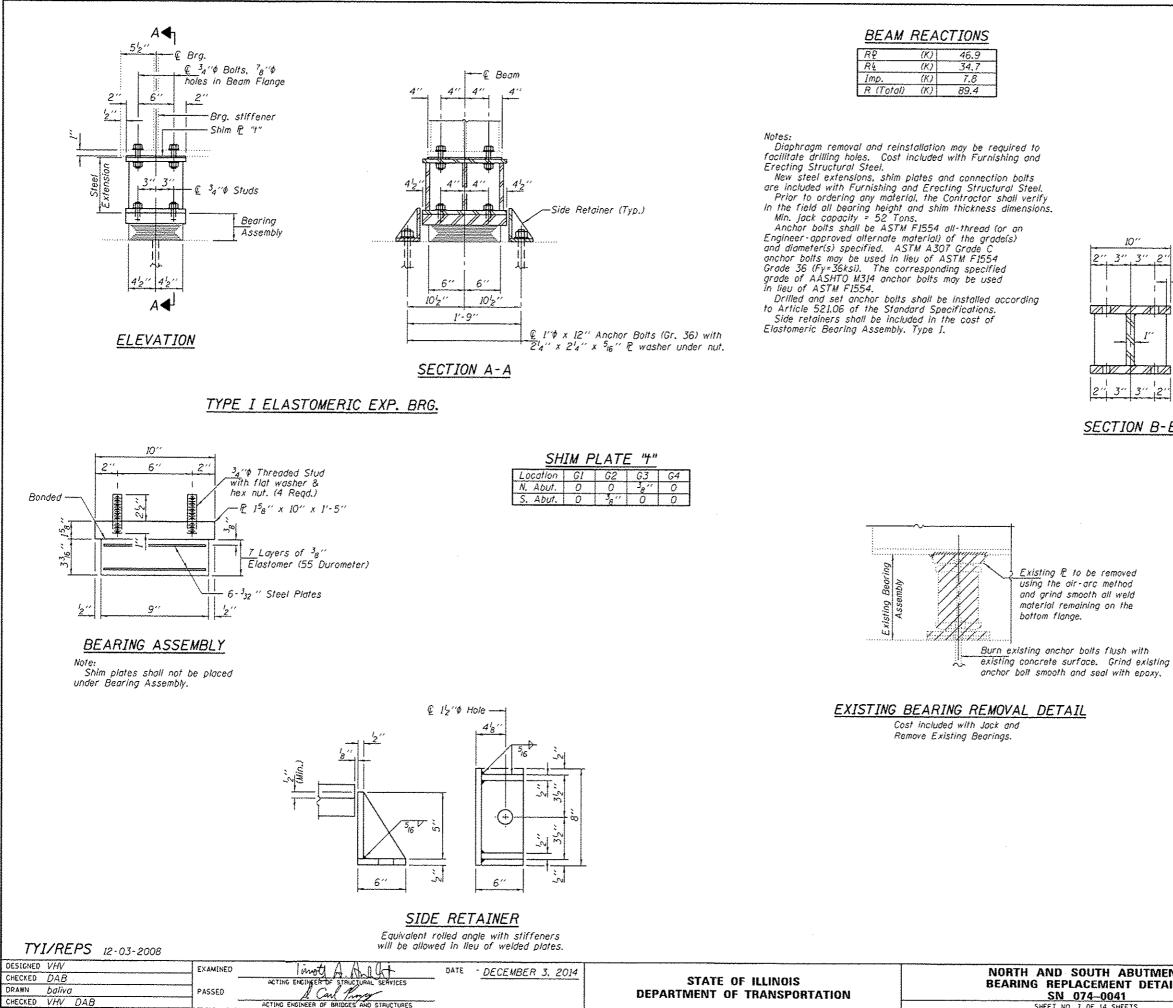
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	PLOT SCALE = 40.0000 ' / in.	CHECKED TJB	REVISED -	DEPARTMENT OF TRANSPORTATION	5.11. 074-0041				CONTRACT	
	PLOT DATE = 10/16/2014	DATE 2-25-2013	REVISED -		SCALE:	SHEET 5 OF 14 SHEETS STA. TO STA.		ILLINOIS FED. AI	ID PROJECT	

	BILL O	F MATERIA	LS	
BAR	SHAPE	NO.	SIZE	LENGTH
d2(E)	\longrightarrow	24	#5	2'-3''
d3(E)		32	#5	1'-8''
h(E)		32	#5	2'-5''
h1(E)		16	#5	3'-2''
h2(E)		16	#5	8'-2''
s1(E)		12	#4	3'-9''
s2(E)		16	#4	2'-7''
CONCRETE	REMOVAL		CU. YD.	0.5
CONCRETE	SUPERSTRUCTL	JRE	CU YD.	1.1
REINFORCE EPOXY COA	MENT BARS, Ted	LBS.	450.0	
PROTECTIV	E COAT		SQ. YD.	10.0



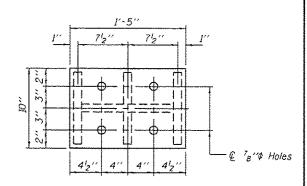
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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							CONTRACT NO. 70	
	PLOT DATE = 10/16/2014	DATE	REVISED 3-5-2013		SCALE: NONE	SHEET 6 OF 14 SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED. AI	D PROJECT	

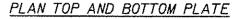
	** BILL	OF MATERI	ALS	
BAR	SHAPE	NO.	SIZE	LENGTH
d4(E)		24	#5	3'-5''
h3(E)	h3(E)		#5	2'-9''
h4(E)		8	#5	16′-5′′
s3(E)		12	#5	9'-5''
CONCRETE	STRUCTURES	SQ. YD.	3.9	
REINFORCE	MENT BARS, Ted	LBS.	390.0	
PROTECTIV	E COAT	SQ. YD.	14.0	

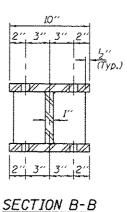


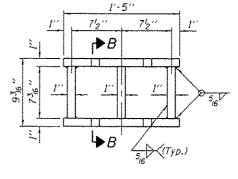
SN 074-00

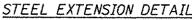
SHEET NO. 7 OF 14







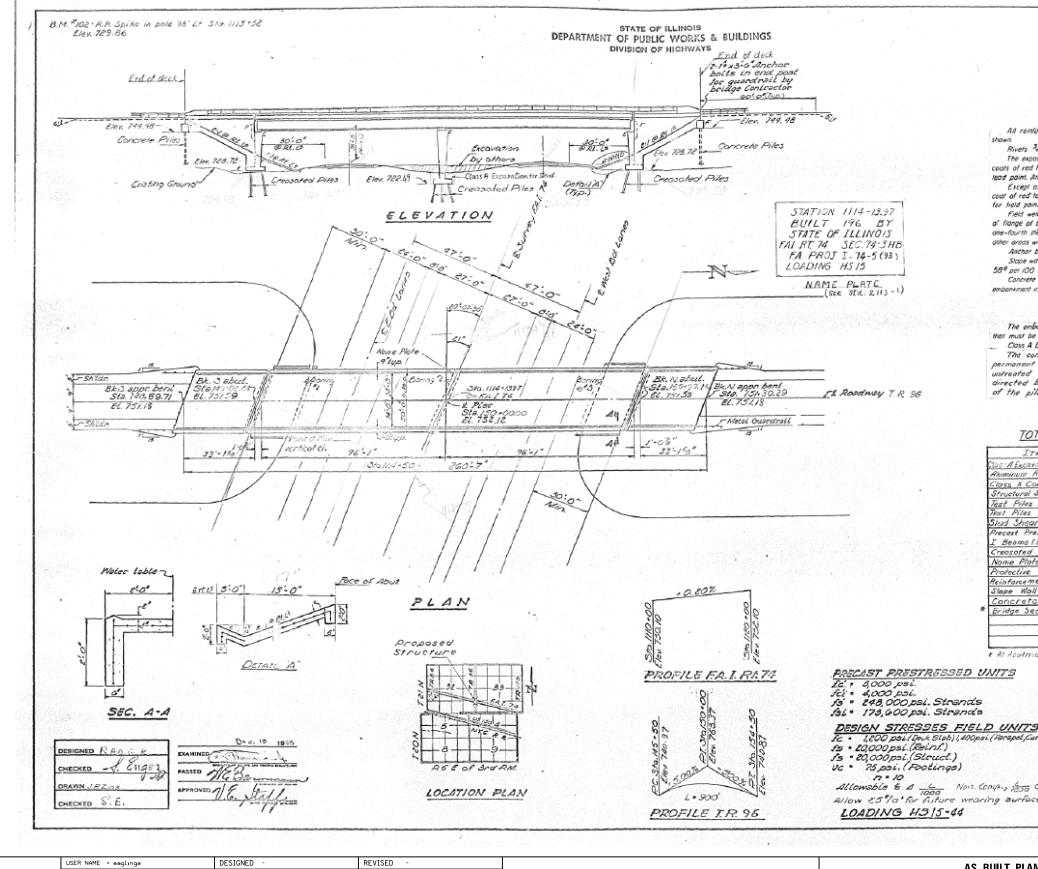




BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1460
Anchor Bolts 1"\$	Each	16

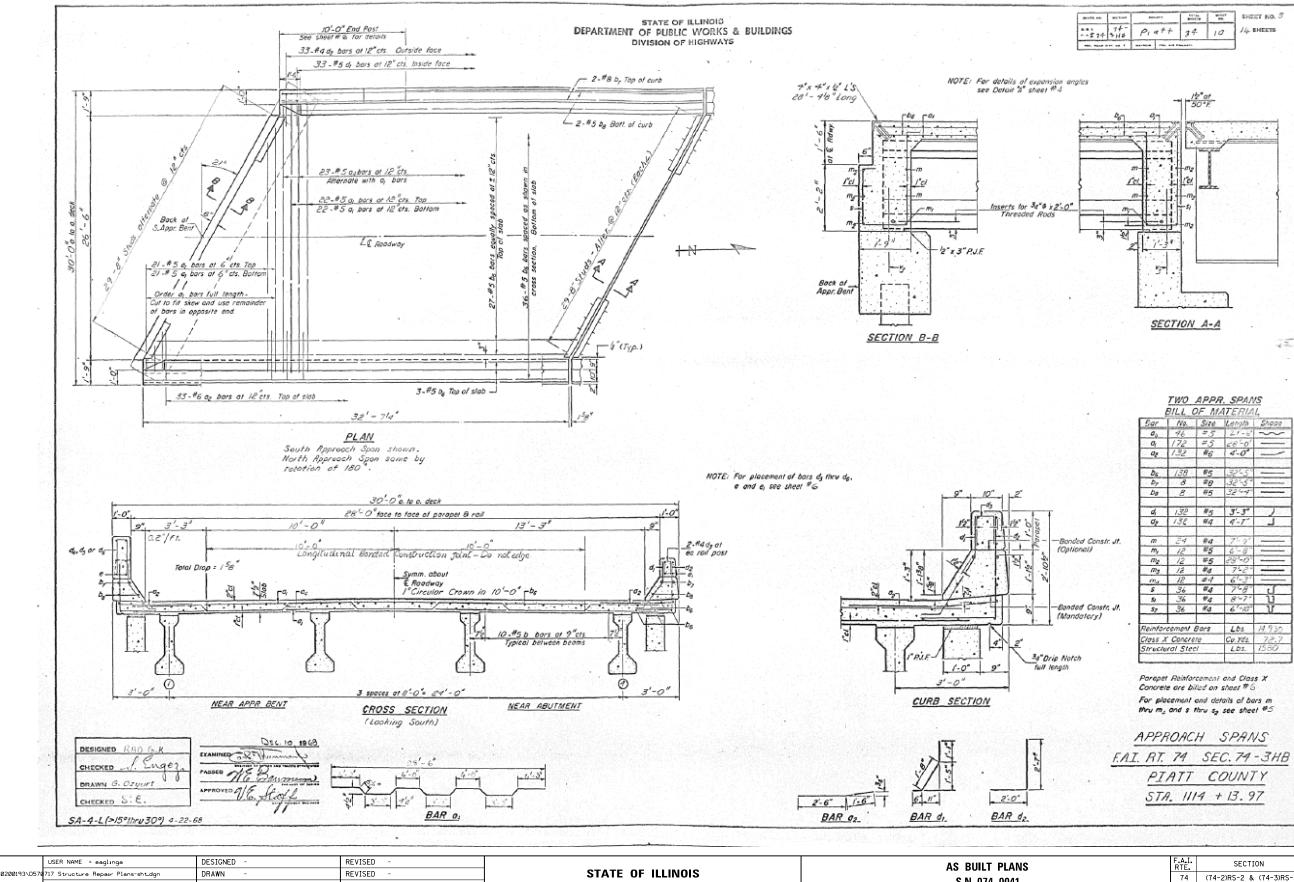
ABUTMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.			
IENT DETAILS	74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	167			
041			CONTRAC	T NO. T	0717			
SHEETS	ILLINOIS FED. AND PROJECT							



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	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–00
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 8 OF 14 SHEETS

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Abutments o A	γiα						
creto Pile De Seal Se		Lin. 11. 1.5.		462	462		
orcement B Woll 4"	01s	Lbs. Sq. Yds.	58460	22.520 193	80980	-	
e Plotes active Coat		Eoch Sq. Yds.	963	0.0.50-	963		
soted Piles(20-16-58-)	Lin. Ft.		1530	1530		
at Prestresse coms (36)		Lin. Ft.	255		255		
Piles (Timb Shear Conr	Hectors	Eoch Loch	1272	/	1272.		
Piles (Conc		Each	102 200	1	1		
X Concrete		Cu. Yds. Lbs.	254.8	242.6	4.97.4		
1 Excavation fro invum Railing	r geradianes	Lin. Ft.	479	17726785	479	10	
Itam	Stevel	Unit Cu. Yds.	Super	505	Total 70.		
TOTAL	BILL C	DF MAT	ERIAL				
he piles.							
ted by the	Engines	r before	ordering	the rem	oinder		
anent locat ated test	ion of Sc	wth Appro	ach Bent	ond one			
Nass A Excavali Nass A Excavali The contracto	on for struc	tures includes	excovation fi	or slope wax	in a		
'he embonkmeni nusi be constru	configuration	on shown sh	all be the min	inom ombar maarte	akment		
				일광화			
Concrete piles at Wiment in accord	App Bents lance with A	noli be drive rticle 5/3.05	n in holes pre (c) of the Si	cored throug landard Spec	n the Icakans.		
Slope wall shall per 100 sq It							
areas will be per Anchor balls sh	es he set to	efore balling	cross frames	over suppo	vis.		
nge at beams o burth the span i	ength each	way from the	pier suppor	ts. Field web	ding in		
old paint. Field welding of	constructio	n accessories	will not be p	ermitted in	the bottom		
Except as other of red tead pair	use provide	d, all structu	rai steel shi	all receive o Special Provi	na shap sions		
he exposed sur of red lead po paint. Anchor st	int, the cont	oct surfaces	shall be give	in one cool	of red		
l Rivers ∛ €, op The exposed sur	en holas la	a, unless of	herwise note	d aiven two -	shaa		
lit reinforsemen		<u>RAL NO</u> be sopped		s uniess all	nerwise .		
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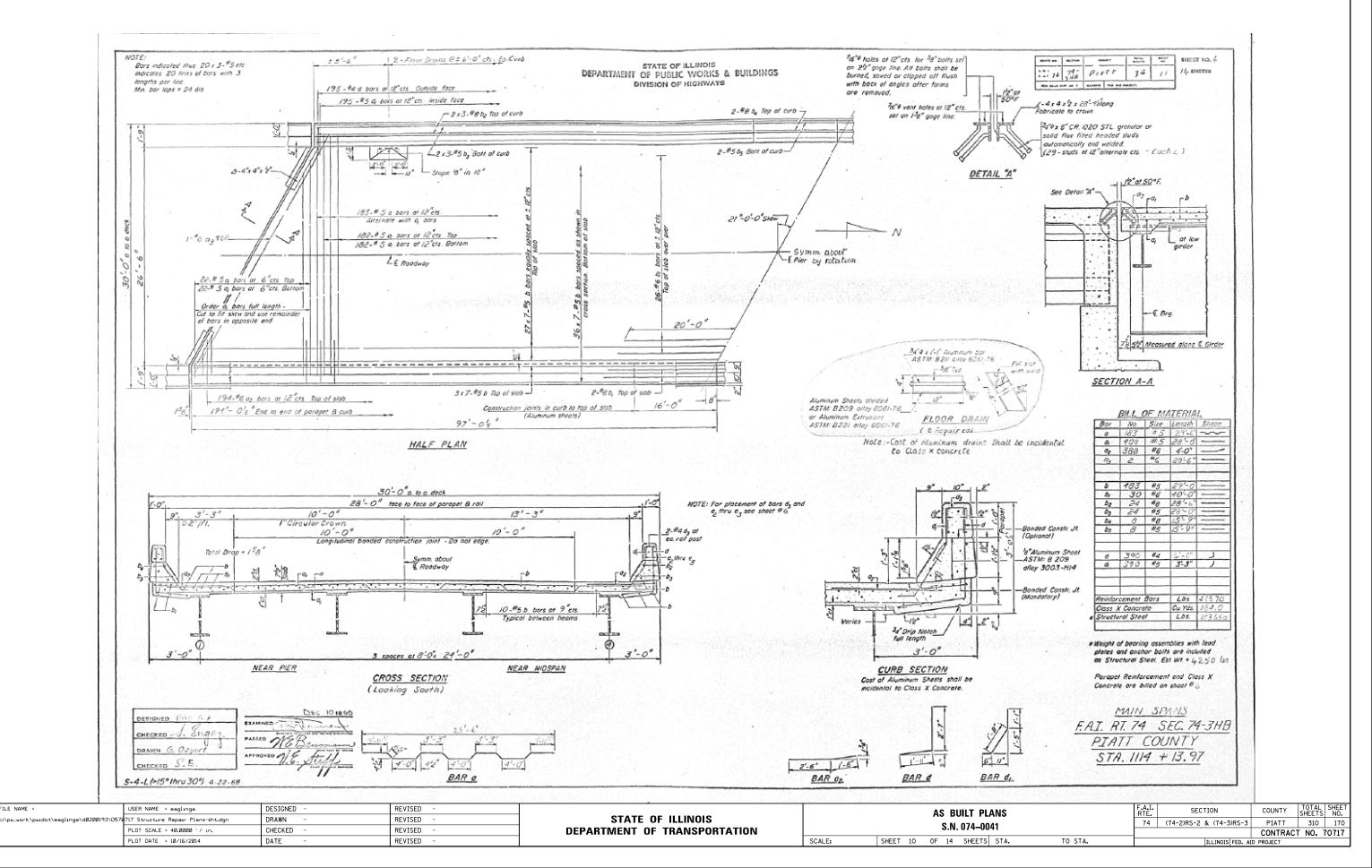
LANS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0041		74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	168
JU41				CONTRAC	T NO. 7	70717
S STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



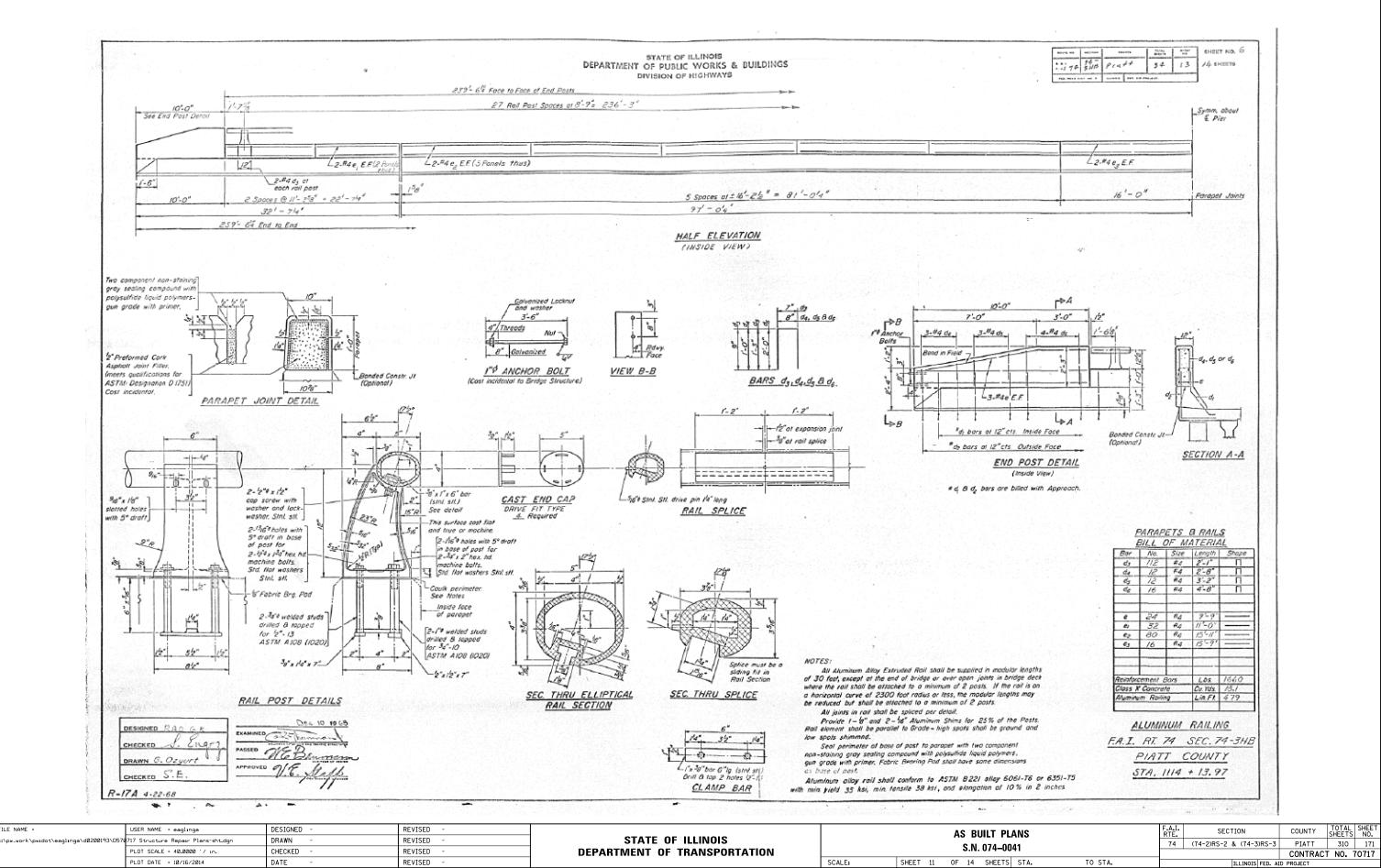
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c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS				74	(74-2)RS-2 & (74-3)RS-3	PIATT	310 169
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074–0041				CONTRAC	T NO. 70717	
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 9 OF 14 SHEETS STA.	TO STA.		ILLINOIS FED. AID	PROJECT	

ACT 10. 10.100	Barry Str. 1	1011.24 6400.070	10-11-1 10-1	SHEET NO. 5
174 3HB	Piatt	34	10	/4- SHEETS
		and?.		

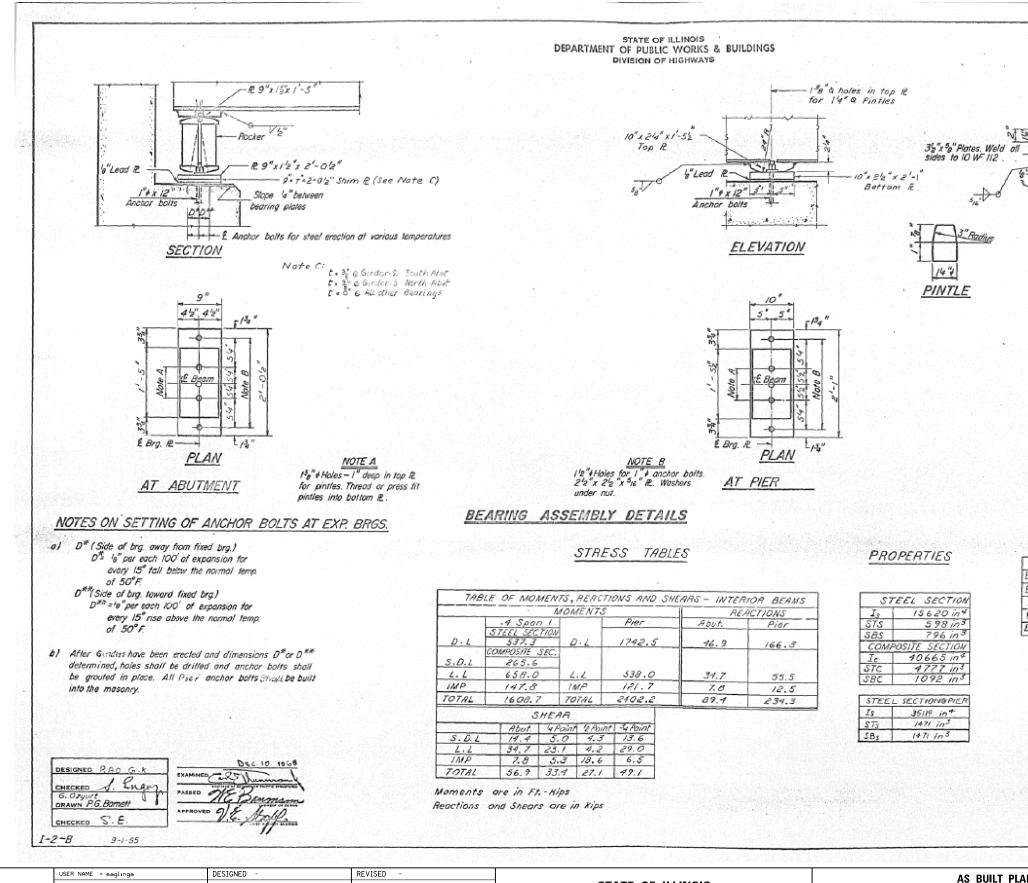
		그는 승규는 것이 같아.	A 가 드			ATERIA		199		
		e de la contrar	Cor	1 No.	Size	Length	and a second	14.1		
			0.	196	35	121-6	~~	1.5		
			O,	172	#5	28'-0'				
			02	132	#6	4-0'				
			De	138	#5	32-5				
			57	8	#8	32:5		023		
r + 2°			Do	8	#5	32'-4"		123		
<u></u>			4	132	#5	3'-3"				
1 12 6	je l		07	132	#4	4-7	1	199		
	araper	-Bonded Constr. Jt.	m	24	#4	7-9				
14-1-1	P.I	(Optional)	m,	12	#5	6-8"	· · · · · · · · · · · · · · · · · · ·	1.22		
PIN.	2-104		m ₂	12	#5	28'-0'		533		
1 7 2	18		mg	12	44	7-2-				
11 1	24		ma	12	24	6'-3'	10 <u>10 10 10 10</u> 10 10 10	1993		
			\$	36	#4	7-8	U U	133		
				- 36	#4	8'-7"	U	1. C		
0	-	-Bonded Constr. Jl. (Mandatory)	57	36	#a	6'-10"	V_			
Sit-	<u>i 1</u>		Reinfor	coment	Bors	Los	1.730			
4 2			Closs X	Concre	1/8	Cu.Yds.	72.7	12 C		
N		ip Notch	Structo	ral Ste	d	Lbs.	1580	3.0		
<u>*</u>	5.5 a	engi) <u>F.A.</u>	Convert For pla Mrv m ₂ <u>APPH</u> I. RT.	re are bi accement and s ROAC 74	illed on ond den thru sy H SE	and the second data	s u #5 VS -3HB			
	<u>+</u>		and the second s			13.9				
2.0"		사람 가슴 감종 않	<u> </u>			1.1	-	183 C		
BAR de.	걸릴			61230		200	105.43.9			
		and the second								
PLANS				F.A.I. RTE.		SECT	ION	COUNTY	TOTAL SHEETS	SHE NC



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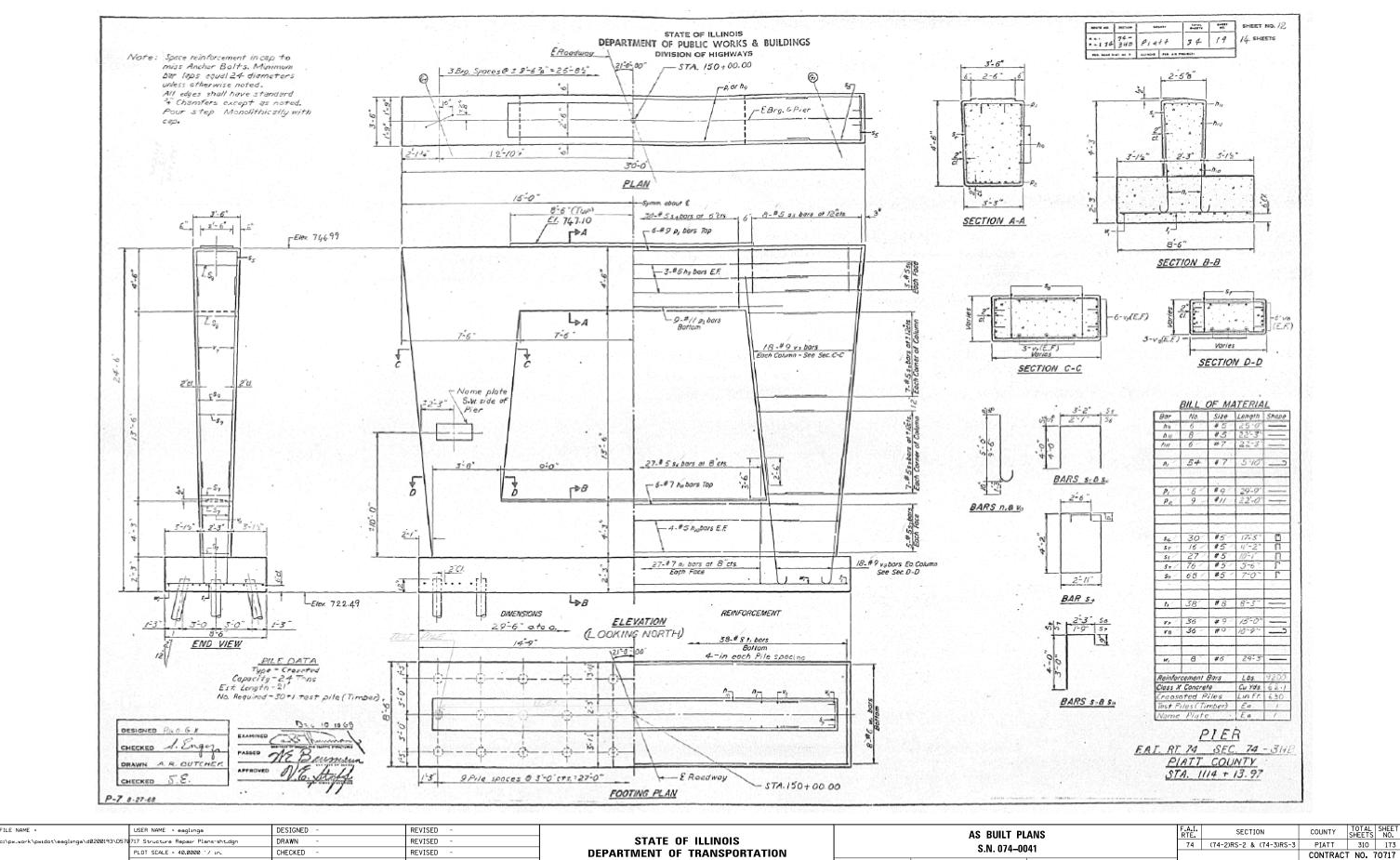


FILE NAME =



FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -			AC B	BUILT PL
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS			
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		5.N	I. 074–00
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 12 OF 14	SHEETS
	:\pw_work\pwidot\eaglinga\d0200193\D570	ILE NAME = USER NAME = eaglings :\pw_work\pwidot\eaglings\d0200193\D570 717 Structure Repair Plans-sht.dgn PLOT SCALE = 40.0000 ' / in. PLOT DATE = 10/16/2014	t\pw.work\pwidot\eaglinga\d0200193\D570717 Structure Repair Plans-sht.dgn DRAWN - PLOT SCALE = 40.0000 ' / in. CHECKED -	t\pw.work\pwidot\eeglinge\d0200193\D570717 Structure Repair Plans-sht.dgn DRAWN REVISED REVISED - PLOT SCALE = 40.0000 '/ in. CHECKED REVISED -	t\pw.work\pwidot\eeglinge\d0200193\D57 717 Structure Repair Plans-sht.dgn DRAWN - REVISED - STATE OF ILLINOIS PLOT SCALE = 40.0000 '/ in. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION	1/pw.work/pwidot/eeglinga/d0200193/D57 2717 Structure Repair Plans-sht.dgn DRAWN - REVISED - PLOT SCALE = 40.0000 '/ in. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION	It Newwork \pwidet\eaglinge\d0200193\D57 DTATE OF ILLINOIS AS B PLOT SCALE = 40.0000 '/ in. CHECKED - REVISED - STATE OF ILLINOIS S.N.

Identified and the second and the se		
<u>TOP OF WEB ELE</u>	VATIONS	
(For Fabrication only)	GIRDER-3 GIRDER-4	
<u>BEARING D.</u> F.A.I. RT. 74 SE <u>PIATT COU</u> <u>STA. 1114 + 1</u>	<u>C. 74 -3HB</u> I <u>NTY</u> I <u>3.97</u>	
PLANS	F.A.I. RTE. SECTION 74 (74-2)RS-2 & (74-3)RS-3	COUNTY TOTAL SHEET SHEETS NO. PIATT 310 172
-0041 ETS STA. TO STA.	ILLINOIS FED. /	CONTRACT NO. 70717



SCALE:

FILE NAME =

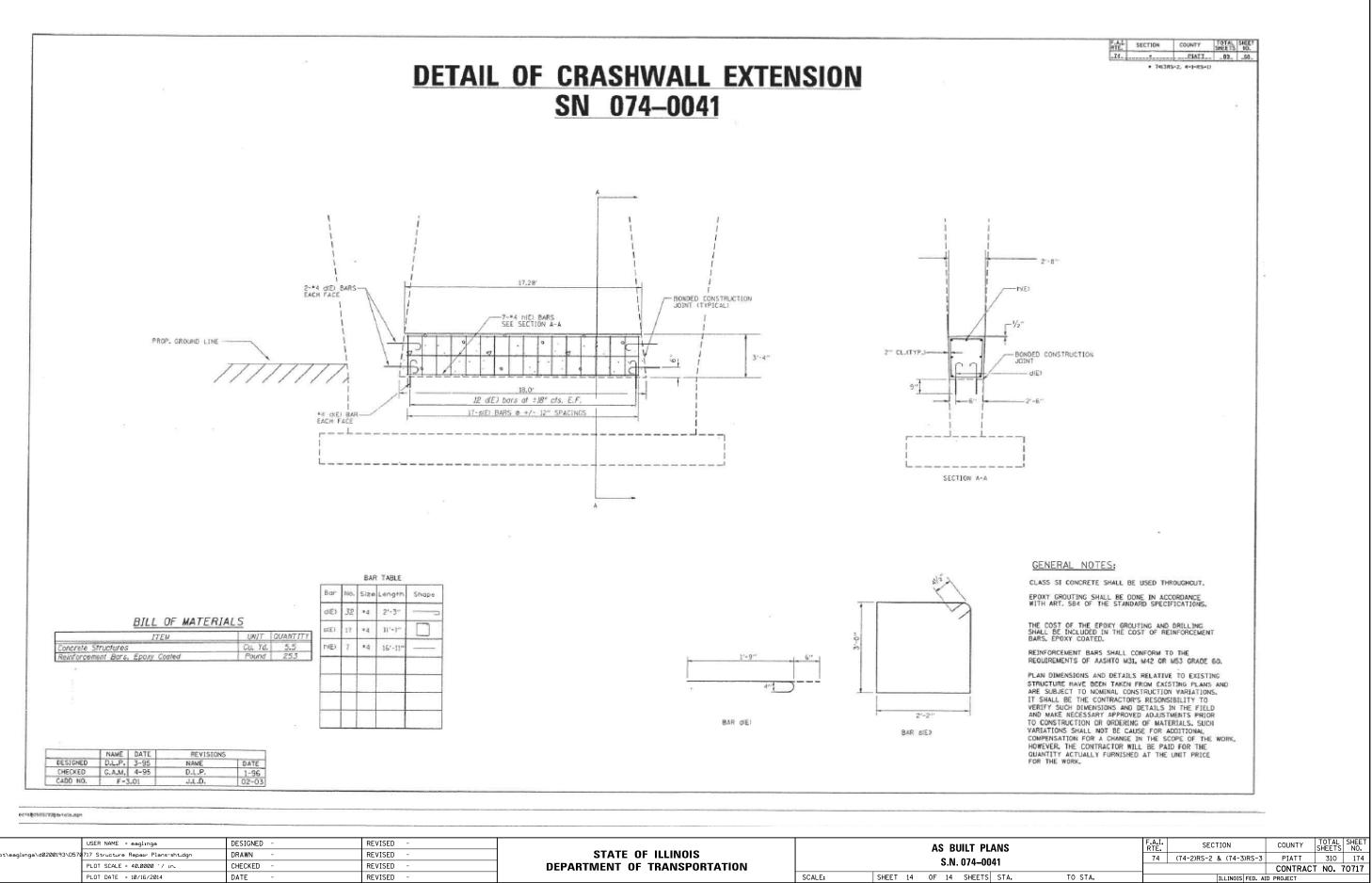
PLOT DATE = 10/16/2014

DATE

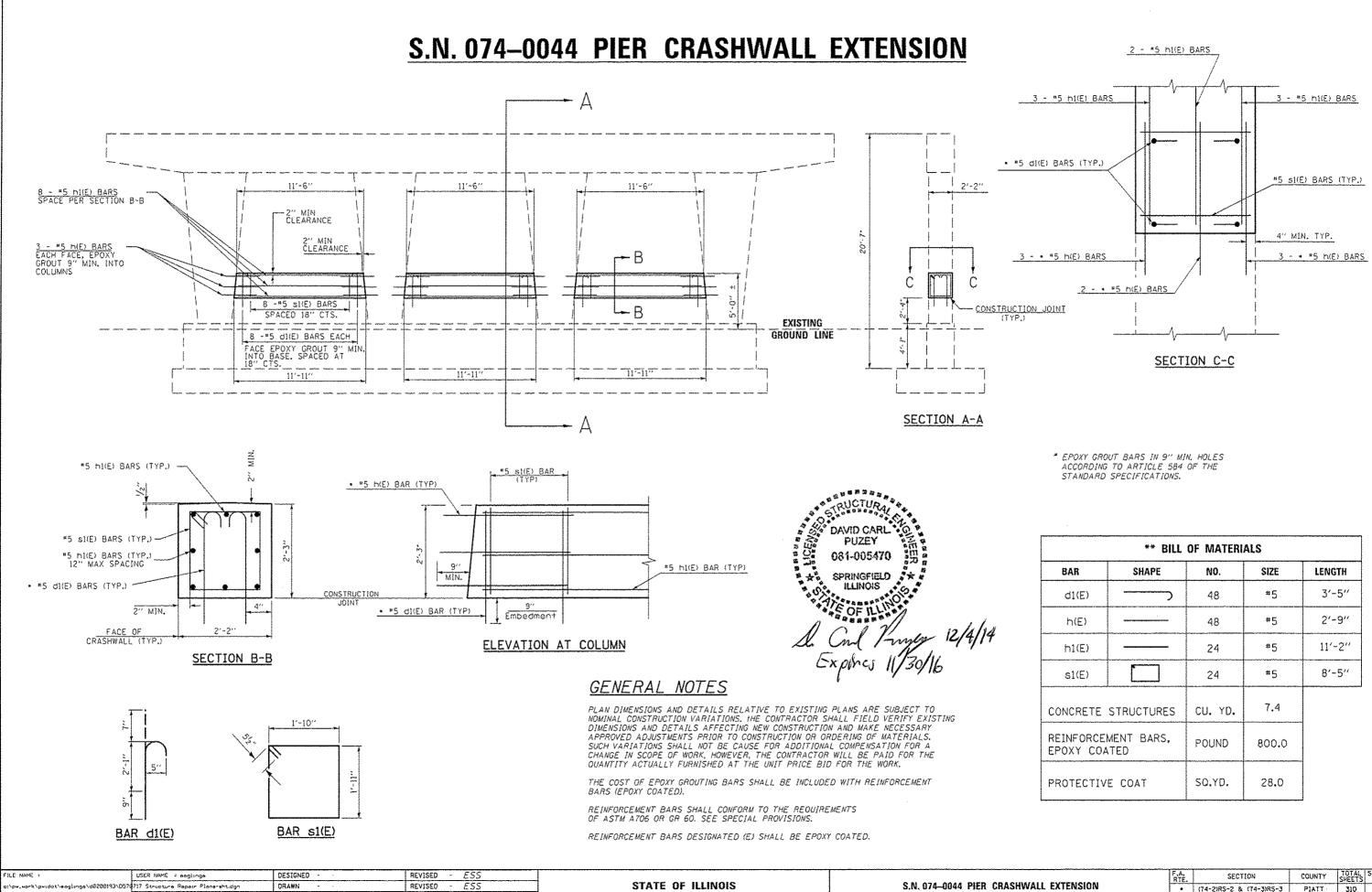
REVISED

SHEET 13 OF 14 SHEETS STA.

TO STA. TULINOIS FED ATD PROJECT

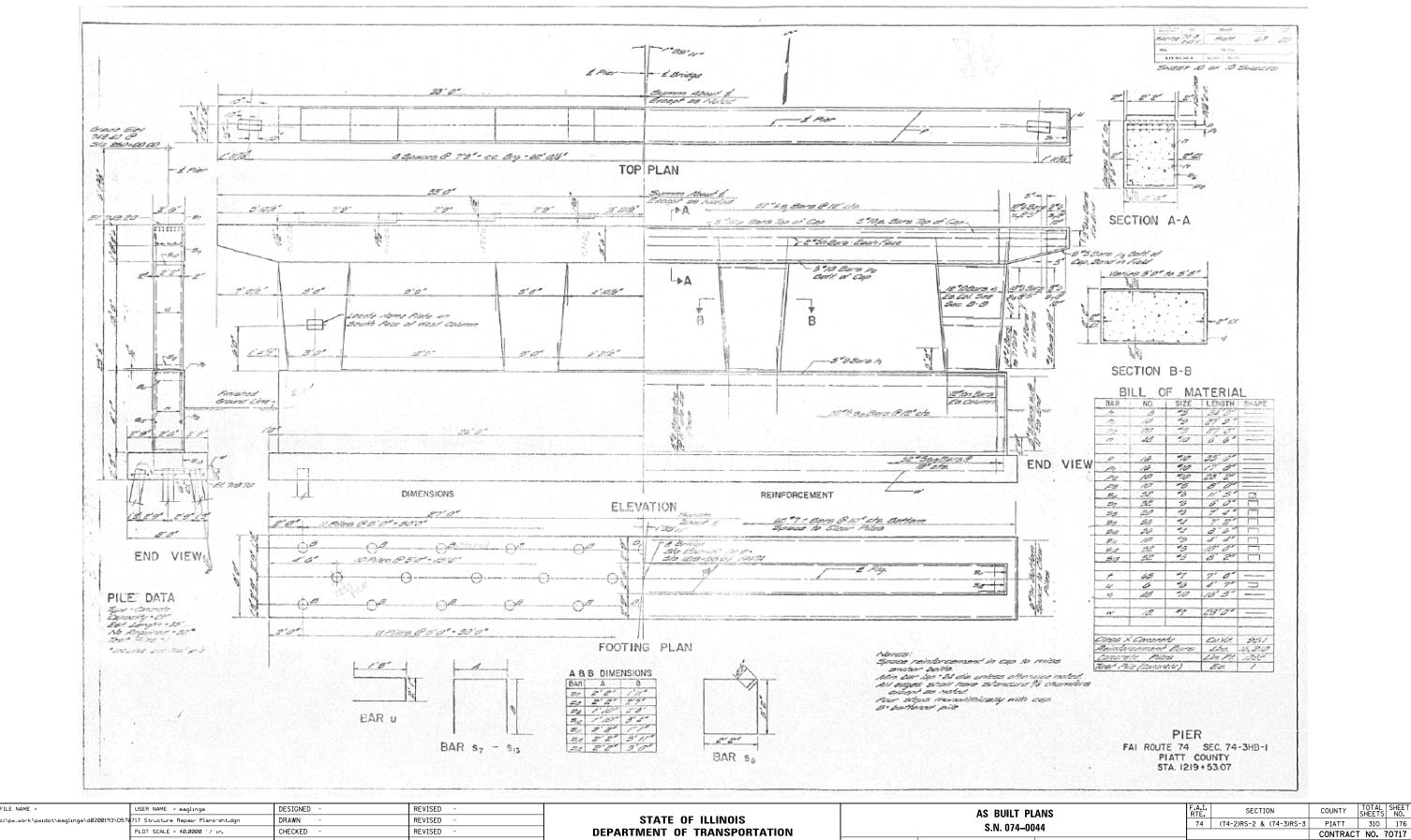


FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -					VC L	т	
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	AS BUILT PLAN S.N. 074–0041					
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				5.1	1. 074-	0041
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 14	0	F 14	SHEE	TS S



Now-work/puidot/ooglingo/d0200193/0570717 Structure Repoir Plane-aht.dgn DRAWN - REVISED - ESS STATE OF ILLINOIS S.N. 074-0044 PIER CRASHWALL EXTENSION • 174-2)RS-2 & (74-3)RS-3 PIATT 310	ILE NAME =	USER NAME = anglinga	DESIGNED -	REVISED - ESS			F.A. SECTION COUNTY SHEETS NO.
PLOT SCALE 7 40.0000 1/ 10. CHECKED - DEPARTMENT OF TRANSPORTATION	\pw_work\pwidat\eaglinge\d0200193\0576	717 Structure Repair Planershtudgn	DRAWN -	REVISED - ESS	STATE OF ILLINOIS	S.N. 074–0044 PIER CRASHWALL EXTENSION	
		PLDT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 70717
PLOT DATE = 10/16/2014 DATE - · REVISED - 3-7-2013 SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA. FEO. ROAD DIST. NO. ILLINDIS FEO. AID PROJECT		PLOT DATE = 10/16/2014	DATE -	REVISED - 3-7-2013		SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINDIS FED. AND PROJECT

	** BILL	OF MATERI	ALS	
BAR	SHAPE	NO.	SIZE	LENGTH
d1(E)		48	*5	3′-5″
h(E)		48	*5	2'-9''
h1(E)	<u> </u>	24	#5	11'-2''
s1(E)		24	*5	8′-5"
CONCRETE	STRUCTURES	CU. YD.	7.4	
REINFORCE EPOXY COA	MENT BARS, TED	POUND	800.0	
PROTECTIV	E COAT	SO.YD.	28.0	



FILE NAME =

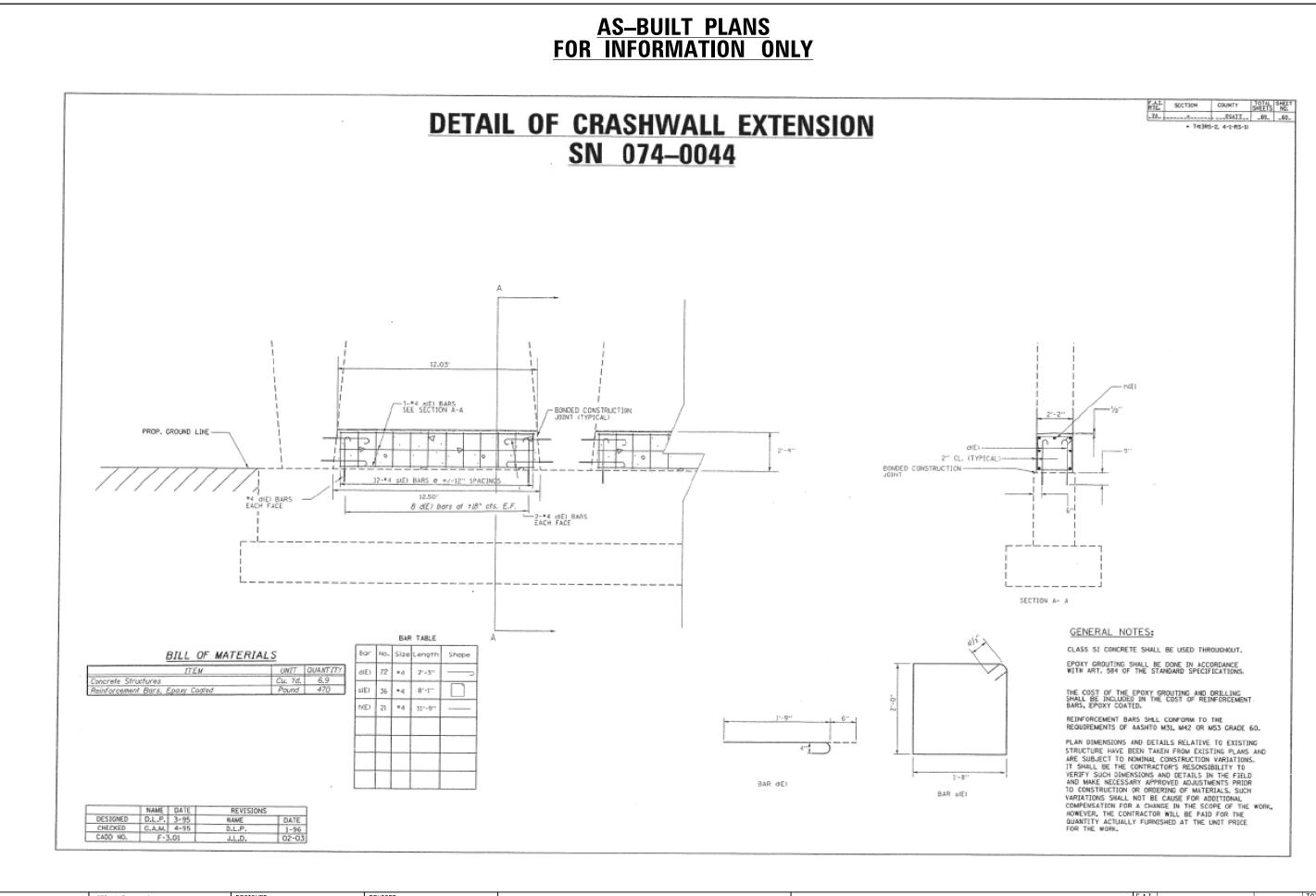
PLOT DATE = 10/16/2014

DATE

REVISED

SCALE: SHEET 2 OF 3 SHEETS S

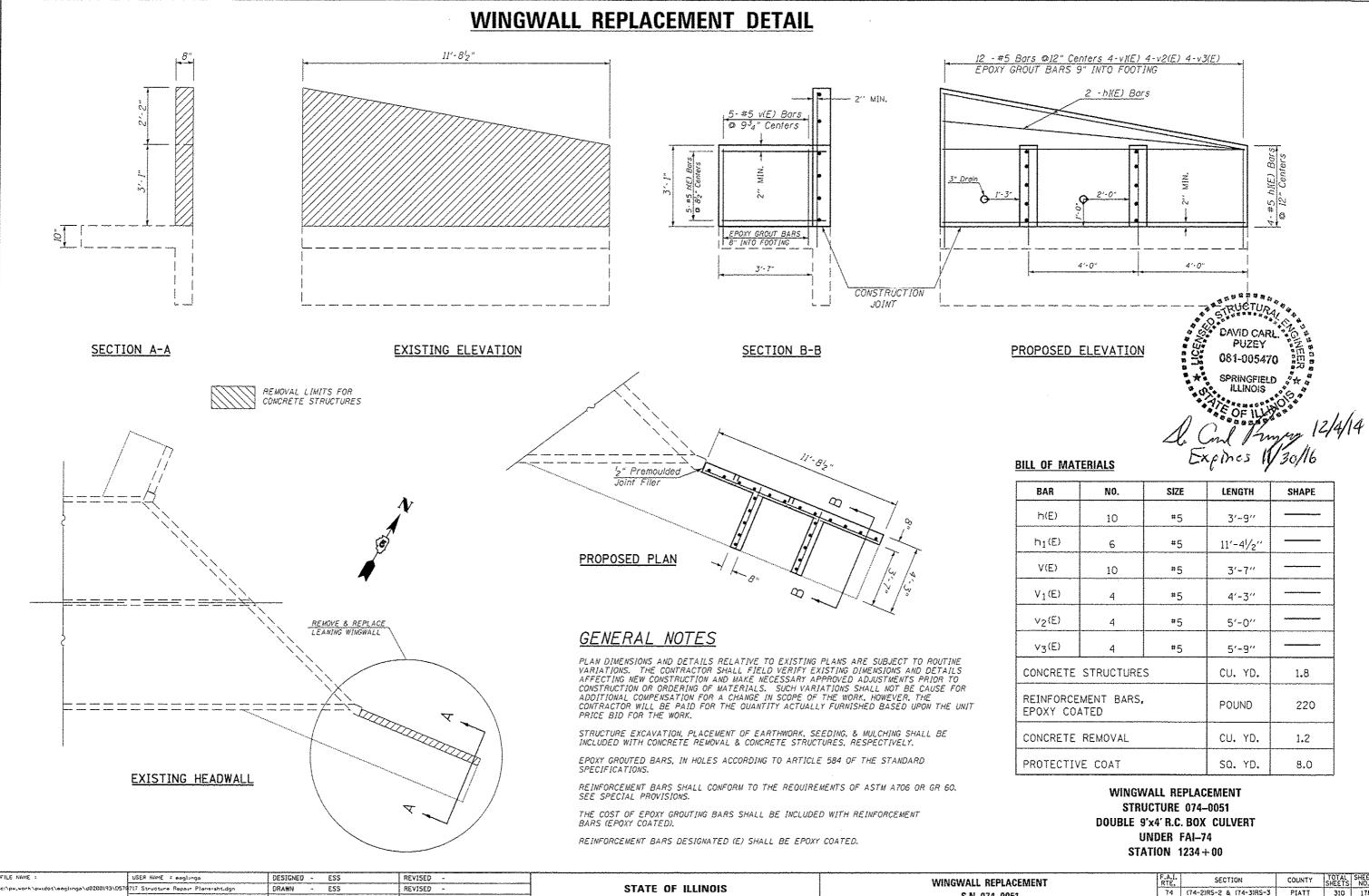
		CONTRACT N
TA.	TO STA.	ILLINOIS FED. AID PROJECT



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	c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		S.N. 074–004				
		PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 3 OF 3 SHEETS				

affer a	SECTION	COUNTY	SHEETS	SHEET NO.
-74			-09-	60.
	 T4385 	-2, 4-1-85-1)		

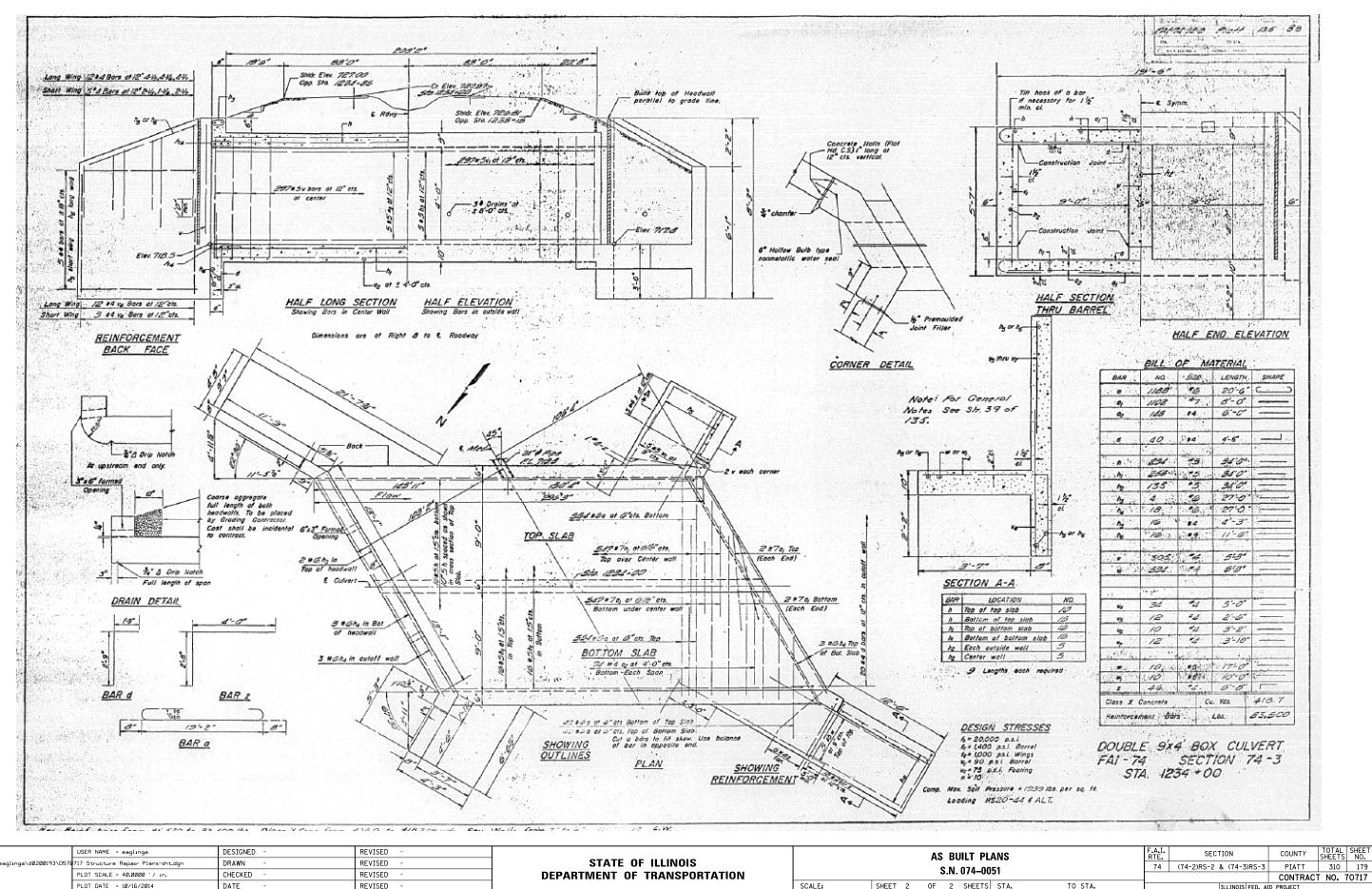
044 74 (74-2)RS-2 & (74-3)RS-3 PIATT 310	SECTION COUNTY TOTAL SHEET NO.	F.A.I. RTE.	LANS		
	74-2)RS-2 & (74-3)RS-3 PIATT 310 177	74	044		
CONTRACT NO. 70	CONTRACT NO. 70717		044		
S STA. TO STA. ILLINOIS FED. AID PROJECT	ILLINOIS FED. AID PROJECT		TO STA.	STA.	5



	USER NAME = #aglings	DESIGNED ~	ESS	REVISED -	STATE OF ILLINOIS	WINGWALL REPLACEMENT	F.A.I. SECTION	COUNTY TOTAL	L SHEET
20014350570	PLOT SCALE = 40.0000 1/ in.	CHECKED -	TJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	S.N. 074-0051	74 (74-2)RS-2 & (74-3)RS-3	PIATT 310 CONTRACT NO.	70717
	PLOT DATE = 10/16/2014	DATE -	4-10-2013	REVISED -		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.	ILLINOIS FED.	O PROJECT	

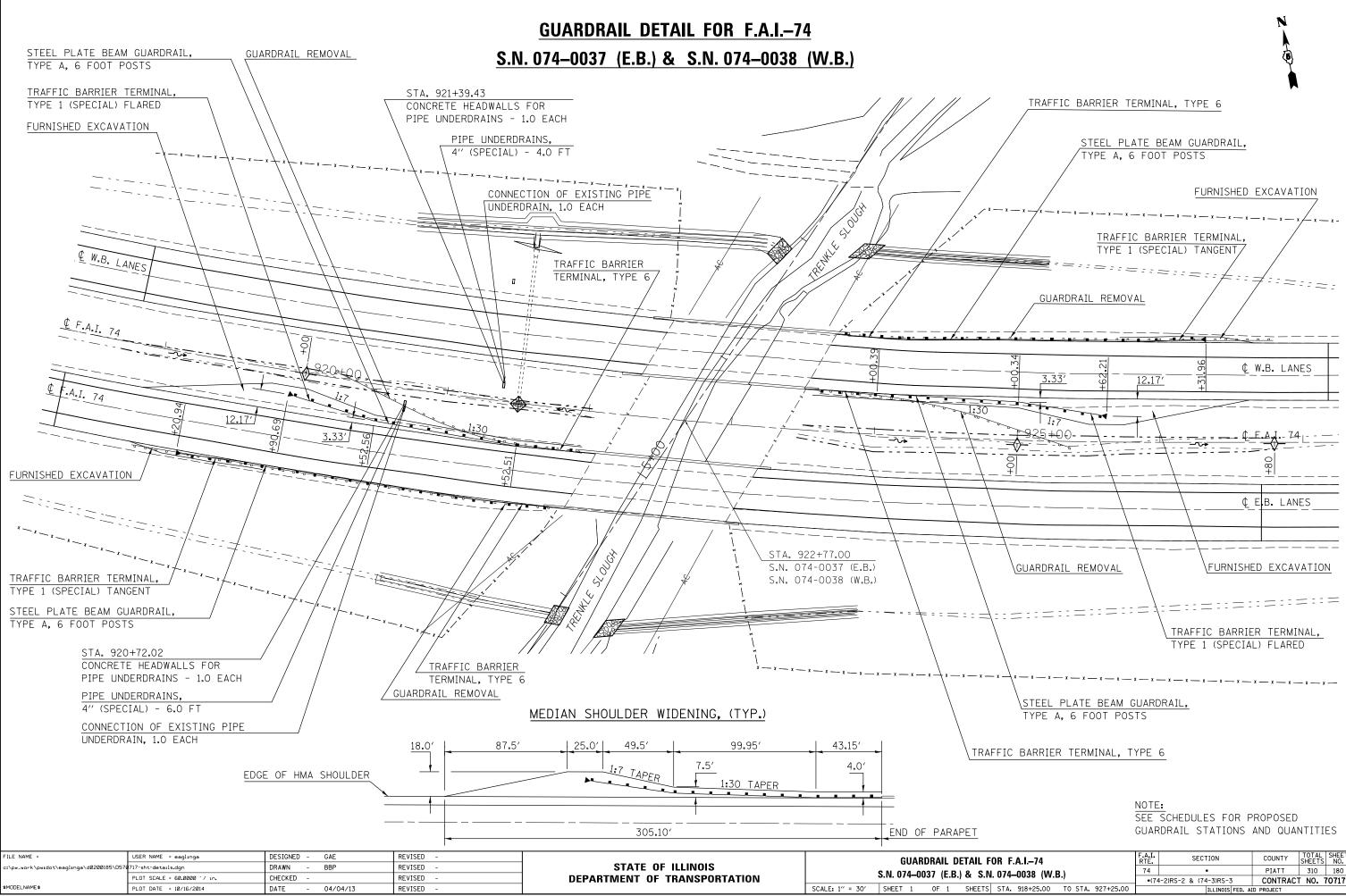
BILL	OF	MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	10	#5	3′-9″	
h1(E)	6	*5	11'-4 [!] /2''	
V(E)	10	3'-7''		
V1(E)	4	4'-3''		
v ₂ (E)	4	5'-0''		
∨3(E)	4	5′-9′′		
CONCRETE	STRUCTURE	s	CU. YD.	1.8
REINFORCE EPOXY CO	MENT BARS, ATED	POUND	220	
CONCRETE	REMOVAL	CU. YD.	1.2	
PROTECTIV	E COAT		SQ. YD.	8.0

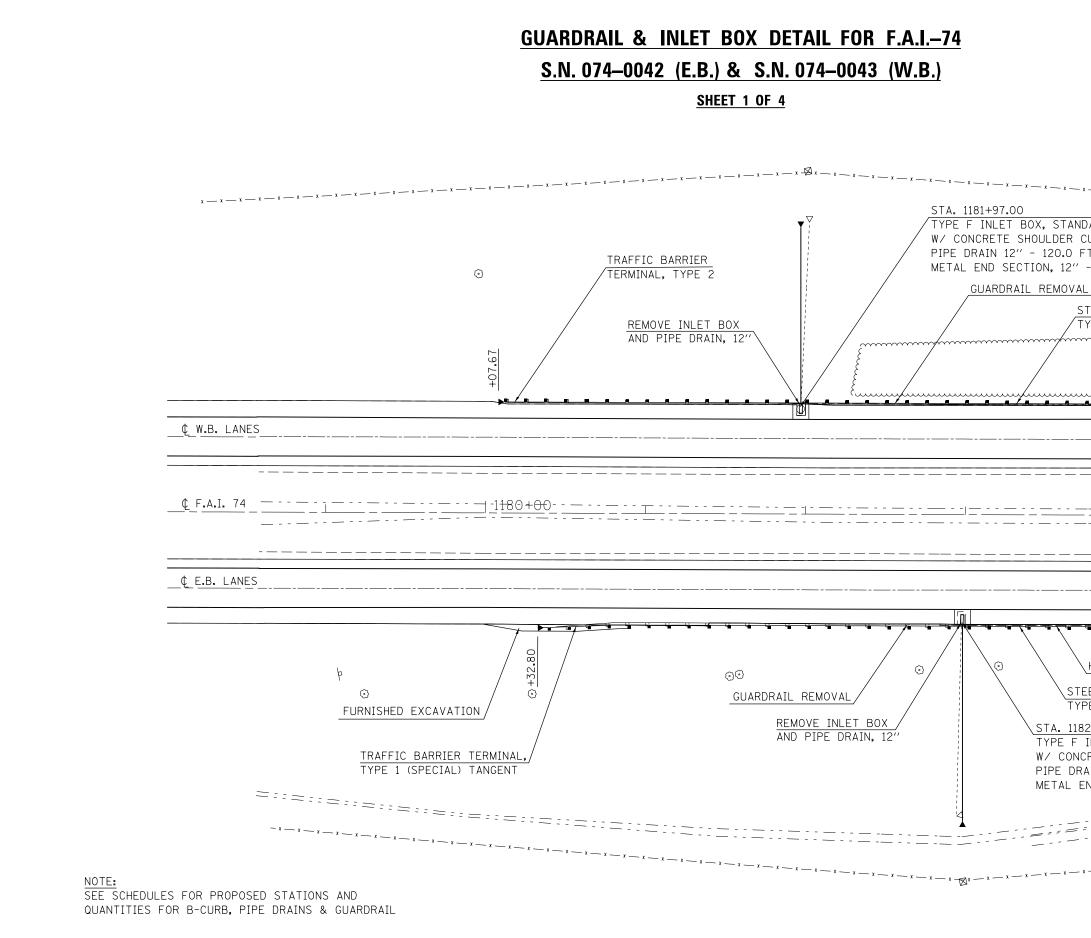


TULINOIS FED ATD PROJECT

FILE NAME =	USER NAME = eaglinga	DESIGNED -	REVISED -		Í .		٨٩	BUILT	г рі/	A R
c:\pw_work\pwidot\eaglinga\d0200193\D570	717 Structure Repair Plans-sht.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	1					
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1		5	.N. 074	4-00:	רנ
	PLOT DATE = 10/16/2014	DATE -	REVISED -		SCALE:	SHEET 2	0F	2 SH	IEETS	S



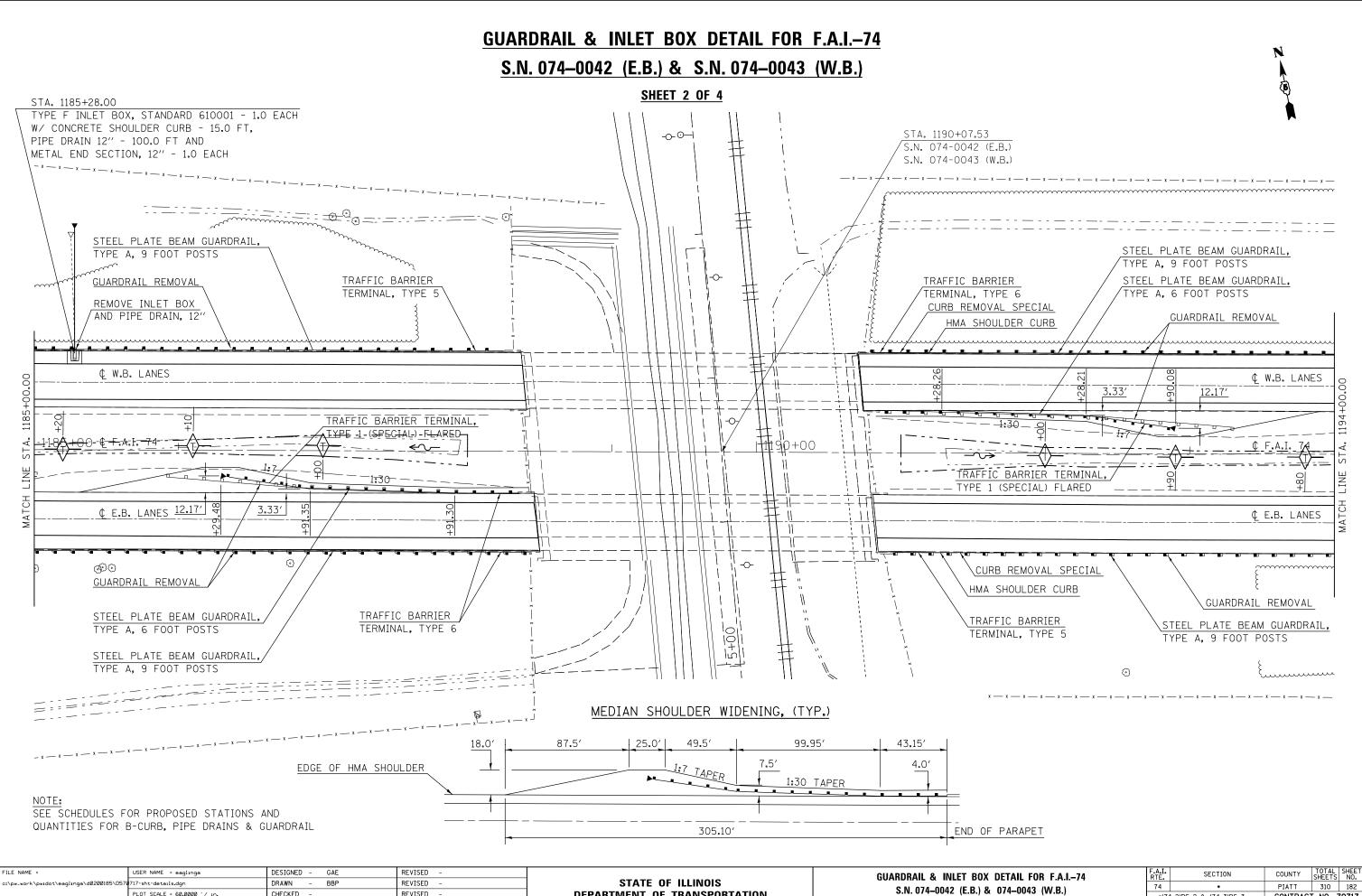
FOR F.A.I.–74	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.N. 074–0038 (W.B.)				310	180
.14. 074-0038 (44.0.)	*(74-2)RS-2 & (74-3)RS-3 CONTRACT NO.			70717	
TS STA. 918+25.00 TO STA. 927+25.00	ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = eaglinga	DESIGNED - GAE	REVISED -		GUARDRAIL & INLET BOX DET
c:\pw_work\pwidot\eaglinga\d0200185\D570	717-sht-details.dgn	DRAWN - BBP	REVISED -	STATE OF ILLINOIS	
	PLOT SCALE = 60.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074–0042 (E.B.) & 074
\$MODELNAME\$	PLOT DATE = 10/16/2014	DATE - 04/04/13	REVISED -		SCALE: 1" = 30' SHEET 1 OF 4 SHEETS S

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	5
x - x - x - x - x - x - x - x - x - x -	
- 1.0 EACH <u>TEEL PLATE BEAM GUARDRAIL,</u> YPE A, 9 FOOT POSTS <u>CURB REMOVAL SPECIAL</u> <u>HMA SHOULDER CURB</u>	
¢ w.b. lanes	1185+00.00
	MATCH LINE STA.
CURB REMOVAL SPECIAL HMA SHOULDER CURB EEL PLATE BEAM GUARDRAIL,	
PE A, 9 FOOT POSTS 2+98.00 INLET BOX, STANDARD 610001 - 1.0 CRETE SHOULDER CURB - 15.0 FT, AIN 12'' - 135.0 FT AND ND SECTION, 12'' - 1.0 EACH	D EACH
x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-	

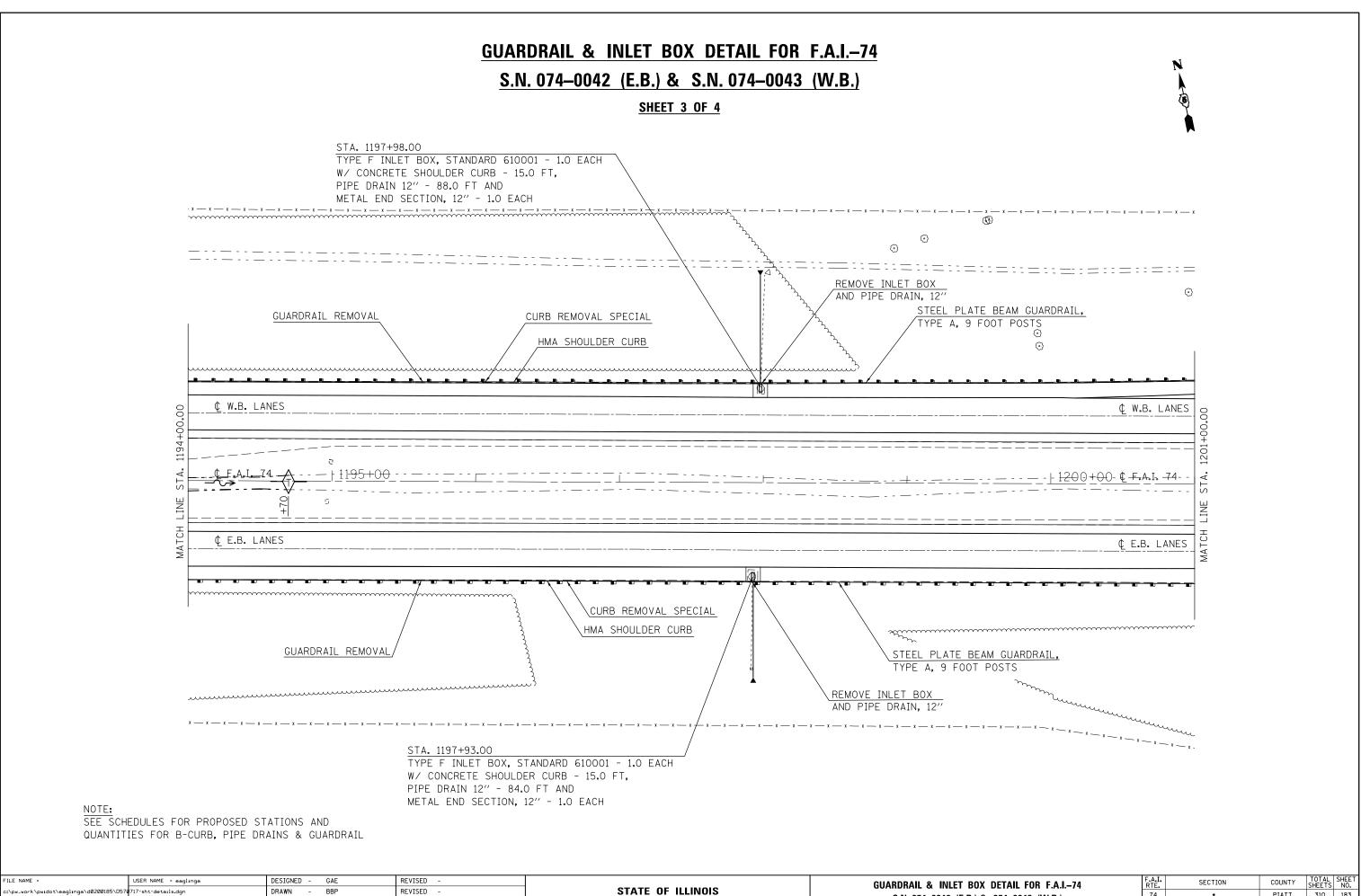
DETAIL FOR F.A.I.–74	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
074–0043 (W.B.)		*	PIATT	310	181
074-0045 (W.B.)	*(74	-2)RS-2 & (74-3)RS-3	CONTRAC	T NO. 1	70717
S STA. 1178+00.00 TO STA. 1185+00.00		ILLINOIS FED. AI	D PROJECT		



inga\d0200185\D570	717-sht-details.dgn	DRAWN – BBP	REVISED -	STATE OF ILLINOIS	GU	
	PLOT SCALE = 60.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	L	S.N. 074-
	PLOT DATE = 10/16/2014	DATE - 04/04/13	REVISED -		SCALE: 1" = 30'	SHEET 2

\$MODELNAME\$

& INLET BOX DETAIL FOR F.A.I74						SECT	TION	COUNTY	TOTAL SHEETS	SHEET NO.
4–0042 (E.B.) & 074–0043 (W.B.)				74		•	PIATT	310	182	
4-0042	-0042 (E.D.) & 074-0043 (W.D.)					-2)RS-2 & (74	1-3)RS-3	CONTRAC	Γ NO. 7	70717
0F	4	SHEETS	STA. 1185+00.00	TO STA.1194+00.00			ILLINOIS FED.	AID PROJECT	-	

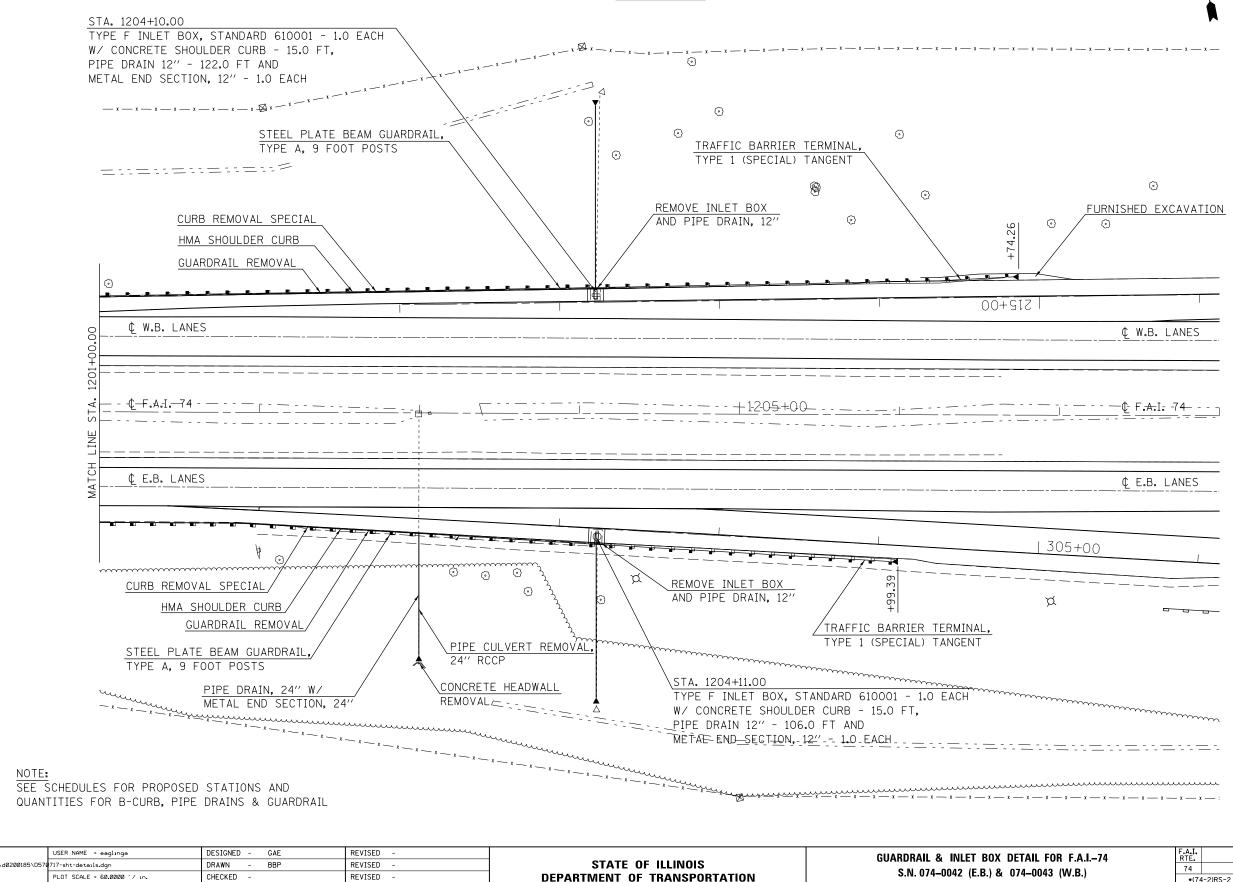


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	PLOT SCALE = 60.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S.N. 074–0042 (E.B.) & 074–0043 (W.B.)	*(74-2)RS-2 & (74-3)RS-3	CONTRACT NO.	0. 70717
\$MODELNAME\$	PLOT DATE = 10/16/2014	DATE - 04/04/13	REVISED -		SCALE: 1" = 30' SHEET 3 OF 4 SHEETS STA. 1194+00.00 TO STA. 1201+00.00	ILLINOIS FED. A	ID PROJECT	

GUARDRAIL & INLET BOX DETAIL FOR F.A.I.-74

S.N. 074–0042 (E.B.) & S.N. 074–0043 (W.B.)

SHEET 4 OF 4



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\$MODELNAME\$

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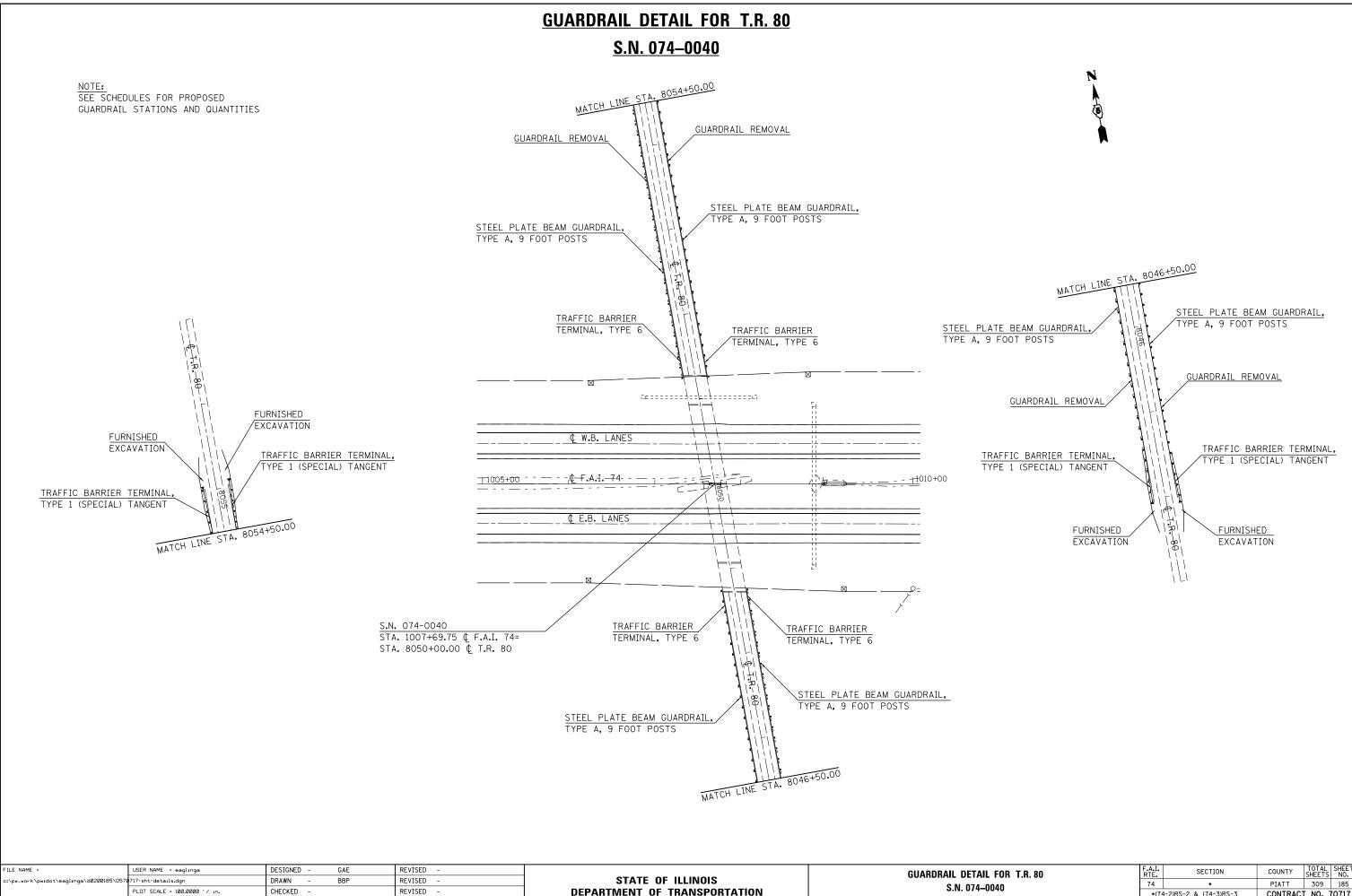
PLOT DATE = 10/16/2014

DATE - 04/04/13

REVISED



	GUARDRAIL & INLET BOX DETAIL FOR F.A.I74 S.N. 074-0042 (E.B.) & 074-0043 (W.B.)									SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
										*	PIATT	310	184
		5.14. 0		0042	(D. / CC U	/		*(74	I-2)RS-2 & (74-3)RS-3	CONTRAC	T NO.	70717
SCALE	1 1'' = 30'	SHEET	4	0F	4	SHEETS	STA. 1201+00.00	T0 STA.1208+00.00	0 ILLINOIS FED. AID PROJECT				



REVISED **DEPARTMENT OF TRANSPORTATION** REVISED SCALE: 1" = 50' SHEET 1 OF 1 SHEETS

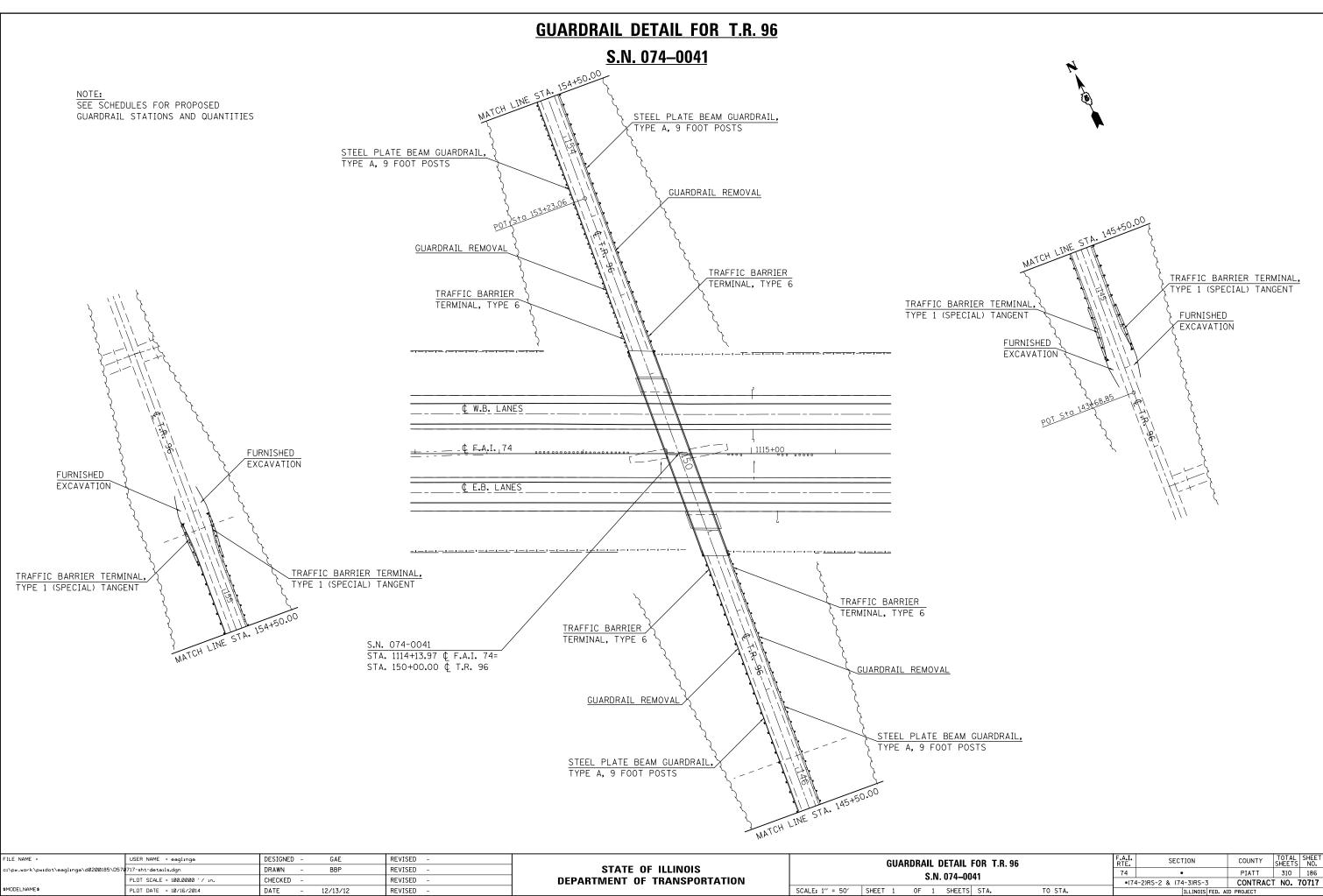
\$MODELNAME\$

PLOT DATE = 10/16/2014

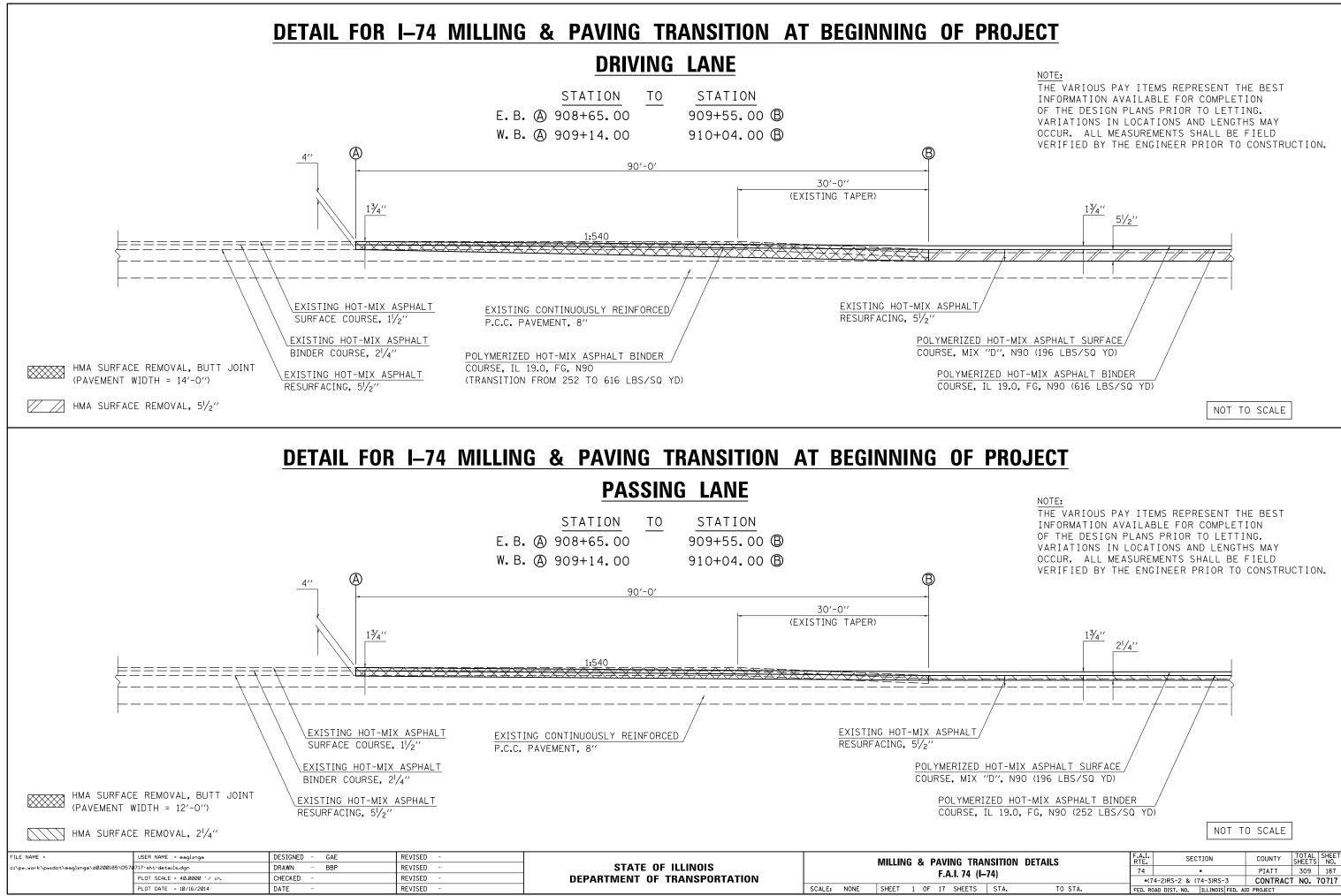
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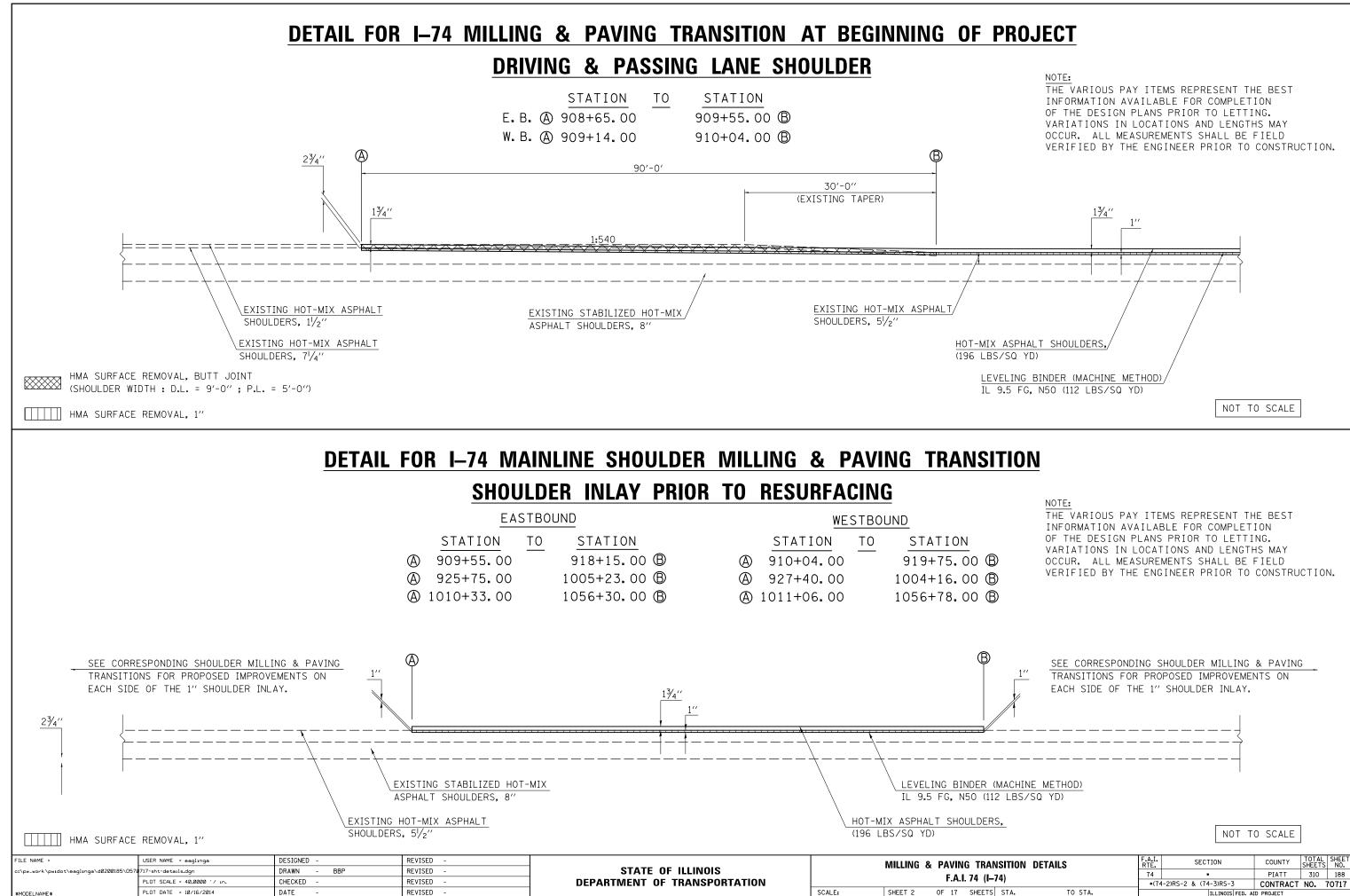
12/13/12

L FOR T.R. 80 0040			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
			74	•	309	185			
			*(74	*(74-2)RS-2 & (74-3)RS-3 CON			70717		
٢S	STA.	TO STA.		ILLINOIS FED. AID PROJECT					



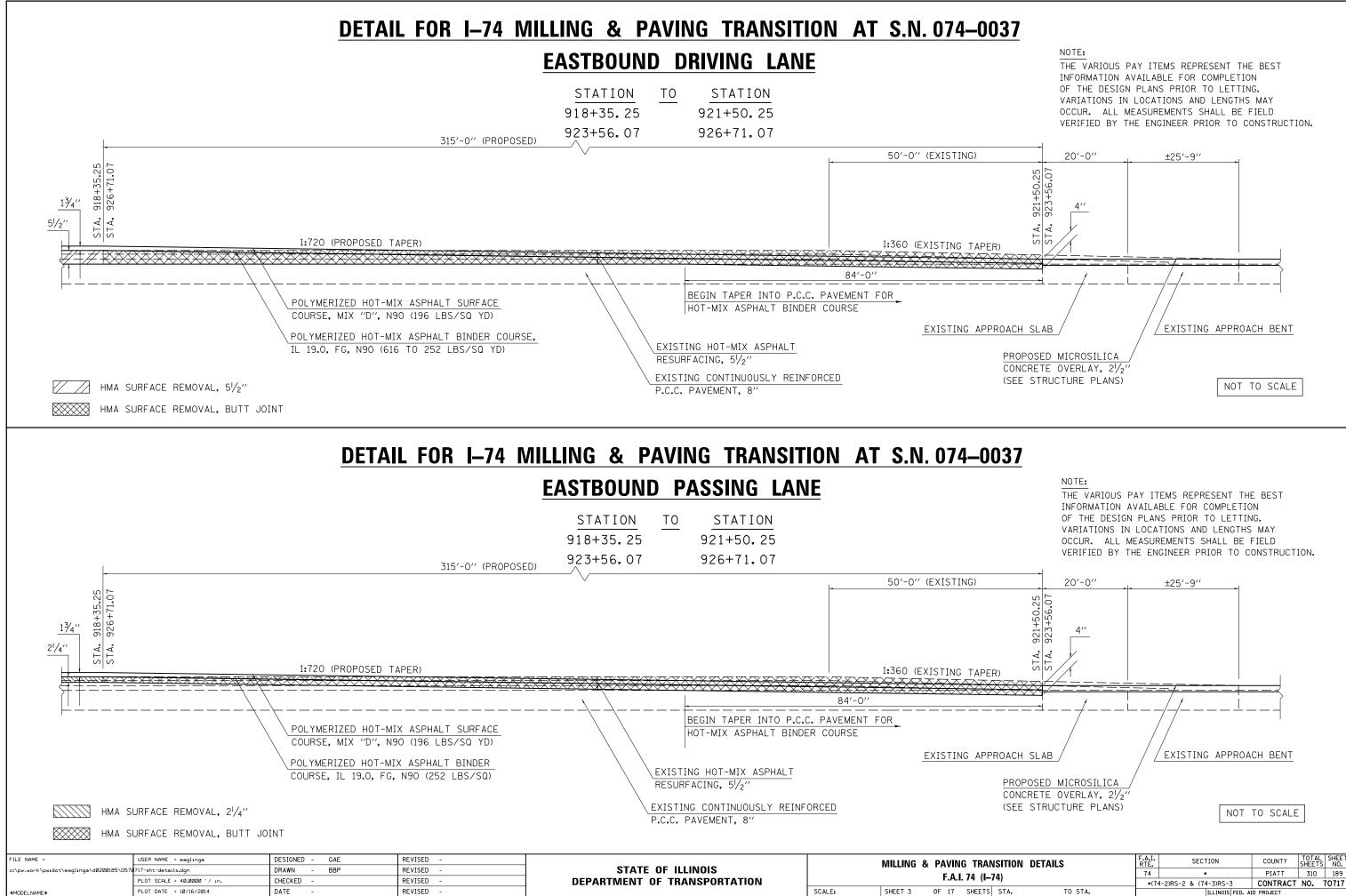
	run I.n. 30		RIE.			SHEETS	NO.
n	41		74	*	PIATT	310	186
_			*(7-	4-2)RS-2 & (74-3)RS-3	CONTRAC	T NO.	70717
s	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

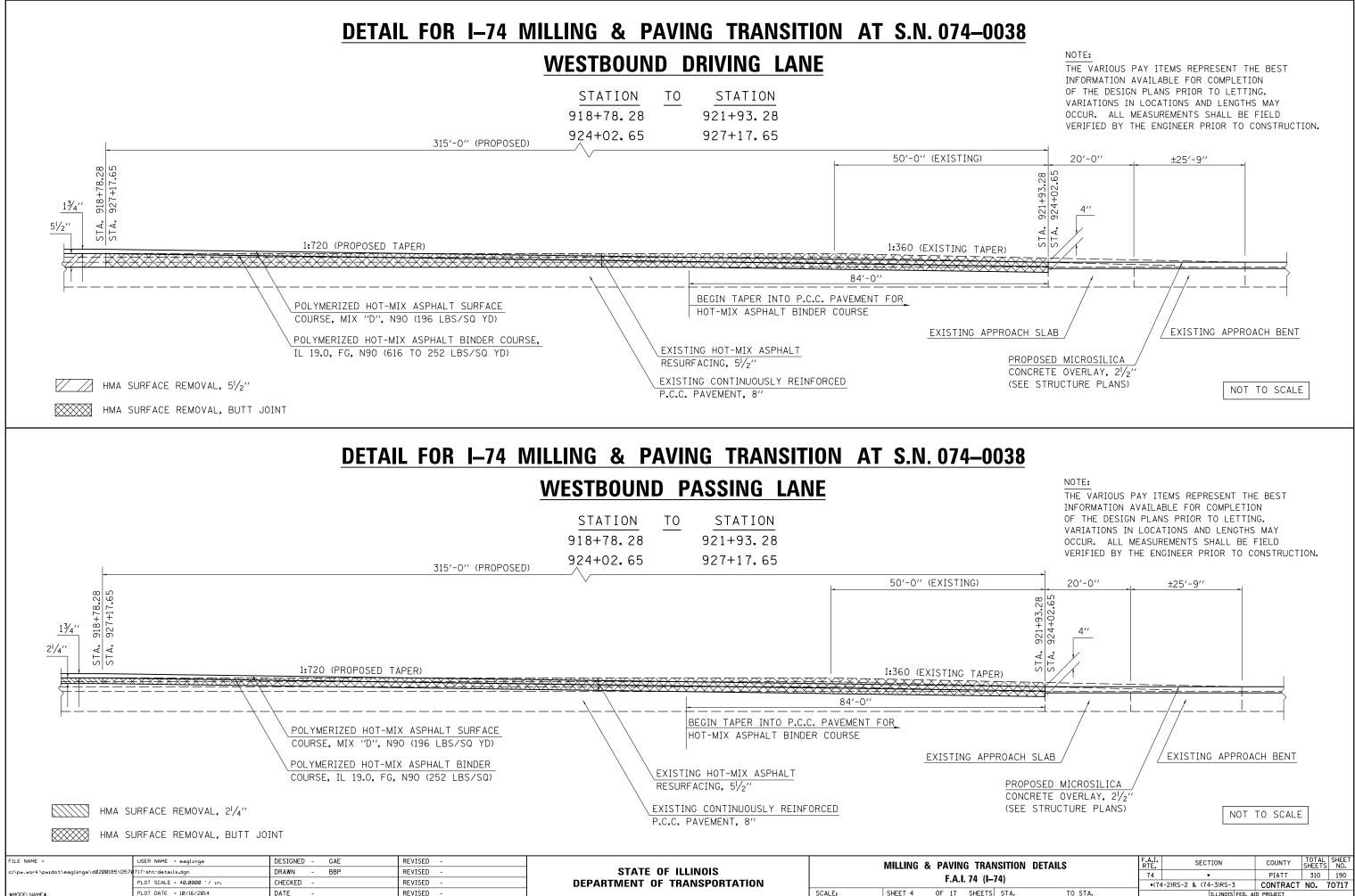


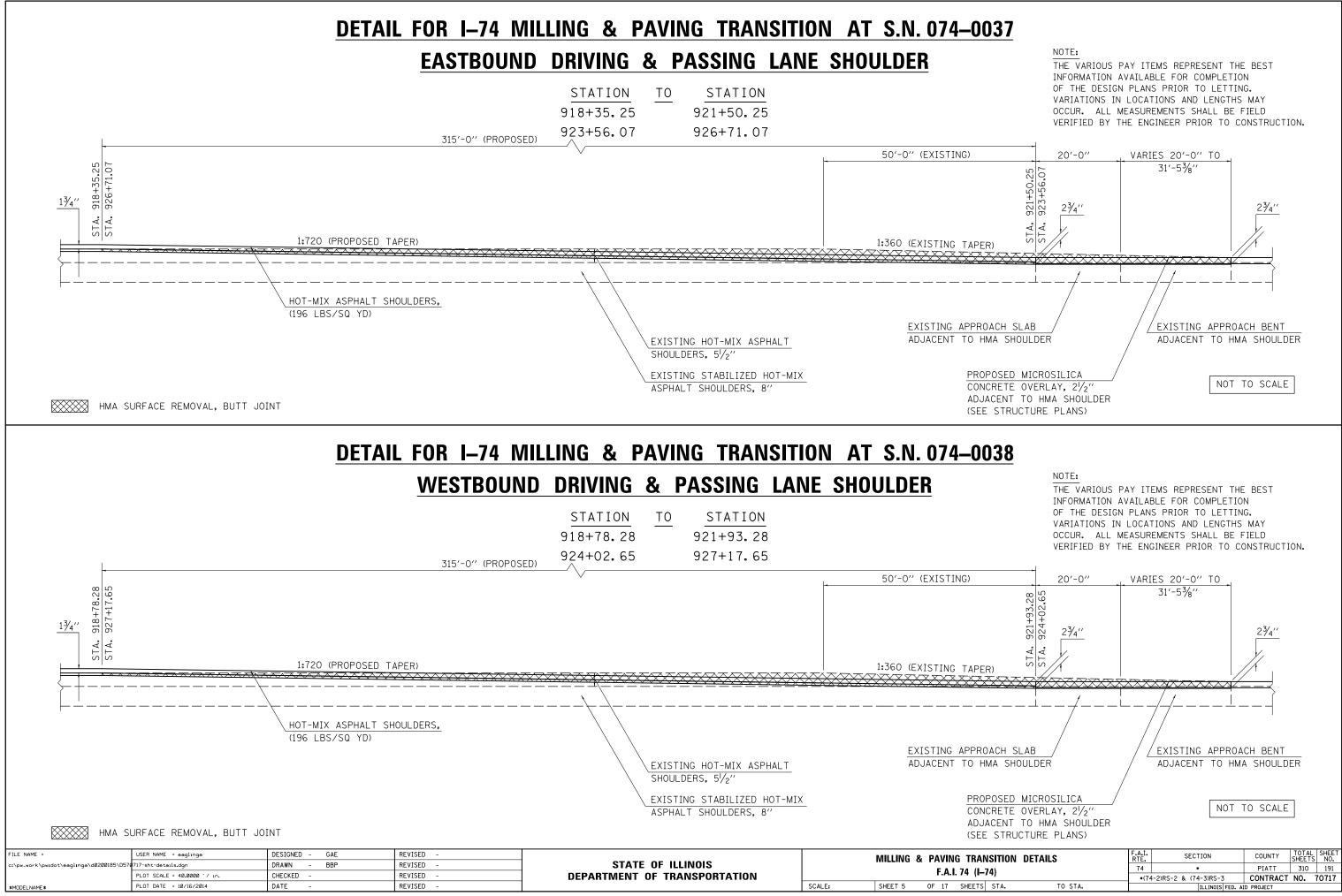


INFORMATION AN OF THE DESIGN VARIATIONS IN OCCUR. ALL ME	VAILAB PLANS LOCAT ASUREN	MS REPRESENT TH LE FOR COMPLET: PRIOR TO LETTI IONS AND LENGTH MENTS SHALL BE M INEER PRIOR TO	ION NG. IS MAY FIELD	CTIO	Ν.
1" TRANSITIONS FO	OR PROF	HOULDER MILLING POSED IMPROVEMEN SHOULDER INLAY.		5	
(MACHINE METHOD) 112 LBS/SQ YD) RS,			D SCALE]	
ANSITION DETAILS	F.A.I. RTE. 74	SECTION	COUNTY PIATT	TOTAL SHEETS 310	SHEET NO. 188

ANSITION DETAILS		RTE.	SECTION	COUNTY	SHEETS	NO.			
L_'	-74)			*	PIATT	310	188		
-/+/			*(7-	4-2)RS-2 & (74-3)RS-3	CONTRACT	NO. 1	70717		
TS	STA.	TO STA.		ILLINOIS FED. AID PROJECT					





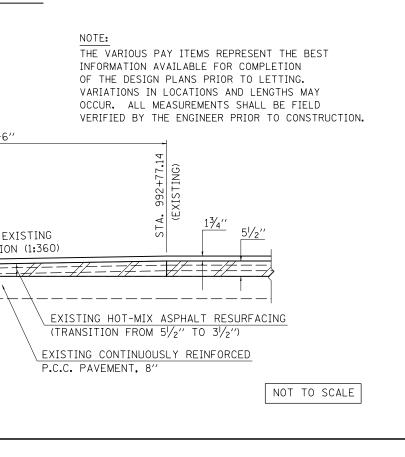


DETAIL FOR I-74 MILLING & PAVING TRANSITION AT S.N. 074-0039 **EASTBOUND DRIVING LANE** NOTE: THE TRANSITION AREA TO BE MILLED AT THE ACROSS ROAD STRUCTURE SHALL BE INCLUDED IN STATION ΤO STATION THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT 992+77.14 991+11.80 SURFACE REMOVAL, 5-1/2" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES. 60'-4'' 52'-6'' 52'-6" . 992+24.64 XISTING) 991+64.30 991+11.80 (ISTING) STA. (EX 13⁄4″ 13⁄4″ 3[|]/2'' 51/2" MATCH EXISTING MATCH EXISTING TRANSITION (1:360) TRANSITION (1:360) =#= -H - + HPOLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, FG, N90 (TRANSITION FROM 616 TO 392 LBS/SQ YD) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (196 LBS/SQ YD) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, FG, N90 (616 LBS/SQ YD) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, FG, N90 (392 LBS/SQ YD) HMA SURFACE REMOVAL, 51/2" DETAIL FOR I-74 MILLING & PAVING TRANSITION AT S.N. 074-0039 **EASTBOUND PASSING LANE** NOTE: THE TRANSITION AREA TO BE MILLED AT THE ACROSS ROAD STRUCTURE SHALL BE INCLUDED IN STATION STATION ΤO THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT 992+77.14 SURFACE REMOVAL, 2-1/4" AND NO ADDITIONAL 991+11.80 COMPENSATION SHALL BE ALLOWED FOR ANY VARIABLE THICKNESSES. 60'-4'' 52'-6'' 52'-6'' 991+64.30 EXISTING: (EXISTING) STA. 13⁄4′′ 13⁄4′′ <u>3½″</u> $2^{1}/4^{\prime}$ MATCH EXISTING MATCH EXISTING TRANSITION (1:360) TRANSITION (1:360) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (196 LBS/SQ YD) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, FG, N90 (252 LBS/SQ YD) HMA SURFACE REMOVAL, 21/4" FILE NAME DESIGNED – GAE REVISED USER NAME = eaglings MILLING & PAVING TRAI STATE OF ILLINOIS 17-sht-details.don DRAWN -BBP REVISED :\pw_work\pwidot\eagling 140200185105 F.A.I. 74 (I-LOT SCALE = 40.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET 6 OF 17 SHEETS

PLOT DATE = 10/16/2014

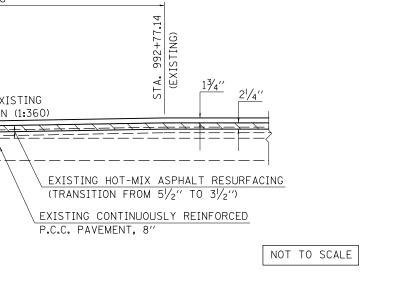
DATE

REVISED



NOTE:

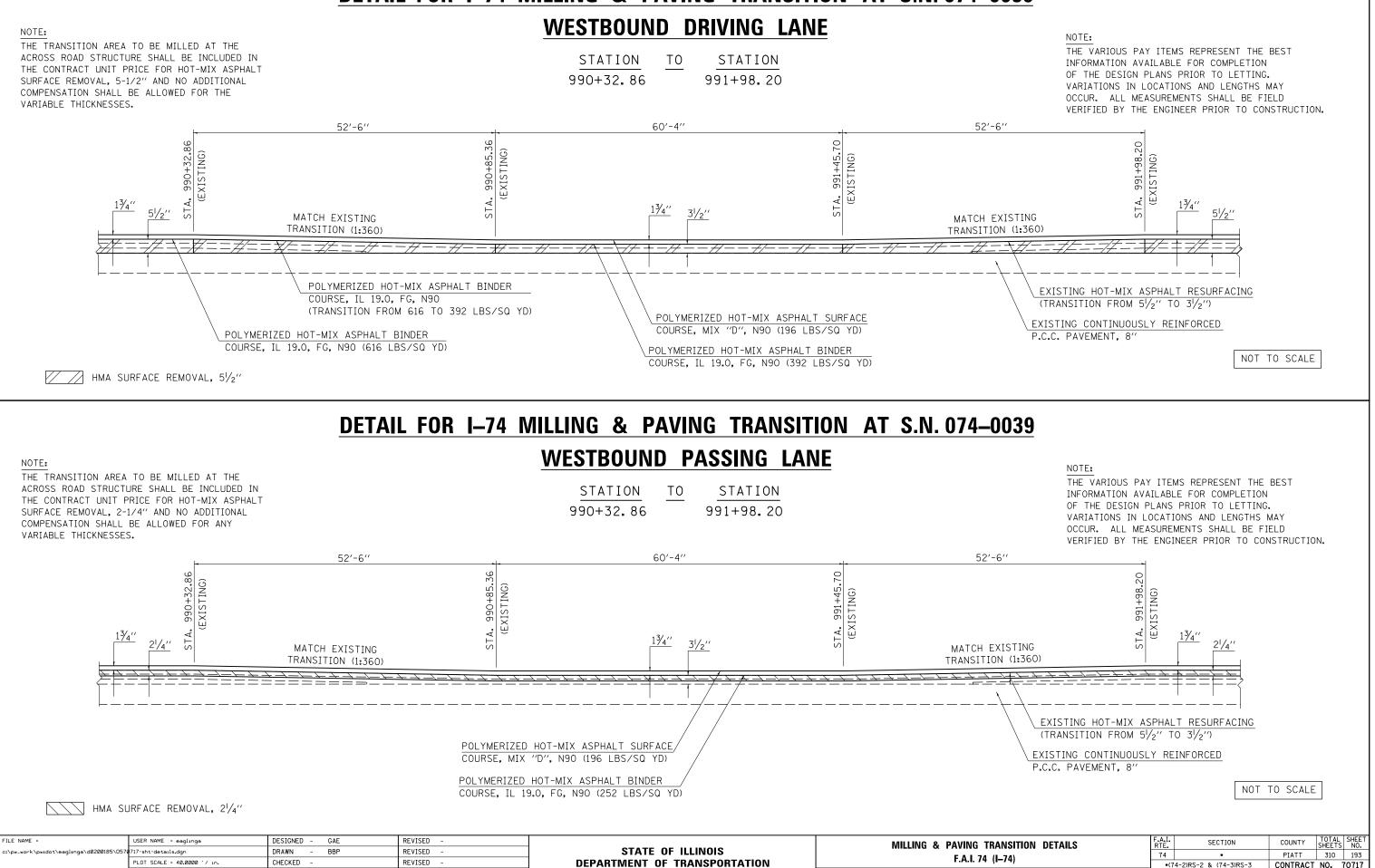
THE VARIOUS PAY ITEMS REPRESENT THE BEST INFORMATION AVAILABLE FOR COMPLETION OF THE DESIGN PLANS PRIOR TO LETTING. VARIATIONS IN LOCATIONS AND LENGTHS MAY OCCUR. ALL MEASUREMENTS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.



ANSITION DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
-74)	74	•	PIATT	310	192			
- / + /	*(7	4-2)RS-2 & (74-3)RS-3	CONTRACT	NO. 7	70717			
S STA. TO STA.	ILLINOIS FED. AID PROJECT							

DETAIL FOR I-74 MILLING & PAVING TRANSITION AT S.N. 074-0039

STATION ΤO 990+32.86



SCALE:

SHEET 7

MODELNAME

THE TRANSITION AREA TO BE MILLED AT THE ACROSS ROAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL. 2-1/4" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR ANY VARIABLE THICKNESSES.

PLOT DATE = 10/16/2014

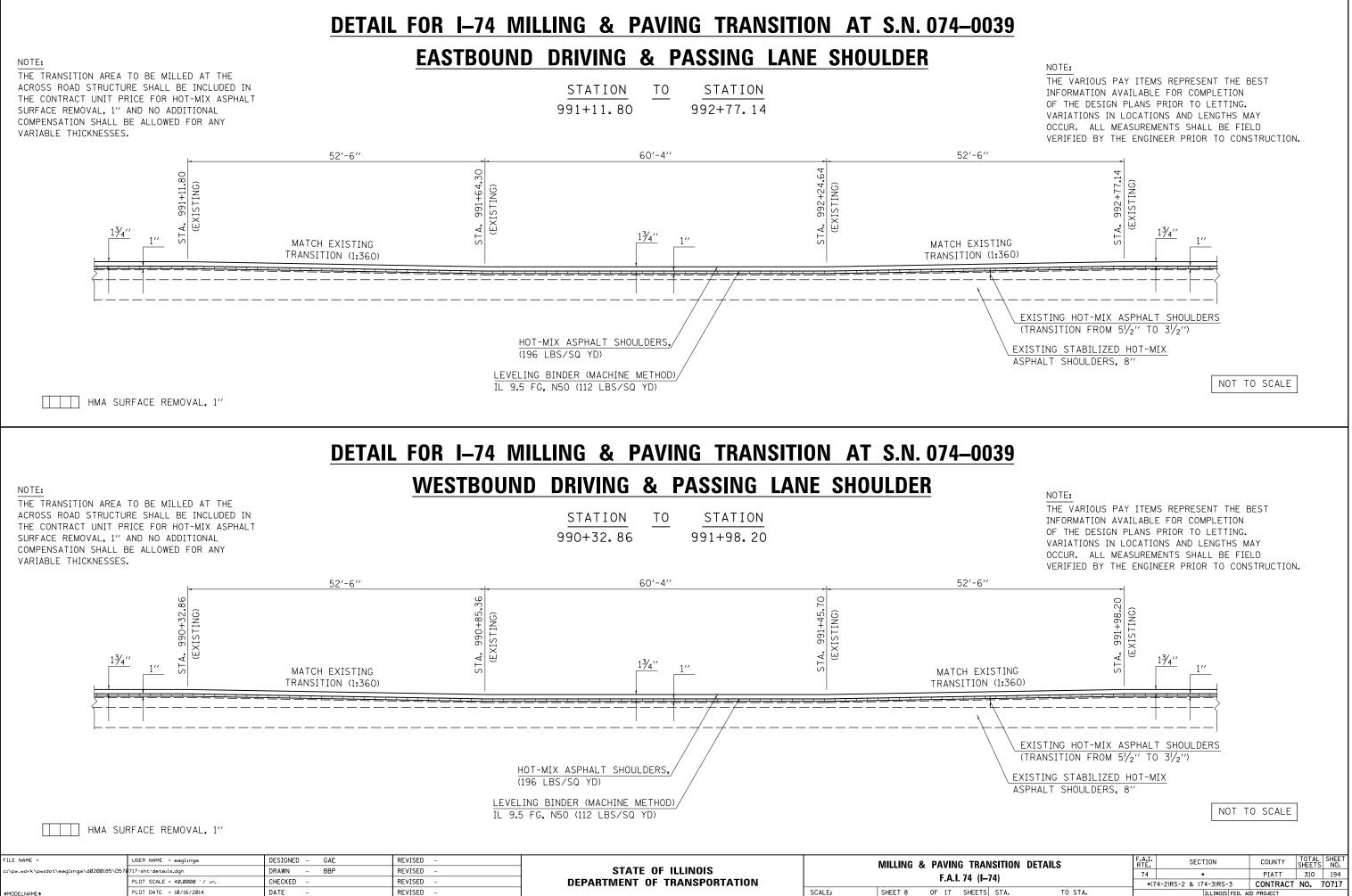
DATE

REVISED

STATION	TO	STATION
990+32.86		991+98.20

	L .	52'-6''	- l-	60'-4''	52'-6
	EXISTING)	MATCH EXISTING TRANSITION (1:360)	STA. 990+85.36 (EXISTING)		STA. 991+45.70 (EXISTING) MATCH EX ILLING)
			COURSE, MIX	HOT-MIX ASPHALT SURFACE	
				HOT-MIX ASPHALT BINDER	
HMA SU	IRFACE REMOVAL, 2 ¹ /4''		,		
idot\eaglinga\d0200185\D570	USER NAME = eaglinga	DESIGNED – GAE DRAWN – BBP	REVISED – REVISED –	STATE OF ILLINOIS	MILLING & PAVING TRA
isst issgrings (db2bbidd (bb/b		DICAWIN - DDI		STATE OF TRANSPORTATION	F.A.I. 74 (I

*(74-2)RS-2 & (74-3)RS-3 CONTRACT NO. 70717 OF 17 SHEETS STA. TO STA. TULINOIS FED ATD PROJECT



PLOT DATE = 10/16/2014

DATE

REVISED

۱۸	ISITION DETAILS		RTE	SECTION		COUNTY	SHEETS	NO.
	74)		74	•		PIATT	310	194
_	,		*(7	4-2)RS-2 & (74-3)RS-3		CONTRACT	NO. 7	70717
S	STA. TO	STA.		ILLINOIS FEE	D. AID	PROJECT		

DETAIL FOR I-74 MILLING & PAVING TRANSITION UNDER S.N. 074-0040

NOTE:

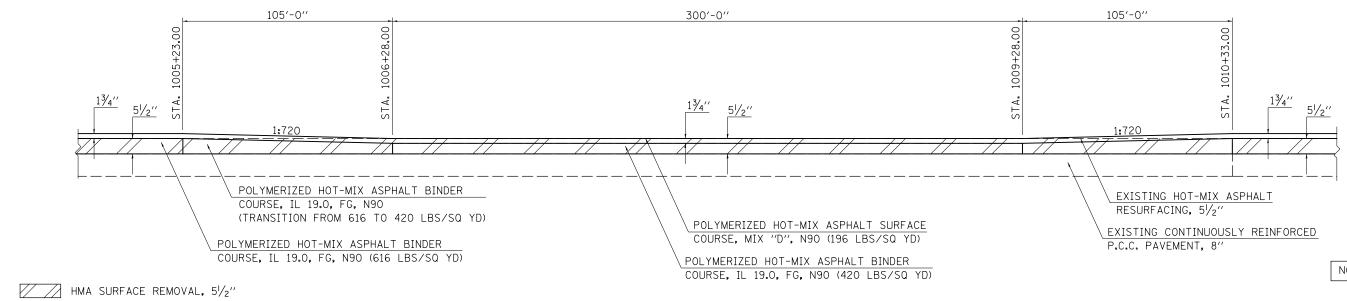
THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 5-1/2" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES.

NOTE:

UPON COMPLETION OF THE PROJECT. THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

EASTBOUND DRIVING LANE

STATION	TO	STATION
1005+23.00		1010+33.00



DETAIL FOR I-74 MILLING & PAVING TRANSITION UNDER S.N. 074-0040

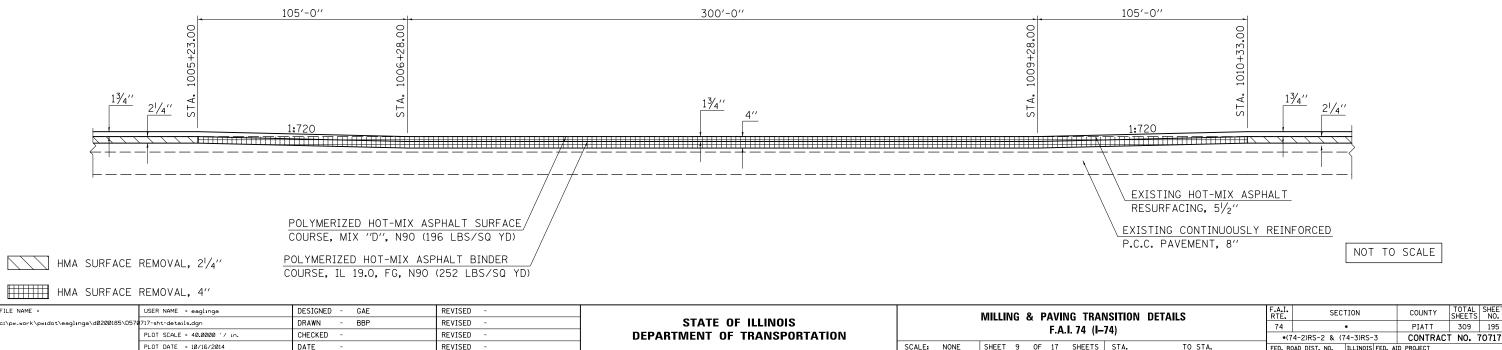
EASTBOUND PASSING LANE

NOTE: THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 4" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES.

NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

STATION ΤO STATION 1005+23.00

1010+33.00



NOTE: THE VARIOUS PAY ITEMS REPRESENT THE BEST INFORMATION AVAILABLE FOR COMPLETION OF THE DESIGN PLANS PRIOR TO LETTING. VARIATIONS IN LOCATIONS AND LENGTHS MAY OCCUR. ALL MEASUREMENTS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.

NOT TO SCALE

NOTE:

THE VARIOUS PAY ITEMS REPRESENT THE BEST INFORMATION AVAILABLE FOR COMPLETION OF THE DESIGN PLANS PRIOR TO LETTING. VARIATIONS IN LOCATIONS AND LENGTHS MAY OCCUR, ALL MEASUREMENTS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.

ANSITION DETAILS –74)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		74	*	PIATT	309	195		
-74)			*(7	4-2)RS-2 & (74-3)RS-3	CONTRAC	T NO. 1	70717	
;	STA.	TO STA.	FED. R	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETAIL FOR I-74 MILLING & PAVING TRANSITION UNDER S.N. 074-0040

NOTE:

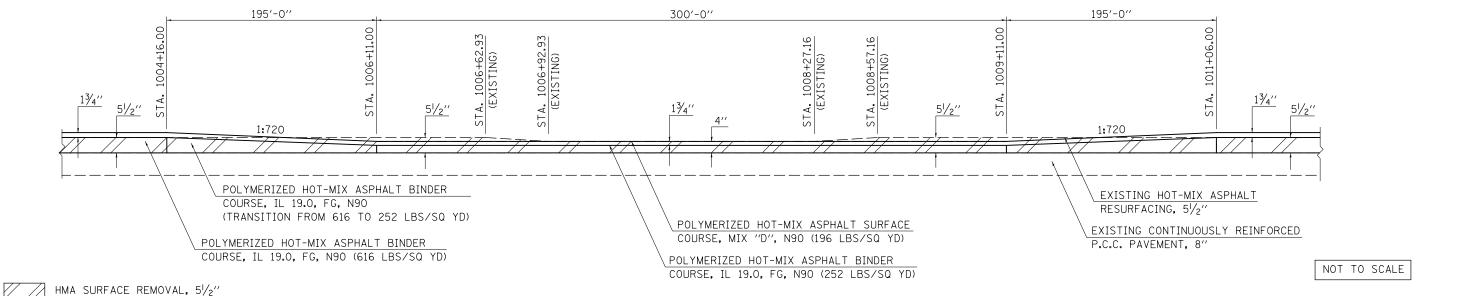
THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 5-1/2" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES.

NOTE:

UPON COMPLETION OF THE PROJECT, THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

WESTBOUND DRIVING LANE

STATION STATION ΤO 1004+16.00 1011+06.00



DETAIL FOR I-74 MILLING & PAVING TRANSITION UNDER S.N. 074-0040

NOTE:

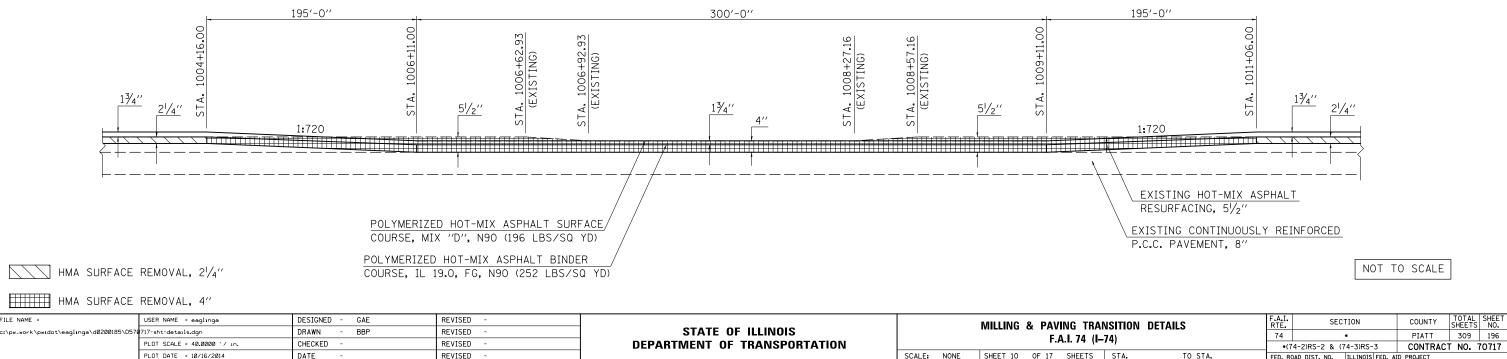
THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 4" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES.

NOTE:

UPON COMPLETION OF THE PROJECT, THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

WESTBOUND PASSING LANE

STATION ΤO STATION 1004+16.00 1011+06.00



NOTE: THE VARIOUS PAY ITEMS REPRESENT THE BEST INFORMATION AVAILABLE FOR COMPLETION OF THE DESIGN PLANS PRIOR TO LETTING. VARIATIONS IN LOCATIONS AND LENGTHS MAY OCCUR. ALL MEASUREMENTS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.

NOTE:

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ANSITION DETAILS (F.A.I. RTE.	SEC	TION	COUNTY	SHEETS	NO.		
		74		•	PIATT	309	196		
		*(7	4-2)RS-2 & (7	74-3)RS-3	CONTRAC	T NO. T	70717		
	STA.	TO STA.	FED. RO	DAD DIST. NO.	ILLINOIS FED.	AID PROJECT			
_									1

DETAIL FOR I-74 MILLING & PAVING TRANSITION UNDER S.N. 074-0040

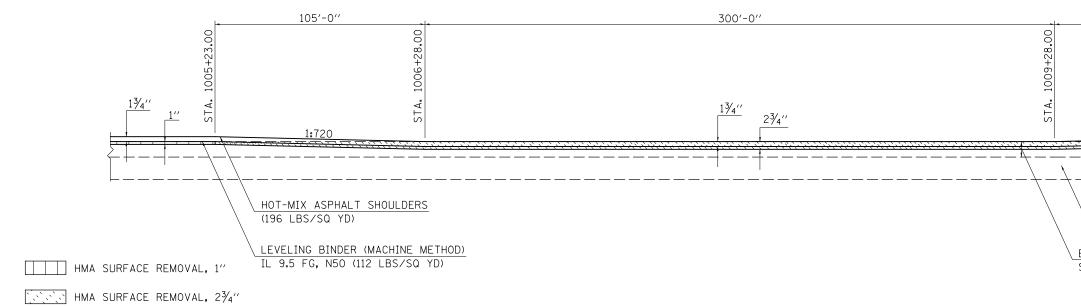
EASTBOUND DRIVING & PASSING LANE SHOULDER

THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 2-3/4" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE VARIABLE THICKNESSES.

UPON COMPLETION OF THE PROJECT. THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

NOTE:

STATION	ТО	STATION
1005+23.00		1010+33.00



DETAIL FOR I–74 MILLING & PAVING TRANSITION UNDER S.N. 074–0040

WESTBOUND DRIVING & PASSING LANE SHOULDER

NOTE: THE TRANSITION AREA TO BE MILLED UNDER THE OVERHEAD STRUCTURE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, 2-3/4" AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE

PLOT DATE = 10/16/2014

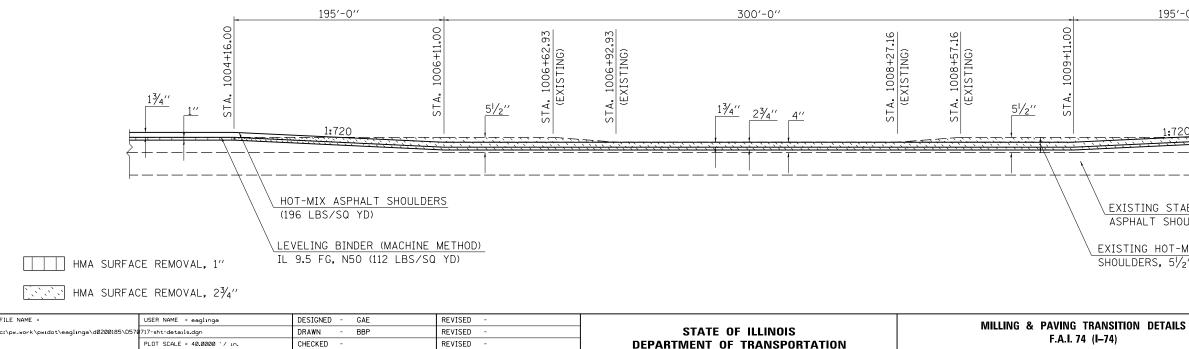
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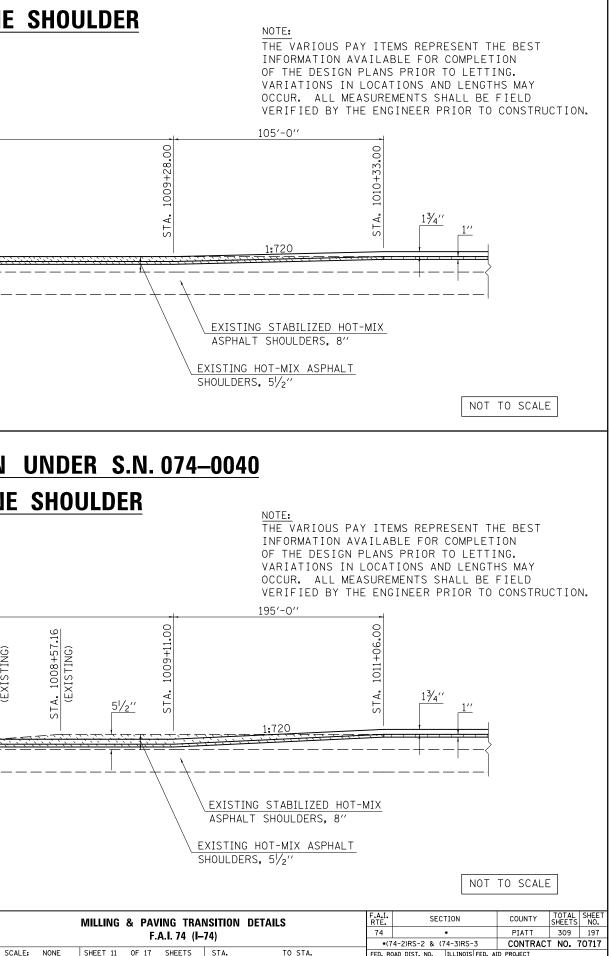
VARIABLE THICKNESSES.

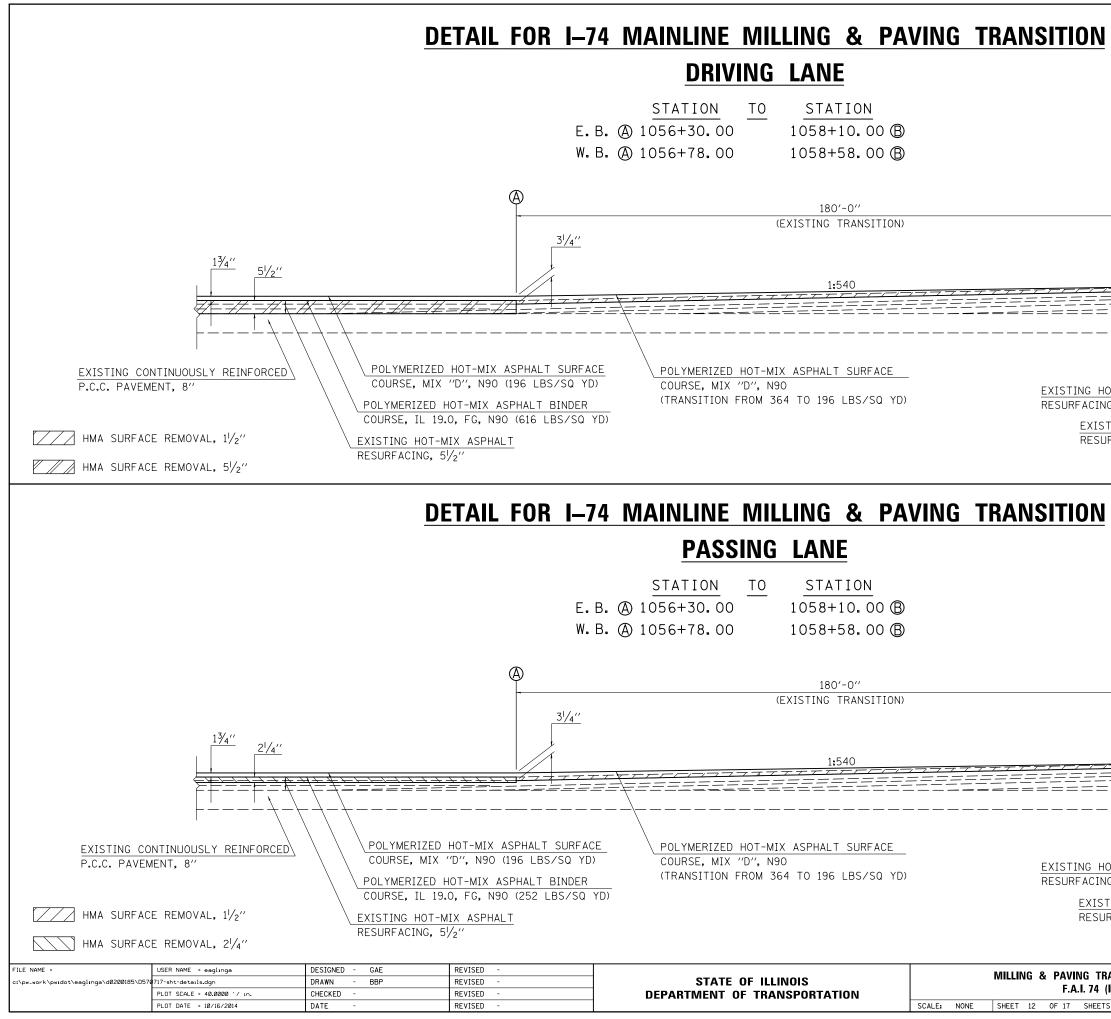
NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICAL CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURES SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

REVISED

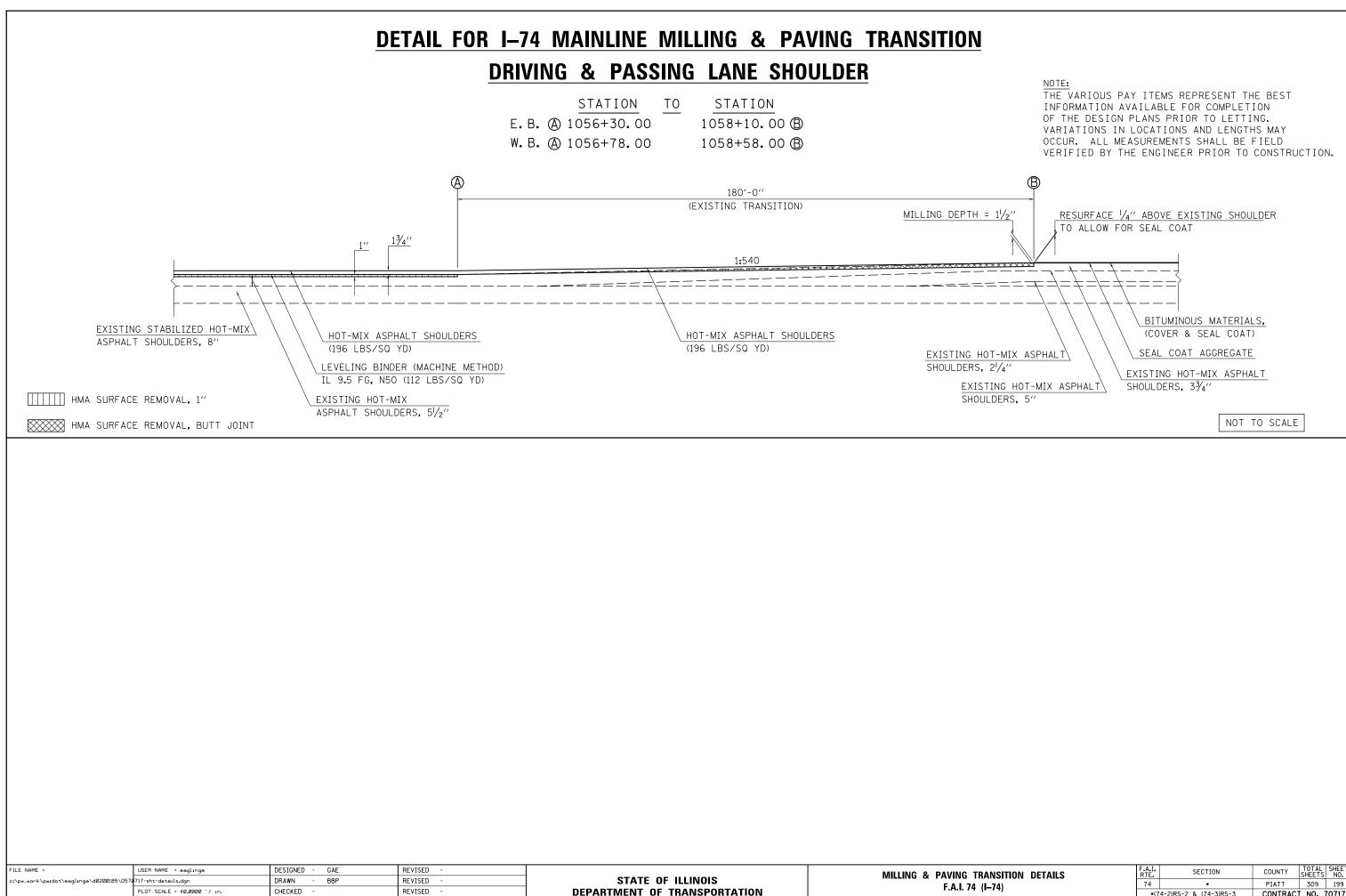
STATION ΤO STATION 1004+16.00 1011+06.00







S STA. TO STA.	•(74-2)RS-2 & (74-3)RS-3 CON FED. ROAD DIST. NO. ILLINOIS FED. AID PROJE	NTRACT NO. 70717
ANSITION DETAILS (I–74)	RIE.	JNTY TOTAL SHEET SHEETS NO. ATT 309 198
	NOT TO S	
	INDER COURSE, 2 ¹ /4"	
TING HOT-MIX ASPHALT	XISTING HOT-MIX ASPHALT	
	EXISTING HOT-MIX ASPHALT SURFACE COURSE, $1^{1}/_{2}^{\prime\prime}$	
	POLYMERIZED HOT-MIX ASP Course, MIX "D", N90 (196	
B		
OF THE DESIGN PL VARIATIONS IN LO OCCUR, ALL MEAS	ILABLE FOR COMPLETION LANS PRIOR TO LETTING. OCATIONS AND LENGTHS M SUREMENTS SHALL BE FIEL ENGINEER PRIOR TO CONS	D
	ITEMS REPRESENT THE BE	EST
	NOT TO S	CALE
TING HOT-MIX ASPHALT	XISTING HOT-MIX ASPHALT INDER COURSE, 2 ¹ /4''	
	EXISTING HOT-MIX ASPHALT SURFACE COURSE, $1^{1}_{2}^{\prime\prime}$	
	VPOLYMERIZED HOT-MIX ASF COURSE, MIX "D", N90 (196	
	13/4''	
	ENGINEER PRIOR TO CONS	
OF THE DESIGN PL VARIATIONS IN L	ILABLE FOR COMPLETION LANS PRIOR TO LETTING. OCATIONS AND LENGTHS M. SUREMENTS SHALL BE FIEL	
	ITEMS REPRESENT THE BE	EST

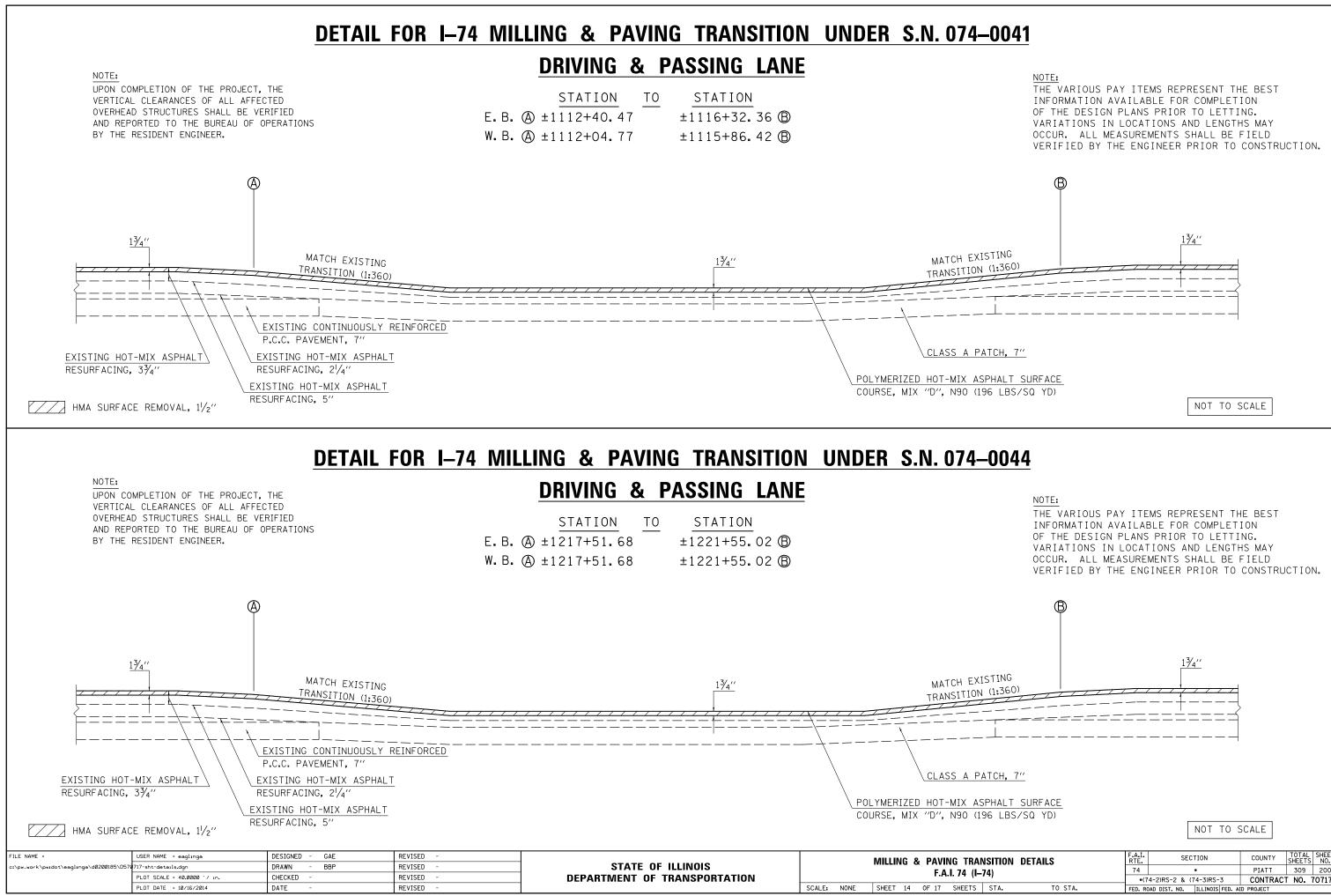


PLOT DATE = 10/16/2014

DATE

REVISED

ANSITION DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
– 74)		74	* PIATT 309 1		199		
			*(7	4-2)RS-2 & (74-3)RS-3	CONTRAC	T NO. 1	70717
	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOT	ΤO	SCALE
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ANSITION DETAILS		F.A.I. RTE.	SECT	COUNTY	TOTAL SHEETS	SHEET NO.		
		74		•	PIATT	309	200	
- / +)			*(7	4-2)RS-2 & (7	4-3)RS-3	CONTRACT	T NO. T	70717
S	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					