

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		PIATT	35	1
		ILLINOIS	CONTRACT NO. 70C67	

D5 BRIDGE PAINTING 2018-1

D-95-020-18



**PROPOSED
HIGHWAY PLANS**

F.A.I. ROUTE 74 (I-74)
SECTION D5 BRIDGE PAINTING 2018-1

**BRIDGE PAINTING
PIATT COUNTY**

C-95-033-18

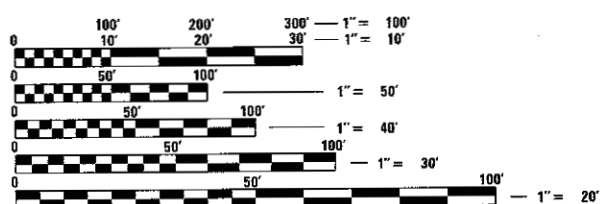
FOR LOCATION MAPS, SEE SHEETS 3-6

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS 7-9

CURRENT TRAFFIC DATA	
F.A.I. RTE. 74 / F.A.S. RTE. 495	LEG "A"
ADT (2015) LOCATIONS 1-6	21,800
LEG "A" = F.A.S. 495 (I66) TO FARMER CITY (EXIT 159)	

TRAFFIC DATA LOCATIONS

- LOC. #1 = S.N. 074-0037 - F.A.I. 74 (EB) OVER S. BRANCH SALT CREEK - 1.5 MILES E. OF U.S. 45 IN PIATT COUNTY
- LOC. #2 = S.N. 074-0038 - F.A.I. 74 (WB) OVER S. BRANCH SALT CREEK - 1.5 MILES E. OF U.S. 45 IN PIATT COUNTY
- LOC. #3 = S.N. 074-0040 - TR 80 OVER F.A.I. 74 - 3 MILES E. OF U.S. 54 IN PIATT COUNTY
- LOC. #4 = S.N. 074-0041 - TR 96 OVER F.A.I. 74 - 2 MILES W. OF MANSFIELD IN PIATT COUNTY
- LOC. #5 = S.N. 074-0042 - F.A.I. 74 OVER N & S RR & MADDEN CREEK - 0.5 MILES W. OF MANSFIELD IN PIATT COUNTY
- LOC. #6 = S.N. 074-0043 - F.A.I. 74 OVER N & S RR & MADDEN CREEK - 0.5 MILES W. OF MANSFIELD IN PIATT COUNTY



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

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

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: STEVE COOMBES
DESIGNER: BYRON SMITH
(217)465-4181

CONTRACT NO. 70C67

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 22, 2017

[Signature]
REGIONAL ENGINEER

Oct 13, 2017
Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

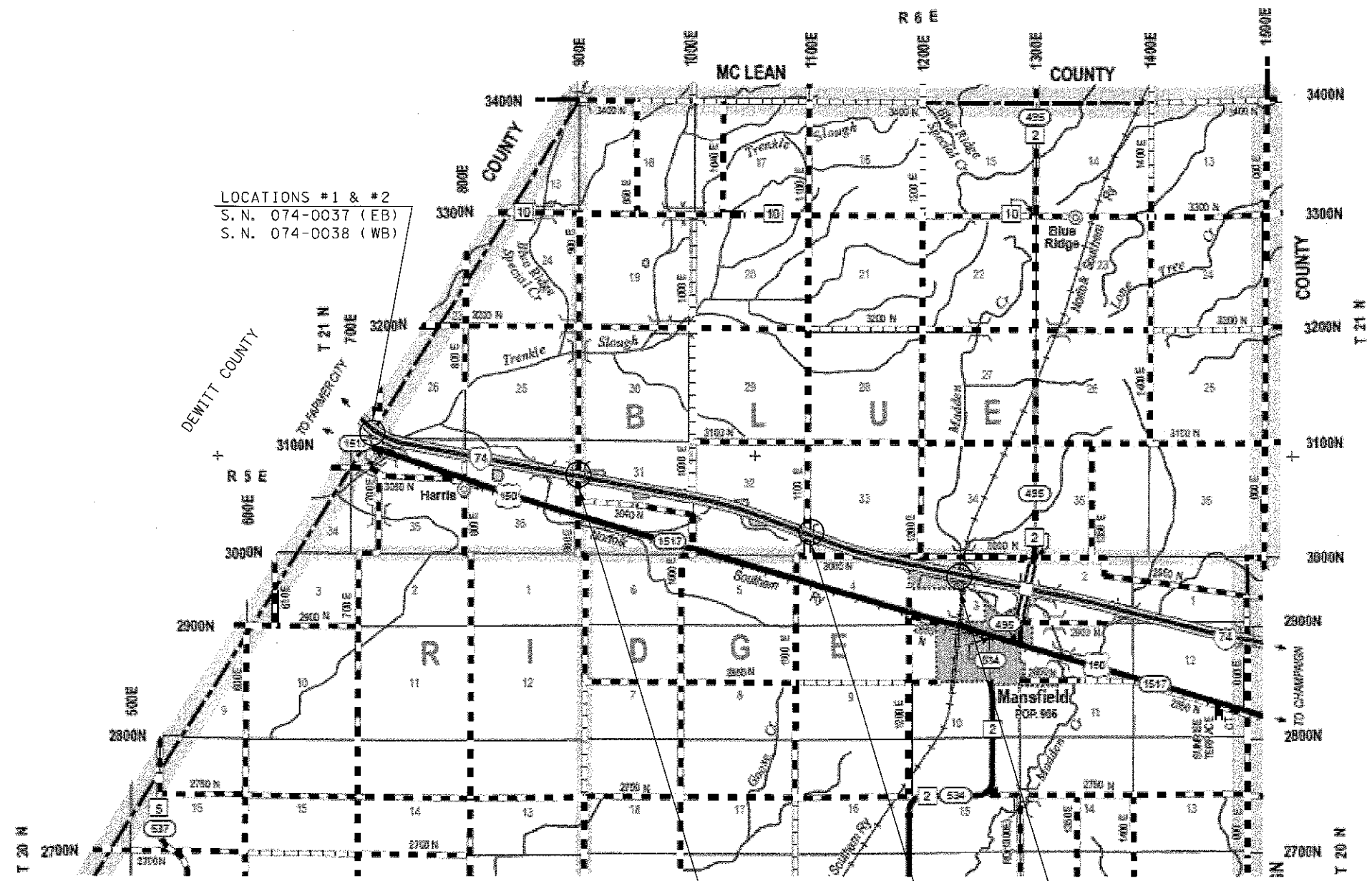
Oct 13, 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

REV

LOCATION MAP

MCLEAN COUNTY



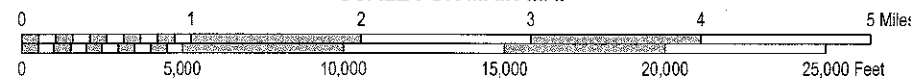
LOCATIONS #1 & #2
 S.N. 074-0037 (EB)
 S.N. 074-0038 (WB)

LOCATION #3
 S.N. 074-0040

LOCATION #4
 S.N. 074-0041

LOCATIONS #5 & #6
 S.N. 074-0042 (EB)
 S.N. 074-0043 (WB)

SCALE FOR MAIN MAP



FILE NAME =	USER NAME = coombesf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP	F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PH:\BL084EBID\INTEG\Illinois.gov\FWIDOT\Documents\100T\Offices\District 5\Projects\057	D:\BRAIN\B\Design\0570C67-sht-loc.mxd	CHECKED -	REVISED -			74		PIATT	35	3
PLT SCALE = 40.0000' / in.	DATE -	REVISED -				• D5 BRIDGE PAINTING 2018-1		CONTRACT NO. 70C67		
PLT DATE = 8/16/2017	DATE -	REVISED -				SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

LOCATION #1

DESCRIPTION: FAI 74 (EB) OVER S. BRANCH SALT CREEK, MILEPOST 160.4 – 1.5 MILES E. OF US 54 IN PIATT COUNTY.
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-2B
 STRUCTURE NO.: 074-0037
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

LOCATION #2

DESCRIPTION: FAI 74 (WB) OVER S. BRANCH SALT CREEK, MILEPOST 160.4 – 1.5 MILES E. OF US 54 IN PIATT COUNTY.
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-2B
 STRUCTURE NO.: 074-0038
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DESCRIPTION OF WORK LOCATIONS #1 & #2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PH:\IL084EBIDINTEG\Illinois.gov\PIW00T\Documents\100T Offices\District 5\Projects\057\DRAWN Data\Design\0470C67-shr-work.dgn	PLLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -			74	*	PIATT	35	4	
#MODELNAME#	PLLOT DATE = 8/14/2017	DATE -	REVISED -			* 05 BRIDGE PAINTING 2018-1		CONTRACT NO. 70C67		ILLINOIS FED. AID PROJECT	
						SCALE: N/A	SHEET 1	OF 3	SHEETS	STA.	TO STA.

LOCATION #3

DESCRIPTION: TR 80 OVER FAI 74, MILEPOST 162 – 3 MILES E. OF US 54 IN PIATT COUNTY
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-2HB
 STRUCTURE NO.: 074-0040
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

LOCATION #4

DESCRIPTION: TR 96 OVER FAI 74, MILEPOST 164.1 – 2 MILES E. OF US 54 IN PIATT COUNTY
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-3HB
 STRUCTURE NO.: 074-0041
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DESCRIPTION OF WORK LOCATIONS #3 & #4	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\110846RIDINTEC\Illinois.gov\FW1001\Documents\1001 Offices\District 5\Projects\0570\BRANN\0570\Design\0476C67-ah-works.dgn	coombessf	-	-			74	*	PIATT	35	5
#MODELNAME\$	PLGT SCALE :	CHECKED :	REVISED :			* 05 BRIDGE PAINTING 2018-1		CONTRACT NO. 70C67		
	PLGT DATE :	DATE :	REVISED :			SCALE: N/A	SHEET 2 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

LOCATION #5

DESCRIPTION: FAI 74 (EB) OVER NORFOLK SOUTHERN RAILWAY & MADDEN CREEK, m.p. 165.5 – 0.5 MILES W. OF MANSFIELD IN PIATT COUNTY. NORFOLK SOUTHERN RAILWAY ILLINOIS DIVISION, MILEPOST SP-183.42
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-3BVB
 STRUCTURE NO.: 074-0042
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

LOCATION #6

DESCRIPTION: FAI 74 (WB) OVER NORFOLK SOUTHERN RAILWAY & MADDEN CREEK, m.p. 165.5 – 0.5 MILES W. OF MANSFIELD IN PIATT COUNTY. NORFOLK SOUTHERN RAILWAY ILLINOIS DIVISION, MILEPOST SP-183.42
 COUNTY: PIATT
 ROUTE: F.A.I. 74
 MARKED ROUTE: I-74
 SECTION: 74-3BVB
 STRUCTURE NO.: 074-0043
 TYPE OF STRUCTURE: CONTINUOUS STEEL

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES." ALL BEAMS, BEARINGS AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLASTNG SSPC-SP10.

THE DESIGNATED AREAS CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10 SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR ALL EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

A MINIMUM OF TWO (2) HIGH VOLUME AIR MONITORS WILL BE REQUIRED TO MONITOR AIR QUALITY DURING DUST PRODUCING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES" TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

TWO (2) YEAR PAINT WARRANTY REQUIRED FOR THIS STRUCTURE

NOTE: DECK DRAINS WITHIN THE PAINTING LIMITS DESCRIBED ABOVE ARE TO BE PAINTED AT NO ADDITIONAL COST.

NOTE: ELASTOMERIC BEARINGS AT ABUTMENTS

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DESCRIPTION OF WORK LOCATIONS #5 & #6	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\0848\INTEG\Illinois.gov\PIWDDT\Documents\IDBT\Offices\District 5\Projects\0570\DRAWN\Data\Design\2470C67-shr-work.dgn	DRAWN	REVISOR	REVISION			74	*	PIATT	35	6
MODELNAME	PLOT SCALE = 48.8000' / 1"	CHECKED -	REVISED -			* D5 BRIDGE PAINTING 2018-1		CONTRACT NO.	70C67	
	PLOT DATE = 8/18/2017	DATE -	REVISED -			SCALE: N/A	SHEET 3 OF 3 SHEETS	STA.	TO STA.	
ILLINOIS FED. AID PROJECT										

SUMMARY OF QUANTITIES

SHEET 1 OF 3

LOCATION OF WORK:

	LOC. #1 F.A.I. 74 S.N. 074-0037 PIATT CO. RURAL 100 % STATE ✓ 0014	LOC. #2 F.A.I. 74 S.N. 074-0038 PIATT CO. RURAL 100 % STATE ✓ 0014	LOC. #3 F.A.I. 74 S.N. 074-0040 PIATT CO. RURAL 100 % STATE ✓ 0014	LOC. #4 F.A.I. 74 S.N. 074-0041 PIATT CO. RURAL 100 % STATE ✓ 0014	LOC. #5 F.A.I. 74 S.N. 074-0042 PIATT CO. RURAL 100 % STATE ✓ 0014	LOC. #6 F.A.I. 74 S.N. 074-0043 PIATT CO. RURAL 100 % STATE ✓ 0014
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CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
67100100	MOBILIZATION	L SUM	1.0	0.2	0.2	0.1	0.1	0.2	0.2
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	16.0	2.0	2.0	4.0	4.0	2.0	2.0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.0						1.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2026.0	325.0	325.0	250.0	250.0	438.0	438.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2026.0	325.0	325.0	250.0	250.0	438.0	438.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8.0	1.0	1.0	2.0	2.0	1.0	1.0
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8.0	1.0	1.0	2.0	2.0	1.0	1.0
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1.0	1.0					
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1.0		1.0				

9

SUMMARY OF QUANTITIES

SHEET 2 OF 3

LOCATION OF WORK:

LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6
F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74
S.N. 074-0037	S.N. 074-0038	S.N. 074-0040	S.N. 074-0041	S.N. 074-0042	S.N. 074-0043
PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.
RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014

CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
X5067503	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3	L SUM	1.0			1.0			
X5067504	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 4	L SUM	1.0				1.0		
X5067505	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 5	L SUM	1.0					1.0	
X5067506	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 6	L SUM	1.0						1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	56.0	7.0	7.0	14.0	14.0	7.0	7.0
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.2	0.2	0.1	0.2	0.2	0.1
* Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1.0	1.0					
* Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1.0		1.0				
* Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1.0			1.0			
* Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1.0				1.0		

10 * SPECIALTY ITEMS

Rev

SUMMARY OF QUANTITIES

SHEET 3 OF 3

LOCATION OF WORK:

LOC. #1	LOC. #2	LOC. #3	LOC. #4	LOC. #5	LOC. #6
F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74	F.A.I. 74
S.N. 074-0037	S.N. 074-0038	S.N. 074-0040	S.N. 074-0041	S.N. 074-0042	S.N. 074-0043
PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.	PIATT CO.
RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014	100 % STATE 0014

CONSTRUCTION TYPE CODE:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
* Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1.0						1.0
* Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1.0						1.0
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1.0	1.0					
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1.0		1.0				
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1.0			1.0			
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1.0				1.0		
Z0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1.0					1.0	
Z0010506	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1.0						1.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0					0.5	0.5

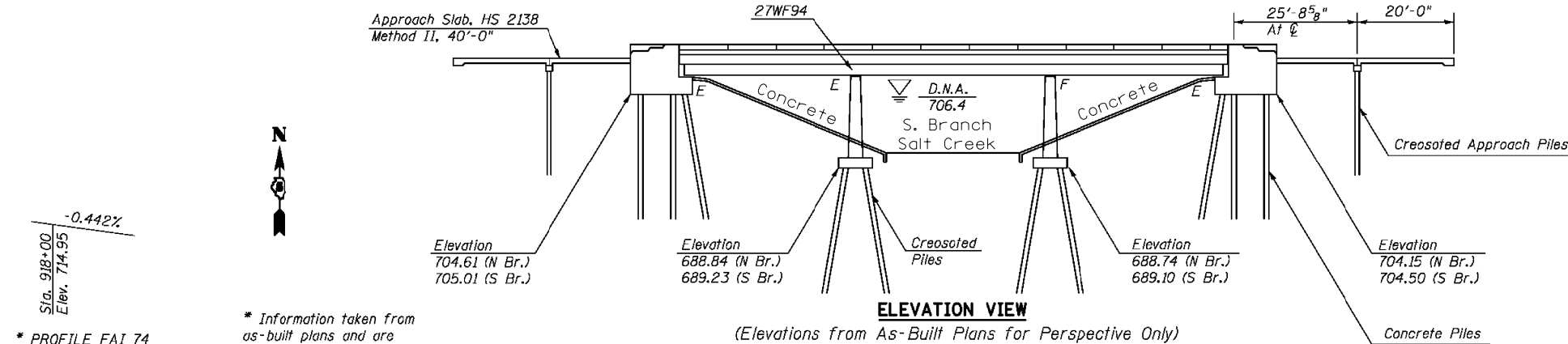
9 * SPECIALTY ITEMS

AS-BUILT PLANS FOR INFORMATION ONLY

Structures 074-0037 & 074-0038 were built in 1970 as FAI-74, Section 74-2B at Station 922+77 by the State of Illinois in Piatt County. In 1975, the structure received new expansion joints, a waterproofing membrane system and 1 3/4" H.M.A. wearing surface as Section District 5 Waterproofing 1975-3. In 2003, the structures received a new 1 3/4" H.M.A. wearing surface with Section 74(3RS-2, 4-1-RS-1). The structures are three span 7 1/2" reinforced concrete decks, continuous steel beam bridges with H.M.A. wearing surfaces on creosoted timber pile supported piers and concrete pile supported abutments.

The existing structures have a back to back of abutment length of 117'-3", an out to out width of 42'-0", and a roadway width of 38'-6". The structures are skewed 25°-30' left forward.

Method of Construction: STAGE CONSTRUCTION

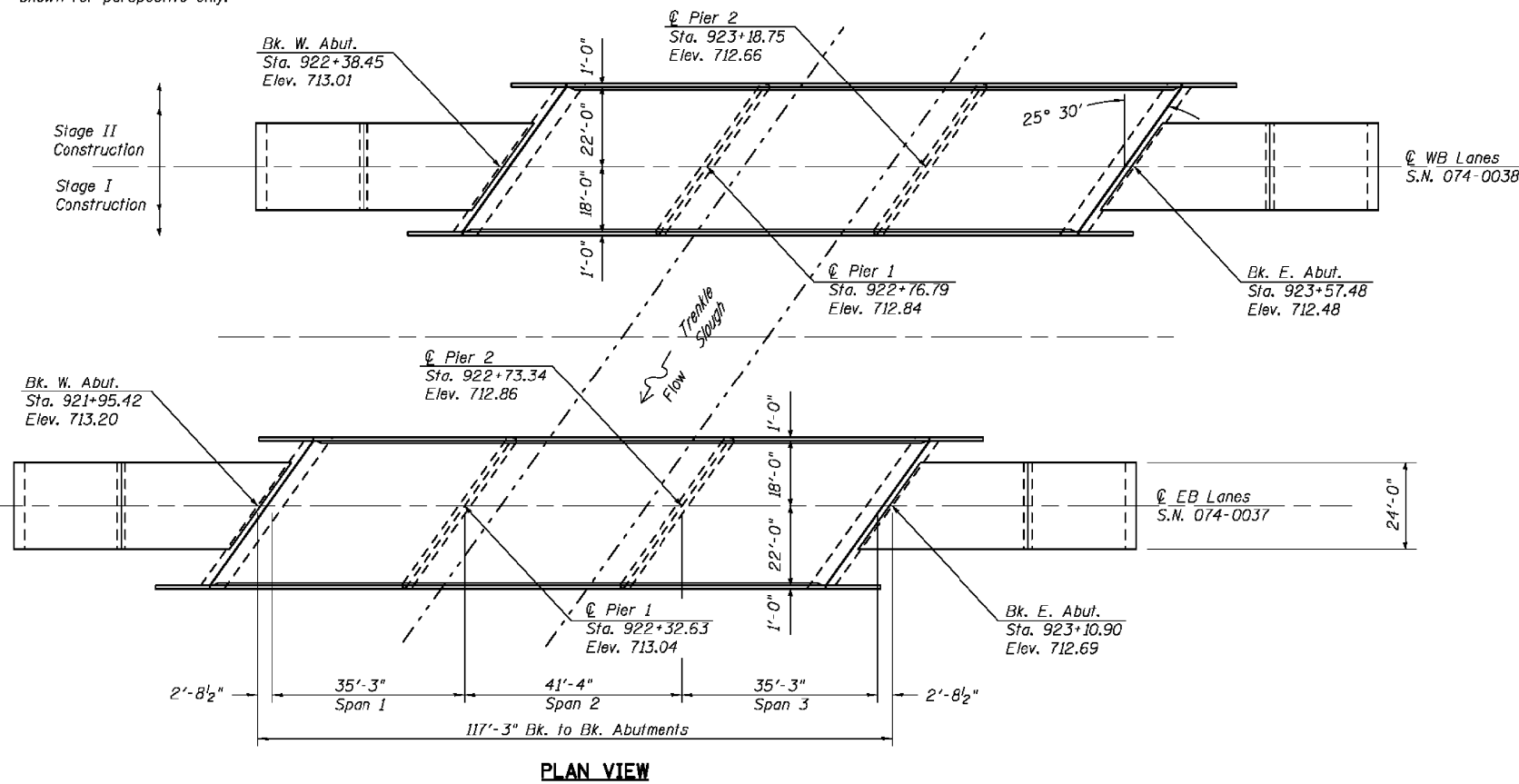


* CURVE DATA

Δ 41°-37'-39"
R 3819.72'
T 1452.02'
L 2775.16'
E 266.68
D 1°-30'
PI. 912+84.92
PC. 898+32.90
PT. 926+08.05
SE. 0.042%
SE. TR. 897+00 to 899+00
925+41 to 927.41

Stage I Construction
Stage II Construction

* AS-BUILT INFORMATION



FILE NAME =	USER NAME = eaglinge	DESIGNED - ESS	REVISED -
ei\p\work\p\dot\vaaglinge\1822013\057717 Structure Repair Plans\sh.dgn		DRAWN - ESS	REVISED -
PLOT SCALE = 40.0000' / in.		CHECKED - TJB	REVISED -
PLOT DATE = 10/16/2014		DATE - 1-16-2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
S.N. 074-0037 & S.N. 074-0038**

SCALE:	SHEET 1 OF 23 SHEETS	STA.	TO STA.	F.A.I. RTE. 74	SECTION (74-2RS-2 & (74-3RS-3	COUNTY PIATT	TOTAL SHEETS 310	SHEET NO. 99
ILLINOIS FED. AID PROJECT								CONTRACT NO. 70717

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\057717 Structure Repair Plans\sh.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 8/14/2017		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AS-BUILT PLANS - FOR INFORMATION ONLY
S.N. 074-0037 & S.N. 074-0038**

SCALE: N/A	SHEET 1 OF 6 SHEETS	STA.	TO STA.	F.A.I. RTE. 74	SECTION *	COUNTY PIATT	TOTAL SHEETS 35	SHEET NO. 10
ILLINOIS FED. AID PROJECT								CONTRACT NO. 70C67

AS-BUILT PLANS FOR INFORMATION ONLY

ELEVATION AT ABUTMENT

BEAM REACTIONS	
RE (K)	14.5
RL (K)	32.5
Imp. (K)	9.8
R (Total) (K)	56.8

Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 30 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.
The 1/8" PTFE sheet shall be bonded directly to the 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 surfaces.
Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

SECTION A-A

PLAN TOP AND BOTTOM PLATE

STEEL EXTENSION DETAIL

TOP BEARING ASSEMBLY (Looking North)

PLAN-TFE SURFACE

SECTION THRU TFE

DIAPHRAGM REPLACEMENT DETAIL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	600
Structural Steel Removal	Pound	730
Anchor Bolts 1" dia	Each	12

BOTTOM BEARING ASSEMBLY

SIDE RETAINER

EXISTING BEARINGS REMOVAL DETAIL

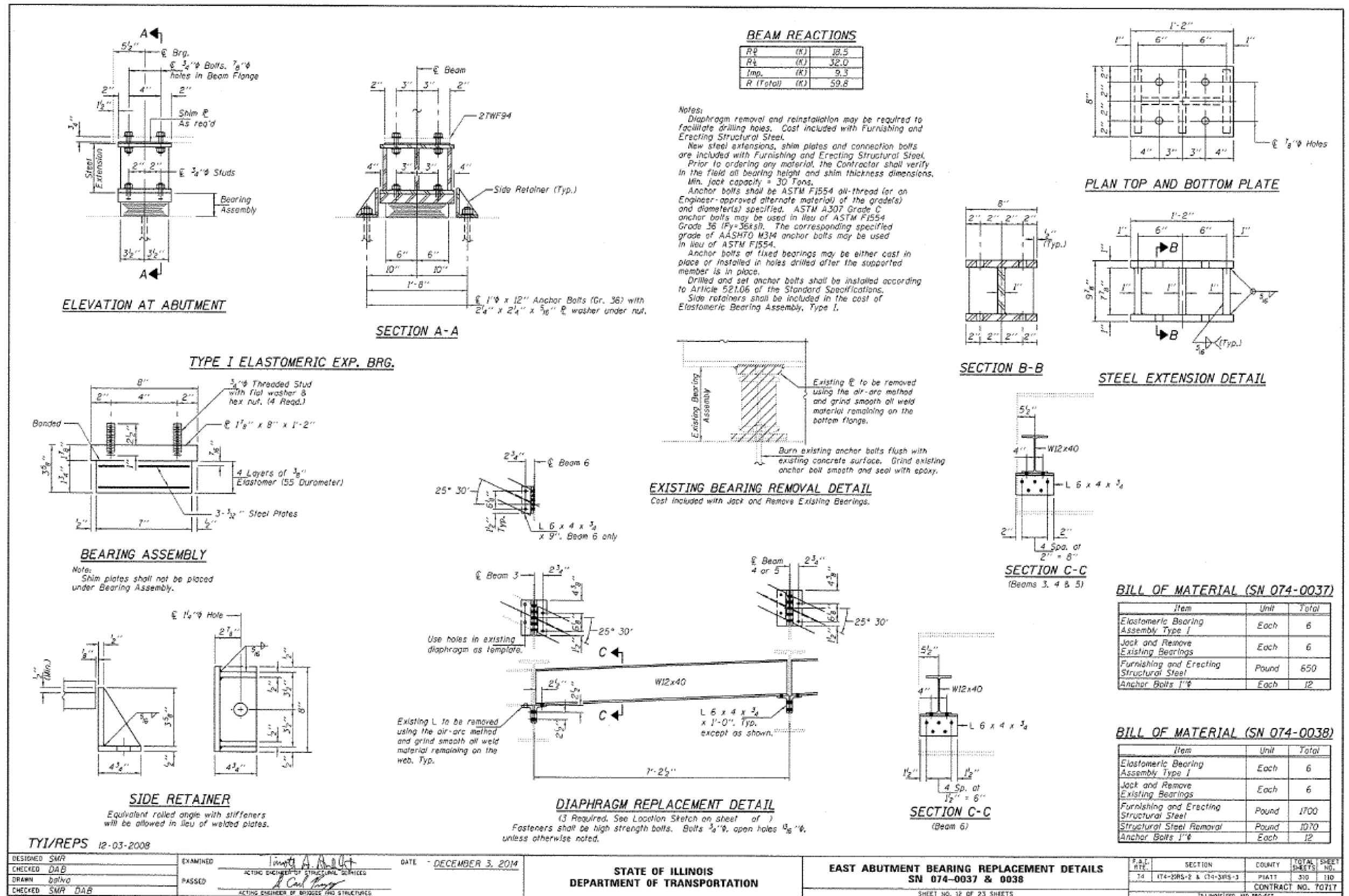
SETTING ANCHOR BOLTS AT EXP. BRG.

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1320
Anchor Bolts 1" dia	Each	12

TYII/REPS 12-03-2008

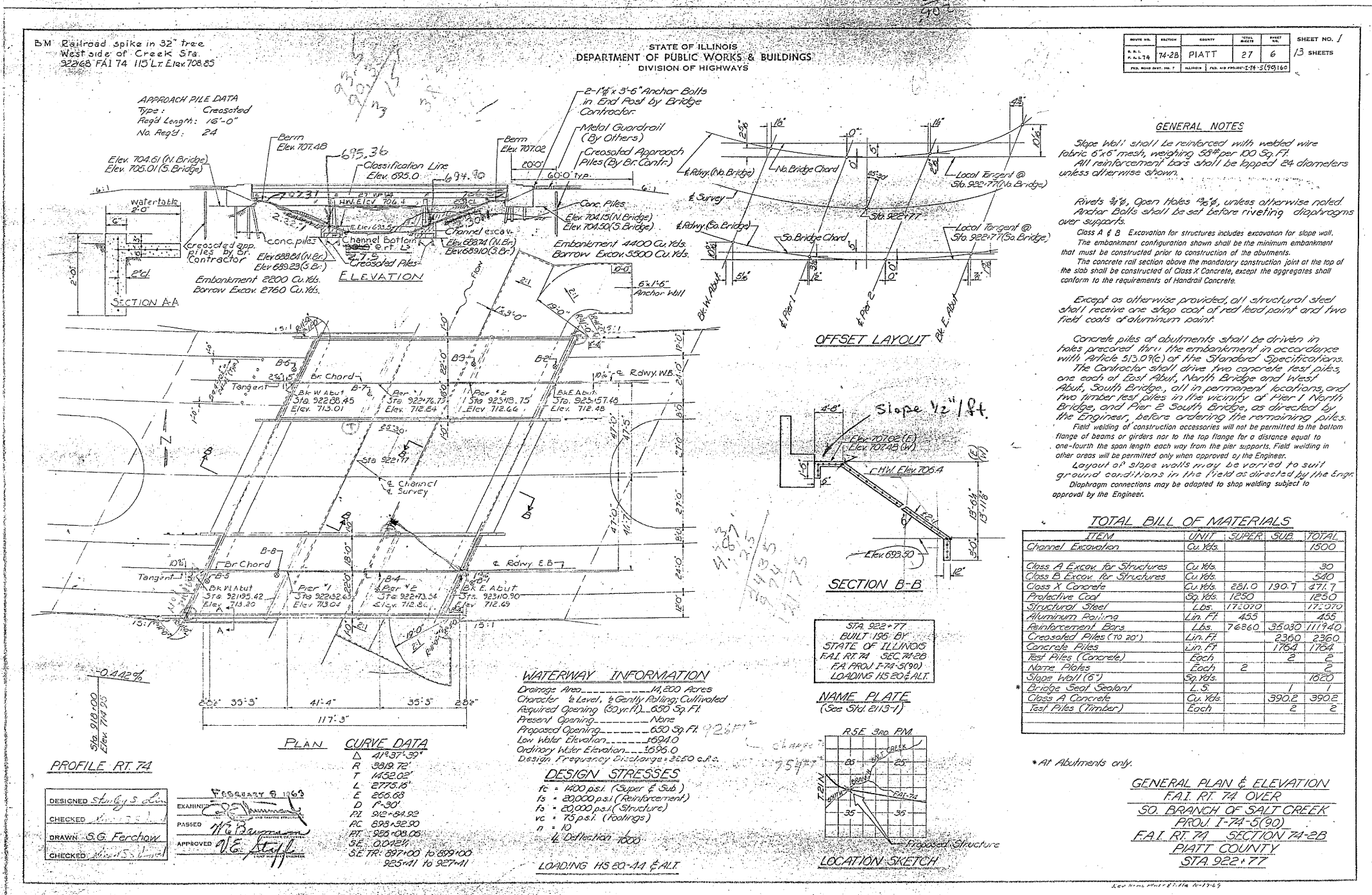
DESIGNED SMR	EXAMINED [Signature]	DATE DECEMBER 3, 2014
CHECKED DAB	PASSED [Signature]	
DRAWN [Signature]		
CHECKED SMR DAB		

AS-BUILT PLANS FOR INFORMATION ONLY



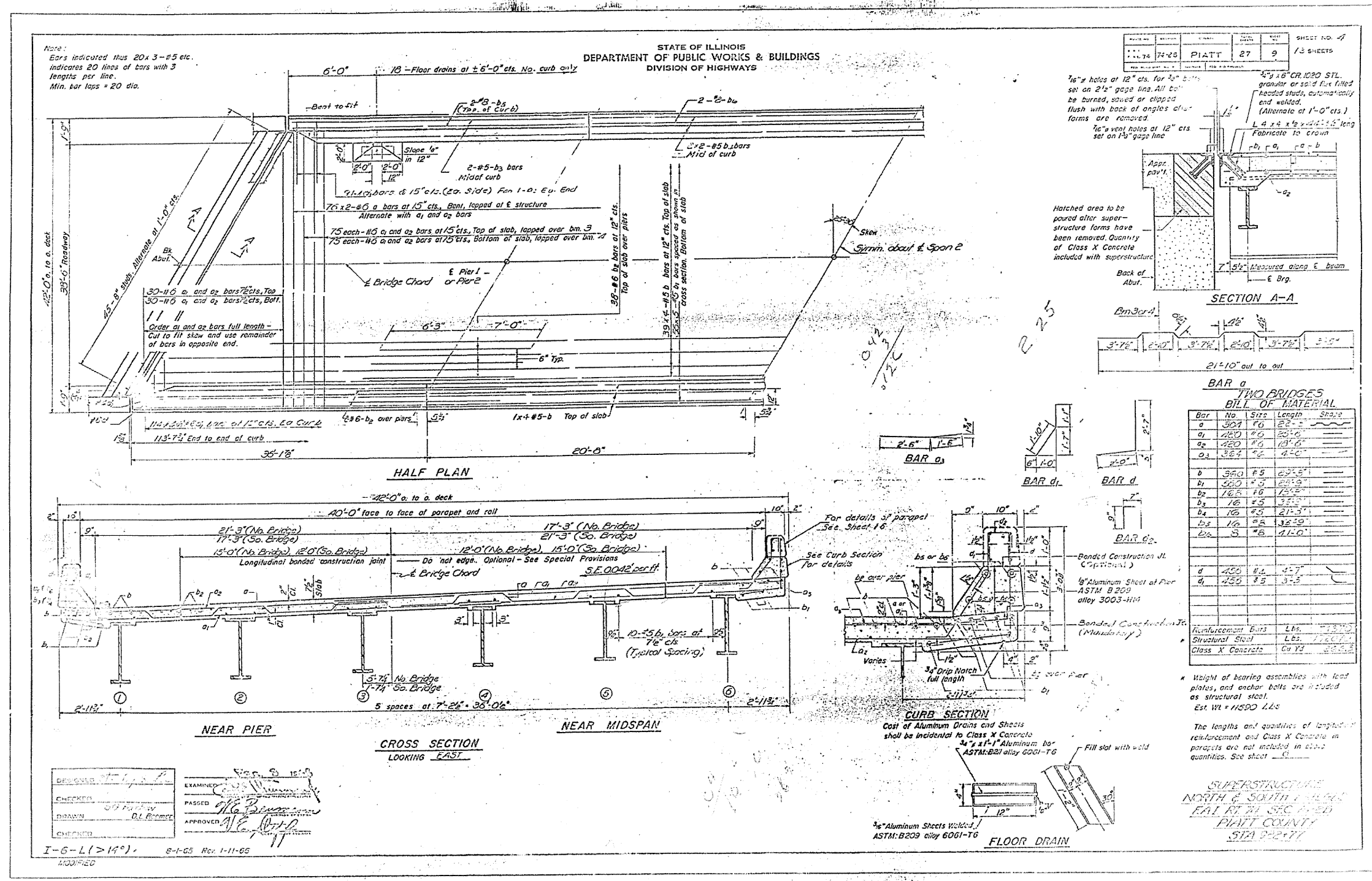
DESIGNED: SMR	EXAMINED: <i>[Signature]</i>	DATE: DECEMBER 3, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST ABUTMENT BEARING REPLACEMENT DETAILS SN 074-0037 & 0038
CHECKED: DAB	PASSED: <i>[Signature]</i>		SHEET NO. 12 OF 23 SHEETS	
DRAWN: bnlr			CONTRACT NO. 70717	
CHECKED: SMR DAB			ILLINOIS FED. AID PROJECT	

AS-BUILT PLANS FOR INFORMATION ONLY

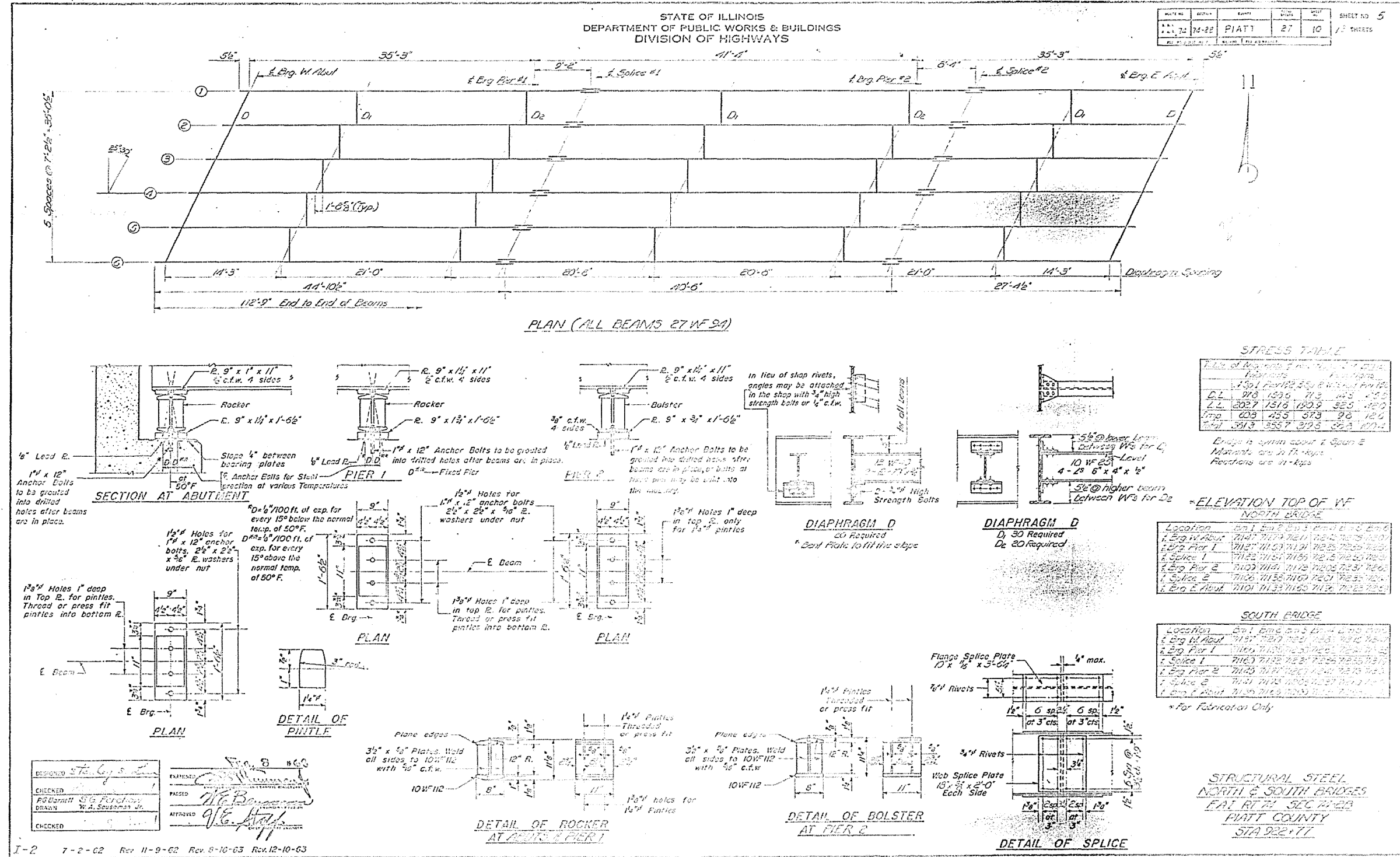


STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74-2B	PIATT	27	6	13

AS-BUILT PLANS FOR INFORMATION ONLY



AS-BUILT PLANS FOR INFORMATION ONLY

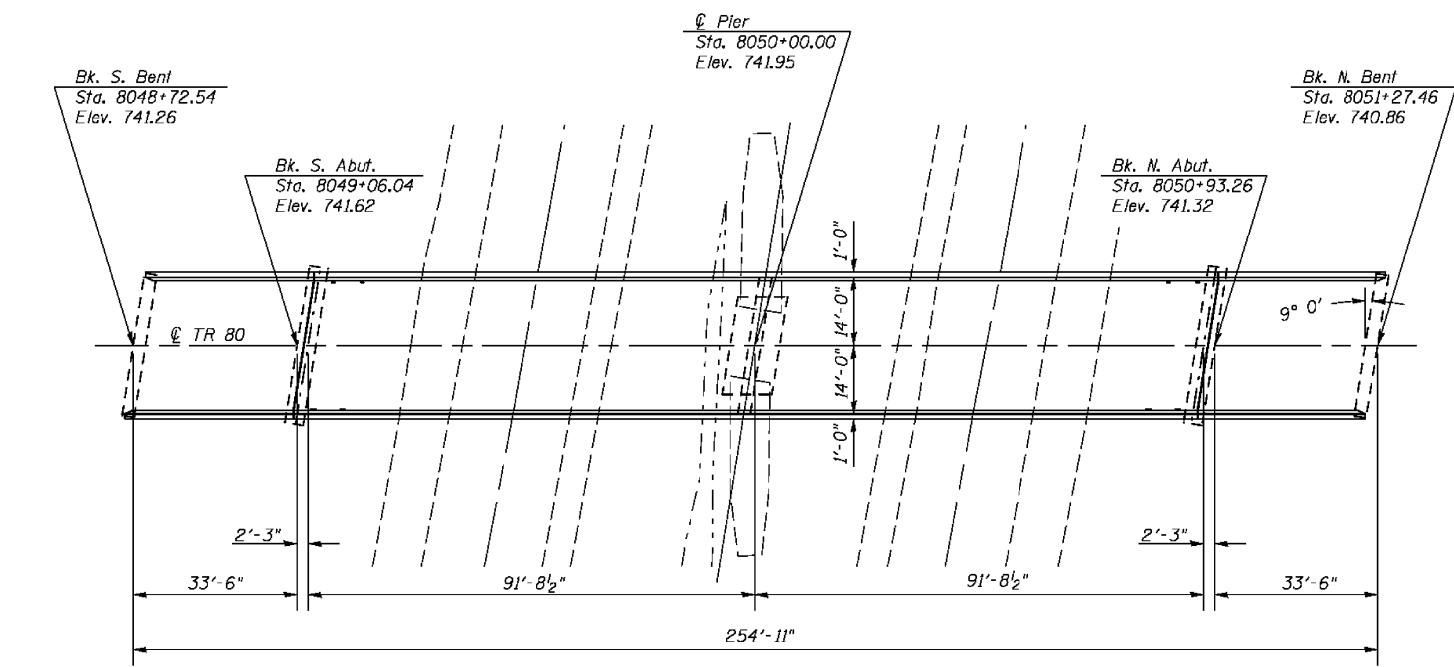
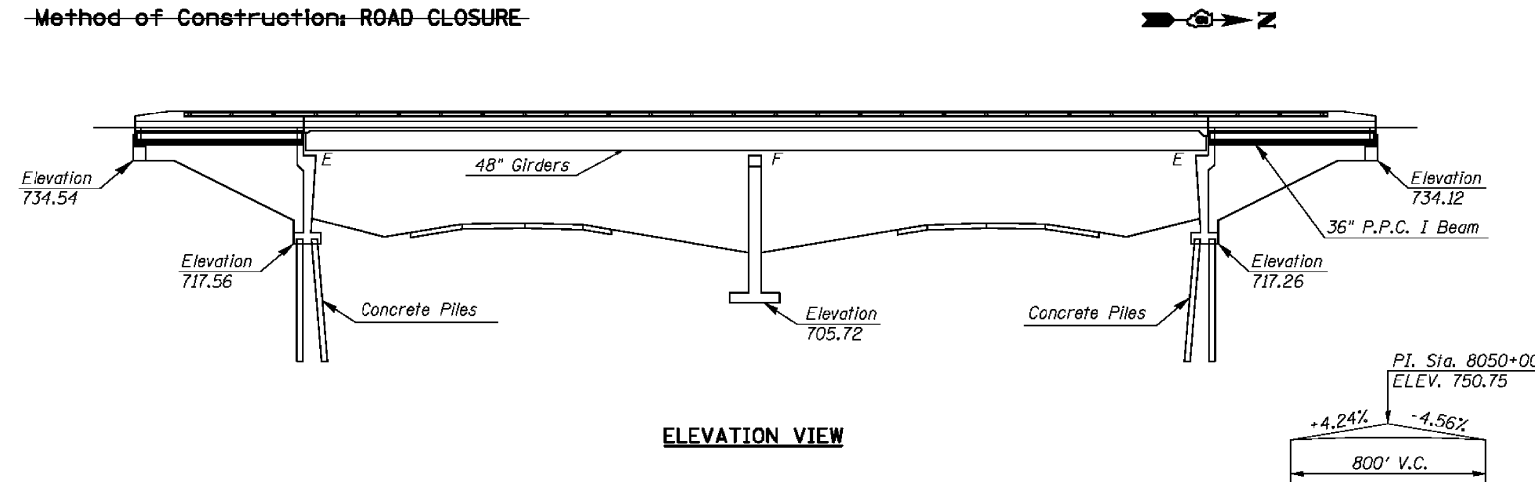


AS-BUILT PLANS FOR INFORMATION ONLY

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 Platt 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 1/2" 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~~



* AS-BUILT INFORMATION

PROPOSED WORK

1. Perform Full-Depth Patching at Drains.
2. Place new Floor Drains.
3. Replace Existing Bearings with Elastomeric Bearings at Abutments.
4. Removal of Existing Preformed Joint Sealer.
5. Place Silicone Joint Sealer.
6. Construct Wingwall Extensions.

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	SQ 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)	SQ 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.

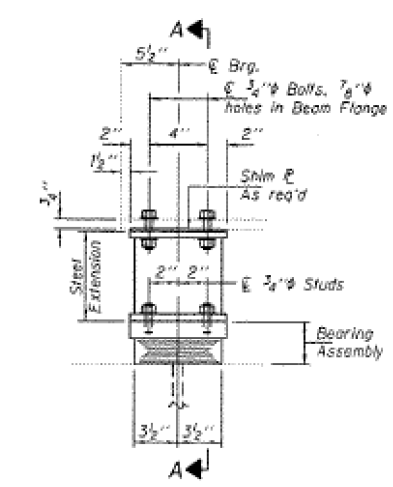
If the analysis submitted to the Contractor for the Jacking/Temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If the stiffeners are not required, hardwood timbers shall be installed tightly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

Reinforcement bars designated (E) shall be epoxy coated.

FILE NAME =	USER NAME = eeglinge	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION S.N. 074-0040	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
en\pwwork\pwwork\leaglinge\220193\257	717 Structure Repair Plans-sh.Ldgn	DRAWN - ESS	REVISED -			74	(74-2RS-2 & (74-3RS-3	PIATT	310	150	
PLOT SCALE = 48.0000' / in.	CHECKED - TJB	REVISED -				CONTRACT NO. 70C67					
PLOT DATE = 18/16/2014	DATE - 1-10-2013	REVISED -				ILLINOIS FED. AID PROJECT					

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS - FOR INFORMATION ONLY S.N. 074-0040	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0570\Drawings\Design\0570C67-sh-asbuilt.dwg	DRAWN -	REVISED -				74		PIATT	35	16	
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 70C67					
PLOT DATE = 8/14/2017	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

AS-BUILT PLANS FOR INFORMATION ONLY

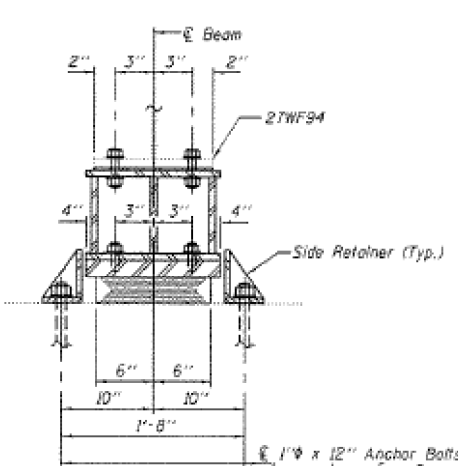


ELEVATION AT ABUTMENT

BEAM REACTIONS

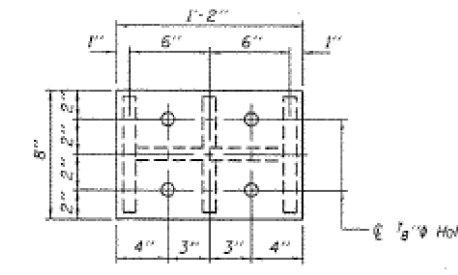
R ₂	(K)	18.5
R ₄	(K)	32.0
Imp.	(K)	9.3
R (Total)	(K)	59.8

Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 30 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.



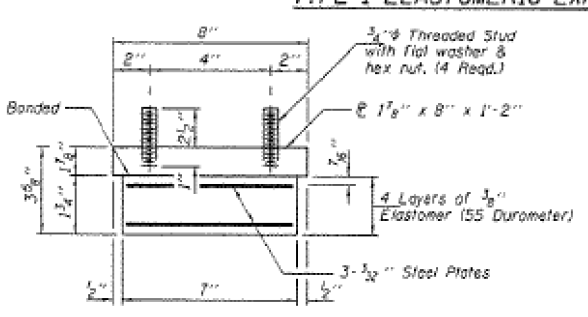
SECTION A-A

1" x 12" Anchor Bolts (Gr. 36) with 2 1/4" x 2 1/4" x 3/8" E washer under nut.



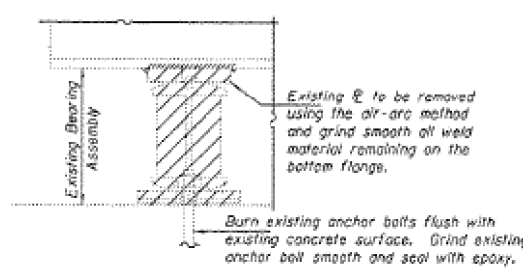
PLAN TOP AND BOTTOM PLATE

TYPE I ELASTOMERIC EXP. BRG.



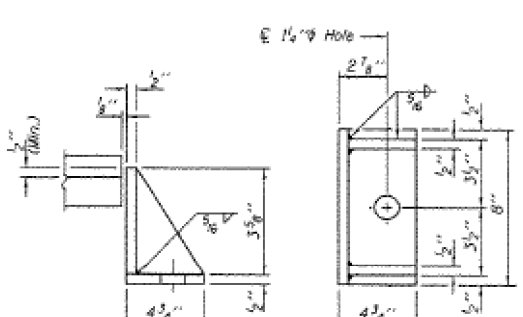
BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.



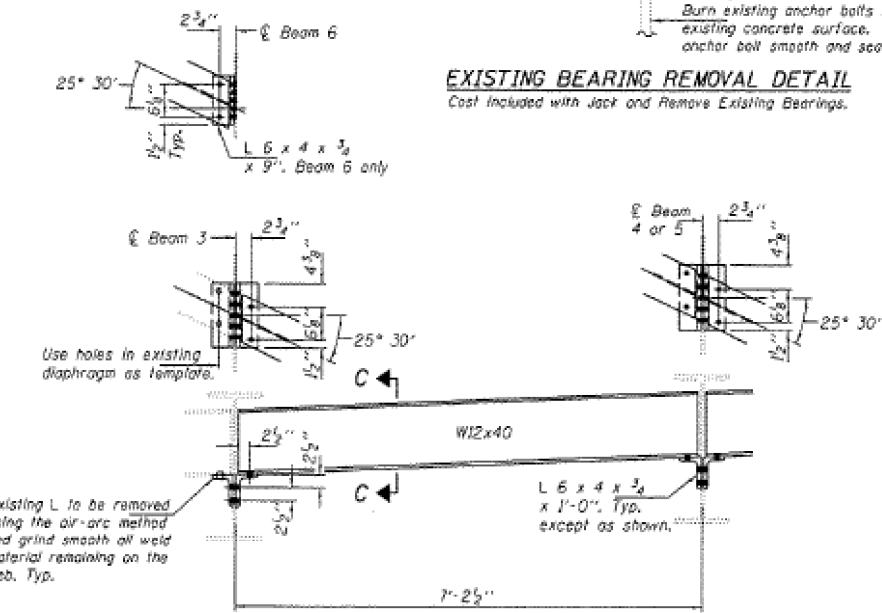
EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



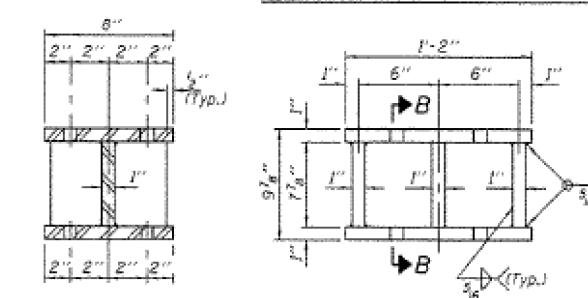
SIDE RETAINER

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



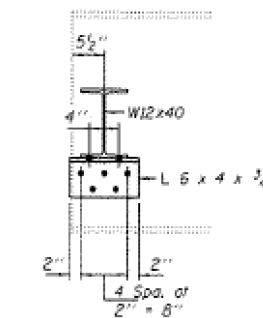
DIAPHRAGM REPLACEMENT DETAIL

(3 Required. See Location Sketch on sheet of)
Fasteners shall be high strength bolts. Bolts 3/8", open holes 1/8".
unless otherwise noted.



SECTION B-B

STEEL EXTENSION DETAIL



SECTION C-C
(Beams 3, 4 & 5)

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" x 12"	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" x 12"	Each	12

TYI/REPS 12-03-2008

DESIGNED SMR	EXAMINED [Signature]	DATE DECEMBER 3, 2014
CHECKED DAB	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN [Signature]	PASSED [Signature]	
CHECKED SMR DAB	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST ABUTMENT BEARING REPLACEMENT DETAILS
SN 074-0037 & 0038**

SHEET NO. 12 OF 23 SHEETS

AS-BUILT PLANS FOR INFORMATION ONLY

NOTE:

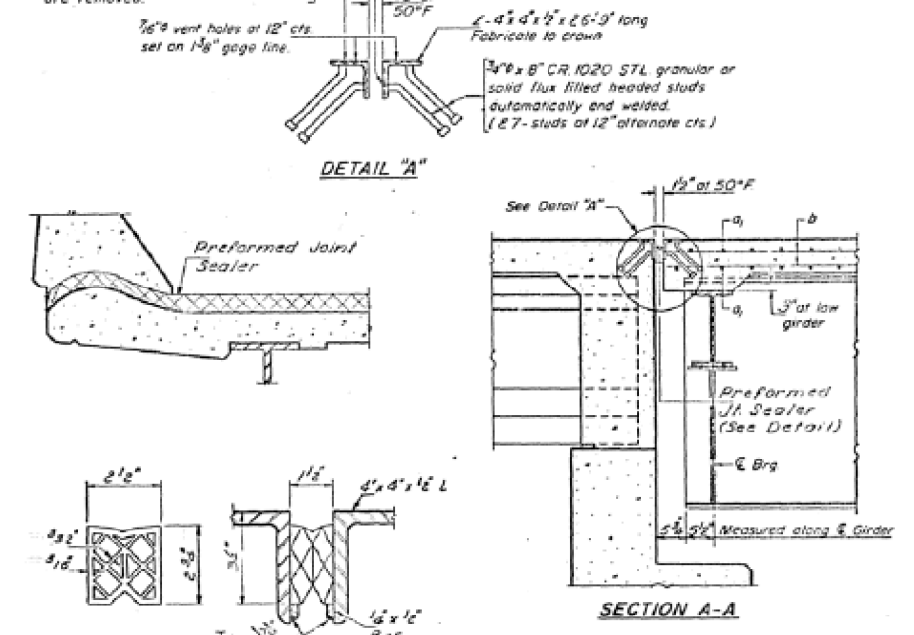
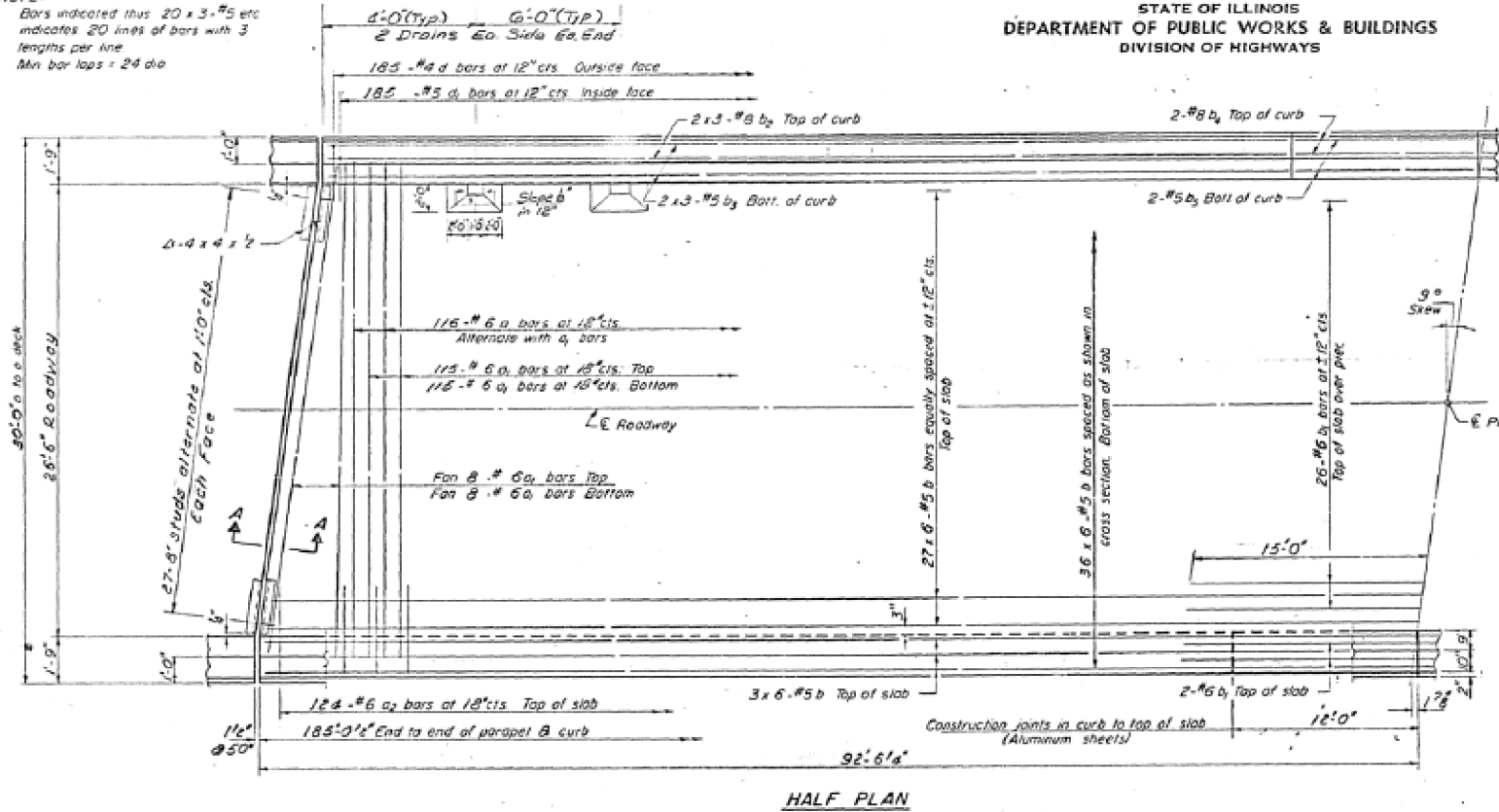
Bars indicated thus 20 x 3-#5 etc indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

1/8" holes at 12" cts. for 3/8" bolts set on 2 1/2" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

DATE	BY	SCALE	TOTAL SHEETS	SHEET NO.
7-24-2018	PIATT	37	12	15

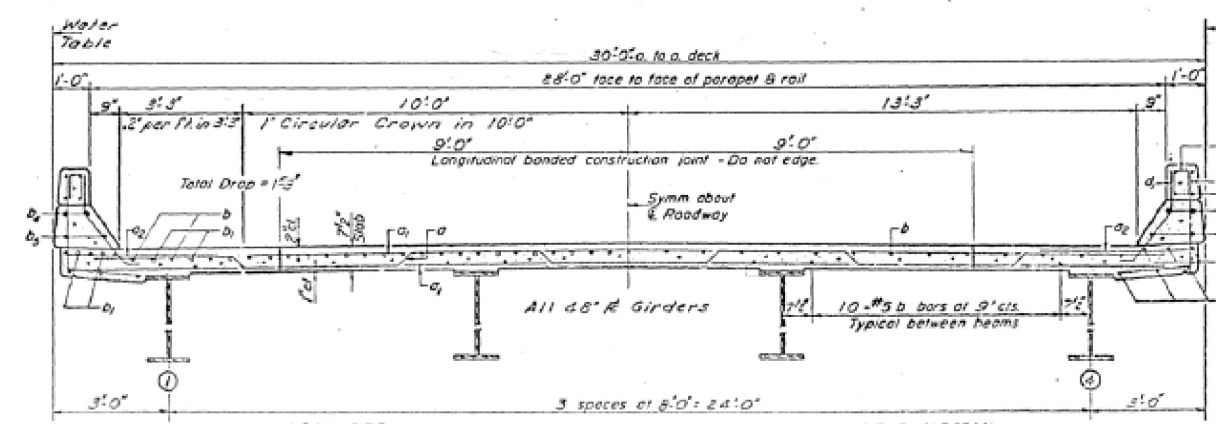
SHEET NO. 3
15 SHEETS



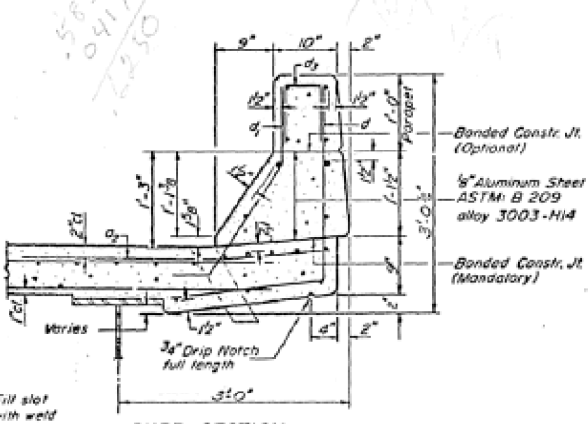
PREFORMED JOINT SEALER

BILL OF MATERIAL

Bar No.	Size	Length	Shape
a	115 #6	29.5'	—
a ₁	262 #9	28.8'	—
a ₂	243 #6	4.0'	—
b	d 14 #5	38.0'	—
b ₁	30 #6	30.0'	—
b ₂	24 #8	28.3'	—
b ₃	23 #5	27.3'	—
b ₄	8 #8	11.9'	—
b ₅	6 #5	11.9'	—
d	370 #4	4.5'	J
d	370 #5	3.3'	J
Reinforcement Bars			Lbs 38310
Class X Concrete			Cu Yds 154.5
Structural Steel			Lbs 152670
Stud Steel Connectors			Ea 1378

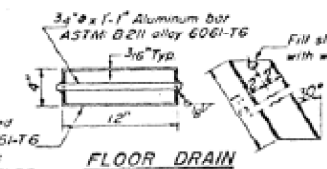
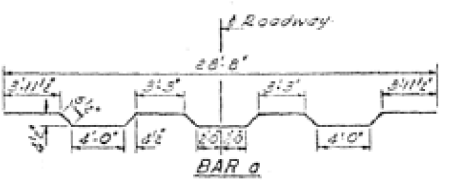


NOTE: For placement of bars d₁ and e or e₁ see sheet #10



CURB SECTION

DESIGNED	S. Lin	EXAMINED	Dec 16 19 09
CHECKED	J. Kessler	PASSED	H.C. Bauman
DRAWN	J. Kessler	APPROVED	G.E. Steff
CHECKED	G.M. S.L.		

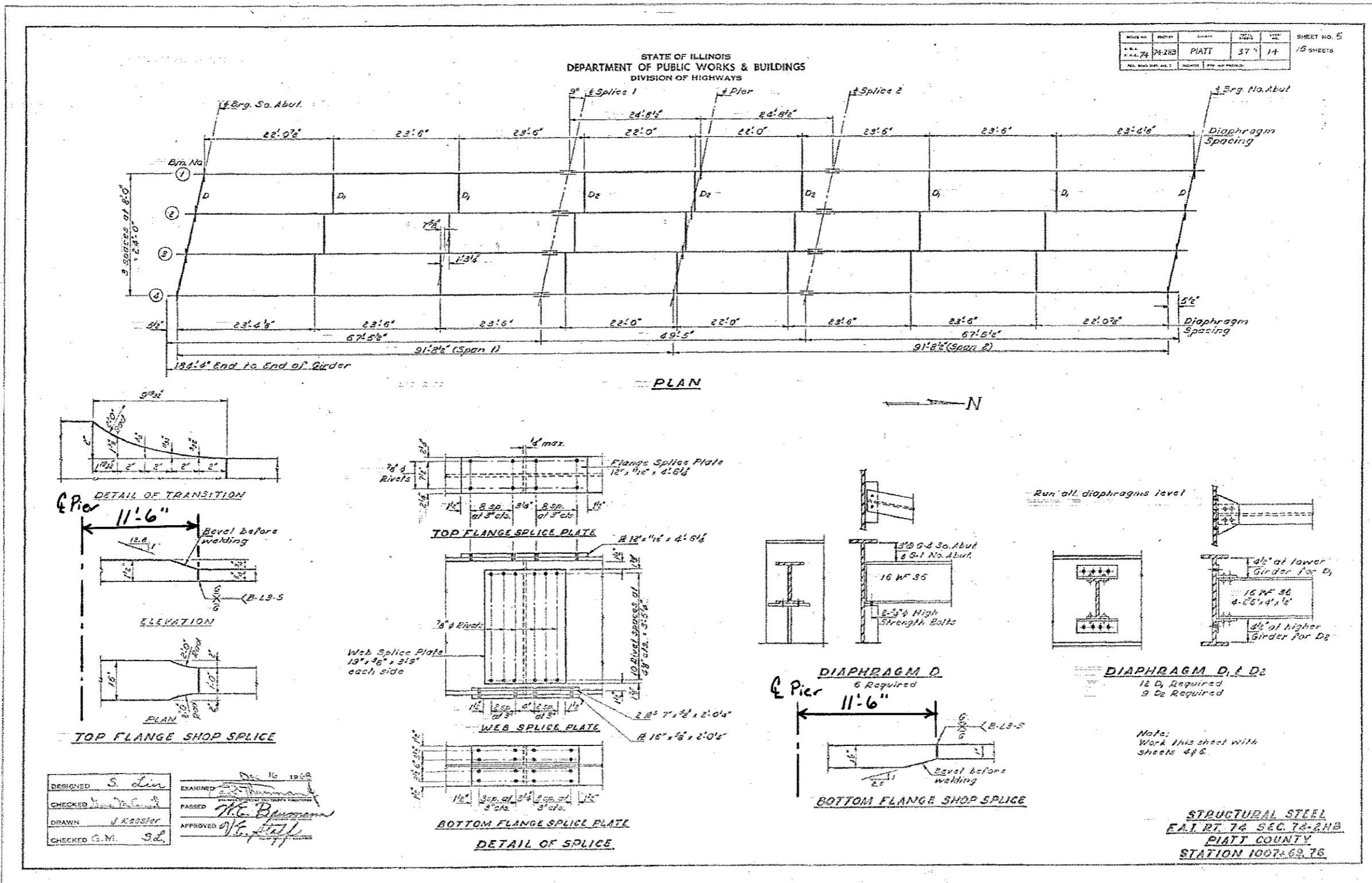


FLOOR DRAIN

SUPERSTRUCTURE
F.A.I. RT. 74 SEC. 74-2HB
PIATT COUNTY
STATION 1007+69.76

STATION 1007+69.76

AS-BUILT PLANS FOR INFORMATION ONLY

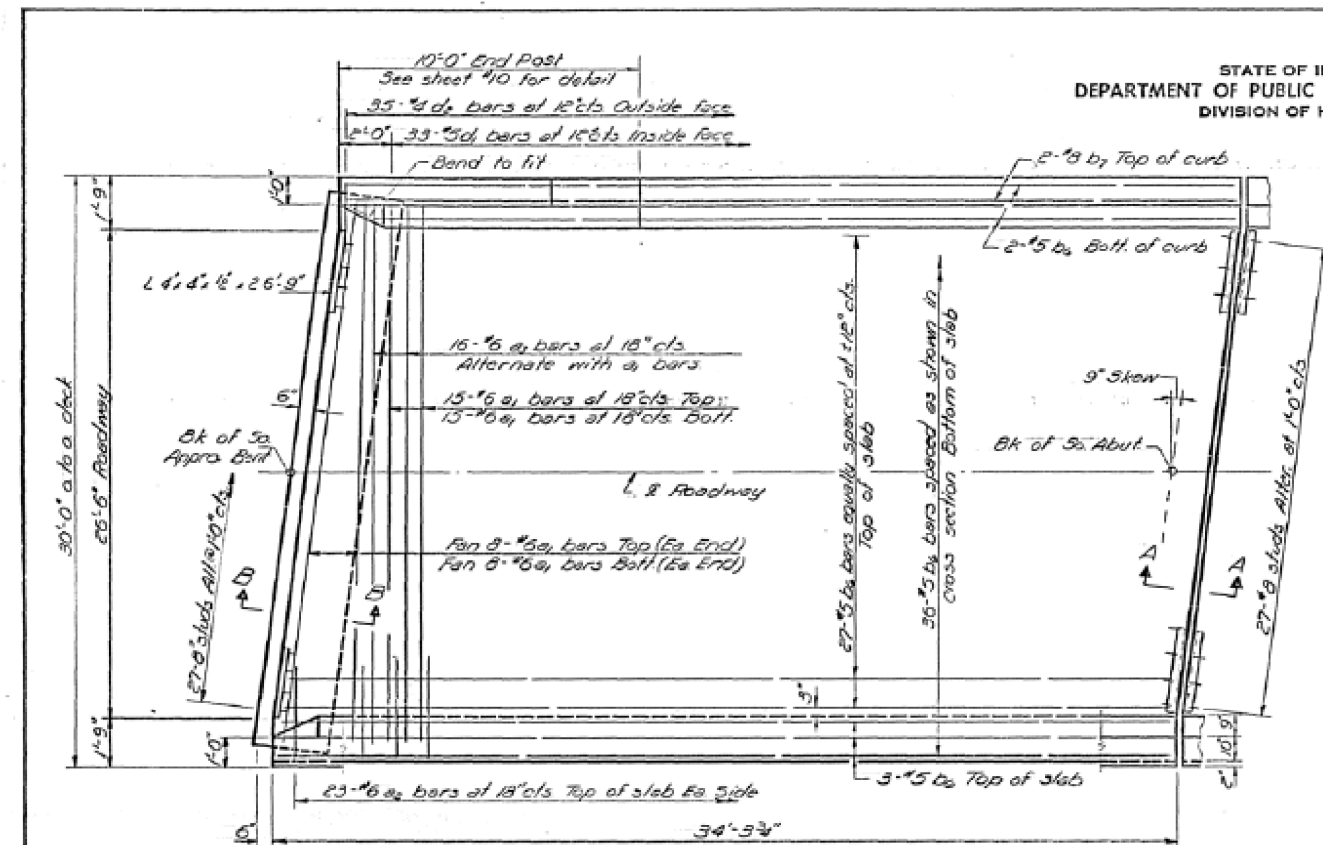


AS-BUILT PLANS FOR INFORMATION ONLY

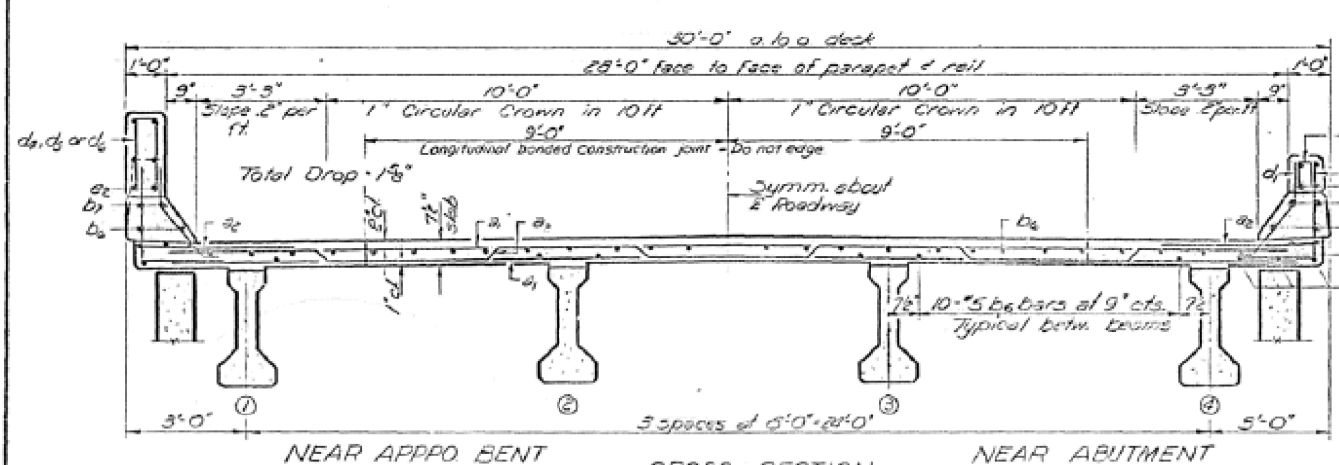
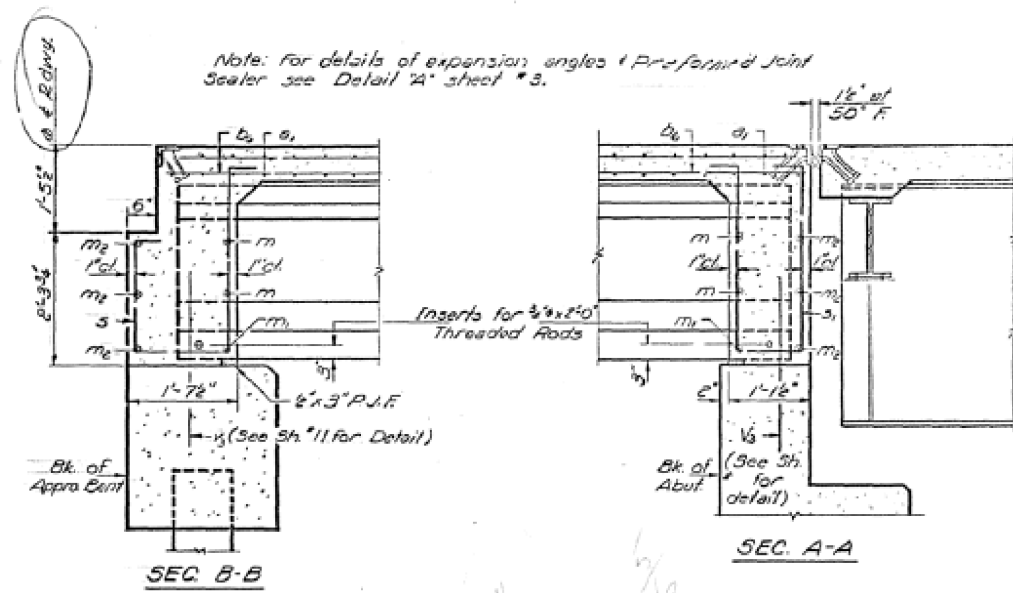
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	PIATT	37	16	15

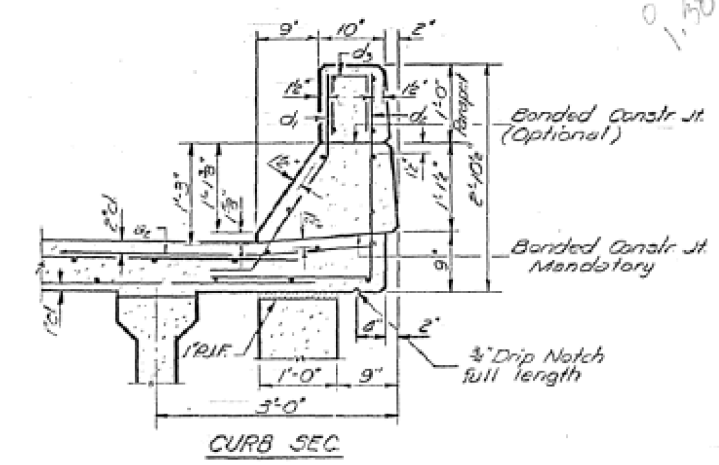
SHEET NO. 7
15 SHEETS



PLAN
(South Approach shown North Approach, similar by rotation thru 180°)



CROSS SECTION
(Looking North)



CURB SEC

**TWO APPR SPANS
BILL OF MATERIAL**

Bar No.	Size	Length	Shape
a1	16#	46'	28'0"
a2	42#	46'	4'0"
a3	32#	46'	29'8"
b1	146#	5	30'0"
b2	8#	5	30'0"
d1	132#	5	5'5"
d2	180#	5	2'5"
m	36#	5	7'5"
m1	12#	5	6'0"
m2	12#	5	29'0"
m3	12#	5	6'5"
s	95#	5	7'5"
s1	36#	5	8'5"
s2	36#	5	6'10"
Reinforcement Bar			Lbs. 15310
Class X Concrete			Cu. Yds. 74.5
Structural Steel			Lbs. 1490

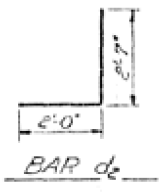
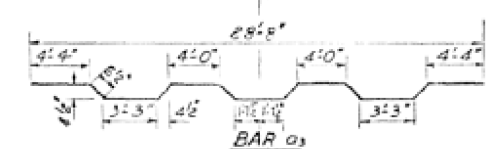
Parapet Reinforcement and Class X Concrete are billed on sheet #10
For placement and details of bars m thru m3 and s thru s3 see sheet #8
For details of bars a2 and d1 see sheet #3
Work this sheet with sheet #9 & #9

APPROACH STRUCTURE
FAI RT 74 SEC 74.2HB
PIATT COUNTY
STA. 1007 + 59.76

DESIGNED: S. Lin
CHECKED: J. McNeil
DRAWN: J. M. Henniger
CHECKED: G. M. S. L.

EXAMINED: [Signature]
PASSED: W. E. Bennett
APPROVED: J. E. Steff

DATE: Dec. 16, 1968

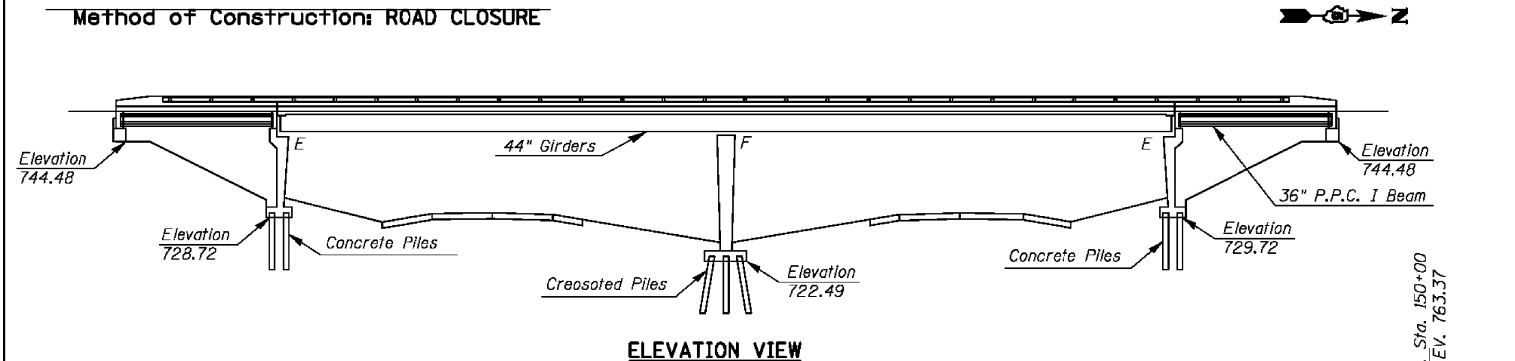


AS-BUILT PLANS FOR INFORMATION ONLY

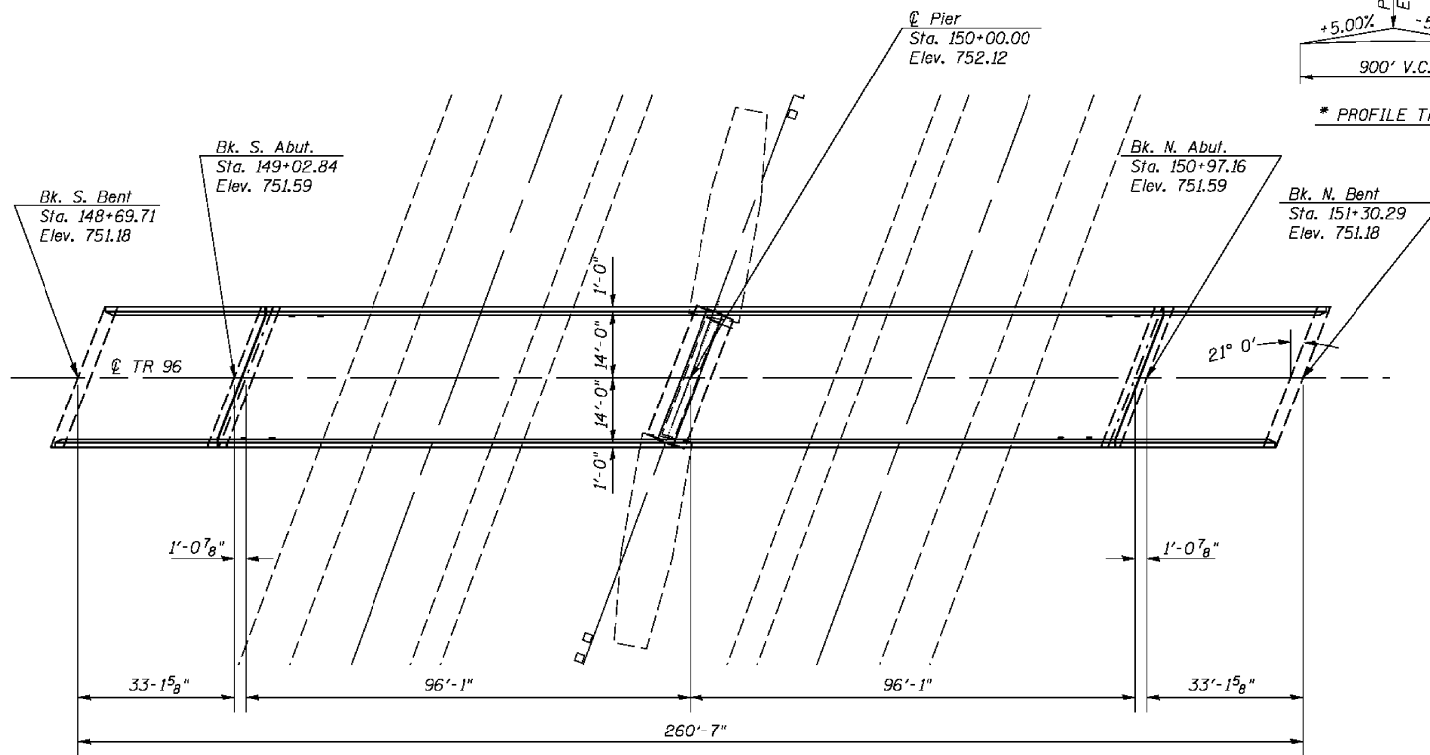
Structure 074-0041 was built in 1970 as FAI 74 (EB), Section 74-3HB at Station 1114+13.97 by the State of Illinois in Piatt County. The structure consists of two approach spans of 32'-7 $\frac{1}{4}$ " and two main spans of 96'-1". The main spans of the structure consist of a 91'-7" reinforced concrete deck on 48" steel girders. The approach spans of the structure consist of a 7 $\frac{1}{2}$ " reinforced concrete deck on 36" PPC I-Beams. The spans are on a creosoted pile supported pier and concrete pile and creosoted pile supported abutments.

The structure has a back to back of approach length of 260'-7", an out to out width of 30'-0", and a face to face of parapet width of 28'-0". The structure is skewed 21°-00' left forward.

Method of Construction: ROAD CLOSURE



ELEVATION VIEW



PLAN VIEW

* AS-BUILT INFORMATION

PROPOSED WORK

1. Perform Full Depth Patching at Drains.
2. Place new Floor Drains.
3. Replace Existing Bearings with Elastomeric Bearings at Abutments.
4. Removal of Existing Preformed Joint Sealer.
5. Place Silicone Joint Sealer.
6. Construct Wingwall Extensions.
7. Construct Crashwall Extension.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE REMOVAL	CU YD	0.5
FLOOR DRAINS	EACH	4.0
CONCRETE STRUCTURES	CU YD	3.9
CONCRETE SUPERSTRUCTURE	CU YD	1.1
PROTECTIVE COAT	SQ YD	24.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,460.0
REINFORCEMENT BARS, EPOXY COATED	POUND	840.0
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)	SQ YD	2.8
SILICONE JOINT SEALER, 1.50"	FOOT	64.0

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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		CHECKED - TJB	REVISED -
		DATE - 2-13-2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
S.N. 074-0041**

SCALE:	SHEET 1 OF 14 SHEETS	STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			74	(74-2)RS-2 & (74-3)RS-3	PIATT	310	161
						CONTRACT NO. 70717	
ILLINOIS FED. AID PROJECT							

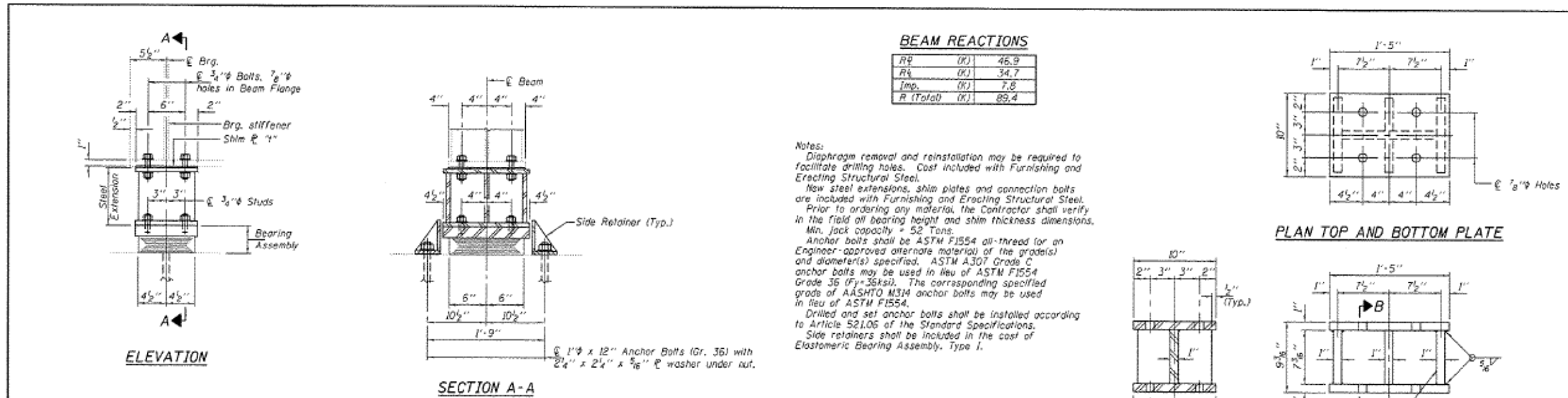
FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AS-BUILT PLANS - FOR INFORMATION ONLY
S.N. 074-0041**

SCALE: N/A	SHEET 1 OF 5 SHEETS	STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			74		PIATT	35	23
						CONTRACT NO. 70C67	
ILLINOIS FED. AID PROJECT							

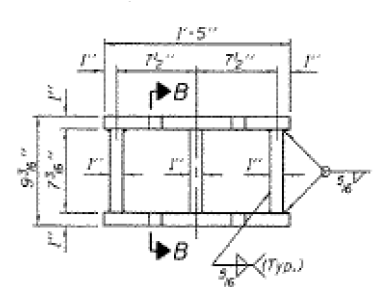
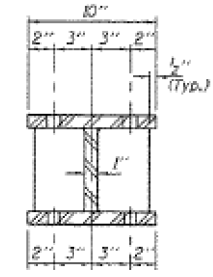
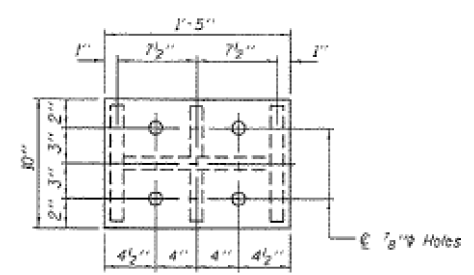
AS-BUILT PLANS FOR INFORMATION ONLY



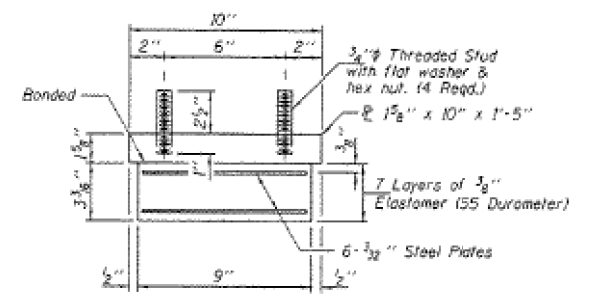
BEAM REACTIONS

RR	(K)	45.9
RL	(K)	34.7
Imp.	(K)	7.8
R (Total)	(K)	88.4

Notes:
 Diaphragm removal and reinstatement may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
 New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 52 Tons.
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type 1.

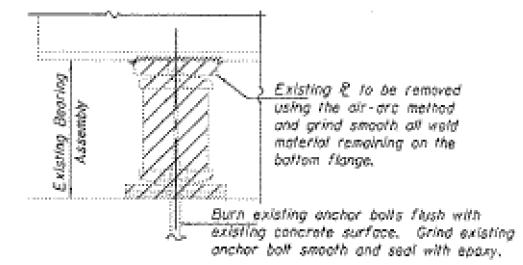


TYPE I ELASTOMERIC EXP. BRG.

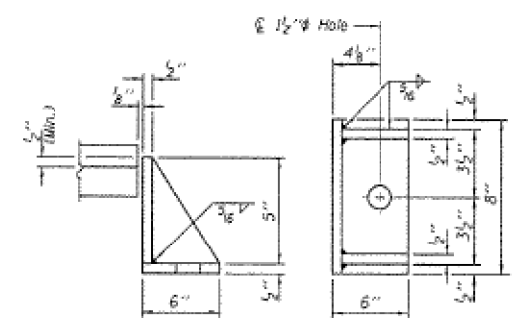


SHIM PLATE 1/4"

Location	G1	G2	G3	G4
N. Abut.	0	0	1/2"	0
S. Abut.	0	1/2"	0	0



Note:
 Shim plates shall not be placed under Bearing Assembly.



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

BILL OF MATERIAL

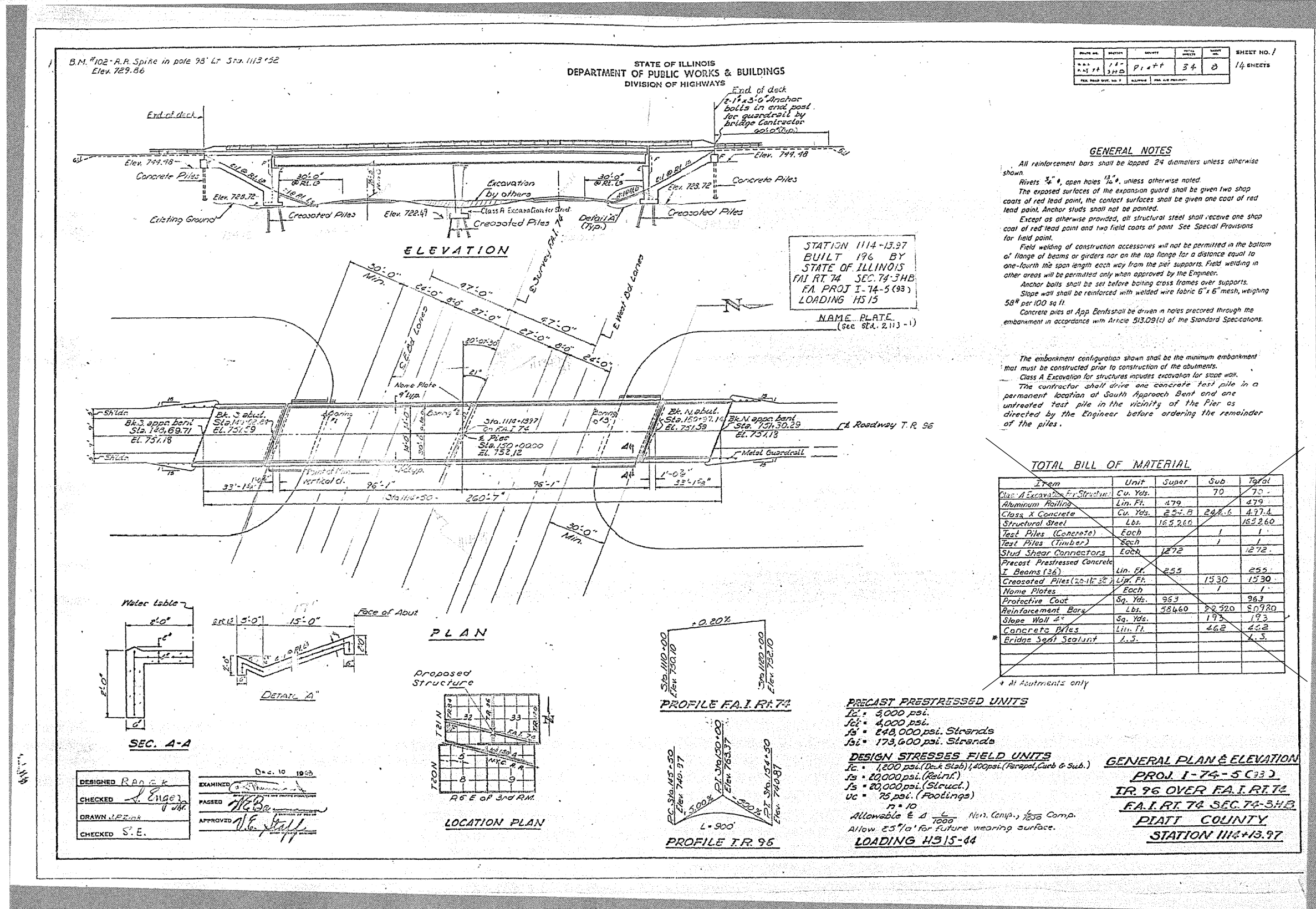
Item	Unit	Total
Elastomeric Bearing Assembly Type 1	Each	8
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1460
Anchor Bolts 1 1/2"	Each	16

TYI/REPS 12-03-2008

DESIGNED VHV	EXAMINED <i>Joseph A. Holt</i>	DATE DECEMBER 3, 2014
CHECKED DAB	PASSED <i>ACTING ENGINEER OF STRUCTURAL SERVICES</i>	
DRAWN <i>daliva</i>		
CHECKED VHV DAB		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH AND SOUTH ABUTMENT BEARING REPLACEMENT DETAILS SN 074-0041	F.A.I. R.T.E. 74	SECTION 114-2RS-2 & 114-3RS-3	COUNTY PIATT	TOTAL SHEETS 310	SHEET NO. 167
SHEET NO. 1 OF 14 SHEETS		CONTRACT NO. 70C67 ILLINOIS FED. AID PROJECT				

AS-BUILT PLANS FOR INFORMATION ONLY



SECTION	DATE	BY	SCALE	SHEET NO.
14	11/10	P.A.F.	3/4	3

GENERAL NOTES

- All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
- Rivets $\frac{3}{4}$ " open holes $\frac{1}{4}$ " unless otherwise noted.
- The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.
- Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of paint. See Special Provisions for field paint.
- 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. Field welding in other areas will be permitted only when approved by the Engineer.
- Anchor bolts shall be set before bolting cross frames over supports.
- Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq ft.
- Concrete piles at App Bent shall be driven in holes precored through the embankment in accordance with Article 513.09(4) of the Standard Specifications.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
 Class A Excavation for structures involves excavation for slope work.
 The contractor shall drive one concrete test pile in a permanent location at South Approach Bent and one untreated test pile in the vicinity of the Pier as directed by the Engineer before ordering the remainder of the piles.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation For Structure	Cu. Yds.		70	70
Aluminum Paving	Lin. Ft.	479		479
Class X Concrete	Cu. Yds.	252.8	242.6	495.4
Structural Steel	Lbs.	162,260		162,260
Test Piles (Concrete)	Each		1	1
Test Piles (Timber)	Each		1	1
Stud Shear Connectors	Each	1272		1272
Precast Prestressed Concrete				
I Beams (36)	Lin. Ft.	255		255
Creosoted Piles (20-14 3/4")	Lin. Ft.		1530	1530
Name Plates	Each		1	1
Protective Coat	Sq. Yds.	963		963
Reinforcement Bars	Lbs.	58460	20920	79380
Slope Wall 2"	Sq. Yds.	193		193
Concrete Piles	Lin. Ft.		462	462
Bridge Seat Sealant	L.S.			1.5

PRECAST PRESTRESSED UNITS
 fc = 5,000 psi.
 fb = 4,000 psi.
 fs = 248,000 psi. Strands
 fs = 173,000 psi. Strands

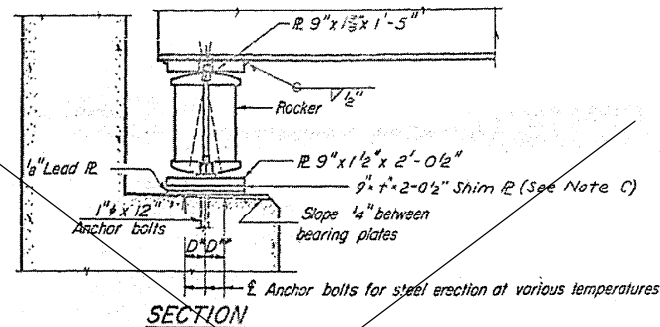
DESIGN STRESSES FIELD UNITS
 fc = 1,200 psi. (Deck Slab), 1,400 psi. (Face of Curb & Sub.)
 fs = 20,000 psi. (Reinf.)
 fs = 20,000 psi. (Struct.)
 uc = 75 psi. (Footings)
 n = 10
 Allowable $E \& S = \frac{L}{1000}$ Non. Comp., $\frac{L}{1250}$ Comp.
 Allow 2.5" for future wearing surface.
LOADING HS15-44

GENERAL PLAN & ELEVATION
PROJ. I-74-5(93)
TR. 96 OVER FA.I.R.T. 74
FA.I.R.T. 74 SEC. 74-3HB
PIATT COUNTY
STATION 1114+13.97

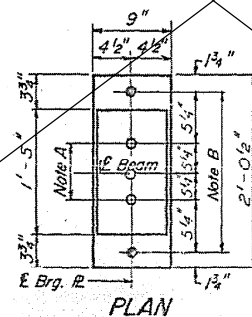
AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	SHEET NO.	TOTAL SHEETS
74	15	14 SHEETS



SECTION

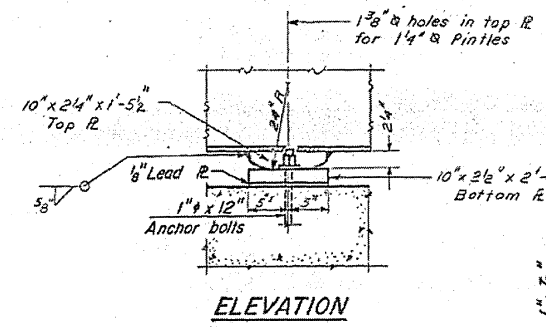


PLAN

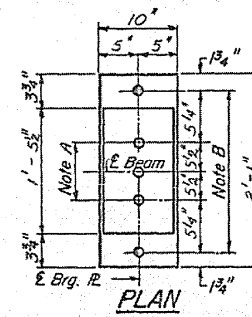
AT ABUTMENT

Note C:
t = 3/8" @ Girder-2, South Abut.
t = 3/8" @ Girder-3, North Abut.
t = 5/8" @ All other Bearings

NOTE A
1 3/8" Holes - 1" deep in top R.
for pintles. Thread or press fit
pintles into bottom R.



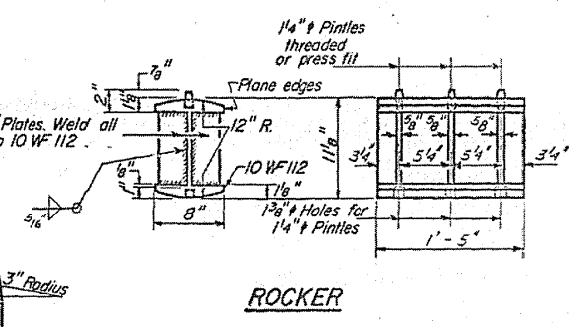
ELEVATION



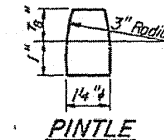
PLAN

AT PIER

NOTE B
1 1/2" Holes for 1" anchor bolts.
2 1/2" x 2 1/2" x 5/16" R. Washers
under nut.



ROCKER



PINTLE

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

- a) D* (Side of brg. away from fixed brg.)
D* = 1/8" per each 100' of expansion for every 15° fall below the normal temp. of 50°F
- D** (Side of brg. toward fixed brg.)
D** = 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.
- b) After Girders have been erected and dimensions D* or D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All Pier anchor bolts shall be built into the masonry.

BEARING ASSEMBLY DETAILS

STRESS TABLES

TABLE OF MOMENTS, REACTIONS AND SHEARS - INTERIOR BEAMS					
MOMENTS			REACTIONS		
STEEL SECTION		Pier	Abut.		Pier
D-L	537.3	1742.5	46.9	166.3	
COMPOSITE SEC.		Pier	Abut.		Pier
S-D.L	265.6	538.0	34.7	55.5	
L.L	658.0	121.7	7.8	12.5	
IMP	147.8	121.7	7.8	12.5	
TOTAL	1608.7	2402.2	89.4	234.3	
SHEAR					
STEEL SECTION		4 Point		2 Point	
S-D.L	14.4	5.0	4.3	13.6	
L.L	34.7	23.1	4.2	29.0	
IMP	7.8	5.3	18.6	6.5	
TOTAL	56.9	33.4	27.1	49.1	

Moments are in Ft.-Kips
Reactions and Shears are in Kips

PROPERTIES

STEEL SECTION	
I _e	15620 in ⁴
S _T S	598 in ³
S _B S	796 in ³
COMPOSITE SECTION	
I _c	40665 in ⁴
S _T C	4777 in ³
S _B C	1092 in ³
STEEL SECTION/PIER	
I _s	35119 in ⁴
S _T S	1471 in ³
S _B S	1471 in ³

TOP OF WEB ELEVATIONS
(For Fabrication only)

	GIRDER-1	GIRDER-2	GIRDER-3	GIRDER-4
E Brg. S. Abut.	750.75	750.89	750.92	750.85
E Splice A	751.26	751.37	751.37	751.26
E Brg. Pier	751.22	751.33	751.33	751.22
E Splice B	751.26	751.37	751.37	751.26
E Brg. N. Abut.	750.85	750.92	750.89	750.75

BEARING DETAILS
F.A.I. RT. 74 SEC. 74-3HB
PIATT COUNTY
STA. 1114 + 13.97

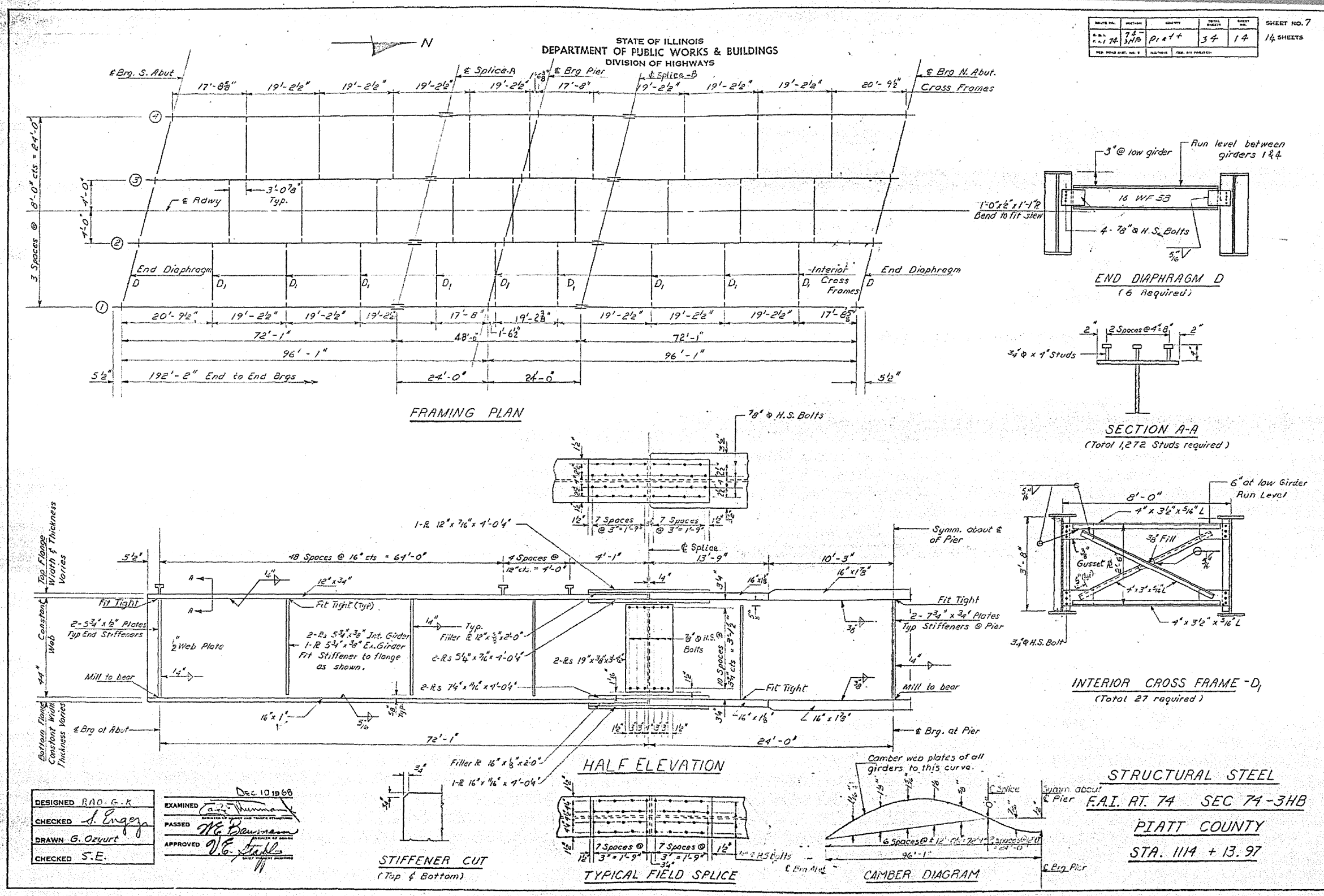
DESIGNED RAO G.K.
CHECKED J. Enger
G. Ozyurt
DRAWN P.G. Bennett
CHECKED S.E.

EXAMINED *[Signature]*
PASSED *[Signature]*
APPROVED *[Signature]*

Dec. 10 1968

I-2-B 9-1-55

AS-BUILT PLANS FOR INFORMATION ONLY



DESIGNED RAO, G.-K.
 CHECKED J. Engey
 DRAWN G. Ozvurt
 CHECKED S.E.

EXAMINED *[Signature]*
 PASSED *[Signature]*
 APPROVED *[Signature]*

Dec 10 1969

STRUCTURAL STEEL
 F.A.I. RT. 74 SEC 74-3HB
 PIATT COUNTY
 STA. 1114 + 13.97

AS-BUILT PLANS FOR INFORMATION ONLY

ELEVATION AT ABUTMENT

BEAM REACTIONS - W. ABUT.

RR (K)	23.7
RL (K)	37.3
Imp. (K)	10.5
R (Total) (K)	71.5

BEAM REACTIONS - E. ABUT.

RR (K)	19.8
RL (K)	36.3
Imp. (K)	10.4
R (Total) (K)	66.5

Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 40 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.
Drilled and set anchor bolts shall be installed according to Article 521.05 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.
Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

PLAN TOP AND BOTTOM PLATE

SECTION A-A

SECTION B-B

STEEL EXTENSION DETAIL

TYPE II TFE ELASTOMERIC EXP. BRG.

**TOP BEARING ASSEMBLY
(Looking North)**

PLAN-TFE SURFACE

SECTION THRU TFE

BOTTOM BEARING ASSEMBLY

DIAPHRAGM REPLACEMENT DETAIL
(If Required, See Location Sketch on sheet of)
Fasteners shall be high strength bolts. Bolts 3/4", open holes 5/8", unless otherwise noted.

SECTION C-C

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

EXISTING BEARING REMOVAL DETAIL
Cost included with Jack and Remove Existing Bearings.

SETTING ANCHOR BOLTS AT EXP. BRG.
D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL (074-0042)

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1780
Structural Steel Removal	Pound	340
Anchor Bolts 1"	Each	24

BILL OF MATERIAL (074-0043)

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	3720
Structural Steel Removal	Pound	2030
Anchor Bolts 1"	Each	24

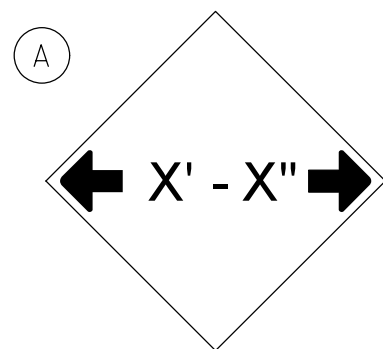
TYII/REPS 12-03-2008

DESIGNED	SMR	EXAMINED	James A. Holt	DATE	DECEMBER 3, 2014
CHECKED	DAB	PASSED	ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	baliga		ACTING ENGINEER OF BRIDGES AND STRUCTURES		
CHECKED	SMR DAB				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT BEARING REPLACEMENT DETAILS
SN 074-0042 & 0043**

SHEET NO. 10 OF 28 SHEETS

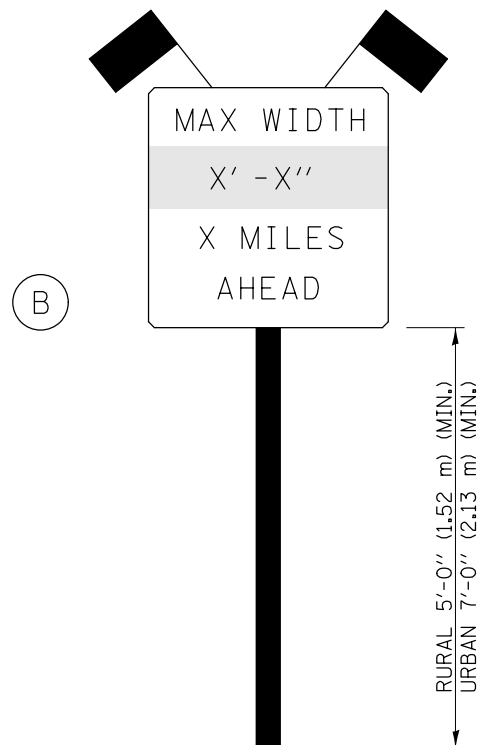


W12-2(0)-48"x48"(1200x1200)

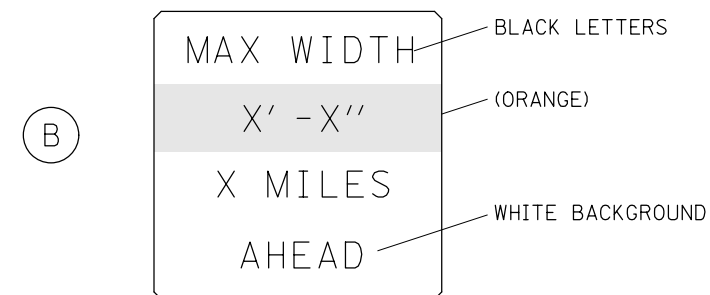
STAGE I 15'-9"
STAGE II 12'-9"

SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-I103(0)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

STAGE I 15'-9"
STAGE II 12'-9"

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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		PLOT SCALE = 40.0000' / in.	REVISOR - -
		DATE -	REVISOR - -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. X7200201

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		PIATT	35	35
•D5 BRIDGE PAINTING 2018-1			CONTRACT NO. 70C67	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		