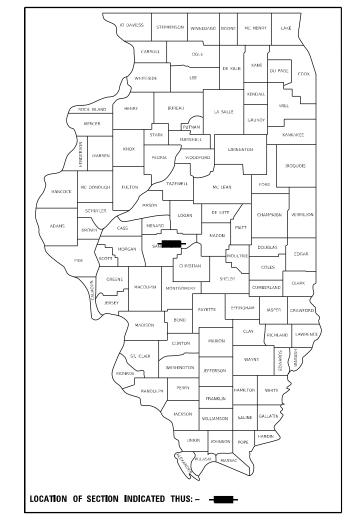
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. RTE. SECTION COUNTY SHEETS NO. 72A (84-10-1HB-1)BP SANGAMON 7 1 1 1 1 1 1 1

D-96-012-24



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUBMITTED December 11 20 23

ruary 2, 2024 CE

February 2, 2024

DIRECTOR OF HIGHWARS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROPOSED HIGHWAY PLANS

FAI ROUTE 72A (I-72)
SECTION (84-10-1HB-1)BP
PROJECT NHPP-FQFK(907)
BRIDGE PAINTING
SANGAMON COUNTY

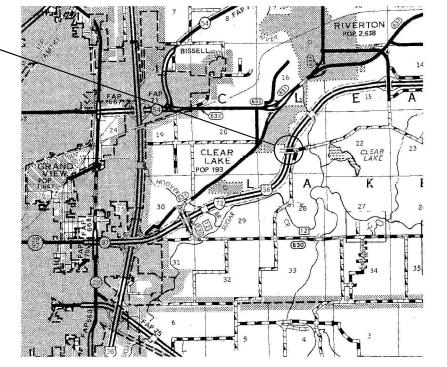
C-96-028-24



PROJECT LOCATION

SN 084-0151

OAK CREST RD OVER I-72
2.9 MI E I-55



100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100'
0 50' 100'
1"= 50'
0 50' 100'
- 1"= 30'
0 50' - 1"= 30'
0 50' - 1"= 20'

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 EXCAVATORS
1-800-892-0123

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY - (217) 785-9290

GROSS LENGTH = X.XX FT. = X.XX MILE

NET LENGTH = X.XX FT. = X.XX MILE

CONTRACT NO. 72618

 \bigcirc

HIGHWAY STANDARDS

INDEX OF SHEETS

COVER SHEET

INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES SUMMARY OF QUANTITIES

4-7 EXISTING BRIDGE PLANS, SN 084-0151

000001-08 001006 701101-05 701106-02 701400-12 701402-12 701901-09 704001-08 782006-01

GENERAL NOTES:

- 1. WORK SHALL CONSIST OF BLASTING AND PAINTING STRUCTURAL STEEL AT LOCATIONS DESCRIBED IN THE SPECIAL PROVISIONS. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS TO BE PAINTED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING PER SSPC SP 10. ALL EXISTING STEEL CLEANED SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 OZ/E/U. THE COLOR OF THE FINAL FINISH COATS SHALL BE AS DESCRIBED IN THE SPECIAL PROVISIONS.
- 2 THE USE OF AIR MONITORS WILL BE REQUIRED AT LOCATIONS AS CALLED OUT IN THE SPECIAL PROVISIONS.
- 3. THE SSPC-QP-1 AND SSPC-QP2 PAINTING CONTRACTOR CERTIFICATIONS WILL BE REQUIRED.
- 4. CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. RUBBER COMPONENTS SHALL NOT BE PAINTED.
- 5. UPON COMPLETION OF PAINTING OPERATIONS, THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM PIER OR ABUTMENT CAPS UPON WHICH PAINTING OPERATIONS TOOK PLACE. FINAL CLEANUP SHALL BE CONSIDERED INCIDENTAL TO THE PAINT PAY ITEM FOR THE RESPECTIVE LOCATION. THE ENGINEER SHALL HAVE THE RIGHT TO WITHOLD PAYMENT UNTIL SATISFACTORY CLEANUP IS ACHIEVED.

	STATE OF ILLINOIS IMENT OF TRANSPORTATION IVISION OF HIGHWAYS DISTRICT 6
EXAMINED	November, 23 20 23 ENGINEER OF OPERATION
EXAMINED	November, 22 20 23 ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	December, 11 20 23

REV. - MS

COUNTY TOTAL SHEET NO.
SANGAMON 7 2 CONTRACT NO. 72618

USER NAME = Brandon.Dudley	DESIGNED	REVISED =		INDEX OF SHEETS, STANDARDS,		F.A.I.	SECTION	COUNTY		
	DRAWN -		STATE OF ILLINOIS			72A	(84-10-1HB-1)BP	SANGAMON		
PLOT SCALE = 100.0000 / in.	CHECKED	REVISED =	DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, & SIGNATURES			· · · · · · · · · · · · · · · · · · ·	CONTRACT		
PLOT DATE = 12/11/2023	DATE	REVISED +		SCALE: SI	SHEET OF	SHEETS STA.	TO STA.	Ĭ	ILLINOIS FED. A	

0-01377-6005 NHPP 90/10

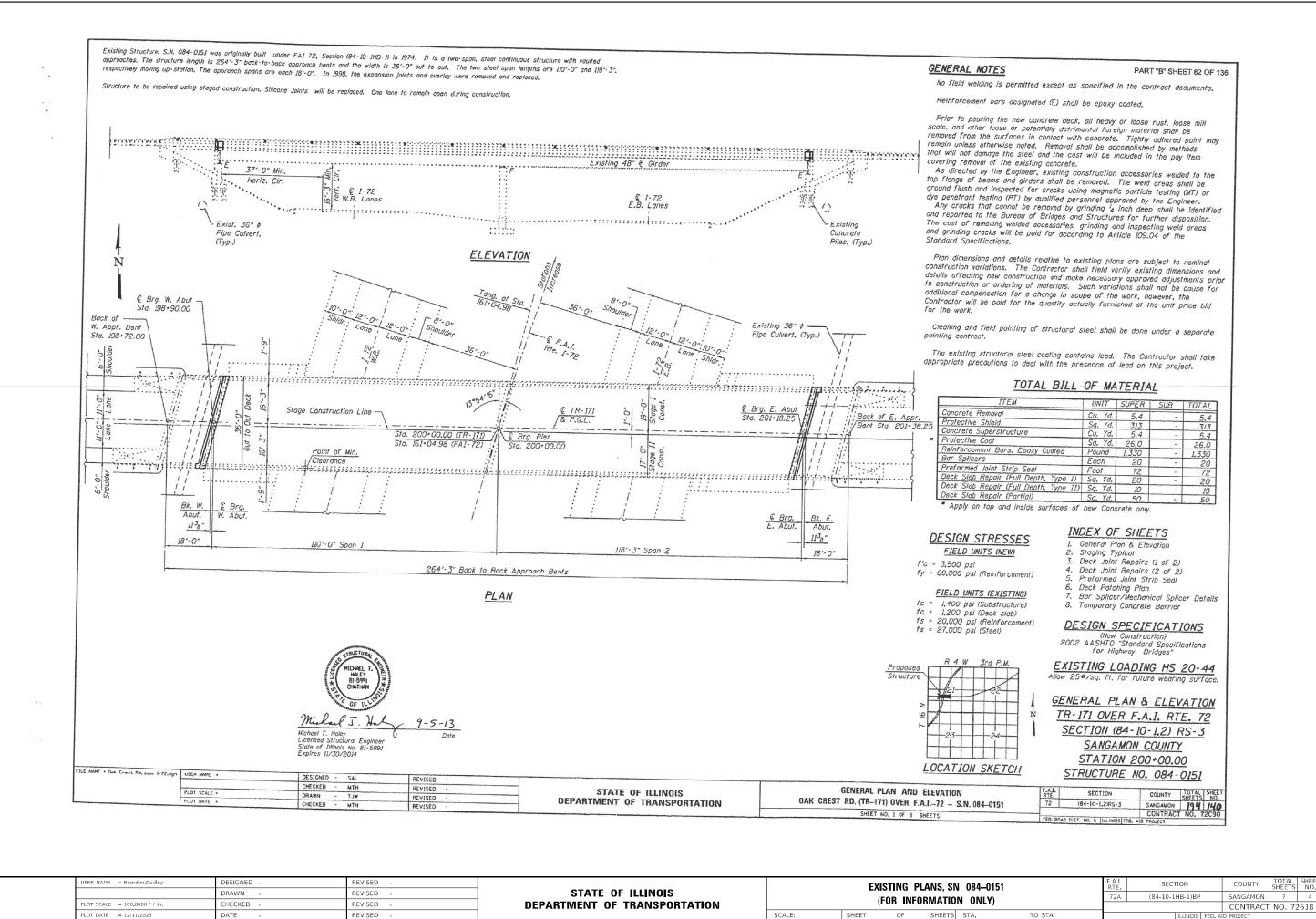
CODE			TOTAL	SN 084-0151 0047-URBAN
NO.	ITEM	UNIT	QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	1 4
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2023	DATE -	REVISED -

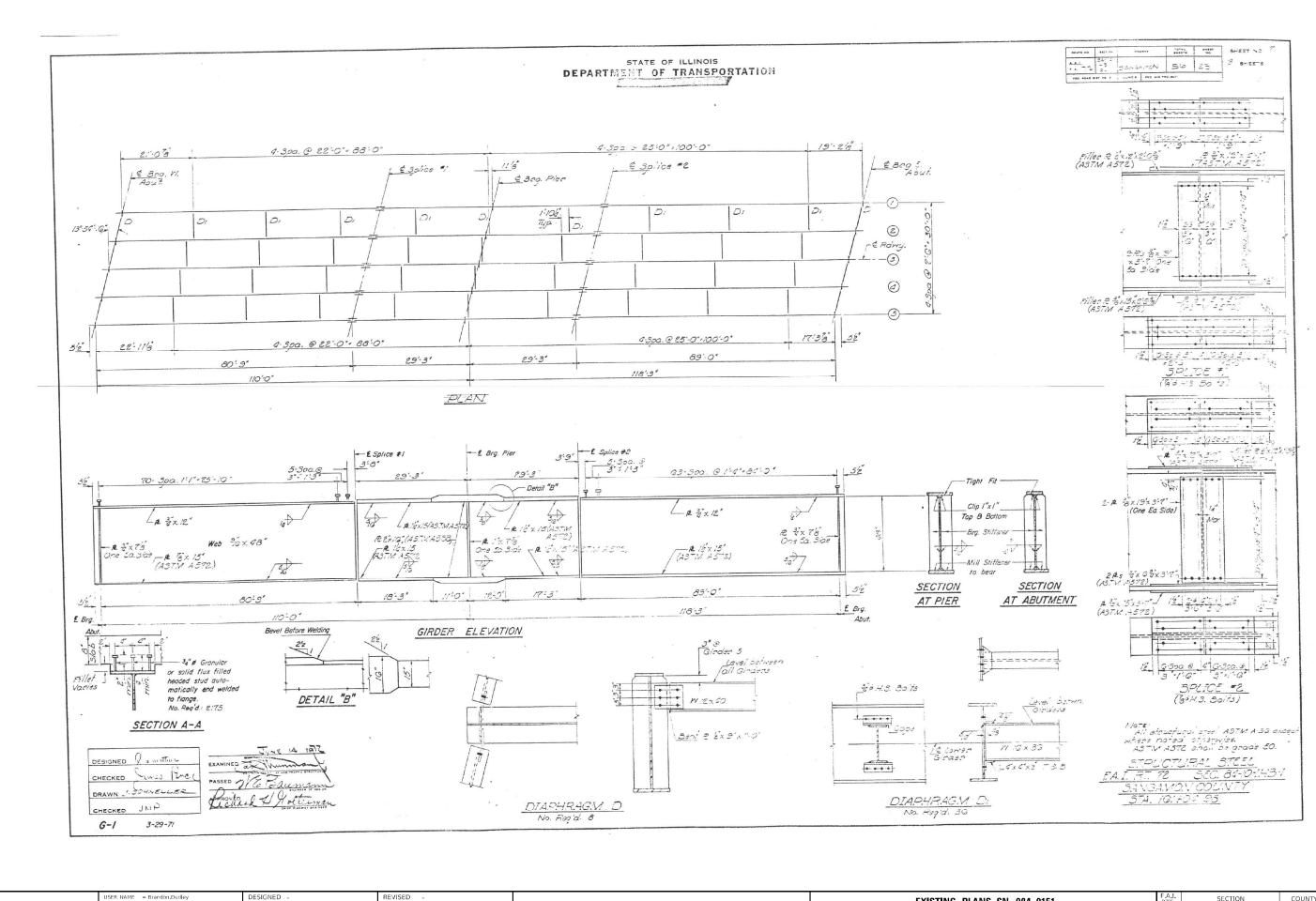
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

				F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	SUMMARY OF QUANTITIES				72A	(84-10-1HB-1)BP	SANGAMON	7	3	
								CONTRACT	NO. 7	2618
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		



MODEL: Default

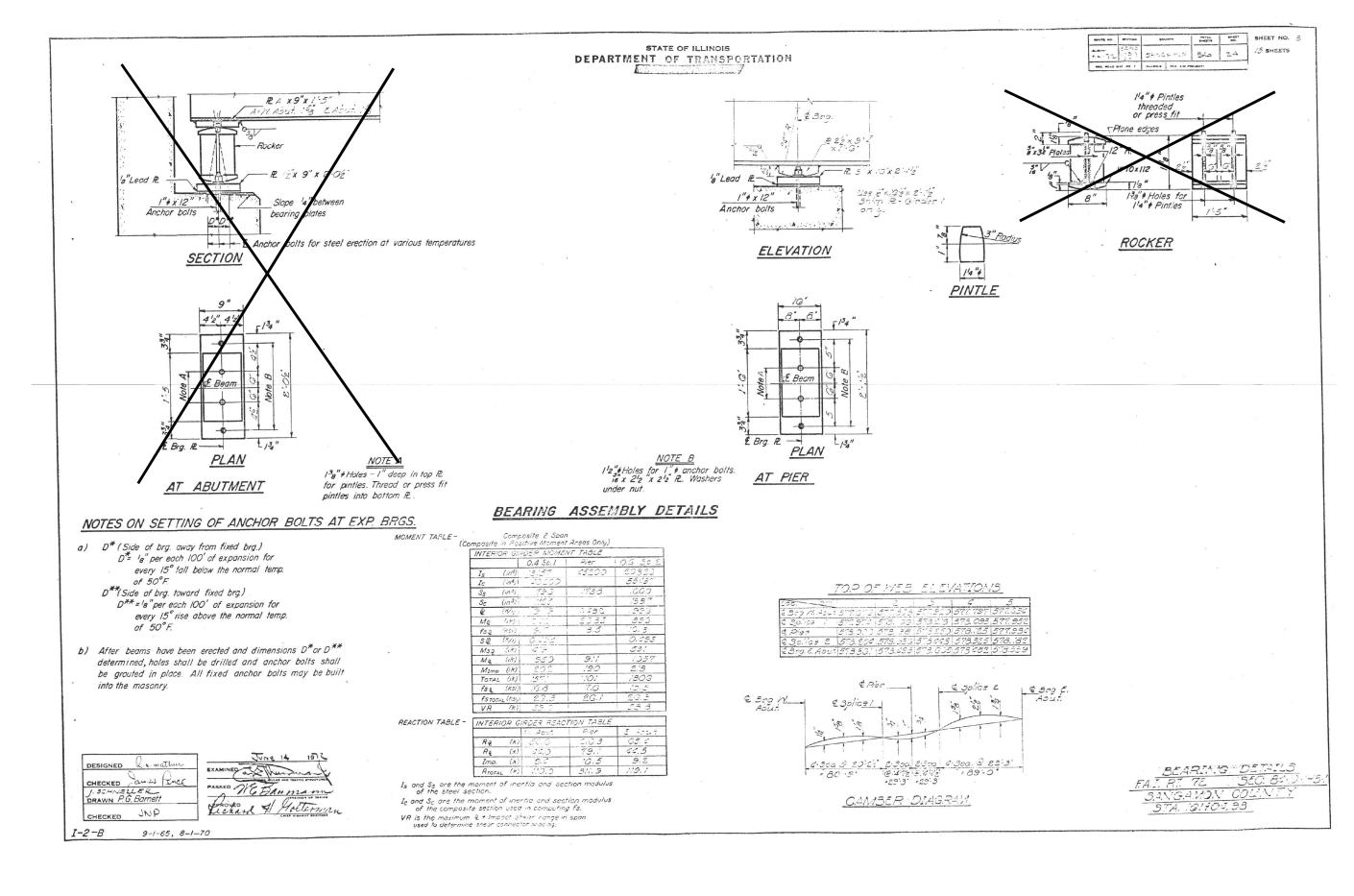


MODEL: Default

| DRAWN - REVISED - | PLOT SCALE = 100,0000 ' / in. | CHECKED - REVISED - | PLOT DATE = 12/11/2023 | DATE - REVISED - | PLOT DATE | PLOT D

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION EXISTING PLANS, SN 084-0151
(FOR INFORMATION ONLY)
HEET OF SHEETS STA. TO STA.

SCALE:



 USER NAME
 = Brandon.Dudley
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 100,0000 ' / in.
 CHECKED
 REVISED

 PLOT DATE
 = 12/11/2023
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS, SN 084–0151
(FOR INFORMATION ONLY)

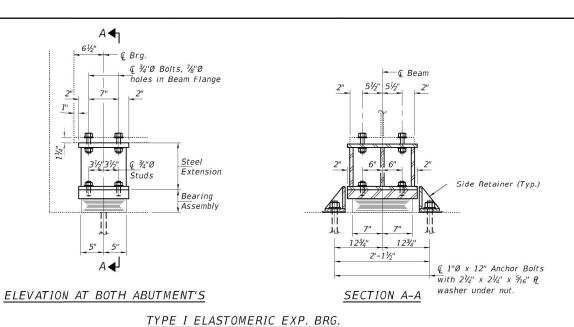
OF SHEETS STA. TO STA.

 F.A.I. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEETS NO.

 72A
 (84-10-1HB-1)BP
 SANGAMON
 7
 6

 CONTRACT NO. 72618

 ILLINOIS FED. AID PROJECT



BEAM REACTIONS

		W. Abut.	E. Abut.
R₽	(K)	56.6	65.4
R Ł	(K)	44	44.5
Imp.	(K)	9.4	9.2
R (Total)	(K)	110	119.1

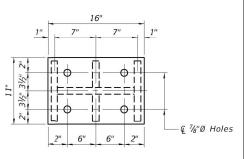
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel. New steel extensions, shim plates and connection bolts

are included with Furnishing and Erecting Structural Steel.

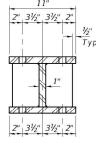
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

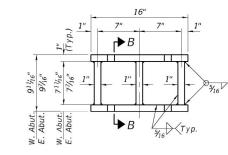
Min. Jack capacity = 26 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor 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.
Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



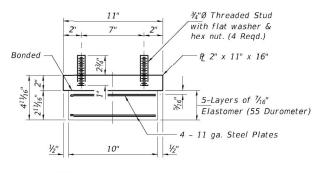
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.

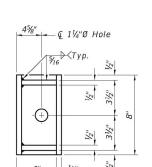


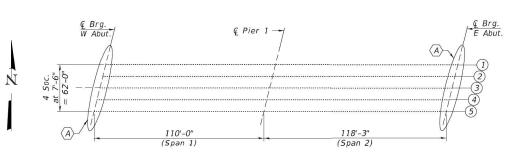
Existing P to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



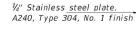


PARTIAL FRAMING PLAN

A - Bearing Removal and Replacement.

BILL OF MATERIAL NORTH ABUTMENT

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	10
Jack and Remove Existing Bearings	Each	10
Furnishing and Erecting Structural Steel	Pound	1960
Anchor Bolts, 1"Ø	Each	20



<u>SIDE RETAINER</u>

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

EXPIRES 11-30-2022

			15					
DESIGNED	-	Victor H. Veliz	EXAMINED		DATE	-	JUNE 21, 2022	Г
CHECKED	-	Steven M. Ryan		ENGINEER OF STRUCTURAL SERVICES		_		
DRAWN	-	Venkat Ramana Reddy	PASSED		REVISE	D	-	1
CHECKED	-	VHV SMR	3	ENGINEER OF BRIDGES AND STRUCTURES	REVISE	D	-	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BEARING DETAILS - BOTH ABUTMENTS
OAK CREST (TR 171) OVER I-72
SN 084-0151
SHEET NO. 1 OF 1 SHEETS

SHEET

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
72,72A	(84-9-2HB, 84-10-1HB-1)B	RR	SANGAMON	7	7	
_			CONTRACT	NO. 720	16	
	ILLINOIS F	ED, A	D PROJECT			

USER NAME = Brandon	Dudley DESIGNE	O -	REVISED	
	DRAWN	-	REVISED	-
PLOT SCALE = 100,000) / in CHECKEE	_	REVISED	-
PLOT DATE = 12/11/20	DATE	-	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

EXISTING PLANS, SN 084–0151 (FOR INFORMATION ONLY)		F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE
		72A	(84-10-1HB-1)BP	SANGAMON	7	7
(1011 HAI OHMATION GIVET)				CONTRACT	NO. 72	2618
T OF CHEETS CTA	TO CTA					