INDEX OF SHEETS:

1-18-13 LETTING ITEM 075

- 1. COVER SHEET
- 2. SUMMARY OF QUANTITIES, GENERAL NOTES
- 3. TRAFFIC CONTROL PLAN
- 4. DISTRICT STANDARD
- 5. FRAMING PLAN & GENERAL NOTES
- 6 46 EXISTING BRIDGE PLANS

#### STANDARDS:

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701101-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

701400-05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY

701401-06 LANE CLOSURE, FREEWAY/EXPRESSWAY

701402-09 LANE CLOSURE, FREEWAY/EXPEWSSWAY, WITH BARRIER

701411-08 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH

701901-02 TRAFFIC CONTROL DEVICES

704001-07 TEMPORARY CONCRETE BARRIER

720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

728001-01 TELESCOPING STEEL SIGN SUPPORT

729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)

#### STATE OF ILLINOIS

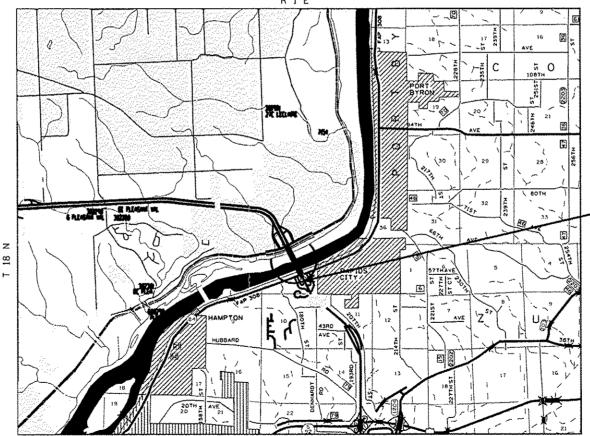
DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

## PROPOSED HIGHWAY PLANS

FAI ROUTE 80 (I-80) SECTION D2 BRIDGE PAINTING 2012-2 ROCK ISLAND COUNTY

C-92-087-12



NET LENGTH OF IMPROVEMENT = 3,487 FEET = 0.66 MILES GROSS LENGTH OF IMPROVEMENT = 3,487 FEET = 0.66 MILES

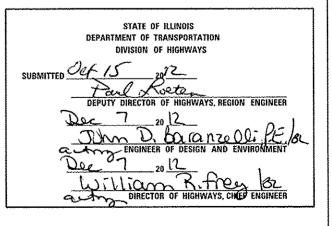


80 02 Bridge Pointing 2012-2 ROCK ISLAND 46 1
FEB. ROAD DIST. NO. 11LINOIS CONTRACT NO. 64H81

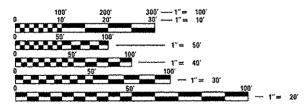
D-92-056-12

PROJECT LOCATION SN: 081-0011

N



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



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: Mahmoud Etemadi (815)-284-5393

HAMPTON TOWNSHIP, SECTION 3

**CONTRACT NO. 64H81** 

## SUMMARY OF QUANTITIES

50% IL 50% IOWA

			507.10W
Pay Item Number	Description	Units	Total Quantity
			0014
20007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO.1	L SUM	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. I	L SUM	
67100100	MOBILIZATION	L SUM	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5
78300100	PAVEMENT MARKING REMOVAL	SO FT	2,334
70300220	TEMPORARY PAVEMENT MARKING-LINE4"	FOOT	7,000
70600250	IMPACT ATTENUATORS, TEMPORARY (NON - REDIRECTIVE), TEST LEVEL 3	EACH	i
70400100	TEMPORARY CONCRETE BARRIER	F00T	4,200
70100207	TRAFFIC CONTROL AND PROTECTION STANDARD 701402	EACH	1
70,00420	TRAFFIC CONTROL AND PROTECTION STANDARD 701411	EACH	2
			**

## **GENERAL NOTES**

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123.

The SSPC OP1 & OP2 Contractor Certifications will be required for this contract.

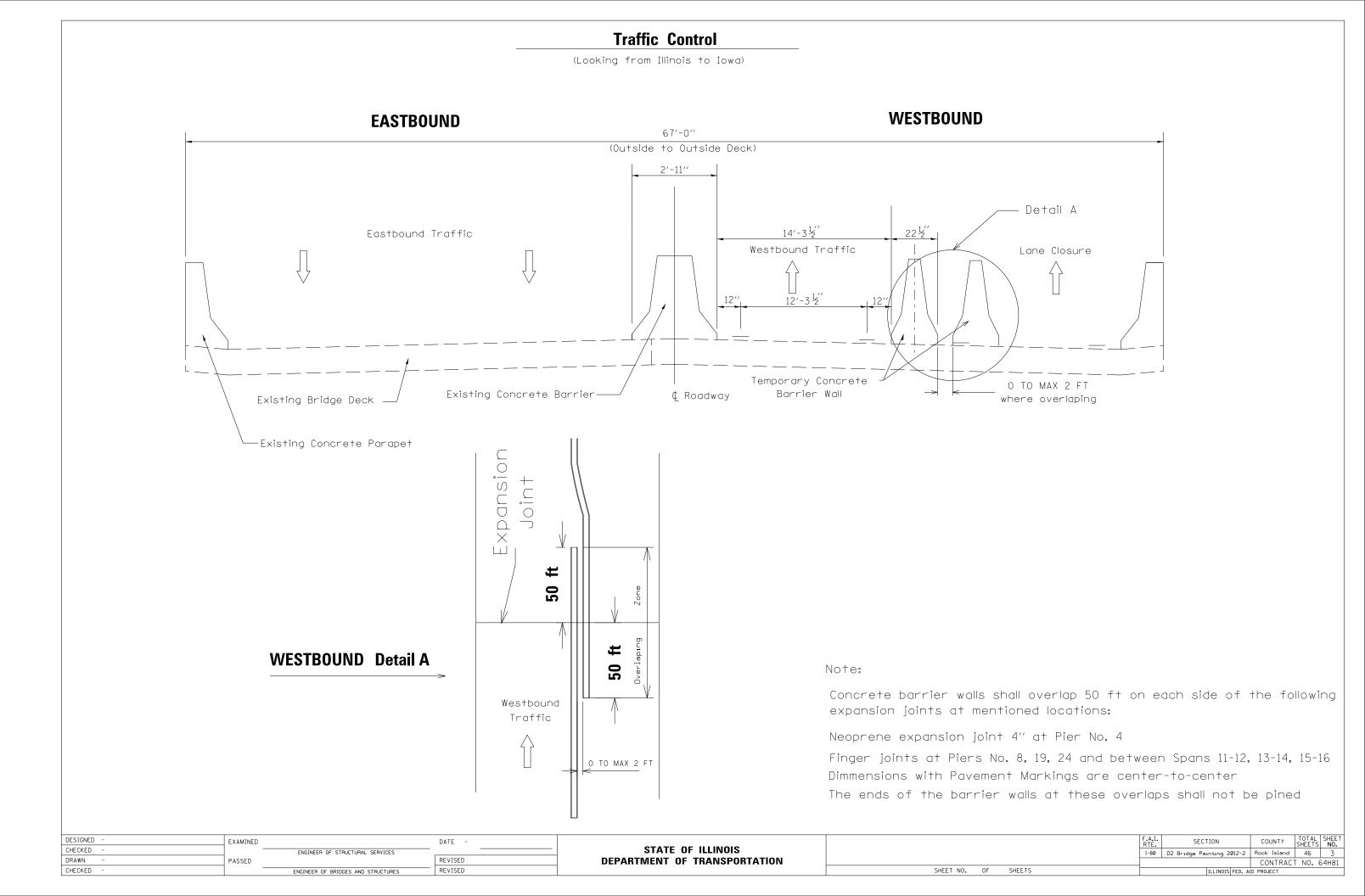
Work on this project may be in progress at the same time as work on a structure rehabilitation, contract 64H33. Work on these projects shall be scheduled in a manner to eliminate or minimize any interference between the contractors.

FILE NAME :	USER NAME : bortesc	DESIGNED -	REVISEO -
\\CENTRAL\Shared\D2\8R\CONSTAHTIN\64H	i ISO Painting\Covar Sheetdgn	DRAWN -	REVISED -
	PLOT SCALE = 5000,010 1/ in.	CHECKED -	REVISED -
	PLOT DATE * Mon Oct 15 08:29:26 2012	DATE -	REVISED -

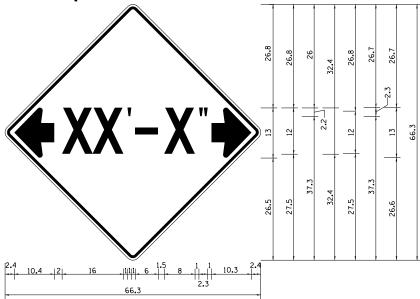
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		Summary	of Qu	antities
·····	T	 		4

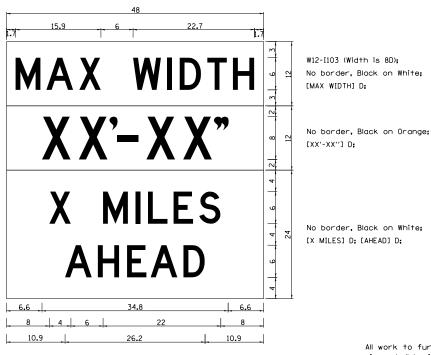
A.I.	SECTION	COUNTY	TOTAL	SHEET NO.
-80	D2 BRIDGE PAINTING 2012-2	Rock Island	46	2
		CONTRAC	T NO. (	64H81



# INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



W12-2 - Horizontal Clearance Sign
48.0" across sides, 1.9" Radius,
0.8" Border, 0.5" Indent, Black on
Orange; Standard Arrow Custom
10.4" X 8.1" 180° Black 11 Inch
D Series Lettering; Standard Arrow
Custom 10.4" X 8.1" 0°



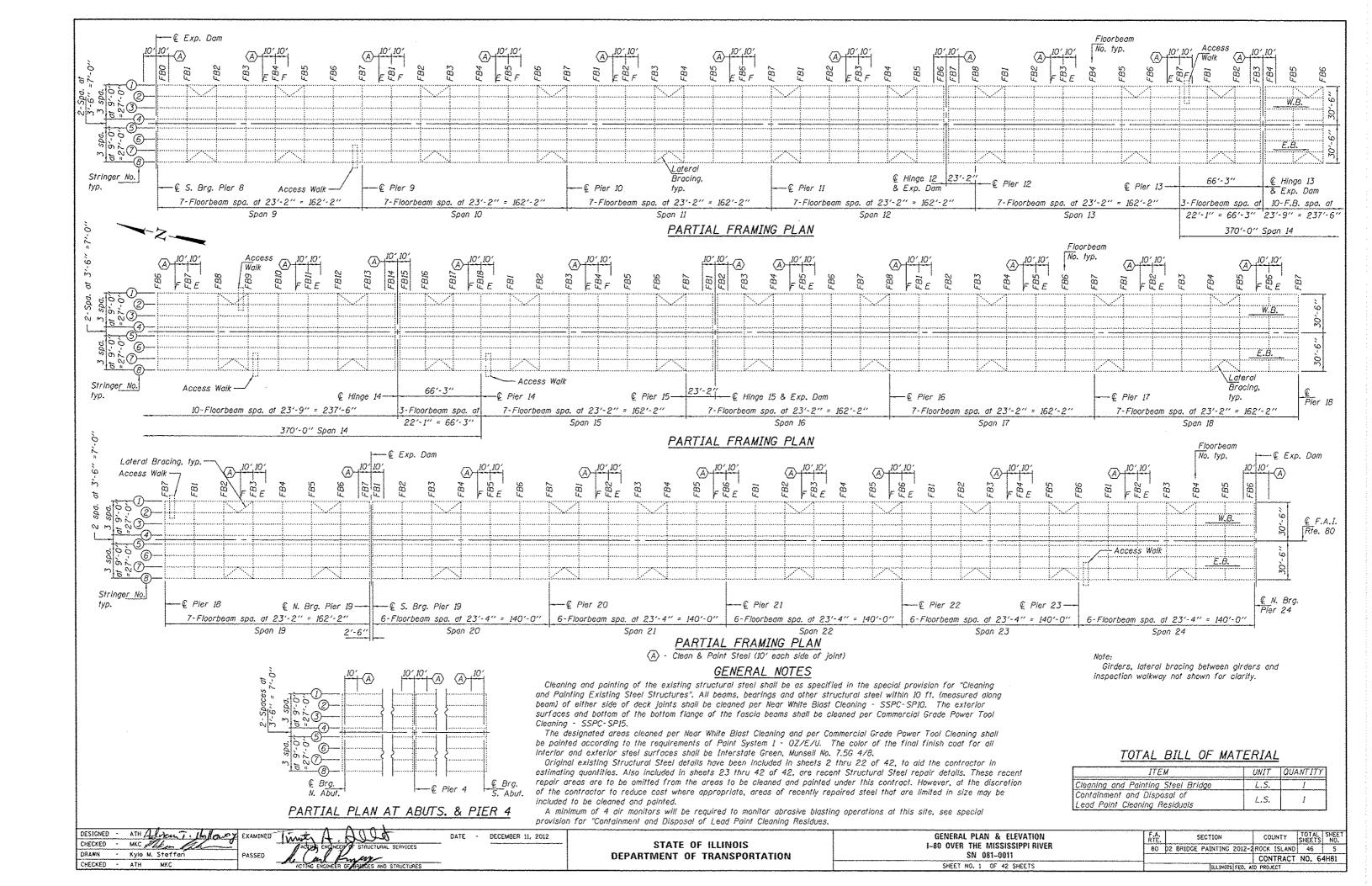
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

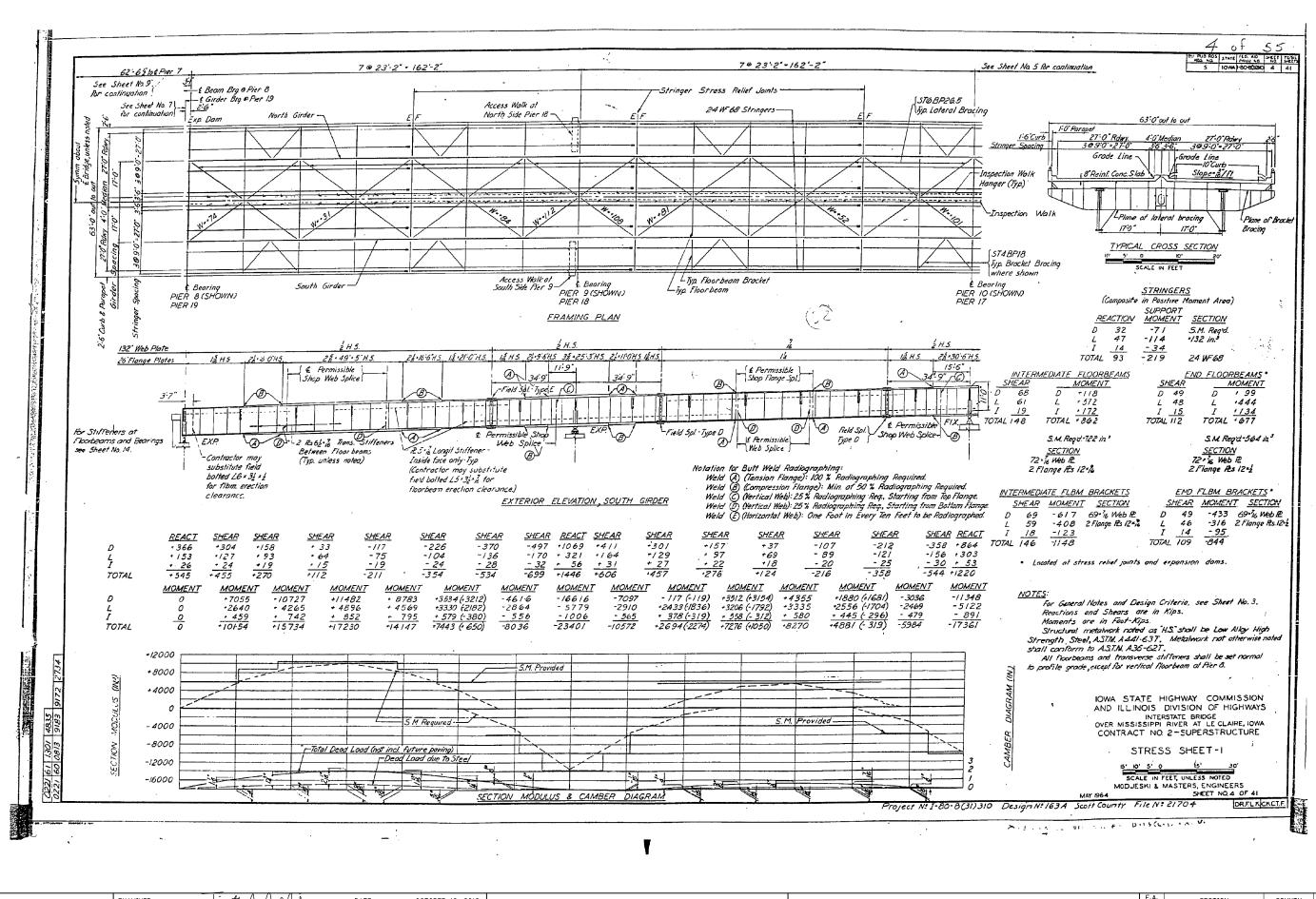
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

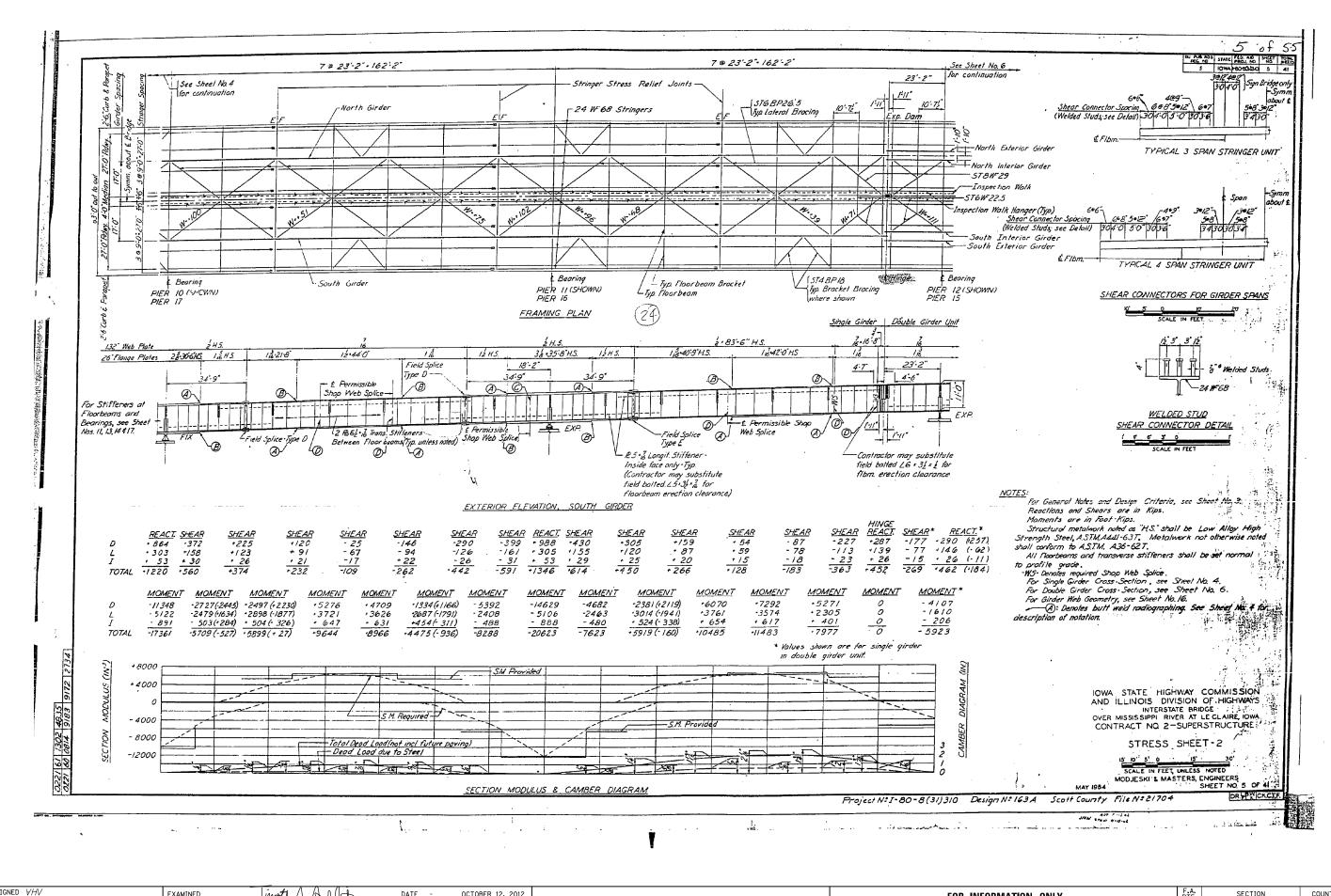
#### INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

DESIGNED -	EXAMINED		DATE -			F.A.I. SECTION COUNTY TOTAL SHEET
CHECKED -	-	ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS		I-80 D2 Bridge Painting 2012-2 Rock Island 46 4
DRAWN -	PASSED		REVISED	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 64H81
CHECKED -	] -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. OF SHEETS	ILLINOIS FED. AID PROJECT

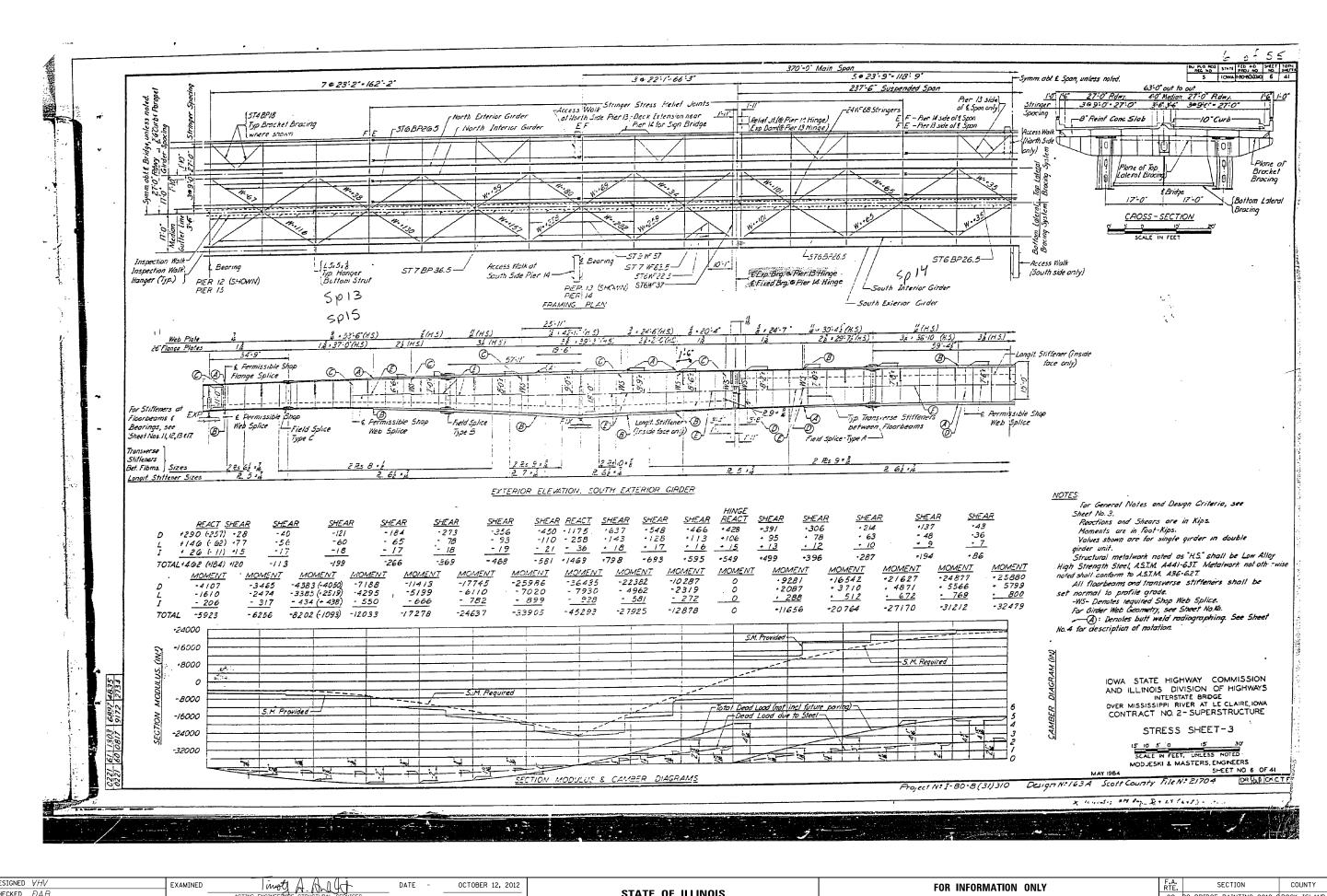




DESIGNED VHV ACTING ENGINEER OF EXAMINED OCTOBER 12, 2012 SECTION COUNTY FOR INFORMATION ONLY STATE OF ILLINOIS CHECKED DAB 80 D2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 6 SN 081-0011 DRAWN baliva PASSED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 64H81 SHEET 2 OF 42 SHEETS CHECKED VHV DAE



DESIGNED VHV ACTING ENGINEER OF EXAMINED OCTOBER 12, 2012 SECTION COUNTY FOR INFORMATION ONLY STATE OF ILLINOIS CHECKED DAB 80 D2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 7 SN 081-0011 DRAWN baliva PASSED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 64H81 SHEET 3 OF 42 SHEETS CHECKED VHV DAF



DESIGNED VHV
CHECKED DAB
DRAWN Baliva
CHECKED VHV DAB

EXAMINED
OCTOBER 12, 2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 4 0F 42 SHEETS

FOR INFORMATION ONLY
ACTING ENGINEER OF STRUCTURAL SERVICES
NO.
BO 2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 8

DEPARTMENT OF TRANSPORTATION

SHEET 4 0F 42 SHEETS

SHEET NO.
BO 2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 8

COUNTY TOTAL SHEET NO.
BO 2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 8

DEPARTMENT OF TRANSPORTATION

SHEET 4 0F 42 SHEETS

SHEET NO.
BO 2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 8

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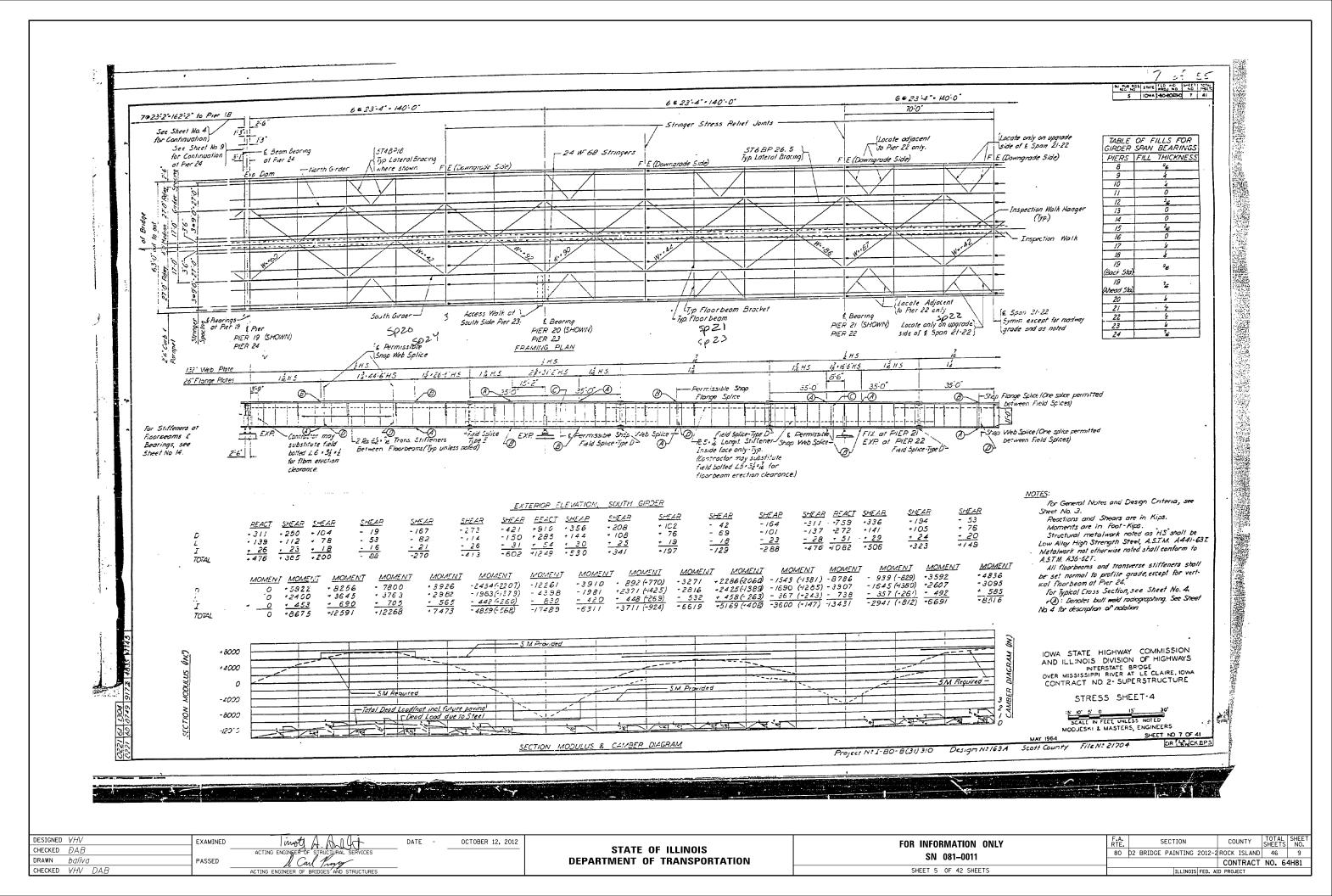
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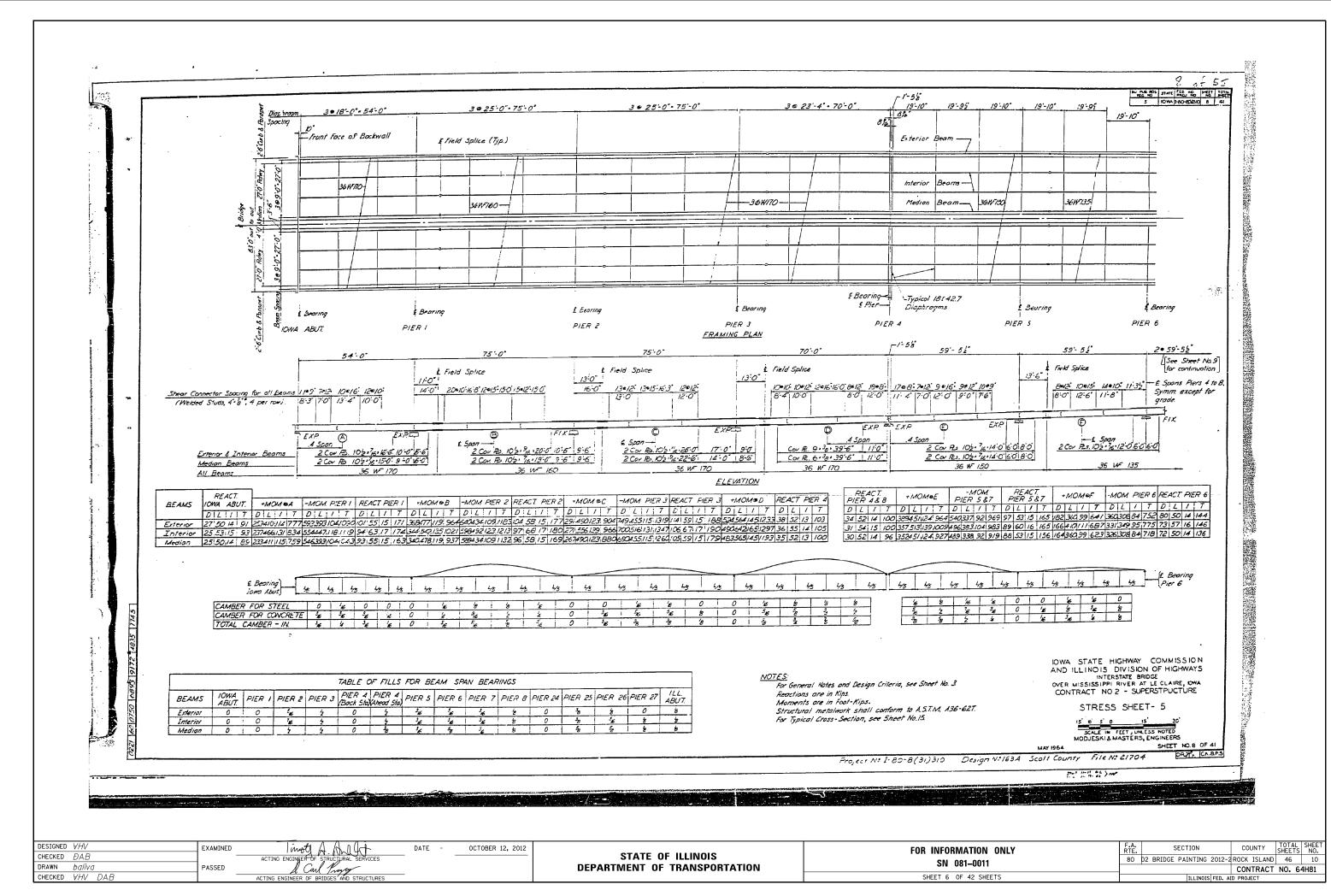
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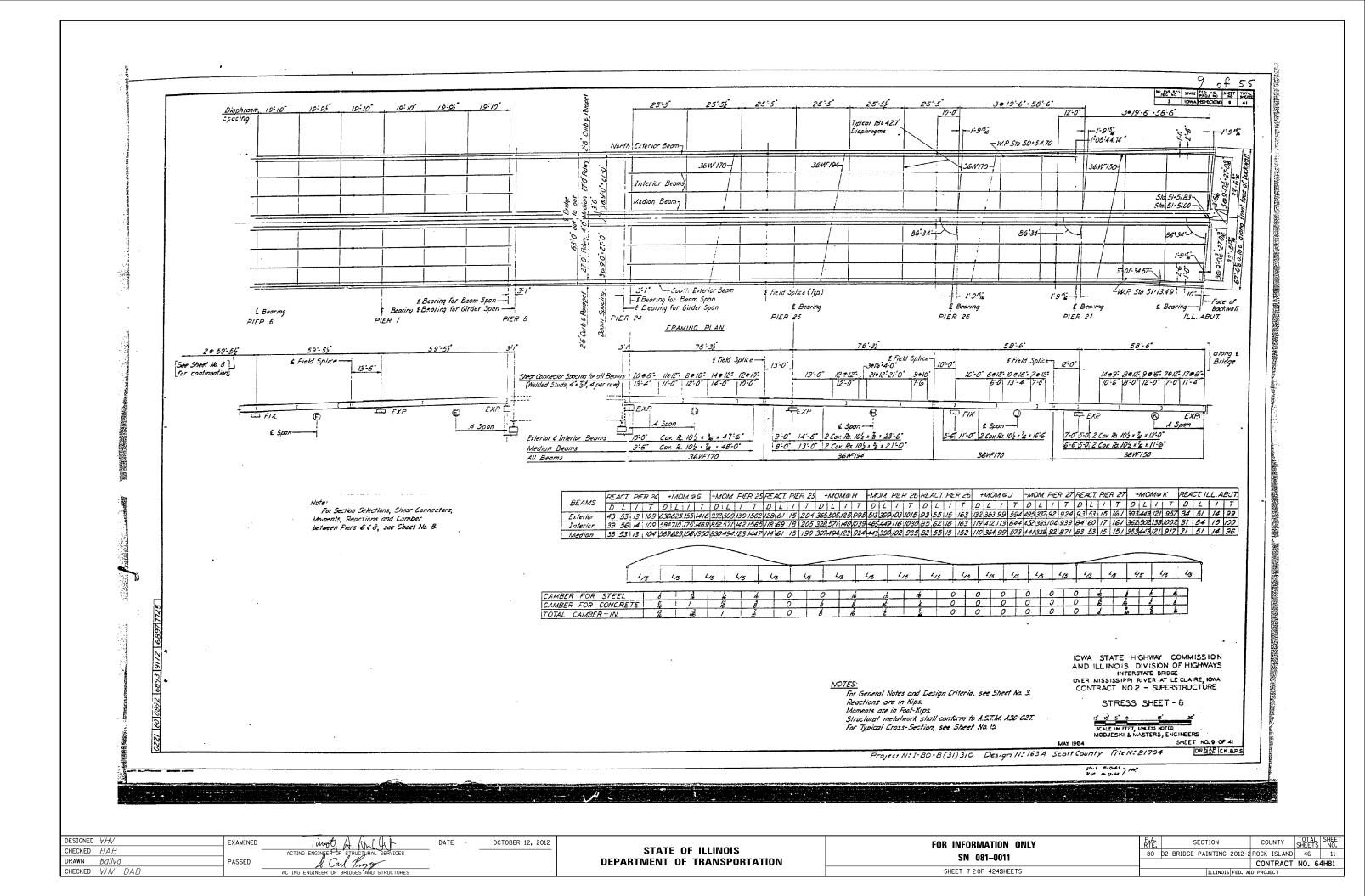
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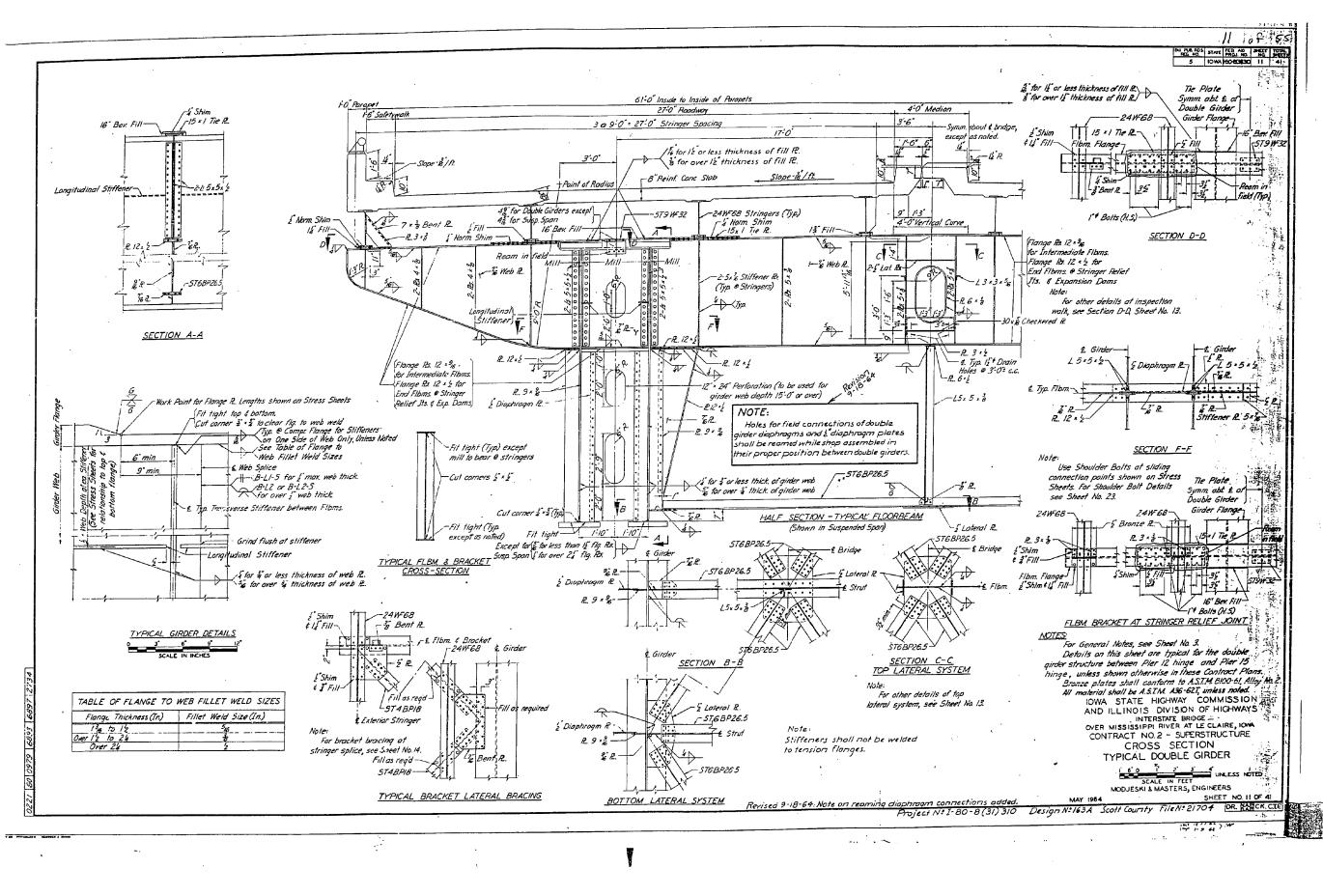
BO 2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 8

BO 2 BRIDGE PAI









DESIGNED VHV

CHECKED DAB

DRAWN Baliva

CHECKED VHV DAB

EXAMINED Worth A Date - OCTOBER 12, 2012

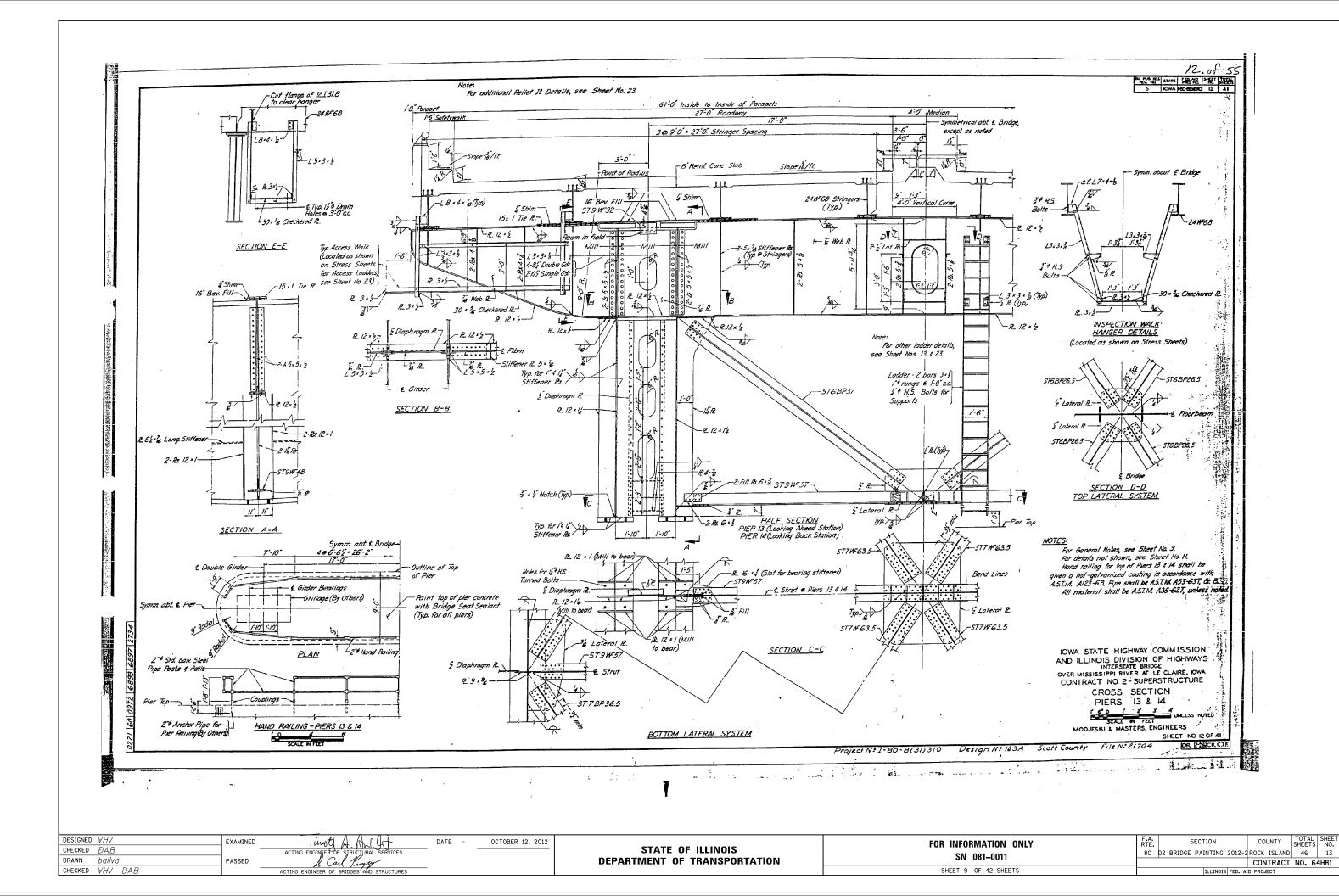
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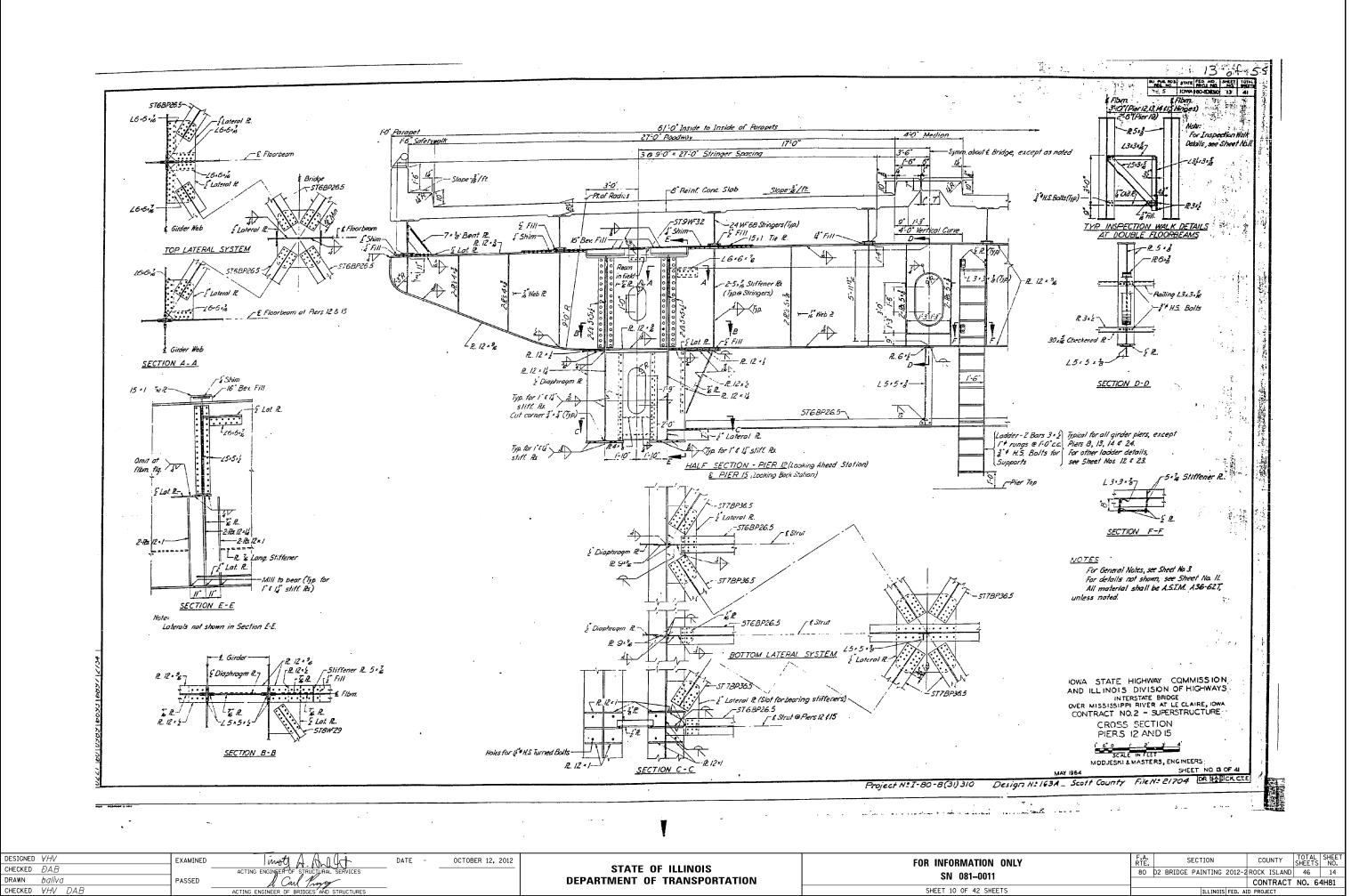
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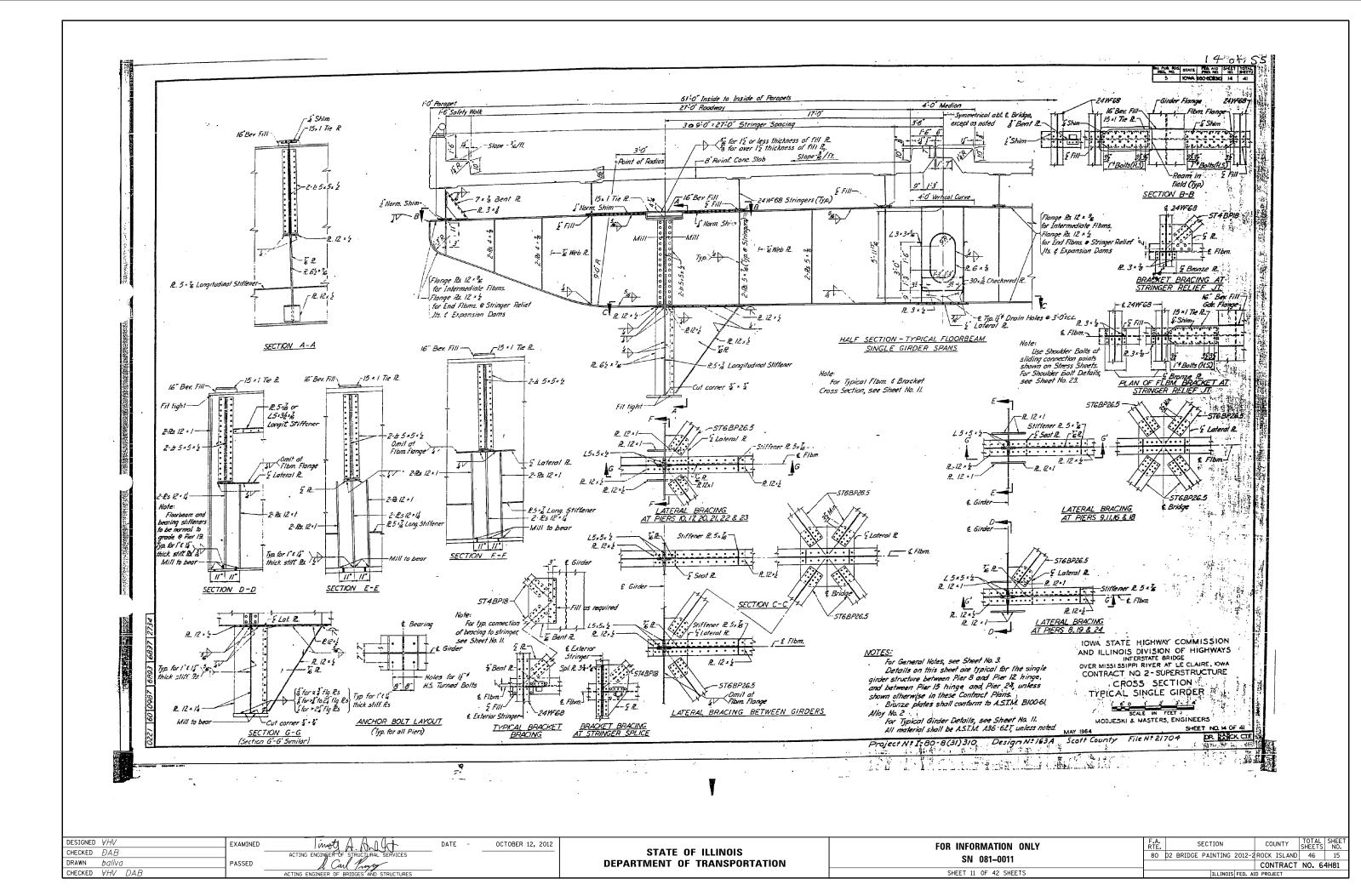
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

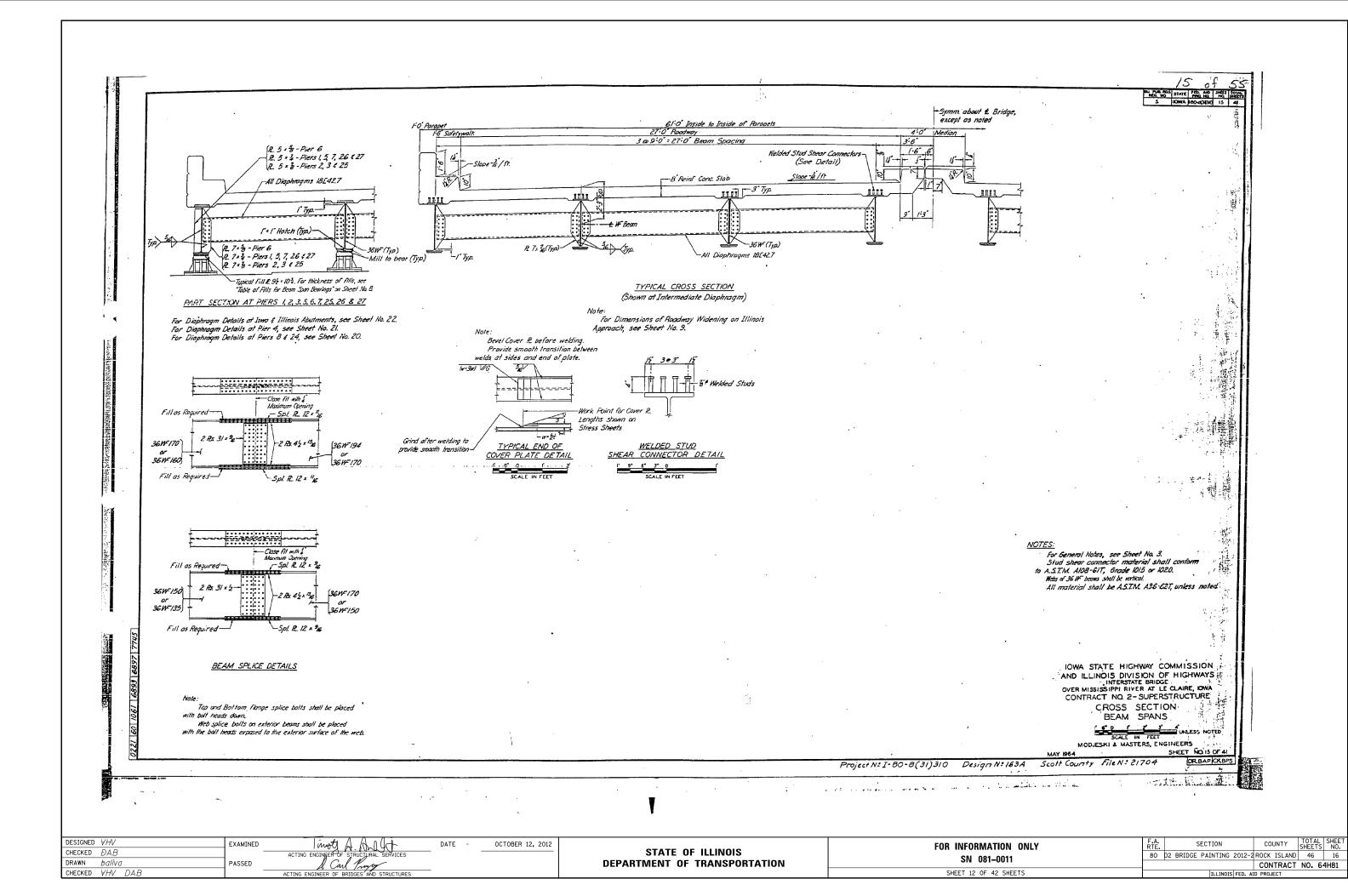
FOR INFORMATION ONLY
SN 081-0011

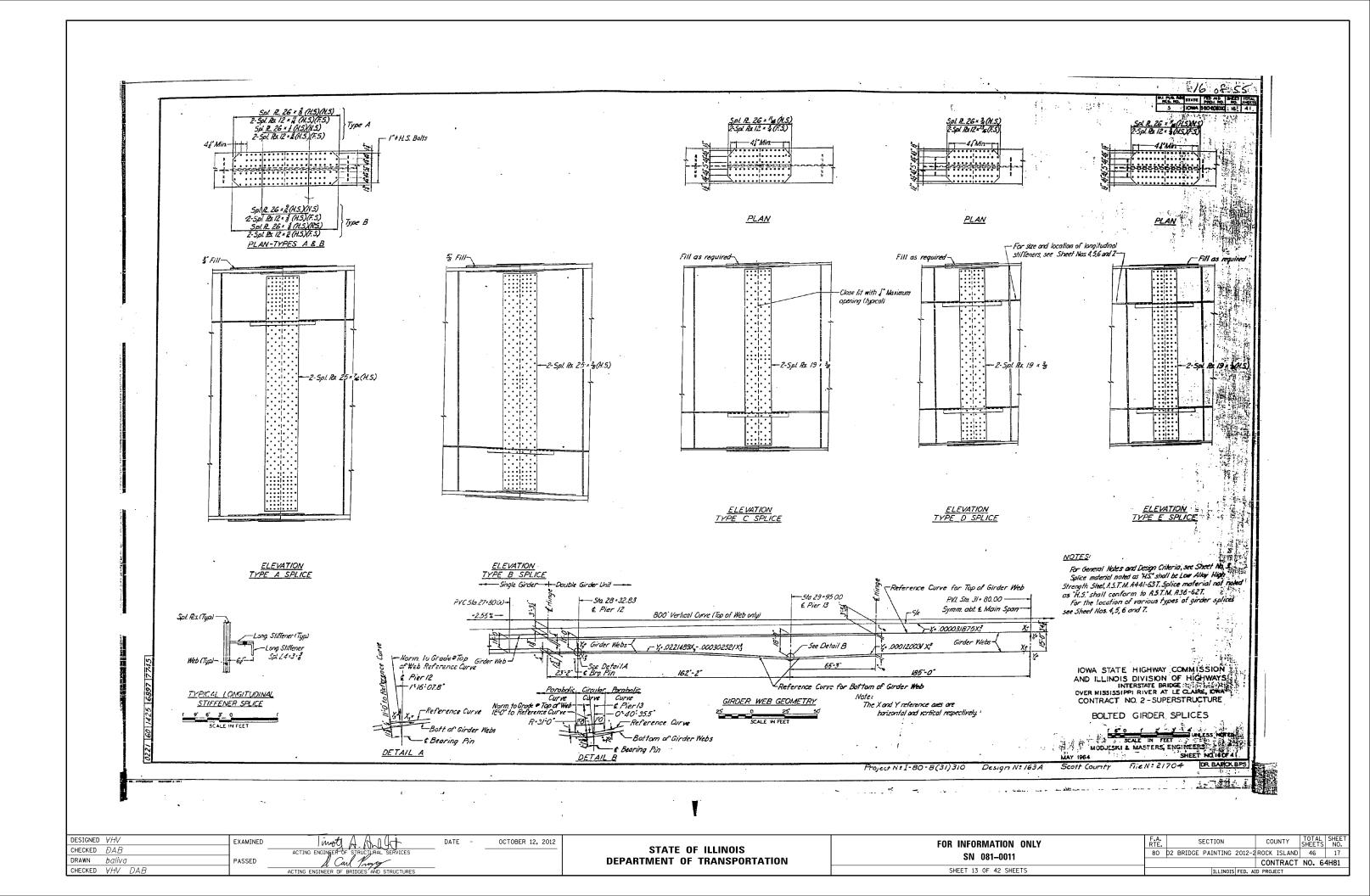
SHEET 8 OF 42 SHEETS

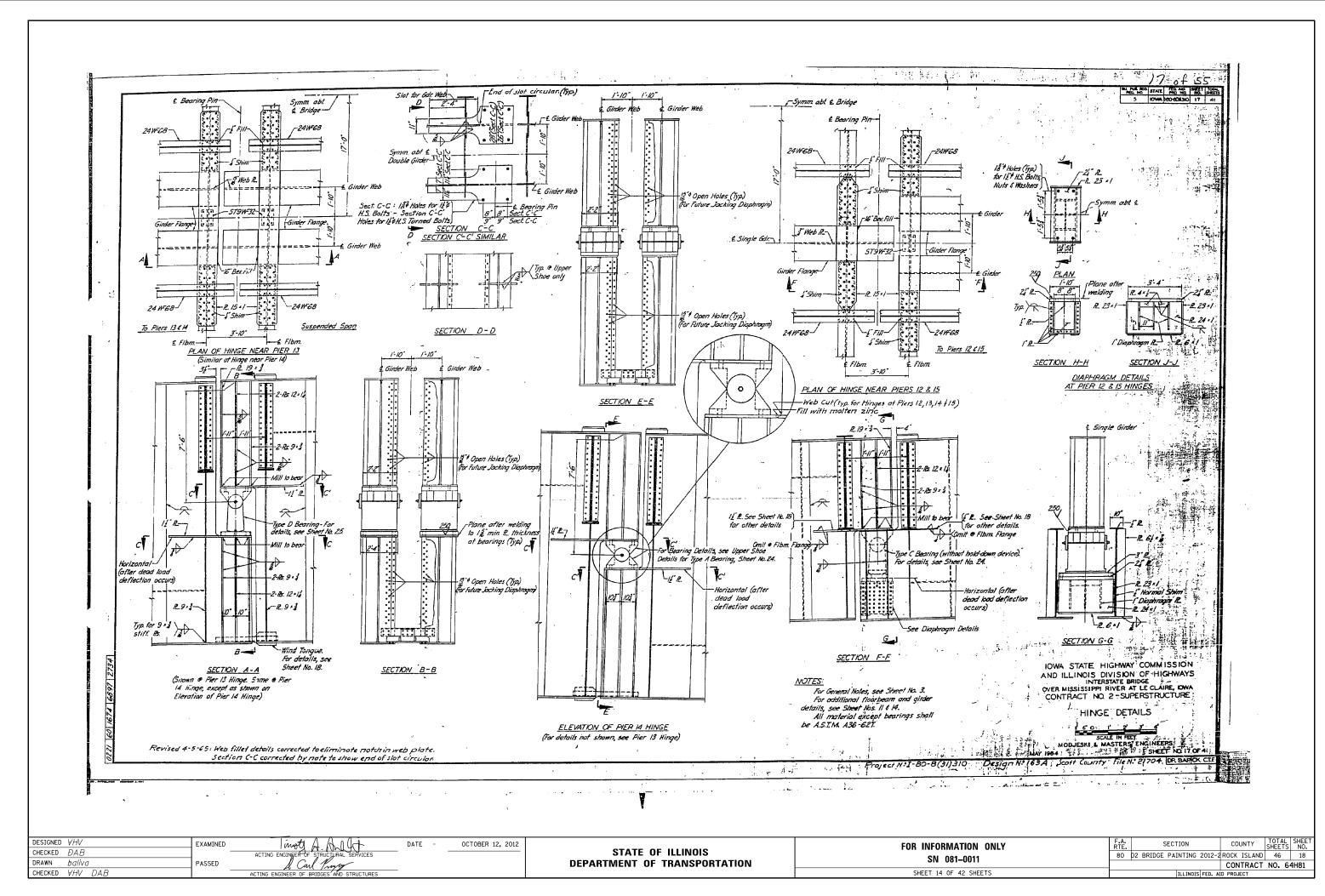


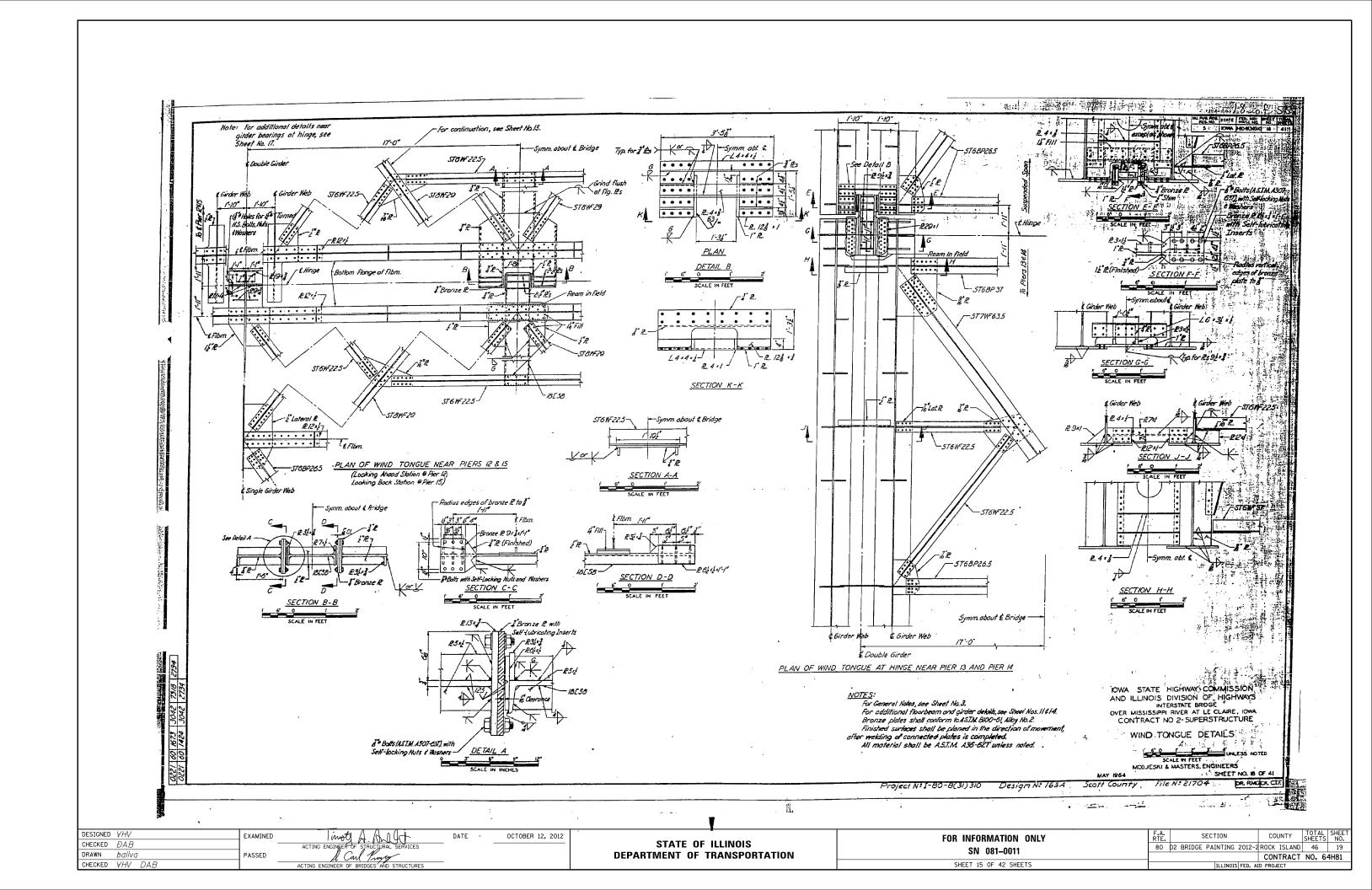


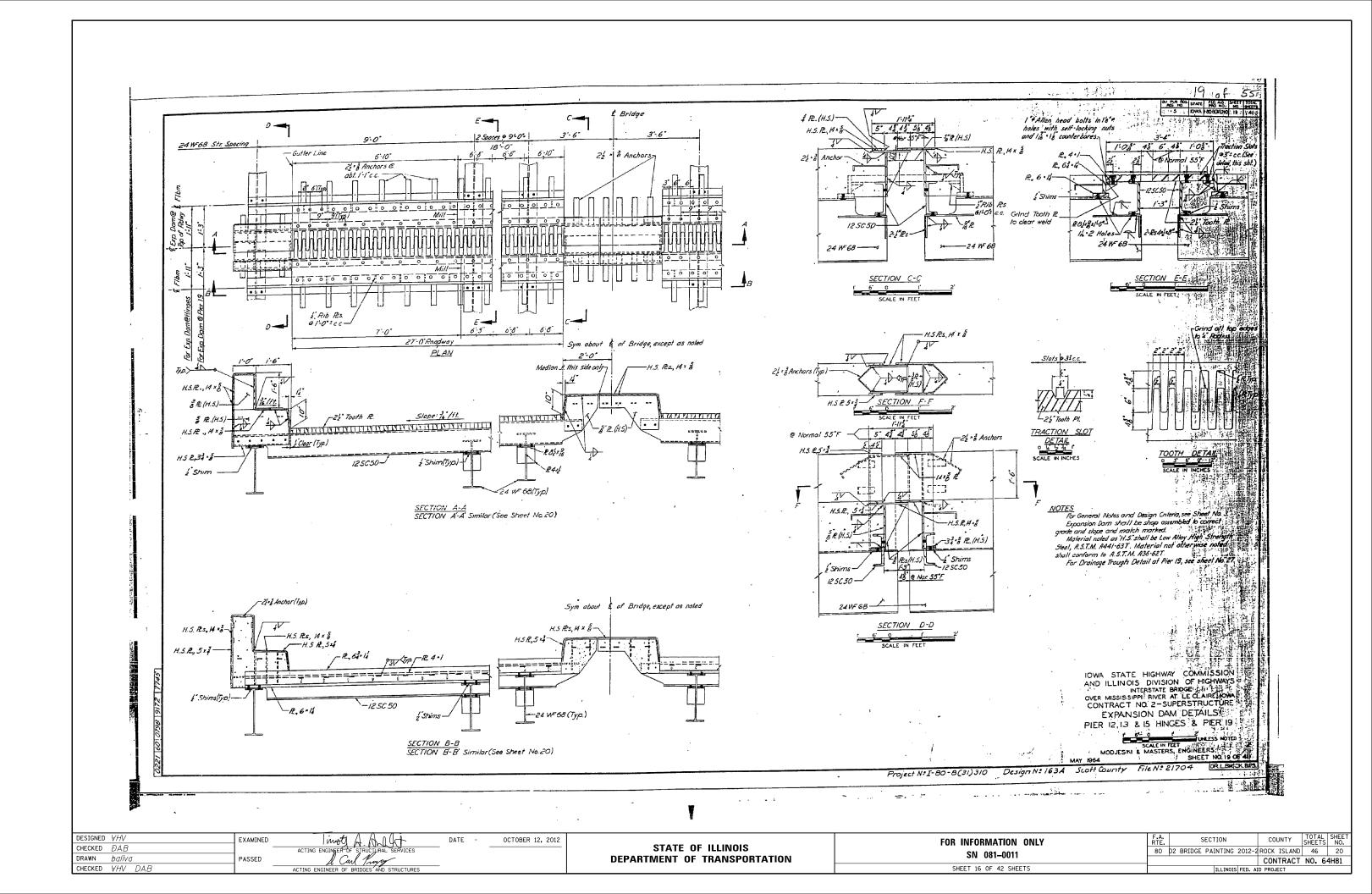


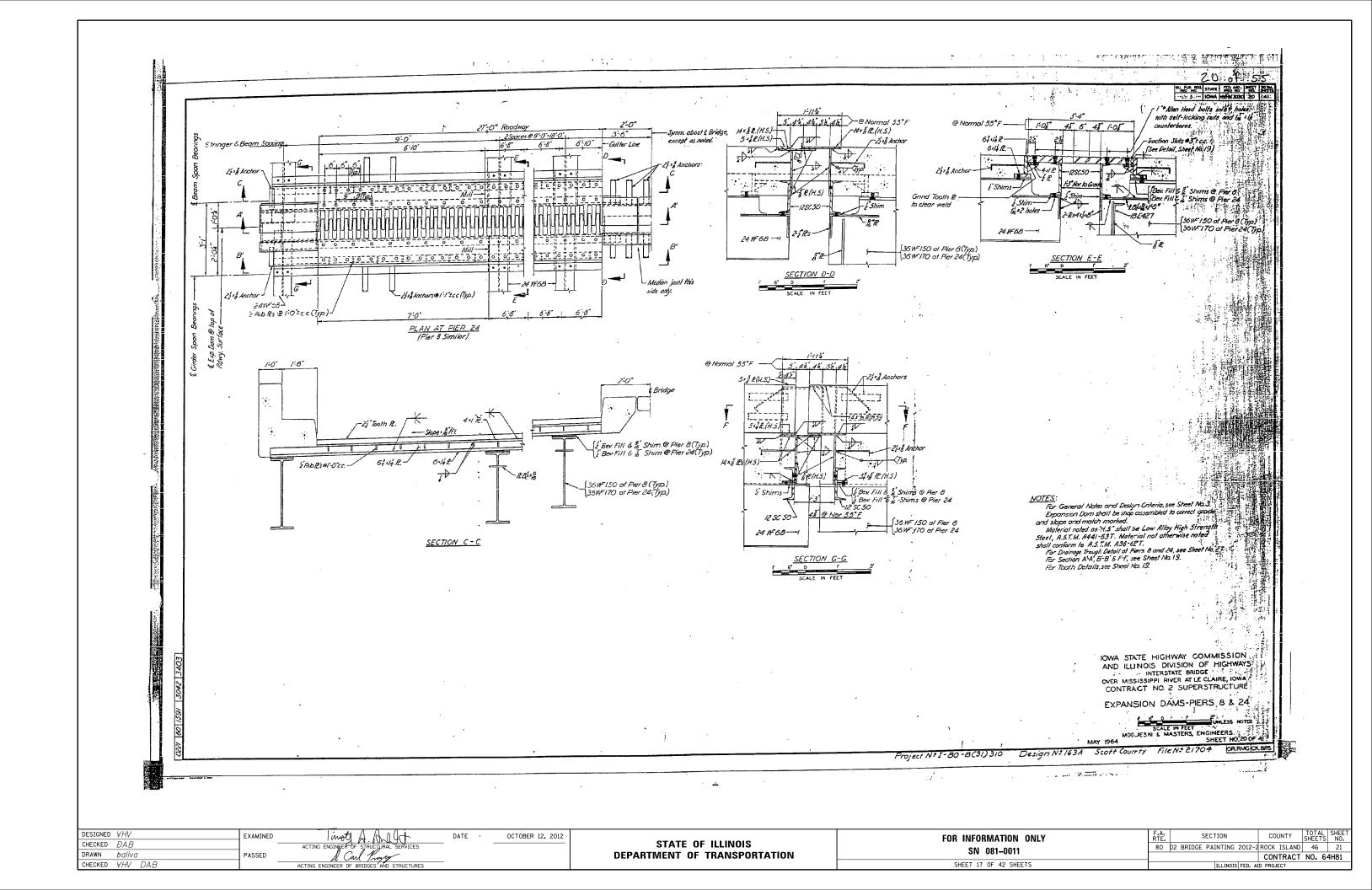


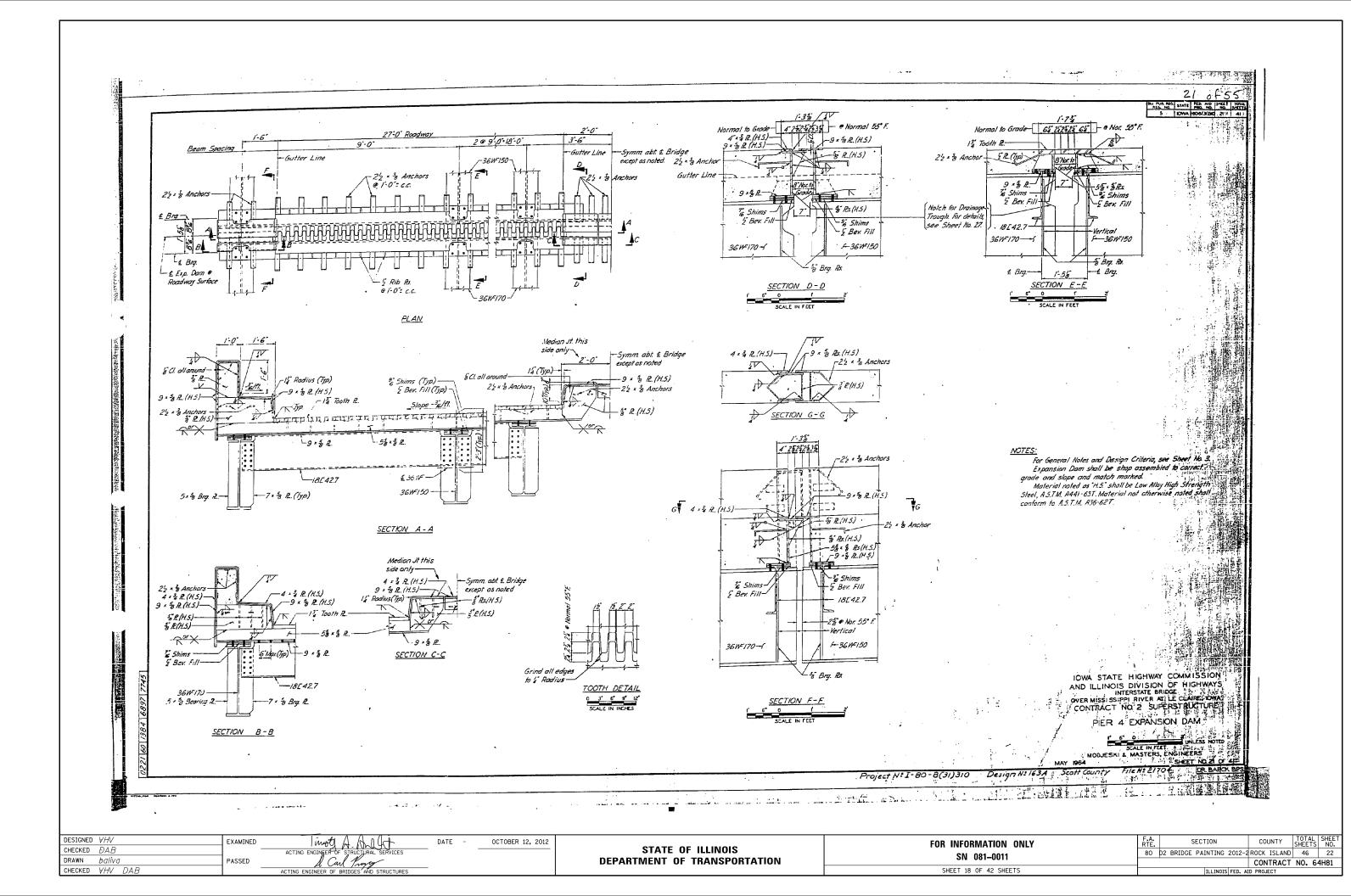


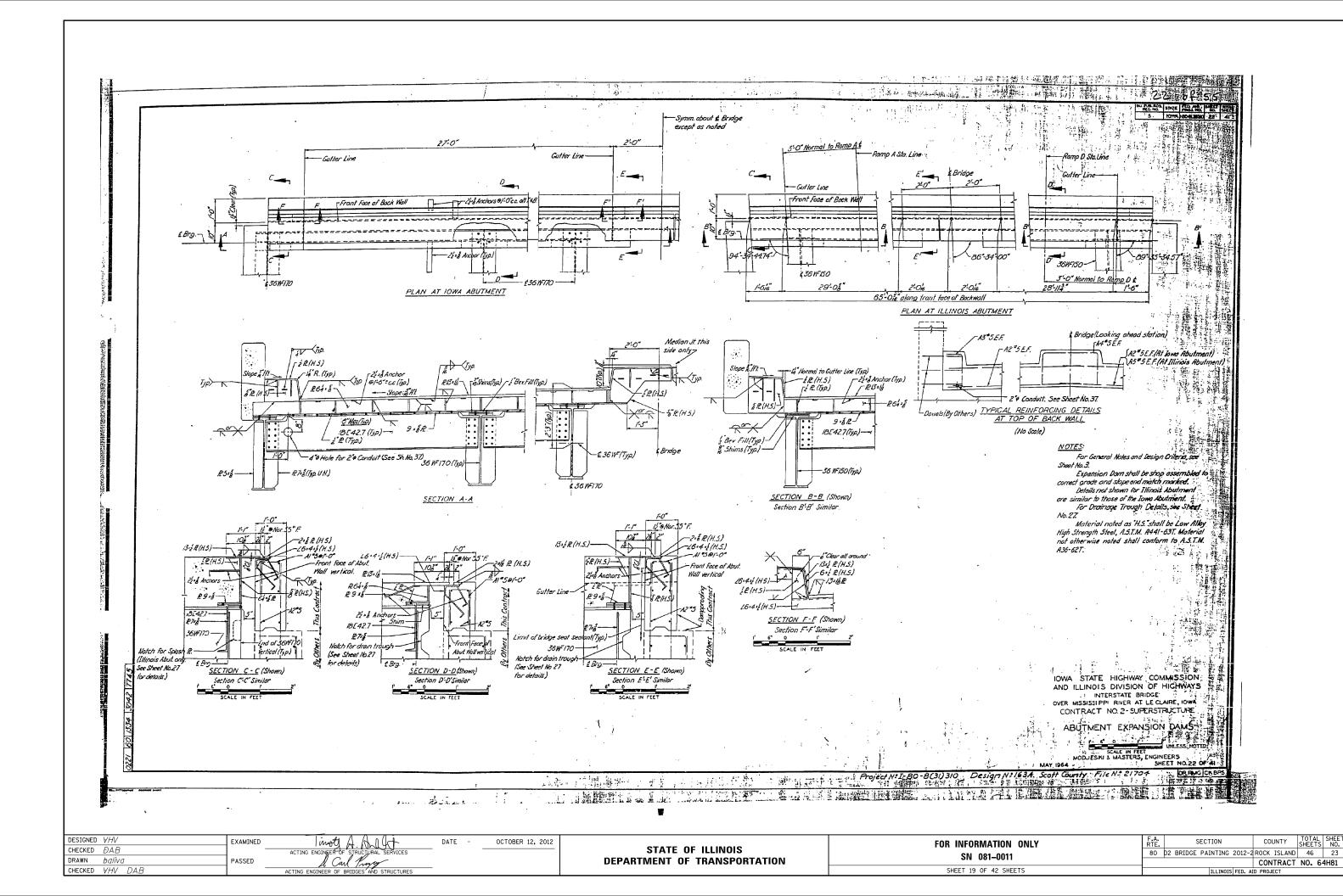


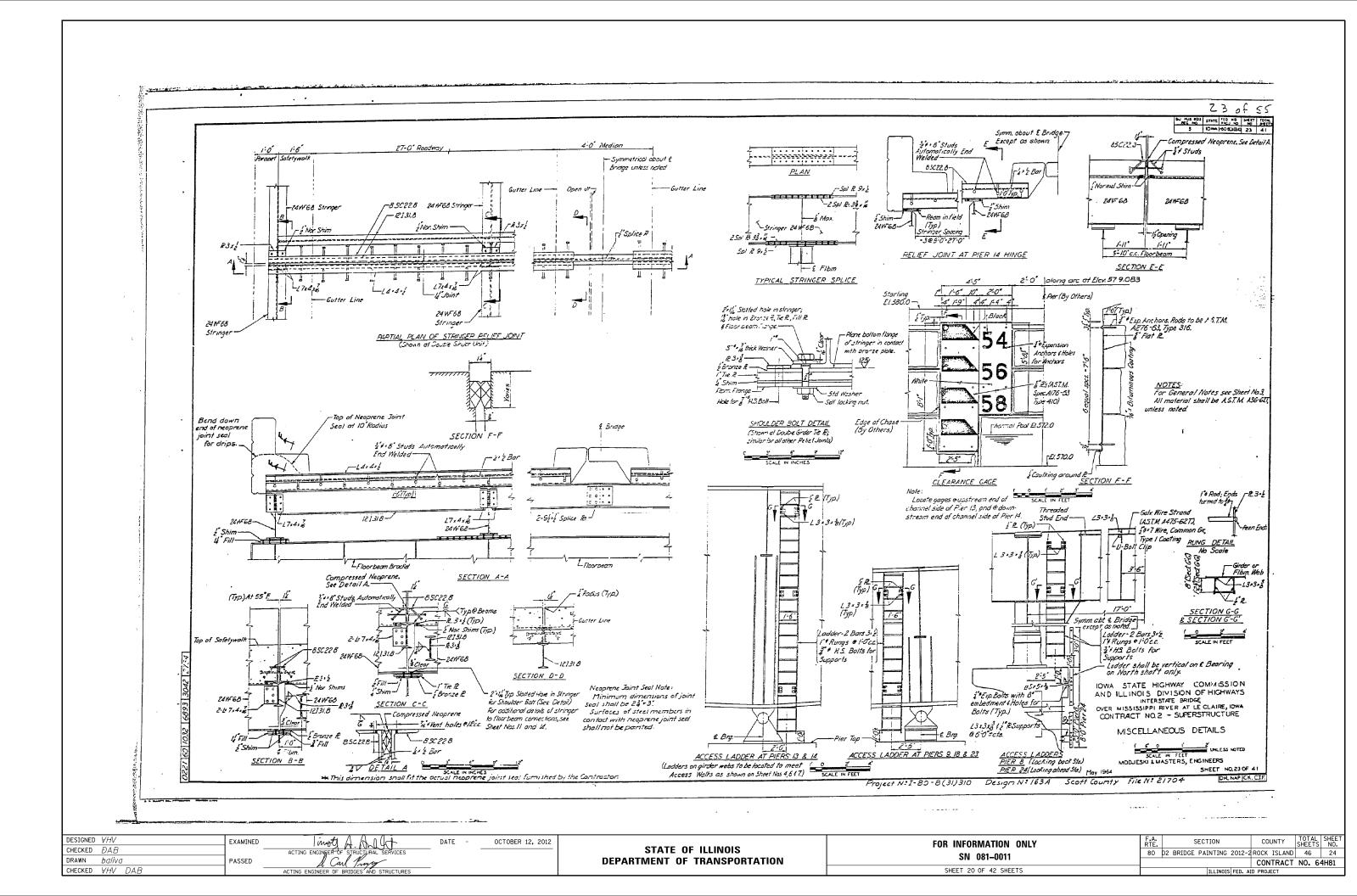


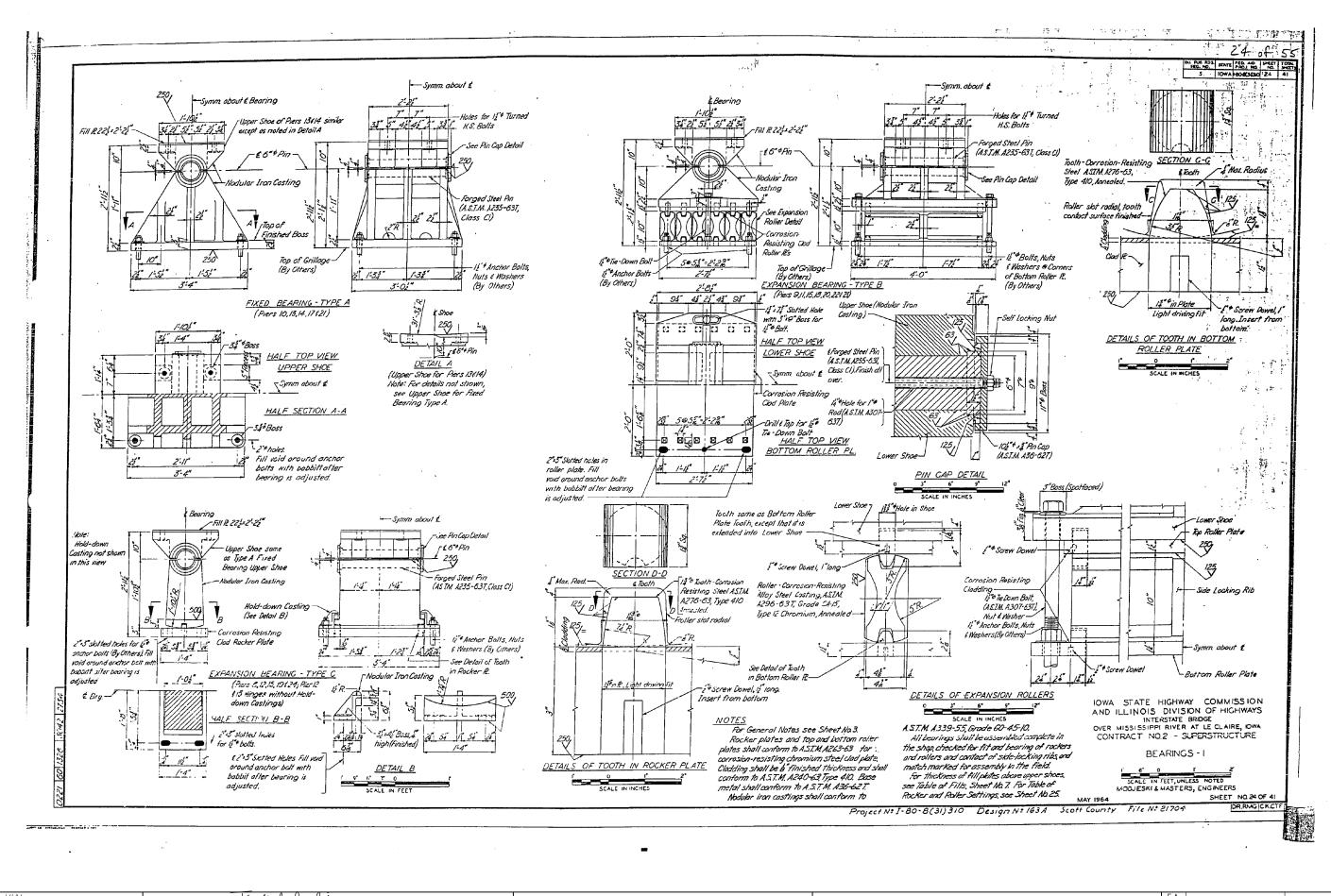




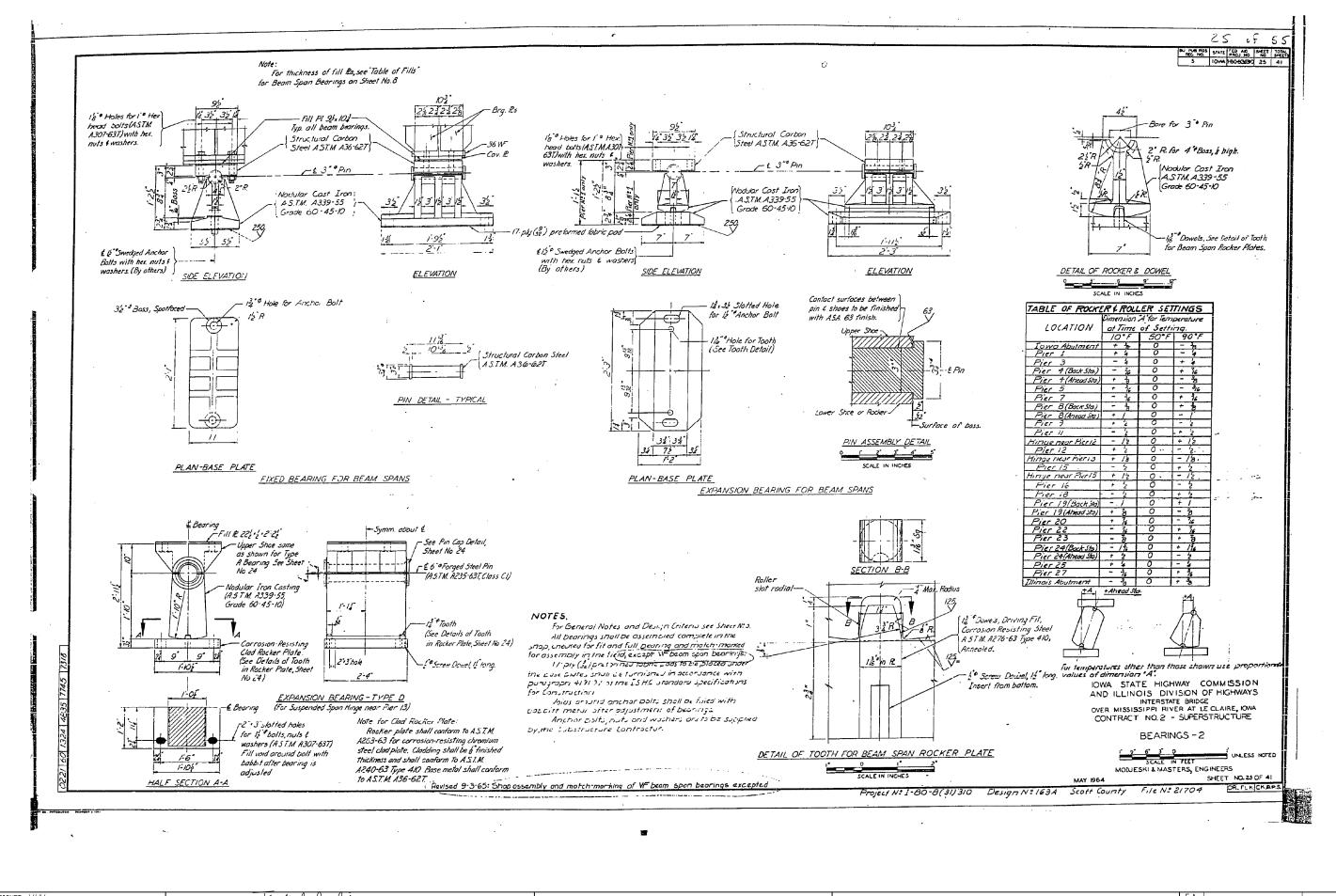




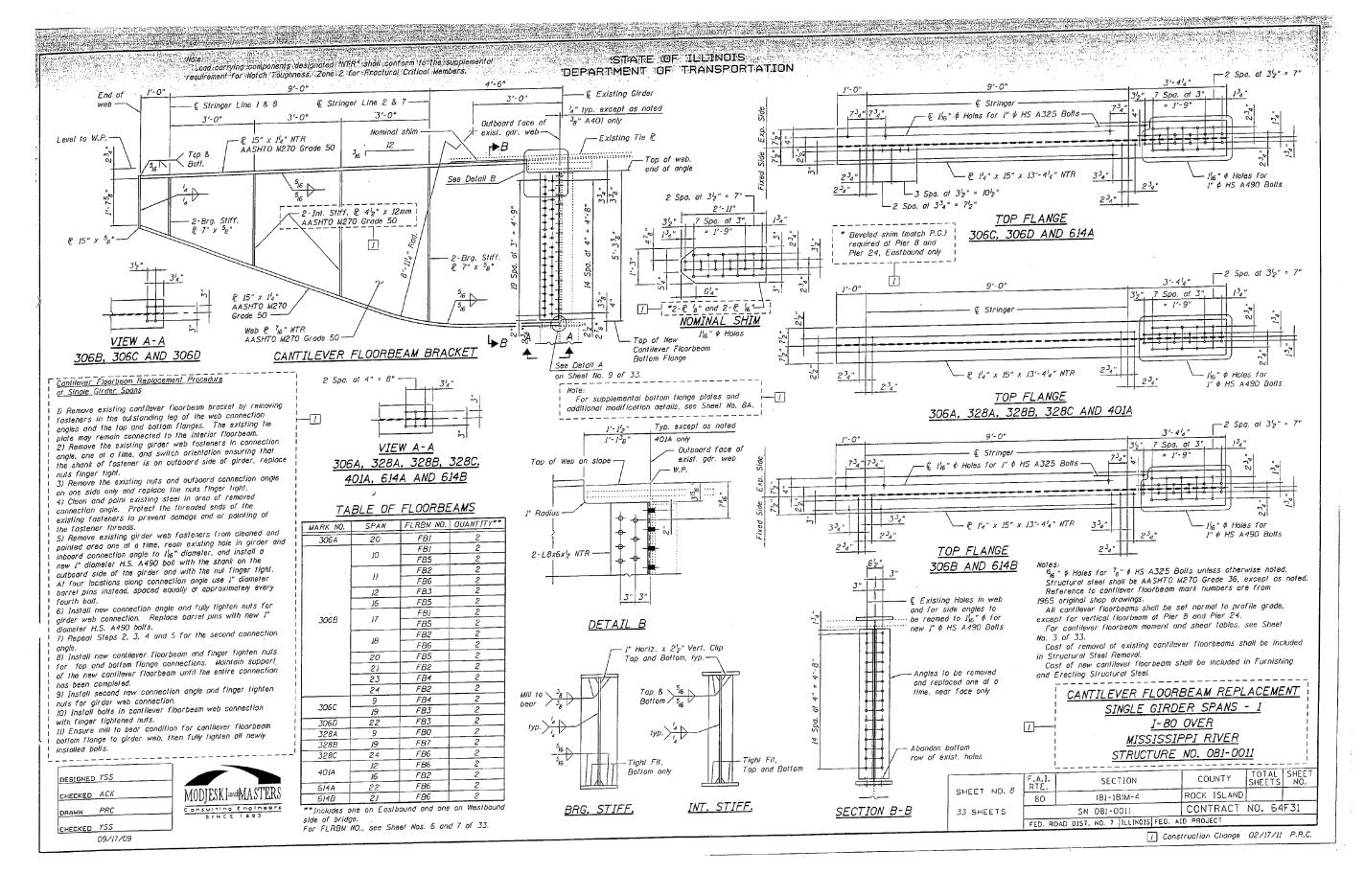




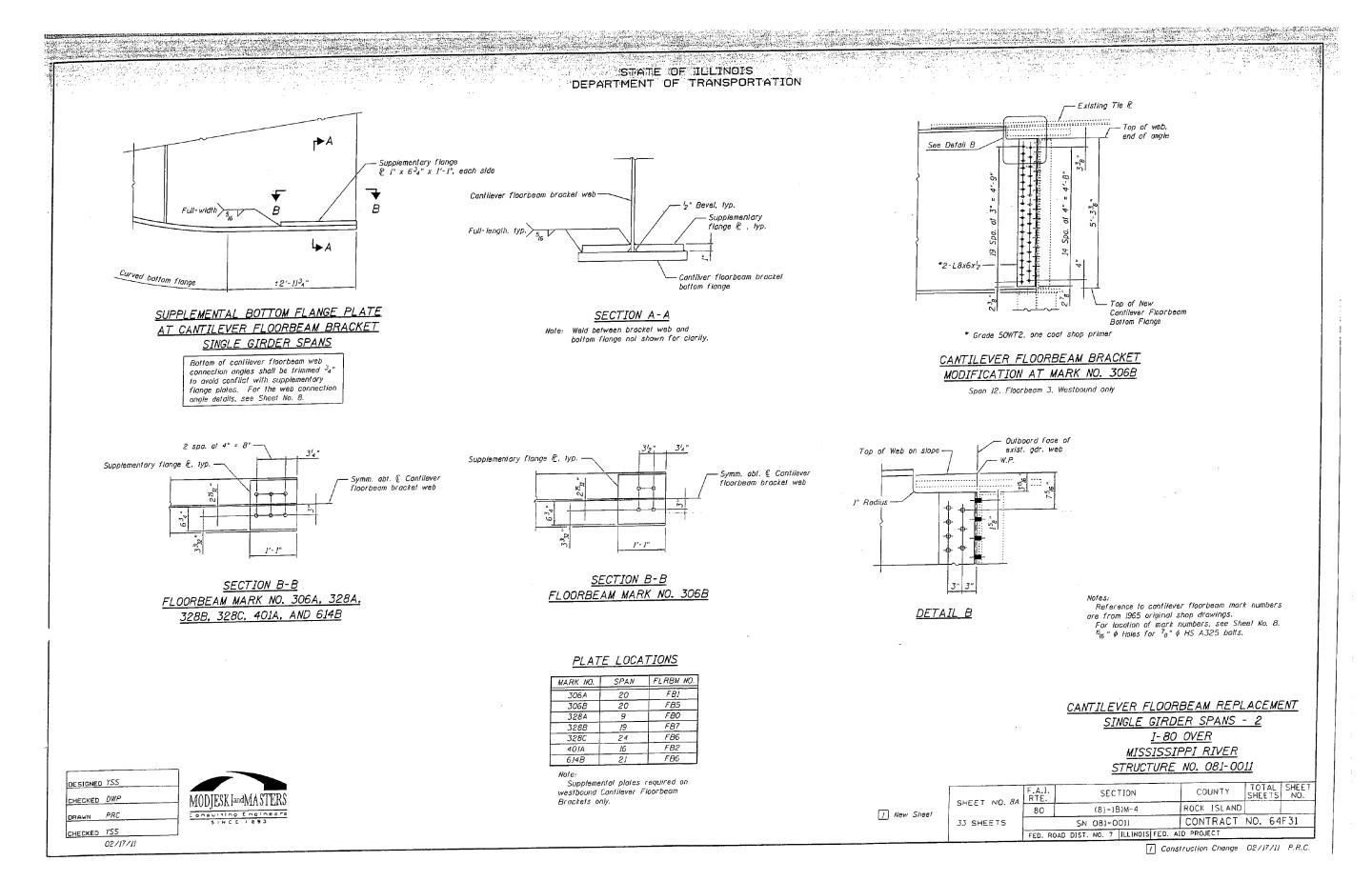
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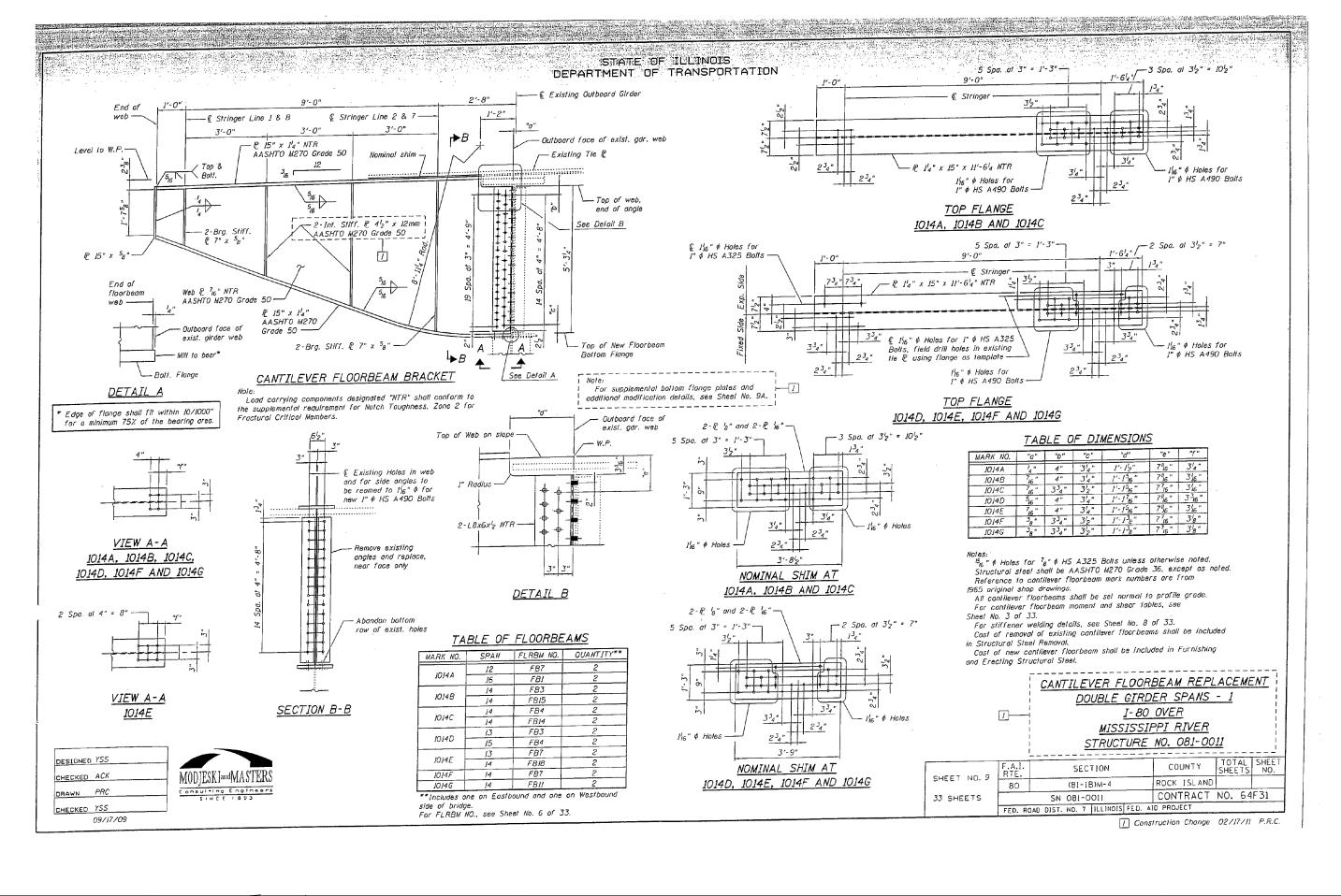
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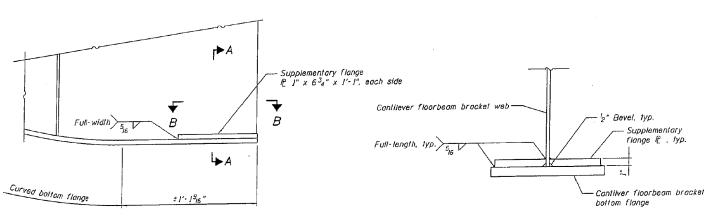


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CHECKED VHV DAB	ACTING ENGINEER OF BRIDGES AND STRUCTURES	DEPARTMENT OF TRANSPORTATION	SHEET 24 OF 42 SHEETS	CONTRACT NO. 64H81   ILLINOIS FED. AID PROJECT



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DRA	AWN baliva	PASSED	d Carl Prayey			DEPARTMENT OF TRANSPORTATION	314 001-0011			CONTRACT	NO. 64H81
CHE	ECKED <i>∀HV DAB</i>		ACTING ENGINEER OF BRIDGES'AND STRUCTURES				SHEET 25 OF 42 SHEETS		ILLINOIS FED. AI	D PROJECT	

#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

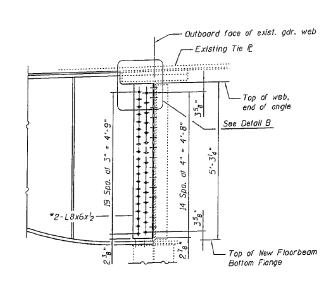


#### SUPPLEMENTAL BOTTOM FLANGE PLATE AT CANTILEVER FLOORBEAM BRACKET DOUBLE GIRDER SPANS

Bottom of cantilever floorbeam web connection angles shall be trimmed 34" to avoid conflict with supplementary flange plates. For the web connection angle details, see Sheet No. 9.

#### SECTION A-A

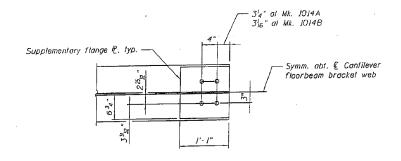
Note: Weld between bracket web and bottom flange not shown for clarity.



\* Grade 50WT2, one coat shop primer

#### CANTILEVER FLOORBEAM BRACKET MODIFICATION AT MARK NO. 1014A, 1014D AND 1014E

Mk. No. 1014A - Span 12. Floorbeam 7. Westbound only Mk. No. 1014A - Span 16. Floorbeam 1. Eastbound only Mk. No. 1014D - Span 15. Floorbeam 4. Eastbound only Mk. No. JOI4E - Span 14, Floorbeam 18, Eastbound only

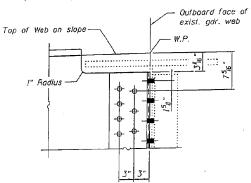


#### SECTION B-B FLOORBEAM MARK NO. 1014A AND 1014B

#### PLATE LOCATIONS

MARK NO.	SPAN	FLRBM NO.
10144	12	FB7
1014 A	16	FBI
10145	14	FB3
10148	14	FB15

Supplemental plates required on westbound Cantilever Floorbeam Brackets only.



DETAIL B

Notes:
Reference to confilever floorbeam mark numbers are from 1965 original shop drawings.
For location of mark numbers, see Sheet No. 9.
<sup>15</sup>16 \* \$\phi\$ Holes for \$7\_8 \* \phi\$ HS A325 bofts.

CANTILEVER FLOORBEAM REPLACEMENT DOUBLE GIRDER SPANS - 2 I-80 OVER MISSISSIPPI RIVER STRUCTURE NO. 081-0011

DESIGNED YSS CHECKED DWP MODJESK JandMASTERS PRC DRAWN CHECKED YSS

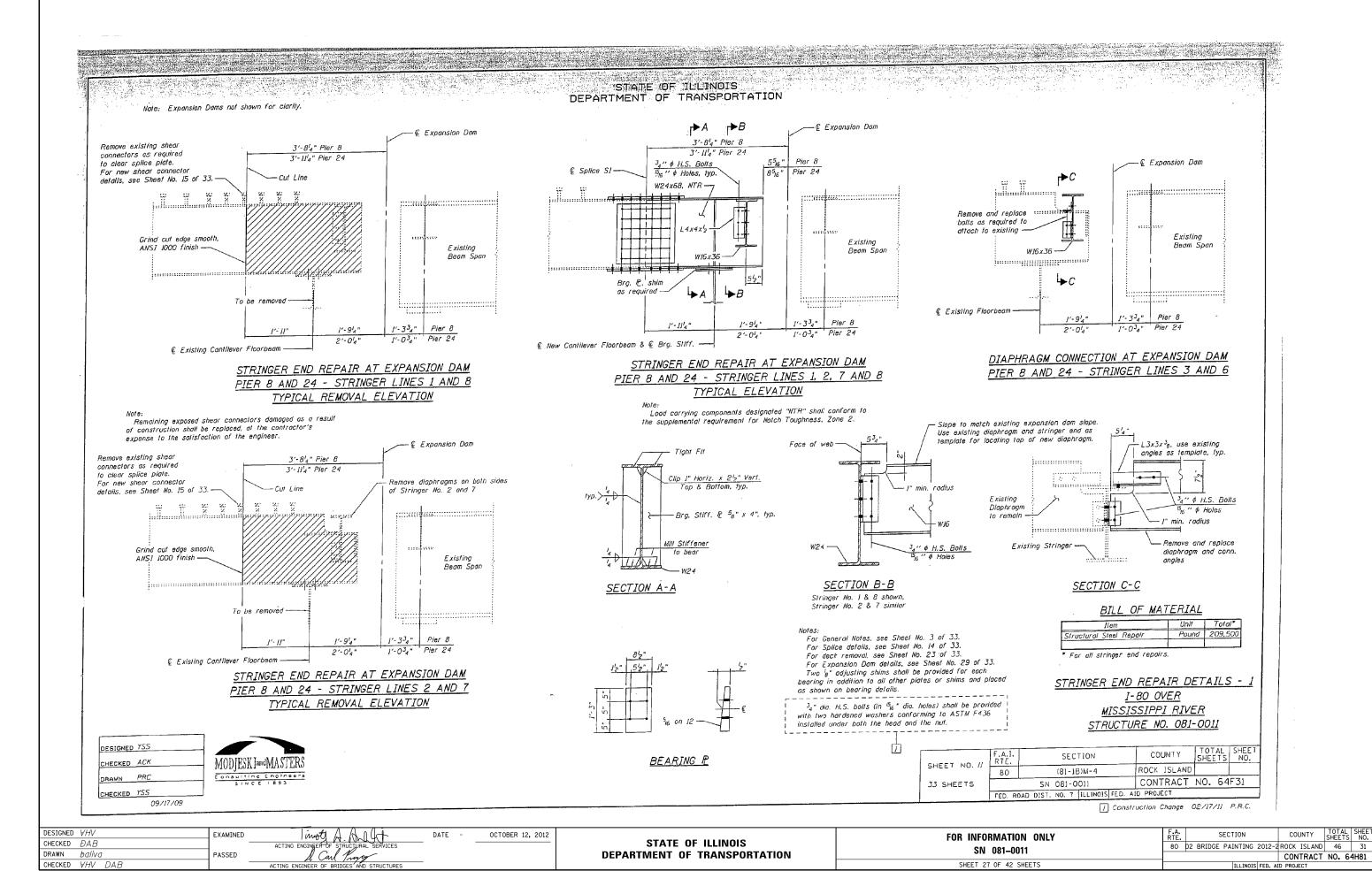
02/17/11

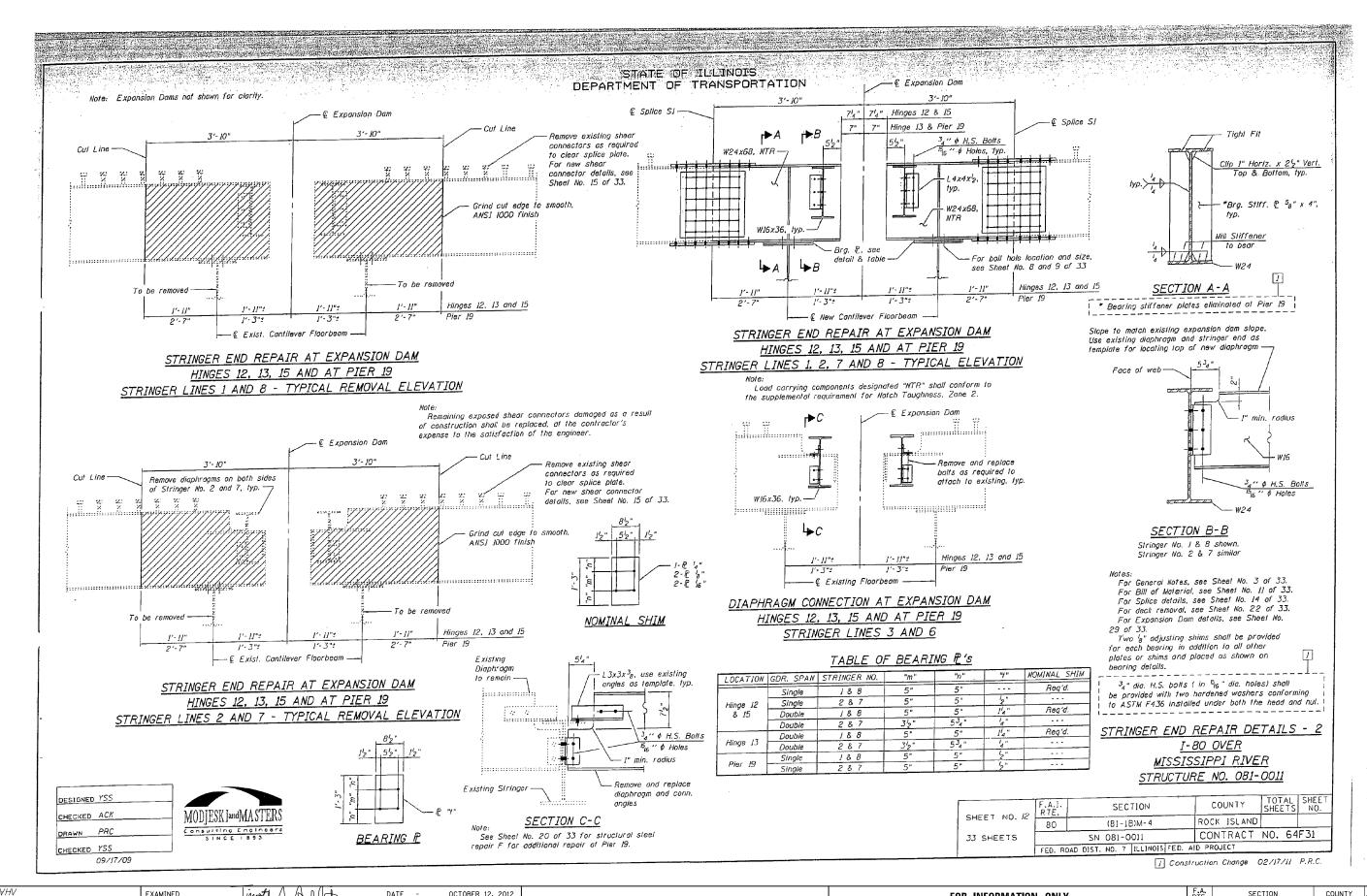
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I New Sheel	33 S⊦

- 04	F.A.J. SECTION RTE. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
SHEET NO. 9A			ROCK ISLAND				
JJ SHEETS		SN 081-0011	CONTRACT	NO. 64	F31		
	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						

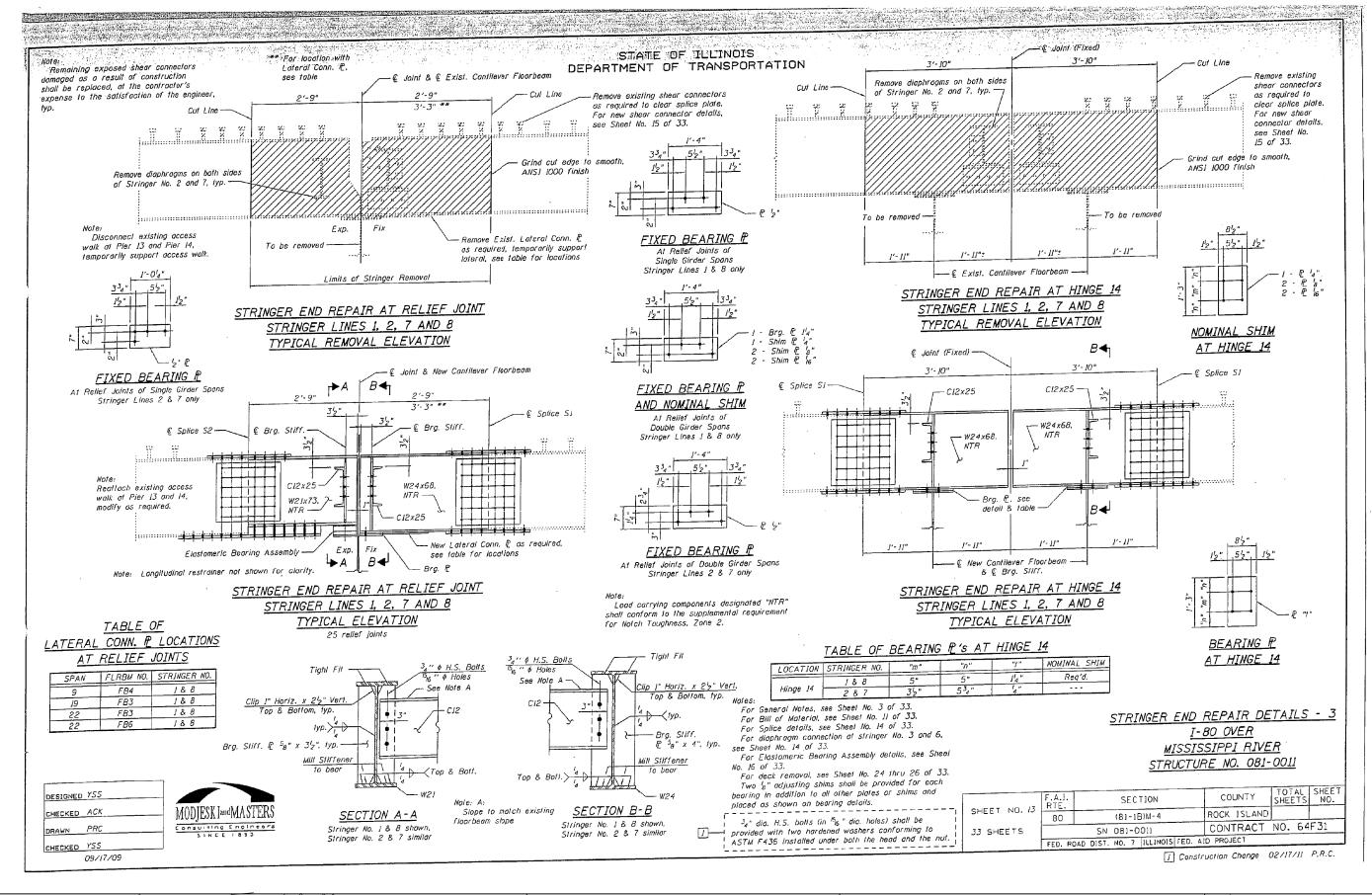
[] Construction Change 02/17/11 P.R.C.

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DRAWN baliva	PASSED	& Carl Prayey			DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 64H81
CHECKED VHV DAB	_	ACTING ENGINEER OF BRIDGES AND STRUCTURES	_			SHEET 26 OF 42 SHEETS	ILLINOIS FED. A	AID PROJECT

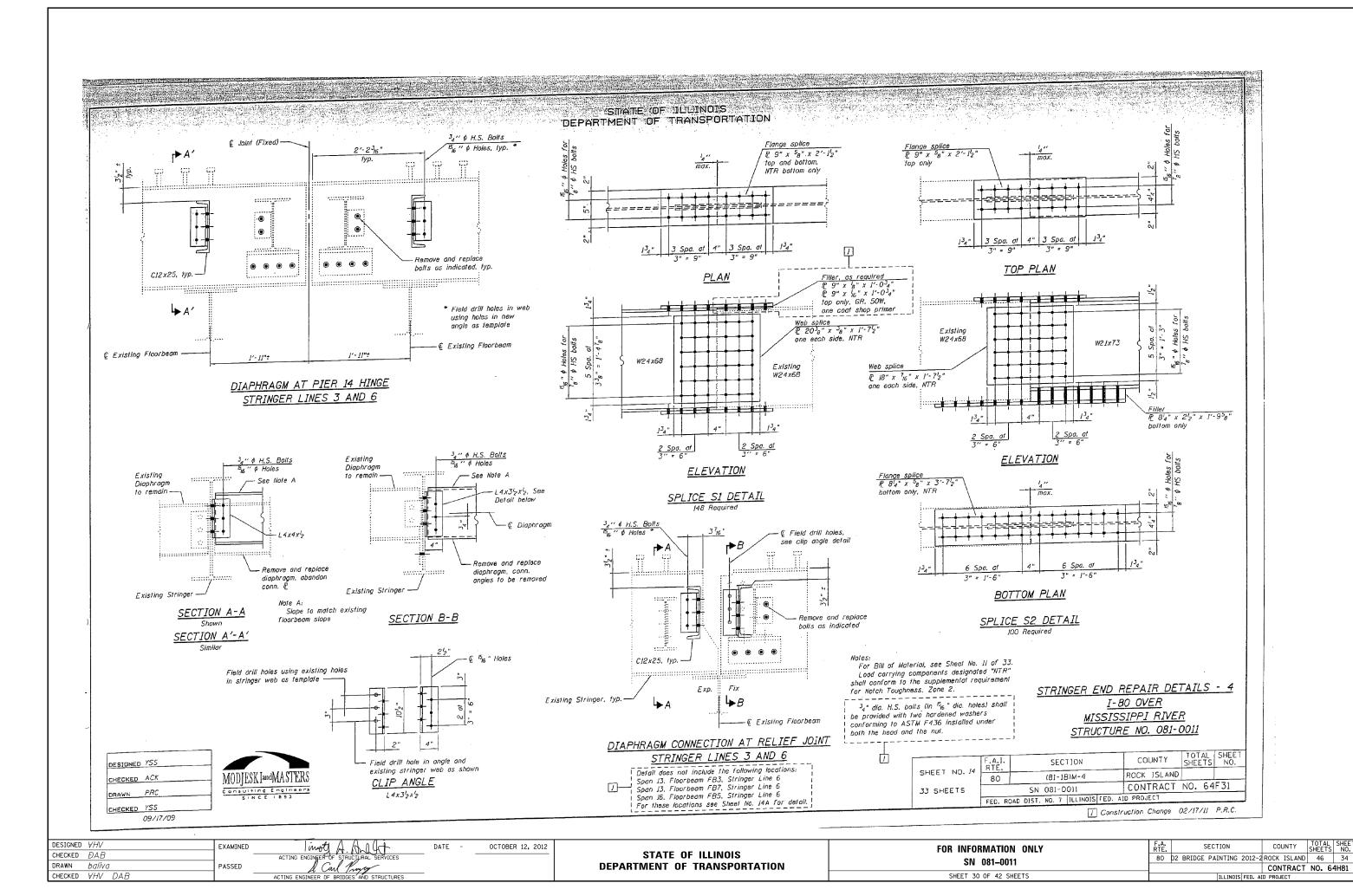


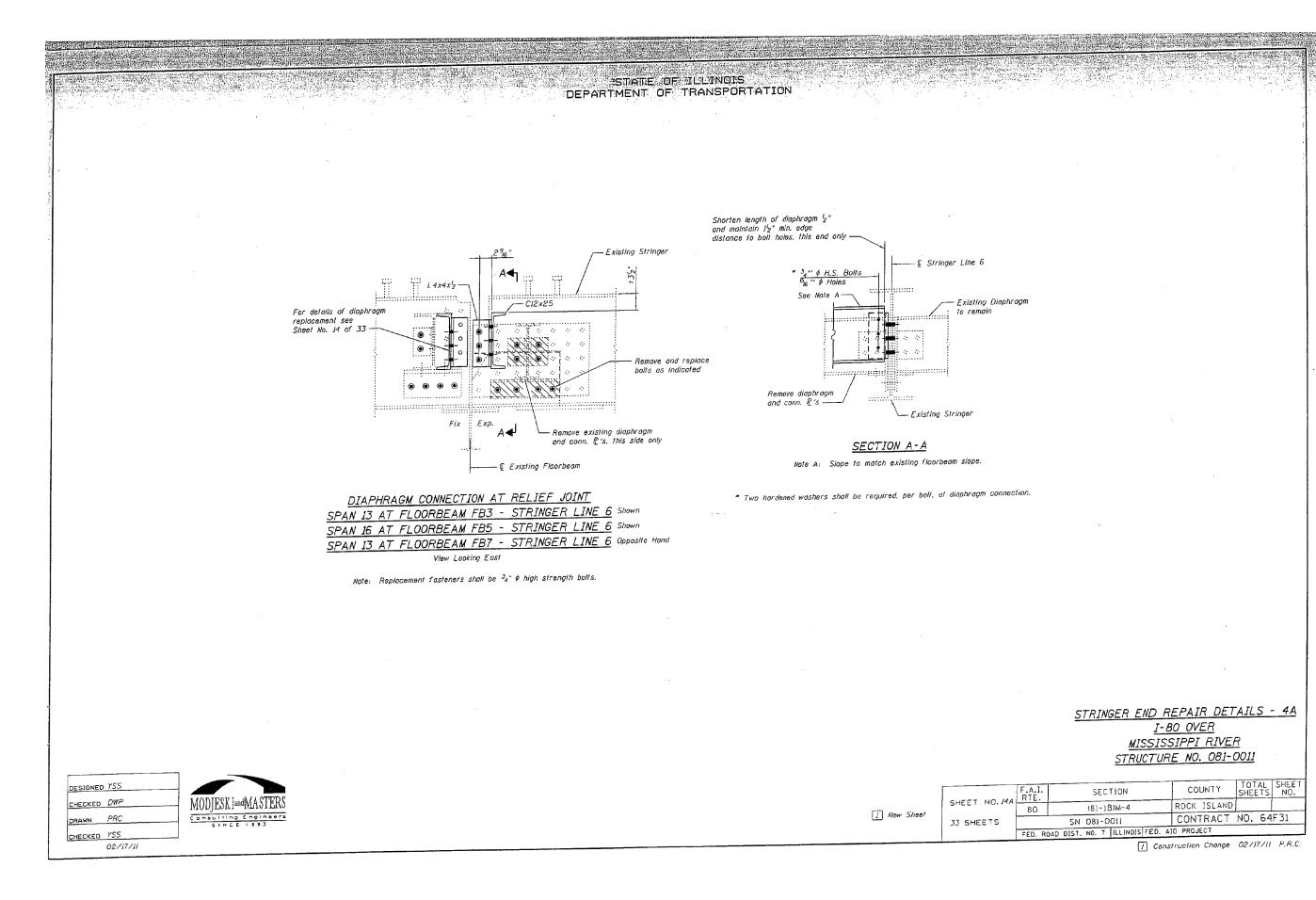


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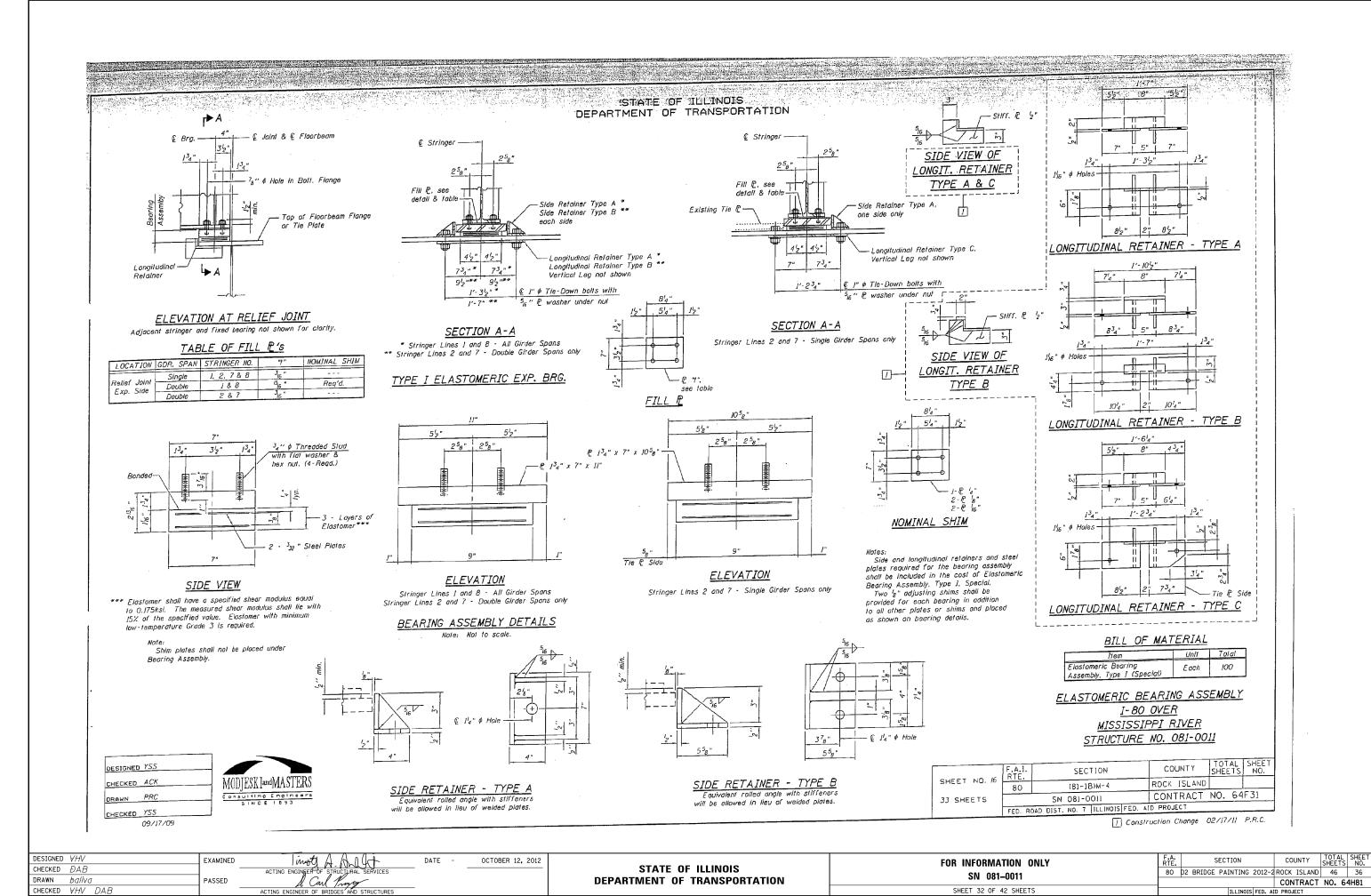


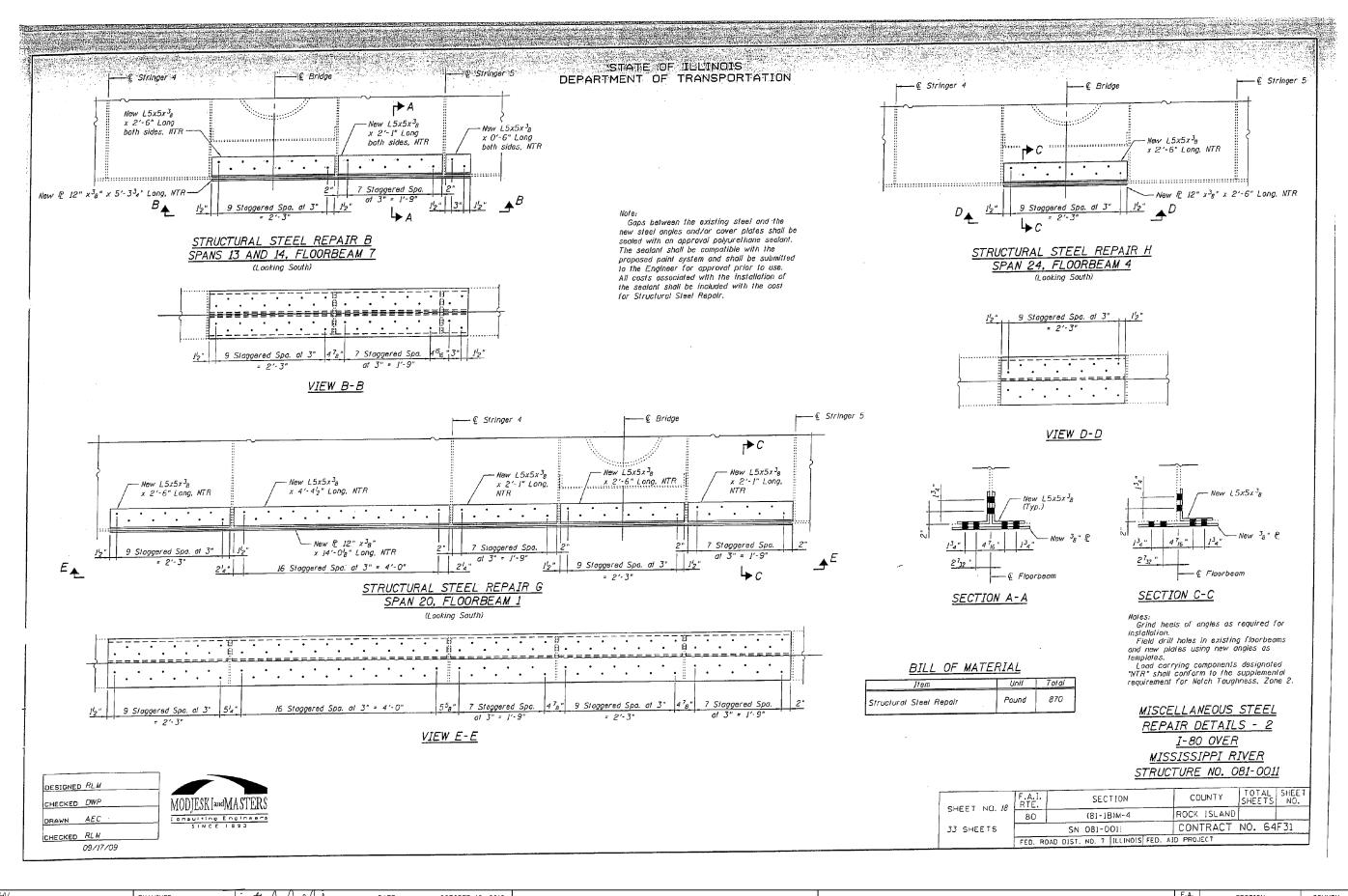
DESIGNED VHV EXAMINED mot OCTOBER 12, 2012 SECTION COUNTY FOR INFORMATION ONLY STATE OF ILLINOIS CHECKED DAB 80 D2 BRIDGE PAINTING 2012-2 ROCK ISLAND 46 33 SN 081-0011 DRAWN baliva PASSED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 64H81 SHEET 29 OF 42 SHEETS CHECKED VHV DAE



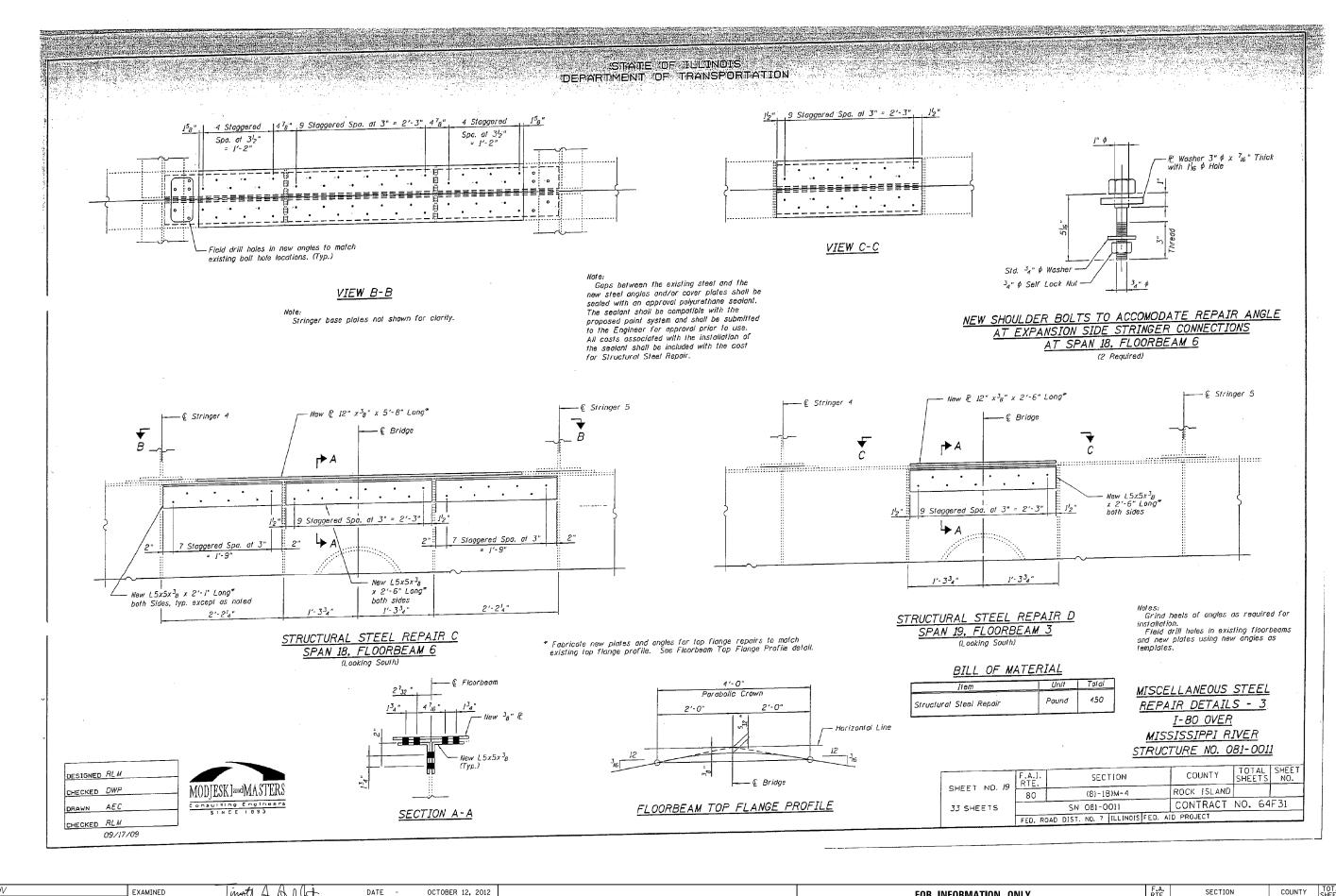


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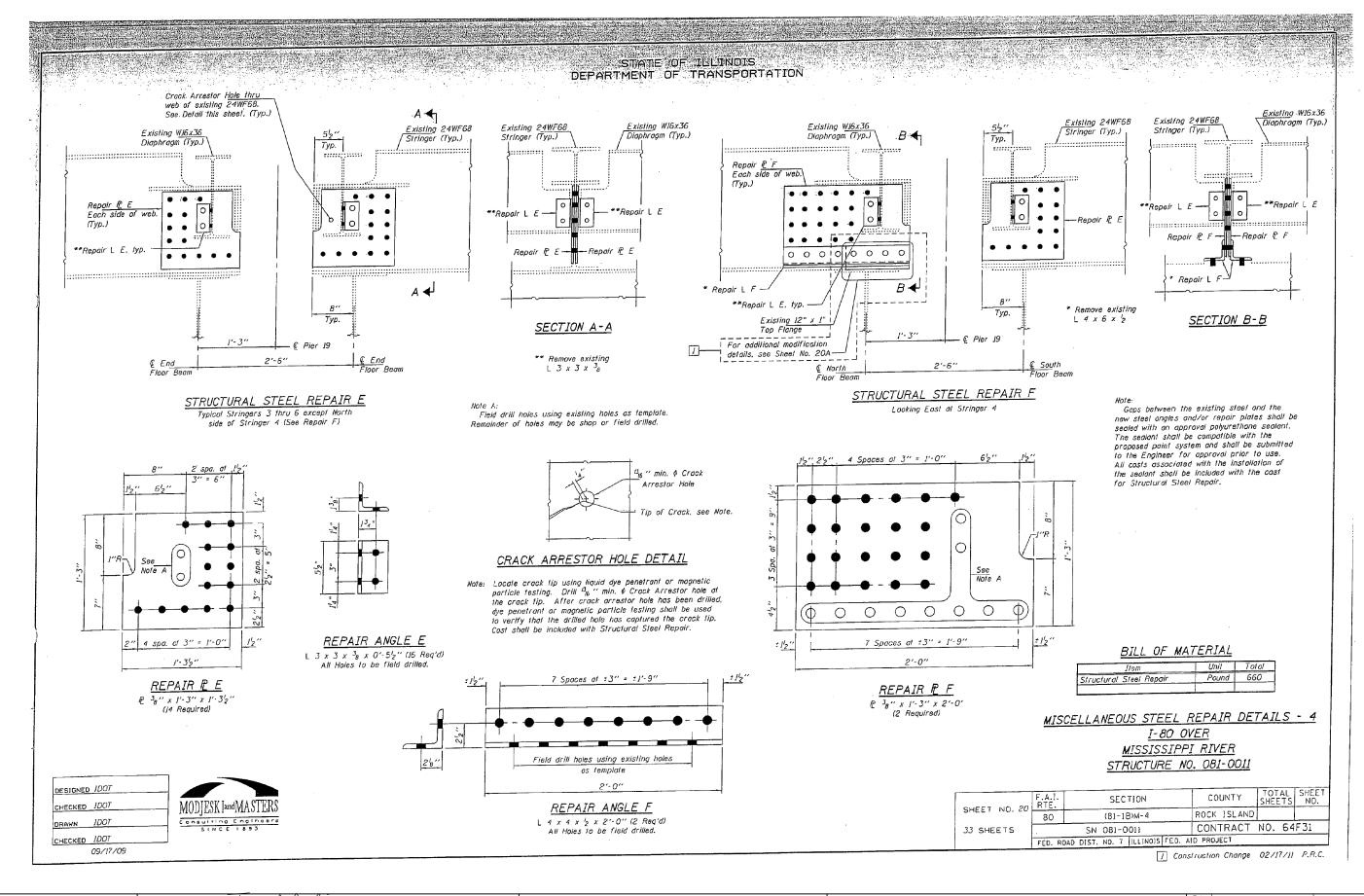




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DRAWN baliva	PASSED	A Carl Prayey			DEPARTMENT OF TRANSPORTATION			C	CONTRACT	NO. 64H	181
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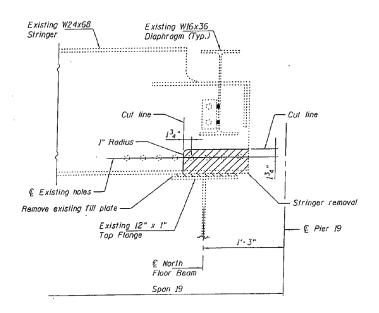


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DRAWN baliva	PASSED	A Carl Prayey			DEPARTMENT OF TRANSPORTATION		_		CONTRAC	T NO. 6	4H81
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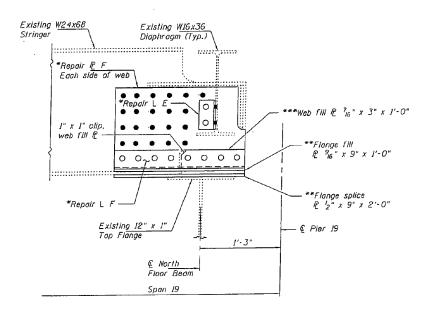
#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



STRUCTURAL STEEL REPAIR F MODIFICATION

STRINGER REMOVAL

Looking East at Stringer 4



## STRUCTURAL STEEL REPAIR F MODIFICATION ADDITIONAL FILL AND SPLICE PLATES

Looking East at Stringer 4

- \* For repair angle and plate details, see Sheel No. 20. All field drilled holes shall be done prior to stringer removal.
- \*\* Field drill holes using Repair Angle F as template.
- \*\*\* Field drill holes using Repair Plate F as template.

MISCELLANEOUS STEEL REPAIR DETAILS - 4A

I-80 OVER

MISSISSIPPI RIVER

STRUCTURE NO. 081-0011

I New Sheet

SHEET NO. 204

33 SHEETS

SHEET NO. 204

F.A.I. SECTION COUNTY TOTAL SHEET NO. 204

80 (81-18)M-4 ROCK ISLAND

SN 081-0011 CONTRACT NO. 64F31

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

Construction Change 02/17/11 P.R.C.

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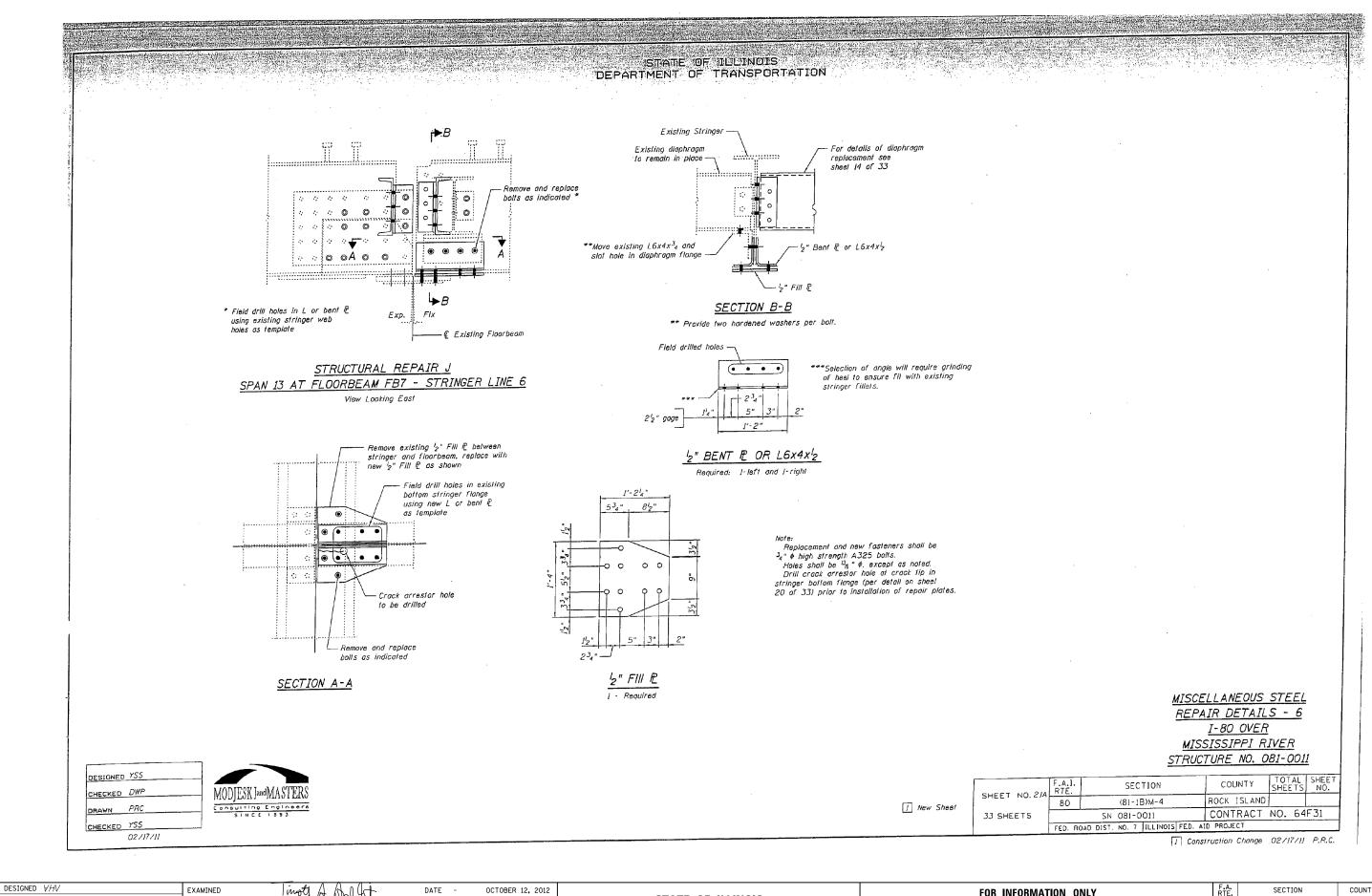
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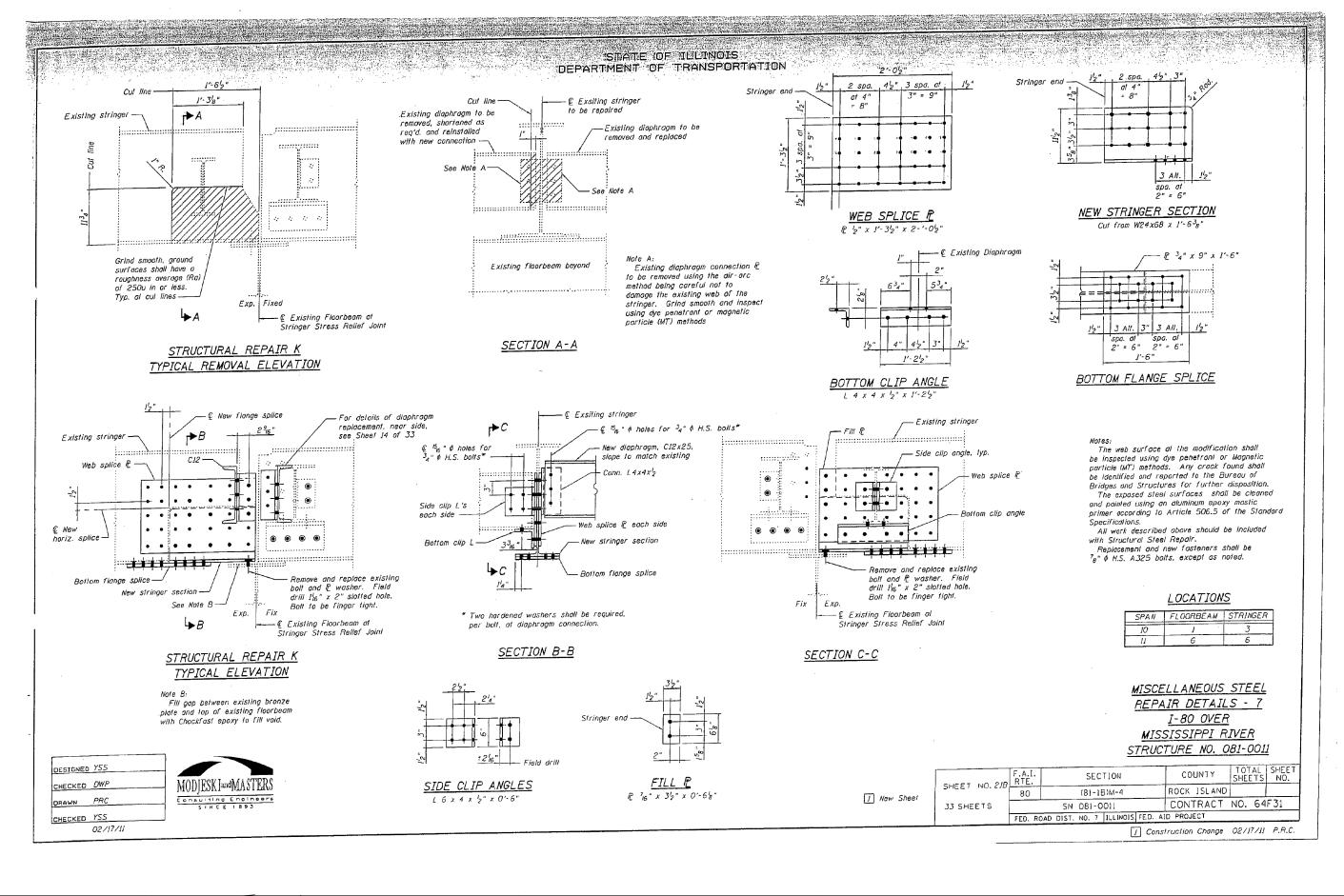
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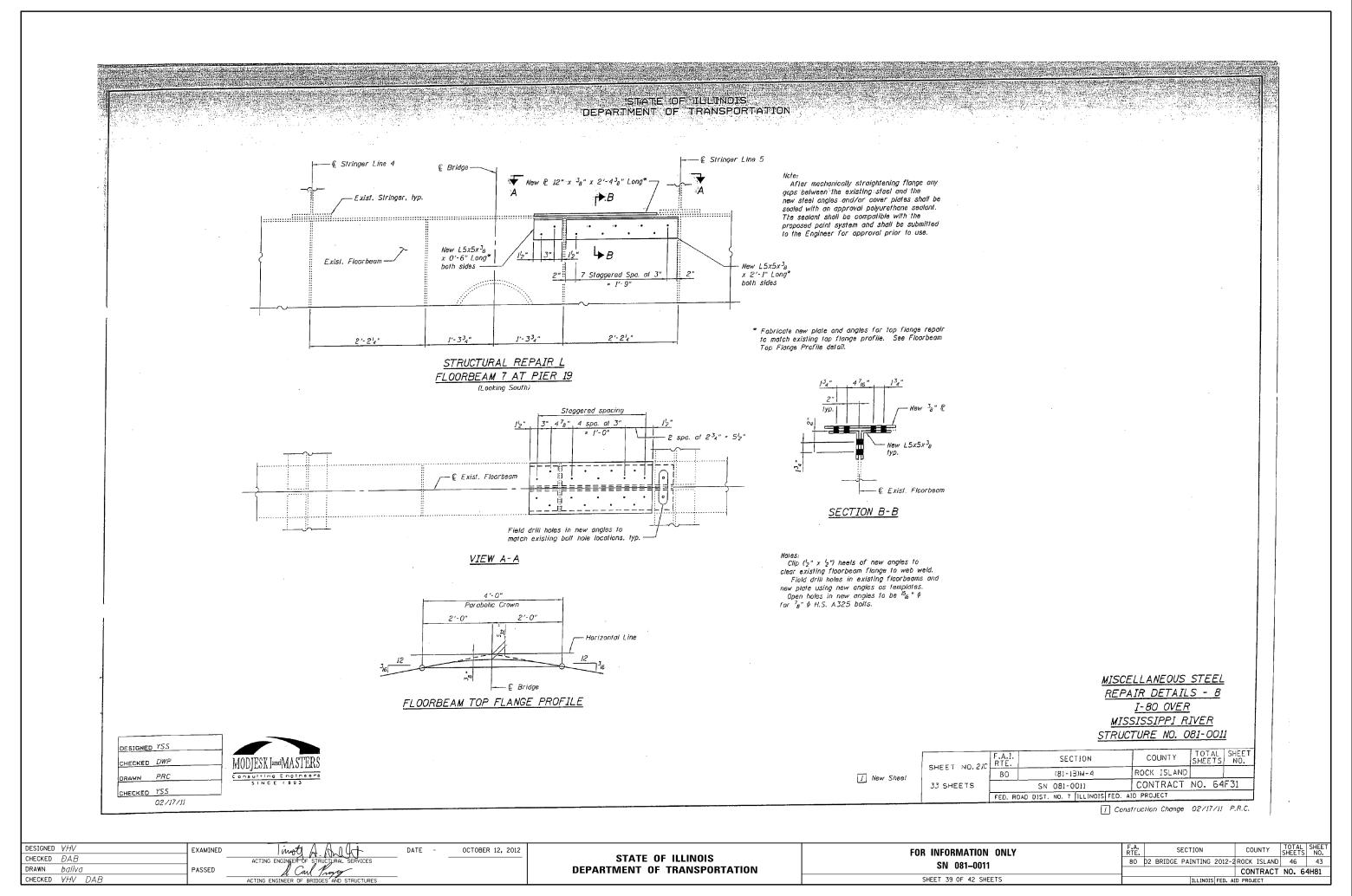
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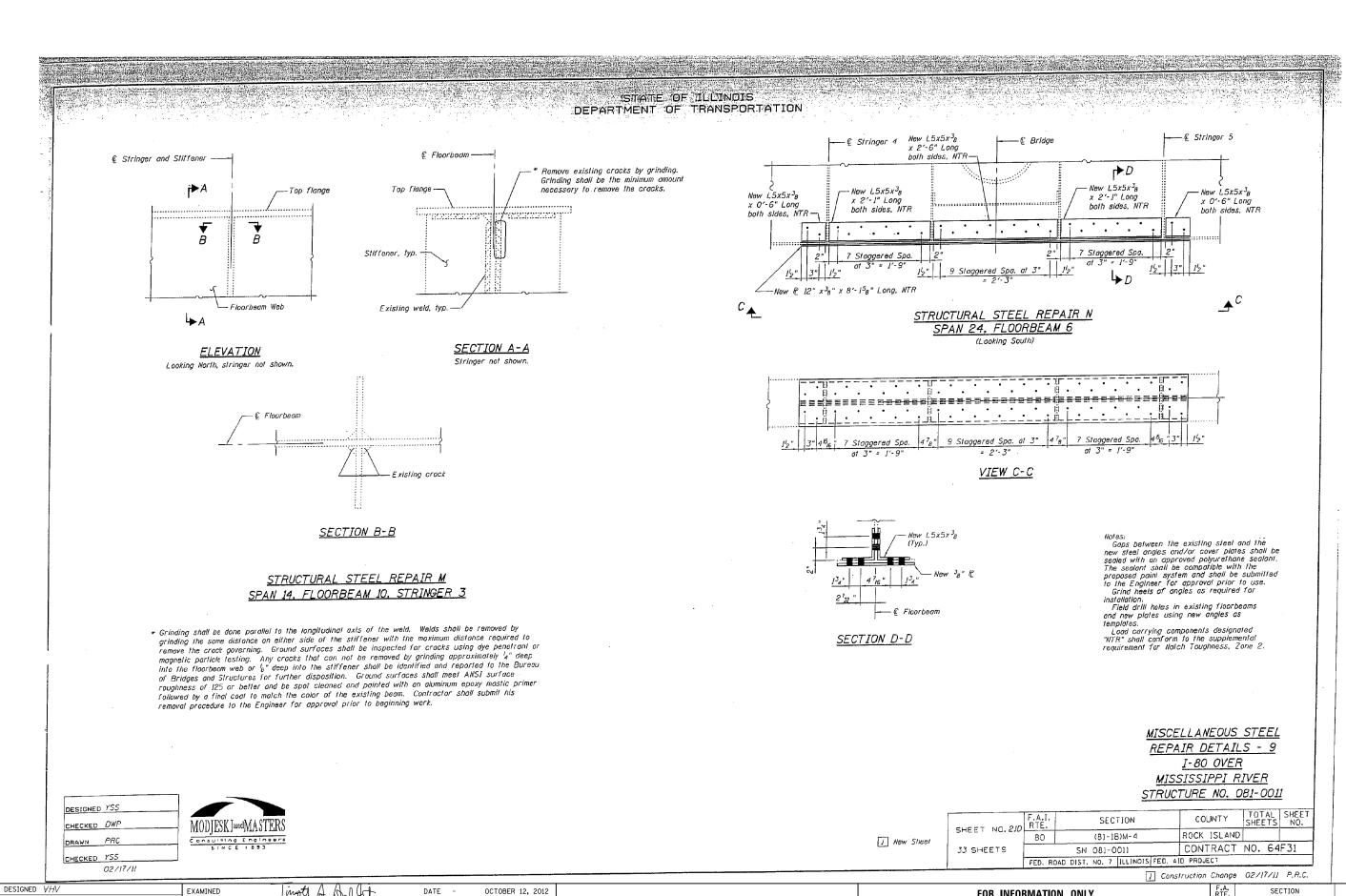
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	DRAWN baliva	PASSED	S. Carl Provey		DEPARTMENT OF TRANSPORTATION	314 001-0011	<u>'</u>	CONTRACT NO. 64
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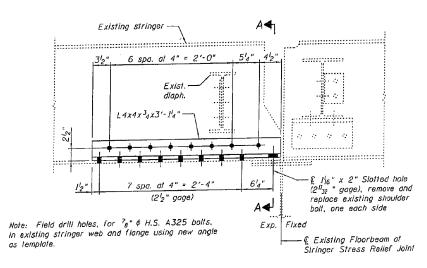
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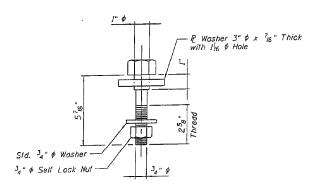
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FOR INFORMATION ONLY
SN 081-0011
SHEET 40 OF 42 SHEETS

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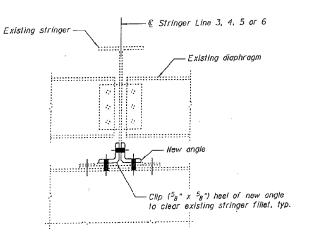


#### STRUCTURAL STEEL REPAIR O STRINGER STRENGTHENING AT RELIEF JOINT



#### SHOULDER BOLT DETAIL

Note: Install shoulder bolts with  ${\it '16}$ " gap between boll head and plate washer.



#### SECTION A-A

#### STRENGTHENING LOCATIONS

SPAN	FLOORBEAM	STRINGER
11	6	4
13	3	4
14	11	6
]4	18	6
15	4	3
17	1	3
17	1	6

Notes: Open holes in new angle to be  $^{15}$ 6" diameter, unless noted atherwise. Threads for new  $^{7}$ 8"  $\phi$  H.S. A325 bolts shall be excluded from the shear plane.

MISCELLANEOUS STEEL
REPAIR DETAILS - 10

I-80 OVER
MISSISSIPPI RIVER
STRUCTURE NO. 081-0011

New Sheet

0.0	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
SHEET NO. 21E	80	(81-1B)M-4	ROCK ISLAND		
33 SHEETS		SN 081-0011	CONTRACT	NO. 64	F31
	FED. RO	DAD DIST. NO. 7   ILLINDIS FED. A	ID PROJECT		

Construction Change 02/17/11 P.R.C.

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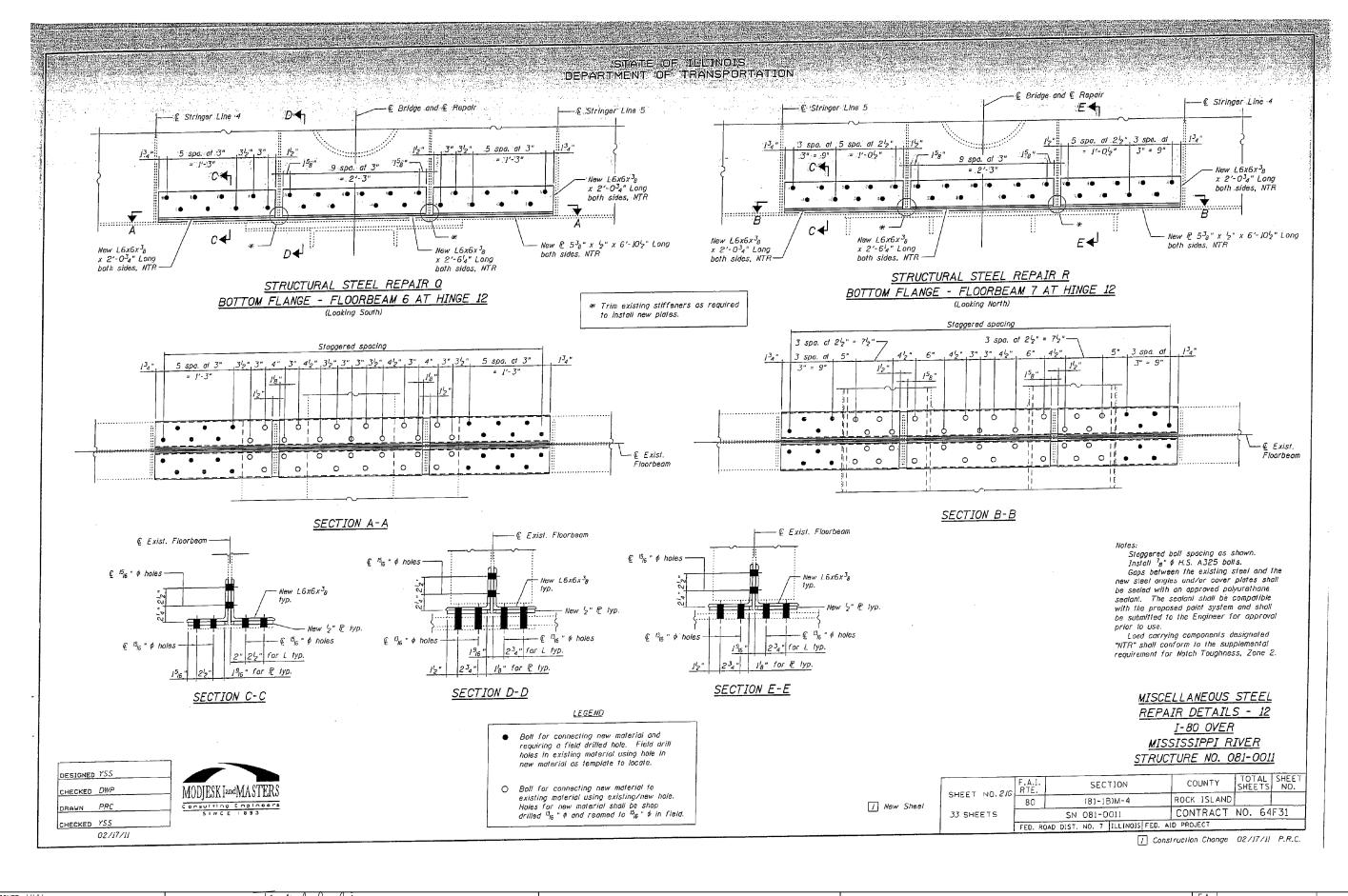
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SN 081-0011	80	D2 BRIDGE	PAINTING	2012-2	ROCK	ISLAND	46	45
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SHEET 41 OF 42 SHEETS			ILLINOIS	FED. A	ID PROJ	ECT		



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DRAWN baliva	PASSED _	A Carl Prayry	-		DEPARTMENT OF TRANSPORTATION	SHEFT 42 OF 42 SHEFTS	<u> </u>	TILL THOSE FED. 43	CONTRACT	T NO. 64	₹H81
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