

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(11BR)BP	SCHUYLER	7	1
		ILLINOIS	CONTRACT NO. 72620	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

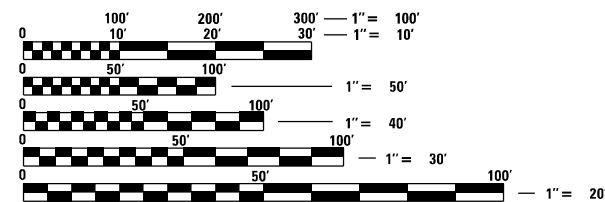
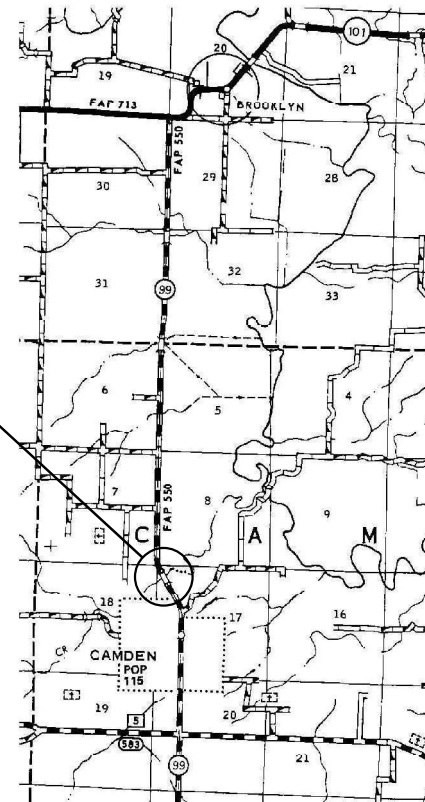
# PROPOSED HIGHWAY PLANS

FAP ROUTE 550 (IL 99)  
SECTION (11BR)BP  
PROJECT STP-8ARH(170)  
BRIDGE PAINTING  
SCHUYLER COUNTY

C-96-029-24



PROJECT LOCATION  
SN 085-0029  
IL 99 OVER CEDAR CREEK  
0.65 MI N CAMDEN



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.

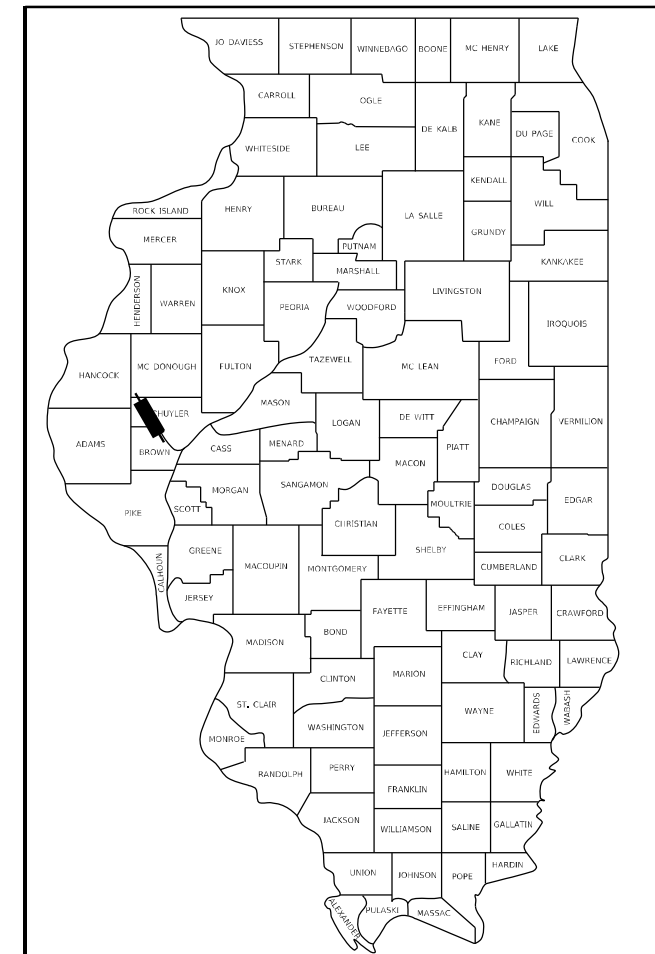
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

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. 72620

D-96-013-24



LOCATION OF SECTION INDICATED THIS: - [thick black line] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 11, 2023  
*John P. Meyer*  
REGIONAL ENGINEER  
February 2, 2024  
*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT  
February 2, 2024  
*Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

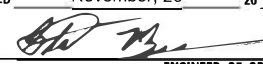

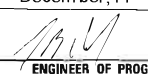
INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3 SUMMARY OF QUANTITIES
- 4-7 EXISTING BRIDGE PLANS, SN 085-0029

- 000001-08
- 001006
- 701001-02
- 701006-05
- 701301-04
- 701321-18
- 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 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 WITHHOLD PAYMENT UNTIL SATISFACTORY CLEANUP IS ACHIEVED.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	November, 23 20 23
 ENGINEER OF OPERATIONS	
EXAMINED	November, 22 20 23
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	December, 11 20 23
 ENGINEER OF PROGRAM DEVELOPMENT	

REV. - MS

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS, GENERAL NOTES, &amp; SIGNATURES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -				550	(11BR)BP	SCHUYLER	7	2
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 72620				
PLOT DATE = 12/11/2023	DATE -	REVISED -				ILLINOIS   FED. AID PROJECT				
			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

0-01377-6006  
STP 80/20

SN 085-0029  
0047-RURAL  
SCHUYLER

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	100	100
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1

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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**

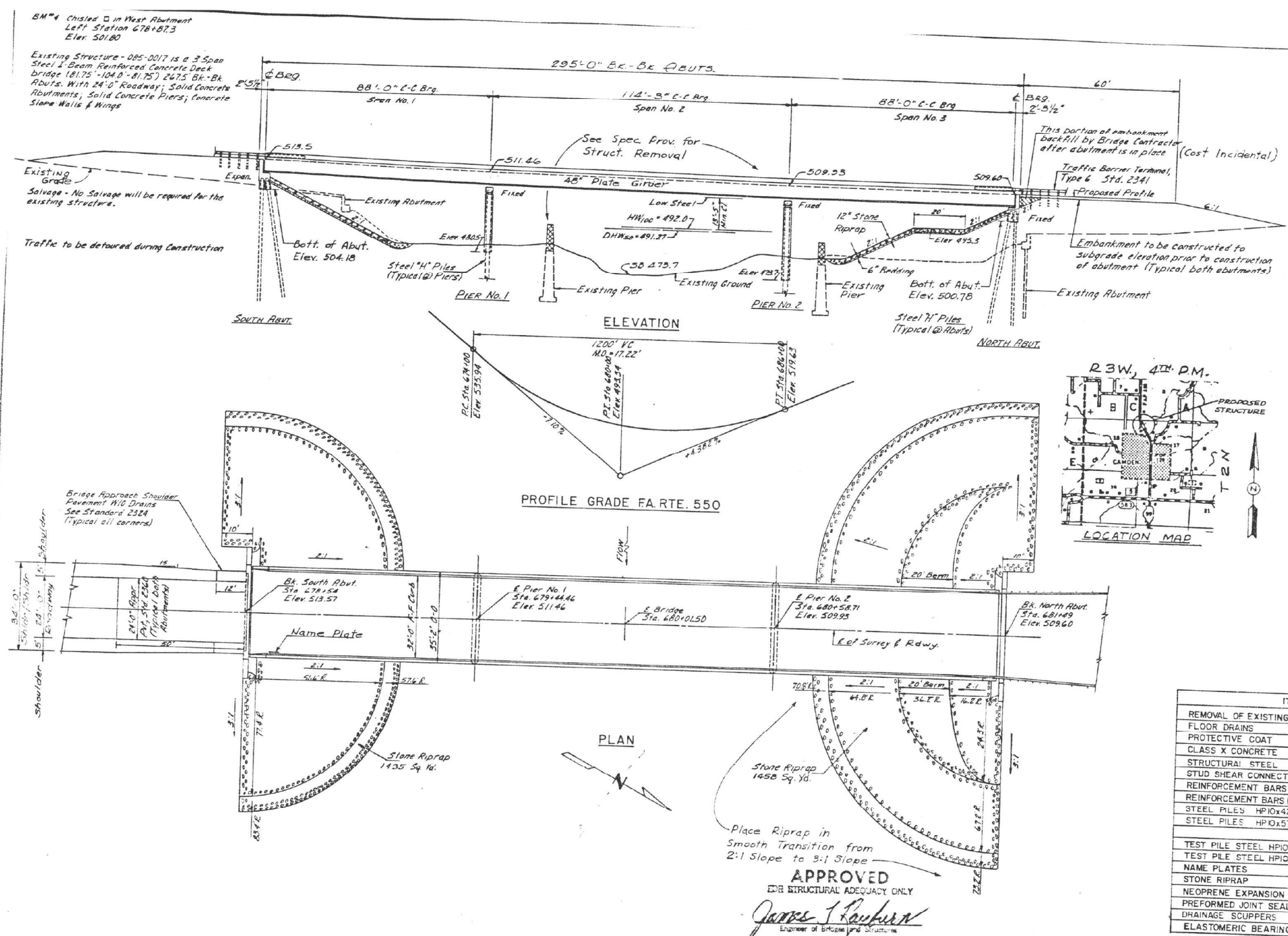
**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(11BR)BP	SCHUYLER	7	3
			CONTRACT NO. 72620	
			ILLINOIS FED. AID PROJECT	

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS
550	11-BR	SCHUYLER	31
PROJECT # 84-03			13

SHEET No. 1  
13 SHEETS



CLASS X CONCRETE SHALL BE USED THROUGHOUT.

THE ZINC-SILICATE AND VINYL PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED.

SEE PROPOSAL FOR BORING DATA.

THE EMBANKMENT CONFIGURATION SHOWN SHALL BE THE MINIMUM EMBANKMENT THAT MUST BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE ABUTMENT.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS NOR TO 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 DIAPHRAGMS OVER SUPPORTS.

BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING OR BY SHIMMING THE BEARING. TWO 1/8 INCH ADJUSTING SHIMS OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS.

THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS (ZONE 2). THESE COMPONENTS ARE THE WEB AND TENSION FLANGES OF THE PLATE GIRDERS AND ALL THEIR SPLICE PLATE MATERIAL.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 GRADE 60.

CALCULATED WEIGHT OF STRUCTURAL STEEL IS 295,926 LBS. WHICH IS COMPRISED OF 294,938 LBS. M 222 and 988 LBS. M 183

ONE STEEL TEST PILE SHALL BE DRIVEN IN THE NORTH ABUTMENT AND ONE IN THE SOUTH PIER, IN PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER, BEFORE THE REMAINDER OF THE PILES ARE ORDERED.

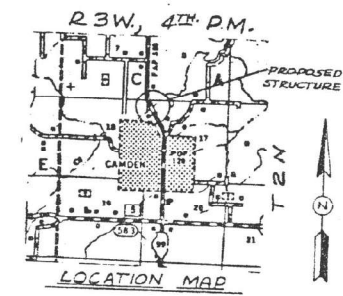
FASTENERS SHALL BE HIGH STRENGTH BOLTS (AASHTO M 154, TYPE 3). BOLTS 7/8" DIA., OPEN HOLES 15/16" DIA., UNLESS OTHERWISE NOTED.

ALL STRUCTURAL STEEL SHALL BE AASHTO M 222 EXCEPT ARMOR ANGLES FOR 1-1/4" PREFORMED JOINT SEAL WHICH SHALL BE AASHTO M 183. ARMOR ANGLES SHALL BE SHOP PAINTED WITH THE ZINC-SILICATE PRIMER.

AASHTO M 222 STRUCTURAL STEEL SHALL NOT BE PAINTED EXCEPT THAT FOR A DISTANCE OF TWO TIMES THE DEPTH OF THE GIRDER (BUT NOT EXCEEDING 10 FEET) EACH WAY FROM DECK JOINTS. THE AASHTO M 222 STRUCTURAL STEEL SHALL BE CLEANED AND GIVEN ONE COAT OF THE ZINC-SILICATE PRIMER AND A DARK MAROON VINYL FINISH COAT. BOTH COATS MAY BE APPLIED IN THE SHOP WITH SPOT PAINTING ONLY IN THE FIELD.

LAYOUT OF STONE RIPRAP MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.

The structural steel bearing plates of the steel box assembly shall conform to the requirements of AASHTO M222



**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	ABUT	PIER	TOTAL
REMOVAL OF EXISTING STRUCTURES NO. 1	EACH				1
FLOOR DRAINS	EACH	16			16
PROTECTIVE COAT	SQ. YD.	1,417			1,417
CLASS X CONCRETE	CU. YD.	308.2	60.3	116.1	484.6
STRUCTURAL STEEL	L. SUM				
STUD SHEAR CONNECTORS	EACH	3,960			3,960
REINFORCEMENT BARS	POUND		5,033	5,894	12,027
REINFORCEMENT BARS (EPOXY COATED)	POUND	78,565			78,565
STEEL PILES HPI0x42	LIN. FT.		599		599
STEEL PILES HPI0x57	LIN. FT.			764	764
TEST PILE STEEL HPI0x42	EACH				
TEST PILE STEEL HPI0x57	EACH				
NAME PLATES	EACH				1
STONE RIPRAP	SQ. YD.				1
NEOPRENE EXPANSION JOINT 4"	LIN. FT.	35			2,893
PREFORMED JOINT SEAL 1 1/4"	LIN. FT.	35			35
DRAINAGE SCUPPERS	EACH	6			6
ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	5			5

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
*James J. Raubert*  
Engineer of Bridges and Structures

*N. E. Flachs*  
ILLINOIS STRUCTURAL ENGINEER  
NO. 2452

STATION 680+01.5  
BUILT 198 BY  
STATE OF ILLINOIS  
F.A.R.T. 550 SEC. 11-BR  
P.A. PROJ. BR-550 (1)  
LOADING HS20  
STR. NO. 085-0029

LETTERING FOR NAME PLATE  
LOCATE NAME PLATE AT SOUTHEAST  
WING. SEE STANDARD 213.

**WATERWAY INFORMATION**

Drainage Area = 50.4 Sq. Mi. Low Grade Elev. 509.59 @ Sta. 681+42

Flood	Freq. Yr.	Q C.F.S.	Q Existing	Q Prod.	Nat. H.W.E.	Head-Ft. Existing	Head-Ft. Prod.	Headwater Ft. Existing	Headwater Ft. Prod.
Design	50	5900	2301	1974	491.27	.04	.11	491.31	491.38
Base	100	6730	2486	2126	492.01	.05	.14	492.06	492.15
Uvertopping	N/A								
Max. Calc.	500	8570	2934	2499	493.78	.07	.18	493.85	493.96

**DESIGN STRESSES**

**SUPERSTRUCTURE**  
 $f_c = 3,500$  P.S.I.  
 $f_y = 50,000$  P.S.I. (AASHTO-M222)  
 $f_y = 60,000$  P.S.I. (REINF.)

**SUBSTRUCTURE**  
 $f_c = 3,500$  P.S.I.  
 $f_y = 60,000$  P.S.I. (REINF.)

DESIGN PROVIDES FOR FUTURE WEARING SURFACE OF 25 POUNDS PER SQUARE FOOT.

THE DESIGN COMPLIES WITH REQUIREMENTS OF THE 1983 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

LOADING HS 20-44.

GENERAL PLAN & ELEVATION  
FA RTE. 550 (ILL. RTE. 99)  
SECTION 11-BR  
CEDAR CREEK  
SCHUYLER COUNTY  
STATION 680+01.50

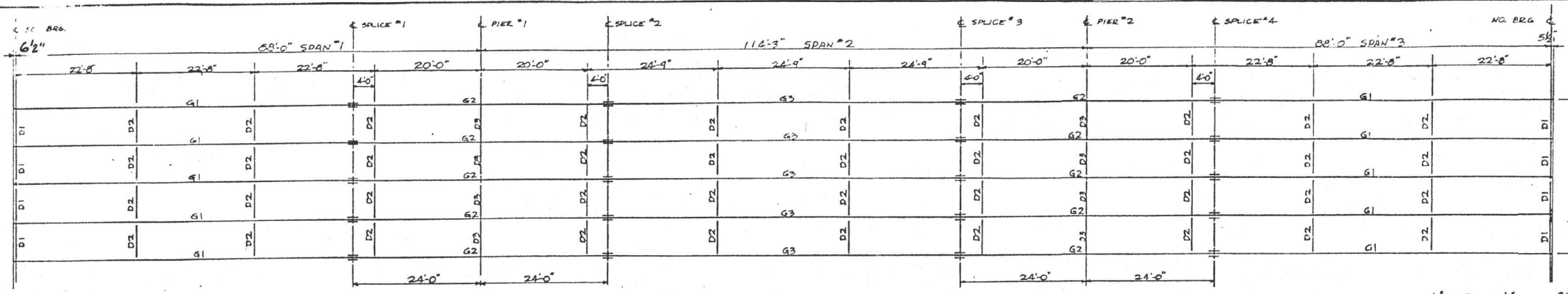
REVISION NO. \_\_\_\_\_ DWG. NO. \_\_\_\_\_

13

PROJECT NO. 84-03

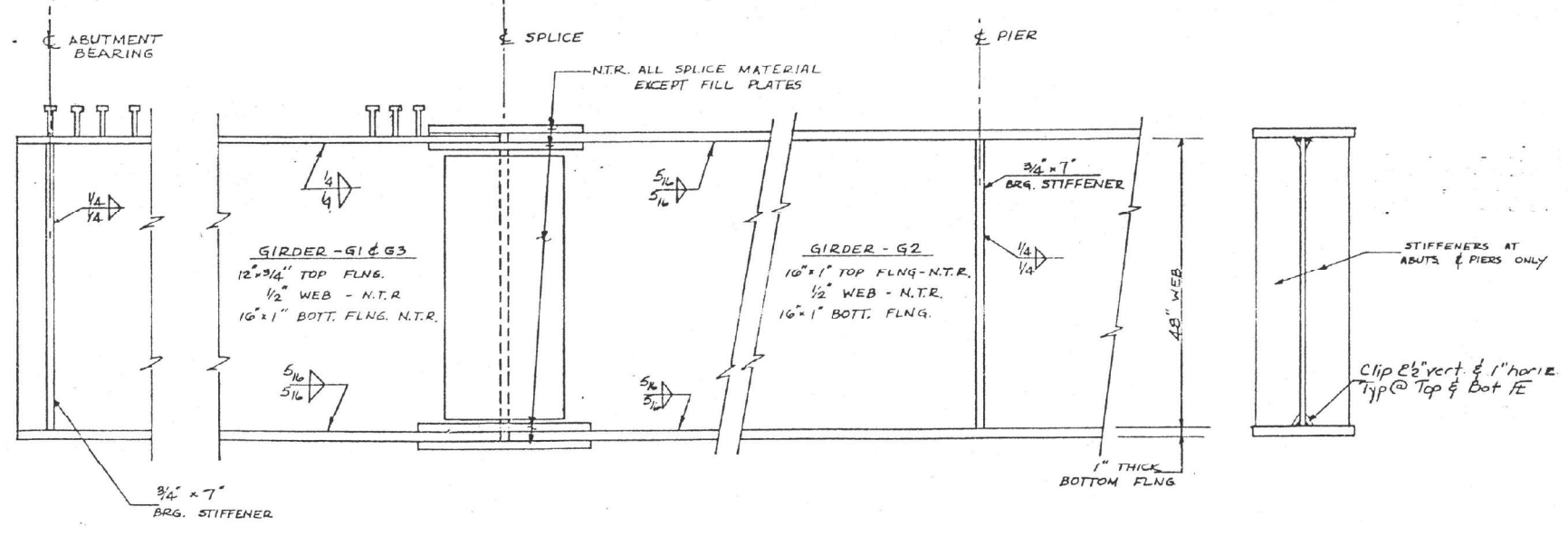
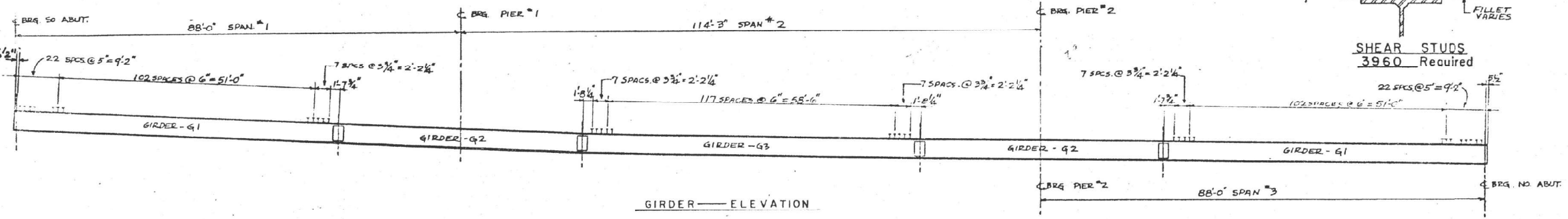
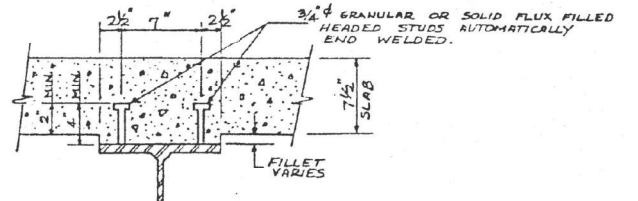
N.E. FLACHS & ASSOCIATES, INC.  
110 NORTH EIGHTH STREET  
QUINCY, ILLINOIS

DATE: 8-9-85  
BY: GE



FA#1E	SECTION	COUNTY	TOTAL SHEET
550	11-BR	SCHUYLER	31
			17A
PROJECT NO. 84-03			

SHEET No. 5A  
12 SHEETS



ITEM	QUANTITY
ELAST. BEARINGS ASSY TYPE 3	EACH 5
STUD SHEAR CONNECTORS	EACH 3960

THE WEIGHT OF FIXED BEARING ASSEMBLIES WITH LEAD PLATES AND ANCHOR BOLTS IS COMPUTED AS 3455 POUNDS AND IS INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

NOTE: N.T.R. INDICATES NOTCH TOUGHNESS REQUIREMENTS ARE APPLICABLE.

GIRDER DETAILS  
SHOWING MATERIALS & WELDING  
(N.T.R. INDICATES NOTCH TOUGHNESS REQUIREMENT)

**As Revised 8/22/85**  
(End of beam @ S. Abut.)

STRUCTURAL STEEL & DETAILS FA RTE. 550 (ILL. RTE. 99) SECTION 11-BR CEDAR CREEK SCHUYLER COUNTY STATION 680+01.5	REVISION NO.	DWG. NO.
		17A
		PROJECT NO. 84-03
N.E. FLACHS & ASSOCIATES, INC. 110 NORTH EIGHTH STREET QUINCY, ILLINOIS	DATE: 4-9-85	BY: N.E.F.

Rev. 8/22/85 J.E.

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2023	DATE -	REVISED -

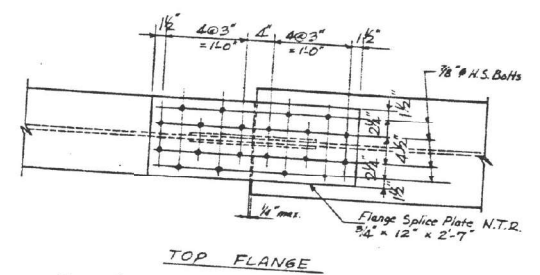
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS, SN 085-0029 (FOR INFORMATION ONLY)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

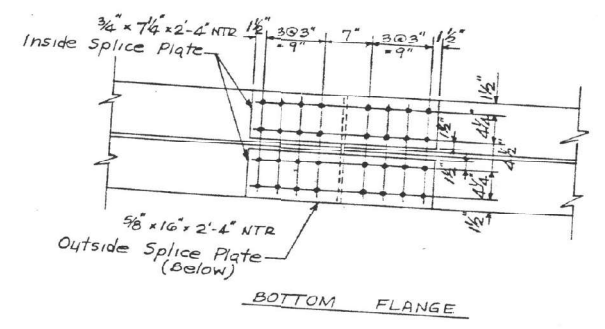
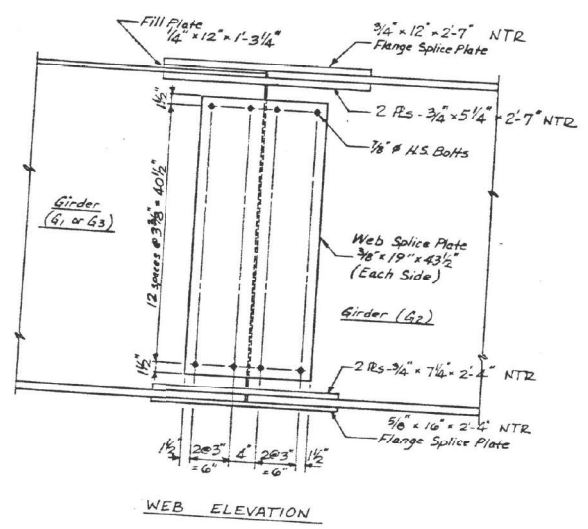
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550	(11BR)BP	SCHUYLER	7	5
				CONTRACT NO. 72620
				ILLINOIS FED. AID PROJECT

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS
550	11-BR	SCHUYLER	31
F.A.R.T.E. NO.	ILLINOIS	PROJECT	550

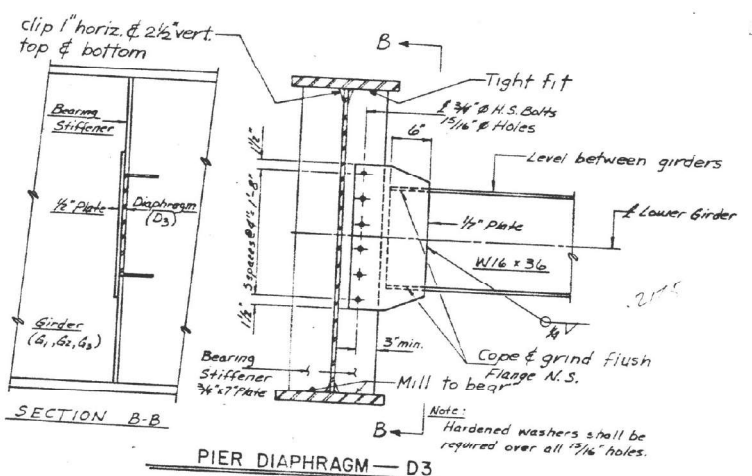
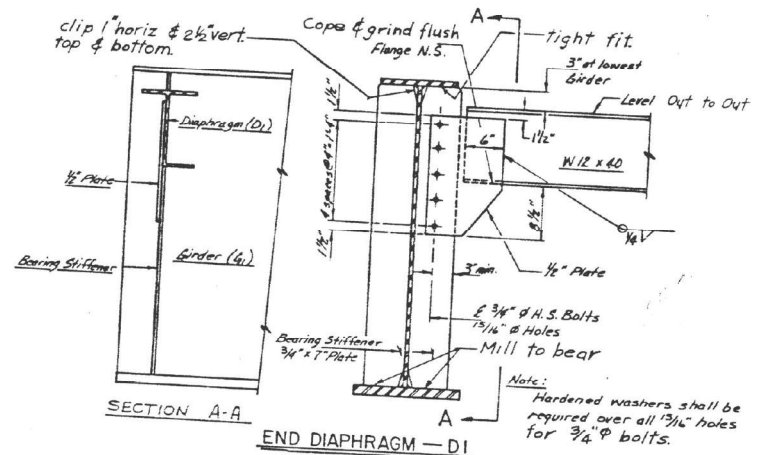
SHEET NO. 6  
12 SHEETS



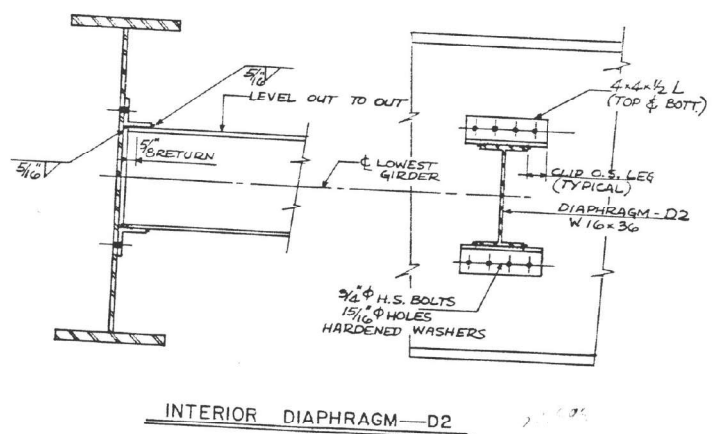
Note: All splice plates shall conform to N.T.R., except fill plates.



GIRDER SPLICE DETAILS (TYPICAL)



Note: All "H.S. Bolts" shall be M164 Type 3  
All plates and shapes shall be AASHTO M222



INTERIOR BEAM MOMENT TABLE

	0.4-SPAN 1 0.6-SPAN 3	PIER 1 PIER 2	0.5 SPAN 2
$I_x$ (in <sup>4</sup> )	18,955	23,819	18,955
$I_c$ (in <sup>4</sup> )	49,272		49,272
$S_x$ (in <sup>3</sup> )	679.4	952.7	679.4
$S_c$ (in <sup>3</sup> )	1,214		1,214
D.L. (ft-K)	0.860	1.184	0.860
$M_{DL}$ (ft-K)	419.9	1,230.9	455
S.D.L. (ft-K)	0.324		0.324
$M_{SDL}$ (ft-K)	188		245.9
$M_{LL}$ (ft-K)	738	572.9	830.6
$M_{imp}$ (ft-K)	173.3	125.7	173.6
$\frac{2}{3}(M_{LL}+Imp)$ (ft-K)	1,518.8	1,166	1,673.7
$M_o$ (ft-K)	2,764.7	3,116.0	3,086.8
$M_u$ (ft-K)	5,058		5,058
$f_x$ (DL) (Ksi)	7.4	15.5	8.0
$f_x$ (S.D.L.) (Ksi)	1.9		2.4
$f_x$ (LL+Imp) (Ksi)	15.0	14.7	16.5
$f_x$ (Overload) (Ksi)	24.3	30.2	26.9
$f_x$ (Total) (Ksi)	31.6	39.3	35.0
VR (K)	56.9		57.4

$M_u$  = Maximum strength of non-compact composite braced sections computed according to AASHTO SECTION 10.46.2 and SECTION 10.50.1.2.

$f_x$  (Applied Moment) =  $1.3 [M_{DL} + M_{SDL} + \frac{2}{3}(M_{LL} + Imp)]$

$I_x$  and  $S_x$  are the moment of inertia and section modulus of the steel section used in computing  $f_x$  (Overload).

$I_c$  and  $S_c$  are the moment of inertia and section modulus of the composite section used in computing  $f_x$  (Total and Overload).

$f_x$  (Overload) is the sum of the stresses due to  $[\frac{2}{3}(M_{LL} + Imp) + M_{imp}]$

$f_x$  (Total) is the sum of the stresses due to  $1.3 [M_{DL} + \frac{2}{3}(M_{LL} + Imp)]$

VR is the maximum  $L_L +$  impact shear range in span.

TOP OF WEB ELEVATIONS (FOR FABRICATION ONLY)

	SO. ABUT. C.L. BRG.	C.L. SPL. NO. 1	C.L. PIER NO. 1	C.L. SPL. NO. 2	C.L. SPL. NO. 3	C.L. PIER NO. 2	C.L. SPL. NO. 4	NO. ABUT. C.L. BRG.
BEAM 1	512.51	510.90	510.45	509.99	509.10	508.90	508.68	508.61
BEAM 2	512.64	511.03	510.58	510.12	509.23	509.03	508.81	508.74
BEAM 3	512.75	511.14	510.69	510.23	509.34	509.14	508.92	508.85
BEAM 4	512.64	511.03	510.58	510.12	509.23	509.03	508.81	508.74
BEAM 5	512.51	510.90	510.45	509.99	509.10	508.90	508.68	508.61

INTERIOR BEAM REACTION TABLE

		AT BOTH ABUTMENTS	AT BOTH PIERS
R.D.L.	K	26.3	97.1
R.S.D.L.	K	11.1	36.0
R.L.L.	K	41.6	66.0
R IMP.	K	9.8	14.6
R TOTAL	K	88.8	213.6

STRUCTURAL DETAILS & SCHEDULES  
FA RTE. 550 (ILL. RTE. 99)  
SECTION 11-BR  
CEDAR CREEK  
SCHUYLER COUNTY  
STATION 680+01.5

REVISION NO. \_\_\_\_\_ DWG. NO. **18**

PROJECT NO. 84-03  
DATE: 4-9-85

N.E. FLACHS & ASSOCIATES, INC.  
110 NORTH EIGHTH STREET

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS, SN 085-0029  
(FOR INFORMATION ONLY)

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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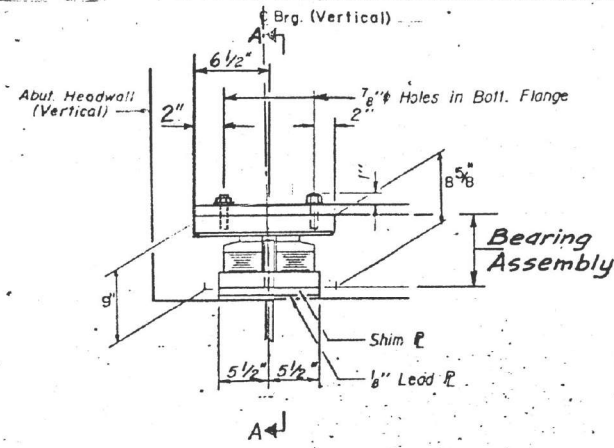
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550	(11BR)BP	SCHUYLER	7	6
ILLINOIS			FED. AID PROJECT	

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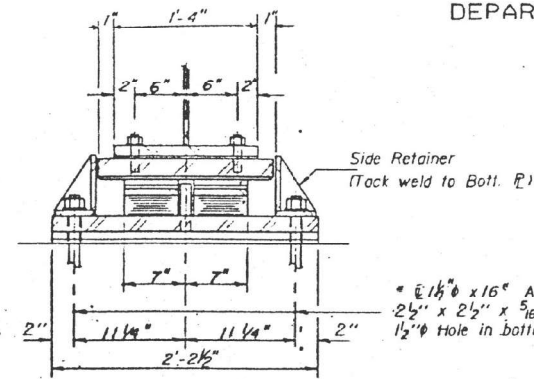
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FA RTE. 550	11-BR	SCHUYLER	31	19A

SHEET NO. 7A  
12 SHEETS

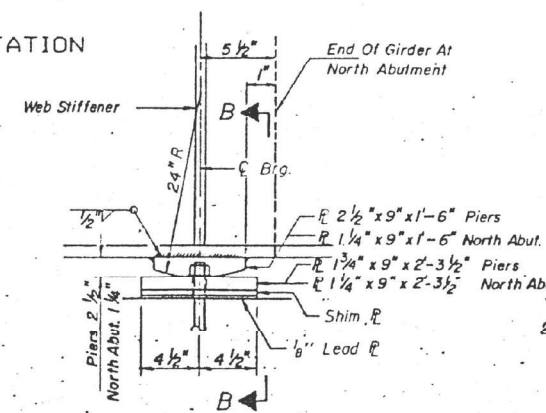


ELEVATION AT SOUTH ABUT.

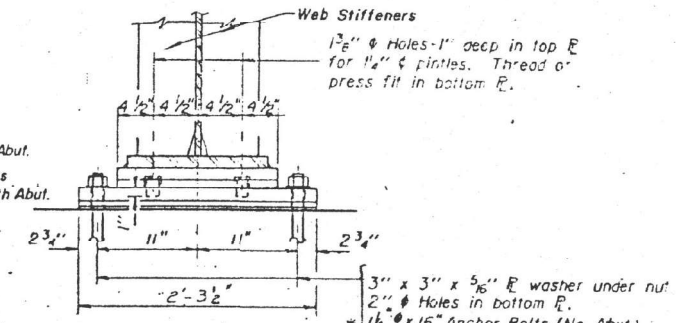


SECTION A-A

\*  $\varnothing 1\frac{1}{2}$ " x 16" Anchor bolts with 2 1/2" x 2 1/2" x 5/16" E washer under nut  
1 1/2"  $\varnothing$  Hole in bottom P.



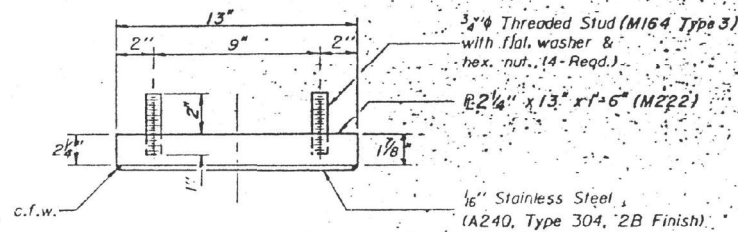
ELEVATION AT PIERS AND NORTH ABUT.



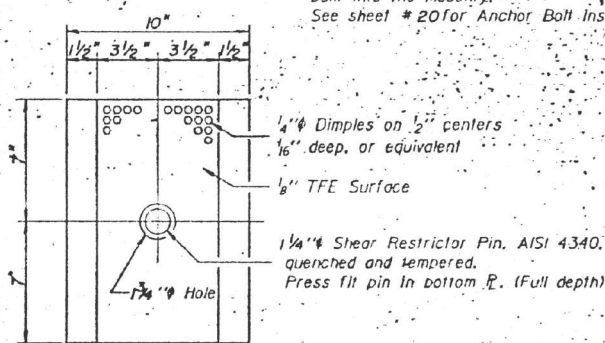
SECTION B-B

\* 3" x 3" x 5/16" E washer under nut  
2"  $\varnothing$  Holes in bottom P.  
\* 1 1/2" x 15" Anchor Bolts (No. Abut.)  
\* 1 1/2" x 19" Anchor Bolts (Piers)

TYPE III ELASTOMERIC EXP. BRG.



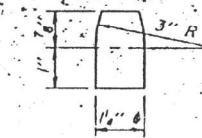
TOP BEARING ASSEMBLY (LOOKING - WEST)



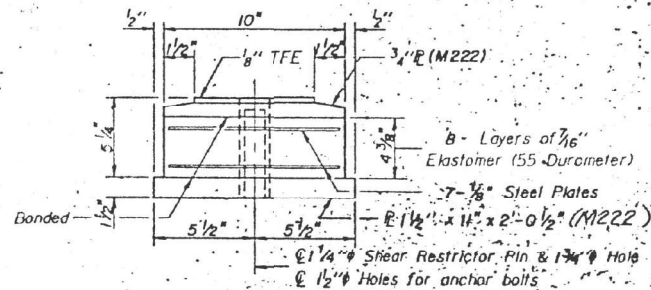
PLAN-TFE ELASTOMERIC BRG.

\* Notes: Anchor bolts at fixed bearings may be built into the masonry.  
See sheet # 20 for Anchor Bolt Installation.

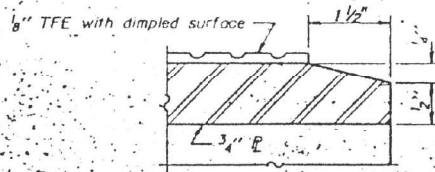
FIXED BEARING



PINTLE



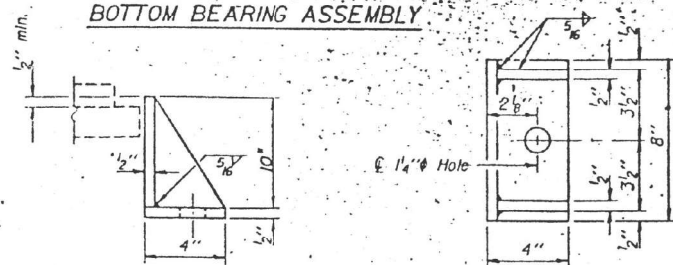
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

Note: The 1/8" TFE 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" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

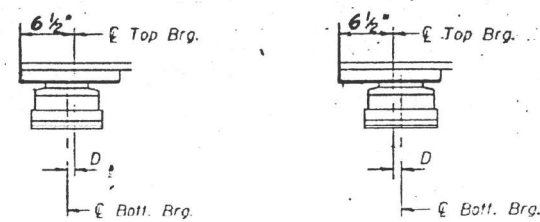


SIDE RETAINER (M222)

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

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

I-2-E3 12-1-83



BELOW 50° F. (Move bott. brg. away from fixed brg.)  
ABOVE 50° F. (Move bott. brg. toward fixed brg.)

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

Item	Units	Total
Elastomeric Bearing Assembly Type III	Each	5

**As Revised 8/22/85**  
(End of beam @ S. Abut.)

ELASTOMERIC BEARING ASSY. FA RTE. 550 (ILL. RTE. 99) SECTION 11-BR CEDAR CREEK SCHUYLER COUNTY STATION 680+01.5	REVISION NO.	DWG. NO.
		19A
		PROJECT NO. 85-03
		DATE: 4-9-85
N.E. FLACHS & ASSOCIATES, INC. 110 NORTH EIGHTH STREET QUINCY, ILLINOIS		BY: G.M.

Rev. 8/22/85 J.E.

MODEL: Default  
FILE NAME: S:\Address\Bridges\85-CAD\72620 - 0850029\brfldmshane.dgn

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 BRIDGE PLANS, SN 085-0029 (FOR INFORMATION ONLY)		F.A.P. RTE. 550	SECTION (11BR)BP	COUNTY SCHUYLER	TOTAL SHEETS 7	SHEET NO. 7
SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 72620		
				ILLINOIS	FED. AID PROJECT	