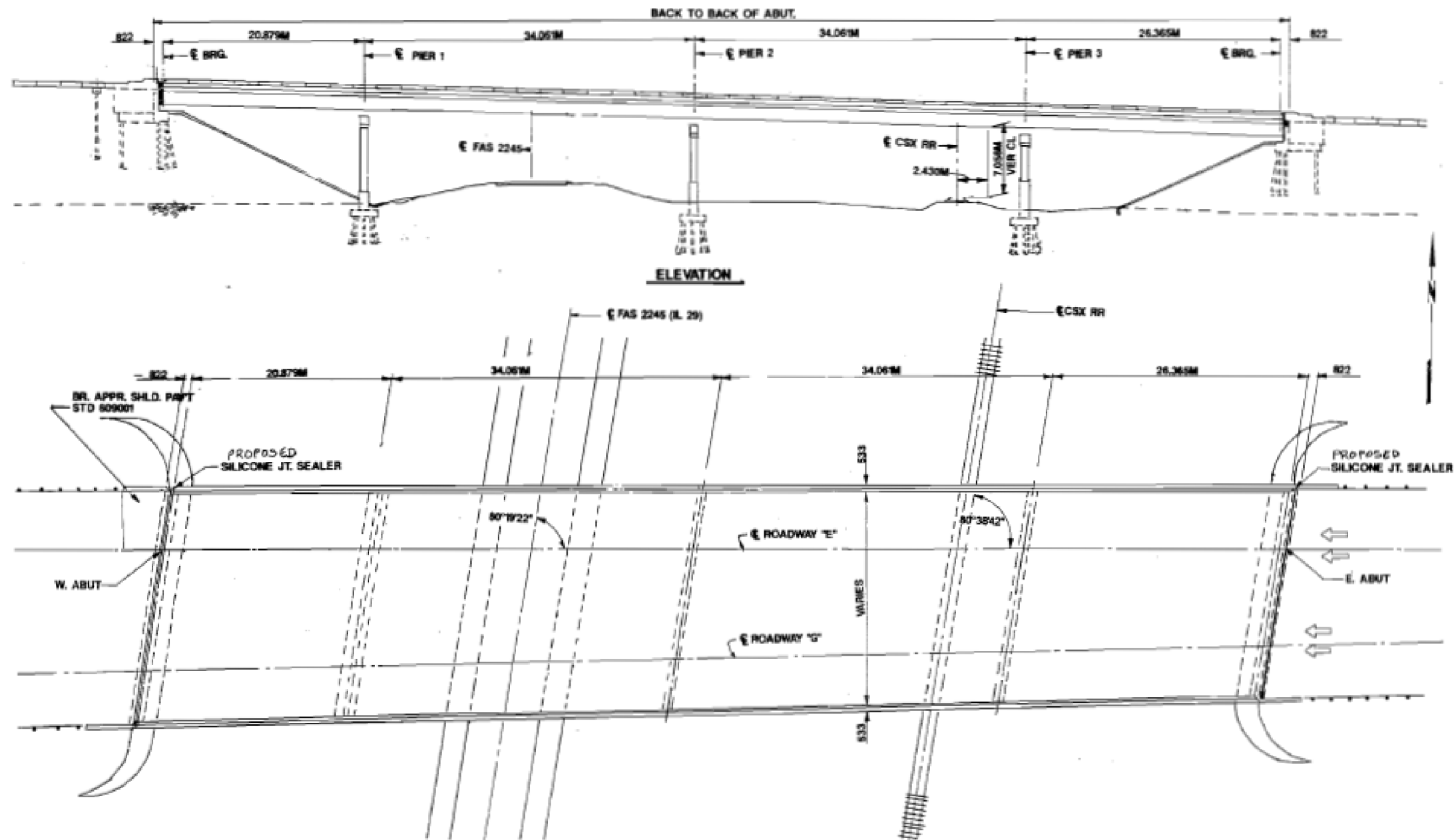


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SHEET NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 180	*	*	277	255

*(06-1-006-2)RS-2 & (06-2-106-3,78-7)RS-1
* BUREAU & PUTNAM

SHEET NO. 1
OF SHEETS

GENERAL NOTES

ALL STRUCTURAL STEEL SHALL BE AASHTO M 270M GRADE 345 EXCEPT EXPANSION JOINTS PLATES AND ATTACHED BARS WHICH SHALL BE AASHTO M 270M GRADE 250.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31M, M-42M, OR M-52M GRADE 400.

PRIOR TO POURING THE NEW CONCRETE FOR THE DECK, ALL LOOSE RUST, LOOSE MILL SCALE, AND ALL OTHER LOOSE, DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE PORTIONS OF PLATES OF STRINGERS (GIRDERS) IN CONTACT WITH CONCRETE. THE REMOVAL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SSPC SURFACE PREPARATION SPECIFICATIONS SP-3 FOR POWER TOOL CLEANING OR SP-2 FOR HAND TOOL CLEANING. COST SHALL BE INCIDENTAL TO CONTRACT.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD 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 THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPlicer OR ANCHORAGE SYSTEM. COST SHALL BE INCLUDED IN THE COST OF CONCRETE REMOVAL.

EXISTING LONGITUDINAL REINFORCEMENT EXTENDING INTO THE REMOVED AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. EXISTING TRANSVERSE REINFORCEMENT MAY BE CUT AS SHOWN AND REMOVED.

THE INORGANIC ZINC RICH PRIMER/ACRYLIC/ACRILIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE ACRYLIC FINISH COAT SHALL BE INTERSTATE GREEN, MUNSELL NO. 7.5G 4/5. SEE SPECIAL PROVISION "CLEANING AND PAINTING NEW METAL STRUCTURES".

EXISTING STRUCTURAL STEEL SHALL ONLY BE CLEANED AND PAINTED AS REQUIRED BY THE SPECIAL PROVISION "CLEANING AND PAINTING ADJACENT AREAS OF EXISTING STEEL STRUCTURES".

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE SUPERSTRUCTURE	CU. M.	10.4
BIT. CONC. REM. (DECK)	SQ. M.	2625
CONC. BR. DK. SCAR. (15MM)	SQ. M.	2505
BR. DK. MICROSILICA CONC. OVRLY.	SQ. M.	2505
Bridge Deck Glossing	SQ. M.	2544
REINFORCEMENT BARS, EPOXY CTD.	KG	985
CONCRETE REMOVAL	CU. M.	9.4
SILICONE JOINT SEALER	METER	48
DECK SLAB REP. (PART.)	SQ. M.	10
DECK SLAB (FD-T1)	SQ. M.	4
DECK SLAB (FD-T2)	SQ. M.	5
F & E STRUCTURAL STEEL	KG	2505
BAR SPlicERS	EACH	30
JACK & REM. EXIST. BEARINGS	EACH	10
ELAST. BEARING ASSY. TYPE 2	EACH	10
DRAINAGE SCUPPER	EACH	4
POLYMER CONCRETE	CU. M.	0.22

GENERAL PLAN
FAI RTE 180, SEC 06-2HVB
BUREAU COUNTY
SN 006-0058

DISTRICT NO. 2 DIXON

DESIGNED

DRAWN

CHECKED

REVIEWER: 3/15/2024

DATE

SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

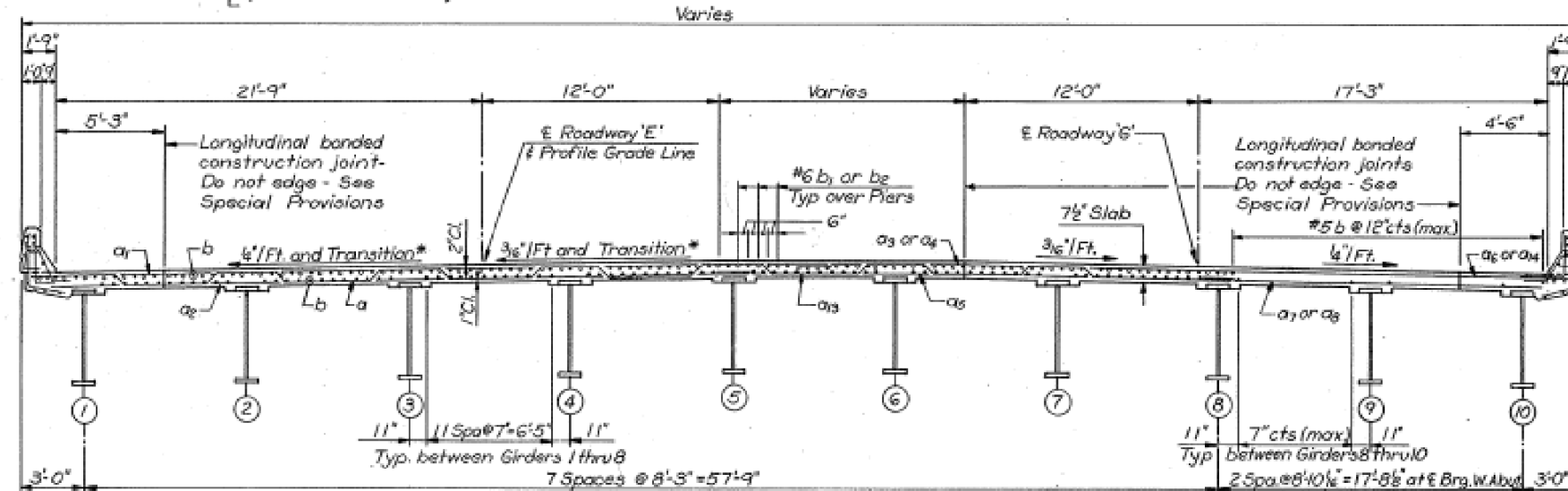
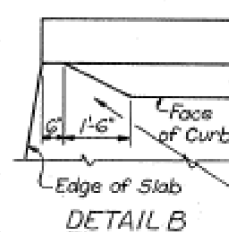
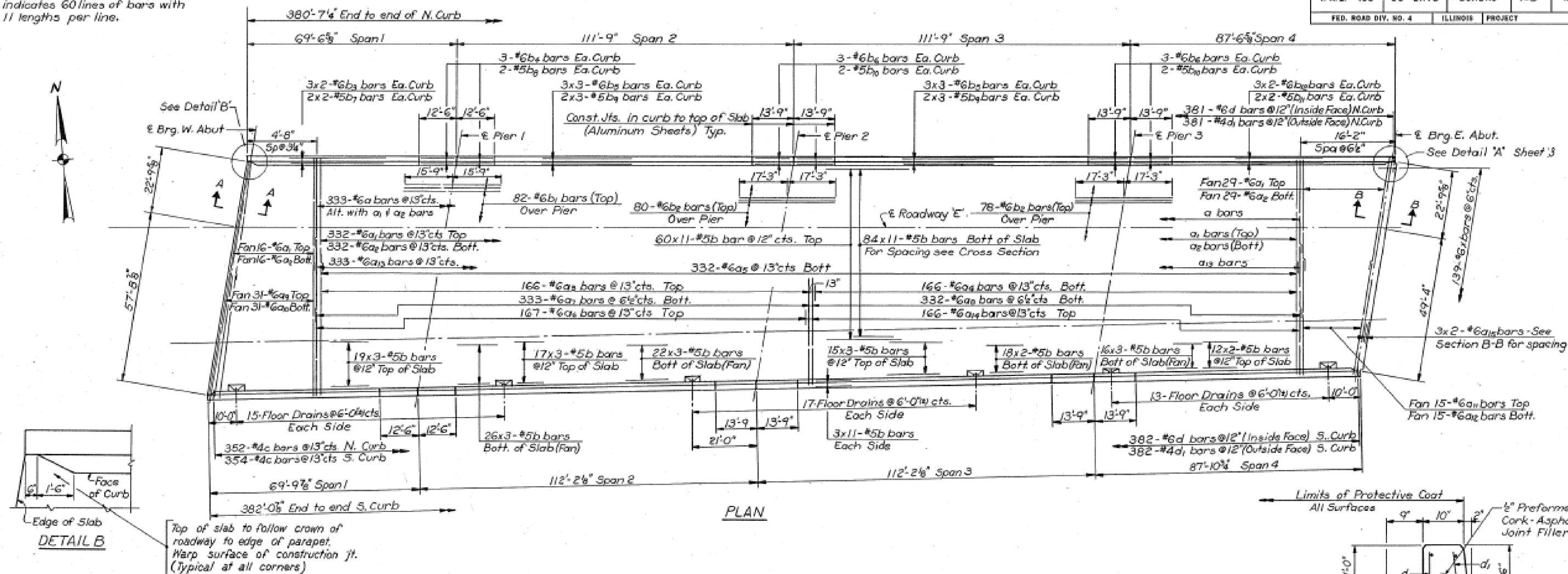
SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2HVB)SCR	BUREAU	23	16
CONTRACT NO. 66P28				
ILLINOIS FED. AID PROJECT				

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = SCALES	CHECKED - YP	REVISED -
PLOT DATE = 7/14/2025	DATE - 2/21/2024	REVISED -

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A.I. - 180	06-2HVB	BUREAU	103	47
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	

Note:
Bars indicated thus 60x11-#5 etc.
indicates 60 lines of bars with
11 lengths per line.

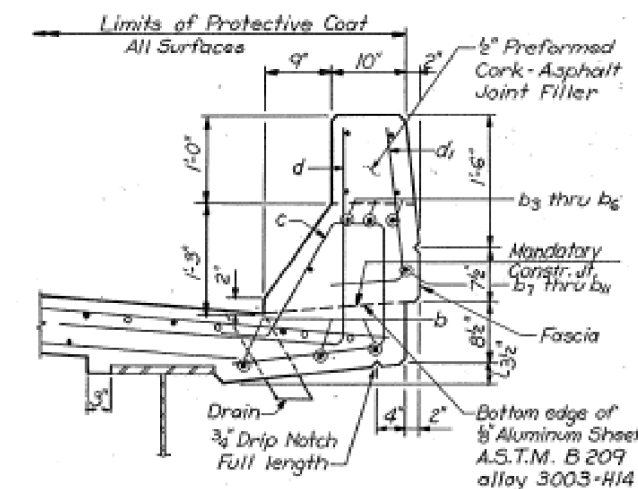


CROSS SECTION

Looking East
*For Deck Transition See
Transition Plan Sheet 3

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
9-16-47
Engineer of Bridge & Traffic Structures

NOTES:
For Bar Details and Bill of Material
see Sheet 3
Longitudinal reinforcing in parapets
is shown and billed on Sheet 4.
For Section A-A & B-B and Detail 'A'
see Sheet 3.
All clearances shall be 1'-6" unless
shown otherwise.
Min bar laps 20 dia.
Floor Drains shall be located to miss
Piers and Diaphragms.
For Tables of Elevations see Sheets 15, 16 & 17.



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
SUPERSTRUCTURE
ROADWAY "E" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.
STATION 660+29.03
F.A.I. RT. 180 BUREAU COUNTY SECTION 06-2HVB
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET
2 OF 19

MODEL: Default
FILE NAME: c:\pwwork\woodshank\137636892.dgn

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
DESIGNED BY = J.C.S.	DRAWN - RW	REVISED -
CHECKED BY = A.T.	CHECKED - YP	REVISED -
APPROVED BY = K.A.	DATE - 2/21/2024	REVISED -
PLOT SCALE = 3/8"=1'-0"		
PLOT DATE = 7/14/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
CONTRACT NO. 66R92				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. - 180	06-2HVB	BUREAU	103	50
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

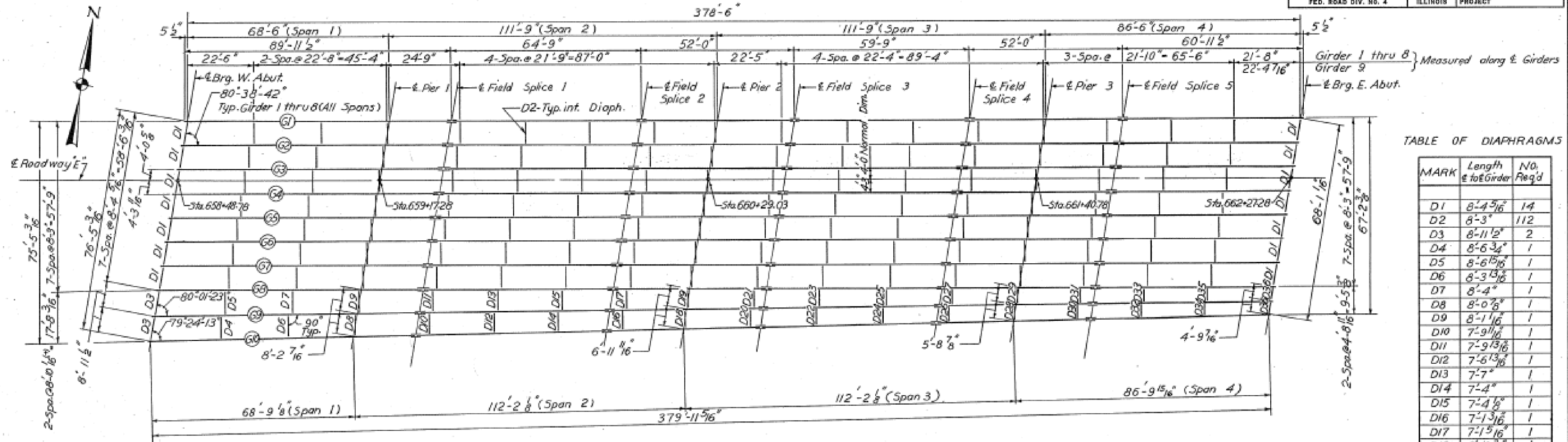
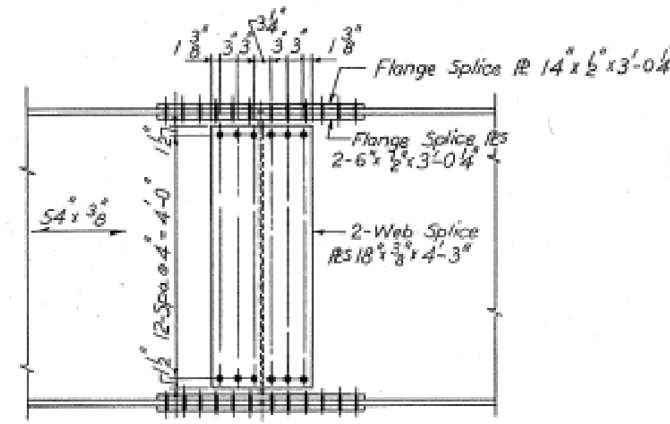


TABLE OF DIAPHRAGMS

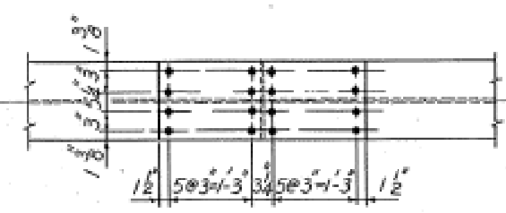
MARK	Length ft to E. Girder	No. Req'd
D1	8'-4 5/16"	14
D2	8'-3"	112
D3	8'-11 1/2"	2
D4	8'-6 3/4"	1
D5	8'-6 15/16"	1
D6	8'-3 13/16"	1
D7	8'-4"	1
D8	8'-0 7/8"	1
D9	8'-1 1/16"	1
D10	7'-9 11/16"	1
D11	7'-9 13/16"	1
D12	7'-6 13/16"	1
D13	7'-7"	1
D14	7'-4"	1
D15	7'-4 1/8"	1
D16	7'-1 13/16"	1
D17	7'-1 5/16"	1
D18	6'-10 3/8"	1
D19	6'-10 1/2"	1
D20	6'-7 7/8"	1
D21	6'-7 9/16"	1
D22	6'-4 9/16"	1
D23	6'-4 11/16"	1
D24	6'-1 11/16"	1
D25	6'-1 3/4"	1
D26	5'-10 3/4"	1
D27	5'-10 13/16"	1
D28	5'-7 7/8"	1
D29	5'-7 5/8"	1
D30	5'-5 1/16"	1
D31	5'-5 1/8"	1
D32	5'-2 1/16"	1
D33	5'-2 1/4"	1
D34	4'-11 3/8"	1
D35	4'-11 3/8"	1
D36	4'-9 7/16"	2

FRAMING PLAN



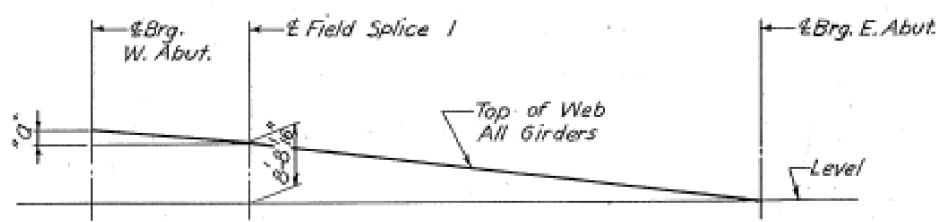
TOP OF GIRDER WEB ELEVATIONS FOR FABRICATION
(Deflection not Included)

Girder	E. Brg. W. Abut.	E. Pier 1	E. Field Splice 1	E. Field Splice 2	E. Pier 2	E. Field Splice 3	E. Field Splice 4	E. Pier 3	E. Field Splice 5	E. Brg. E. Abut.
G1	503.34	501.61	501.08	499.14	498.36	497.58	495.79	495.01	494.23	492.41
G2	503.72	501.86	501.29	499.35	498.57	497.79	496.00	495.22	494.44	492.62
G3	504.11	502.12	501.51	499.57	498.79	498.01	496.22	495.44	494.66	492.84
G4	504.49	502.35	501.70	499.76	498.98	498.20	496.41	495.63	494.85	493.03
G5	504.82	502.54	501.84	499.90	499.12	498.34	496.55	495.77	494.99	493.17
G6	504.70	502.56	501.90	499.96	499.18	498.40	496.61	495.83	495.05	493.23
G7	504.59	502.49	501.84	499.90	499.12	498.34	496.55	495.77	494.99	493.17
G8	504.51	502.37	501.72	499.78	499.00	498.22	496.43	495.65	494.87	493.05
G9	504.39	502.29	501.65	499.71	498.93	498.15	496.36	495.58	494.80	492.98
G10	504.25	502.18	501.55	499.61	498.83	498.05	496.26	495.48	494.70	492.88



FIELD SPLICE DETAIL
No. Req'd 50

Note: H.S. Bolt spacing in flange splices to be increased as required where stiffener occurs.
3/4" H.S. Bolts in all web splices
1/2" H.S. Bolts in all flange splices



FABRICATION DIAGRAM
All Girders

Girder	Dimension 'a'
G1	2'-3 1/8"
G2	2'-5 3/8"
G3	2'-7 3/8"
G4	2'-9 3/8"
G5	2'-11 3/8"
G6	2'-9 3/8"
G7	2'-9"
G8	2'-9 1/2"
G9	2'-8 7/8"
G10	2'-8 3/8"

APPROVED
FOR STRUCTURAL AGENCY ONLY
9-8-67
Engineer of Bridge & Traffic Structures

BRIDGE NO. 11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS

FRAMING PLAN
ROADWAY "E" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.

STATION 660+29.03

F.A.I. RT. 180 BUREAU COUNTY SECTION 06-2HVB

H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

SHEET
5 of 19

MODEL: Default
FILE NAME: c:\pwwork\woodshank\137636692.dgn

USER NAME - ronald.woodshank	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE - SCALES	CHECKED - YP	REVISED -
PLOT DATE - 7/14/2025	DATE - 2/21/2024	REVISED -

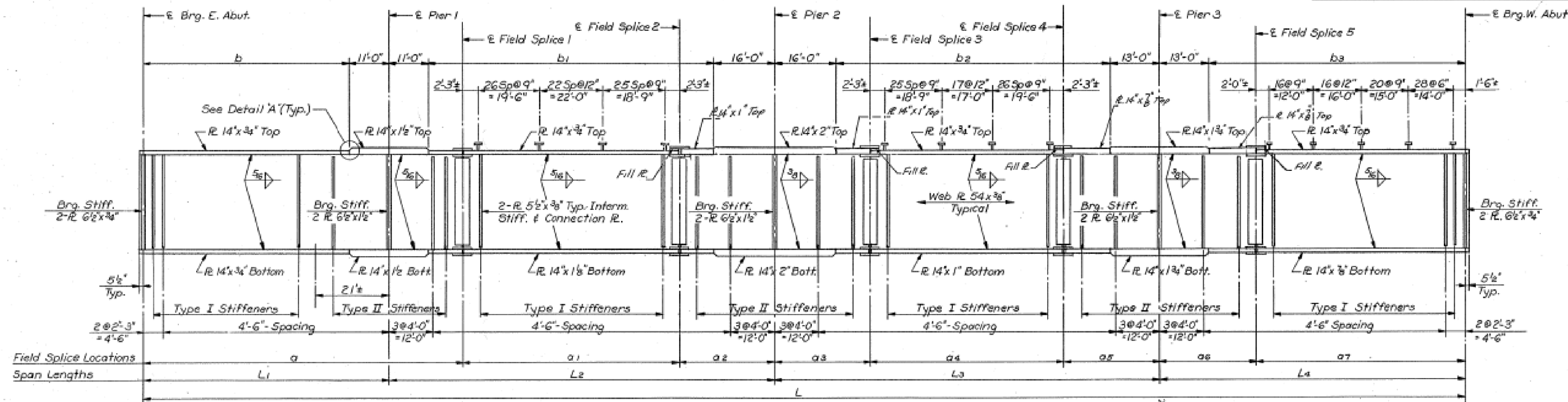
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
CONTRACT NO. 66R92				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-180	06-2HVB	BUREAU	103	51
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

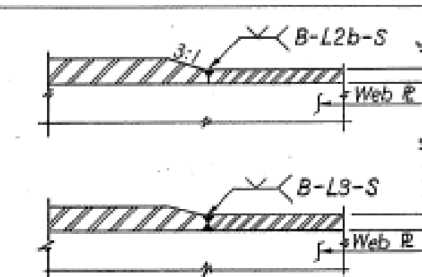


Notes: Place Stiffeners to clear Connection plates keeping the minimum Stiffener Spacing.

GIRDER ELEVATION

GIRDER SCHEDULE

GIRDER	L	L1	L2	L3	L4	a	a1	a2	a3	a4	a5	a6	a7	b	b1	b2	b3
G1 thru G8	378'-6"	68'-6"	111'-9"	111'-9"	86'-6"	89'-6"	64'-9"	26'-0"	26'-0"	59'-9"	26'-0"	26'-0"	60'-6"	57'-6"	84'-9"	82'-9"	73'-6"
G9	379'-2"	68'-7"	111'-11"	111'-11"	86'-7"	89'-8"	64'-10"	26'-0"	26'-0"	59'-10"	26'-0"	26'-0"	60'-7"	57'-7"	84'-11"	82'-11"	73'-7"
G10	379'-11"	68'-9"	112'-2"	112'-2"	86'-9"	89'-10"	64'-11"	26'-1"	26'-1"	59'-11"	26'-1"	26'-1"	60'-8"	57'-9"	85'-2"	83'-2"	73'-9"



Showing thickness transition.
Note: All welding shall conform to AWS (D20-66)

NOTES:

Type I Stiffeners shall fit tight at the top flange and be undercut 3/8" at the bottom flange.
Type II Stiffeners shall fit tight at the bottom flange and be undercut 3/8" at the top flange.
All Bearing Stiffeners shall be vertical.
Stud shear connectors on the girder flanges shall be placed in the field after the steel has been erected and the deck forms are in place. Flange shear connectors are included in the quantity of Structural Steel. Number Required = 6,720
Estimated Weight = 4,234 Lbs.

PROPERTIES

	STEEL SECTION	COMPOSITE SECTION
Span 1	I _s 24290 S _{rs} 786 S _{bs} 973	I _c 55050 S _{rc} 2944 S _{bc} 1246
Span 2	I _s 23161 S _{rs} 774 S _{bs} 897	I _c 51600 S _{rc} 2873 S _{bc} 1152
Span 3	I _s 21955 S _{rs} 760 S _{bs} 821	I _c 48036 S _{rc} 2794 S _{bc} 1057

KEY TO NOTATION

D.L. = Dead Load
S.D.L. = Superimposed dead load acting on composite section
L.L. = Live Load
I_s = Moment of inertia steel section
S_{rs} = Sec. Mod. top steel section
S_{bs} = Sec. Mod. bott. steel section
I_c = Moment of inertia comp. sec.
S_{rc} = Sec. Mod. top comp. sec.
S_{bc} = Sec. Mod. bott. comp. sec.

BRIDGE NO. 11

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS

GIRDER DETAILS
ROADWAY "E" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.
STATION 660+29.03

F.A.I. RT. 180 BUREAU COUNTY SECTION 06-2HVB
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET NO. 6 OF 19

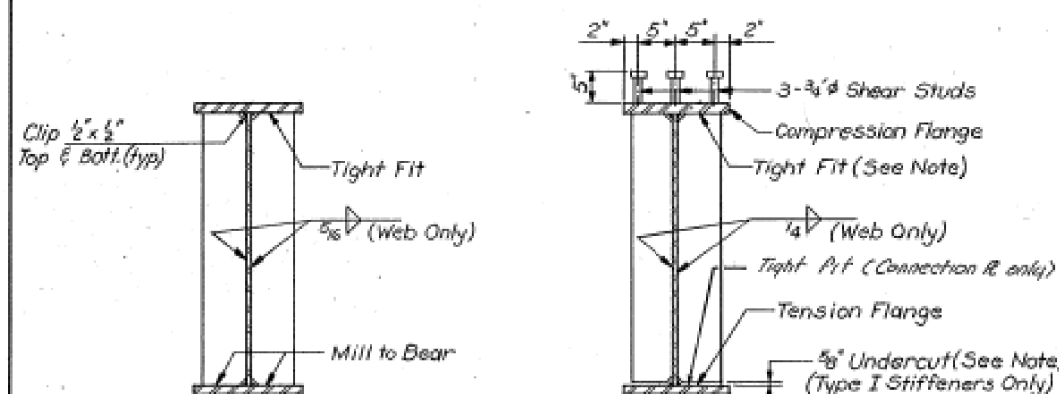
STRESS TABLE (Interior Girders - Non Composite)

	MOMENTS (Ft-Kips)				REACTIONS (Kips)			
	Span 1	Pier 1	Pier 2	Pier 3	W. Abut.	Pier 1	Pier 2	Pier 3
Dead Load	200.6	1105	1480	1320	27.4	126.7	147.3	139.6
Live Load	510.6	610	835	715	44.6	72.4	80.4	76.5
Impact	179.4	190	225	205	11.5	16.8	16.9	17.0
Total	890.6	1905	2550	2240	83.5	215.9	244.6	233.1
Req'd S.M. in ²	535	1143	1530	1342				
Furn. S.M. in ²	744	1307	1683	1495				

STRESS TABLE (Interior Girders - Composite)

	MOMENTS (Ft-Kips)				SHEARS (Kips)									
	Span 2	Span 3	Span 4		Pier 1	23' Rt. of Pier 1	28' Lt. of Pier 2	Pier 2	Pier 2	28' Rt. of Pier 2	28' Lt. of Pier 3	Pier 3	28' Rt. of Pier 3	20' Lt. of E. Abut.
D.L.	490	400	460											
COMPOSITE SECTION MAX. MOMENT														
S.D.L.	175	160	150		15.0	8.0	8.0	16.0	16.0	8.0	8.0	15.0	15.0	9.0
L.L.	850	835	732		48.8	37.8	37.3	47.3	47.3	37.0	36.2	46.6	47.3	44.3
Impact	229	225	228		14.2	10.2	10.7	12.7	12.7	10.0	9.8	13.4	14.7	13.7
Total	1254	1220	1110		78.0	56.0	56.0	76.0	76.0	55.0	54.0	75.0	77.0	67.0

APPROVED
FOR STRUCTURAL ACCOUNT ONLY
Engineer of Bridge & Viable Structures
9-15-67



BEARING STIFFENERS

INTERMEDIATE STIFFENERS AND CONNECTION PLATES

DESIGNED BY: P.X.
DRAWN BY: J.C.S.
CHECKED BY: A.T.
APPROVED BY: K.A.

USER NAME	- ronald.woodshank	DESIGNED	- RW	REVISED	-
		DRAWN	- RW	REVISED	-
PLOT SCALE	- SCALES	CHECKED	- YP	REVISED	-
PLOT DATE	- 7/14/2025	DATE	- 2/21/2024	REVISED	-

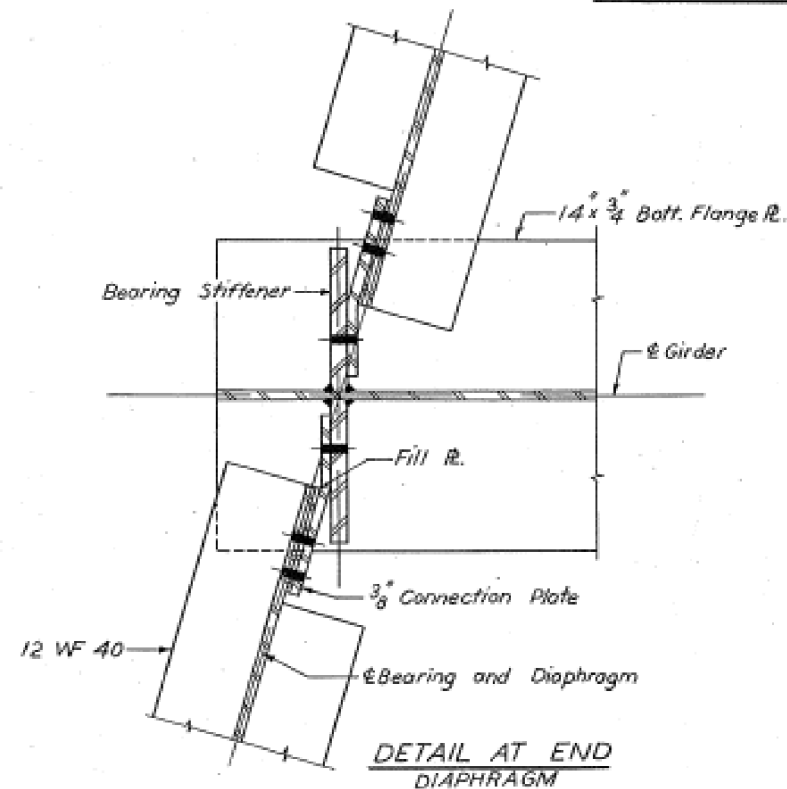
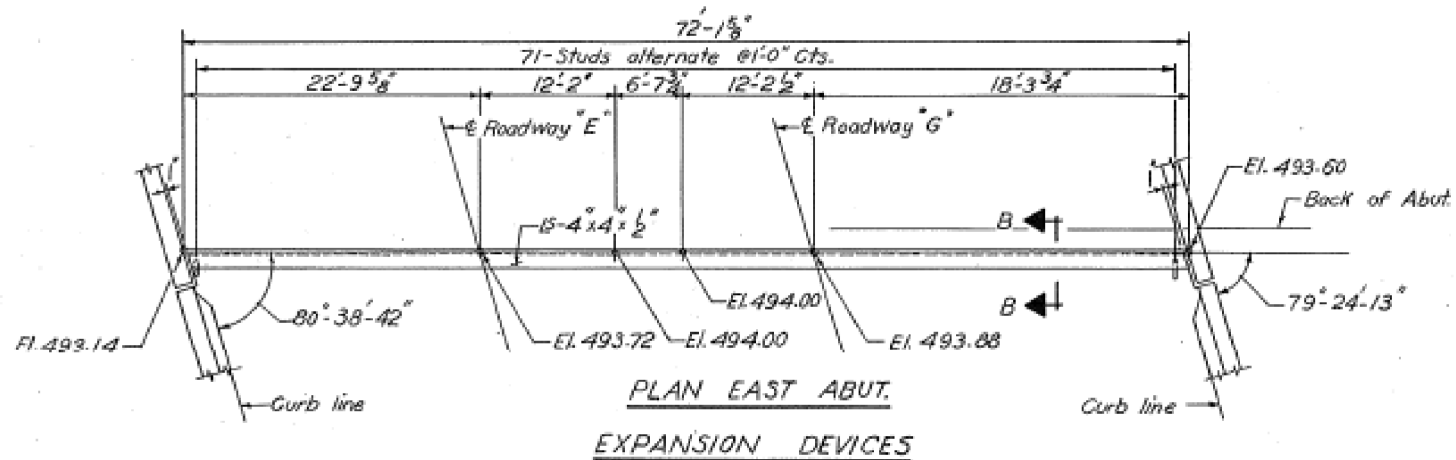
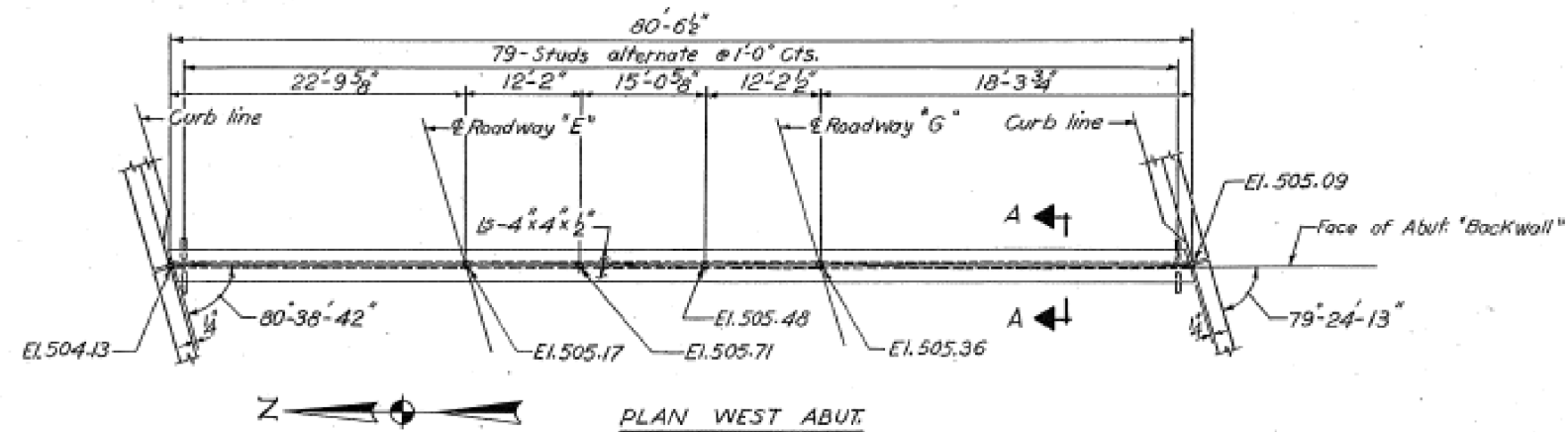
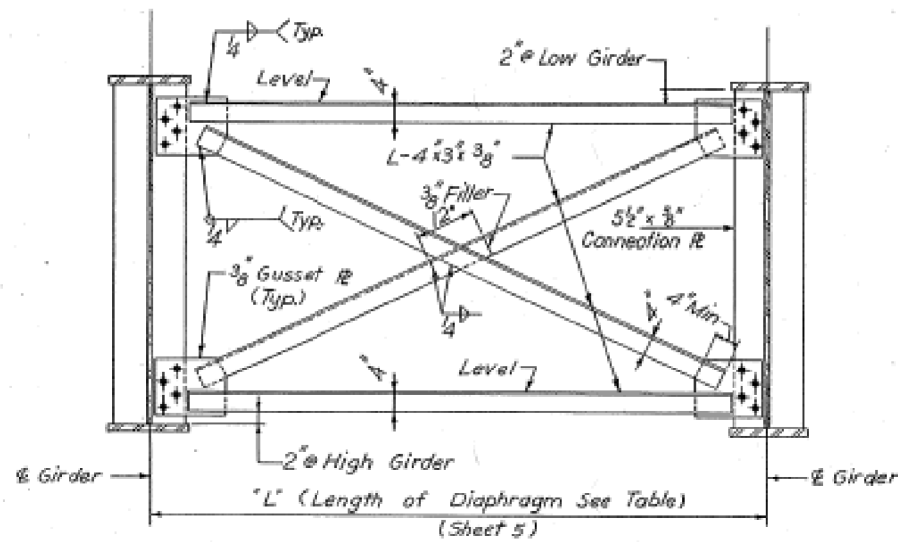
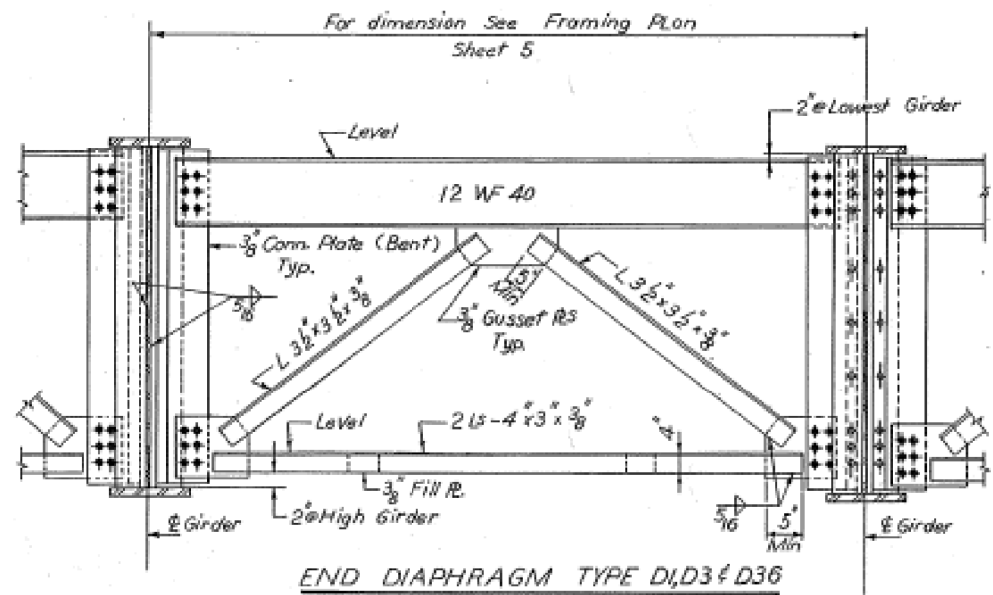
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
CONTRACT NO. 66R92				ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A.I.-180	06-2HVB	BUREAU	103	52
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT	



DESIGNED BY: P.Y.
 DRAWN BY: J.J.
 CHECKED BY: A.T.
 APPROVED BY: K.A.

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 9-15-67
 Engineer of Bridges & Traffic Structures

BRIDGE NO. 11			
STATE OF ILLINOIS			
DEPARTMENT OF PUBLIC WORKS & BLDGS			
DIVISION OF HIGHWAYS			
STEEL DETAILS			
ROADWAY "E" OVER			
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.			
STATION 660+29.03			
E.A.I. RT. 180	BUREAU COUNTY	SECTION 06-2HV	
H. W. LOCHNER, INC. ENGINEERS CHICAGO, ILLINOIS			SHEET 7 of 1

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
PLOT SCALE = 3/4" = 1'-0"	DRAWN - RW	REVISED -
PLOT DATE = 7/14/2025	CHECKED - YP	REVISED -
	DATE - 2/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

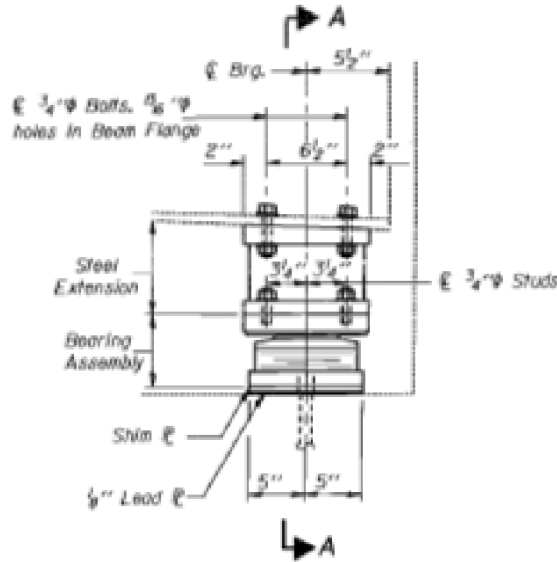
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
CONTRACT NO. 66R92				
ILLINOIS FED. AID PROJECT				

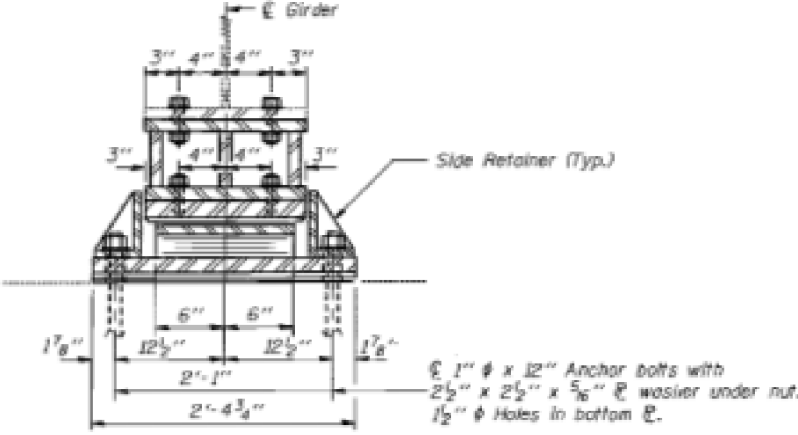
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 180	A	180	277	200A
FILE NAME: c:\pwworking\woodshank\13737616892.dgn				

• 06-1 & 06-2DRS-2 &
06-2-L 06-3, 78-DRS-1
• BUREAU & PUTNAM



ELEVATION AT EAST ABUTMENTS

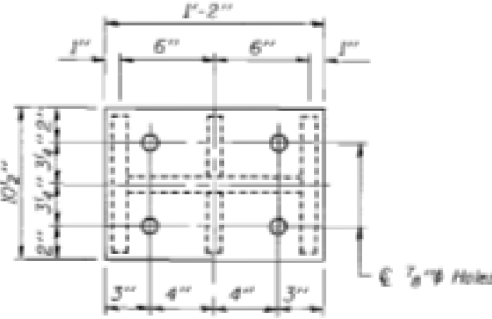


SECTION A-A

GIRDER REACTIONS

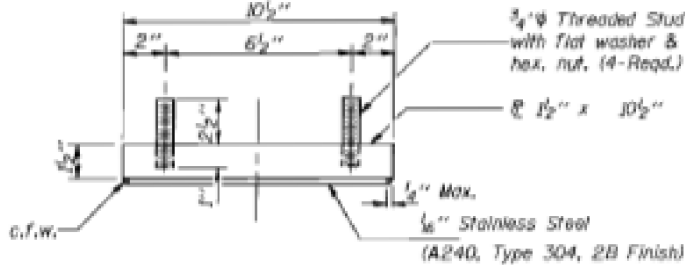
R ₂	(K)	38.4
R ₁	(K)	46.8
Imp.	(K)	11.0
R (Total)	(K)	97.2

Notes: Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".
New steel extensions, side retainers, shim &'s, connection bolts, anchor bolts and lead plates are included in "Furnishing and Erecting Structural Steel".
See Sheet 11 of 11 for Anchor Bolt Installation.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. Jack capacity = 75 Tons.

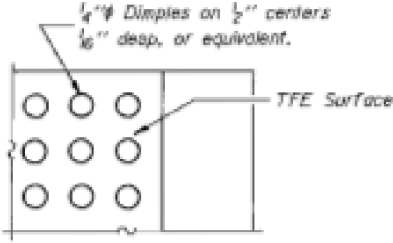


PLAN TOP AND BOTTOM PLATE

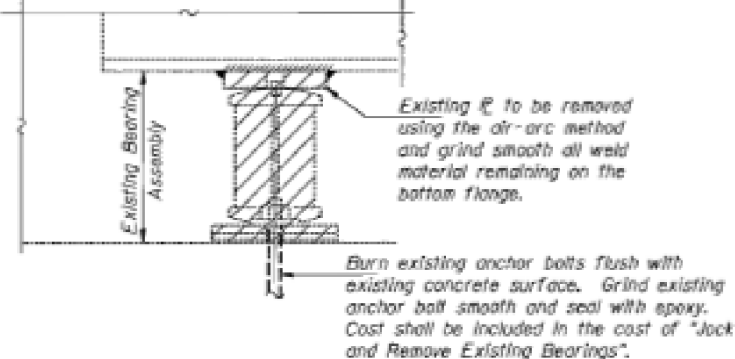
TYPE II TFE ELASTOMERIC EXP. BRG.



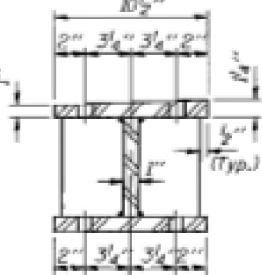
TOP BEARING ASSEMBLY



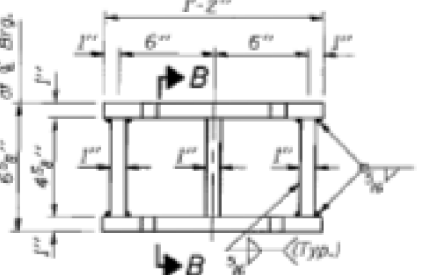
PLAN-TFE SURFACE



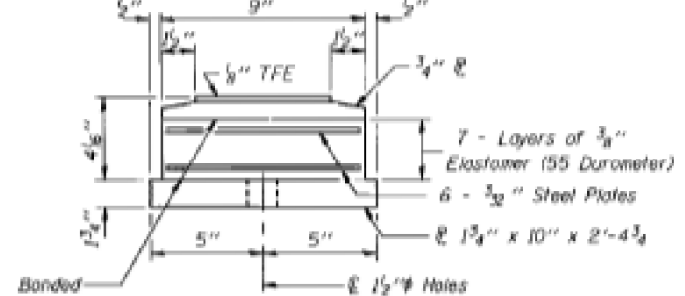
EXISTING BEARING REMOVAL DETAIL



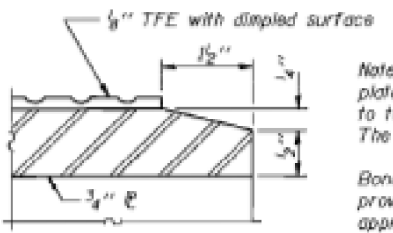
SECTION B-B



STEEL EXTENSION DETAIL

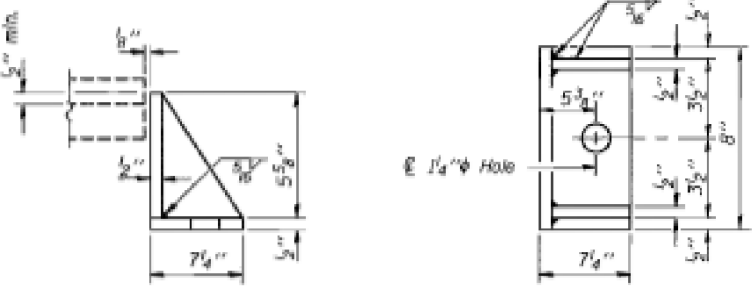


BOTTOM BEARING ASSEMBLY



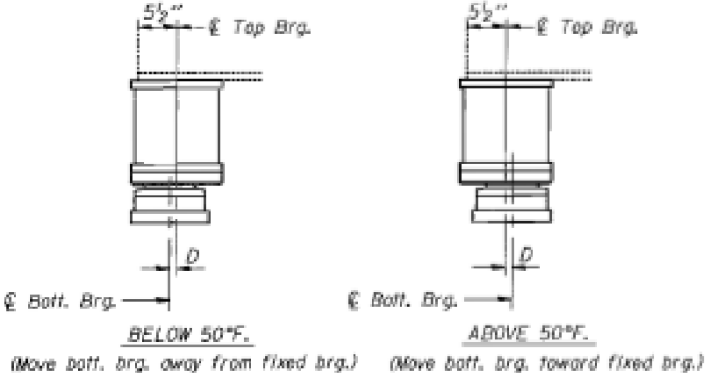
SECTION THRU TFE

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



SIDE RETAINER

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



SETTING ANCHOR BOLTS AT EXP. BRG.

$D = \frac{1}{8}$ " per each 100" of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	10
Jack and Remove Existing Bearings	Each	10
Furnishing and Erecting Structural Steel	Pound	2130

EAST ABUTMENT
TYPE II BEARING REPLACEMENT
F.A.I. ROUTE 180 SECTION 06-2HVB
BUREAU COUNTY
STRUCTURE NO. 006-0058

DESIGNED	R.J.C.	APRIL 27, 1999
CHECKED	K.P.S.	EXAMINED John A. Morris
DRAWN	S.M.S.	PASSED
CHECKED	R.J.C. K.P.S.	CHIEF OF BRIDGES AND STRUCTURES

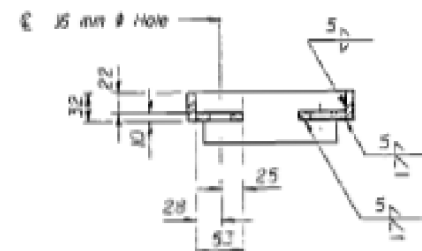
USER NAME	= ronald.woodshank	DESIGNED	= RW	REVISED	=
PLOT SCALE	= SCALES	DRAWN	= RW	REVISED	=
PLOT DATE	= 7/14/2025	CHECKED	= YP	REVISED	=
		DATE	= 2/21/2024	REVISED	=

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

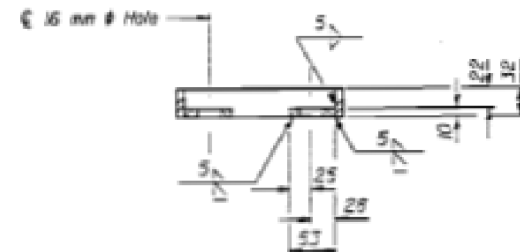
GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY

SCALE:	SHEET 6 OF 7 SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
				CONTRACT NO. 66R92
		ILLINOIS	FED. AID PROJECT	

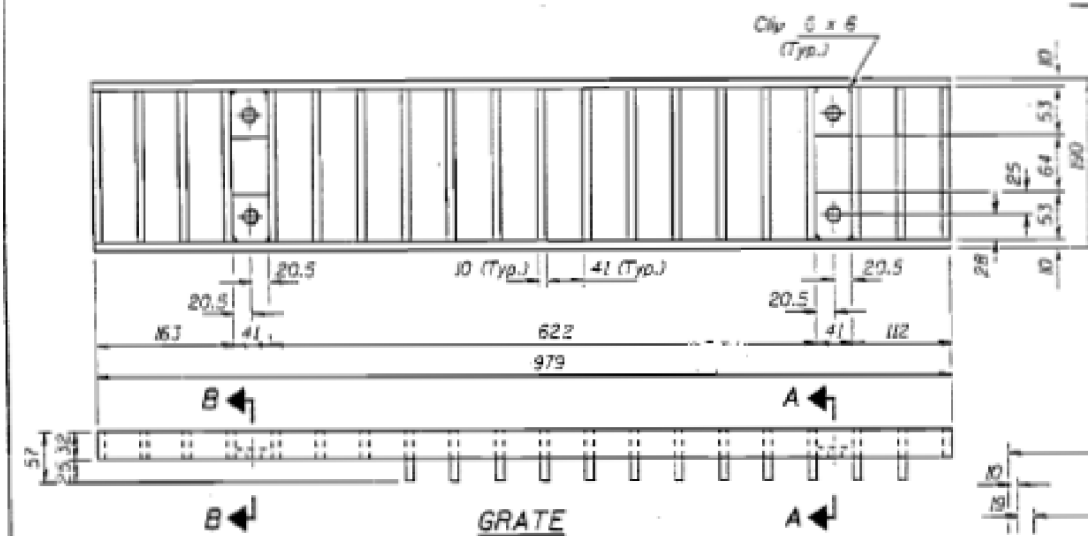


SECTION A - A



SECTION B-B

*Cut to 38 mm as shown in Section F-F.



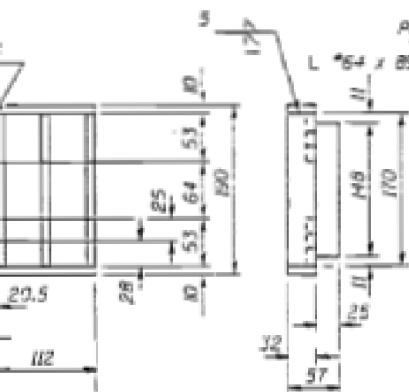
Notes: Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500 Grade B, or A 501 Structural Steel Tubing.
All other shapes, plates and bars shall conform to the requirements of AASHTO M 270W Grade 250.
Bolts, studs, washers and nuts shall conform to the requirements of ASTM A 307.
The Grate, Frame and Downspout shall be galvanized after shop fabrication according to AASHTO M 111 & ASTM A 385.
All bolts, washers and nuts shall be galvanized according to AASHTO M 232.
Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scooper will be paid for at the unit bid price each for "DRAINAGE SCOPPERS."
All dimensions are in millimeters (mm) except as noted.

DESIGNED
CHECKED
DRAWN
CHECKED

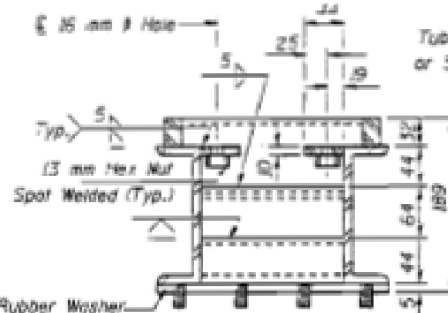
EXAMINED _____
CHIEF OF BUREAU OF FIRE PREVENTION

PASSED _____
CHIEF OF BUREAU OF FIRE PREVENTION

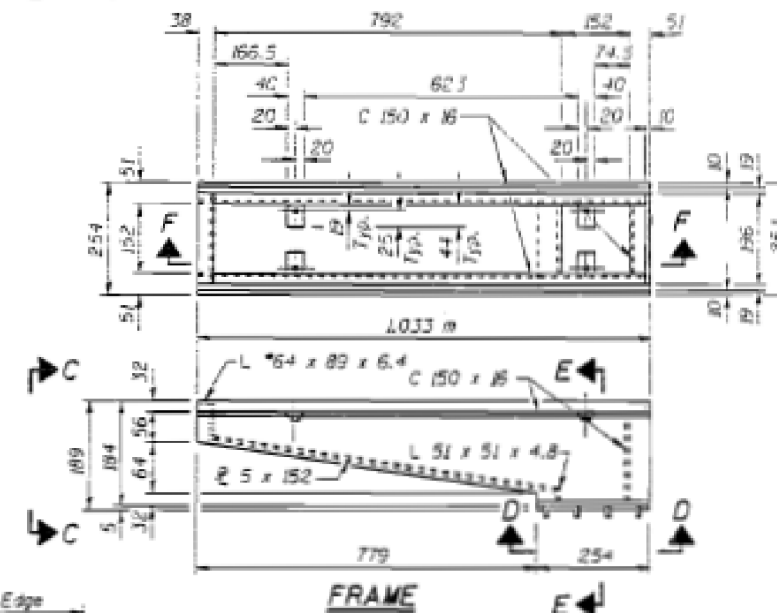
DS-3 (M) 4-30-97 (W.T. to inside of exterior stringer flange shall not be > 1.2 in)



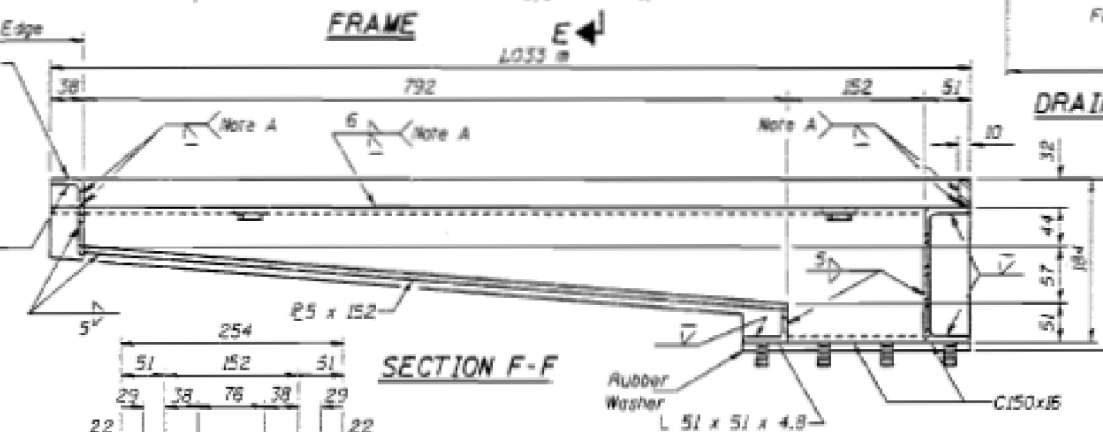
VIEW C-C



SECTION E-E

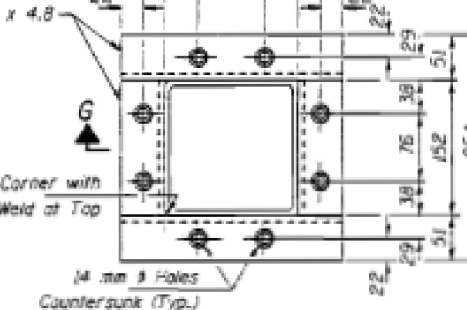


FRAME

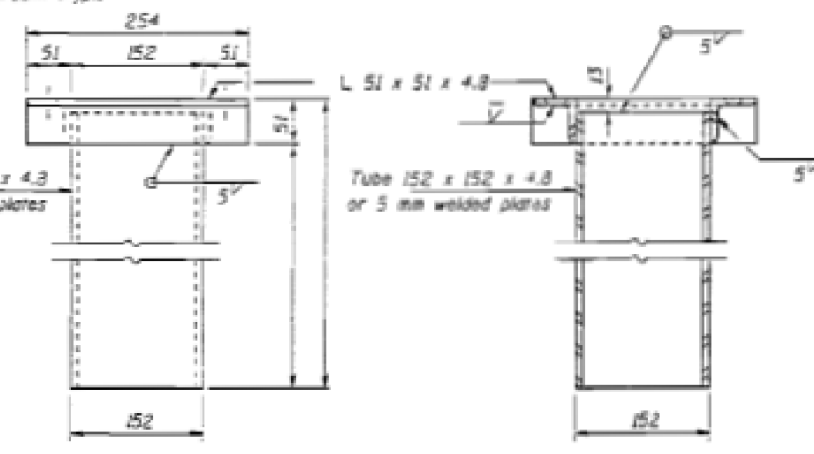


SECTION F-1

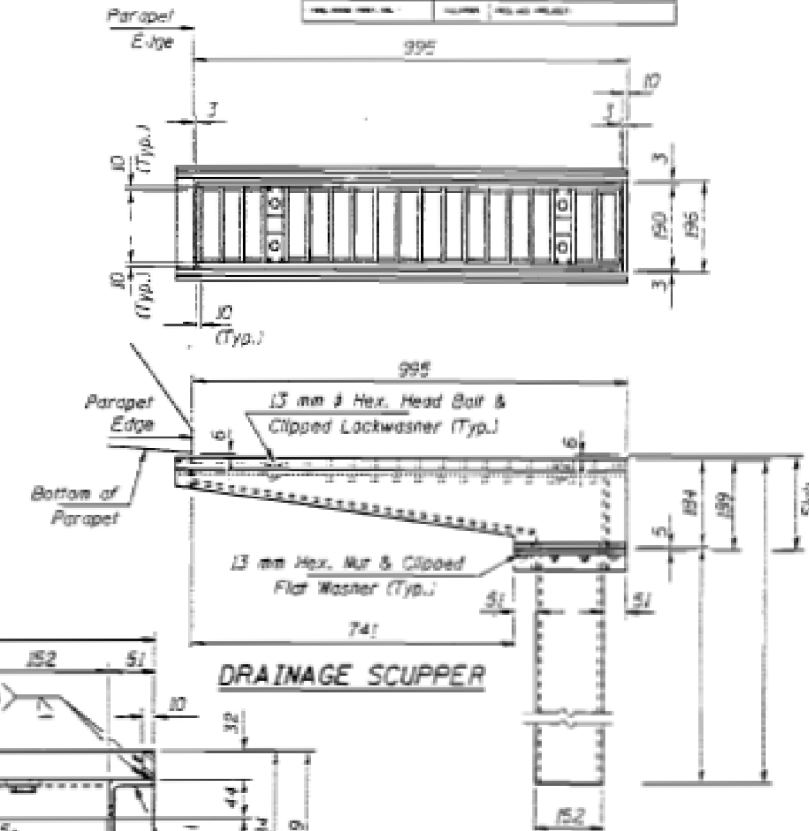
Note A₁: Surface of welds shall be recessed 2 mm Max. or placed flush with inside face of bars to provide clearance for Grate.



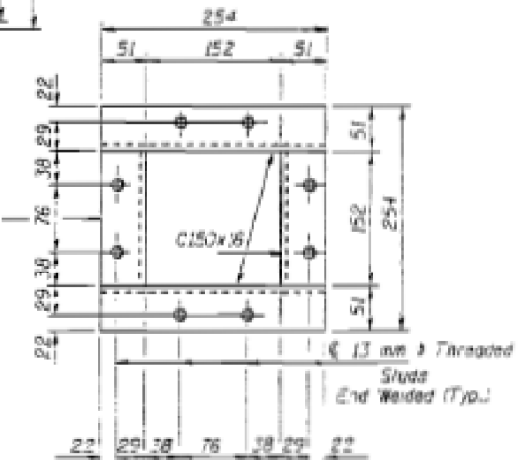
DOWNSPOUT



SECTION G-G



DRAINAGE SCUPPER



VIEW D-D

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Grainoat Soup	Box	4

(Sheet 1 of 2)
STEEL DRAINAGE SCUPPER
FAI RTE 180, SEC 06-2HVB
BUREAU COUNTY
SN 006-0058

USER NAME = ronald.woodshank	DESIGNED - RW
	DRAWN - RW
PLOT SCALE = \$\$SCALE\$	CHECKED - YP
PLOT DATE = 7/14/2025	DATE - 2/21/2024

DESIGNED - RW	REVISED -
DRAWN - RW	REVISED -
CHECKED - YP	REVISED -
DATE - 2/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0058 (WB)
FOR INFORMATION ONLY**

SCALE:	SHEET 7	OF 7	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
		CONTRACT NO. 66R92		
	ILLINOIS	FEED AND PROJECT		