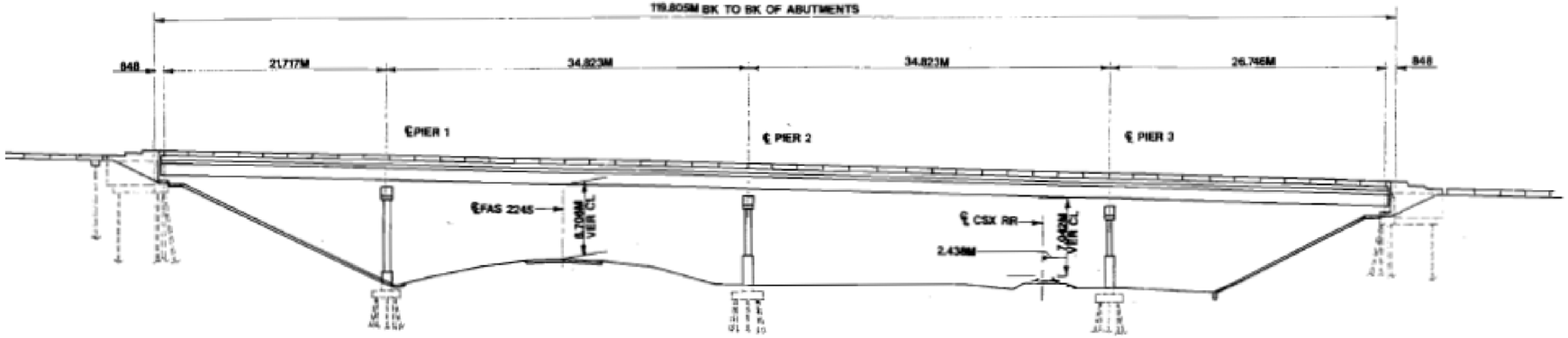
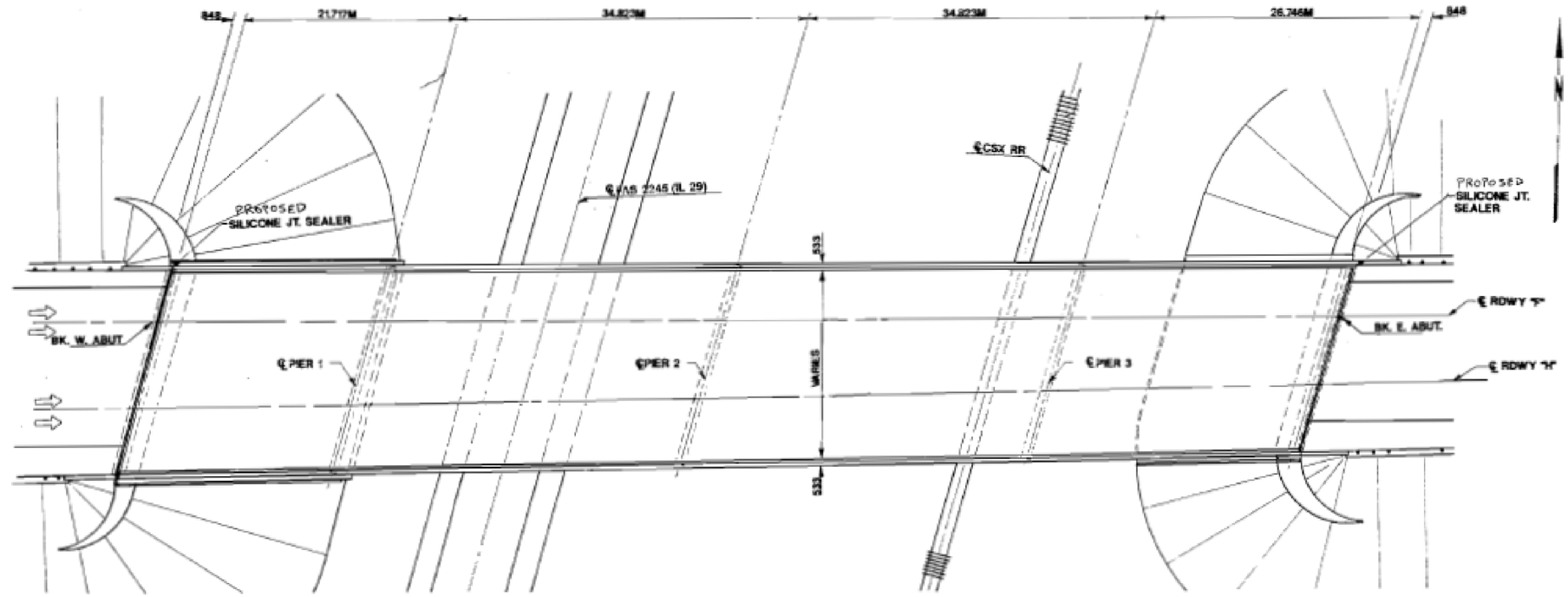
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 180	*	*	277	244
PROJ. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

*[06-1]RS-2 & [06-2]RS-2 & [06-2-L06-3.7S-1]RS-1
★ BUREAU & PUTNAM

SHEET NO. 1
ft SHEETS



ELEVATION



PLAN

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-53M 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 FLANGES 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/ACRYLIC 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 4/8. 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
REINFORCEMENT BARS, EPOXY CTD.	KG	1045
BIT. CONCRETE REMOVAL (DECK)	SQ. M.	2368
CONC. BR. DK. SCAR. (15MM)	SQ. M.	2335
BR. DK. MICRO. CON. OVERLAY	SQ. M.	2335
BR. DECK GROOVING	SQ. M.	2335
CONCRETE REMOVAL	CU. M.	19.6
CONCRETE SUPERSTRUCTURE	CU. M.	20.7
BAR SPLICERS	EACH	36
DECK SLAB REP. (PART.)	SQ. M.	10.0
DECK SLAB REP. (FD-T1)	SQ. M.	4.0
F & F STRUCT. STEEL	KG	3430
SILICONE JOINT SEALER	METER	43
JACK & REM. EX. BEARINGS	EACH	10
DRAINAGE SCUPPERS	EACH	4
ELAST. BEARING ASSY. T II	METER	10
POLYMER CONCRETE	CU.M.	0.20
Deck Slab Repair (FD-T2)	SQ.M.	4.8

GENERAL PLANS
FAI RTE 180, SEC. 06-2HVB
BUREAU COUNTY
SN 006-0057

DISTRICT NO. 2 DIXON

DESIGNED
DRAWN — DATE
CHECKED — SCALE

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	DRAWN - RW	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - YP	REVISED -	
PLOT DATE = 7/14/2025	DATE - 2/21/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

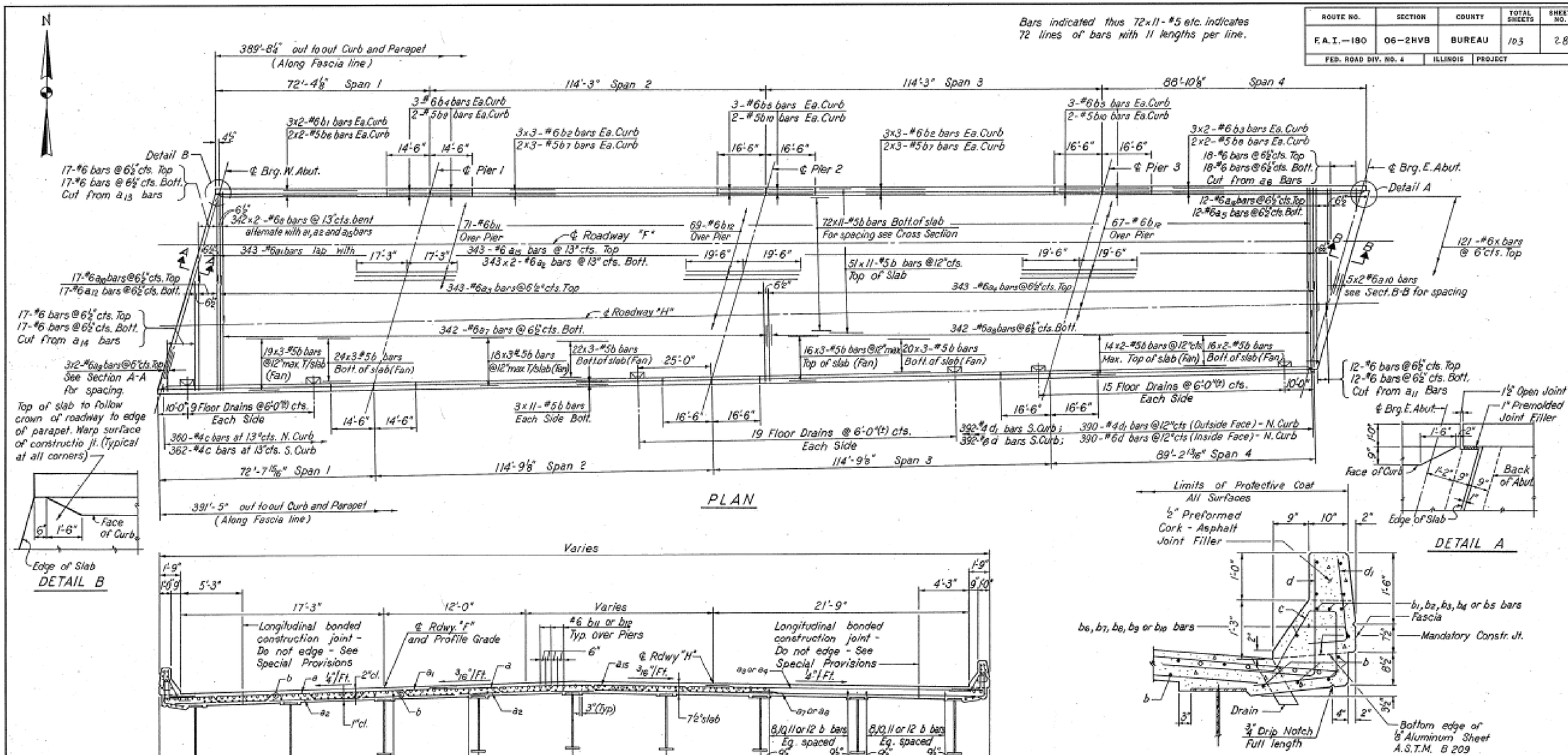
GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0057 (EB)
FOR INFORMATION ONLY

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	(06-2HVB)SCR	BUREAU	23	11
		CONTRACT NO. 66P28		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—180	06—2HVB	BUREAU	103	2.8
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

Bars indicated thus 72x11-#5 etc. indicates 72 lines of bars with 11 lengths per line.



Typical from Sta. 665+97.90 to Sta. 668+26.24
For Cross Slopes from Sta. 664+33.18 to Sta. 665+97.90 see Transition Plan Sheet No. 3

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 see Sheet 3
All transverse reinforcement to be placed perpendicular to north fascia.

All clearances shall be 1½" unless shown otherwise.
Min. bar laps = 20 dia.
Floor Drains shall be located clear of all diaphragms and piers.
For Table of Elevations see Sheets 15, 16 and 17.

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

Cost of Aluminum Sheets ℄ Drains shall be incidental to class X concrete.

BRIDGE NO. 10

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
SUPERSTRUCTURE
ROADWAY "F" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P. R.R.
STATION 666+21.46
F.A.I. RT. 180 BUREAU COUNTY SECTION 06—2HVB

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

SHEET 2 OF 19

DESIGNED BY P.X.
DRAWN BY T.L.
CHECKED BY A.T.
APPROVED BY K.A.

MODEL: Default
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	DRAWN - RW	REVISED -
PLOT SCALE = $SCALES	CHECKED - YP	REVISED -
PLOT DATE = 7/14/2025	DATE - 2/21/2024	REVISED -

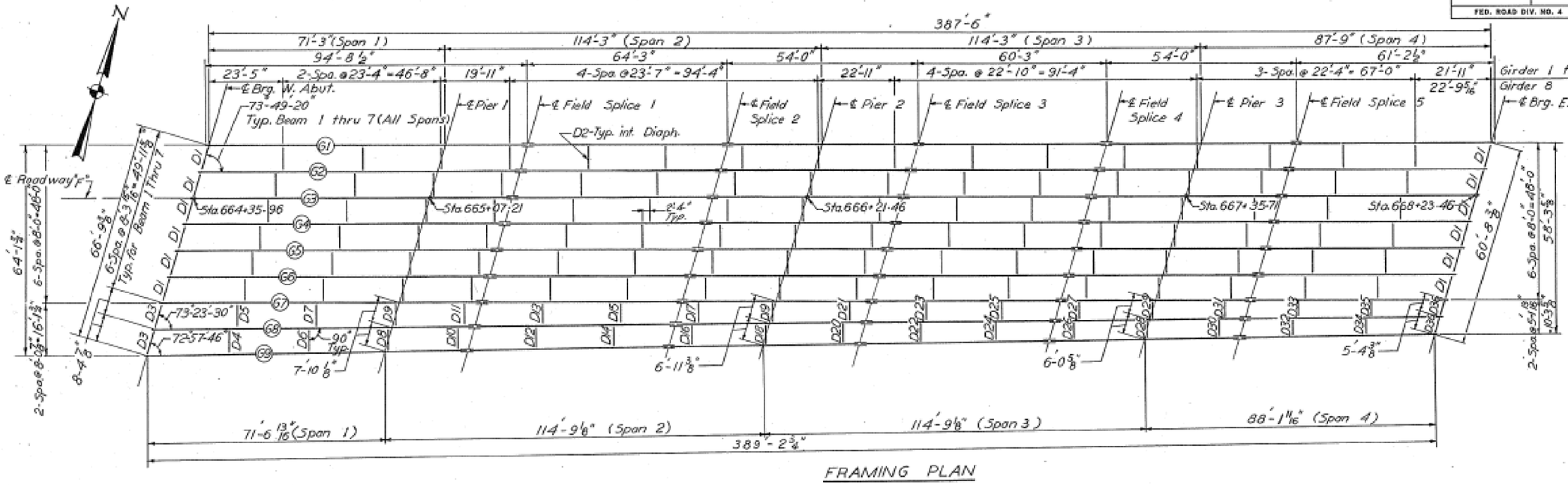
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0057 (EB)
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			

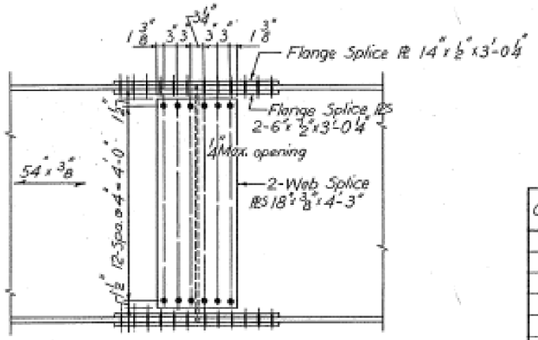
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—180	06—2HVB	BUREAU	103	31
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

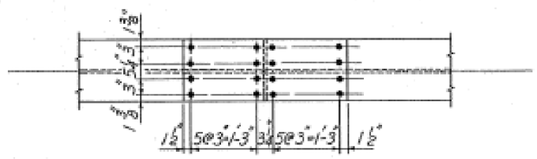


FRAMING PLAN

TABLE OF DIAPHRAGMS

MARK	Length "L" ℄ to ℄ Girder	NO. Req'd
D1	8'-3 15/16"	12
D2	8'-0"	96
D3	8'-4 7/8"	2
D4	7'-10 1/16"	1
D5	7'-10 9/16"	1
D6	7'-8 1/16"	1
D7	7'-8 7/16"	1
D8	7'-6 1/4"	1
D9	7'-6 3/8"	1
D10	7'-4 1/16"	1
D11	7'-4 9/16"	1
D12	7'-2 1/16"	1
D13	7'-2 7/16"	1
D14	7'-0 3/16"	1
D15	7'-0 5/16"	1
D16	6'-10 1/16"	1
D17	6'-10 5/16"	1
D18	6'-8"	1
D19	6'-8 1/16"	1
D20	6'-5 15/16"	1
D21	6'-6"	1
D22	6'-3 7/8"	1
D23	6'-3 15/16"	1
D24	6'-1 13/16"	1
D25	6'-1 7/8"	1
D26	5'-11 3/4"	1
D27	5'-11 13/16"	1
D28	5'-9 3/4"	1
D29	5'-9 3/4"	1
D30	5'-7 11/16"	1
D31	5'-7 3/4"	1
D32	5'-5 11/16"	1
D33	5'-5 3/4"	1
D34	5'-3 11/16"	1
D35	5'-3 11/16"	1
D36	5'-4 3/8"	2



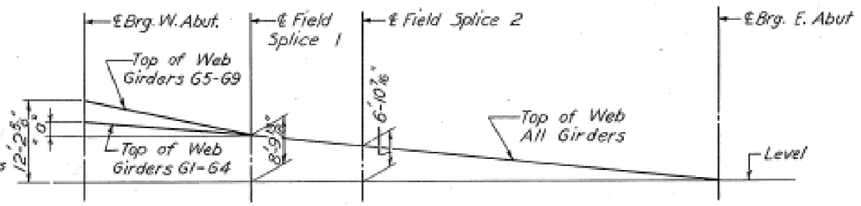


FIELD SPLICE DETAIL
No. Req'd 45

Note: H.S. Bolt Spacing in Flange Splices to be increased as required where Stiffener occurs
⅞" ø H.S. Bolts in all web splices.
⅞" ø H.S. Bolts in all Flange splices
Fill Plates required on top Flanges of Field Splice Nos. 2, 3, 4 & 5

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

Girder	℄ Brg. W. Abut	℄ Pier 1	℄ Field Splice 1	℄ Field Splice 2	℄ Pier 2	℄ Field Splice 3	℄ Field Splice 4	℄ Pier 3	℄ Field Splice 5	℄ Brg. E. Abut
G1	502.85	501.05	500.47	498.52	497.71	496.90	495.09	494.28	493.47	491.65
G2	503.32	501.35	500.71	498.76	497.95	497.14	495.33	494.52	493.71	491.89
G3	503.77	501.63	500.94	498.99	498.18	497.37	495.56	494.75	493.94	492.12
G4	504.21	501.89	501.14	499.19	498.38	497.57	495.76	494.95	494.14	492.32
G5	504.61	502.04	501.21	499.26	498.45	497.64	495.83	495.02	494.21	492.39
G6	504.55	501.98	501.15	499.20	498.39	497.58	495.77	494.96	494.15	492.33
G7	504.47	501.90	501.07	499.12	498.31	497.50	495.69	494.88	494.07	492.25
G8	504.40	501.83	501.00	499.05	498.24	497.43	495.62	494.81	494.00	492.18
G9	504.32	501.75	500.92	498.97	498.16	497.35	495.54	494.73	493.92	492.10



FABRICATION DIAGRAM
All Girders

Girder	Dimension "a"
G1	2'-4 9/16"
G2	2'-7 5/16"
G3	2'-9 15/16"
G4	3'-0 13/16"

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

BRIDGE NO. 10
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BLDGS.
DIVISION OF HIGHWAYS
FRAMING PLAN
ROADWAY "F" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P. R.R.
STATION 666+21.46
F.A.I. RT. 180 BUREAU COUNTY SECTION 06-2HVB
H. W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS
SHEET 5 OF 19

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

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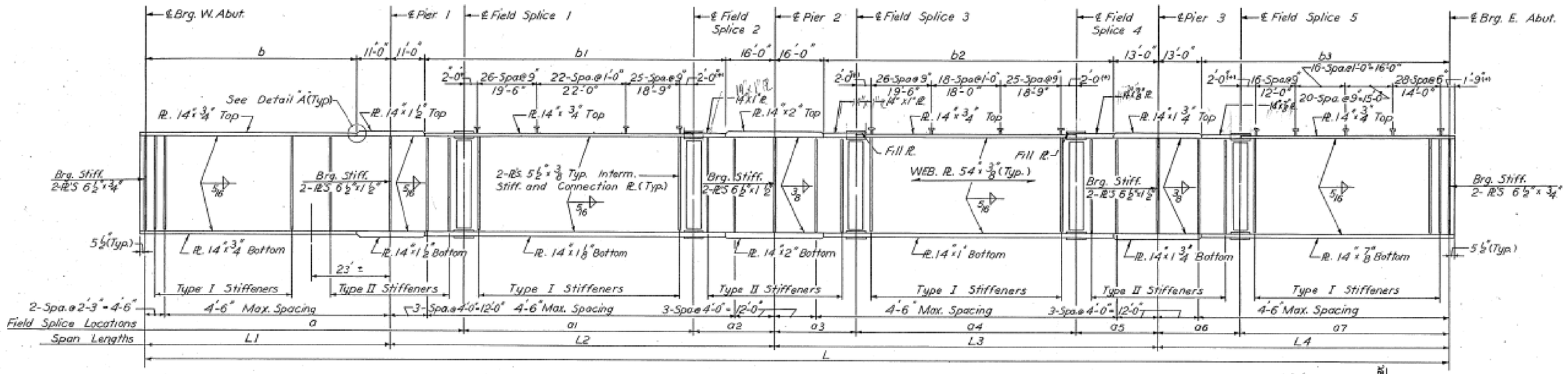
PLOT SCALE = $SCALES	CHECKED - YP	REVISED -
PLOT DATE = 7/14/2025	DATE - 2/21/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0057 (EB)
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		

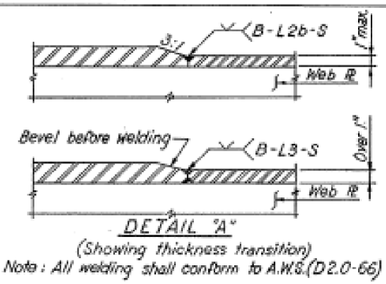
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—180	06—2HV8	BUREAU	103	32
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		



GIRDER ELEVATION

Note: Place Stiffeners to Clear Connection Plates, Keeping the min. Stiffener Spacing.

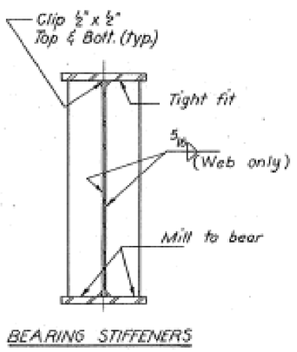
GIRDER	L	L1	L2	L3	L4	a	a1	a2	a3	a4	a5	a6	a7	b	b1	b2	b3
G1 Thru G7	387'-6"	71'-3"	114'-3"	114'-3"	87'-9"	94'-3"	64'-3"	27'-0"	27'-0"	60'-3"	27'-0"	27'-0"	60'-9"	60'-3"	87'-3"	85'-3"	74'-9"
G8	388'-4 5/16"	71'-4 1/8"	114'-6 1/16"	114'-6 1/16"	87'-11 5/16"	94'-5 1/2"	64'-4 3/4"	27'-0 11/16"	27'-0 11/16"	60'-4 11/16"	27'-0 11/16"	27'-0 11/16"	60'-10 5/8"	60'-4 7/8"	87'-6 1/16"	85'-6 1/16"	74'-11 5/16"
G9	389'-2 3/4"	71'-6 13/16"	114'-9 1/8"	114'-9 1/8"	88'-1 11/16"	94'-8 1/16"	64'-6 7/16"	27'-1 7/16"	27'-1 7/16"	60'-6 1/4"	27'-1 7/16"	27'-1 7/16"	61'-0 1/4"	60'-6 13/16"	87'-9 3/8"	85'-9 1/8"	75'-1 11/16"



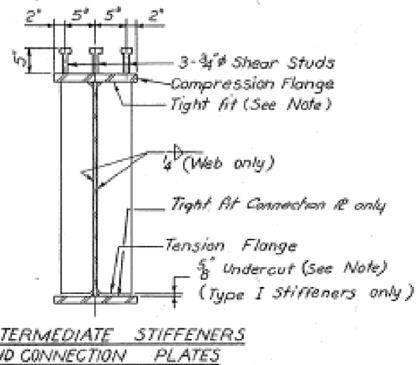
DETAIL "A"
(Showing thickness transition)
Note: All welding shall conform to A.W.S.(D2.0-66)

KEY TO NOTATION

D.L. = Dead Load
S.D.L. = Superimposed dead load acting on Composite Section
L.L. = Live Load
Is = Moment of inertia Steel Section
Srs = Sec. Mod. top Steel Section
Sbs = Sec. Mod. bott. Steel Section
Ic = Moment of inertia comp. Sec.
Src = Sec. Mod. Top comp. Sec.
Sbc = Sec. Mod. bott. comp. Sec.



BEARING STIFFENERS



INTERMEDIATE STIFFENERS AND CONNECTION PLATES

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	E. Abut.
Dead Load	305	1135	1550	1350	28.4	128.3	148.2	140.0	39.3
Live Load	522	639	830	718	43.5	73.1	79.2	75.1	45.5
Impact	183	191	220	202	11.0	16.7	16.5	16.6	10.7
Total	1010	1965	2600	2270	82.9	218.1	243.9	231.7	95.5
Req'd S.M. in³	606	1,179	1560	1,360					
Furn. S.M. in³	744	1307	16.83	1,495					

STRESS TABLE (Interior Girders - Composite)

	MOMENTS (Ft.-Kips)			SHEARS (Kips)										
	Span 2	Span 3	Span 4	Pier 1 Right	25' Rt. of Pier 1	29' Lt. of Pier 2	Pier 2 Left	Pier 2 Right	29' Rt. of Pier 2	29' Lt. of Pier 3	Pier 3 Left	Pier 3 Right	29' Rt. of Pier 3	20' Lt. of E. Abut	E. Abut Left
	STEEL SECTION MAX. MOMENT														
D.L.	500	400	465	130	9.0	9.0	16.0	17.0	8.0	8.0	15.0	15.0	9.0	4.0	9.0
	COMPOSITE SECTION MAX. MOMENT														
S.D.L.	185	170	150	45.4	37.1	33.5	47.5	47.5	36.4	32.0	45.2	45.6	30.4	32.3	42.0
L.L.	857	838	734	13.6	9.9	11.5	12.5	12.5	9.6	10.0	12.8	14.4	9.6	9.7	14.0
Impact	228	222	226	72.0	56.0	54.0	76.0	77.0	54.0	50.0	73.0	75.0	49.0	46.0	65.0
Total	1270	1230	1110												

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Engineer of Bridge & Traffic Structures
9-15-67

PROPERTIES

	STEEL SECTION		COMPOSITE SECTION	
Span 2	Is	24,290 in⁴	Ic	55,050 in⁴
	Srs	786 in³	Src	2,944 in³
	Sbs	973 in³	Sbc	1,246 in³
Span 3	Is	23,161 in⁴	Ic	51,600 in⁴
	Srs	774 in³	Src	2,873 in³
	Sbs	897 in³	Sbc	1,152 in³
Span 4	Is	21,955 in⁴	Ic	48,036 in⁴
	Srs	760 in³	Src	2,794 in³
	Sbs	821 in³	Sbc	1,057 in³

NOTES:

Type I Stiffeners shall fit tight at the top flange and be undercut 5/8" at the bottom flange.
Type II Stiffeners shall fit tight at the bottom flange and be undercut 5/8" 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 6,075
Estimated Weight 3,830 Lbs.

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

BRIDGE NO. 10

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

GIRDER DETAILS

ROADWAY "F" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.

STATION 666+21.46

F.A.I. RT. 180 BUREAU COUNTY SECTION 06—2HV8

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

SHEET 6 OF 19

MODEL: Default
FILE NAME: c:\pw_work\pwkdot\woodshank\d1139763\d66R92.dgn

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PLOT SCALE = $SCALE$	CHECKED - YP	REVISED -
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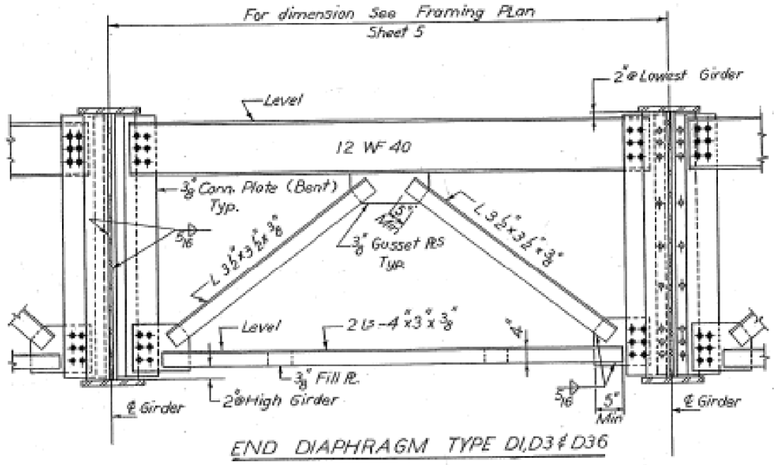
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0057 (EB)
FOR INFORMATION ONLY

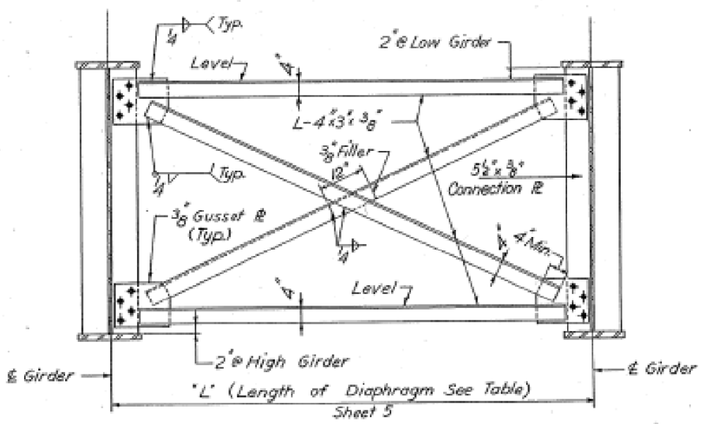
SCALE: | SHEET 4 OF 7 SHEETS | STA. | TO STA.

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.
F.A.I.—180	06—2HVB	BUREAU	183	33
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT		

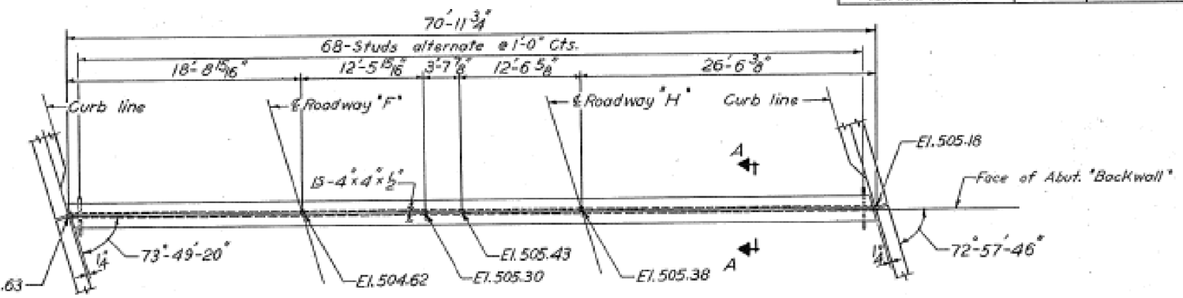


END DIAPHRAGM TYPE D1,D3 & D36

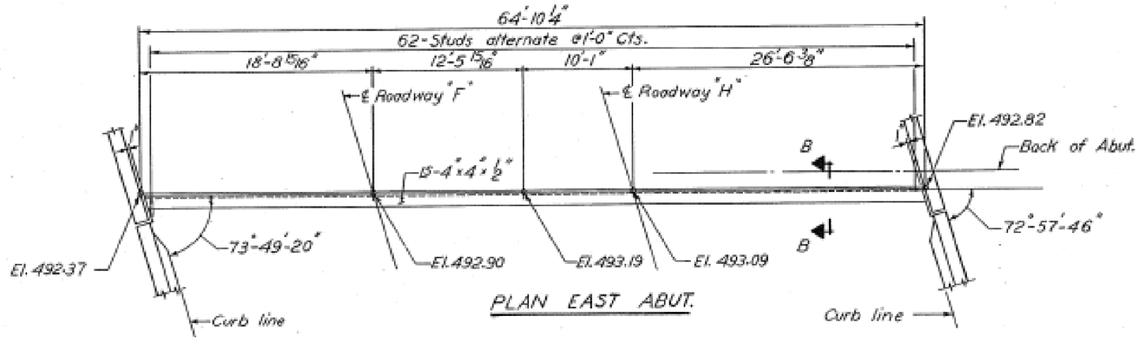


INTERMEDIATE DIAPHRAGM TYPE D2 & D4 THRU D35

Note: All H.S. Bolts ¾"ϕ

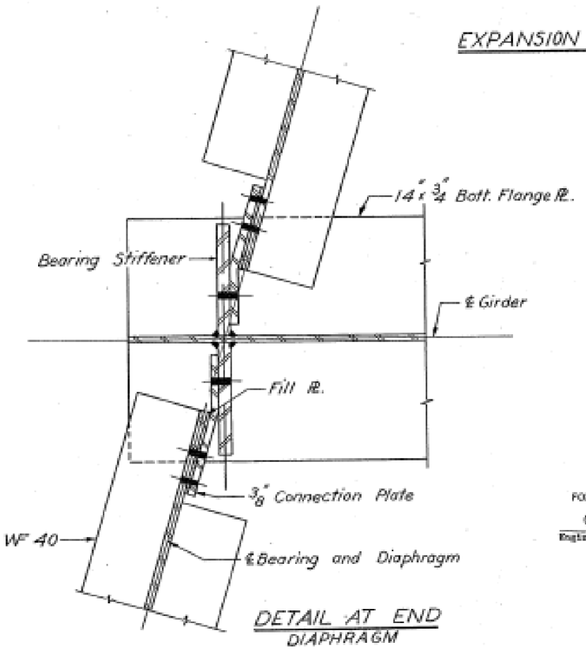


PLAN WEST ABUT.



PLAN EAST ABUT.

EXPANSION DEVICES



DETAIL AT END DIAPHRAGM

Note:
For Section A-A & B-B see Sheet 3.

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

BRIDGE NO. 10

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

STEEL DETAILS

ROADWAY "F" OVER
ILLINOIS ROUTE 29 AND C.R.I. & P.R.R.

STATION 666+21.46

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

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

SHEET 7 of 19

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

MODEL: Default
FILE NAME: c:\pw_work\pwidot\woodshank\d1139763\66R92.dgn

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	
	DRAWN - RW	REVISED -	
PLOT SCALE = $SCALE$	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. 006-0057 (EB)
FOR INFORMATION ONLY

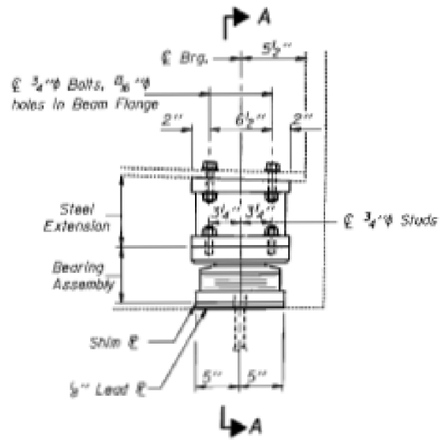
SCALE: | SHEET 5 OF 7 SHEETS | STA. | TO STA.

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			

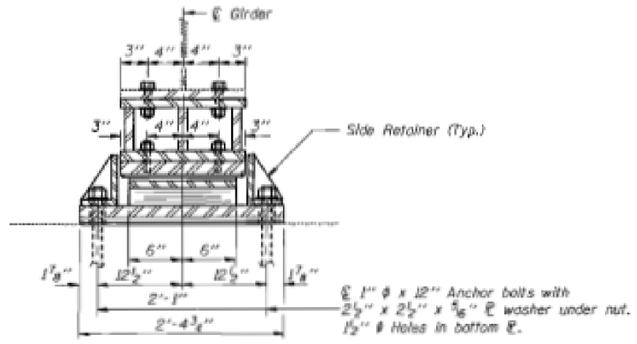
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

					SHEET NO. 7
FAI 180	*	**	277	250	11 SHEETS

* 106-1 & 06-2IRS-2 & 106-2-1, 06-3, 78-IRS-1
** BUREAU & PUTNAM



ELEVATION AT EAST ABUTMENT

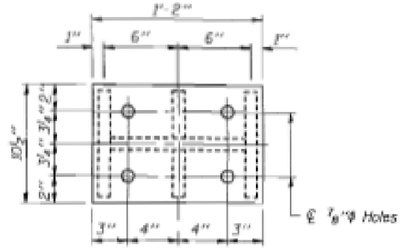


SECTION A-A

GIRDER REACTIONS

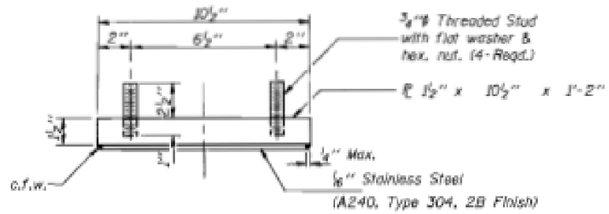
R℄	(K)	39.3
R℄	(K)	45.5
Imp.	(K)	10.7
R (Total)	(K)	95.5

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.

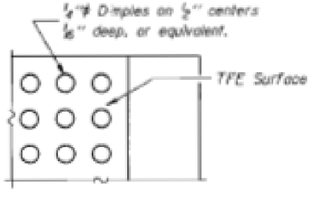


PLAN TOP AND BOTTOM PLATE

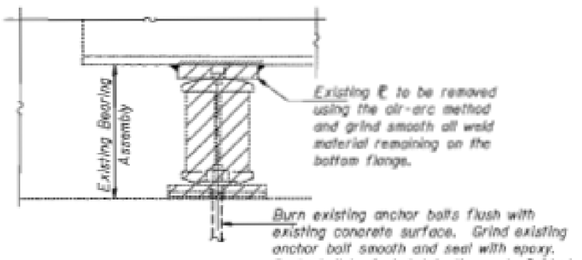
TYPE II TFE ELASTOMERIC EXP. BRG.



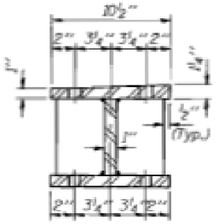
TOP BEARING ASSEMBLY



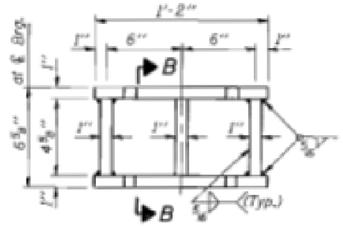
PLAN-TFE SURFACE



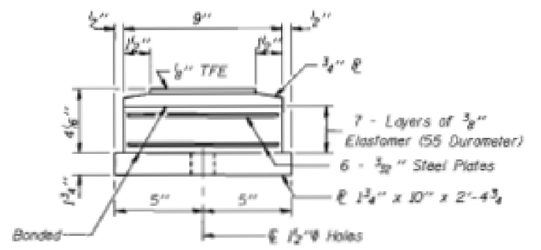
EXISTING BEARING REMOVAL DETAIL



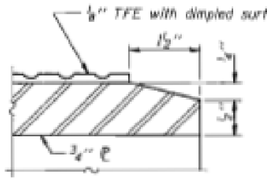
SECTION B-B



STEEL EXTENSION DETAIL



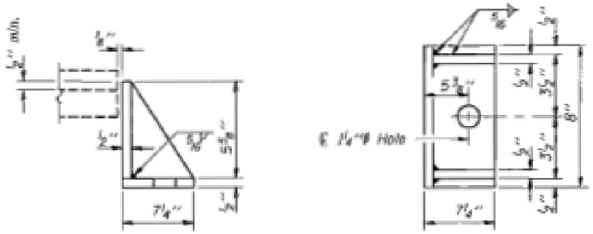
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

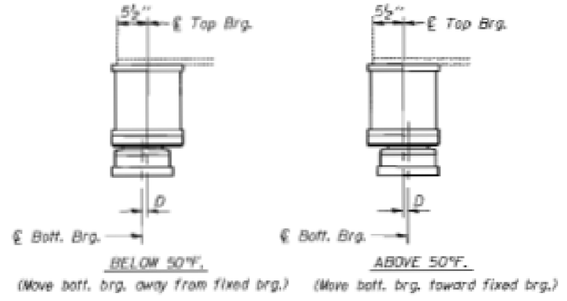
Note: The ⅛" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ⅛" 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.



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=⅛" 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	9
Jack and Remove Existing Bearings	Each	9
Furnishing and Erecting Structural Steel	Pound	1740

DESIGNED	R.J.C.	
CHECKED	K.P.S.	
DRAWN	S.M.S.	
CHECKED	R.J.C.	K.P.S.

APRIL 27, 1999
EXAMINED John A. Morris ENGINEER OF STRUCTURAL SERVICES
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

TYII/REPS 8-03-98

EAST ABUTMENT
TYPE II BEARING REPLACEMENT
F.A.I. ROUTE 180 SECTION 06-2HVB
BUREAU COUNTY
STRUCTURE NO. 006-0057

MODEL: Default
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USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0057 (EB) FOR INFORMATION ONLY	
	DRAWN - RW	REVISED -			
PLOT SCALE = $SCALE$	CHECKED - YP	REVISED -			
PLOT DATE = 7/14/2025	DATE - 2/21/2024	REVISED -		SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.	

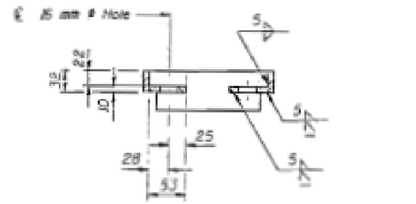
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
180	06(2HB-3, 2HVB)BP	BUREAU	1	1
		CONTRACT NO. 66R92		
		ILLINOIS	FED. AID PROJECT	

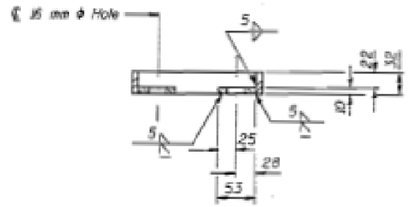
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* (06-2 & 06-1988-2 & (06-2-106-3,78-1)RS-1
& BUREAU & PUTNAM

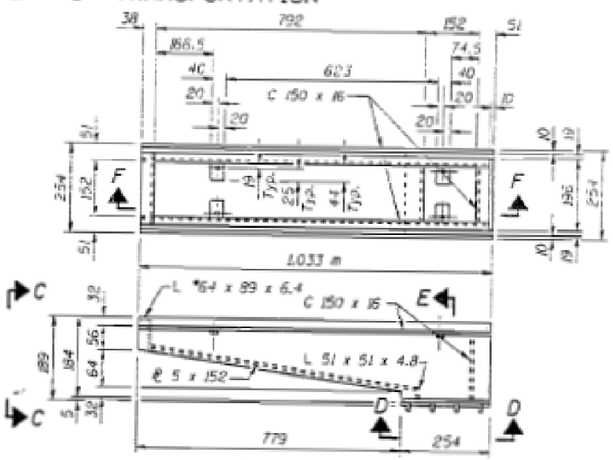
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 180	*	★	277	252
FED. ROAD DIST. NO. 11 ILLINOIS		PROJECT		

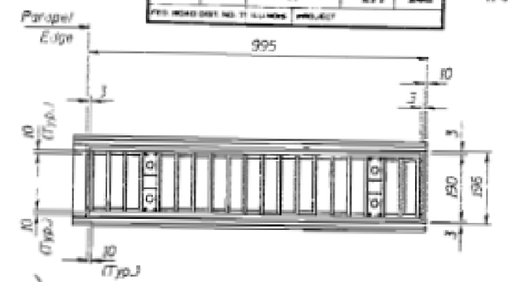
SHEET NO. 9
11 SHEETS

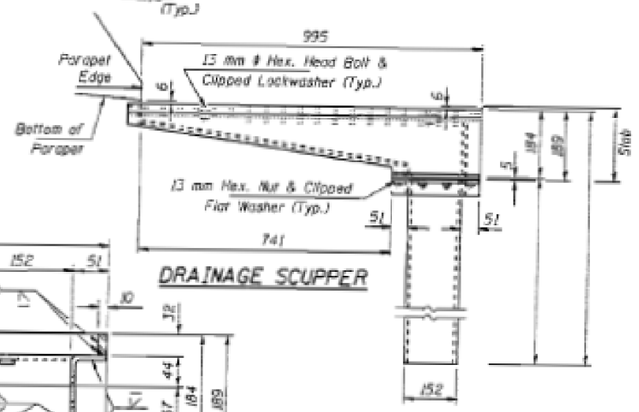


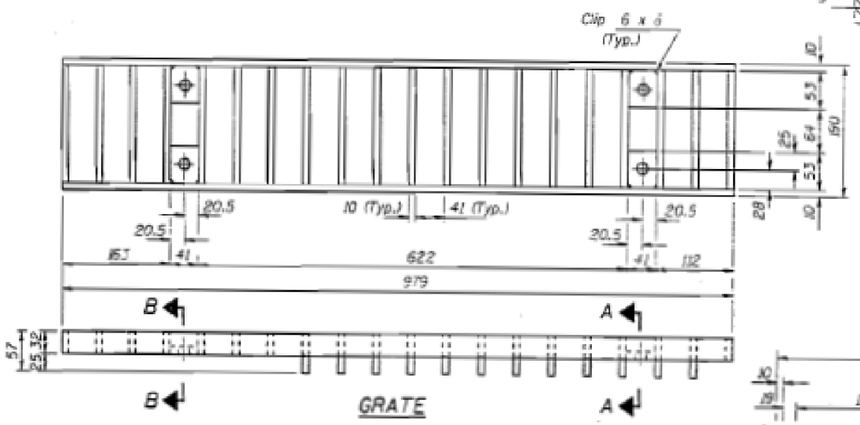


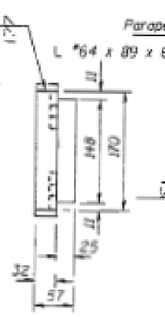
*Cut to 38 mm as shown in Section F-F.

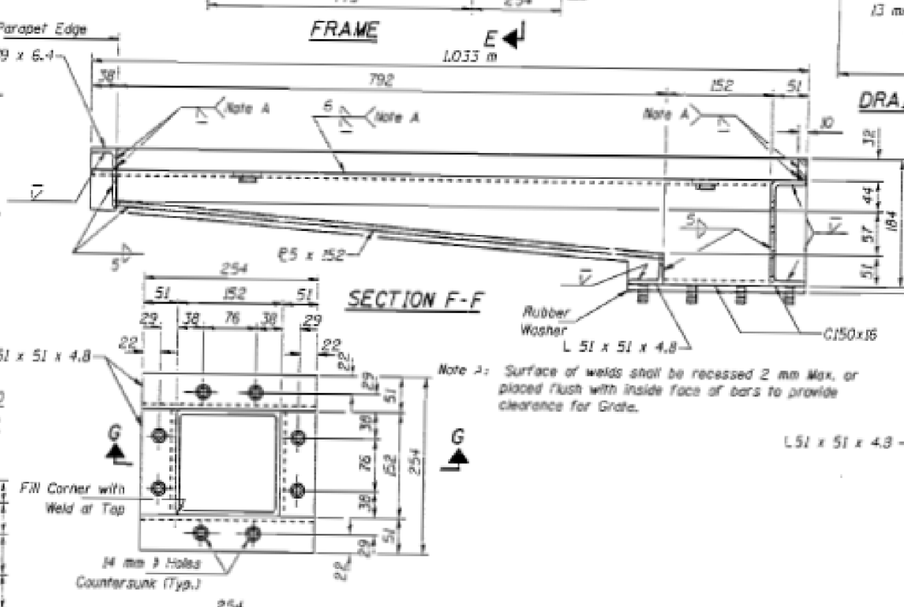




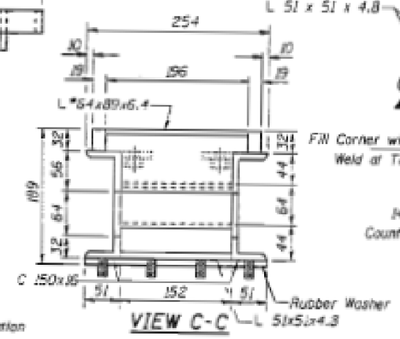


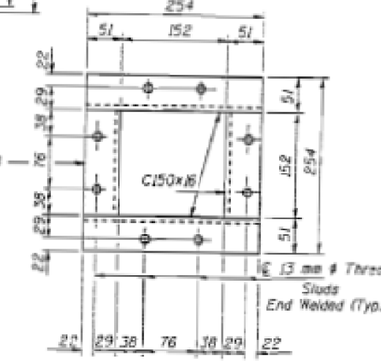




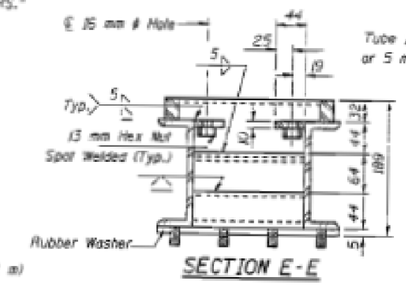


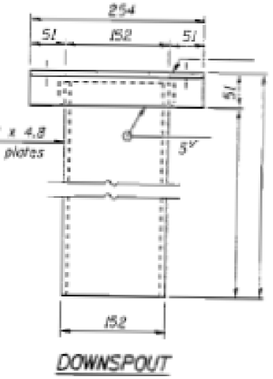
Note A: Surface of welds shall be recessed 2 mm Max. or placed flush with inside face of bars to provide clearance for Grate.

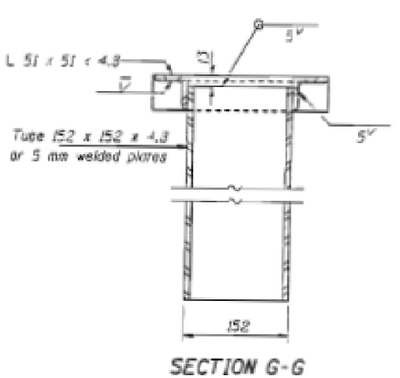




Notes: Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500 Grade B, or A 501 Structural Steel Tubing.
All other shapes, plates and bars shall conform to the requirements of AASHTO M 270M Grade 250.
Bolts, studs, washers and nuts shall conform to the requirements 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 Scupper will be paid for at the unit bid price each for "DRAINAGE SCUPPERS."
All dimensions are in millimeters (mm) except as noted.







BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper	Each	4

(Sheet 1 of 2)

STEEL DRAINAGE SCUPPER

FAI RTE 180, SEC 06-2HVB
BUREAU COUNTY
SN 006-0057 (EB)

DESIGNED		P.E.
CHECKED		EXAMINED
DRAWN		PASSED
CHECKED		

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

USER NAME = ronald.woodshank	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = $SCALE$	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. 006-0057 (EB)
FOR INFORMATION ONLY

SCALE: | SHEET 7 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	

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