



FRAMING PLAN
SCALE: 3/16" = 1'-0"

LEGEND

- D# DIAPHRAGM TYPE #
- (F) DENOTES DIAPHRAGM TO BE CONNECTED PRIOR TO DECK CASTING, REMOVED FOR PBU HANDLING AND TRANSPORTATION, AND RE-INSTALLED AFTER ERECTION (SEE NOTE 14).
- G# GIRDER NO. #
- (X) WORK POINT
- < DRIP BAR

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL (LOW ALLOY) SHALL CONFORM TO AASHTO M270 GRADE 50 WT2.
2. WELDING DETAILS, PROCEDURES AND TESTING METHODS SHALL CONFORM TO THE LATEST ANSI/AASHTO/AWS D1.5 - BRIDGE WELDING CODE, UNLESS OTHERWISE NOTED IN THE CONTRACT.
3. FIELD SPLICES WILL NOT BE ALLOWED EXCEPT WITH THE WRITTEN PERMISSION OF THE ENGINEER PRIOR TO THE SUBMISSION OF SHOP PLANS. IF ALLOWED, THESE SPLICES SHALL BE DESIGNED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE COST OF THESE SPLICES, INCLUDING THE COST OF DESIGN, SHALL BE AT NO EXTRA EXPENSE TO THE STATE.
4. ALL WEB TO FLANGE, WEB TO BEARING STIFFENER AND BEARING STIFFENER TO FLANGE FILLET WELDS SHALL BE INSPECTED BY THE MAGNETIC PARTICLE METHOD.
5. MULTIPLE PASS WELDS, INSPECTED BY THE MAGNETIC PARTICLE METHOD, SHALL HAVE EACH PASS OR LAYER INSPECTED AND ACCEPTED BEFORE PROCEEDING TO THE NEXT PASS OR LAYER, AS DETERMINED BY THE ENGINEER.
6. SHOP FLANGE SPLICES SHALL BE LOCATED A MINIMUM OF 6 INCHES FROM WEB SPLICES.
7. FLANGE OR WEB SPLICES SHALL BE LOCATED A MINIMUM OF 6 INCHES FROM STIFFENERS AND CONNECTION PLATES.
8. ENDS OF BEAMS SHALL BE VERTICAL AFTER THE APPLICATION OF FULL DEAD LOADS.
9. THE STRUCTURAL STEEL FABRICATORS SHALL BE CERTIFIED UNDER THE AISC CERTIFICATION PROGRAM CATEGORY BRIDGE FABRICATOR INTERMEDIATE (IBR).
10. THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE STABILITY OF ALL STRUCTURE ELEMENTS UNTIL THE TOTAL STRUCTURE IS IN BEING.
11. THE CONTRACTOR SHALL VERIFY THE LENGTH OF PROPOSED GIRDERS BASED ON FIELD MEASUREMENTS PRIOR TO SUBMISSION AND APPROVAL OF SHOP DRAWINGS.
12. ALL BOLTED CONNECTIONS SHALL BE SLIP-CRITICAL WITH CLASS B FAYING SURFACES AND MADE WITH ASTM F3125, GRADE A325, TYPE 3, 3/8" DIAMETER HIGH STRENGTH BOLTS.
13. ALL STRUCTURAL STEEL, INTERMEDIATE AND END DIAPHRAGMS, CONNECTION PLATES AND BEARING STIFFENERS SHALL BE INCLUDED IN ITEM "PRECAST CONCRETE/STEEL COMPOSITE SUPERSTRUCTURE".
14. FIELD INSTALLED DIAPHRAGMS MAY BE INSTALLED AFTER THE BRIDGE IS OPEN TO TRAFFIC AT THE CONTRACTOR'S OPTION.

CAMBER TABLE (INCHES)												
GIRDER MARK		CL BRG. ABUT. 1	0.10 L	0.20 L	0.30 L	0.40 L	0.50 L	0.60 L	0.70 L	0.80 L	0.90 L	CL BRG. ABUT. 2
G1, G2, G11, & G12	STRUCTURAL STEEL DEFLECTION	0.00	0.12	0.23	0.32	0.38	0.39	0.38	0.32	0.23	0.12	0.00
	ADDITIONAL DEAD LOAD DEFLECTION	0.00	0.54	1.02	1.40	1.64	1.72	1.64	1.40	1.02	0.54	0.00
	COMPOSITE DEAD LOAD DEFLECTION	0.00	0.24	0.45	0.62	0.73	0.76	0.73	0.62	0.45	0.24	0.00
	TOTAL DEAD LOAD CAMBER	0.00	0.90	1.71	2.34	2.75	2.88	2.75	2.34	1.71	0.90	0.00
	VERTICAL CURVE ORDINATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EXTRA CAMBER	0.00	0.12	0.23	0.35	0.46	0.58	0.46	0.35	0.23	0.12	0.00
	TOTAL CAMBER	0.00	1.02	1.94	2.69	3.21	3.46	3.21	2.69	1.94	1.02	0.00
G3-G10	STRUCTURAL STEEL DEFLECTION	0.00	0.12	0.23	0.32	0.38	0.39	0.38	0.32	0.23	0.12	0.00
	ADDITIONAL DEAD LOAD DEFLECTION	0.00	0.54	1.02	1.40	1.64	1.72	1.64	1.40	1.02	0.54	0.00
	COMPOSITE DEAD LOAD DEFLECTION	0.00	0.08	0.14	0.19	0.23	0.24	0.23	0.19	0.14	0.08	0.00
	TOTAL DEAD LOAD CAMBER	0.00	0.74	1.40	1.92	2.25	2.36	2.25	1.92	1.40	0.74	0.00
	VERTICAL CURVE ORDINATE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	EXTRA CAMBER	0.00	0.12	0.23	0.35	0.46	0.58	0.46	0.35	0.23	0.12	0.00
	TOTAL CAMBER	0.00	0.86	1.63	2.26	2.71	2.93	2.71	2.26	1.63	0.86	0.00

REV.	DATE	DESCRIPTION