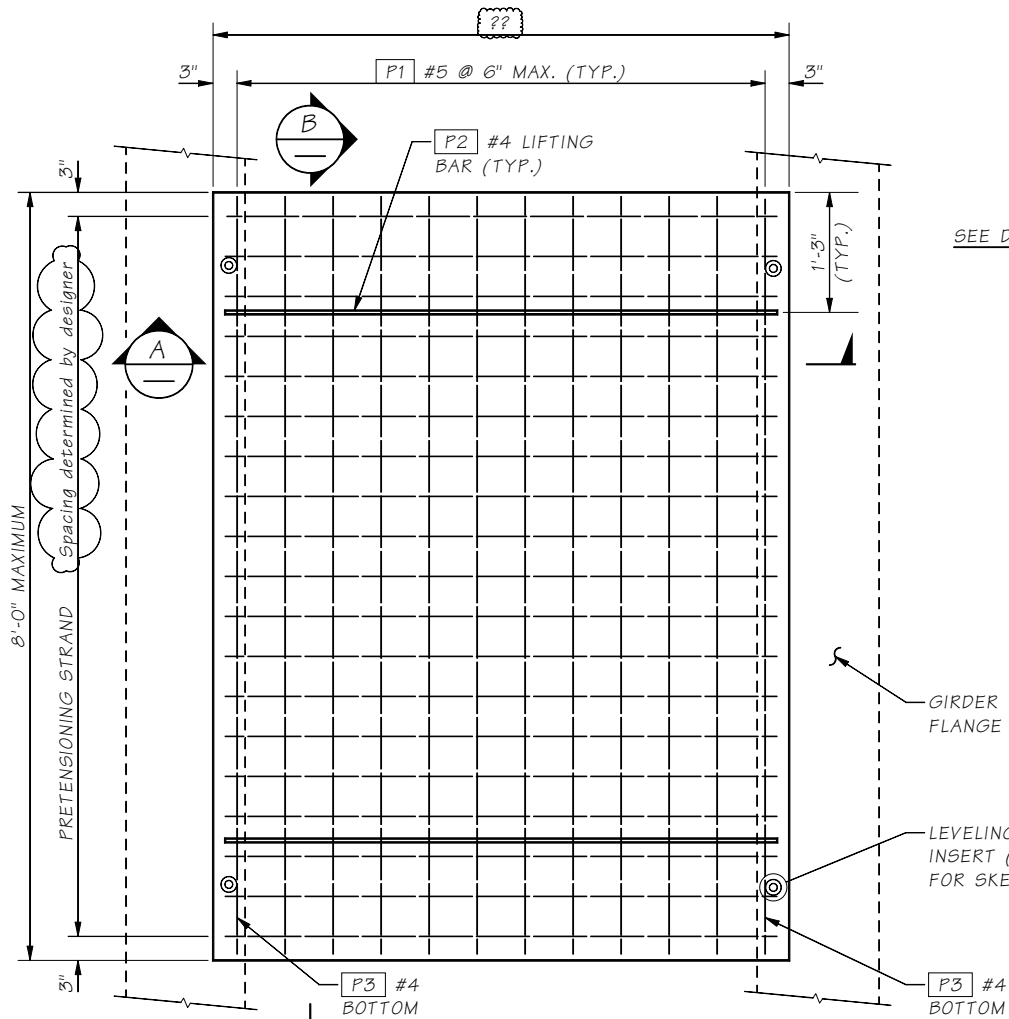


Last revised on : 7/20/2011

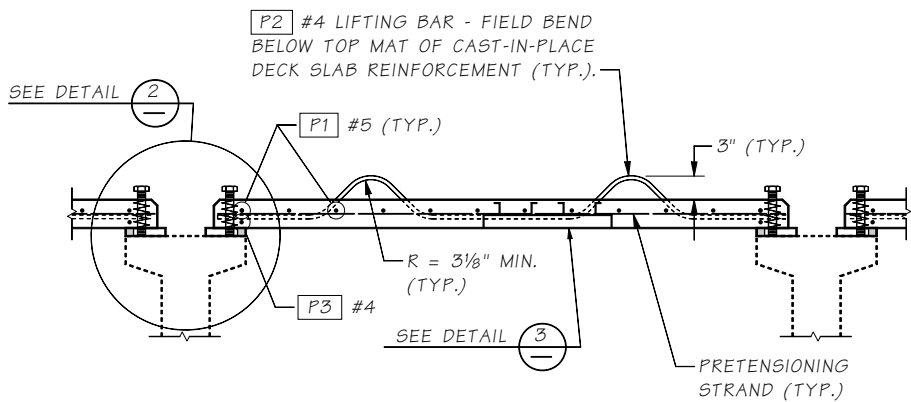
SR FILE NO. SHEET

5.6-A10-1



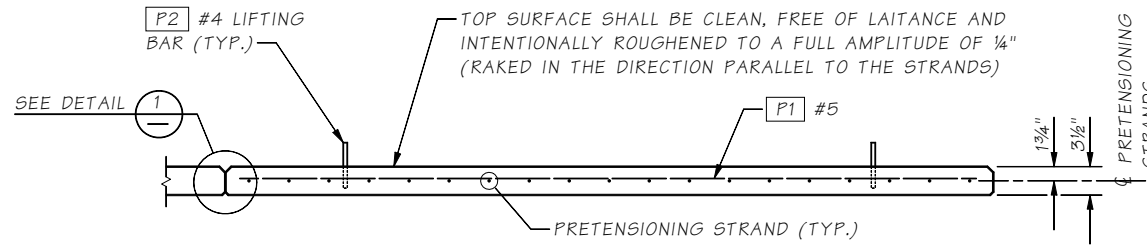
**PLAN
SIP DECK PANEL**

ADJACENT PANELS NOT SHOWN FOR CLARITY

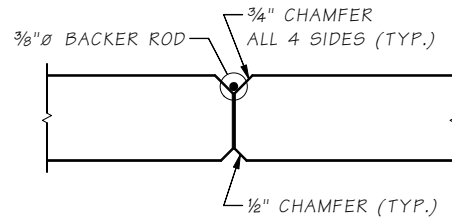


SECTION A

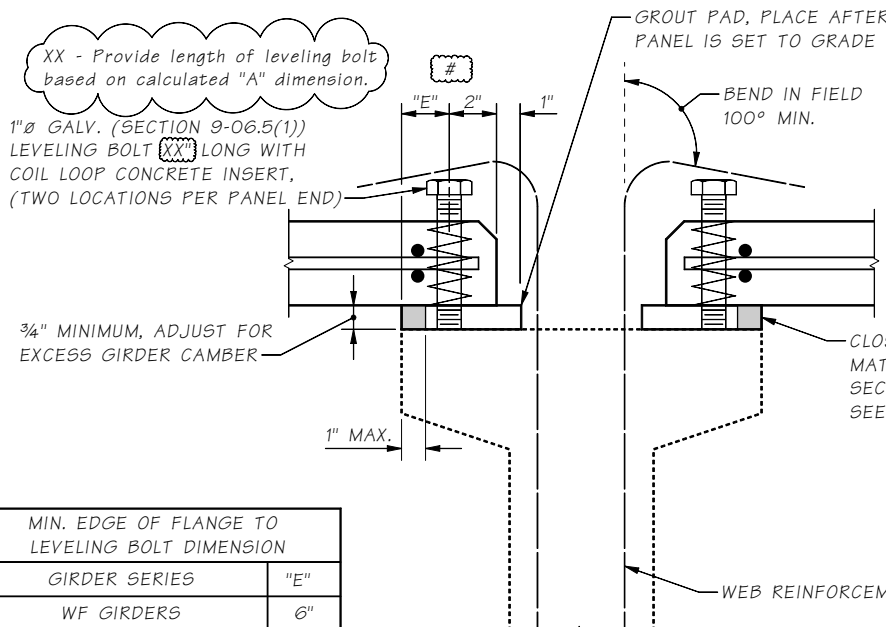
DIMENSIONS SHOWN ARE NORMAL TO \perp GIRDER



SECTION B



DETAIL 1

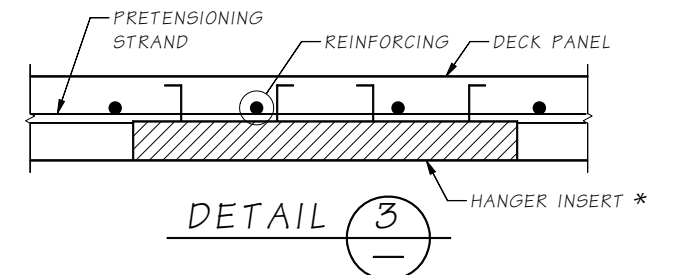


DETAIL 2

MIN. EDGE OF FLANGE TO LEVELING BOLT DIMENSION	
GIRDER SERIES	"E"
WF GIRDERS	6"
W42G, W50G, W58G	2"
W74G	7"
PT TUBS	2"
W32BTG, W38BTG, W62BTG	6"

NOTES:

1. PRETENSIONING STRANDS, LEVELING BOLTS AND GROUT FOR GROUT PAD UNDER SIP DECK PANELS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.
2. LOOSEN THE LEVELING BOLT BY TWO TURNS AFTER THE GROUT HAS REACHED THE DESIGN STRENGTH SPECIFIED IN SECTION 9-20.3(2). LEVELING BOLT SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M232.
3. FOR SKEWED END PANELS, ADJUST THE LEVELING BOLT LOCATIONS LONGITUDINALLY ALONG THE \perp OF GIRDER, SUCH THAT EACH PANEL WILL HAVE 4 BOLTS AFTER THE PANEL IS SAWCUT. THE PANEL MAY BE CAST SQUARE AND SAWCUT TO FIT THE PLAN SKEW.
4. THE CONTRACTOR MAY SUBMIT FOR APPROVAL ALTERNATE LIFT POINT LOCATIONS, LIFTING EMBEDMENTS AND DEVICES IN ACCORDANCE WITH SECTION 6-02.3(28)G. LIFT POINT LOCATIONS AND LIFTING EMBEDMENTS AND DEVICES SHALL BE SHOWN ON THE SHOP PLANS SUBMITTED FOR APPROVAL. DESIGN CALCULATIONS SHALL BE SUBMITTED WITH THE SHOP PLANS.
5. THE CONTRACTOR MAY SUBMIT AN ALTERNATE METHOD FOR FORMING GROUT PAD UNDER SIP DECK PANEL AT EXTERIOR FACE OF GIRDER FLANGE. REFER ALSO TO SPECIAL PROVISIONS.



DETAIL 3

* COOPER B-LINE B22-1-??, POWERSTRUT PS 349-??, UNISTRUT P32??, OR APPROVED EQUAL (TYP.) WITH SPRING NUT. CHASE THREADS ON HANGER ROD FOR THREAD COMPATIBILITY WITH SPRING NUT. INSERT TO BE INSTALLED LEVEL LONGITUDINALLY AND TRANSVERSELY. PLACE INSERT TO PROVIDE FOR TRANSVERSE ADJUSTMENT OF HANGER RODS. HANGER RODS SHALL NOT BE WITHIN 2" OF THE END OF THE INSERT. FOR INSERT LOCATIONS, SEE "UTILITIES HANGER DETAILS" SHEET.

UTILITY HANGER NOTES TO DESIGNERS:

- Verify that the insert does not interfere with reinforcement. Insert shall be centered between pretensioning strand.
- Verify that the load on the insert and rod is acceptable.
- The first utility insert shall be placed within 2'-0" of the end diaphragms.
- See BDM chapter 10, section 10.8.6 for insert design.

NOTES TO DESIGNERS:

- # Provide enough deck panel overlap on girder flange to accommodate fabrication tolerances for the girder and deck panel, while still maintaining a sufficient bearing seat. The girder flange and deck panel shall be checked for structural adequacy.
- The minimum deck thickness shall be 8 1/2" with 5" concrete cast-in-place topping.

MIN. CONC. COMP. STRENGTH		STRANDS	
@ 28 DAYS F'C (KSI)	@ RELEASE F'CI (KSI)	DIAMETER (IN)	JACKING FORCE PER STRAND (KIPS)
		3/8" OR 7/16"	

Bridge Design Engr.	M:\STANDARDS\Girders\SIP Deck Panel\SIP DECK PANEL DETAILS.MAN				
Supervisor	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	10	WASH.			
Checked By	JOB NUMBER				
Detailed By					
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist	DATE	REVISION	BY	APP'D	

Fri Mar 06 13:20:01 2015

BRIDGE AND STRUCTURES OFFICE



STANDARD PRESTRESSED CONCRETE GIRDERS

STAY-IN-PLACE (SIP) DECK PANEL DETAILS

BRIDGE SHEET NO.
SHEET
OF
SHEETS