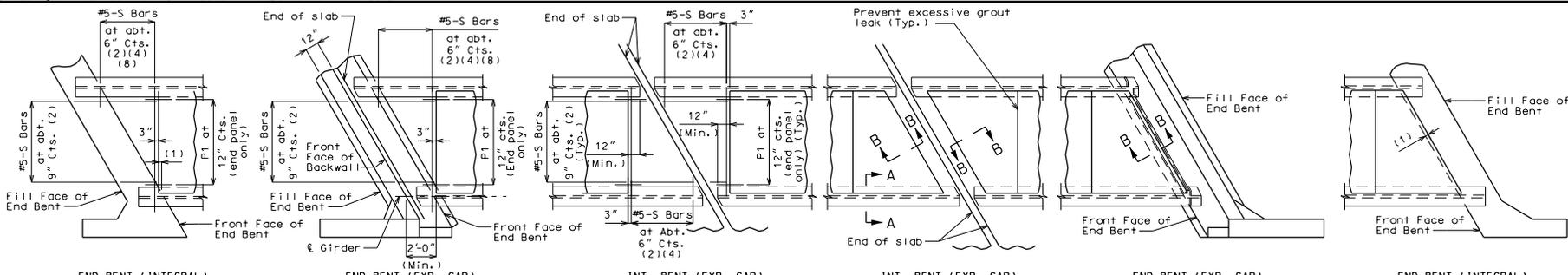


"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

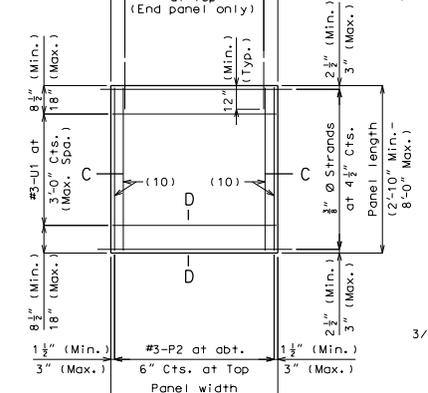
DATE PREPARED	4/17/2012
ROUTE	MO
DISTRICT	BR
COUNTY	*
JOB NO.	*
CONTRACT ID.	*
BRIDGE NO.	SPN 3
SHEET NO.	*

DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	

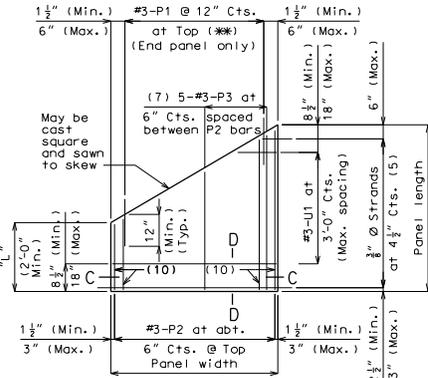
105 WEST CAPITOL JEFFERSON CITY, MO 64102 1-888-ASK-MODOT (1-888-275-6636)



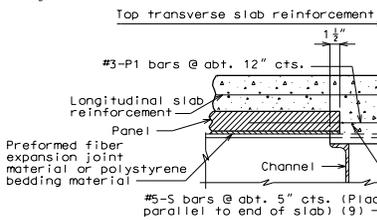
PLAN OF PRECAST PRESTRESSED PANELS PLACEMENT



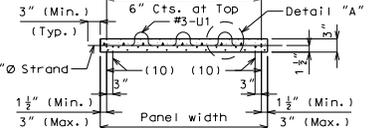
PLAN OF PRECAST PRESTRESSED PANEL



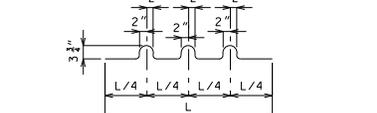
PLAN OF PRECAST PRESTRESSED PANEL (SKEWED END-OPTIONAL)



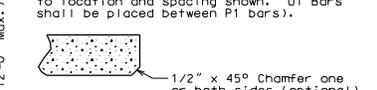
PART SECTION B-B



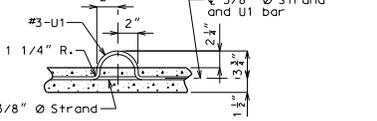
SECTION C-C



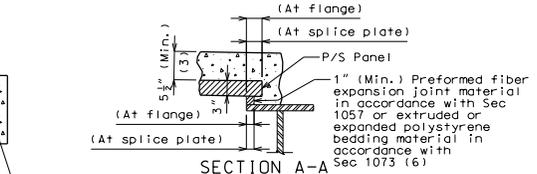
BENDING DIAGRAM FOR U1 BAR



SECTION D-D



DETAIL "A"



SECTION A-A

**NOTES:**  
 Welded wire fabric or welded deformed bar mats providing a minimum area of reinforcing perpendicular to strands of 0.22 sq. in./ft. of spacing parallel to strands sufficient to insure proper handling, may be used in lieu of the #3-P2 bars shown. Wire or bar diameter shall not be larger than 0.375 inches. The above alternative reinforcement criteria may be used in lieu of the #3-P3 bars, when required, and placed over a width not less than 2 feet.  
 The reinforcing steel shall be tied securely to the 3/8"Ø strands with the following maximum spacing in each direction:  
 #3-P2 bars at 16 inches.  
 Welded wire fabric or welded deformed bar mats at 2'-0".  
 Tie the #3-U1 bars to the #3-P2 bars, to the welded wire fabric or the welded deformed bar mats at about 3'-0" centers.  
 All reinforcing other than prestressing strands shall be epoxy coated.  
 Precast panels may be in contact with stirrup reinforcing in diaphragms.  
 Cost of 5-bars will be considered completely covered by the contract unit price for Slab.  
 5-bars are not listed in the bill of reinforcing.

- End panels shall be dimensioned 1/2" min. to 1-1/2" max. from the inside face of diaphragm.
- 5-bars shown are bottom steel in slab between panels and used with squared end panels only.
- Adjustment in the slab thickness, preformed fiber expansion joint material or polystyrene bedding material thickness, or grade will be necessary if the girder camber after erection differs from plan camber by more than the % of dead load deflection due to the weight of structural steel. No payment will be made for additional labor or materials for the adjustment.
- Minimum reinforcement steel length shall be 2'-0".
- Any strand 2'-0" or shorter shall have a #4 reinforcing bar on each side of it, centered between strands. Strands 2'-0" or shorter may then be detored at the fabricator's option.
- All panel support pads shall be glued to the girder. When support thickness exceeds 1/2 inches, the pads shall be glued top and bottom. The glue used shall be the type recommended by the panel support pads manufacturer.
- Use #3-P3 bars if panel is skewed 45° or greater.
- Extend 5-bars 18 inches beyond the front face of end bents only.
- 5-bars shown are used with skewed end panels, or squared end panels of square structures only. The #5 S-bars shall extend the width of the slab (2'-6" lap if necessary) or to within 3 inches of expansion device assemblies.
- #3-P2 bars near edge of panel at bottom (under strands).

DETAILS OF PRECAST PRESTRESSED PANELS

Note: This drawing is not to scale. Follow dimensions. Sheet No. of

Detailed Checked