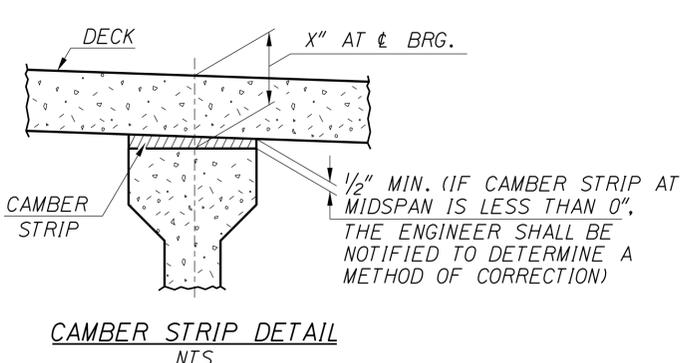


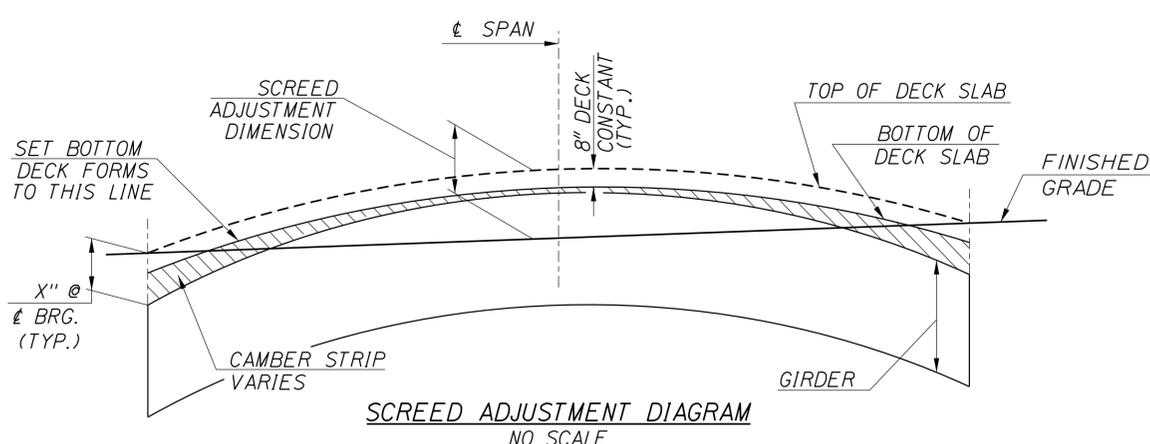
**GIRDER END DETAILS**  
1/2"=1'-0"



**INTERMEDIATE DIAPHRAGM DOWEL DETAILS**  
3/4"=1'-0"



**CAMBER STRIP DETAIL**  
NTS



**SCREED ADJUSTMENT DIAGRAM**  
NO SCALE

0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	SPAN (TENTH POINTS)
0										0	SCREED ADJUSTMENT DIMENSION - INCHES

**NOTES**

- LOSSES**  
1. GIRDERS DESIGNED USING IMMEDIATE PRESTRESS LOSSES OF  $\quad$  psi AND FINAL TOTAL PRESTRESS LOSSES OF  $\quad$  psi.
- DOWELS**  
2. DOWELS MAY BE PROVIDED BY ANY OF THE FOLLOWING METHODS:  
a. CAST IN PLACE AS SHOWN, PROVIDED THAT HOOKED BARS ARE USED WHEN NECESSARY ON THE EXTERIOR GIRDER.  
b. COIL ROD INSERTS AND THREADED DOWELS MAY BE PROVIDED, IF THE ULTIMATE STRENGTH OF THE INSERT IS IN ACCORDANCE WITH THE FOLLOWING:
- | BAR SIZE | MINIMUM ULTIMATE TENSION CAPACITY (LBS.) |
|----------|--|
| #4       | 12,000                                   |
| #5       | 18,600                                   |
| #6       | 26,400                                   |
- c. ON INTERIOR GIRDERS ONLY, 1/2"  $\phi$  HOLES MAY BE PROVIDED DURING FABRICATION AND DOWELS GROUTED IN PLACE AFTER DELIVERY TO THE JOB SITE.
3. END DIAPHRAGM DOWELS SHALL BE PLACED PARALLEL TO  $\epsilon$  BEARING. INTERMEDIATE DIAPHRAGM DOWELS SHALL BE PLACED PERPENDICULAR TO  $\epsilon$  GIRDERS.
- SHOP DRAWINGS**  
4. SHOP DRAWING DETAILS SHALL CONFORM TO CURRENT AASHTO SPECIFICATIONS. DETENSING SEQUENCE AND GIRDER LIFT POINTS SHALL BE SHOWN ON SHOP DRAWINGS.  
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER ELECTRONICALLY IN PDF FORMAT IN ACCORDANCE WITH SECTION 506 AND SHALL INCLUDE COMPLETE DETAILS OF FABRICATION. MATERIALS BEING USED SHALL BE CLEARLY SPECIFIED. BEFORE PROJECT COMPLETION, THE CONTRACTOR SHALL FURNISH THE ENGINEER ELECTRONIC AS-BUILT SHOP DRAWINGS IN PDF FORMAT.  
6. DURING TRANSPORTATION AND ERECTION, THE GIRDER SHALL BE LATERALLY RESTRAINED UNTIL DECK IS CURED. THE METHOD OF LATERAL RESTRAINT SHALL BE SHOWN ON THE SHOP DRAWINGS.
- MISCELLANEOUS GIRDER DETAILS**  
7. END OF GIRDERS SHALL BE PLUMB WHEN GIRDERS ARE SET TO GRADE.  
8. DIMENSION (A) IN TABLE IS A HORIZONTAL DIMENSION. FINISHED LENGTH OF GIRDER SHALL BE CORRECTED FOR GRADE AND ALLOWANCE MADE FOR BEAM SHORTENING.  
9. GIRDER ERECTION/DECK PLACEMENT ASSUMED TO OCCUR WITHIN 60-90 DAYS AFTER GIRDER FABRICATION.
- STRAND**  
10. DESIGN BASED UPON (0.5") (0.6") DIA. AASHTO M203 LOW RELAXATION STRAND.

**TYPE C END DETAIL**

GIRDER	# STRAND	DISTANCE FROM BOTTOM OF GIRDER
TYPE 2	2	2"
TYPE 3	4	4"
TYPE 4	4	2"

\* ESTIMATED DEFLECTION OF PRESTRESSED GIRDER AT RELEASE

\*\* ESTIMATED DEFLECTION OF PRESTRESSED GIRDER AT ERECTION/DECK PLACEMENT.

LOCATION	$\Delta P$ PRESTRESS	$\Delta G$ GIRDER	$\Sigma \Delta^*$ $\Delta P + \Delta G$	$\Delta 1^{**}$ $1.55 \Delta P + 1.65 \Delta G$	$\Delta S$ NON COMP. DL	$\Delta C$ COMP. DL	$\Delta 2$ $\Delta S + \Delta C$

NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 34" X 22" PRINTS ONLY  
CADD FILE NO.  $\backslash$ cadd $\backslash$ s1d.dgn  
b05\_2d.dgn  
DRAWING DATE: MAR 2015

ORIGINAL SIGNED BY:   
DATE SIGNED: DATE  
ORIGINAL STORED AT: ITO BRIDGE SECTION

IDAHO TRANSPORTATION DEPARTMENT

**English**  
PROJECT NO. 0000

PRESTRESSED AASHTO GIRDER DETAILS  
PROJECT LOCATION STA

BRIDGE LRFD MANUAL, PAGE B5.2D	
COUNTY ABC	KEY NO. 0000
BRIDGE DRAWING NO. 0000	SHEET 0 OF 0