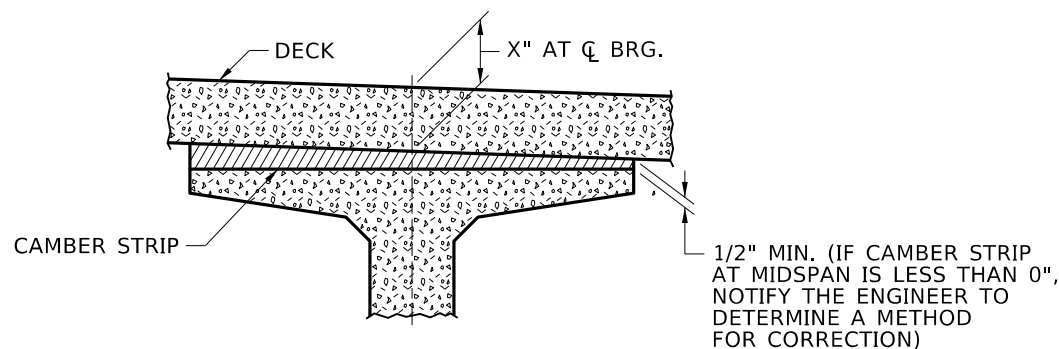


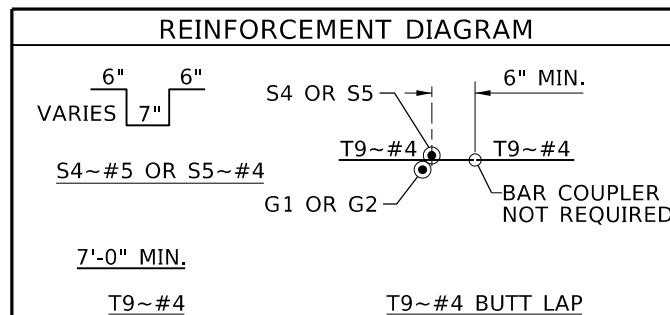
SCREED ADJUSTMENT DIAGRAM

NTS



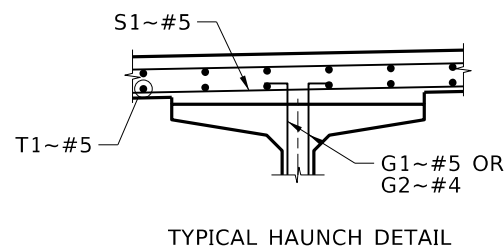
CAMBER STRIP DETAIL

NTS

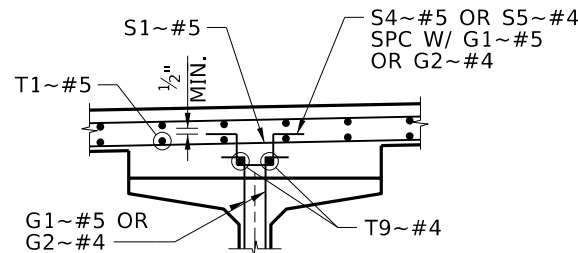


SCREED ADJUSTMENT DIMENSIONS AT CL OF GIRDERS

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



TYPICAL HAUNCH DETAIL



MODIFIED HAUNCH DETAIL

S4 & S5 ADJUSTMENT RANGE

HAT BAR DETAILS  
(BULB TEE GIRDERS SHOWN,  
AASHTO & WF GIRDERS SIMILAR)  
3/4" = 1'-0"

NOTE:

- A. ADD HAT BARS S4, S5, AND T9 WHERE THE GIRDER STIRRUPS (G1 AND G2 BARS) DO NOT RISE ABOVE THE BOTTOM MAT OF REINFORCEMENT.
- B. ADDITIONAL S4, S5, AND T9 BARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR METAL REINF. SCH. NO. 2.

DEFLECTION DATA ~ INCHES

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	$\Delta 2$ $\Delta S + \Delta C$
	↑	↓	↑	↑	↓	↓	↓

\*ESTIMATED DEFLECTION OF PRESTRESSED GIRDER AT RELEASE

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

NOTES

DOWELS

1. PROVIDE DOWELS BY ANY OF THE FOLLOWING METHODS:

- a. PROVIDE COIL ROD INSERTS AND THREADED DOWELS, 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

- b. ON INTERIOR GIRDERS ONLY, 1 1/2" Ø HOLES MAY BE PROVIDED DURING FABRICATION AND DOWELS GROUTED IN PLACE AFTER DELIVERY TO THE JOB SITE.

2. PLACE END DIAPHRAGM DOWELS PARALLEL TO CL BEARING.

SHOP DRAWINGS

- 3. PROVIDE SHOP DRAWING DETAILS THAT CONFORM TO CURRENT AASHTO SPECIFICATIONS. SHOW DETENSIONING SEQUENCE AND GIRDER LIFT POINTS ON SHOP DRAWINGS.
- 4. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH 506.03 AND 105.02.
- 5. Laterally restrain the girder during transportation and erection. Show the method of lateral restraint on the shop drawings.
- 6. PROVIDE DESIGN CALCULATIONS AND SHOW THE DETAILS ON THE SHOP DRAWINGS IF TEMPORARY STRANDS ARE ADDED IN THE TOP FLANGE FOR HANDLING, TRANSPORTATION, OR ERECTION. PROVIDE A REVISED DEFLECTION DATA TABLE AND SCREED ADJUSTMENT TABLE. APPROVED CHANGES AT THE CONTRACTOR'S EXPENSE.

MISCELLANEOUS GIRDER DETAILS

- 7. WELDED WIRE REINFORCEMENT STIRRUPS MAY BE PROVIDED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE OPTIONAL PRESTRESSED GIRDER WWR DETAILS SHEET.
- 8. PROVIDE GIRDERS WITH ENDS THAT ARE PLUMB WHEN SET TO GRADE.
- 9. DIMENSION (A) IN THE PRESTRESSED GIRDER SCHEDULE TABLE IS A HORIZONTAL DIMENSION. CORRECT THE FINISHED GIRDER LENGTH FOR GRADE AND PROVIDE AN ALLOWANCE FOR BEAM SHORTENING.
- 10. SEE SHEET \_\_\_ FOR TEMPORARY DIAPHRAGM DETAILS.
- 11. BLOCK OUT TOP FLANGE OF BULB TEE AND WF GIRDERS TO ALLOW PLACEMENT OF CONCRETE FOR THE END DIAPHRAGMS.
- 12. IF THE TOP FLANGE OVERHANG IS USED FOR SUPPORT OF DECK FORMS OR SCREEDS, APPROVAL OF THE METHOD TO BE USED IS REQUIRED BEFORE CASTING OF THE BEAMS. SHOW THE METHOD OF DECK FORM AND SCREED SUPPORT ON SHOP DRAWINGS, AND DESIGN THE REINFORCEMENT ACCORDINGLY.
- 13. GIRDER ERECTION/DECK PLACEMENT ASSUMED TO OCCUR WITHIN 60-90 DAYS AFTER GIRDER FABRICATION.
- 14. FABRICATE IN ACCORDANCE WITH 506.
- 15. STRAND DESIGN BASED UPON 0.6" DIA. AASHTO M203 LOW RELAXATION STRAND.
- 16. DO NOT SHIP PRESTRESSED CONCRETE MEMBERS UNTIL TESTS ON CONCRETE CYLINDERS MANUFACTURED FROM THE SAME CONCRETE AND CURED UNDER THE SAME CONDITIONS AS THE GIRDERS INDICATE THAT THE CONCRETE OF THE PARTICULAR MEMBER HAS ATTAINED A COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED DESIGN 28 DAY COMPRESSIVE STRENGTH.
- 17. PRESTRESSING CONCRETE MEMBERS IS INCIDENTAL TO THE PRECAST AND PRESTRESSED PAY ITEMS IN 502.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
Standards/Bridge Standard Drawings
B05_30_1.DGN
DRAWING DATE: OCT 2023

**IDAHO TRANSPORTATION DEPARTMENT**  
 YOUR Safety → YOUR Mobility → YOUR Economic Opportunity  
 APPROVED BY: BRIDGE ENGINEER MICHAEL T. JOHNSON DATE: \_\_\_\_\_

ENGLISH
PROJECT NO.

PRESTRESSED GIRDER GENERAL DETAILS
BRIDGE LRFD DESIGN MANUAL, B5.30-1

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF