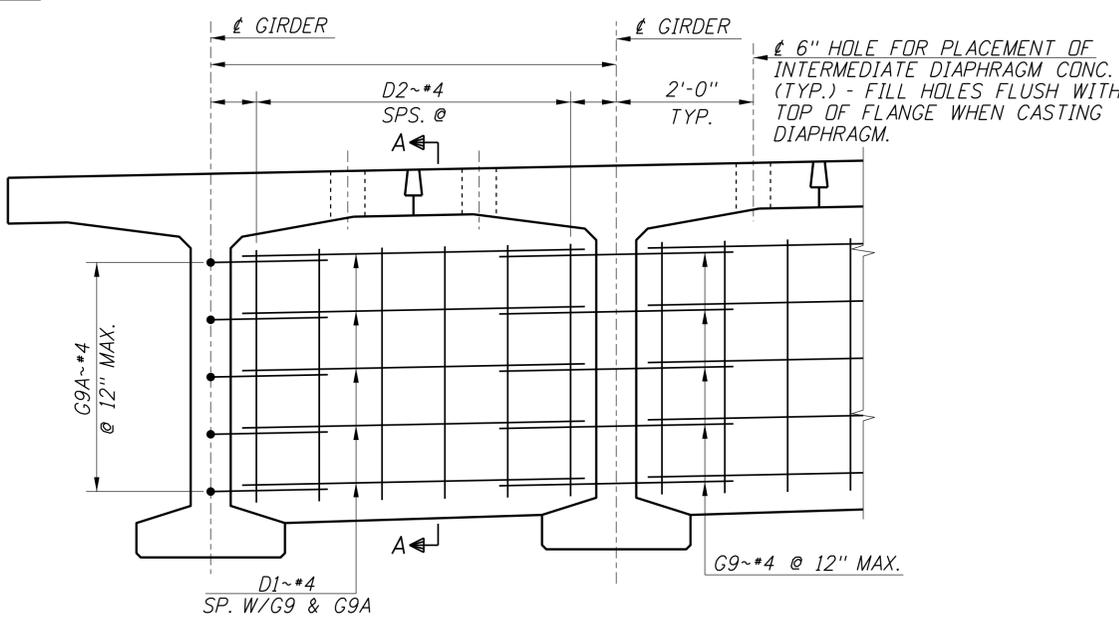
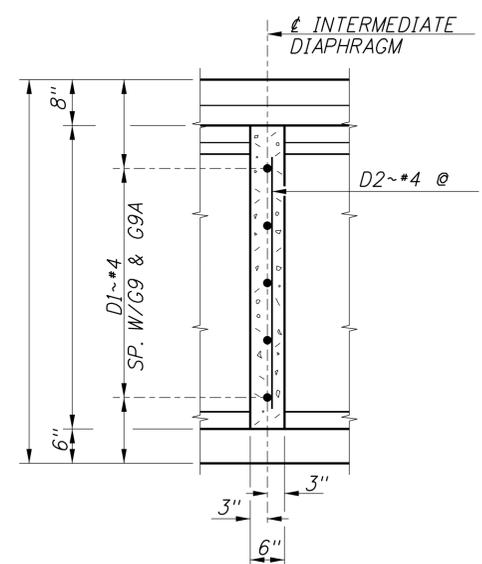


TYPICAL SECTION
1/2"=1'-0"



ELEVATION - TYPICAL INTERMEDIATE DIAPHRAGM
3/4"=1'-0"



SECTION A-A
3/4"=1'-0"

GIRDER NOTES:

1. REFER TO SPECIAL PROVISIONS FOR REQUIREMENTS FOR ALTERNATE PRECAST PRESTRESSED GIRDER SECTIONS.
2. AT THE CONTRACTOR'S OPTION, THE CURB MAY BE CAST DIRECTLY ONTO THE EXTERIOR GIRDERS IN THE PRECAST YARD PRIOR TO SHIPPING TO JOB SITE. THE CURB SHALL BE A SECONDARY CAST. THIS METHOD REQUIRES APPROVAL BY THE ENGINEER PRIOR TO CASTING THE GIRDERS AND DETAILS SHALL BE SHOWN ON THE SHOP DRAWINGS.
3. THE TOP SURFACE OF THE GIRDER SHALL BE GIVEN A SCREED OR FLOAT FINISH IN ACCORDANCE WITH SUBSECTION 502.03.
4. SHOP PLANS SHALL SHOW THE SIZE AND LOCATION OF ALL CAST-IN HOLES. THERE SHALL BE NO FIELD-DRILLED HOLES IN THE PRESTRESSED GIRDERS.
5. AS A MINIMUM, TEMPORARY BRACING SHALL BE REQUIRED AT EACH END OF THE GIRDER TO MAINTAIN GIRDER STABILITY. TEMPORARY BRACING SHALL BE PLACED PRIOR TO THE RELEASE OF THE GIRDER FROM THE ERECTION EQUIPMENT. THE TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL ALL THE WELD TIE CONNECTIONS HAVE BEEN MADE. THE CONTRACTOR SHALL SUBMIT DETAILS FOR THE TEMPORARY BRACING. THE SHOP PLANS SHALL SHOW TEMPORARY BRACING LOCATIONS AND DETAILS FOR THE CONNECTION OF TEMPORARY BRACING TO THE GIRDERS, INCLUDING ANY ADDITIONAL REINFORCING STEEL REQUIRED IN THE GIRDERS. TEMPORARY BRACING DETAILS SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF IDAHO.
6. THE CONTRACTOR SHALL SUBMIT A METHOD OF EQUALIZING DECK BULB TEE GIRDER CAMBERS TO THE ENGINEER FOR REVIEW AND APPROVAL. GIRDER CAMBERS SHALL BE EQUALIZED UTILIZING THE APPROVED METHOD WHEN THE DIFFERENCE IN CAMBERS BETWEEN ADJACENT GIRDERS MEASURED AT MID-SPAN EXCEEDS 1/4 INCH. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO EQUALIZING GIRDER CAMBERS WHEN THE DIFFERENCE IN CAMBERS BETWEEN ADJACENT GIRDERS EXCEEDS 1.5 INCHES. GIRDER EQUALIZATION IS A PROGRESSIVE OPERATION. IT SHALL START AT THE LOCATION OF THE MAXIMUM CAMBER DIFFERENCE AND SHALL PROGRESS TO THE LOCATION OF THE MINIMUM CAMBER DIFFERENCE. PRIOR TO RELEASE OF THE EQUALIZING EQUIPMENT AT ANY LOCATION, WELD AS MANY WELD TIES AS ARE LEVEL, BUT NOT LESS THAN A MINIMUM OF 3 WELD TIE CONNECTIONS CENTERED ON THE EQUALIZING EQUIPMENT.
7. AFTER ALL WELD TIE CONNECTIONS HAVE BEEN INSTALLED, KEYWAYS SHALL BE SANDBLASTED, CLEANED, AND GROUTED LEVEL WITH SURROUNDING GIRDER SURFACES. A BACKER ROD SHALL BE USED AS A SEAL FOR THE GROUT.
8. GROUT SHALL CONFORM TO TYPE "B", CLASS I NON-METALLIC, NON-SHRINK AS SPECIFIED IN SUBSECTION 705.02.
9. NO VEHICULAR TRAFFIC SHALL BE ALLOWED ON THE STRUCTURE UNTIL THE KEYWAY GROUT HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
10. APPLY SPRAY APPLIED CONCRETE WATERPROOF MEMBRANE ON TOP FLANGES OF GIRDERS IN ACCORDANCE WITH S501-51A. APPLY FROM CURB TO CURB AND FROM BEGIN BRIDGE TO END BRIDGE.
11. PLANT MIX PAVEMENT OVERLAY SHALL BE PLACED FROM CURB TO CURB AND FROM BEGIN BRIDGE TO END BRIDGE. SEE ROADWAY PLANS FOR QUANTITIES.

12. CONSTRUCTION SEQUENCE:

1. ERECT GIRDERS AND INSTALL TEMPORARY BRACING.
 2. EQUALIZE GIRDER CAMBER, INSTALL WELD TIE CONNECTIONS (MINIMUM OF 3, SEE NOTE 6), RELEASE EQUALIZING EQUIPMENT, MOVE EQUALIZING EQUIPMENT TO NEXT LOCATION, AND REPEAT THIS STEP AS NEEDED.
 3. INSTALL ALL REMAINING WELD TIE CONNECTIONS.
 4. AFTER ALL WELD TIE CONNECTIONS HAVE BEEN INSTALLED, THE FOLLOWING ACTIVITIES MAY PROCEED AT THE CONTRACTOR'S DISCRETION: GROUT SHEAR KEY, CAST INTERMEDIATE DIAPHRAGMS, AND CAST END DIAPHRAGMS.
 5. REMOVE TEMPORARY BRACING.
13. THE PRECAST GIRDER SHOP DRAWINGS SHALL BE SUBMITTED AT THE SAME TIME AS THE CURB MOUNT RAIL SHOP DRAWINGS.
14. GIRDERS SHALL BE PLACED PERPENDICULAR TO THE CROSS-SLOPE FOR SLOPE <= 4%.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
△			
△			
△			
△			

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 34" X 22" PRINTS ONLY
CADD FILE NO. \\cadds\std_dgns\ b05_4a.dgn
DRAWING DATE: MAR 2015

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

IDAHO TRANSPORTATION DEPARTMENT

English

PROJECT NO.

TYPICAL DECK BULB TEE SECTION AND DETAILS

BRIDGE PLANS	
BRIDGE LRFD MANUAL, PAGE B5.4A	
COUNTY	KEY NO.
BRIDGE DRAWING NO.	SHEET
	OF