

STRUCTURAL STEEL NOTES

THE TOP AND BOTTOM FLANGES IN THE MIDDLE SECTION (SEGMENT 2) OF SPAN A SHALL BE AASHTO M270 GRADE 70W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-8 OF THE STANDARD SPECIFICATIONS.

ALL OTHER STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-8 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 1" DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDERS AND SHALL BE PLUMB, EXCEPT AT END BENT 2. SEE "CONNECTION PLATE DETAILS @ END BENT 2 END".

A CHARPY V-NOTCH TEST IS REQUIRED FOR WEB PLATES, WEB SPLICE PLATES, BOTTOM FLANGE PLATES, AND BOTTOM FLANGE SPLICE PLATES. A CHARPY V-NOTCH TEST IS REQUIRED FOR TOP FLANGE PLATES WITHIN 36 FEET OF THE ENDS OF GIRDERS. CHARPY V-NOTCH TESTS SHALL BE IN ACCORDANCE WITH ARTICLE 1072-7 OF THE STANDARD SPECIFICATIONS.

NO WELDING OF FORMS OR FALSEWORK TO THE TOP FLANGE WILL BE PERMITTED WITHIN 36 FEET OF THE ENDS OF GIRDER.

PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 15 FEET OF MAXIMUM DEAD LOAD DEFLECTION. KEEP 2 FEET MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES.KEEP 6" MINIMUM BETWEEN CONNECTOR PLATE OR TRANSVERSE STIFFENER WELDS AND WEB OR FLANGE SHOP SPLICES.

STUDS ON GIRDERS MAY BE SHIFTED UP TO 1" IF NECESSARY TO CLEAR FLANGE SPLICE WELD.

TENSION ON THE ASTM A325 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-8 OF THE STANDARD SPECIFICATIONS.

END OF GIRDERS SHALL BE PLUMB IN THE FINAL CONDITION.

FABRICATORS SHALL DETAIL DIAPHRAGM MEMBERS AND CONNECTIONS FOR NO-LOAD FIT (NLF).

DIMENSIONS ARE HORIZONTAL DIMENSIONS ALONG THE CENTER LINE OF GIRDER NO CORRECTIONS HAVE BEEN MADE TO ADJUST FOR THE DISTANCE ALONG THE GRADE.

BEARING STIFFENER MAY REQUIRE COPING IF WIDER THAN BOTTOM FLANGE.

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Raleigh, NC 27601-1772 Rope (919) 677 2000 NC LICENSE #		REVISIONS		SHEET NO.
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