



\* FIELD SECTION LENGTHS SHOWN ARE MEASURED ALONG -YEB01-.  
ACTUAL FIELD SECTION LENGTHS VARY BY GIRDER.

**SECTION ALONG -YEB01-**  
(SECTIONS AT BENT AND END BENTS ARE AT RIGHT ANGLES)

**ERECTION NOTES**

THE FIRST TWO GIRDERS SHALL BE ERECTED TOGETHER AND ALL CROSSFRAMES SHALL BE INSTALLED BETWEEN THE ERECTED GIRDER SECTIONS PRIOR TO RELEASING THE GIRDERS. THE CROSSFRAMES BETWEEN EACH ADDITIONAL ERECTED GIRDER SHALL BE INSTALLED PRIOR TO ITS RELEASE.

THE STRUCTURAL STEEL SHALL BE SUPPORTED DURING ERECTION IN ITS CAMBERED POSITION. ONE EXTERIOR GIRDER AND ITS ADJACENT INTERIOR GIRDER SHALL BE ERECTED WITH ALL DIAPHRAGMS, CROSSFRAMES AND LATERAL BRACING BETWEEN GIRDERS IN PLACE AND ALL BOLTS TIGHTENED PRIOR TO RELEASE OF THE GIRDERS. THE REMAINING GIRDERS SHALL THEN BE ERECTED WITH DIAPHRAGMS CONNECTING THE GIRDER TO THE ADJACENT ERECTED GIRDER AND ALL BOLTS TIGHTENED BEFORE RELEASING THE GIRDER.

DURING THE GIRDER ERECTION PROCEDURE, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY LATERAL BRACING AND OTHER MEANS OF SUPPORT, AS REQUIRED, TO ENSURE STABILITY OF THE GIRDERS, AVOID UPLIFT OF THE GIRDERS AT POINTS OF SUPPORT, AND MAINTAIN PLUMBNESS OF THE GIRDERS.

THE CONTRACTOR MAY SUBMIT ALTERNATE ERECTION METHODS. PLANS FOR SUCH ERECTION METHODS SHALL BE APPROVED BY THE ENGINEER.

PLACEMENT OF TEMPORARY BENT(S) OR TEMPORARY BENT BRACKETS, IF USED, SHALL BE COORDINATED WITH TRAFFIC PHASING REQUIREMENTS. SEE TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL ENSURE ADEQUATE CLEARANCES ARE PROVIDED BETWEEN TEMPORARY BENTS OR TEMPORARY BENT BRACKETS AND EDGE OF TRAVEL LANE.

TEMPORARY BENT(S), IF USED, SHALL SUPPORT ALL GIRDERS IN THE TYPICAL SECTION AND REMAIN IN PLACE UNTIL ALL CROSSFRAMES AND LATERAL BRACING ARE IN PLACE AND HIGH STRENGTH BOLTS ARE TIGHTENED.

METHOD OF TEMPORARY BENT REMOVAL SHALL UNIFORMLY APPLY THE STRUCTURAL STEEL WEIGHT TO THE GIRDERS AND DIAPHRAGMS.

THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING ANY TEMPORARY BENTS. THE DESIGN SHALL FOLLOW THE AASHTO DESIGN GUIDE SPECIFICATIONS FOR BRIDGE TEMPORARY WORKS, 1995, INCLUDING 2008 INTERIM REVISIONS, AND SHALL BE COMPLETED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED CALCULATIONS AND WORKING DRAWINGS FOR APPROVAL BY THE ENGINEER. WORKING DRAWINGS SHALL INCLUDE PLANS FOR TEMPORARY BENT(S), ERECTION SEQUENCE AND TEMPORARY BENT REMOVAL.

NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR PROVIDING TEMPORARY BENT(S). THE COST FOR ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND ANY INCIDENTALS NECESSARY TO PROVIDE THE TEMPORARY BENT(S) SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM BID PRICE FOR STRUCTURAL STEEL.

FOR TEMPORARY BENTS, SEE SPECIAL PROVISIONS.

PROJECT NO. R-5516  
 CRAVEN  COUNTY  
STATION: 32+25.84 -YEB01-  
75+13.29 -L-

**AECOM**  
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4/12/2017  
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
030474  
ENGINEER  
JOHN C. MORRISON

DocuSigned by:  
*John C. Morrison*  
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STATE OF NORTH CAROLINA  
**DEPARTMENT OF TRANSPORTATION**  
RALEIGH

**GIRDER ERECTION DETAILS**

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | TOTAL SHEETS |
| 1         |     |       | 3   |     |       | 51           |
| 2         |     |       | 4   |     |       |              |

S-08

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

DRAWN BY : S. G. STREDNAK DATE : 03/16  
CHECKED BY : J. C. MORRISON DATE : 03/16  
DESIGN E.O.R. : J. C. MORRISON DATE : 05/16

DATE: 4/7/2017 TIME: 2:56:55 PM  
USER: jrc1503c DGN: R:\60324\44\_Sigcom\_Road\400\_Technical\08\_Structure\040\_LOAD\_S08\_R5516\_SML\_SECTION.dgn