

SPAN A

NOTES:

- ALL GIRDERS ARE PARALLEL TO LONG CHORD
- ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 345W STEEL AND PAINTED IN ACCORDANCE WITH SYSTEM 4 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.
- ALL FIELD CONNECTIONS TO BE 22.23mm DIA. HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.
- BEARING STIFFENERS ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB.
- TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-10 OF THE STANDARD SPECIFICATIONS.

- SHOP SPLICES ARE PERMITTED TO LIMIT THE MAXIMUM REQUIRED FLANGE PIECE LENGTHS TO 18 METERS AND WEB PIECE LENGTHS TO 14 METERS. PERMITTED FLANGE AND WEB SHOP SPLICES SHALL NOT BE LOCATED WITHIN 4.5 METERS OF MAXIMUM DEAD LOAD DEFLECTION. KEEP 610mm MINIMUM BETWEEN WEB AND FLANGE SHOP SPLICES. KEEP 150mm MINIMUM BETWEEN CONNECTOR PLATE AND WEB OR FLANGE SHOP SPLICES.
- STUDS ON GIRDERS MAY BE SHIFTED UP TO 25mm IF NECESSARY TO CLEAR FLANGE SPLICE WELD.
- STRUCTURAL STEEL ERECTION SHALL BE COMPLETE BEFORE FALSEWORK OR FORMS ARE PLACED ON THE UNIT.
- END OF BEAMS AND GIRDERS SHALL BE PLUMB.

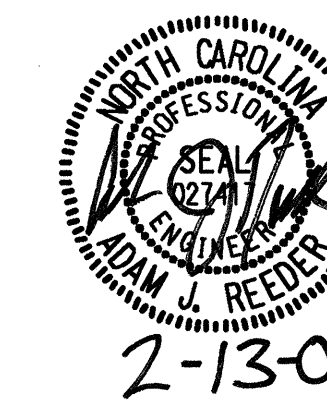
NOTE:

- DIAPHRAGMS: D-N
- ELASTOMERIC BEARINGS INDICATED THUS: EN
- SOLE PLATES INDICATED THUS: PN
- (N = NUMBER)

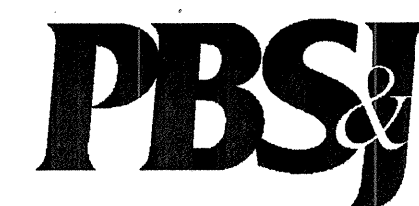
PROJECT NO. R-2552B  
JOHNSTON COUNTY  
 STATION: 78+35.547 -L-  
12+97.374 -Y10-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUPERSTRUCTURE  
 FRAMING  
 PLAN  
 (RIGHT LANE)



| REVISIONS |     |       |     |     |       | SHEET NO.        |
|-----------|-----|-------|-----|-----|-------|------------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: |                  |
| 1         |     |       | 3   |     |       | 5-61             |
| 2         |     |       | 4   |     |       | TOTAL SHEETS 431 |



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DRAWN BY : AR DATE : 6/03  
 CHECKED BY : JL DATE : 8/03