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| ASSEMBLED BY : KHC<br>CHECKED BY : JCM         |                                     | 11/2015<br>11/2015           |
|--|-------------------------------------|------------------------------|
| DRAWN BY : ELR 11/91<br>CHECKED BY : GRP 11/91 | REV.10/1/11<br>REV.1/15<br>REV.2/15 | MAA/GM<br>MAA/TMG<br>MAA/TMG |

ALL REINFORCING STEEL SHALL BE GRADE 60.

ELEVATION VIEW.

SPECIFICATIONS.

ANCHOR STUDS SHALL CONFORM TO AASHTO M169 GRADES 1010 THROUGH 1020 OR APPROVED EQUAL, AND SHALL MEET THE TYPE ``B'' REQUIREMENTS OF SUBSECTION 7.3 OF THE ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

AT ENDS OF GIRDERS TO BE EMBEDDED IN CONCRETE DIAPHRAGMS OR END WALLS, PRESTRESSING STRANDS MAY EXTEND A MAXIMUM OF 2"BEYOND THE GIRDER ENDS. OTHERWISE, PRESTRESSING STRANDS SHALL BE CUT FLUSH WITH THE GIRDER ENDS.

0F 4500 lbs.



## NOTES

ALL PRESTRESSING STRANDS SHALL BE 7-WIRE LOW-RELAXATION GRADE 270 STRANDS AND SHALL CONFORM TO AASHTO M203 EXCEPT FOR SAMPLING REQUIREMENTS WHICH SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

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APPLY EPOXY PROTECTIVE COATING TO END OF GIRDER SURFACES INDICATED IN

EMBEDDED PLATE ``B-1'' SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD

THE TRANSFER OF LOAD FROM THE ANCHORAGES TO THE GIRDER SHALL BE DONE WHEN CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF NOT LESS THAN 5500 PSI FOR SPANS A, C & D AND 4500 PSI FOR SPANS B, E & F.

DEPENDING ON THE TYPE OF SYSTEM USED TO SUPPORT THE DECK SLAB FORMS, PRESET ANCHORS MAY BE NECESSARY IN THE PRESTRESSED CONCRETE GIRDER.

THE TOP SURFACE OF THE GIRDER, EXCLUDING THE OUTSIDE 4", SHALL BE RAKED TO A DEPTH OF 1/4".

THE CONTRACTOR HAS THE OPTION TO PROVIDE, AT NO ADDITIONAL COST TO THE DEPARTMENT, 2 ADDITIONAL STRANDS AT THE TOP OF THE GIRDER TO FACILITATE TYING OF THE REINFORCING STEEL. THESE STRANDS SHALL BE PULLED TO A LOAD

|  | PROJECT N  | NOU     | -2707 | ,                     |  |
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|  | FOR  | SYTH    | CO    | UNTY                  |  |
|  | STATION:90+25.00 -L  |         |       |                       |  |
|  | SHEET 6 OF 7 BRIDGE  |         |       | E NO.656              |  |
| AECOM TECHNICAL SERVICES, INC.<br>701 CORPORATE CENTER DRIVE, SUITE 475<br>RALEIGH, NC 27607<br>(919) 854-6200 www.aecom.com<br>AECOM License No. F-0342 | AECOM TECHNICAL SERVICES, INC.<br>701 CORPORATE CENTER DRIVE, SUITE 475<br>RALEIGH, NC 27607<br>(919) 854-6200 www.aecom.com |         |       |                       |  |
| NORTH CAROL<br>NORTH CAROL<br>ROFESSION<br>SEAL<br>Bocusignestor<br>474  | PRESTRESSED CONCRETE GIRD<br>CONTINUOUS FOR LIVE LOAD<br>DETAILS   |         |       |                       |  |
| JOCHN (. MORVISON  | RE<br>NO. BY: DATE:  | VISIONS | DATE: | SHEET NO.<br>S-19     |  |
| RED 1/12/2016  | 1 2  | 3<br>4  |       | total<br>Sheets<br>86 |  |

STD.NO.PCG9 (Sht.3)