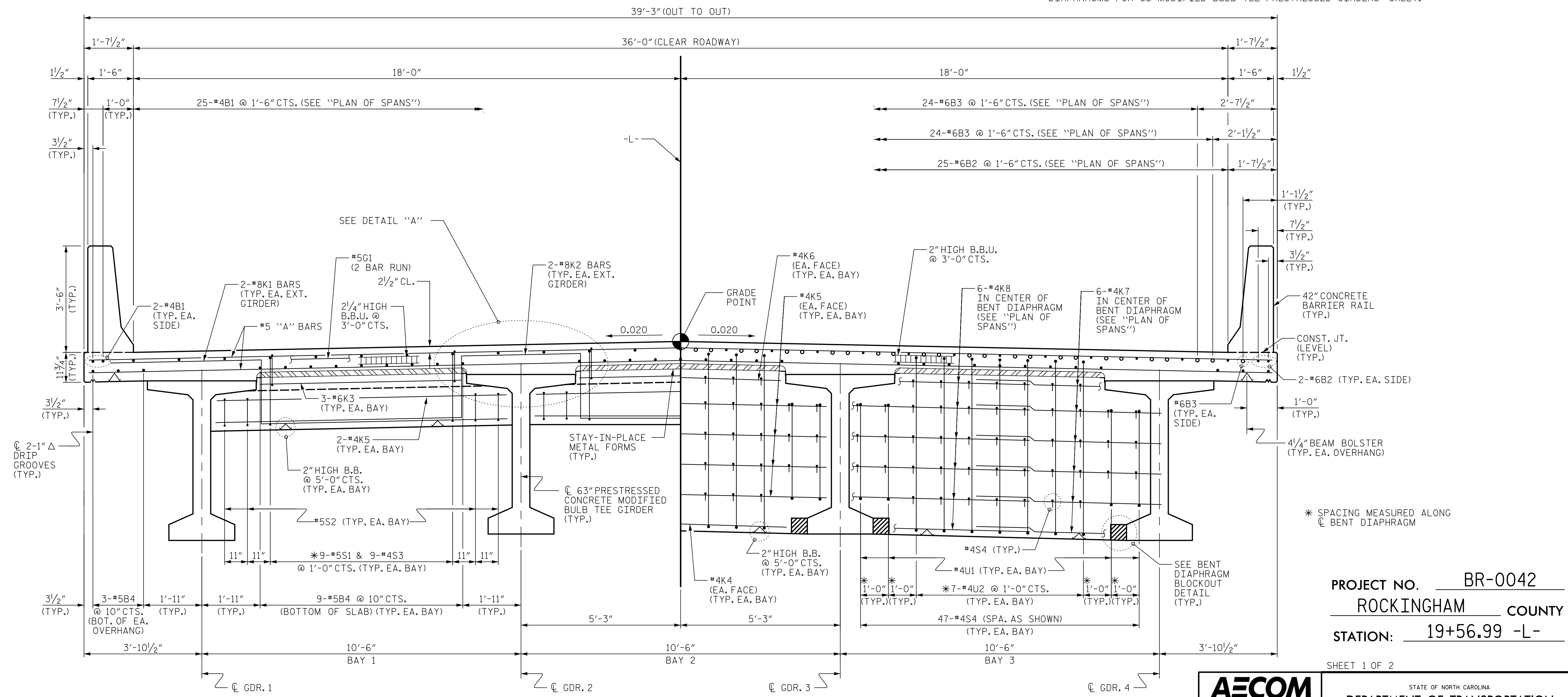


DATE: 5/27/2019  
TIME: 12:55:44 PM

USER: nusrat\p001\Drawings\Projects\60571036 - BR-0042\Bridges\000\_CAD\5151910\_CAD\VO\_MCDOT\_TIP\Structures\04\_Drawings\000\_S05\_BR-0042\_SMLT.dgn

NOTES:

- PROVIDE 1/4" HIGH BEAM BOLSTERS UPPER AT 4'-0" CTS. ATOP THE METAL STAY-IN-PLACE FORMS TO SUPPORT THE BOTTOM MAT OF "A" BARS. WHEN USING REMOVABLE FORMS, PROVIDE CONTINUOUS HIGH CHAIRS FOR METAL DECK (C.H.C.M) @ 4'-0" CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF "A" BARS A CLEAR DISTANCE OF 2 1/2" ABOVE THE TOP OF THE REMOVABLE FORM.
- LONGITUDINAL STEEL MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH STIRRUPS IN PRESTRESSED CONCRETE GIRDERS.
- PREVIOUSLY CAST CONCRETE IN A CONTINUOUS UNIT SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE UNIT.
- BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
- FOR CONCRETE BARRIER RAIL REINFORCING AND DETAILS, SEE "CONCRETE BARRIER RAIL" SHEET.
- FOR INTERMEDIATE STEEL DIAPHRAGMS SEE "FRAMING PLAN" SHEET AND "INTERMEDIATE STEEL DIAPHRAGMS FOR 63" MODIFIED BULB TEE PRESTRESSED GIRDERS" SHEET.



\* SPACING MEASURED ALONG  
CL BENT DIAPHRAGM

PARTIAL TYPICAL SECTION  
(SHOWING END BENT DIAPHRAGM)

PARTIAL TYPICAL SECTION  
(SHOWING CONTINUOUS FOR LIVE LOAD BENT DIAPHRAGM)

TYPICAL SECTION

PROJECT NO. BR-0042  
ROCKINGHAM COUNTY  
 STATION: 19+56.99 -L-

SHEET 1 OF 2

DRAWN BY : T.B. STUMP	DATE : 05/2019
CHECKED BY : J.C. MORRISON	DATE : 05/2019
DESIGNED BY : T.B. STUMP	DATE : 05/2019
DESIGN CHECKED BY : J.C. MORRISON	DATE : 05/2019

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

**AECOM**  
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 AECOM License No. F-0342

Designed by:  
*John C. Morrison*  
 NORTH CAROLINA  
 PROFESSIONAL  
 SEAL  
 030474  
 ENGINEER  
 JOHN C. MORRISON  
 5/27/2019

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE					
TYPICAL SECTION					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					S-05
TOTAL SHEETS					28