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AT THE CONTRACTOR'S OPTION, METAL F ACCORDANCE WITH THE REQUIREMENTS THE ALTERNATE MATERIALS: HOWEVER. TH MATERIAL ON ALL STRUCTURES ON THE

MATERIAL FOR POSTS, BASES AND RAILS MATERIAL FOR RIVETS SHALL BE ASTM POINT COLD DRIVEN AS PER DRAWING. THE BASE OF RAIL POSTS, OR ANY OTHE COATED WITH AN ALUMINUM IMPREGNAT MATERIAL FOR SHIMS TO BE ASTM B209 U

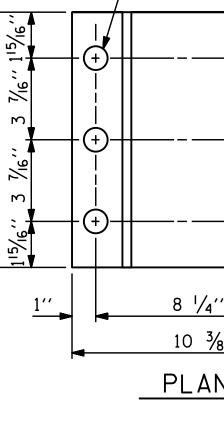
MATERIAL AND GALVANIZING ARE TO CO POST, POST BASES, RAILS, EXPANSION B GALVANIZED TO AASHTO M111. RIVETS: RIVETS SHALL MEET THE REQU THE CUT ENDS OF GALVANIZED STEEL R RICH PAINT MEETING THE REQUIREMEN FEDERAL SPECIFICATIONS TT-P-641. SHIMS: SHIMS SHALL MEET THE REQUIR SHALL BE GALVANIZED IN ACCORDANCE RAIL CAPS: RAIL CAPS SHALL MEET THE AND SHALL BE GALVANIZED IN ACCORDA

RAILING SHALL BE CONTINUOUS FROM BE SPLICED AS DETAILED. PANEL LENG PLACE ONE JOINT SPLICE JUST BEYOND PLACE OTHER JOINTS AS NEEDED. FOR END OF RAIL TO CLEAR FACE OF C CAP SCREWS SHALL BE ASTM F593 ALLO THE REQUIREMENTS OF ASTM F844 EXCE CERTIFIED MILL REPORTS ARE REQUIRE METAL RAIL POSTS SHALL BE SET NORM METHOD OF MEASUREMENT FOR METAL R. SPECIFICATIONS.

CURVED RAIL USAGE: WHERE RAILS ARE THE CONTRACTOR MAY, AT HIS OPTION, IN THE FIELD. IN EITHER EVENT, THE F CURVATURE IN A UNIFORM MANNER ACC TO INSURE FUTURE IDENTIFICATION OF ON EACH POST. THE METHOD OF MARKING THE APPEARANCE OF THE POST, BUT REM SHIMS SHALL BE USED AS NECESSARY F ALLOY 6351-T5 MAY BE SUBSTITUTED F MINOR VARIATIONS IN DETAILS OF ME DESIRED, SHALL BE SUBMITTED FOR APP

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NOTES	
RAIL MAY BE EITHER ALUMINUM OR GALVANIZED STEEL IN OF THE GENERAL NOTES AND THE FOLLOWING SPECIFICATIONS FOR HE CONTRACTOR WILL BE REQUIRED TO USE THE SAME RAIL PROJECT FOR WHICH METAL RAIL IS DESIGNATED.	
ALUMINUM RAILS	
S, EXPANSION BARS AND CLAMP BARS SHALL BE ASTM B221 ALLOY 6061-T6. B316 ALLOY 6061-T6.RIVETS SHALL BE STANDARD BUTTON HEAD AND CONE	
ER ALUMINUM SURFACE IN CONTACT WITH CONCRETE SHALL BE THOROUGHLY TED CAULKING COMPOUND OF APPROVED QUALITY. 09 ALLOY 6061-T6.	
GALVANIZED STEEL RAILS	
CONFORM TO THE FOLLOWING SPECIFICATIONS:	
BARS AND CLAMP BARS : AASHTO M270 GRADE 36 STRUCTURAL STEEL -	
RAILING, AFTER GRINDING SMOOTH SHALL BE GIVEN TWO COATS OF ZINC NTS OF FEDERAL SPECIFICATION MIL-P-26915 USAF TYPE 1, OR OF	
REMENTS OF ASTM A570 FOR GRADE 33 OR A611 FOR GRADE C AND WITH AASHTO M111.	
HE REQUIREMENTS OF ASTM A570 FOR GRADE 33 OR A611 FOR GRADE C ANCE WITH AASHTO M111.	
GENERAL NOTES	
END POST TO END POST OF BRIDGE. EACH JOINT IN RAIL LENGTH SHALL GTHS OF RAIL SHALL BE ATTACHED TO A MINIMUM OF THREE POSTS. D THE 3RD RAIL POST FROM EACH END, TYPICALLY 14' FROM THE END.	
CONCRETE END POST DIMENSION, SEE STANDARD NO. BMR7.	
OY 305 STAINLESS STEEL.WASHERS FOR RAIL ATTACHMENT SHALL MEET EPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL.	
ED FOR RAILS AND POSTS. SHOP INSPECTION IS NOT REQUIRED. MAL TO CURB GRADE.	
RAILS: FOR LENGTH OF METAL RAILS TO BE PAID FOR, SEE THE STANDARD	
E TO BE USED ON BRIDGES ON HORIZONTAL AND/OR VERTICAL CURVATURE HAVE THE REQUIRED CURVATURE IN THE RAIL FORMED IN THE SHOP OR RAIL SHALL CONFORM WITHOUT BUCKLING OR KINKING TO THE REQUIRED CEPTABLE TO THE ENGINEER.	
OF THE FABRICATOR, A PERMANENT IDENTIFYING MARK SHALL BE PLACED IG AND LOCATION SHALL BE SUCH THAT IT DOES NOT DETRACT FROM MAIN VISIBLE AFTER RAIL PLACEMENT.	
FOR POST ALIGNMENT.	
FOR ALLOY 6061-T6 WHERE APPLICABLE.	
ETAL RAIL WILL BE CONSIDERED.DETAILS OF SUCH VARIATIONS,IF PROVAL.	
H = <u>120.32 LIN.FT.</u>	
DRILL & COUNTERBORE FOR ¾″Ø[16 THREAD] CAP SCREW	
	PROJECT NO. U-3440
2 - ¾''Ø HOLES	CABARRUS COUNTY
STATION: 68+25.60 -L-	
<u>↓</u> 1 ¹ /8″	SHEET 1 OF 3
	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
N N RTH CARO	STANDARD
SEAL 031480	
Pourstand by	3 BAR METAL RAIL
Donald K. Smith, Jr EDC87706174B490	(RIGHT LANE)
8/18/2016	

-EDC87706174B490... 8/18/2016 REVISIONS SHEET NO. S2-18 DATE: BY: DATE: BY: NO. DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS 37 STR.#2