



1/12/2016 9:25:08 AM

DATE: TIME:

90'-0"

-L-

SPAN D

OCUMENT NOT C

LAND BENT 2

<u>,</u>₩.P. #7

¦← FILL FACE @

END BENT 2

## PLAN OF RAIL POST SPACINGS

,—₩.P. #4

EBENT 3

478′-11″

FINAL UNLES SIGNATURES CC

69′-5<sup>|</sup>/2″

20 SPACES @ 6'-4"

<u>,</u>₩.P. #6

⊢€ BENT 5

<u>\_\_\_\_\_SPAN\_F</u>

69′-7″

,—₩.P. #5

EBENT 4

<u>SPAN E</u>

STRUCTURAL CO	
	CONSIST OF THE FOLLOWING COMPONENTS: HE REQUIREMENTS OF AASHTO M169, GRADE 12L14 AND $\frac{1}{2}$
$5 \times 1\frac{5}{8}$ " Bolt with washer.Bolt shall Her shall be galvanized. (At the conjuged as an alternate for the $\frac{3}{4}$ " Ø	CONFORM TO THE REQUIREMENTS OF ASTM A307.BOLT TRACTOR'S OPTION, STAINLESS STEEL BOLT AND WASHER K 15%'' GALVANIZED BOLT AND WASHER.THEY SHALL EMENTS OF ASTM A307.THE USE OF THIS ALTERNATE
VE A MINIMUM TENSILE STRENGTH OF 10 UM TENSILE STRENGTH OF 90,000 PSI IS NO	TES
METAL RAIL TO EN AIL TO END POST CONNECTION SHALL COM	D POST CONNECTION NSIST OF THE FOLLOWING COMPONENTS:
CTURAL CONCRETE INSERT SHALL HAVE A	DE 36 AND SHALL BE GALVANIZED AFTER FABRICATION. WORKING LOAD SHEAR CAPACITY OF 4800 LBS. THE TH 2'' O.D. WASHER IN PLACE. THE $\frac{3}{4}$ '' Ø X 15%'' BOLT
VE N.C. THREADS.	ALL CONFORM TO THE REQUIREMENTS OF ASTM F593 ALLOY
NLESS STEEL. CAP SCREWS TO BE CENTER	RED IN SLOTS AT 60°F.
PE SLEEVES (IF REQUIRED) TO BE GALVAN	IZED.
	REWS USED IN THE METAL RAIL TO END POST CONNECTION ID FOR LINEAR FEET OF 1 OR 2 BAR METAL RAILS.
JCTURAL CONCRETE INSERT WITH BOLT SH	ALL BE ASSEMBLED IN THE SHOP. ASSEMBLY, AND THE 1/2" PLATES COMPLETE IN PLACE
CLUDED IN THE VARIOUS PAY ITEMS.	
SERT EMBEDDED IN THE END POST.IF THE ASHER SHALL BE REPLACED WITH A $3\!$	VE BONDING SYSTEM IN LIEU OF THE STRUCTURAL E ADHESIVE BONDING SYSTEM IS USED, THE $\frac{3}{4}$ " Ø X 15%" X 6 $\frac{1}{2}$ " BOLT AND 2" O.D. WASHER. ALL SPECIFICATIONS TO THE $\frac{3}{4}$ "Ø X 6 $\frac{1}{2}$ " BOLT. FIELD TESTING OF THE
	€ JOINT @ END BENT
	$\frac{2'-0''}{2} = \frac{3'-0''}{2}$
-Ç JOINT @ END BENT 2	$\frac{1'-2''}{3'-2''} = \frac{5'-1''}{3'-9''}$
<u>3'-9 /</u>	
SEE DETAIL ``A'' (TYP.)	10'-0"
	<u>DETAIL ``A''</u> Ier rail detials on approach ``Bridge approach slab details''
-W.P. #7	PROJECT NO. U-2707
	FORSYTH COUNTY
FILL FACE @ END BENT 2	STATION: 90+25.00 -L-
	SHEET 1 OF 3 BRIDGE NO. 656
AECOM TECHNICAL SE 701 CORPORATE CENTER O RALEIGH, NC 2 (919) 854-6200 AECOM License No	DEPARIMENT OF TRANSPORTATION RVICES, INC. DRIVE, SUITE 475 7607 WWW.aecom.com DEPARIMENT OF TRANSPORTATION RALEIGH STANDARD
	RAIL POST SPACINGS
NORTH CARC	FOR ONE OR TWO BAR METAL RAILS
CUMENT NOT CONSIDERED	
CUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	NO. BY: DATE: NO. BY: DATE: STOTAL SHEETS   1 3 4 86 86
	STD. NO. BMR2

NOTES STRUCTURAL CONCRETE INSERT