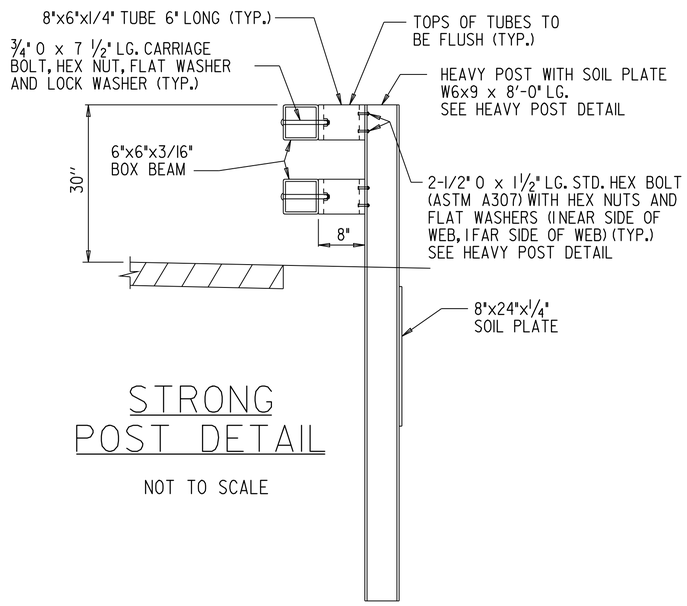
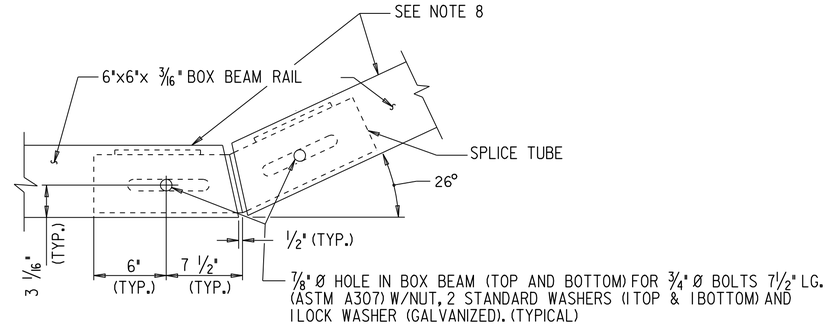
BRIDGE QUANTITY SUMMARY

FIELD STATION	FIELD STATION		BRIDGE NO.	525.10 REMOVAL OF EXIST. RAILING	621.30 BOX BEAM GUARDRAIL (GALV.) (MOD. 3)	REMARKS
				METERS	FEET (METERS)	
					89-5 27.25M	
7+894.14	7+920.87	LT	181	7	~~87'-8''~~ (26.73M)	SEE SHEET 46 FOR DETAILS
					89-5 27.25M	
7+894.14	7+920.87	RT	181	7	~~87'-8''~~ (26.73M)	SEE SHEET 46 FOR DETAILS
					79-4 24.18M	
9+335.00	9+359.00	LT	185	-	~~78'-8''~~ ~~(23.98M)~~	SEE SHEET 48 FOR DETAILS
11+456.14	11+501.86	RT	186	26	150'-0'' (45.72M)	SEE SHEET 47 FOR DETAILS
11+457.14	11+502.86	LT	186	26	150'-0'' (45.72M)	SEE SHEET 47 FOR DETAILS
					558'-2" 170.13	
	SUBTOTAL			66	~~554'-0''~~ ~~(168.88M)~~	
	ROUNDING			4	~~3'-8''~~ ~~(1.12M)~~	
					558'-2" 170.13	
	TOTALS			70	~~557'-8''~~ ~~(170.00M)~~	



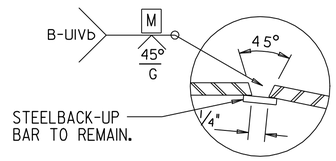
STRONG POST DETAIL

NOT TO SCALE



SPLICE DETAIL AT TURN BACK IN LOWER TRANSITION GUARD RAIL

NOT TO SCALE

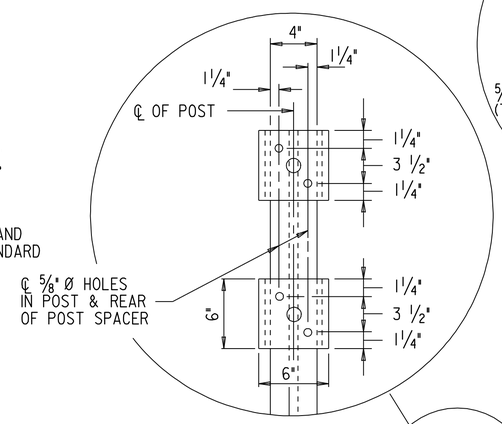


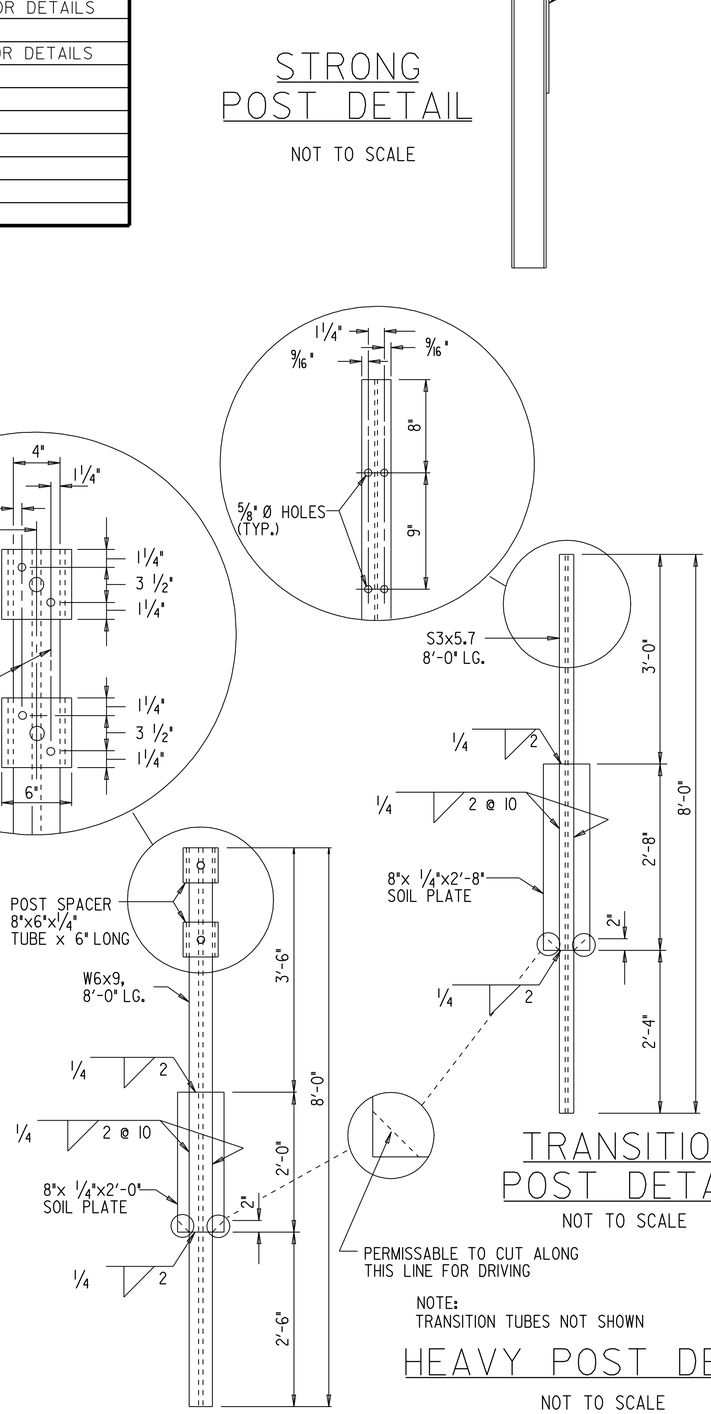
WELD DETAIL FOR SPLICE TUBE

NOT TO SCALE

NOTES:

1. ALL BOX BEAM DETAIL DIMENSIONS ARE IN ENGLISH UNITS. THE FINAL QUANTITIES HAVE BEEN CONVERTED TO METRIC FOR PAYMENT.
2. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL CONFORM TO THE CURRENT SPECIFICATION FOR BOX BEAM GUARD RAIL. REFER TO STANDARD G-IBM FOR DETAILS. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL BE GALVANIZED.
3. FOR DETAILS OF STANDARD POST, EXTRA LONG POST, RAIL ELEMENT, RAIL SUPPORT ANGLE, SPLICE CONNECTIONS, END COVER PLATE, TYPE I AND TYPE II END ASSEMBLIES AND DELINEATION DEVICE, SEE THE VAOT STANDARD SHEET G-IBM, "BOX BEAM GUARD RAIL."
4. IN LOCATIONS OF STANDARD BOX BEAM PLACEMENT (SUCH AS RAIL CONTINUING BEYOND THE END OF RUB RAIL), EXTRA LONG POSTS SHALL BE USED IF THE TOP OF EMBANKMENT IS LESS THAN ONE METER (3') BEHIND THE FACE OF RAIL. REFER TO STANDARD G-IBM FOR DETAILS OF EXTRA LONG POSTS.
5. THE BOX BEAM RAIL AND LOWER RUB RAIL SHALL BE SHOP BENT TO THE INDICATED RADIUS AT ALL NECESSARY LOCATIONS DETAILED IN THESE PLANS. THE RADIUS SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO FABRICATION.
6. THE COST OF ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE WORK SHOWN FOR THESE DETAILS SHALL BE INCIDENTAL TO THE ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3). THE LENGTH OF THE LOWER BOX BEAM GUARD RAIL (RUB RAIL), INCLUDING ALL TURN BACK MATERIALS, SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3).
7. BOX BEAM BRIDGE RAIL HEIGHT (30") SHALL TRANSITION TO THE NORMAL ROADWAY HEIGHT OF 27" AT THE POINT WHERE THE LOWER RUB RAIL TURNS BACK UNDER THE UPPER BOX BEAM RAIL.
8. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE INSIDE WALLS OF THE SPLICE AREA.
9. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE OUTSIDE WALLS OF THE SPLICE TUBE OR THE OUTSIDE SURFACES OF THE FILL PLATE.
10. THE COST OF PROVIDING AND INSTALLING NEW BRIDGE POSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3).





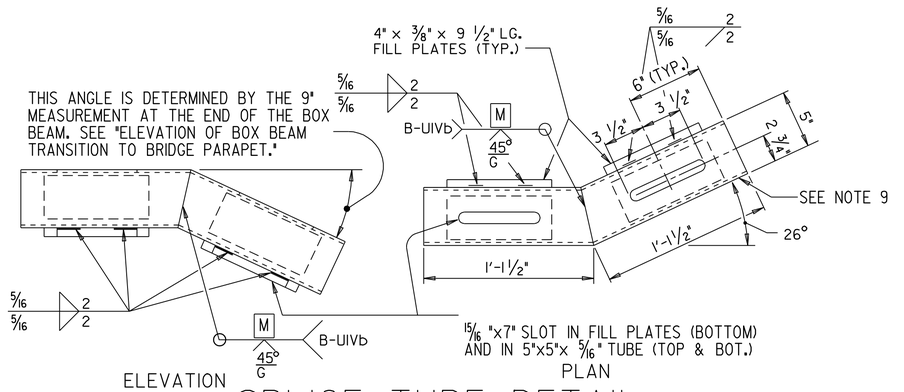
TRANSITION POST DETAIL

NOT TO SCALE

NOTE:
TRANSITION TUBES NOT SHOWN

HEAVY POST DETAIL

NOT TO SCALE



SPLICE TUBE DETAIL FOR TURN BACK

NOT TO SCALE

BRIDGE SUMMARY/ DETAIL SHEET

PROJECT: WAITSFIELD - MORETOWN	PROJECT NO.: STP 2227(I)S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058brgl.i	PLOT DATE: 23-MAY-2008
SURVEYED BY: LEW	SURVEY DATE: 7/05
SQUAD LEADER: LEW	DRAWN BY: T/05
	SHEET: 45 OF 54