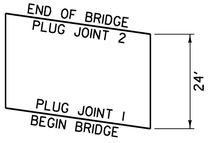


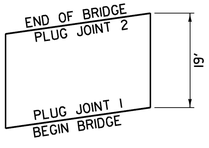
GRANVILLE BRIDGE #157
FIELD STA. 4+61 (MM 0.087)

JOINT	STATION	LENGTH
1	4+49	39' - 0"
2	4+72	42' - 0"
	BRIDGE #157	81' - 0"

TOTAL LENGTH OF JOINT

BRIDGE #	516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE
	LF	CF
157	81	10
158	79	10
159	70	10
160	74	10
SUBTOTAL	304	40
ROUNDING	6	0
TOTAL	310	40

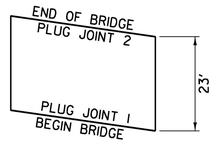
REFER TO BRIDGE JOINT ASPHALTIC PLUG, STRUCTURES DETAIL SD-516.10



GRANVILLE BRIDGE #158
FIELD STA. 15+27 (MM 0.289)

JOINT	STATION	LENGTH
1	15+20	40' - 0"
2	15+36	39' - 0"
	BRIDGE #158	79' - 0"

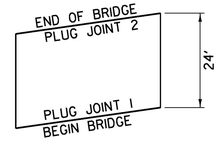
TOTAL LENGTH OF JOINT



GRANVILLE BRIDGE #159
FIELD STA. 36+53 (MM 0.692)

JOINT	STATION	LENGTH
1	36+41	35' - 0"
2	36+64	35' - 0"
	BRIDGE #159	70' - 0"

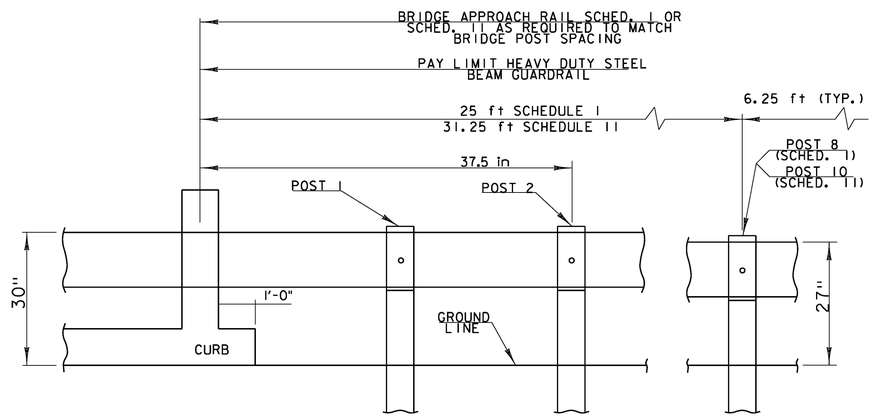
TOTAL LENGTH OF JOINT



GRANVILLE BRIDGE #160
FIELD STA. 47+59 (MM 0.901)

JOINT	STATION	LENGTH
1	47+46	37' - 0"
2	47+70	37' - 0"
	BRIDGE #160	74' - 0"

TOTAL LENGTH OF JOINT



BRIDGE APPROACH RAILING

NOTES:

1. SEE VAOT STANDARDS G-1 AND G1-d FOR ADDITIONAL DETAILS.
2. BRIDGE APPROACH RAILING HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAILING POST 1.
5. SPLICES SHALL LAP IN THE DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK.
7. SEE STANDARD SHEET G-1 FOR DELINIATION DETAILS AND PLACEMENT.
8. ERECT DELINIATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT WILL BE INCIDENTAL TO OTHER ITEMS.
9. ~~ALL HEAVY DUTY STEEL BEAM BRIDGE RAILING, OFFSET BLOCKS AND RELATED HARDWARE WILL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING ITEMS AS DENOTED IN THE PLANS.~~
10. ~~ALL STEEL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SUBSECTION 726.08.~~
11. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10.

SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½''	1.4 x 12.5 ft
2	3'-1½''	
3	3'-1½''	
4	3'-1½''	
5	4'-2''	1.2 x 12.5 ft
6	4'-2''	
7	4'-2''	
8	6'-3'' (TYP.)	1.0 (TYP.)
9		

SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½''	1.4 X 18.75 ft
2	3'-1½''	
3	3'-1½''	
4	3'-1½''	
5	3'-1½''	
6	3'-1½''	
7	4'-2''	1.2 x 12.5 ft
8	4'-2''	
9	4'-2''	
10	6'-3'' (TYP.)	1.0 (TYP.)
11		

PROJECT NAME: GRANVILLE
PROJECT NUMBER: ER STP 013-4(40)

FILE NAME: z12b520bridgedetail.dgn PLOT DATE: 7/8/2015
PROJECT LEADER: J. TUCKER DRAWN BY: B. BRESLEND
DESIGNED BY: B. BRESLEND CHECKED BY: C. LATHROP
BRIDGE DETAIL SHEET 3 SHEET 24 OF 141