

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK (MM)	525.40 MOD. 2 (M)	621.20 (M)	621.21 (M)	621.54 (EA)	621.60 (EA)	621.80 (M)	621.81 (M)	REMARKS
0+819.4 TO 0+956.2	LT	11	150	19	76	25	2		138.4		INSTALL MELT AT STA. 0+819.4 AND 0+944.8.
0+836.0 TO 0+912.8	RT	11	150	19	34.2	25		4	73.8		INSTALL ANCHORS AT STA. 0+836.0 AND 0+912.8. (SEE VAOT STANDARD G1-d)
1+200.5 TO 1+276.9	LT	12	150	19	30.4	20	1	2	63.0		INSTALL MELT AT STA. 1+200.5. INSTALL ANCHOR AT STA. 1+276.9. (SEE VAOT STANDARD G1-d)
1+208.1 TO 1+287.9	RT	12	150	19	22.8	20	2		86.4		INSTALL MELT AT STA. 1+208.1 AND 1+287.9.
TOTALS				76	163.4	90	5	6	361.6		

SCHEDULE I

POST NO.	SPACING	PAYMENT FACTOR
1		
2	0.95 M	1.4 x 3.8 M
3	0.95 M	
4	0.95 M	
5	0.95 M	
6	1.27 M	1.2 x 3.8 M
7	1.27 M	
8	1.27 M	
9	1.90 M (TYP.)	1.0 (TYP.)

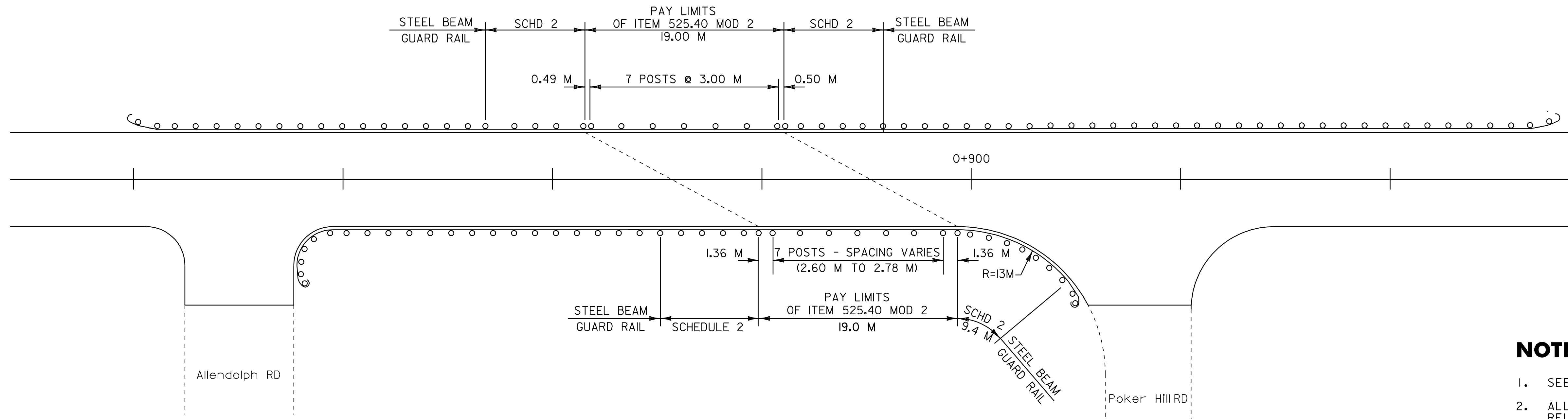
SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1		
2	0.95 M	1.4 x 5.7 M
3	0.95 M	
4	0.95 M	
5	0.95 M	
6	0.95 M	
7	0.95 M	1.2 x 3.8 M
8	1.27 M	
9	1.27 M	
10	1.27 M	1.0 (TYP.)
11	1.90 M (TYP.)	



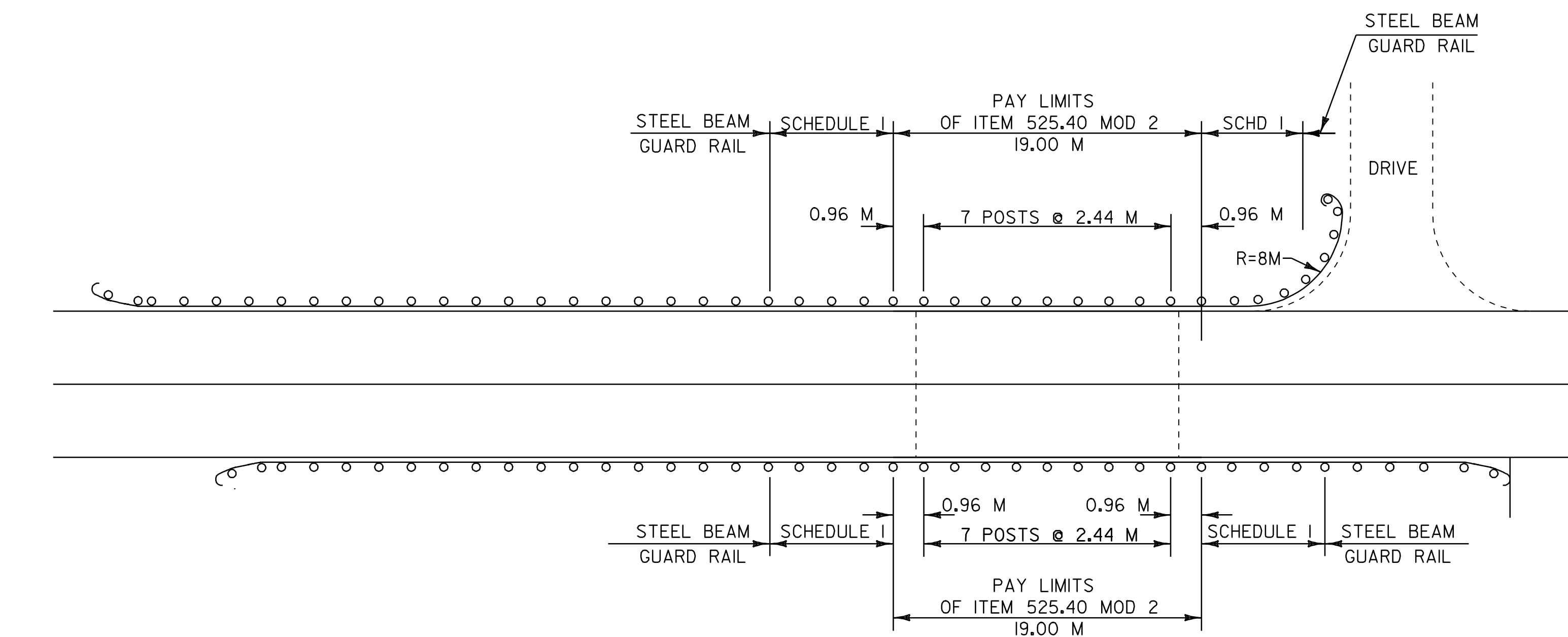
BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1 USE SCHEDULE I FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST USE SCHEDULE II FOR APPROACH RAILING.



DETAIL OF STEEL BEAM GUARD RAIL AT BRIDGE 11

UNDERHILL, STA. 0+879.7, LT. & RT.



DETAIL OF STEEL BEAM GUARD RAIL AT BRIDGE 12

UNDERHILL, STA. 1+259.4, LT. & RT.

NOTES:

- SEE STANDARD G-1 AND G-1d FOR ADDITIONAL DETAILS.
- ALL HEAVY DUTY STEEL BEAM BRIDGE RAIL, OFFSET BLOCKS AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE ITEM 525.40 MOD. 2, "BRIDGE RAILING HEAVY DUTY STEEL BEAM/CURB MOUNTED".
- ALL OFFSET BLOCKS AND FIXTURES SHALL BE ASTM A-36 EXCEPT AS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO A-123.
- SEE STANDARD SHEET G-1d FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
- BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
- BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.6 M.
- APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.6 M FROM THE ENDS OF THE BRIDGE.
- FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS POSSIBLE TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH POST.
- SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
- SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
- ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 M APART PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.

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NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT WHERE OTHERWISE INDICATED

DATUM
VERTICAL N/A
HORIZONTAL N/A

**GUARD RAIL
DETAILS
SHEET #2**

NOT TO SCALE

SURVEYED BY	N/A	DATE	N/A
DESIGN BY	JLL/GAE	DATE	11/96
DRAWN BY	W-M	DATE	11/96
DESIGN FILE NO.	/pave/92b221/pb221.dgn		
IPARM FILE	pb221d+6.i	DATE	PLOTTED-SEP-2009 09
PROJ. NAME	ESSEX-UNDERHILL		
PROJ. NO.	STP 9469(1)S		
SHEET	38 OF 40 SHEETS		