BRIDGE QUANTITY SHEET

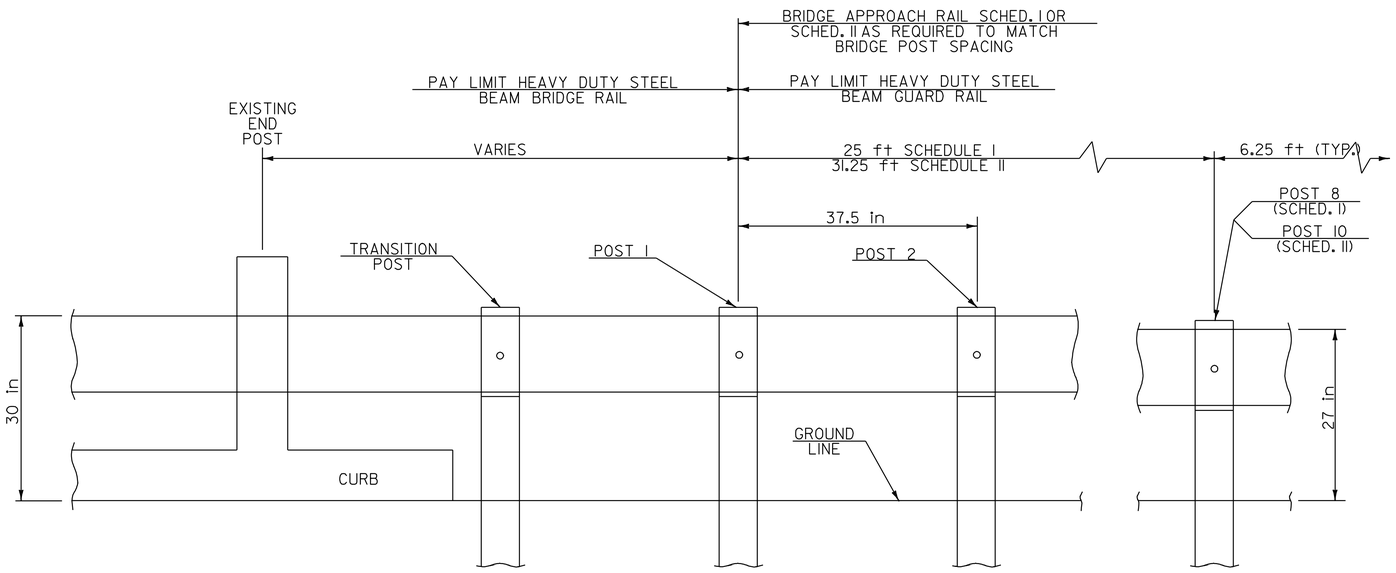
STATION	POS.	BRIDGE NO.	OFFSET BLOCK	525.10	525.40 MOD. 1	525.40 MOD. 2	525.41 MOD. 1						REMARKS
			IN	FT	FT	FT	FT						
CAMBRIDGE													
STA 143+15 TO 143+40	LT	2	8	25	25								
STA 143+15 TO 143+40	RT	2	8	25	25								
STA 187+44 TO 188+25	LT	3	8	81.25			81.25						
STA 187+44 TO 188+25	RT	3	8	81.25			81.25						
BELVIDERE													
STA 7+56 TO 8+43	LT	7	8	87.5		87.5							
STA 7+56 TO 8+43	RT	7	8	87.5		87.5							
STA 132+40 TO 132+90	LT	10	4	50		50							
STA 132+40 TO 132+90	RT	10	4	50		50							
SUBTOTAL				487.5	50	275.0	162.50						
ROUNDING				~~2.5~~	--	--	~~2.50~~						
TOTALS				~~490~~ 487.5	50	275.0	~~165.0~~ 162.5						

NOTES

1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25 FEET.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 25 FEET FROM THE ENDS OF THE BRIDGE.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.

ITEM 501.22	CONCRETE CLASS A	1 CY (EST)
ITEM 507.15	REINFORCING STEEL	200 LBS (EST)

AN ESTIMATED QUANTITY OF ITEM 501.22, CONCRETE CLASS A, AND ITEM 507.15, REINFORCING STEEL, HAS BEEN ADDED TO REPAIR DAMAGED BRIDGE POSTS/DECK @ POST ANCHOR BOLTS IF NECCESARY. REMOVAL OF EXISTING DAMAGED BRIDGE POSTS/DECK WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR AS REMOVAL OF CONCRETE OR MASONRY, ITEM 529.25.



BRIDGE APPROACH RAILING

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 BRIDGE END POST USE SCHEDULE II FOR APPROACH RAILING.

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		

BRIDGE DETAIL SHEET #1

DESIGNED BY BCE/PJM DATE 8-05
DRAWN BY C.E.A., INC. DATE 8-05
DESIGN FILE NO. p99cl90.dgn
PRF FILE p99cl90bdl.i DATE PLOTTED 12-DEC-2008 09
PROJ. NAME **CAMBRIDGE – BELVIDERE**
PROJ. NO. **STP 2219(1)S**
SHEET **34** OF **37** SHEETS