

### BRIDGE QUANTITY SUMMARY

| STATION | STATION  | POS. | BRIDGE NO. | OFFSET BLOCK | 525.10<br>REMOVAL OF EXIST. RAILING | 525.40<br>H.D.S.B. CURB MTD. (MOD 1) | 525.40<br>H.D.S.B. CURB MTD. (MOD 2) | 525.40<br>H.D.S.B. CURB MTD. (MOD 3) | 525.41<br>H.D.S.B. FASCIA MTD. | 525.41<br>H.D.S.B. FASCIA MTD. (MOD 2) | 525.41<br>H.D.S.B. FASCIA MTD. (MOD 3) | 529.25<br>REMOVAL OF CONC. OR MASONRY | REMARKS                   |
|---------|----------|------|------------|--------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|--|--|---------------------------------------|---------------------------|
| DOVER   |          |      |            |              |                                     |                                      |                                      |                                      |                                |  |  |                                       |                           |
| 1+378   | 1+405    | RT   | 56         | 150          | 27                                  |                                      |                                      |                                      | 26.6                           |  |  |                                       | SEE BRIDGE DETAIL SHEET 2 |
| 1+387   | 1+414    | LT   | 56         | 150          | 27                                  |                                      |                                      |                                      | 27                             |  |  |                                       | SEE BRIDGE DETAIL SHEET 2 |
|         |          |      |            |              |                                     |                                      |                                      |                                      | 26.6                           |  |  |                                       |                           |
| 2+578   | 2+597    | LT   | 58         | 150          | 19                                  |                                      |                                      | 19.1                                 |                                |  |  |                                       | SEE BRIDGE DETAIL SHEET 3 |
| 2+594   | 2+613    | RT   | 58         | 150          | 19                                  |                                      |                                      | 19.1                                 |                                |  |  |                                       | SEE BRIDGE DETAIL SHEET 3 |
| 3+428   | 3+439    | RT   | 59         | 150          | 11                                  |                                      |                                      |                                      | 11.4                           |  |  |                                       | SEE BRIDGE DETAIL SHEET 4 |
| 3+436   | 3+447    | LT   | 59         | 150          | 11                                  |                                      |                                      |                                      | 11.4                           |  |  |                                       | SEE BRIDGE DETAIL SHEET 4 |
|         | SUBTOTAL |      |            |              | 114                                 |                                      |                                      | 38.2                                 | 76.0                           |  |  |                                       |                           |
|         | ROUNDING |      |            |              | 0                                   |                                      |                                      | 0                                    | 0                              |  |  |                                       |                           |
|         | TOTALS   |      |            |              | 114                                 |                                      |                                      | 38.2                                 | 76.0                           |  |  |                                       |                           |

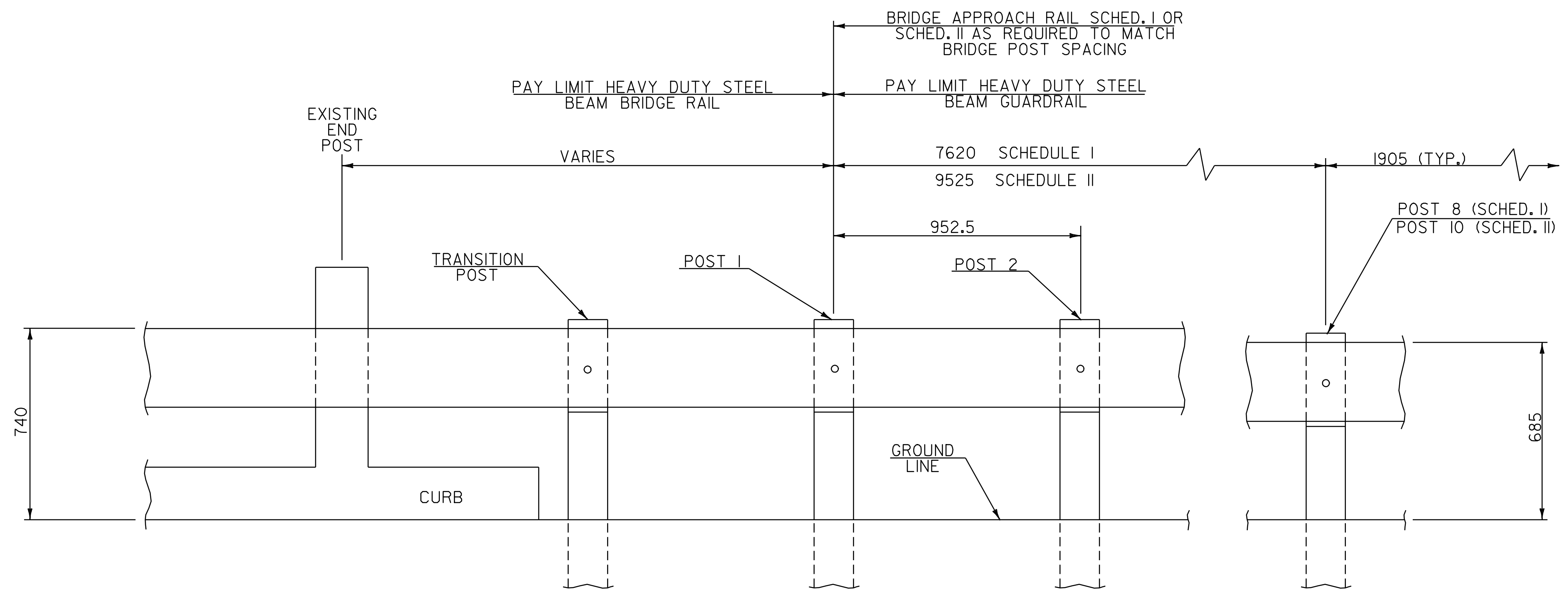
### NOTES

1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.62 METERS.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.62 METERS FOR SCHEDULE I OR 9.525 METERS FOR SCHEDULE II 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.
6. SEE STANDARD SHEET G-1M FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 METERS APART PAYMENT SHALL BE SUBSIDIARY TO THE GUARDRAIL ITEMS IN THE CONTRACT.
8. AN ESTIMATED QUANTITY OF ITEM 501.22 CONCRETE CLASS A AND ITEM 507.15 REINFORCING STEEL HAVE BEEN ADDED TO REPAIR BRIDGE DAMAGE CAUSED BY REMOVING EXISTING BRIDGE RAIL.

ITEM 501.22 CONCRETE CLASS A                      1 M3 (EST) NOT USED ON PROJECT  
 ITEM 507.15 REINFORCING STEEL                      100 KG (EST) NOT USED ON PROJECT

### 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.



### BRIDGE APPROACH RAILING

NOT TO SCALE

| SCHEDULE I |             |                |
|------------|-------------|----------------|
| POST NO.   | SPACING     | PAYMENT FACTOR |
| 1          | 952.5       | 1.4 x 3810     |
| 2          | 952.5       |                |
| 3          | 952.5       |                |
| 4          | 952.5       |                |
| 5          | 952.5       |                |
| 6          | 1270        | 1.2 x 3810     |
| 7          | 1270        |                |
| 8          | 1270        |                |
| 9          | 1905 (TYP.) | 1.0 (TYP.)     |

| SCHEDULE II |             |                |
|-------------|-------------|----------------|
| POST NO.    | SPACING     | PAYMENT FACTOR |
| 1           | 952.5       | 1.4 x 5715     |
| 2           | 952.5       |                |
| 3           | 952.5       |                |
| 4           | 952.5       |                |
| 5           | 952.5       |                |
| 6           | 952.5       | 1.2 x 3810     |
| 7           | 952.5       |                |
| 8           | 1270        |                |
| 9           | 1270        | 1.0 (TYP.)     |
| 10          | 1270        |                |
| 11          | 1905 (TYP.) |                |

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |

|                                       |  |                           |
|---------------------------------------|--|---------------------------|
| <b>BRIDGE<br/>DETAIL<br/>SHEET #1</b> | PROJECT: DOVER - STRATTON                | PROJECT NO.: STP 2214(I)S |
|                                       | DESIGN FILE NAME: /pave/99b180/pb180.dgn | PLOT DATE: 24-MAY-2007    |
|                                       | IPARM FILE NAME: pb180br01.i             | SURVEY DATE: 5/00         |
|                                       | SQUAD LEADER: WRH                        | DRAWN BY: MPS             |
|                                       | SHEET: 45 OF 49                          |                           |

NOT TO SCALE