

CULVERTS LESS THAN  $d = 900$  mm  
 $X = D + 600$  mm  
CULVERTS WHERE  $d = 900$  mm AND OVER  
 $X = D + 900$  mm

METHOD "A" PIPE BEDDING SHALL BE USED AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:  
RIGID PIPE  
WHEN H IS LESS THAN OR EQUAL TO 9.1 m  
FLEXIBLE PIPE  
AS SHOWN ON TABLES

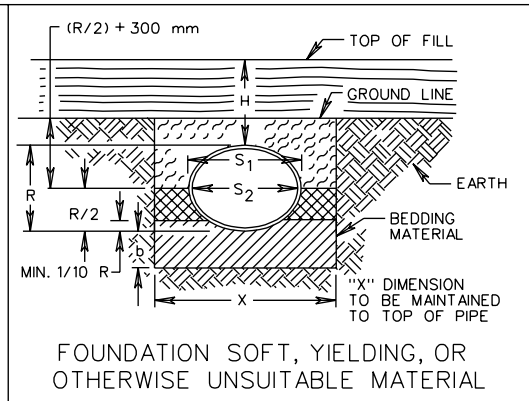
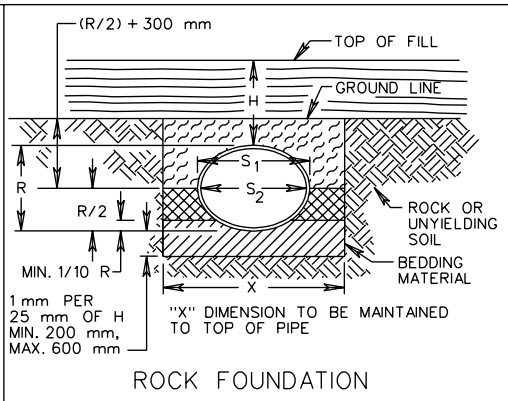
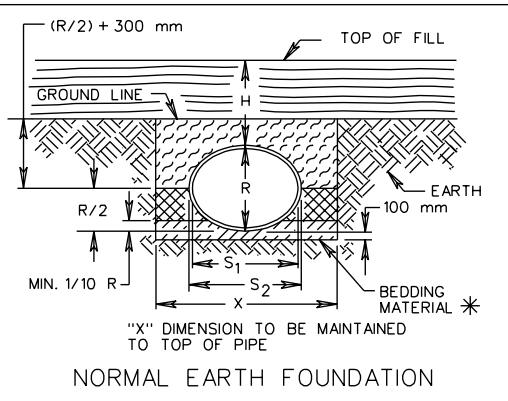
\* MAY BE ELIMINATED UNDER ENTRANCE PIPE EXCEPT FOR PLASTIC PIPE INSTALLATIONS WHERE DIRECTED BY THE ENGINEER.

H = HEIGHT OF COVER MEASURED FROM TOP OF DRAINAGE STRUCTURE TO FINISHED GRADE.  
D = OUTSIDE DIAMETER OF PIPE.  
d = INSIDE DIAMETER OF PIPE.  
b = DEPTH AS SHOWN ON PLANS OR TO FIRM BEARING SOIL.

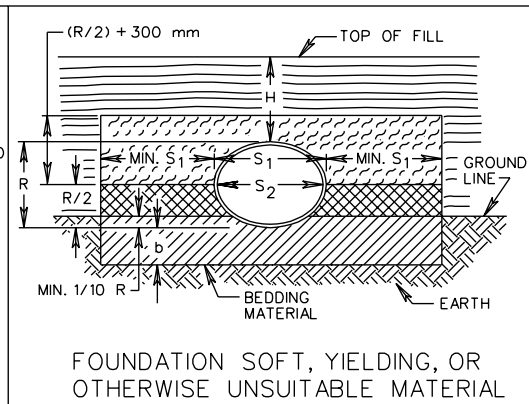
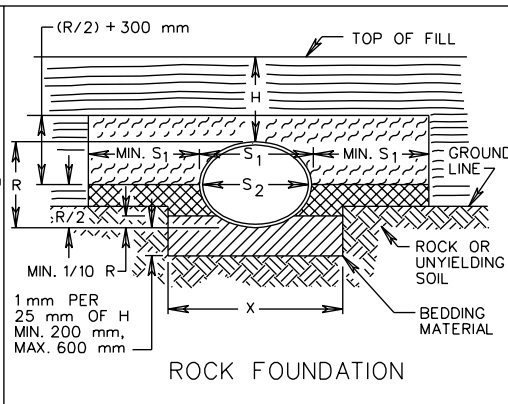
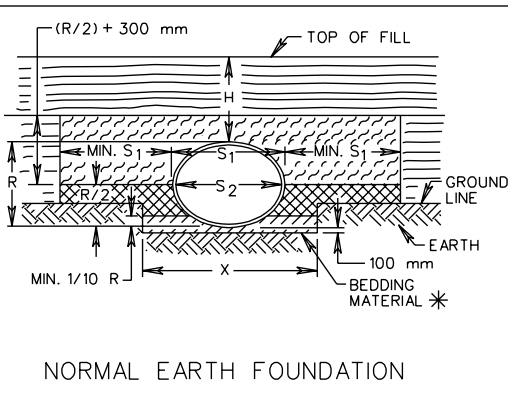
\*\*\* FOR PLASTIC PIPE INSTALLATIONS, CLASS I BACKFILL MATERIAL SHALL BE USED IN LIEU OF CLASS II.

▨ BEDDING MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.  
▩ CLASS I BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.  
▧ CLASS II BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS. \*\*  
▬ EMBANKMENT

NO PROJECTION OF PIPE ABOVE GROUND LINE







PIPE PROJECTION ABOVE GROUND LINE



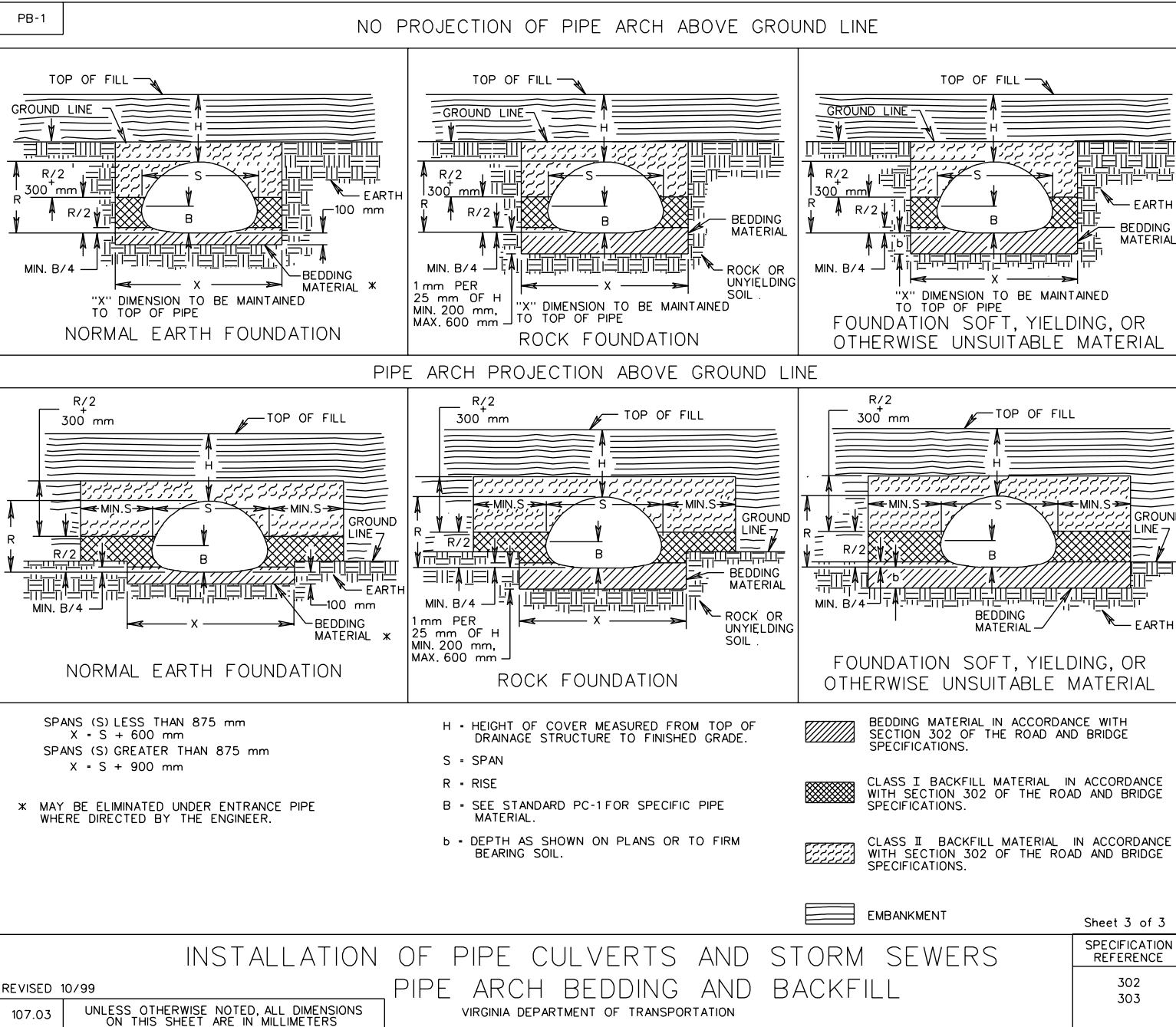
CULVERTS LESS THAN  $S_1 = 900$  mm  
 $X = S_2 + 600$  mm  
 CULVERTS WHERE  $S_1 = 900$  mm AND OVER  
 $X = S_2 + 900$  mm  
 METHOD "A" PIPE BEDDING SHALL BE USED AS FOLLOWS UNLESS OTHERWISE NOTED ON PLANS:  
RIGID PIPE  
 WHEN H IS LESS THAN OR EQUAL TO 9.1m  
FLEXIBLE PIPE  
 AS SHOWN ON TABLES

H = HEIGHT OF COVER MEASURED FROM TOP OF DRAINAGE STRUCTURE TO FINISHED GRADE.  
 $S_1$  = OUTSIDE SPAN OF PIPE.  
 $S_2$  = INSIDE SPAN OF PIPE.  
 R = OUTSIDE RISE OF PIPE.  
 b = DEPTH AS SHOWN ON PLANS OR TO FIRM BEARING SOIL.

-  BEDDING MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
-  CLASS I BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
-  CLASS II BACKFILL MATERIAL IN ACCORDANCE WITH SECTION 302 OF THE ROAD AND BRIDGE SPECIFICATIONS.
-  EMBANKMENT

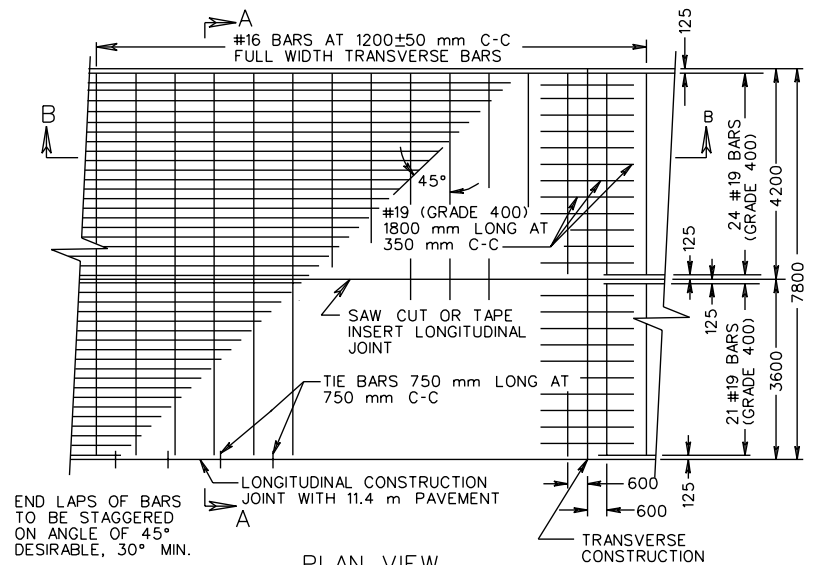
\* MAY BE ELIMINATED UNDER ENTRANCE PIPE WHERE DIRECTED BY THE ENGINEER.

|                         |   |  |               |
|-------------------------|---|--|---------------|
| SPECIFICATION REFERENCE | INSTALLATION OF PIPE CULVERTS AND STORM SEWERS<br>ELLIPTICAL PIPE BEDDING AND BACKFILL - METHOD "A" |  | REVISED 10/99 |
| 302                     | VIRGINIA DEPARTMENT OF TRANSPORTATION   |  |               |
| 303                     | UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS                             |  | 107.02        |

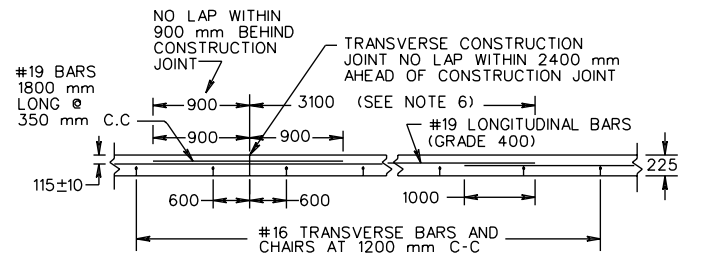


REVISED ON 2/01

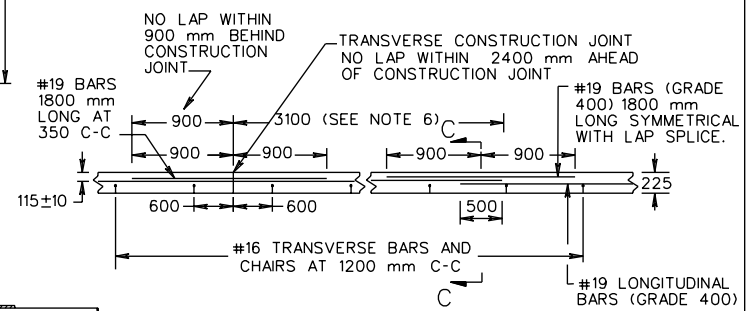
PR-5



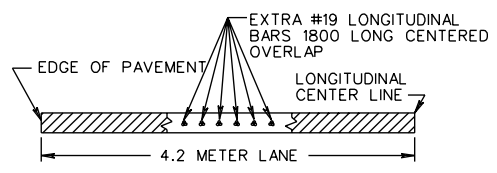
PLAN VIEW  
CONTINUOUSLY REINFORCED  
CONCRETE PAVEMENT



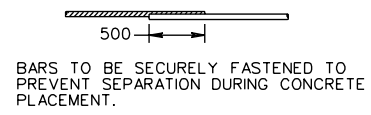
SECTION B-B  
DOUBLE LAP METHOD



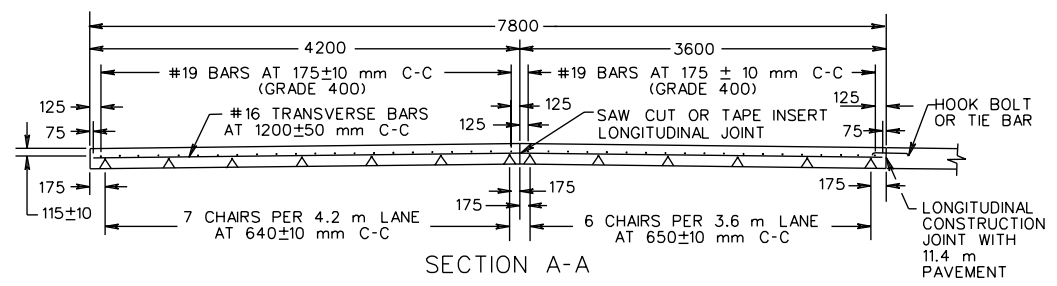
SECTION B-B  
EXTRA BAR METHOD



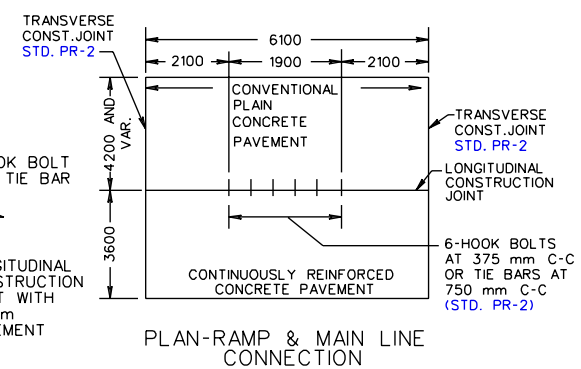
SECTION C-C



TYPICAL  
LONGITUDINAL LAP



SECTION A-A



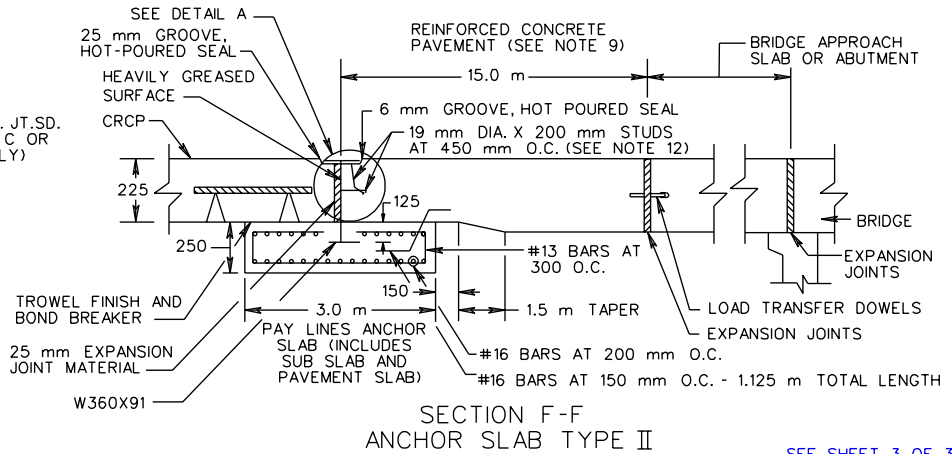
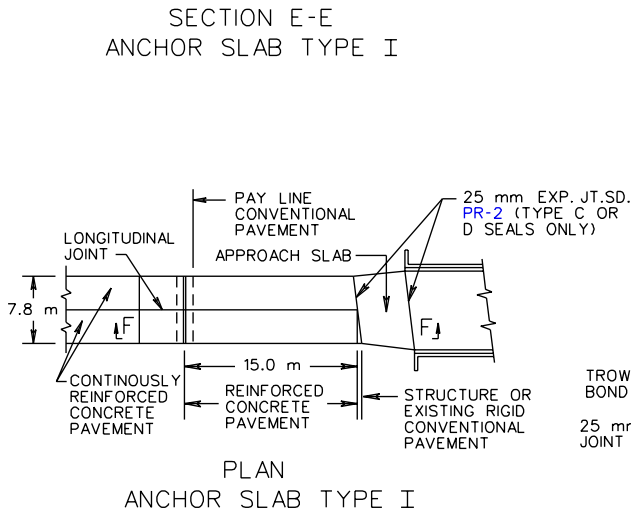
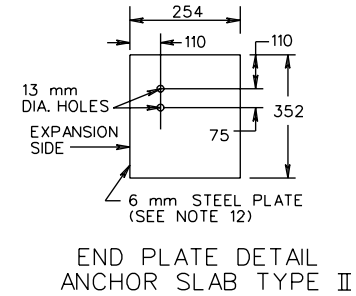
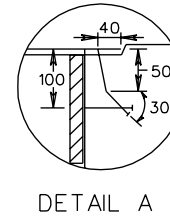
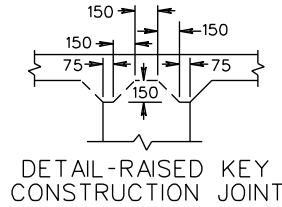
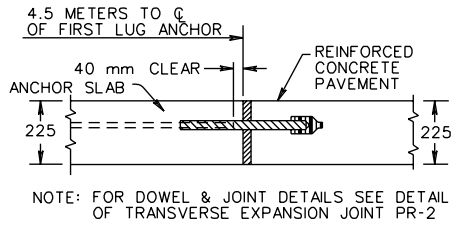
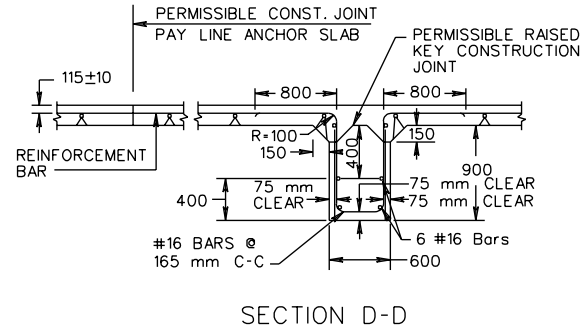
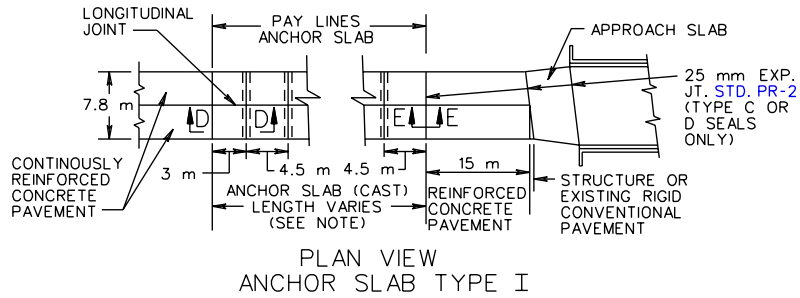
PLAN-RAMP & MAIN LINE  
CONNECTION

SEE SHEET 3 OF 3  
FOR NOTES

SHEET 1 OF 3

|  |   |  |           |
|--|---|--|-----------|
| SPECIFICATION REFERENCE  | 225 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT<br>4.2 m TRAVEL LANE |  | NEW 10/99 |
| 316  | VIRGINIA DEPARTMENT OF TRANSPORTATION                                       |  | 301.11    |
| UNLESS OTHERWISE NOTED, ALL DIMENSIONS<br>ON THIS SHEET ARE IN MILLIMETERS |   |  |           |

PR-5



SHEET 2 OF 3

SEE SHEET 3 OF 3 FOR NOTES

225 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT  
4.2 m TRAVEL LANE

SPECIFICATION REFERENCE

NEW 10/99

301.12

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS

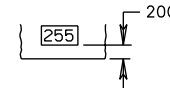
VIRGINIA DEPARTMENT OF TRANSPORTATION

316

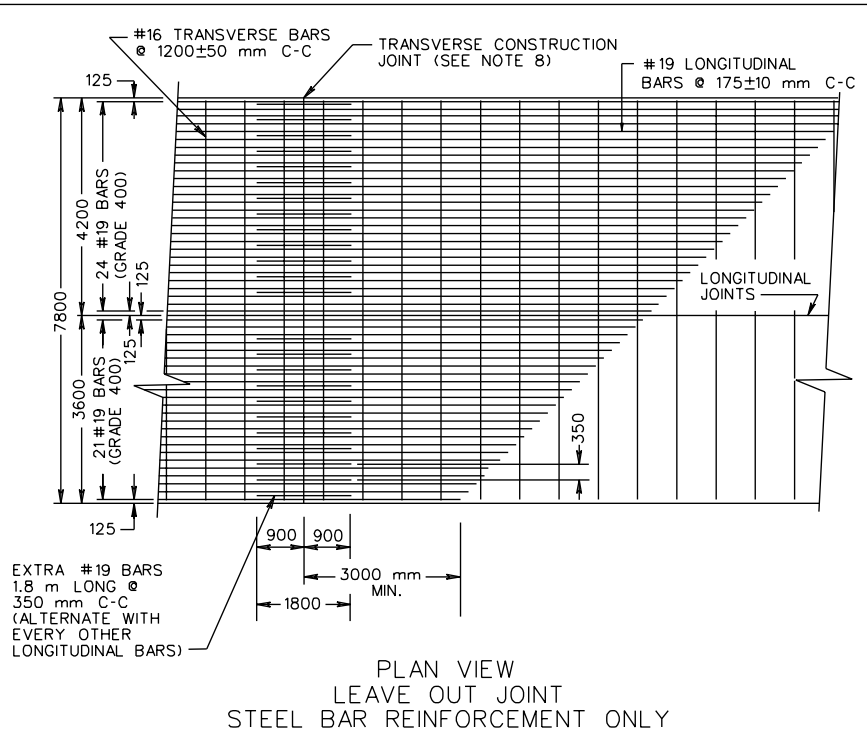
NOTE:

1. HOOK BOLTS OR TIE BARS ARE TO BE PLACED IN THE SAME HORIZONTAL PLANE AS THE #16 TRANSVERSE BARS. WHERE NECESSARY, ADJUST THE LOCATION OF THE HOOK BOLTS OR TIE BARS TO A 70 mm MINIMUM CLEARANCE BETWEEN HOOK BOLTS OR TIE BARS AND TRANSVERSE BARS.
2. TRANSVERSE CONSTRUCTION JOINT BARS ARE TO BE PLACED IN THE SAME HORIZONTAL PLANE AS THE #19 LONGITUDINAL BARS.
3. #19 LONGITUDINAL BARS ARE TO BE LAPPED AND TIED IN THE SAME HORIZONTAL PLANE.
4. FOR THE 11.4 METER WIDTH PAVEMENT USE SINGLE 3.6 METER LANES WITH TWO LONGITUDINAL CONSTRUCTION JOINTS OR 3.6 METER AND 4.2 METER LANES WITH ONE LONGITUDINAL CONSTRUCTION JOINT AND ONE SAW CUT OR TAPE INSERT LONGITUDINAL JOINT. TRANSVERSE BARS SHALL NOT EXTEND THROUGH LONGITUDINAL CONSTRUCTION JOINTS, BUT SHALL EXTEND FULL LENGTH (7.55 m) FOR SAW CUT OR TAPE INSERT LONGITUDINAL JOINT.

5. SMOOTH SURFACE TO BE STEEL TROWELED 200 mm IN FROM EDGE OF PAVEMENT EVERY 150 m, AND THE STATION NUMBER STAMPED INTO IT AS SHOWN BELOW. THE DATE IS TO BE SHOWN IN A SIMILIAR MANNER AT THE BEGINNING OF EACH DAYS POUR. BOTH OUTSIDE EDGES OF DIVIDED HIGHWAY IS TO BE STAMPED. ONE EDGE OF UNDIVIDED HIGHWAY WHERE FEASIBLE (TRAVEL LANE).

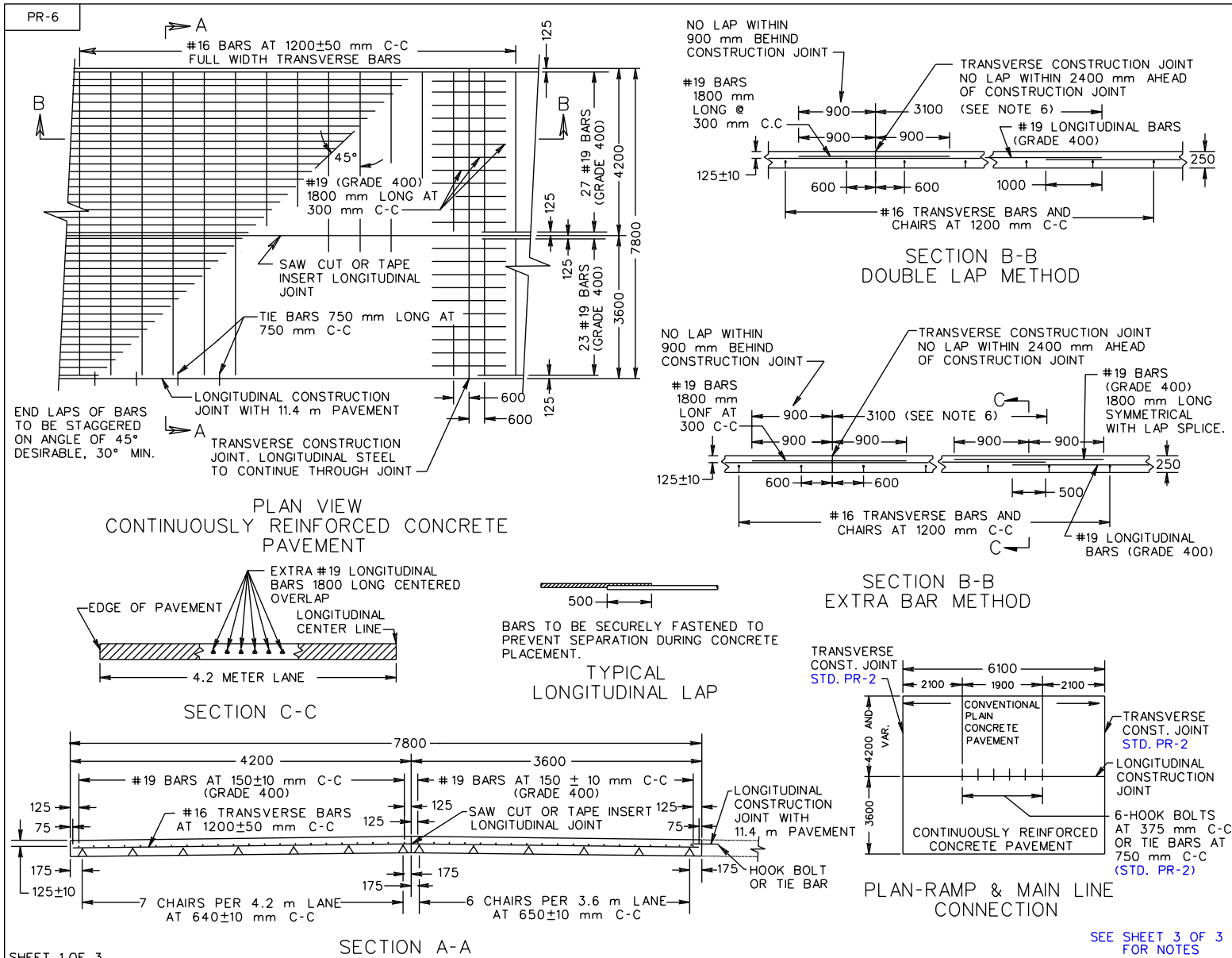


6. DOUBLE LAP REQUIREMENT (1000 mm) AND THE EXTRA BAR METHOD APPLY ONLY TO LAPS FALLING WITHIN AN AREA OF 3.00 m BEYOND THE CONSTRUCTION JOINT.
7. CONCRETE FOR LUG ANCHORS SHALL BE POURED AGAINST COMPACTED SUBGRADE. CONCRETE FOR LUGS AND ANCHOR SLAB MAY BE POURED MONOLITHICALLY OR POURED USING RAISED KEY CONSTRUCTION JOINT METHOD. ADEQUATE CONSOLIDATION OF CONCRETE IN LUGS WILL BE OBTAINED WITHOUT DISPLACING LONGITUDINAL CONTINUOUS STEEL, BY THE USE OF INTERNAL VIBRATION. WHEN LESS THAN FULL WIDTH LUG AND PAVEMENT SLAB IS PLACED, THE #16 TRANSVERSE STEEL IN THE LUGS SHALL BE EXTENDED, LAPPED AND SPLICED AT LEAST 25 DIAMETERS.
8. LONGITUDINAL STEEL TO CONTINUE THROUGH JOINT. EXTRA #19 (GRADE 400) BARS 1.8 m LONG SHALL BE SPACED AT 350 mm C-C.
9. CONCRETE SHOULD BE ADEQUATELY VIBRATED UNDER BEAM FLANGE TO ELIMINATE HONEYCOMBS.
10. ANCHOR SLAB TYPE I IS TO BE USED IN FIRM SOILS ONLY. FOR AASHTO CLASSIFICATION SOILS A-1 THROUGH A-4, 3 ANCHOR LUGS ARE REQUIRED ( ANCHOR SLAB LENGTH = 55' (17m). FOR AASHTO CLASSIFICATION SOILS A-5 THROUGH A-7, 5 ANCHOR LUGS ARE REQUIRED (ANCHOR SLAB LENGTH = 85' (26m). USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TY. I IS USED TO RESTRICT MOVEMENT AGAINST THE STRUCTURE.
11. ANCHOR SLAB TYPE II MUST BE USED WHEN COHESIONLESS OR SOFT CLAY SOILS ARE ENCOUNTERED. USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TY. II ACCOMODATES MOVEMENT OF THE CONTINUOUS PAVEMENT.
12. WELD STEEL END PLATE TO BOTH ENDS OF WF BEAM TO SEAL ENDS. WELD SHEAR CONNECTORS TO WEB AND FLANGE OF WF BEAM.
13. 50 mm MINIMUM CONCRETE COVER FOR STEEL IN SUB-SLABS.
14. WIDE FLANGE BEAM TO BE TREATED WITH CORROSION INHIBITOR PER SECTION 407 OF THE ROAD AND BRIDGE SPECIFICATIONS.



|   |   |  |           |
|---|---|--|-----------|
| SPECIFICATION REFERENCE   | 225 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT<br>4.2 m TRAVEL LANE |  | NEW 10/99 |
| 316   | VIRGINIA DEPARTMENT OF TRANSPORTATION                                       |  | 301.13    |
| UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS |   |  |           |

REVISED ON 2/01



SHEET 1 OF 3

250 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT  
4.2 m TRAVEL LANE

NEW 10/99

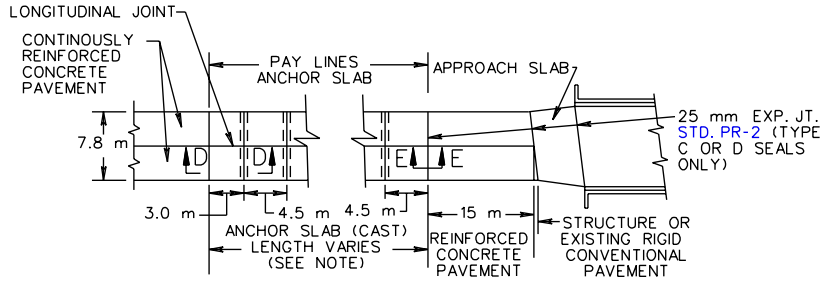
301.14

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS

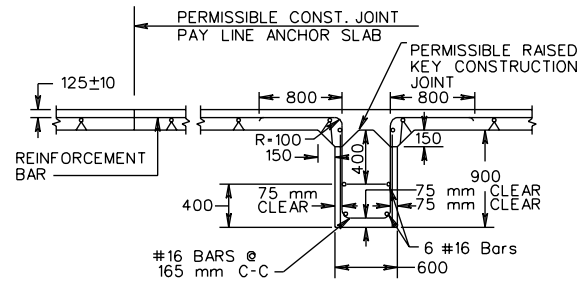
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

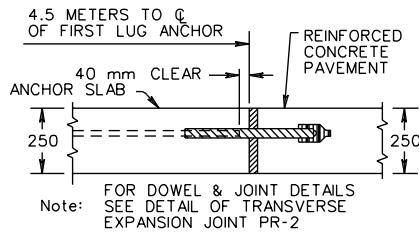
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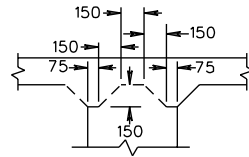
PLAN VIEW  
ANCHOR SLAB TYPE I



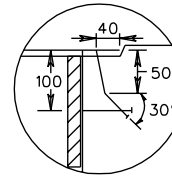
SECTION D-D



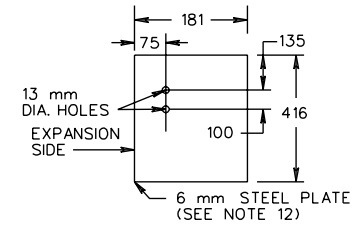
SECTION E-E  
ANCHOR SLAB TYPE I



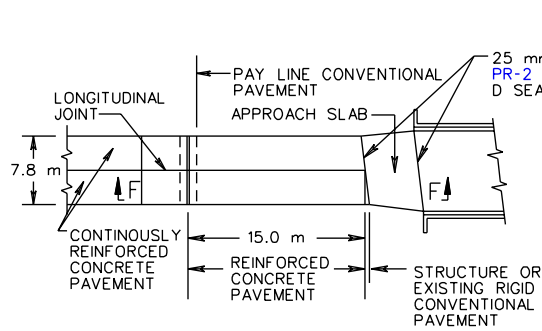
DETAIL-RAISED KEY  
CONSTRUCTION JOINT



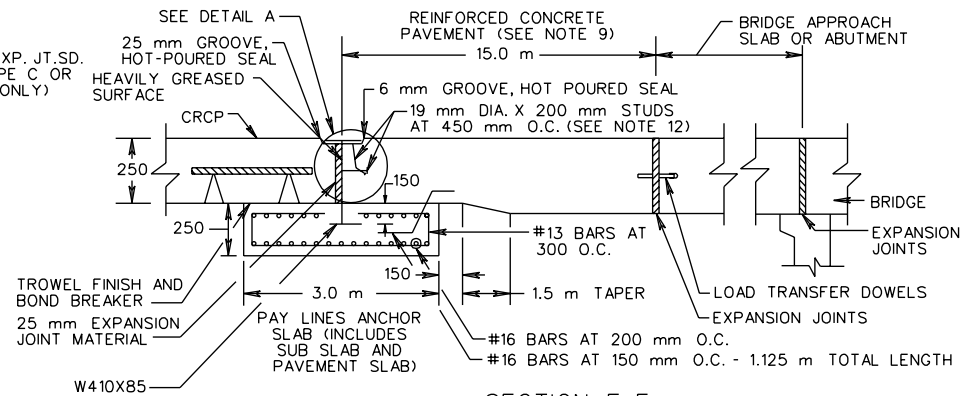
DETAIL A



ANCHOR SLAB TYPE II  
END PLATE DETAIL



PLAN  
ANCHOR SLAB TYPE II



SECTION F-F  
ANCHOR SLAB TYPE II

SEE SHEET 3 OF 3  
FOR NOTES

|                         |   |  |   |
|-------------------------|---|--|---|
| SPECIFICATION REFERENCE | 250 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT<br>4.2 m TRAVEL LANE |  | NEW 10/99   |
| 316                     | VIRGINIA DEPARTMENT OF TRANSPORTATION                                       |  | UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS<br>310.15 |

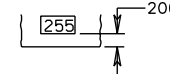


PR-6

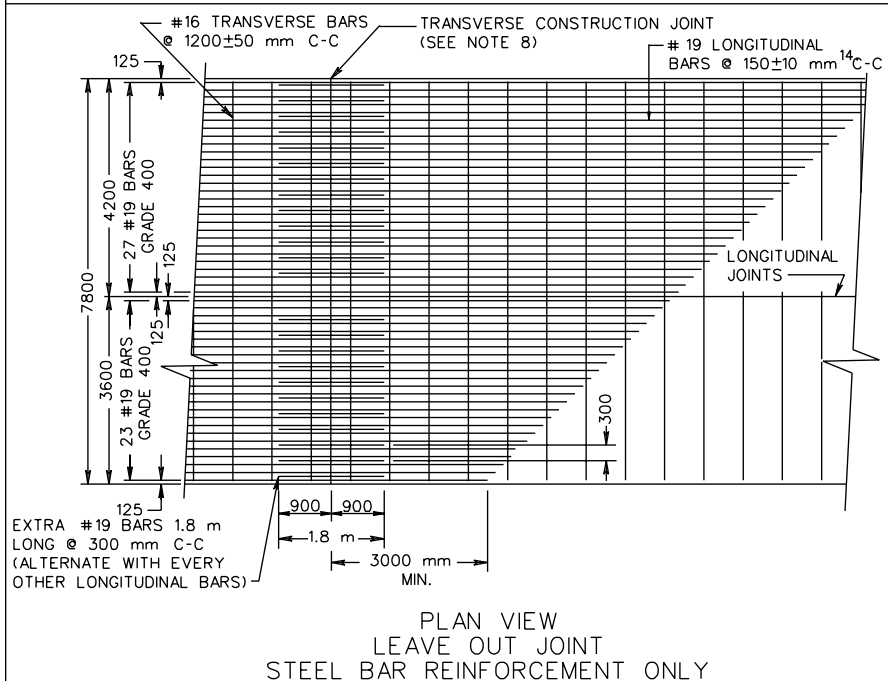
NOTE:

1. HOOK BOLTS OR TIE BARS ARE TO BE PLACED IN THE SAME HORIZONTAL PLANE AS THE #16 TRANSVERSE BARS. WHERE NECESSARY, ADJUST THE LOCATION OF THE HOOK BOLTS OR TIE BARS TO A 70 mm MINIMUM CLEARANCE BETWEEN HOOK BOLTS OR TIE BARS AND TRANSVERSE BARS.
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4. FOR THE 11.4 METER WIDTH PAVEMENT USE SINGLE 3.6 METER LANES WITH TWO LONGITUDINAL CONSTRUCTION JOINTS OR 3.6 METER AND 4.2 METER LANES WITH ONE LONGITUDINAL CONSTRUCTION JOINT AND ONE SAW CUT OR TAPE INSERT LONGITUDINAL JOINT. TRANSVERSE BARS SHALL NOT EXTEND THROUGH LONGITUDINAL CONSTRUCTION JOINTS, BUT SHALL EXTEND FULL LENGTH (7.55 m) FOR SAW CUT OR TAPE INSERT LONGITUDINAL JOINT.

5. SMOOTH SURFACE TO BE STEEL TROWELED 200 mm IN FROM EDGE OF PAVEMENT EVERY 150 m, AND THE STATION NUMBER STAMPED INTO IT AS SHOWN BELOW. THE DATE IS TO BE SHOWN IN A SIMILAR MANNER AT THE BEGINNING OF EACH DAYS POUR. BOTH OUTSIDE EDGES OF DIVIDED HIGHWAY IS TO BE STAMPED. ONE EDGE OF UNDIVIDED HIGHWAY WHERE FEASIBLE (TRAVEL LANE).



6. DOUBLE LAP REQUIREMENT (1000 mm) AND THE EXTRA BAR METHOD APPLY ONLY TO LAPS FALLING WITHIN AN AREA OF 3.00 m BEYOND THE CONSTRUCTION JOINT.
7. CONCRETE FOR LUG ANCHORS SHALL BE POURED AGAINST COMPACTED SUBGRADE. CONCRETE FOR LUGS AND ANCHOR SLAB MAY BE POURED MONOLITHICALLY OR POURED USING RAISED KEY CONSTRUCTION JOINT METHOD. ADEQUATE CONSOLIDATION OF CONCRETE IN LUGS WILL BE OBTAINED WITHOUT DISPLACING LONGITUDINAL CONTINUOUS STEEL. BY THE USE OF INTERNAL VIBRATION. WHEN LESS THAN FULL WIDTH LUG AND PAVEMENT SLAB IS PLACED, THE #16 TRANSVERSE STEEL IN THE LUGS SHALL BE EXTENDED, LAPPED AND SPLICED AT LEAST 25 DIAMETERS.
8. LONGITUDINAL STEEL TO CONTINUE THROUGH JOINT. EXTRA #19 (GRADE 400) BARS 1.8 m LONG SHALL BE SPACED AT 300 mm C-C.
9. CONCRETE SHOULD BE ADEQUATELY VIBRATED UNDER BEAM FLANGE TO ELIMINATE HONEYCOMBS.
10. ANCHOR SLAB TYPE I IS TO BE USED IN FIRM SOILS ONLY. FOR AASHTO CLASSIFICATION SOILS A-1 THROUGH A-4, 3 ANCHOR LUGS ARE REQUIRED (ANCHOR SLAB LENGTH = 17 m). FOR AASHTO CLASSIFICATION SOILS A-5 THROUGH A-7, 5 ANCHOR LUGS ARE REQUIRED (ANCHOR SLAB LENGTH = 26 m). USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TYPE I IS USED TO RESTRICT MOVEMENT AGAINST THE STRUCTURE.
11. ANCHOR SLAB TYPE TYPE II MUST BE USED WHEN COHESIONLESS OR SOFT CLAY SOILS ARE ENCOUNTERED. USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TYPE II ACCOMODATES MOVEMENT OF THE CONTINUOUS PAVEMENT.
12. WELD STEEL END PLATE TO BOTH ENDS OF WF BEAM TO SEAL ENDS. WELD SHEAR CONNECTORS TO WEB AND FLANGE OF WF BEAM.
13. 50 mm MINIMUM CONCRETE COVER FOR STEEL IN SUB-SLABS.
14. WIDE FLANGE BEAM TO TREATED WITH CORROSION INHIBITOR PER SECTION 407 OF THE ROAD AND BRIDGE SPECIFICATIONS.



SHEET 3 OF 3

250 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT  
4.2 m TRAVEL LANE

NEW 10/99

301.16

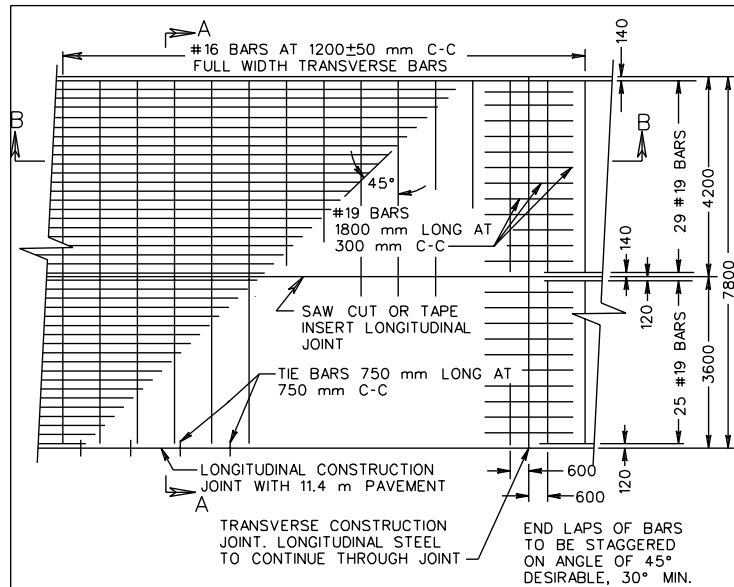
UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS

VIRGINIA DEPARTMENT OF TRANSPORTATION

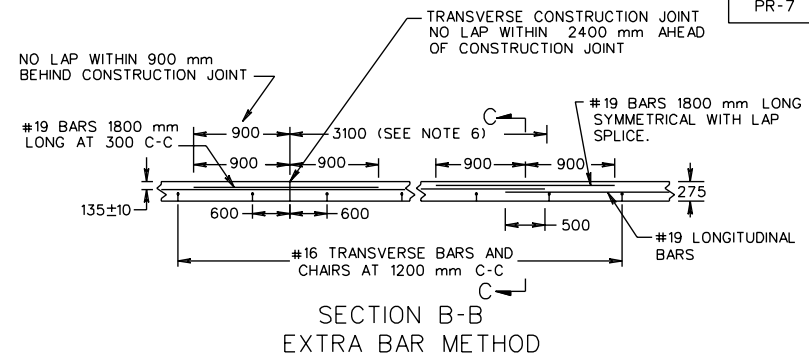
SPECIFICATION REFERENCE

316

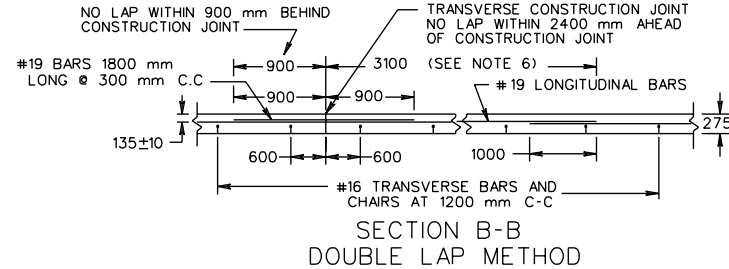
PR-7



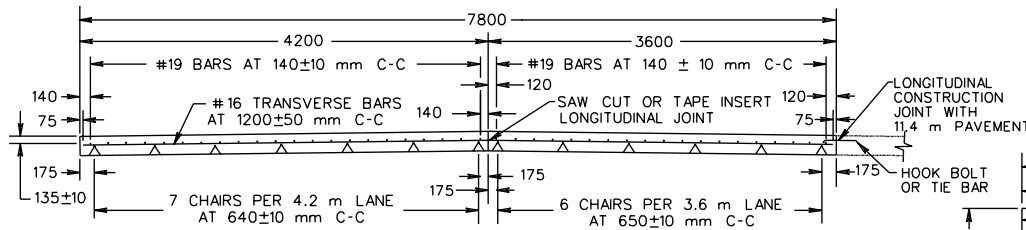
PLAN VIEW  
CONTINUOUSLY REINFORCED CONCRETE PAVEMENT



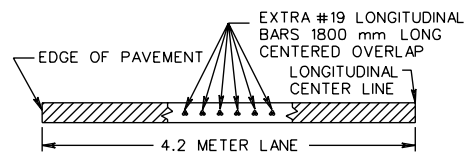
SECTION B-B  
EXTRA BAR METHOD



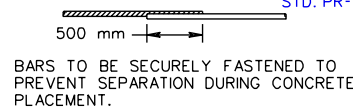
SECTION B-B  
DOUBLE LAP METHOD



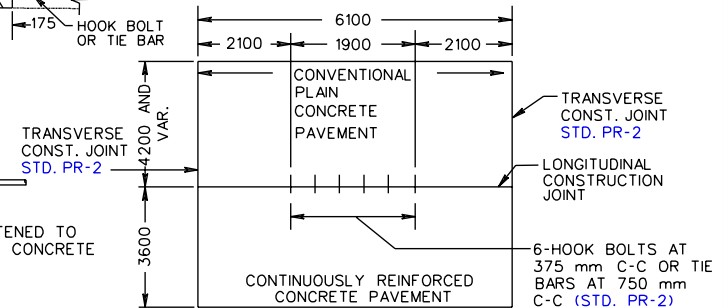
SECTION A-A



SECTION C-C



TYPICAL  
LONGITUDINAL LAP



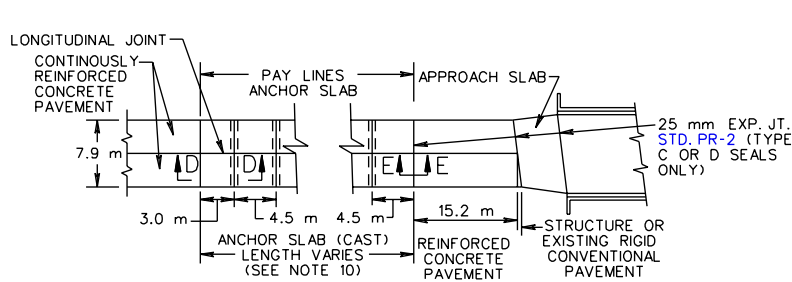
PLAN-RAMP & MAIN LINE  
CONNECTION

SEE SHEET 3 OF 3  
FOR NOTES

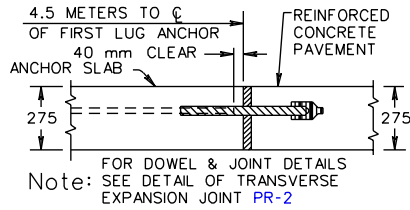
SHEET 1 OF 3

|                         |   |  |   |
|-------------------------|---|--|---|
| SPECIFICATION REFERENCE | 275 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT<br>4.2 m TRAVEL LANE |  | NEW 10/99   |
| 316                     | VIRGINIA DEPARTMENT OF TRANSPORTATION                                       |  | UNLESS OTHERWISE NOTED ALL DIMENSIONS ONB THIS SHEET ARE IN MILLIMETERS<br>301.17 |

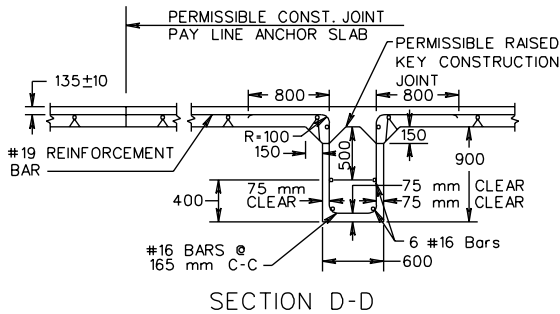
PR-7



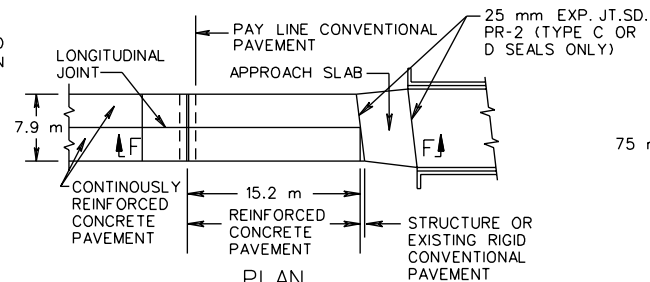
PLAN VIEW  
ANCHOR SLAB TYPE I



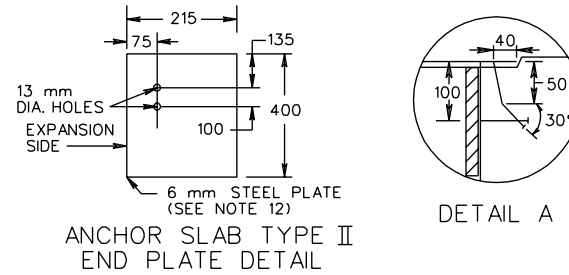
SECTION E-E  
ANCHOR SLAB TYPE I



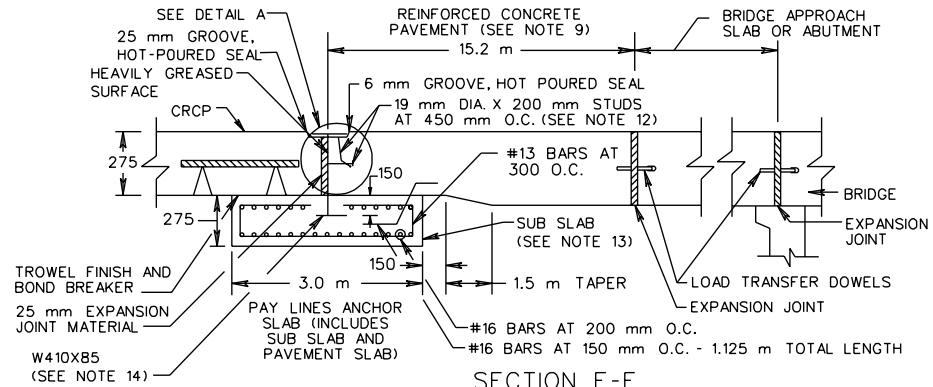
SECTION D-D



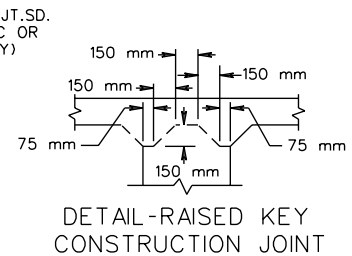
PLAN  
ANCHOR SLAB TYPE II



ANCHOR SLAB TYPE II  
END PLATE DETAIL

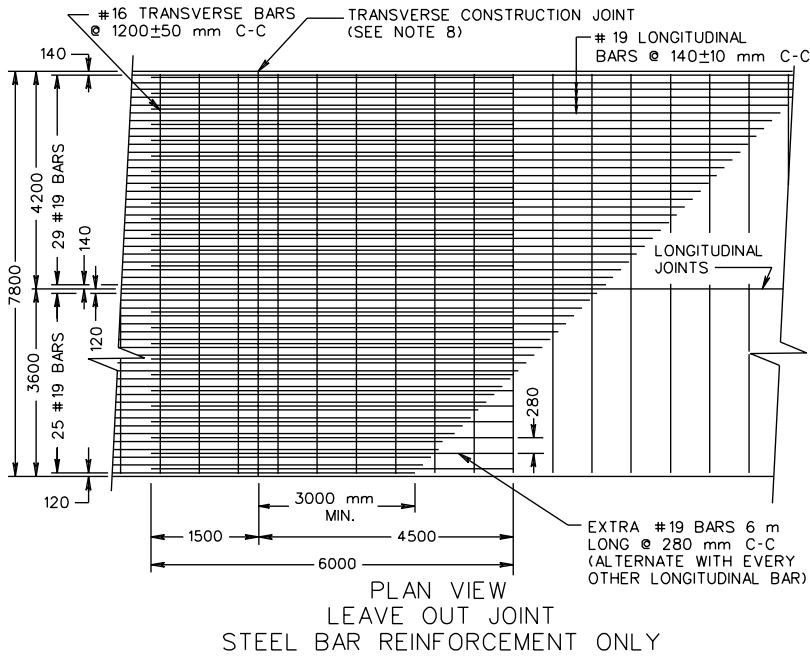


SECTION F-F  
ANCHOR SLAB TYPE II  
(SEE NOTE 11)



DETAIL-RAISED KEY  
CONSTRUCTION JOINT

|   |  |                                    |
|---|--|------------------------------------|
| <p>275 mm THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT<br/>4.2 m TRAVEL LANE</p> |  | <p>SPECIFICATION<br/>REFERENCE</p> |
| <p>New 10/99</p>  | <p>301.18 UNLESS OTHERWISE NOTED ALL DIMENSIONS<br/>ON THIS SHEET ARE IN MILLIMETERS</p> | <p>316</p>                         |
| <p>VIRGINIA DEPARTMENT OF TRANSPORTATION</p>  |  |                                    |



NOTES:

1. HOOK BOLTS OR TIE BARS ARE TO BE PLACED IN THE SAME HORIZONTAL PLANE AS THE #16 TRANSVERSE BARS. WHERE NECESSARY, ADJUST THE LOCATION OF THE HOOK BOLTS OR TIE BARS TO A 70 mm MINIMUM CLEARANCE BETWEEN HOOK BOLTS OR TIE BARS AND TRANSVERSE BARS.
  2. TRANSVERSE CONSTRUCTION JOINT BARS ARE TO BE PLACED IN THE SAME HORIZONTAL PLANE AS THE #19 LONGITUDINAL BARS.
  3. #19 LONGITUDINAL BARS ARE TO BE LAPPED AND TIED IN THE SAME HORIZONTAL PLANE.
  4. FOR THE 11.4 METER WIDTH PAVEMENT USE SINGLE 3.6 METER LANES WITH TWO LONGITUDINAL CONSTRUCTION JOINTS OR 3.6 METER AND 4.2 METER LANES WITH ONE LONGITUDINAL CONSTRUCTION JOINT AND ONE SAW CUT OR TAPE INSERT LONGITUDINAL JOINT. TRANSVERSE BARS SHALL NOT EXTEND THROUGH LONGITUDINAL CONSTRUCTION JOINTS, BUT SHALL EXTEND FULL LENGTH (7.55 m) FOR SAW CUT OR TAPE INSERT LONGITUDINAL JOINT.
  5. SMOOTH SURFACE TO BE STEEL TROWELED 200 mm IN FROM EDGE OF PAVEMENT EVERY 150 m, AND THE STATION NUMBER STAMPED INTO IT AS SHOWN BELOW. THE DATE IS TO BE SHOWN IN A SIMILAR MANNER AT THE BEGINNING OF EACH DAYS POUR. BOTH OUTSIDE EDGES OF DIVIDED HIGHWAY ARE TO BE STAMPED. ONE EDGE OF UNDIVIDED HIGHWAY WHERE FEASIBLE (TRAVEL LANE).
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6. DOUBLE LAP REQUIREMENT (1000 mm) AND THE EXTRA BAR METHOD APPLY ONLY TO LAPS FALLING WITHIN AN AREA OF 3.00 m BEYOND THE CONSTRUCTION JOINT.
  7. CONCRETE FOR LUG ANCHORS SHALL BE POURED AGAINST COMPACTED SUBGRADE. CONCRETE FOR LUGS AND ANCHOR SLAB MAY BE POURED MONOLITHICALLY OR POURED USING RAISED KEY CONSTRUCTION JOINT METHOD. ADEQUATE CONSOLIDATION OF CONCRETE IN LUGS WILL BE OBTAINED WITHOUT DISPLACING LONGITUDINAL CONTINUOUS STEEL BY THE USE OF INTERNAL VIBRATION. WHEN LESS THAN FULL WIDTH LUG AND PAVEMENT SLAB IS PLACED, THE #16 TRANSVERSE STEEL IN THE LUGS SHALL BE EXTENDED, LAPPED AND SPLICED AT LEAST 25 DIAMETERS.
  8. LONGITUDINAL STEEL TO CONTINUE THROUGH JOINT. EXTRA #19 BARS 6.0 m LONG SHALL BE SPACED AT 280 mm C-C.
  9. CONCRETE SHOULD BE ADEQUATELY VIBRATED UNDER BEAM FLANGE TO ELIMINATE HONEYCOMBS.
  10. ANCHOR SLAB TYPE I IS TO BE USED IN FIRM SOILS ONLY. FOR AASHTO CLASSIFICATION SOILS A-1 THROUGH A-4, 3 ANCHOR LUGS ARE REQUIRED (ANCHOR SLAB LENGTH = 17 m. FOR AASHTO CLASSIFICATION SOILS A-5 THROUGH A-7, 5 ANCHOR LUGS ARE REQUIRED (ANCHOR SLAB LENGTH = 26 m). USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TYPE I IS USED TO RESTRICT MOVEMENT AGAINST THE STRUCTURE.
  11. ANCHOR SLAB TYPE TYPE II MUST BE USED WHEN COHESIONLESS OR SOFT CLAY SOILS ARE ENCOUNTERED. USE SAME REINFORCEMENT SIZE AND SPACING AS IN CONTINUOUS PAVEMENT. ANCHOR SLAB TYPE II ACCOMODATES MOVEMENT OF THE CONTINUOUS PAVEMENT.
  12. WELD STEEL END PLATE TO BOTH ENDS OF WF BEAM TO SEAL ENDS. WELD SHEAR CONNECTORS TO WEB AND FLANGE OF WF BEAM.
  13. 50 mm MINIMUM CONCRETE COVER FOR STEEL IN SUB-SLABS.
  14. WIDE FLANGE BEAM TO BE GALVANIZED PER SECTION 233 OF THE ROAD AND BRIDGE SPECIFICATIONS.
  15. ALL REINFORCING BARS SHALL BE GRADE 400 STEEL.

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