A. GENERAL NOTES:

1. PROVIDE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ANCHOR BOLT DETAIL S SPECIFICATIONS, USING MATERIALS AND CONTRACT SPECIFICATIONS.

2. MATERIALS IN ACCORDANCE WITH SECTION 301 AND SECTION 501 TO REMOVE ALL STL FROM SURFACES.

3. SMOOTH ALL STEEL SURFACES AND USES AND TIGHTEN AND OPERATE CORRECTLY, THEN OPENS TO THE DIVISION OF THE CONTRACTOR TO APPLY THE SPECIFIED SIZE OF THE BRASS RINGS (20-40)

4. MILL ALL STEEL SURFACES IN ACCORDANCE WITH SECTION 301 AND SECTION 501 TO REMOVE ALL VL FROM SURFACES.

5. MILL ALL STEEL SURFACES IN ACCORDANCE WITH SECTION 301 AND SECTION 501 TO REMOVE ALL VL FROM SURFACES.

6. MILL ALL STEEL SURFACES IN ACCORDANCE WITH SECTION 301 AND SECTION 501 TO REMOVE ALL VL FROM SURFACES.

7. MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

8. MILL ALL STEEL SURFACES IN ACCORDANCE WITH SECTION 301 AND SECTION 501 TO REMOVE ALL VL FROM SURFACES.

B. MATERIALS:

1. STRUCTURAL STEEL:
   - MATERIAL: ASTM A36 GRADE B
   - MATERIAL: ASTM A572 GRADE 50
   - MATERIAL: ASTM A709 GRADE 50

2. ANCHOR BOLTS:
   - MATERIAL: ASTM A307 GRADE A
   - MATERIAL: ASTM A325 GRADE 5
   - MATERIAL: ASTM A500 GRADE C

3. WASHERS:
   - MATERIAL: ASTM A563 TYPE DH

4. PLATE MATERIALS:
   - MATERIAL: ASTM A572 GRADE 50
   - MATERIAL: ASTM A709 GRADE 50
   - MATERIAL: ASTM A572 GRADE 50

5. WASHERS:
   - MATERIAL: ASTM F436 TYPE 1

6. NUTS:
   - MATERIAL: ASTM A563 GRADE DH

C. MATERIAL DESIGN PARAMETERS:

1. ALLOWABLE PRESSURE IN ELASTOMER AND PTFE:
   - MATERIAL: ASTM A572 GRADE 50
   - MATERIAL: ASTM A709 GRADE 50
   - MATERIAL: ASTM A572 GRADE 50

2. MATERIAL DESIGN PARAMETERS:
   - MATERIAL: ASTM A572 GRADE 50
   - MATERIAL: ASTM A709 GRADE 50
   - MATERIAL: ASTM A572 GRADE 50

D. ANCHOR BOLT INSTALLATION:

1. IF ANCHOR BOLTS ARE INSTALLED, ADJUST THE MOUNTING POINTS TO ACCOMMODATE ALL STEEL SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

2. IF ANCHOR BOLTS ARE INSTALLED, ADJUST THE MOUNTING POINTS TO ACCOMMODATE ALL STEEL SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

3. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

4. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

5. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

6. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

7. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

8. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

9. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

10. IF BLOCKOUTS ARE USED, REMOVE BLOCKOUT FORM AND MARK THE THICKER EDGE OF THE SOLE PLATE CORNER.

THIS STANDARD WAS CREATED WITH SHEETS THAT WERE REMOVED FROM BD-613M.
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

STANDARD
HIGH LOAD MULTI ROTATIONAL
POT BEARINGS - FIXED DETAILS

FOR ADDITIONAL DETAILS, SEE SHEETS 1 AND 6.
NON-GUIDED POT BEARING PLAN

SECTION A-A

NOTE:
- 1/6" MIN. MAY BE REDUCED TO ZERO IN ORDER TO ELIMINATE BLASTING AND PAINTING OF SMALL EDGE AREA-BENEATH SOLE PLATE AS LONG AS THE QUALITY OF WELD IS NOT COMPROMISED.
- CLEARANCE STANDARDS TO BE TAKEN FROM CONTRACT DRAWINGS.

For additional details, see Sheets 1 and 6.
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

STANDARD
HIGH LOAD MULTI ROTATIONAL
POT BEARINGS - GUIDED
DETAILS - 1

SECTION B-B
NOTE: POT BEARING COMPONENT DIMENSIONS TO BE TAKEN FROM CONTRACT DRAWINGS.

SECTION C-C
(NOTE: PISTON NOT SHOWN FOR CLARITY)

FOR ADDITIONAL DETAILS, SEE SHEETS 1, 5 AND 6.

NOV. 26, 2013

BC-756M
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

STANDARD
HIGH LOAD MULTI ROTATIONAL
POT BEARINGS
GUIDED DETAILS - 2

NOTE:
The indicated bearing component dimension variables to be taken from contract drawings.

For additional details, see sheets 1, 4 and 6.

BC-756M
Sheet 5 of 6

Previously on
BD-613M,
Shl. 13 of 15

NOV. 26, 2013
NOV. 26, 2013
Previous on SD-613M: Sh. 15 of 15

Commonwealth of Pennsylvania
Department of Transportation
Bureau of Project Delivery

Standard
High Load Multi Rotational
POT Bearings
Connection Options

Recommended: Nov. 20, 2013
Recommended: Nov. 20, 2013

Plan - Sole Plate
Tapped Screw Connection for Prestressed Concrete Beam

Legend:

- Provide minimum size weld in accordance with AASHTO/AWS Code unless larger weld is required by design as indicated on contract drawings.
- Number of studs or anchors as indicated on contract drawings, spaced as required to keep strand pattern.
- Through bolt connections between girder and sole plate are acceptable provided all clearance requirements are satisfied.
- For beveled sole plates, ensure the threaded holes in the beveled plate are aligned normal to the embedded plate.

NOTE:

The connections shown are for information only. The design of the connection is the responsibility of the engineer and indicated on the contract drawings.