NOTES
1. Install Galvanized Steel Rigid Metal Conduit (RMC) between the Junction Box(es) Type 1 and the DX fitting(s) "A". RMC conduit shall also be used from the DX fitting(s) "A" to the PVC adaptor in the barrier. PVC Conduit may be used only in stationary-form barriers. Connect to RMC using a PVC adaptor. RMC Conduit may be used in stationary-form barriers, but it shall be used in slip-form barriers.


3. Pipe wrap tape shall be 2" wide, 20 ml thick, and installed with 1" minimum overlap.

KEY NOTES
1. Junction Box (mount box so cover is flush with the barrier face with a 0" tolerance protruding beyond the barrier face and 1/8" recessed). Use NEMA 4X Junction Box with stationary-forms - See Standard Plan J-40.36. Use NEMA 3R Junction Box with slip-forms - See Standard Plan J-40.37.

2. Type DX Deflection (DX) Fitting with Internal Bonding Jumper.

3. Wrap Conduit Pipe from Conduit Deflection Fitting to 1" - 0" beyond (inside) barrier surface.

4. 1" - 0" long, 3/4" thick expanded closed-cell foam sleeve around conduit and conduit fitting. After placing wire ties, duct tape seams and ends to seal and prevent concrete from bonding with fitting and conduit.

5. Where conduit in a structure is routed across a joint, wrap the conduit pipe for 1" - 0" on each side of the joint.

6. 10" - 0" long section of RMC conduit.

7. Deflection Fitting shall be in neutral state after installation.
CONDUIT INSTALLATION IN TRAFFIC BARRIER ON RETAINING WALL

STANDARD PLAN J-60.11-00

CONDUIT DEFLECTION FITTING "B" DETAIL
CONDUIT FITTING - TYPE DX - FOR DEFLECTION OF 30° AND 3/4" MOVEMENT

CONDUIT FITTING - TYPE DX FOR DEFLECTION OF 30° AND 3/4" MOVEMENT. CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL STEM EXPANSION JOINT NEAREST TO THE TRANSVERSE CONSTRUCTION JOINT IN THE WALL FOOTING.

CONDUIT PIPE

CENTER CONDUIT FITTING
PREMOLDED JOINT FILLER
CONCRETE

PIPE WRAP TAPE

1" - 0'

3/4" Closed-Cell Foam Sleeve - Wrap 1 1/2 Times Around Conduit and Conduit Fitting

PVC ADAPTOR (TYP.)

CONDUIT PIPE

PLACE @ EXIT FROM STRUCTURE

CONDUIT PIPE

PLACE @ EXIT FROM STRUCTURE

CONDUIT INSTALLATION IN TRAFFIC BARRIER ON RETAINING WALL

STATE DESIGN ENGINEER

Pasco Bakotich III 5/20/13 STATE DESIGN ENGINEER

Washington State Department of Transportation

APPROVED FOR PUBLICATION