The Clip Shall be Made From A36 Metal, HD Galv (ASTM 123) and in the Shape Shown.

1 Sheet 3 x 8
W3 x W2 Steel Mesh

Mastic

Lifters (Typ.)

Remove Wire Mesh
in Knockout Area

Solid Lid with Word "TRAFFIC"

in Lid & Pick Hole (Meets ASTM A48 Class 35B Spec)

Lifters (Typ.)

#5 Compacted Aggregate

4" Heavy Duty Frame with

Use Clip when

Drill Anchor Hole in Concrete Pull Box.

Typ. of 4

4" Dia. Opening

Solid Lid with Word "TRAFFIC"

in Lid & Pick Hole (Meets ASTM A48 Class 35B Spec)

Lifters (Typ.)

Remove Wire Mesh
in Knockout Area

Solid Lid with Word "TRAFFIC"

in Lid & Pick Hole (Meets ASTM A48 Class 35B Spec)

Lifters (Typ.)

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in Knockout Area

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Solid Lid with Word "TRAFFIC"

in Lid & Pick Hole (Meets ASTM A48 Class 35B Spec)
Frame and Cover Detail

Ground Bolt Installation Detail

48" Pull Box Pad

TOP VIEW

SIDE VIEW

4" Heavy Duty Frame with Solid Lid with Word "TRAFFIC" in Lid & Pick Holes. Needs ASTM 449 Class 350 Special

2 1/2" Open Pick Hole

Extra Material Underneath is Squared Off

2" Raised Letters

Flush w/top Surface

4" Stainless Steel

Bonding Wire

Non-Insulated One Hole Tin Plated Copper Compression Terminal, UL Listed and Approved for #4 AWG Copper Wire

Bonding Wire

One coat of water repellent sealer shall be applied to the inside and outside of the pull box.

Concrete shall have air entrainment of 6% +/- 2% and shall have 4500 PSI strength at 28 days. Concrete materials shall meet ODOT specifications.

Lid ring load transfer is to be distributed by use of preformed elastic joint material.

Cut off conduits so they extend no more than 3" beyond the pull box wall and provide bushings.

Whenever possible, conduits should enter the pull box via a knockout. When approved by the ODOT Engineer, conduits may enter the pull box through its wall only if the opening is saw or core drilled. Conduits shall not enter via the bottom of the pull box without approval by the ODOT Engineer.

Conduit shall enter knockout at as close to 90 degrees as possible.

The weld anchor assembly shall be outfill whenever the entire area above the knockout (1/4 of the casting) is encased in either concrete or asphalt. All excess shall be centered around the knockout.

After the conduits have been installed, any opening in the pull box wall shall be totally filled with mortar or concrete and finished flush with the inside of the pull box wall to avoid.

Pull box bearing capacity to exceed 60,000 pounds.

Enlarging the knockout area, if required, shall be done by saw cutting the concrete. No other method is allowed. The Contractor shall replace the concrete housing, if damaged, at their expense.

Any conduit that exits a pull box, contains cable and directly enters any electronics cabinet, shall be duct-sealed in the pull box.

The Contractor shall install non organic fiberglass pull tape with a minimum 6000 FT-lb tension strength in conduit to facilitate cable placement.

All unused conduits shall be capped and the caps secured to the conduits with tape.

Standard placement for wire mesh and rebar shall be used.

Each pull box shall have a drain, #4" conduit, independently draining to a ditch or to a roadway underdrain (shown in Standard Construction Drawing N-30.11).

Slope the proposed 4" raceway (PVC conduit) to drain into 32" pull box on either side of the freeway shoulder, where applicable. The 4" conduit shall remain above the underdrain.

Minimum bend radius of 4" PVC is 24".

The Contractor shall install non organic fiberglass pull tape with a minimum 6000 FT-lb tension strength in conduit to facilitate cable placement.

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