

STATE WIDE SIGN GUIDE

- **This guide will demonstrate various sign mounting products and procedures for construction and maintenance.**

Ground Mount Base Omni Direction

Manufacturer Requirements:

- 1) La One Call Locate Request.
- 2) Dig 42-inch deep hole in ground.
- 3) Hole diameter varies due to soil at location. Min diameter shall be at least 12 inches.
- 4) Fill hole with concrete .
- 5) Top of base must be less than or equal to 3 inches from grade.
- 6) Base will support max. 21 sq. feet.
- 7) These are typically installed on the interstate and at the control access.
- 8) Cost of this unit is around \$74.00.



Omni Concrete Surface mount Base

Requirements:

- 1) Mounts to existing concrete slab.
- 2) Use 5/8" x 6" anchor bolts.
- 3) 3- 5/8" x 2 1/2" structural bolts maximum torque allowed is 40 ft-lbs.
- 4) The top pole is fasten with a locking wedge to keep the pole from turning.
- 5) This unit is normally installed by section 45 and contractors.
- 6) Cost for this unit is around \$140.00



Omni Triangle Adaptable Base

This unit mounts to existing triangle base that is already mounted in a slab.

1) Cost for this unit is around \$40.00



**Omni 2" Concrete Square
Tubing
Anchor Base.(Kleen Break
Model 425)**

This unit mounts to existing slab.

This unit is typically used in the median for smaller signs (nothing larger than 9 square feet).

- 1) Cost for this unit is around \$60.00**
- 2) The shear bolt, washer and locking wedge and be purchase separately.**
- 3) In a normal breakaway situation the shear bolt is the only thing that needs replacing.**



Example of a concrete base that is mounted to an existing slab.



**2 Inch Replacement
Top Receiver.**

**This a replacement
top for the 2 inch
concrete base.**

**1) The cost for this
unit is \$17.00**



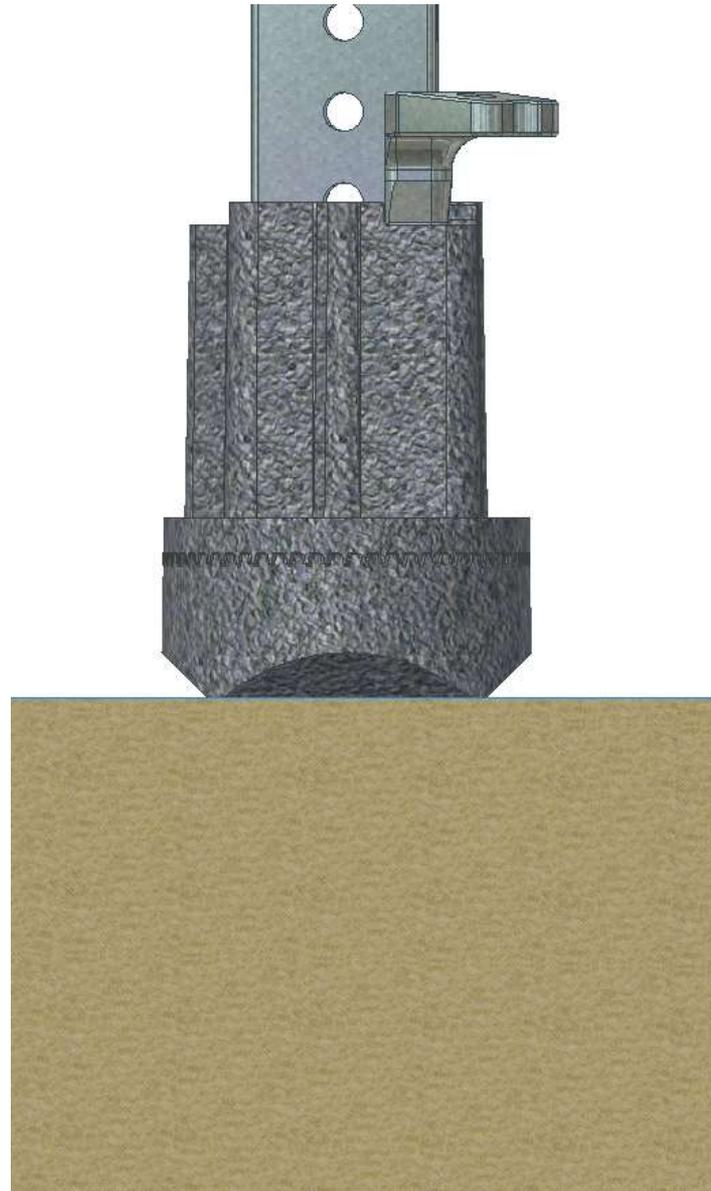
2" Square Tubing
Anchor Base. (kleen
Break)(Ground mount in
wet concrete)

This device mounts in wet concrete with a mowing pad.

- 1) This unit mounts in at least a 6 inch thick slab.**
- 2) This is a good product that can be used in the roundabout locations.**
- 3) Cost for the complete unit is around \$61.00.**



**Diagram of an
Installation in
wet concrete .**



Example of a square tubing breakaway that is flush mounted in wet concrete.

This is a perfect installation for signs in a roundabout, or when tripping hazards are a concern.



**Typical ground
mount installation.**



2" Square Tubing Anchor Base. (Ground mount).

This device mounts in the ground inside of a 2 ¼" x 2 ¼" x 3' square tubing that attaches with a corner bolt. This device can be pushed into the ground or you can dig a 2' 6" hole and then push down the remaining 6" to hold to device in place , then fill hole with concrete remembering to maintain the 3" stub height. For best results use the concrete method.

- 1) Cost for the complete unit is around \$61.00, the 3 foot piece is around \$2.30.



Diagram of an Installation of a ground mount.



**Examples on how
the 2 inch (kleen
Break) system
should break
away.**



This is another method of a breakaway is called Yielding.





**This is a
example of how
the square
tubing will work
for the districts
on a sign
assembly
installation.**



Soil Stabilizing Sleeves.

This is a soil stabilizing sleeve that is used when the ground is not firm enough to support the sign properly.

1) These devices cost approximately \$16.00.



Incident Management Signs

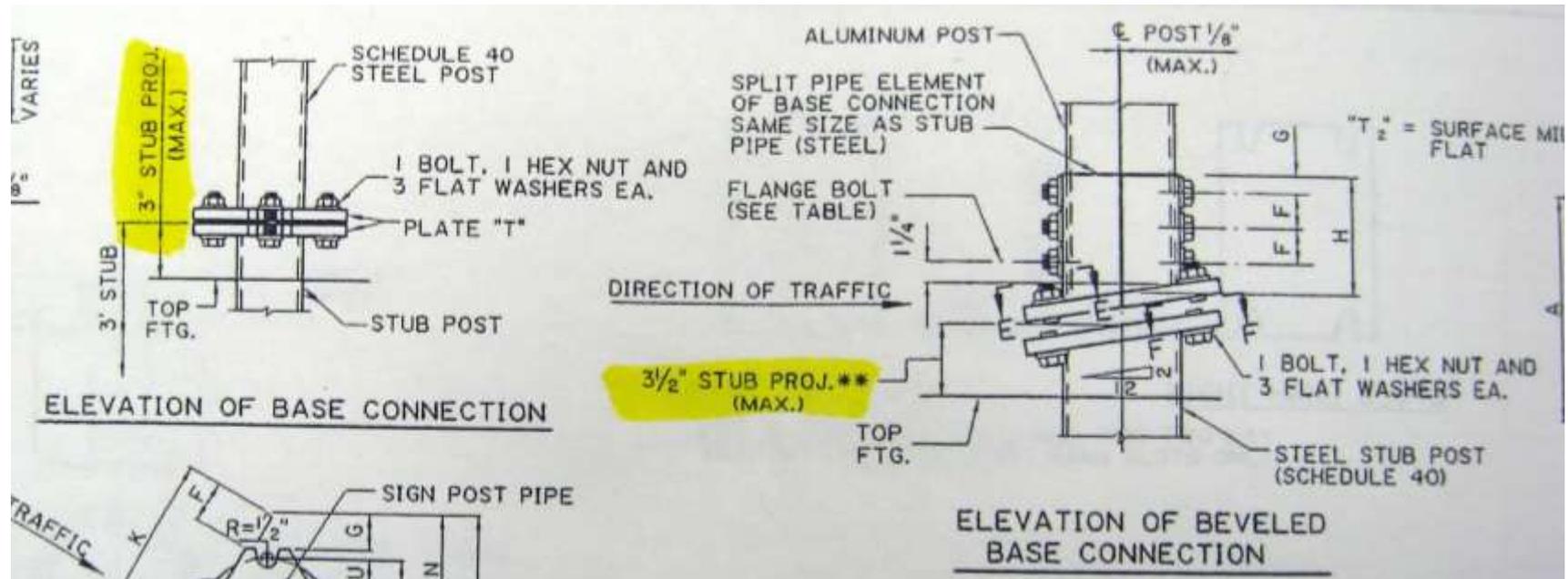
- 1) This support can be turned 90 degree to either display the message on the sign or to turn it so that it cannot be seen by the driver.



Telespar Sign System Installation Video

<http://www.atc-mechanical.com/videos/telespar-installation/>





Stub height requirements.

This photo shows the stub heights requirements for a flat and angel base support.

The Flat base needs to be 3" from grade.

The angle base needs to be 3 1/2" from the center.

FHWA says that you can be 4" from the back side.