GENERAL NOTES:

1. Install sign assemblies based on Alpha-Numeric Type designation shown in the Plans (e.g., Type A1). Assembly Type is based on Power Configuration 'Alpha' Identification shown above and Numerical Identification shown on Sheet 3 thru 8.

2. Install sign panel and wind beam in accordance with Index 700-010 and Specification 700.

3. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.

4. Meet the requirements of Specification 646 for aluminum poles and transformer bases.

5. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 4'-0" by 5'-0".

6. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.

POWER CONFIGURATION 'B' NOTES:

1. Install a separate pole for mounting the solar panel, controller and batteries for all roadside assemblies with solar panels, controllers and batteries weighing more than 170 lbs.

2. Install the auxiliary pole as close to the right of way boundary as possible.

3. Install the auxiliary pole so that the height is the same as the column for the roadside assembly.

4. Orient solar panel to face South for optimal exposure to sunlight.

5. The controller and the solar batteries may be located in the same compartment.

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CONDUIT, WIRING, AND FOUNDATION DETAILS

DETAIl "A"

Nominal 4" (Sch. 40) Aluminum
Transformer Base

#6 Ground Wire
Grounding Lug

3/8" X 18" Anchor Bolts
Concrete Apron (Typ.)
Finished Grade

12" Bed of Pearock or Crushed Stone For Drainage.

To Power Service or Auxiliary Pole
U.L. Approved Ground Rod
1/2" Diameter 20' Long Copper Clad with Approved Ground Connection (At all Pull Boxes)

DETAIl "B"

Nominal 4" (Sch. 40) Aluminum
Transformer Base

#6 Ground Wire
Grounding Lug

3/8" X 18" Anchor Bolts
Concrete Apron (Typ.)
Finished Grade

1/2" Bed of Pearock or Crushed Stone For Drainage.

To Power Service or Auxiliary Pole
U.L. Approved Ground Rod
1/2" Diameter 20' Long Copper Clad with Approved Ground Connection (At all Pull Boxes)
WARNING SIGN

12" Yellow Flashing Beacon

Sign Panel (48" x 48")

Nominal 4" (Sch. 40) Aluminum

W-16-13P (24" x 18") Sign
(When Shown in Plans)

NOTE:
Type A1 Assembly (conventionally-powered) is shown.
Type B1 Assemblies (solar-powered) similar.

FRONT VIEW

SIDE VIEW
NOTE:
Type A2 Assembly (conventionally-powered) is shown.
Type B2 Assemblies (solar-powered) similar.
NOTES:
1. Type A3 Assembly (conventionally-powered) is shown. Type B3 Assemblies (solar-powered) similar.
2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
Nominal 4" (Sch. 40) Aluminum

NOTE:
20
15
OR
See Index 700-101

DUBBED
FINES
SPEEDING

SCHOOL
LIMIT
SCHOOL
FLASHING

S5-1 (24" x 48") Highlighted Sign
FTP-38-06 (24" X 30") Sign

Nominal 4" (Sch. 40) Aluminum

To Pull Box

FRONT VIEW

SIDE VIEW

NOTE:
Type A4 Assembly (conventionally-powered) is shown.
Type B4 Assemblies (solar-powered) similar.
NOTES:
1. Type A5 Assembly (conventionally-powered) is shown. Type B5 Assemblies (solar-powered) similar.
2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.
NOTES:

1. Type A6 Assembly (conventionally-powered) is shown. Type B6 Assemblies (solar-powered) similar.

2. Use electronic speed feedback sign with 15" high numerals for posted speed of 45 mph or less, and 18" high numerals for posted speeds greater than 45 mph.