

6460000 ALUMINUM PEDESTAL POLES
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Bob Burluson

Comments: (10-28-14, Internal)

646-2.2 Pedestal Pole Base:

1. There is no Pedestal Pole Base on the APL for 646 pay item. Only Pedestal Pole Bases on the APL are for Traffic Monitoring Sites, 746 pay items.

*Use pedestal bases listed on the Department's Approved Product List (APL).
Meet the requirements of Aluminum Association alloy 319 or 356-T6 and
ASTM B26 or ASTM B108.*

Response: I understand, but the poles for Section 646 will need to be approved and listed on the APL. No changes made.

2. Fiberglass or plastic doors are easily damaged and represent a maintenance concern. Aluminum doors are more durable.

The door may be constructed of fiberglass or other non-combustible, non-aluminum material.

Response: There have been issues with theft of the aluminum doors. This is the reason for requiring fiberglass or other non-combustible material. I am not aware of any maintenance concerns with fiberglass, which is what most manufacturers also provide. No changes made.

Andre Pavlov
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Comments: (10-29-14, Internal)

I would change the anchor bolt section.

Response: Changes made prior to Industry Review.

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Comments: (11-6-14)

Can the information from 646-2.1 (Pedestal Poles), 646-2.3 (Detector Post), 646-2.4 (Anchor Bolts), 646-2.5 (Shims) be included on the corresponding Standard Index, if it is not already? These section include very descriptive information which appear to be better suited for a Standard Index drawing as opposed to a General Construction Operation specification.

Response: It has been determined by management that all specifications for products should be in the Specifications, not in the Design Standards. No changes made.

Anonymous

Comments: (11-20-14)

Strongly recommend including language similar to Specification 653-3.2. This language is very helpful when flexibility is needed due to unanticipated field condition. This is especially true for 3R and safety improvement projects that do not have cross section and/ or sidewalk elevations are unknown. This flexibility give the Engineers (CEI staff) an avenue for adjusting placement without stepping through a revision. Very important for placement of these items at the proper location along the sidewalk.

Response: The poles shall be installed as shown in the Plans. No changes made.

Kathie Kehres

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Comments: (12-1-14)

1. **646-2.6** Concrete states “Use Class 1 concrete meeting the requirements of Section 346.” However, it is suggested to instead state “Use concrete NS or higher with a minimum strength of 2500 psi at 28 days.” This recommendation is related to how the pedestals have breakaway bases per 646-2.2 and how Class I Concrete per Section 346 would require QC and Verification testing. (Kandarappallil Jose)

Response: Class 1 concrete is used for all other signs and signal poles, this is not any different. No changes made.

2. **646-2.2** Pedestal Pole Base – Note 4 states that “The door may be constructed of fiberglass or other non-combustible, non-aluminum material.” Recommend reviewing why a different material for the door is being specified; unless it is to defer theft, we are not sure why this approach is requested. (John Spivey) Furthermore, with the word “may”, it is not clear if the Contractor may use “non-aluminum material”, but aluminum is still allowed. If the intent is for material purposes that the door must not be aluminum, recommend changing “may” to “shall” to avoid any confusion on the intent. If the intent is to allow “fiberglass or other non-combustible, non-aluminum material” in addition to an aluminum door, than recommend listing all the materials allowed.

Response: We do not want to use aluminum for theft reasons. The wording will be changed from “may” to “must”. Change made.
