Index 646-001
Aluminum Post and Pedestal Mounted Pedestrian Detectors and Signals

ORIGINATION

Date: 9/4/2026
Name: Ronald Meyer
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COMMENTARY

This note was added to correspond with Standard Plans Index 653-001 in coordination with the TERL.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **BLUE** = Standard Plans Response GREEN = Change Made to Index

Name: Bijan Behzadi
Date: 5/12/2026

COMMENT: Suggest specifying the size of grounding conductor which is usually #6AWG.

RESPONSE: You are correct that #6 AWG is commonly used, but the size and type could vary based on specification content (e.g., 620-2.4, etc.).

CHANGE MADE TO INDEX: No.

Response Date: 6/2/2026

Name: Chennan Xue
Date: 5/12/2026

COMMENT: Do we want to add a note about referring to Index 700-102 for Pedestrian Actuation Sign?

RESPONSE: The reference to 665-001 in note #3 is sufficient (665-001 references 700-102).

CHANGE MADE TO INDEX: No.

Response Date: 6/2/2026

Name: Chennan Xue
Date: 5/12/2026

COMMENT: Per the new Note #7, there is only one ground conductor needed regardless of the number of equipment installed. Is shared ground conductor allowed for pedestal mounted signals with two ped signals and two push buttons? Ideally, they will need one grounding for each.

RESPONSE: A single conductor connecting the pole base to the grounding electrode is sufficient for grounding the pole.

CHANGE MADE TO INDEX: No.

Response Date: 6/2/2026

Name: Malcolm Romatani
Date: 5/13/2026

COMMENT: To enhance electrical safety, the proposed revision mitigates against the inadvertent energization of metal objects exposed to the pedestrian. However, the revision only addresses the pedestal mounted signals. In addition to the pedestal mounted detector, should the post mount also be grounded to mitigate against an electrical fault from the signal cabinet to the metallic post through the detector conductors? The post could also be connected to the intersection's ground network.

RESPONSE: The post is direct buried and should be sufficiently grounded by this installation method.

CHANGE MADE TO INDEX: No.

Response Date: 6/2/2026