
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: June 6, 2021
Originator: Derwood Sheppard
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Standard Plans:

Index Number: 646-001
Sheet Number (s): 1 of 1
Index Title:
Aluminum Post and Pedestal Mounted
Pedestrian Detectors and Signals



Summary of the changes:

- Changed Note 4 to remove concrete type since specified in Spec 646
- Added Note 5 "As an alternative to the direct buried "Post Mounted" Pedestrian Detector Assembly shown below, the post may be installed on a transformer base. Use a transformer base included on the APL approved as an alternative to a "Post Mounted" assembly."
- Updated the PEDESTAL MOUNTED detail - to show in the ADJACENT TO SIDEWALK detail "Tie Bars" callout as a #4 Stirrups equally spaced, with a 12" maximum spacing; Changed all references "4" Nominal Aluminum Pipe" , to Nominal 4" Aluminum Pole (Sch.40) (4.5" OD).
- Updated the POST MOUNTED detail - Changed the "4" OD Alum. Pipe" to "Nominal 4" Aluminum Post (Sch.40) (4.5" OD).

Commentary / Background:

The foundations within 646-001, 654-001, 695-001, and 700-120 are being updated to be more consistent between applications. An analysis was completed to determine if the foundations could be revised to provide a more consistent design between the various applications. The alum. post/pole references were updated to include OD.

Other Affected Offices / Documents: (Provide name of person contacted)

- | Yes | No | |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance – |

Origination Package Includes:

(Email or hand deliver package to Rick Jenkins)

- | Yes | N/A | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups |
| <input type="checkbox"/> | <input type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input type="checkbox"/> | Revised SPI |
| <input type="checkbox"/> | <input type="checkbox"/> | Other Support Documents |

Implementation:

- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

NOTES:

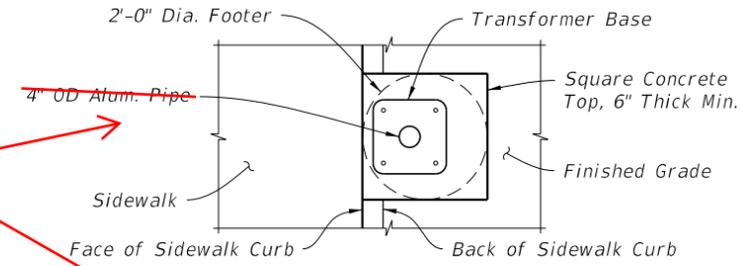
1. Work this Index with Specification 646.
2. For Pedestrian Signals see Index 653-001.
3. For Pedestrian Detector Assembly (i.e., Pushbutton and Sign) details see Index 665-001.
4. ~~Construct footing with Class I Concrete, footing may be Cast-In-Place (C-I-P) or Precast.~~

DELETE CLASS I REFERENCE IN NOTE 4

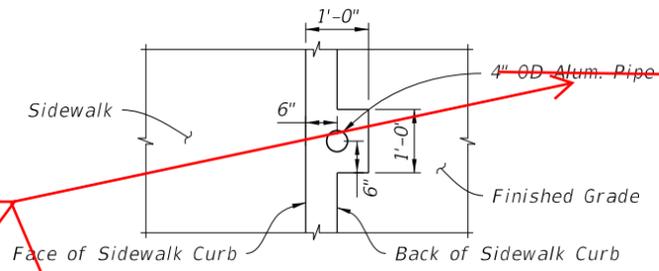
5. ADDED NOTE 5

CHANGED TO: Nominal 4" Aluminum Pole (Sch. 40) (4.5" OD)

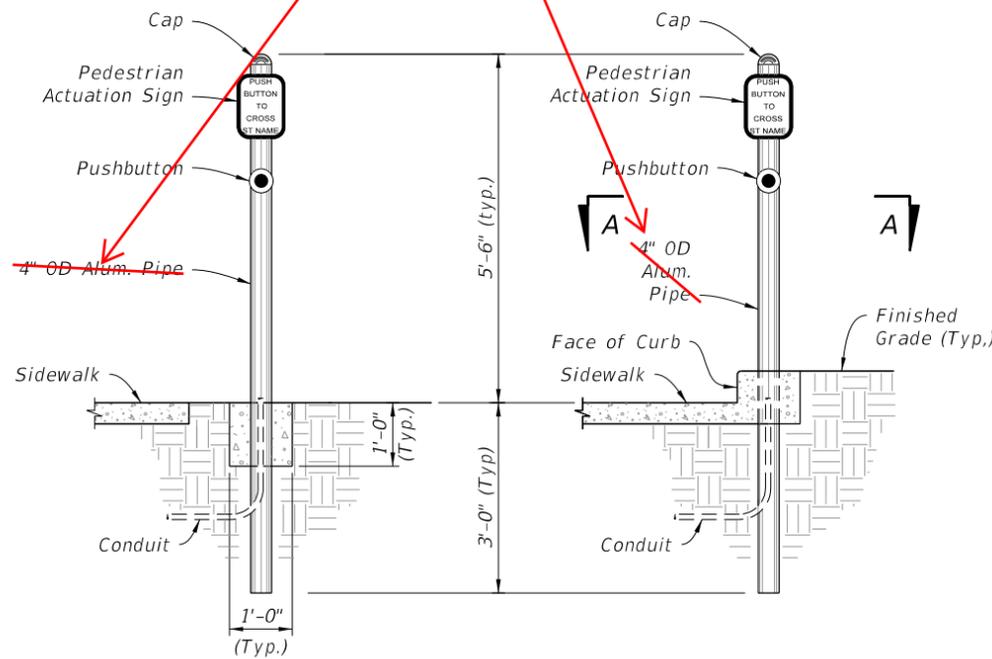
CHANGED TO: Nominal 4" Aluminum Post (Sch. 40) (4.5" OD)



PLAN VIEW SECTION B-B



PLAN VIEW SECTION A-A

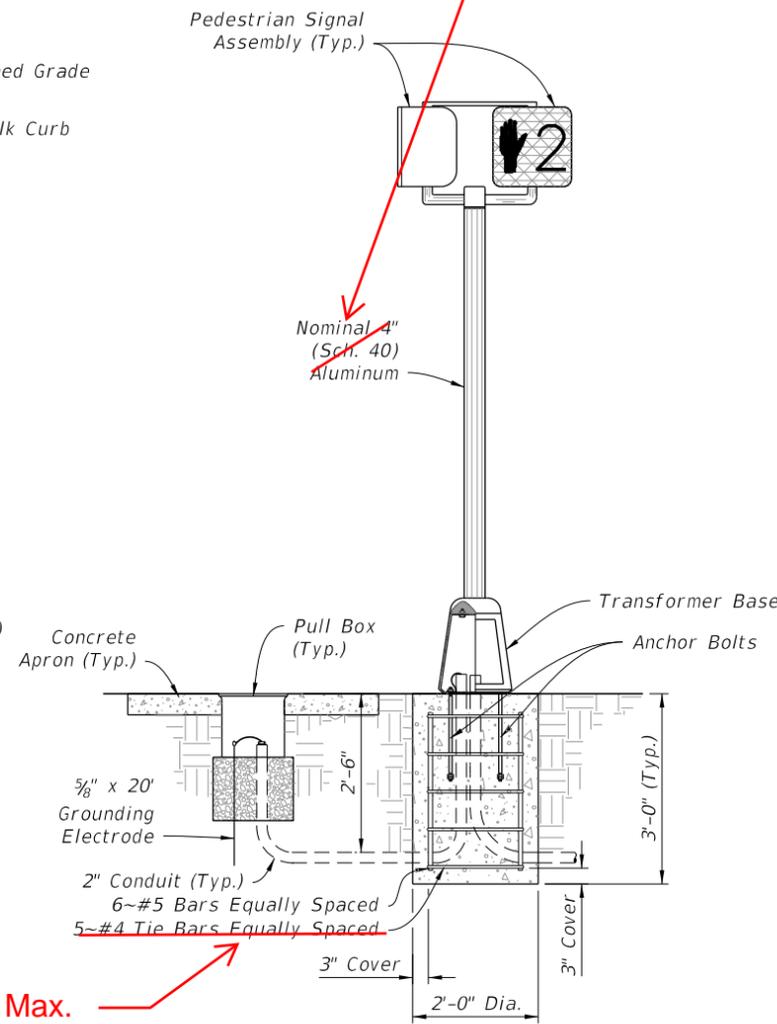


CHANGED TO: #4 Stirrups Equally Spaced, 12" Max.

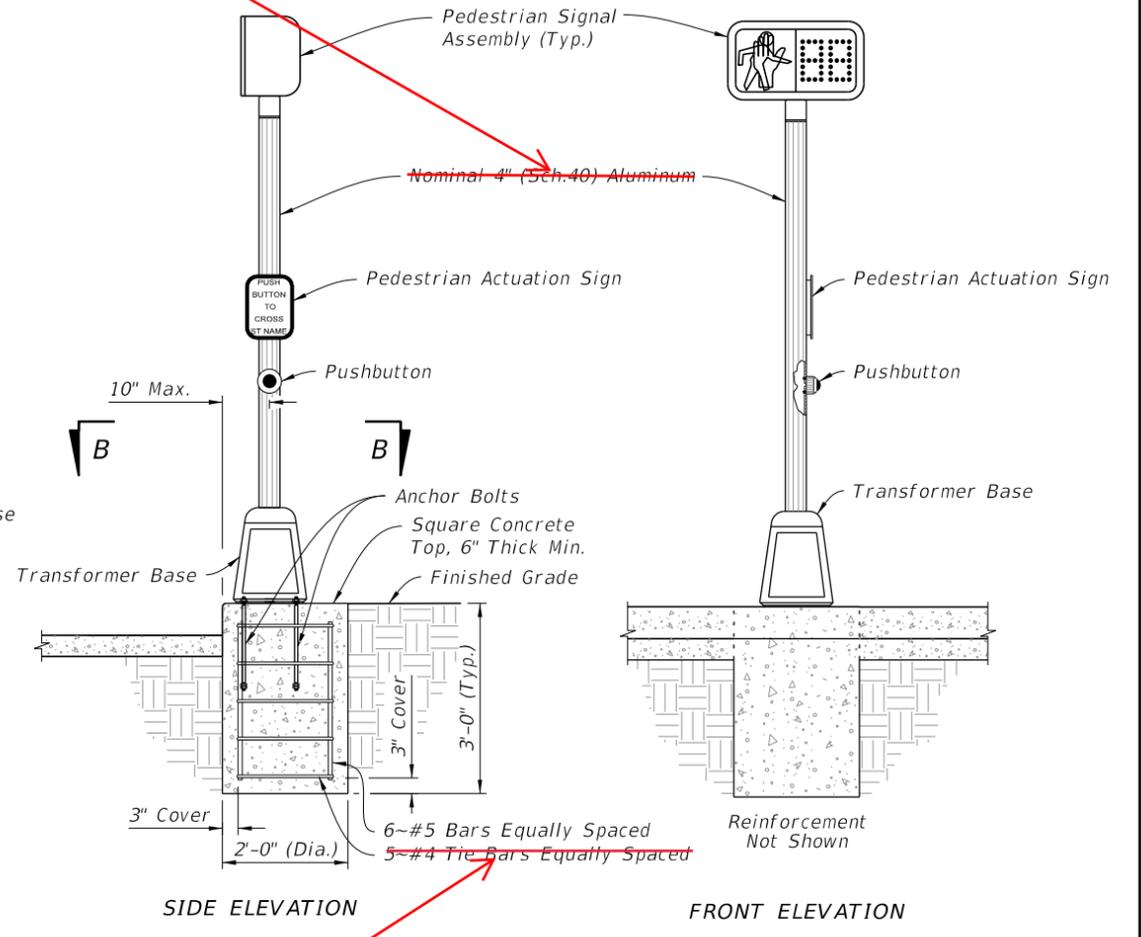
ADJACENT TO SIDEWALK

IN SIDEWALK CURB

POST MOUNTED



ADJACENT TO SIDEWALK



SIDE ELEVATION

FRONT ELEVATION

IN SIDEWALK CURB
(Conduit And Grounding Not Shown)

PEDESTAL MOUNTED

CHANGED TO: #4 Stirrups Equally Spaced, 12" Max.

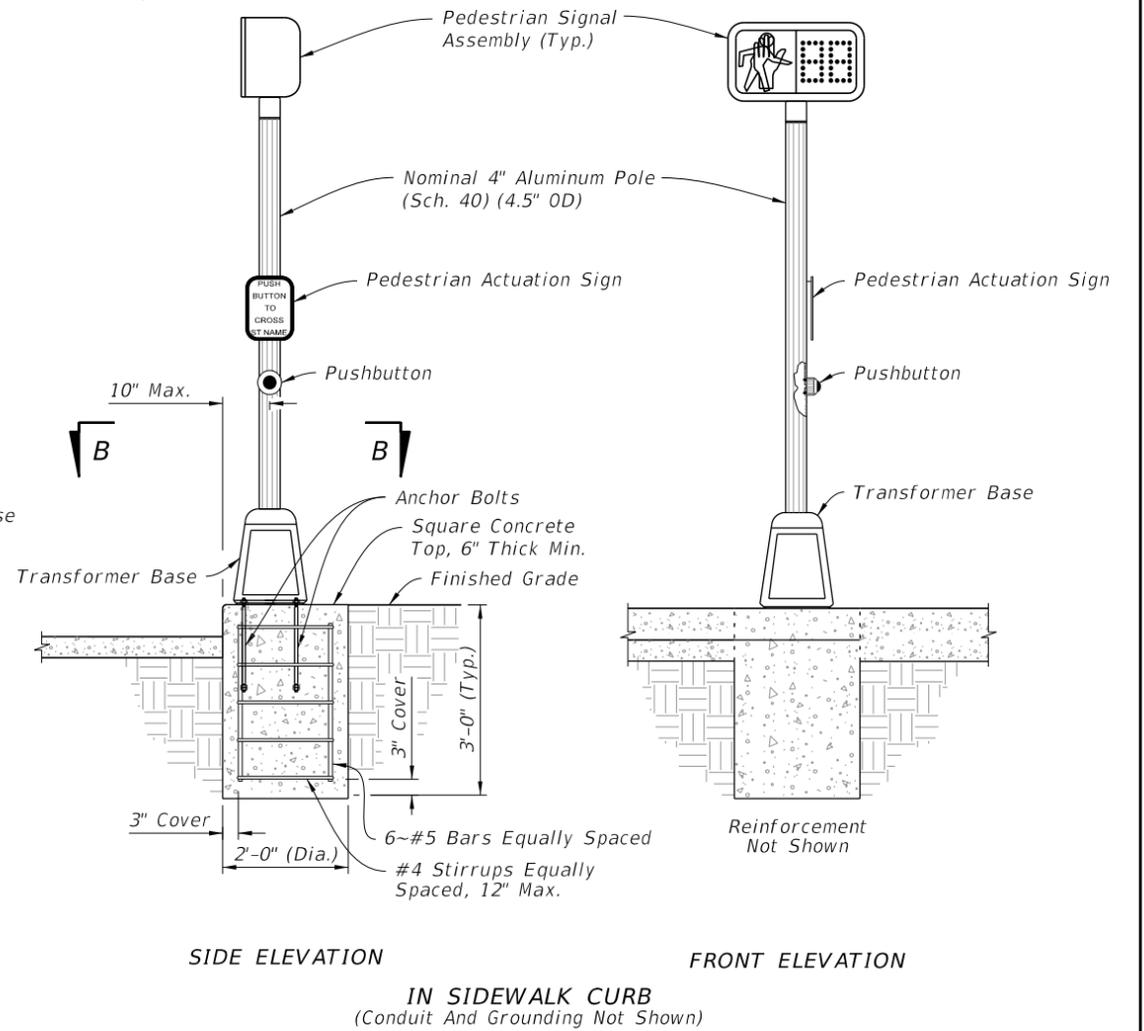
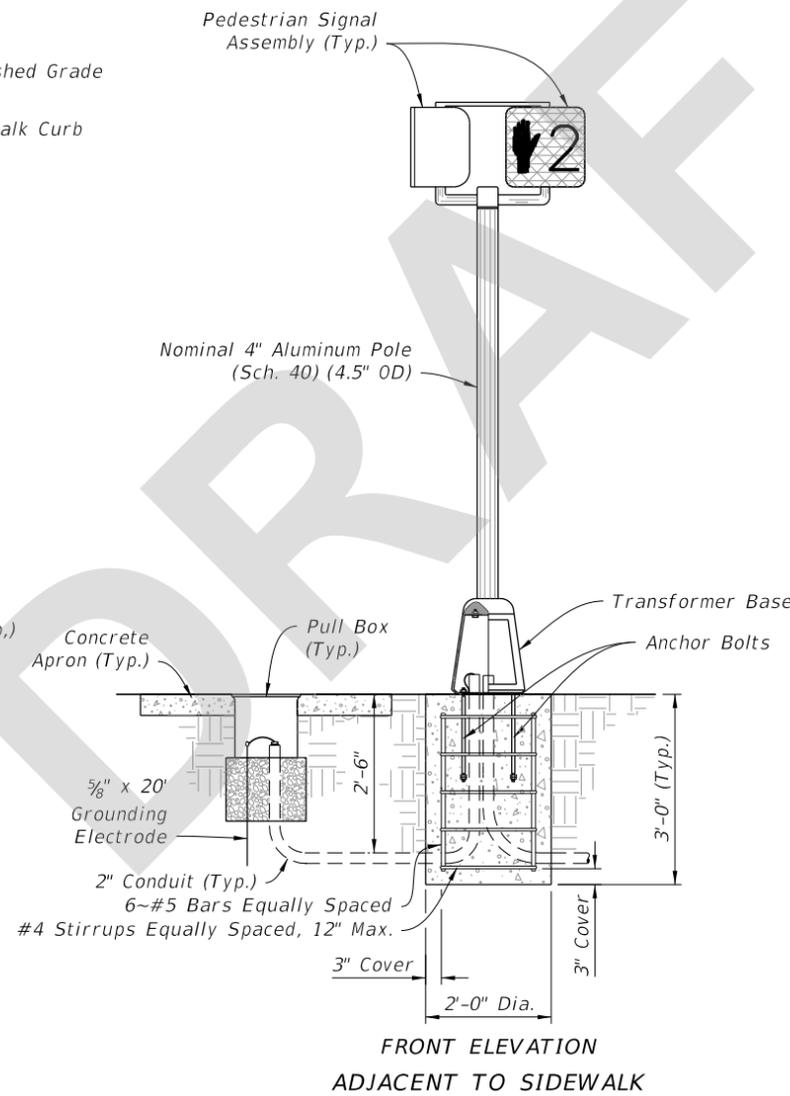
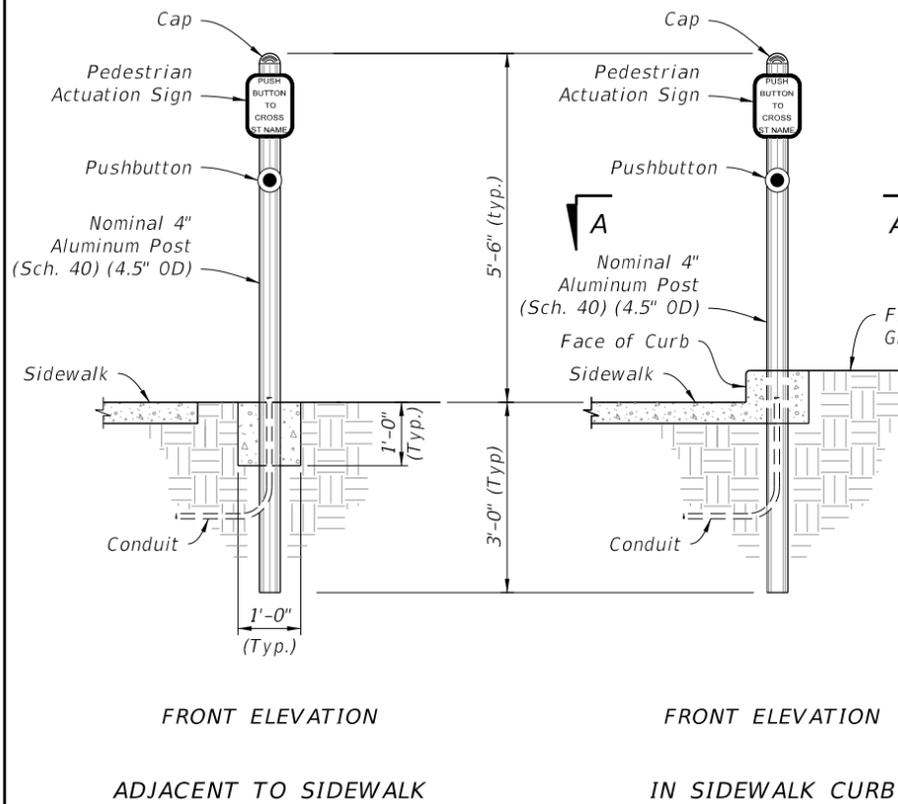
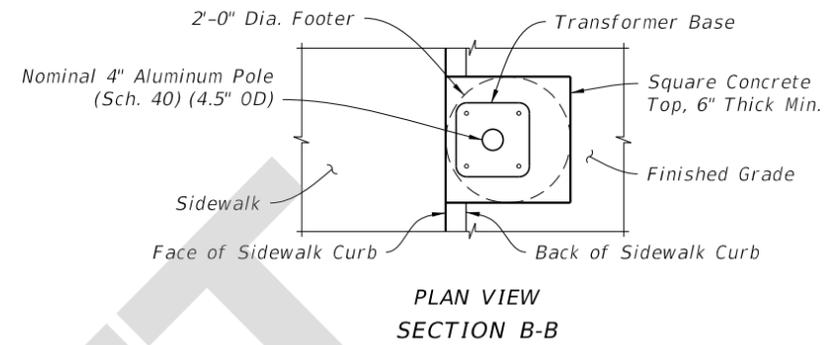
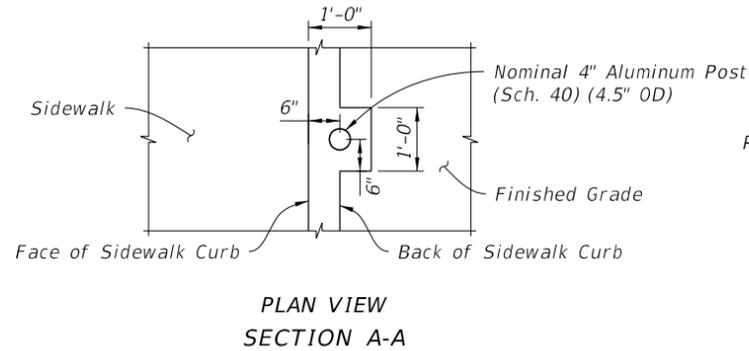
11/01/21

10/12/2020 8:20:14 AM

LAST REVISION 11/01/20	REVISION	DESCRIPTION:		FY 2021-22 STANDARD PLANS	ALUMINUM POST AND PEDESTAL MOUNTED PEDESTRIAN DETECTORS AND SIGNALS	INDEX 646-001	SHEET 1 of 1
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NOTES:

1. Work this Index with Specification 646.
2. For Pedestrian Signals see Index 653-001.
3. For Pedestrian Detector Assembly (i.e., Pushbutton and Sign) details see Index 665-001.
4. Footing may be Cast-In-Place (C-I-P) or Precast.
5. As an alternative to the direct buried "Post Mounted" Pedestrian Detector Assembly shown below, the post may be installed on a transformer base. Use a transformer base included on the APL approved as an alternative to a "Post Mounted" assembly,



POST MOUNTED

PEDESTAL MOUNTED

9/9/2021 2:49:52 PM

LAST REVISION 11/01/21	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	ALUMINUM POST AND PEDESTAL MOUNTED PEDESTRIAN DETECTORS AND SIGNALS	INDEX 646-001	SHEET 1 of 1
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