# Index 649-020 Steel CCTV Pole

## ORIGINATION

Date: 1-15-21 Name: Malcolm Tomatani Phone: 850 921-7305 Email: Malcolm.tomatani@dot.state.fl.us

# COMMENTARY

The handhole should be located downstream of the traffic so all details and notes will be updated for the proper representation. Also added notes to make Index consistent with Standard Plans Index 641-020.

# COMMENTS AND RESPONSES

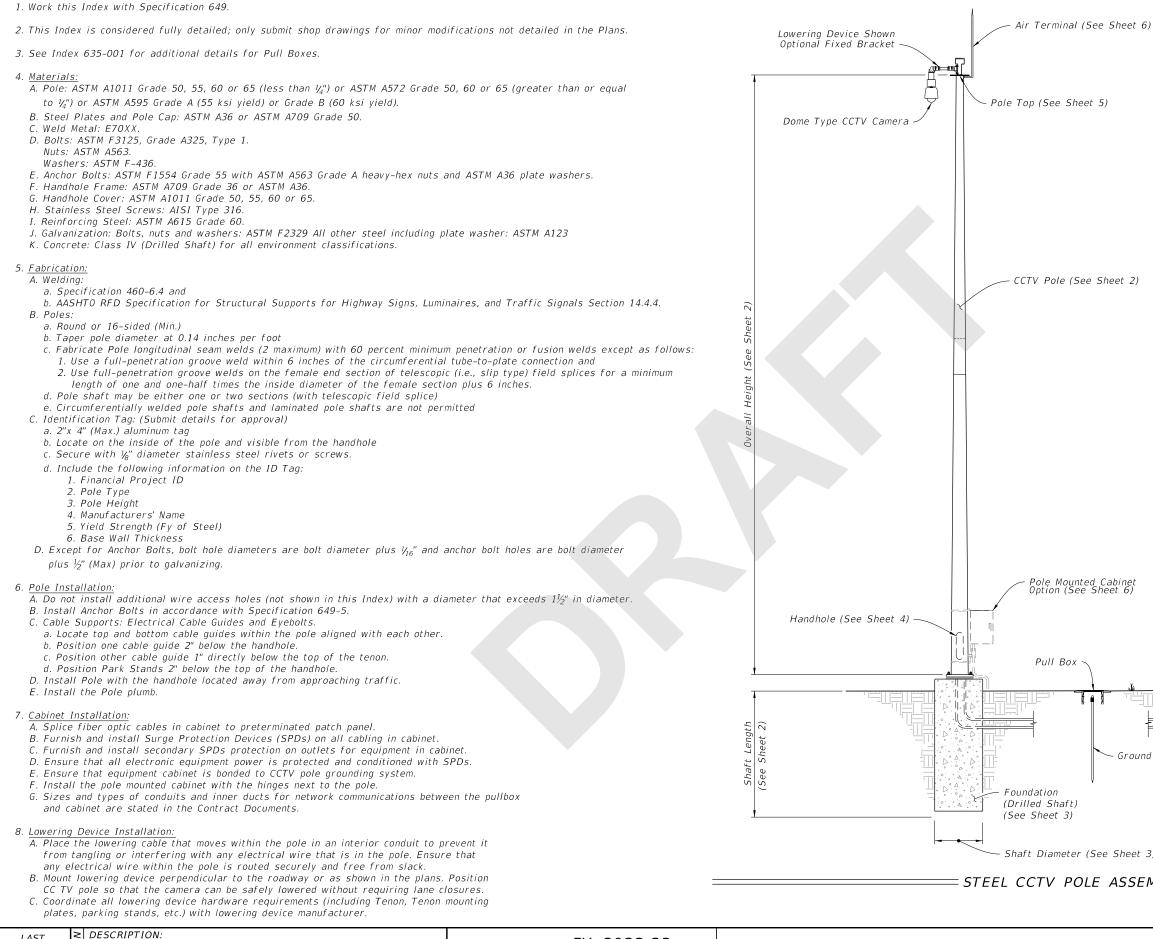
BLACK = Internal Review Comments RED = Standard Plans Response GREEN = Change Made to Index

Name: Jeff Cicerello Date: 5-18-21

**COMMENT:** Sheet 4: Handhole Detail – Elevation callout "Handhole (See Note 1) and Cover Plate "3/16" Thick Handhole Cover (See Note 2)".

**RESPONSE:** The callout should just be "See Note". **Change made to Index:** Update callout to read "See Note". **Date:** 5-19-21

# GENERAL NOTES:



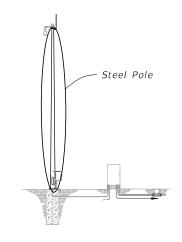
FY 2022-23

STANDARD PLANS

FDOT

LAST	N	DESCRI
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Ground Mounted Cabinet Option (See Sheet 6) Finished Grade Fiber Optic Pull Box							
nd Rod (See Sheet 5)							
3)							
MBLY							
	INDEX	SHEET					
	649-020	1 of 6					



SHAFT DESIGN TABLE						
Pole Overall Height (ft)	Shaft Diameter	Shaft Length	Longitudinal Reinforcement			
50	4'-0''	11'-0"	(14) #11			
55	4'-0''	12'-0"	(14) #11			
60	4'-6"	13'-0''	(16) #11			
65	4'-6"	13'-0"	(16) #11			
70	5'-0"	14'-0''	(18) #11			

#### = ASSEMBLY ======

ADDITIONAL SHAFT DEPTH DUE TO GROUND SLOPE						
Ground Slope	4'-0" Shaft Diameter	5'–0" Shaft Diameter				
1:5	3'-0"	4'-0''				
1:4	4'-0"	5'-0"				
1:3	5'-0''	6'-0''				
1:2	7'-0"	9'-0''				

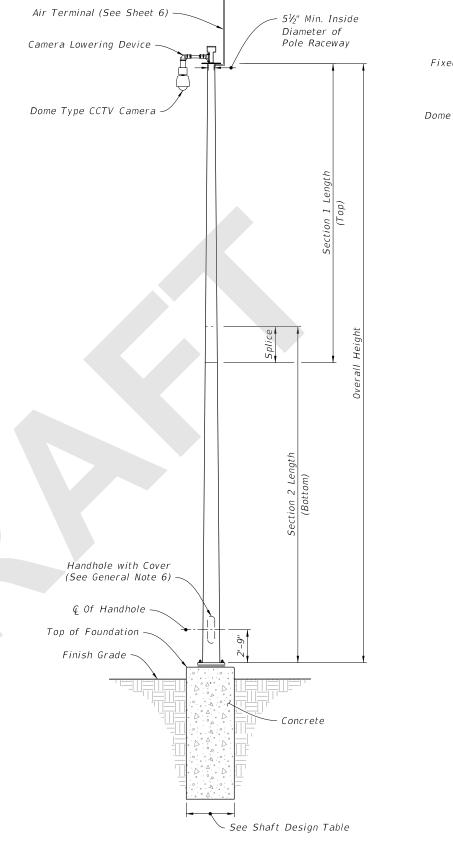
### FOUNDATION NOTES:

1. Shaft Length is based on 1'-0" height above the finished grade.

2. Shaft Design Table Shaft Length is based on level ground (flatter than 1:5). Increase the shaft depth in accordance with the Additional Shaft Depth Due To Ground Slope table for foundations with slopes 1:5 and steeper. Use the higher value for slope or diameter values that fall between those shown on the table.

	BASE PLATE AND ANCHOR BOLT DESIGN TABLE							
Pole Overall Height (ft)	Base Plate Diameter (in.)	Base Plate Thickness (in.)		Number of Bolts	Anchor Bolt Diameter (in.)		Minimum Anchor Bolt Projection (in.)	
50	27	2.5	22	6	1.25	31	8.5	
55	28	2.5	23	6	1.25	33	8.5	
60	33	2.5	27	6	1.50	34	9.5	
65	35	2.5	29	6	1.50	35	9.5	
70	40	2.5	33	6	1.75	38	10.5	

POLE DESIGN TABLE							
Pole Overall Height (ft) Length	Section 1 (Top)			Section 2 (Bottom)			Joint
	Wall Thickness (in.)	Base Diameter (in.)	Length	Wall Thickness (in.)	Base Diameter (in.)	Minimum Splice Length (in.)	
50				50'-0"	0.25	17	
50	25'-0"	0.25	14	28'-0"	0.25	17	27
55	30'-0''	0.25	15	28'-0"	0.3125	18	30
60	35'-0"	0.25	18	29'-0"	0.3125	21	33
65	33'-0"	0.25	19	36'-0"	0.3125	23	33
70	38'-0"	0.25	22	36'-0"	0.3125	26	39



CAMERA LOWERING DEVICE

= ELEVATION ===

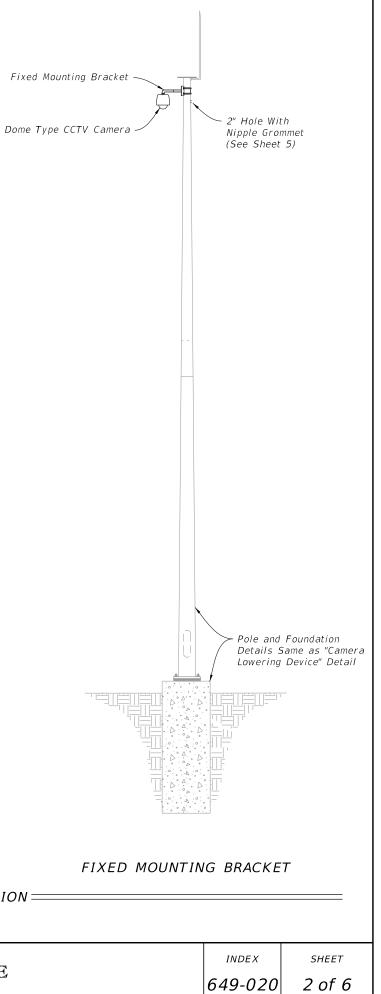
DESCRIPTION: LAST REVISION

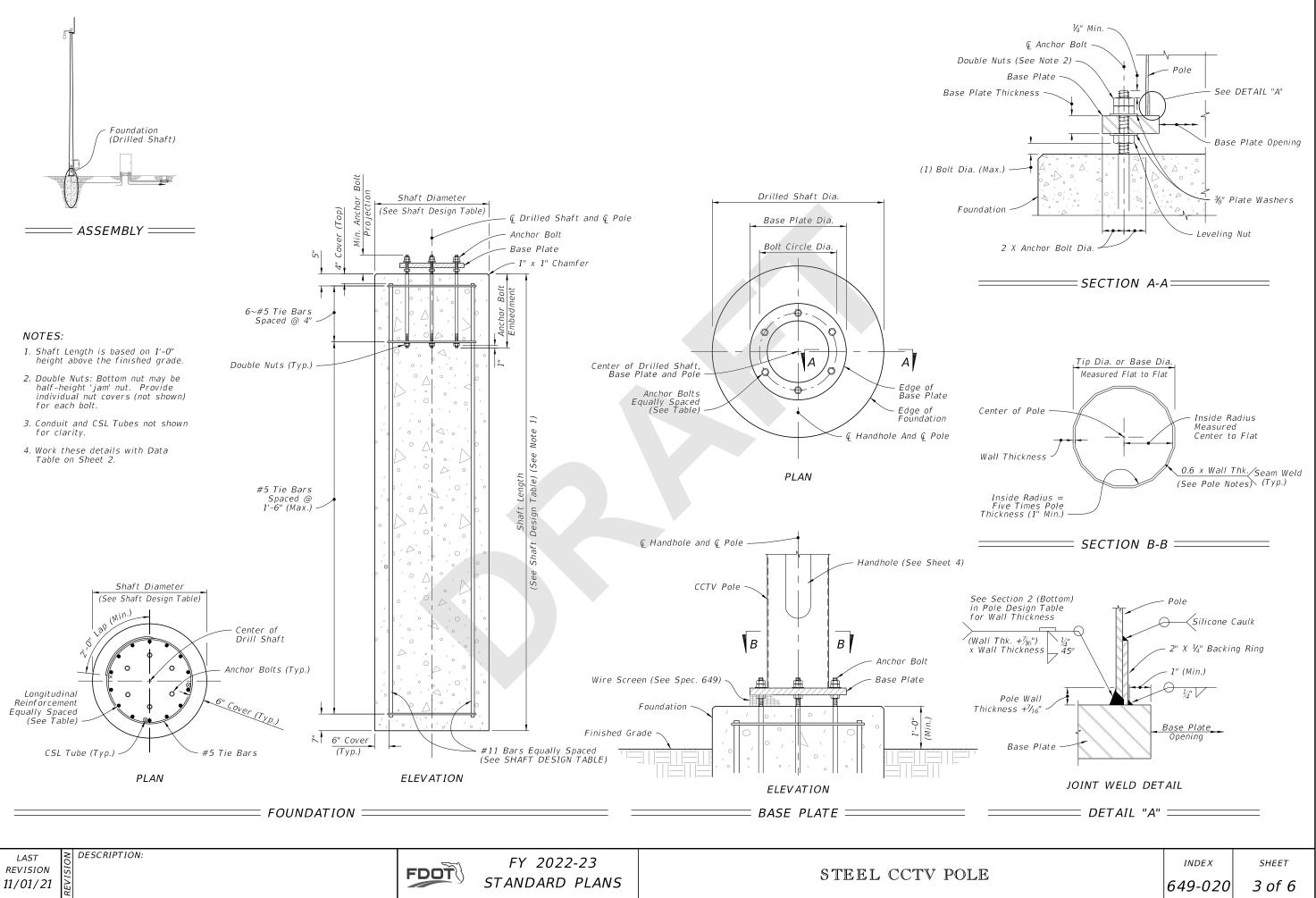
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FY 2022-23 STANDARD PLANS

STEEL CCTV POLE





5/24/2021

