

6410000 PRESTRESSED CONCRETE POLES
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Debbie Toole
414-4114

Comment: (6-25-14)

641-2.2.2.2: Who submits to whom?

→ → → **641-2.2.2.2-Connector-Block:** Provide modular, self-aligning and self-adjusting female and male socket contact halves in the connector block. Equip the lowering device with enough contacts to permit operation of all required functions of the camera, up to a maximum of 20 contacts. Provide and include at least two spare contacts. Provide contact connections between the fixed and movable lowering device components that are capable of passing ELA-232, ELA-422, ELA-485, and Ethernet data signals and 1 volt peak-to-peak (V_{p-p}) video signals, as well as 120 V_{AC}, 9-24 V_{AC}, and 9-48 V_{DC} power. Ensure that the lowering device connections are must be capable of carrying the signals, voltages, and current required by the device(s) connected to them under full load conditions. Submit documentation showing pin assignment for approval. ¶
→ → → → Provide Use only corrosion-resistant stainless steel hardware.

Response:

Ghulam Mujtaba
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Comment: (7-2-14)

I propose the expansion of 641-3 Concrete Pole Construction to read: (add highlighted text)

Construct concrete poles in accordance with Section 450. Assume responsibility for performance of all quality control testing and inspections required by Sections 346 and 450, however; the PCI personnel and plant certifications are not required. Also, the plant certification by other Department approved certification agencies, as described in 105-3.4, is not applicable to plants that are manufacturing prestressed concrete poles.

Response:

Cheryl Hudson
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Comment: (7-10-14)

641-2 Materials.

Spiral Reinforcing should be ASTM A1064 (See Standard Design Indexes 17725 and 18113).

Response:

Missy Hollis
414-4182

Comment: (7-11-14)

Update Method of Measurement similar to other signals specs- remove duplicate text for various operations. Add pole removal details from old Section 690 spec. I'll provide draft to Specs/Traffic Ops.

Response:

Shailesh Patel

Comment: (7-21-14)

The following acronyms that have not been explained at any time in the section of the spec. Section 641-1 CCTV Section 641-2.2.6 NPT.

Response:

641-2.2.2.2 Provide contact connections between the fixed and movable lowering device components that are capable of passing EIA-232, EIA-422, EIA-485, and Ethernet data signals and 1 volt peak to peak (Vp-p) video signals, as well as 120 VAC, 9-24 VAC, and 9-48 VDC power connections.

Revised to 641-2.2.2.2 Provide contact connections between the fixed and movable lowering device components that are capable of passing all of the following simultaneously if necessary - EIA-232, EIA-422, EIA-485, Ethernet data signals, 1 volt peak to peak (Vp-p) video signals, as well as 120 VAC, 9-24 VAC, and 9-48 VDC power connections.

Response:

641-2.2.5 Wiring: All wiring must meets NEC requirements and is installed....

Revised 641-2.2.5 Wiring: All wiring must meet NEC requirements and shall be installed

Response:

641-4.4 Install the correct length of lowering cable to prevent cable slack and prevents cable from jumping off the winch spool.

Revised 641-4.4 Install the correct length of lowering cable to prevent cable slack and to prevent the cable from jumping off the winch spool.

Response:

641-2.2.3 Lowering Tool- Regarding the statement shown in this section for the “delivery of the lowering tool to the Department after final acceptance” (see below); I’m not sure if the Department’s intentions to receive the lowering tool after final acceptance is something that is a common or unique practice. It should be before final acceptance.

Response:

Brian Blair
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Comment: (date)

1. 641-1 (third paragraph):

Change 'Ensure that each pole is constructed and permanently and legibly marked...' to 'Construct and permanently and legibly mark each pole...' for active-voice compliance.

Response:

2. 641-1 (third paragraph):

Change 'Concrete CCTV poles must be constructed and permanently and legibly marked...' to 'Construct and permanently and legibly mark concrete CCTV poles...' for active-voice compliance.

Response:

3. 641-2.2 (third paragraph):

Hyphenate 'corrosion-resistant'.

Response:

4. 641-2.2 (fourth paragraph):

Change 'Provided' to 'Provide'.

Response:

5. 641-2.2.1:

Insert a hyphen between '1' and '1/2 inch' ('1-1/2 inch').

Response:

6. 641-2.2.2:

Change 'is' to 'are'.

Response:

7. 641-2.2.2:

Add 's' to load ('All loads') or change 'All' to 'the' ('The load'), as appropriate.

Response:

8. 641-2.2.2.2 (second paragraph):

Change 'instructions' to 'recommendations'.

Response:

9. 641-2.2.3 (first paragraph):

Hyphenate 'corrosion-resistant'.

Response:

10. 641-2.2.3 (second paragraph):

Change 'inch' to 'inches'.

Response:

11. 641-2.2.4 (first paragraph):

Should 'stainless steel Type 316' be rephrased as 'Type 316 stainless steel'?

Response:

12. 641-2.2.6 (second paragraph):

Hyphenate 'NEMA 4 rated' ('NEMA 4-rated').

Response:

13. 641-2.2.6 (second paragraph):

Hyphenate 'corrosion-resistant'.

Response:

14. 641-2.2.6 (second paragraph):

Hyphenate '14-gauge'.

Response:

15. 641-2.2.6 (second paragraph):

Hyphenate 'vandal-resistant'.

Response:

16. 641-2.2.6 (third paragraph):

Hyphenate 'double-flanged'.

Response:

17. 641-2.2.6 (third paragraph):

Use either '#' or 'No.', but not both.

Response:

18. 641-2.2.6 (fourth paragraph):

Capitalize 'schedule' ('Schedule 40').

Response:

19. 641-3:

Swap hyphen and comma around 'however' ('...Sections 346 and 350; however, the ...').

Response:

20. 641-4.2 (second paragraph):

Hyphenate '4 inch maximum' ('4-inch').

Response:

21. 641-4.2 (second paragraph):

Delete 'the Contractor may'.

Response:

22. 641-4.2 (second paragraph):

Hyphenate '6 inch maximum' ('6-inch').

Response:

23. 641-4.2 (second paragraph):

Change 'The Contractor may backfill with concrete.' to 'Backfill with concrete if necessary' for active-voice compliance.

Response:

24. 641-4.4 (third paragraph):

Hyphenate '1.25 inch PVC conduit' ('1.25-inch')

Response:

25. 641-4.4 (fourth paragraph):

Hyphenate 'weather-resistant'.

Response:

26. 641-4.4 (fourth paragraph):

Remove hyphen between 'externally' and 'mounted'. Adverbs ending in -ly are not hyphenated.

Response:

27. 641-4.4 (last paragraph):

Consider changing 'manufacturer recommended installation instructions, inspection instructions (including recommended schedules and procedures), and operating instructions' to the all-encompassing 'manufacturer's recommendations'.

Response:
