

7151000, Erecting Light Poles  
Comments from Industry Review

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Comments

- 1- The new title for sub-article 715-10.2 includes “**Installing** Anchor Bolts”; however, the very first sentence here indicates that this article is for placing poles on existing foundations or bases **with anchor bolts in place**. None of the text in this subarticle addresses installation of bolts. The new sentence added to the subarticle only address the installation of nuts.
- 2- Also in sub-article 715-10.2, the last sentence refers to 649-5 for installing the nuts on anchor bolts. The procedure in the latest version of 649-5 is specifically written to installation of poles on anchor bolts using leveling nuts under the pole base. On Index 17515, shet 3 of 3, “Pole Base Elevation”, the detail shows that the typical pole base (transformer base) does not get attached with leveling nuts. Even if you used a leveling nut under the transformer base, once the transformer base gets placed over the leveling nuts, I don’t think you would have the access required to carry out the procedure on 649-5. If this new sentence applies only to certain poles, it should be clarified.

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John Danielsen, P.E.  
District 4 Structures Maintenance Engineer

Comment:

***715-10.6 Screen Installation – Install a screen in accordance with 649-6***

Since this spec covers standard lighting and high mast lighting, I would consider changing the above to reference only high mast lighting poles only. It may be confusing without this as conventional lights do not require this.

***715-10.6 Vermin Screen Installation – For High Mast Light Poles or as required in the plans, install screen at pole base in accordance with 649-6.***

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Raelene Quintero  
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Comments:

***715-10.2 Adjusting and Installing Anchor Bolts*** - The configuration for a standard light pole and a mast arm/strain pole are different. The references made in Spec 649-5 to lower top anchor nuts, upper top anchor nuts and leveling nuts do not apply. The standard light pole does not have these components. Please see Design Standard 17515 foundation anchor bolt connection and compare it with 17723 Steel Strain Pole or 17745 Mast Arms anchor bolt connection.

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**715-10.6 Screen Installation** – Specification 649-6 Grouting makes no reference to a screen. It is for placing a grout pad only. The requirement for a screen would be found in the contract plans as stated in 649-6.1 Alternatives to Grouting.

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**Comment:**

I suggest adding "and washer" to the statement below: "Install screws on 9 inch centers maximum and At least one screw and washer shall be installed through the overlapping splice to clamp the layers together." And recommend adding "drilling pilot holes for screws if necessary", as stainless steel is softer than galvanized steel.

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