

**ORIGINATION FORM**  
**Proposed Revisions to the Specifications**  
(Please provide all information - incomplete forms will be returned)

**Date:** \_\_\_\_\_ **Office:** \_\_\_\_\_  
**Originator:** \_\_\_\_\_ **Specification Section:** \_\_\_\_\_  
**Telephone:** \_\_\_\_\_ **Article/Subarticle:** \_\_\_\_\_  
**email:** \_\_\_\_\_ **Associated Section(s) Revisions:** \_\_\_\_\_

**Will the proposed revision require changes to the following Publications:**

<b>Publication</b>	<b>Yes</b>	<b>No</b>	<b>Office Staff Contacted</b>	<b>Date</b>
Standard Plans Index				
Traffic Engineering Manual				
FDOT Design Manual				
Construction Project Administration Manual				
Basis of Estimate/Pay Items				
Structures Design Guidelines				
Approved Product List				
Materials Manual				
Maintenance Specs				

**Will this revision necessitate any of the following:**

**Design Bulletin      Construction (DCE Memo)      Estimates Bulletin      Materials Bulletin**

**Have all references to internal and external publications in this Section been verified for accuracy?**

**Synopsis: Summarize the changes:**

**Justification: Why does the existing language need to be changed?**

**Do the changes affect either of the following types of specifications (Hover over type to go to site.):**

**[Special Provisions](#)      [Developmental Specifications](#)**

**List Specifications Affected: (ex. SP3270301, Dev330TL, Dev334TL etc.)**

**Contact the State Specifications Office for assistance completing this form.**

1. Are changes in line with promoting and making meaningful progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?
2. What financial impact does the change have; project costs, pay item structure, or consultant fees?
3. What impacts does the change have on production or construction schedules?
4. How does this change improve efficiency or quality?
5. Which FDOT offices does the change impact?
6. What is the impact to districts with this change?
7. Does the change shift risk and to who?
8. Provide summary and resolution of any outstanding comments from the districts or industry.
9. What is the communication plan?
10. What is the schedule for implementation?

## **GALVANIZED STEEL POLES, MAST ARMS, AND MONOTUBE ASSEMBLIES (REV 4-28-23)**

SUBARTICLE 649-2.1 is deleted and the following substituted:

**649-2.1 Pole Assembly:** Use pole assemblies as shown in the Standard Plans when standard mast arm assemblies, standard strain pole assemblies, or standard steel CCTV pole assemblies are required by the Contract Documents.

Obtain ~~poles, mast arm, and~~ monotube assemblies from a fabrication facility that is listed on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

Obtain poles and mast arms from a fabrication facility that is approved in one of the following fabrication categories:

1. American Institute of Steel Construction, Highway Component  
Manufacturer

2. American Welding Society, Certified Welding Fabricator

3. Canadian Welding Bureau, Fusion Welding of Aluminum (W47.2)

Use coating products meeting the requirements of Section 975.

Use grouts meeting the requirements of Section 934 and listed on the Department's Approved Product List (APL).

Use water meeting the requirements of Section 923.

Use membrane curing compounds meeting the requirements of Section 925.

ARTICLE 649-3 is deleted and the following substituted:

### **649-3 Fabrication.**

Fabricate poles, mast arm, and monotube assemblies and miscellaneous hardware in accordance with the Contract Documents. Cut all materials to the final dimensions and complete all welding prior to galvanizing. Obtain all components for individual strain poles, mast arm and monotube assemblies from the same fabricator. Obtain the luminaire and bracket from other sources, when necessary.

All welds must be visually inspected for final approval by an actively certified welding inspector, qualified through the American Welding Society. A certifying statement from the welding inspector must be provided with the railing. The document must identify the project information, date of inspection, welding inspector name, and inspector certification number.

Affix an aluminum identification tag which will be visible from the handhole or located inside the terminal box containing the information described in the Standard Plans.

Before shipping, assemble monotube assemblies to assure proper fit. Monotube assemblies may be separated for shipment.

For mast arms, use adequate manufacturing controls to assure proper fit, ensuring dimensional tolerances are met and that mast arm to pole connections can achieve a snug-tight condition as defined in 649-7.

Ensure all components are protected from damage during shipping and handling by wrapping or other effective methods. Replace any component, which the Engineer determines is damaged beyond repair, at no additional cost to the Department. If components are wrapped for

shipment, remove wrappings no later than five days after receipt of components or immediately if the wrappings become saturated. Post these instructions in brightly colored wording on the wrapper. Failure to comply with these instructions may lead to damage of the coating system and will be cause for the rejection of the component.