

6490200 GALVANIZED STEEL STRAIN POLES, MAST ARMS AND MONOTUBE
ASSEMBLIES – MATERIALS.
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (10-12-10)

One benefit of the QPL list on structures like mast arms is that it allows a contractor to get approval based on the QPL number without a full shop drawing review. This allows a contractor to submit without waiting for shop drawings to be produced and release without the lengthy review. Overall, this typically saves the contractor 30- 45 days which can be critical on fast projects.

If we can keep the standard structure submittal process quick, then there shouldn't be a problem. But technically, the engineer of record will be accountable for reviewing the shop drawings and may delay the process.

Response: As stated in the Origination Form, a note will be added to each Design Standard stating "In accordance with Specification 5-1.4.2, shop drawings are only required for additions, deletions, or modifications to this Design Standard".

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Comments: (10-12-10)

We need to add something like the following to the proposed spec changes so the contractor will know to go to the Design Standards for the standard configurations and standard pole assemblies:

- Add to 649-2: Use strain poles and mast arm assemblies as shown in the Design Standards for all standard configurations.
- Add to 715-1: Use pole assemblies as shown in the Design Standards when standard aluminum pole assemblies or standard high mast light assemblies are required by the Contract Documents.

Response: Agreed. For consistency, the language used in 715-1 will also be used in 649-2.

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Comments: (10-13-10)

Will Submittal Drawings for Approval be required before an order can be released since the List of Approved Manufacturers have not provided drawings to the State for Prior Approval. Doesn't this defeat the purpose of a Predesigned Structure?

Response: As stated in the Origination Form, a note will be added to each Design Standard stating "In accordance with Specification 5-1.4.2, shop drawings are only required for additions, deletions, or modifications to this Design Standard".

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Comments: (10-14-10)

This is in response to your proposed change of specification 6490200; Galvanized steel strain poles, Mast arms and monotube assemblies-materials.

1. How do you get on the approved list with an accepted quality control program and the list of metal producers of 105-3?
2. Does this mean the manufacturer has to submit on every project to provide drawings and calculations?
3. What does it mean the QPL requirements for strain poles, mast arm and monotube assemblies can be used for fabrication? Did a manufacturer use an unauthorized drawing for submittals?

Response:

1. To get on the approved list with an accepted quality control programs, contact the State Material s Office. When reviewed on 11-12-10, Union Metal was on the FDOT List of Metal Fabricators with Accepted QC Programs.
2. As stated in the Origination Form, a note will be added to each Design Standard stating "In accordance with Specification 5-1.4.2, shop drawings are only required for additions, deletions, or modifications to this Design Standard".
3. In most cases, the QPL drawings contain the exact same information as in the Design Standard. The Design Standard will be modified as necessary to accommodate any minor differences.

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Comments: (10-28-10)

649-2 Material, The only concern I have with this change is, will these metal producers that are listed be required to certify their products before use on DOT jobs, similar in nature as we do with class 1 concrete. I think they should, now that there won't be any more QPL <<>> The "standard configurations shown in the Design Standard" wordings have been lined out. Will the configurations remain in the Design Standard for reference especially for a new inspector? If not, the listed metal producers should provide certified standard configuration with their products.

Response: General certifications in Specifications 9-8 and 105-4 apply and additional certification is not required. The Design Standards will remain essentially the same with the addition of the following note: In accordance with Specification 5-1.4.2, shop drawings are only required for additions, deletions, or modifications to this Design Standard".

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Comments: (11-5-10)

Currently, shop drawings are not required for strain poles and mast arm assemblies list on the QPL for standard configurations. Removing the QPL requirements will require that all shop drawings for standard assemblies be submitted to the EOR for review.

Response: As stated in the Origination Form, a note will be added to each Design Standard stating "In accordance with Specification 5-1.4.2, shop drawings are only required for additions, deletions, or modifications to this Design Standard".
