

Section 915—Mast Arm Assemblies

915.1 General Description

This section includes the requirements for steel posts, arms, and guy wires and cable for mast arm assemblies.

915.1.01 Related References

A. Standard Specifications

[Section 106—Control of Materials](#)

B. Referenced Documents

ASTM A 53/A 53M

ASTM A 475

Federal Specification FF-T-2765, Type III

[QPL 72](#)

915.2 Materials

915.2.01 Steel Posts and Arms for Mast Arm Assembly

A. Requirements

1. Use steel posts and arms of the dimensions shown on the Plans and that meet the requirements of ASTM A 53 for Type E or S, Grade B with a galvanized finish.
2. Use pipe of weight class XS, schedule No. 80. Do not use the hydrostatic test requirements.
3. Submit a certification to the Engineer from the manufacturer that the materials meet the requirements of this section.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

The Engineer will accept the material based on the certification, according to [Subsection 106.05, “Materials Certification.”](#) and on results of galvanized coating tests made by the Department.

D. Materials Warranty

General Provisions 101 through 150.

915.2.02 Guy Wires and Cable

A. Requirements

1. Use guy wires for mast arm assemblies and cable for overhead sign assemblies of the dimensions shown on the Plans and that meet the requirements of ASTM A 475, Siemens-Martin Grade, with Class A coating.
2. Provide extra heavy wire rope thimbles that meet Federal Specification FF-T-2765, Type III for each end of the cable.
3. Submit a certificate from the manufacturer according to [Subsection 106.05, “Materials Certification.”](#)
For a list of sources, see [QPL 72](#).

B. Fabrication

General Provisions 101 through 150.

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C. Acceptance

The Engineer will accept the material based on the certificate.

D. Materials Warranty

General Provisions 101 through 150.