

## **733 SIGNAL INDICATIONS AND MOUNTING ASSEMBLIES**

Equipment compatibility is very important. All equipment at an intersection is required to be from the same manufacturer and of the same material. Maintenance or replacement costs are minimized by this requirement.

The Special Provisions or Project Plans will provide details and description of acceptable equipment and materials to be used on the project. It is important that the required shop drawings and materials list comply with the contract documents and show the specified material to be furnished.

### **Installation Procedures**

- Check the signal hardware package when it is delivered to the project site for conformity with the approved materials list, Standard Drawings, and project specifications.
- Has the accuracy of pole layout for mounting assemblies been checked for correct orientation against the pole schedule and the Standard Drawings?
- Were the mounting bolts properly sized, galvanized steel bolts, 13-UNC with one flat washer and one lock washer?
- Check pipe nipple lengths on mounting assemblies.
- Were elevator plumbizers and pole plates checked to verify they were made of bronze?
- Check for double nutting on the through bolt for elevator plumbizers.
- Are all mounting assemblies plumbed and securely assembled?
- Are the arrow signal face lenses made of glass?
- Are the tunnel visors at least 11 inches (280 millimeters) in length?
- Check back plate dimensions.
- Were the correct wattage and type signal lamps installed?
- Check back plate for no open gap between elevator plumbizer and signal face section.
- When fiber optic turn-arrows are installed, check the post and side mounts to verify the individual lens holders are mounted perpendicular to the signal face. On mast arm mounts, they should have a 10-degree down angle.
- Were new not-in-service signal heads covered with burlap?