

TRAFFIC AND SAFETY NOTE 261B

SUBJECT: Financial Participation in Traffic Signal Mast Arm Poles & Mast Arms

PURPOSE: Assign Cost Participation for Mast Arm Pole Installation

COORDINATING UNIT: Traffic Signals Unit

INFORMATION: The use of mast arm poles and mast arm mounted traffic signals is allowed if requested by the local governmental agency or when a developer installs a new or modified signal, but costs associated with the installation will be paid by the local governmental agency as listed below:

- 1) There will be no additional installation cost to the local governmental agency if all three of the following are met:
 - A. The department already plans to replace the existing signal heads, span wire, and poles.
 - B. The mast arm pole and mast arm installations are as economical or more economical in cost comparison with span wire installations.
 - C. The traffic signal head configuration is acceptable.
- 2) The local governmental agency will pay for any additional cost to install mast arm poles and mast arm mounted traffic signals as opposed to span wire mounted signals if the following are met:
 - A. The department already plans to replace the existing signal heads, span wire, and poles.
 - B. A span wire installation is more economical than a mast arm installation.
 - C. The signal head configuration is acceptable.
- 3) The local governmental agency will pay for all costs associated for the installation of mast arm poles and mast arm mounted traffic signals if the following is met:
 - A. The department has no current plans to replace the existing signal heads, span wire, or poles.
 - B. The signal head configuration is acceptable.

- 4) The local agency will pay a biennial fee (estimated at \$500 per structure with a 3% increase per year) to cover costs of structural inspection for Category II or Category III mast arm pole and mast arm installations. Inspection will be according to the Michigan Department of Transportation's Procedure for Inspection of Traffic Signal Mast Arm Poles and Mast Arms. This fee will be billed to the local agency by MDOT. The local agency must submit an Advance Resolution to MDOT acknowledging these costs prior to installation of the structures.

When existing traffic signal mast arm poles and mast arm installations are replaced, the local governmental agency is responsible for any additional costs due to the mast arm pole and mast arm installation. If the local governmental agency is not willing to pay for any additional costs, a span wire mounted traffic signal will be installed.

Due to the limited length of mast arms, they are not suitable to all intersections. If an acceptable traffic signal head configuration cannot be obtained with mast arms pole and mast arms, they will not be allowed regardless of cost.