SPECIFICATIONS AND NOTES APPLICABLE TO SPAN WIRE TRAFFIC SIGNAL SUPPORTS:

ONLY SPAN WIRE TRAFFIC SIGNAL SUPPORTS INCLUDED IN THE AUTHORITY'S APPROVED LIST WILL BE ACCEPTED. AFTER THIS DATE, IF A SPAN WIRE TRAFFIC SIGNAL SUPPORT HAS NOT BEEN INCLUDED IN THE AUTHORITY'S APPROVED LIST, IT WILL BE SUBMITTED FOR EVALUATION APPROVAL AND INCLUSION IN THE APPROVED LIST BEFORE USING IT IN ANY OF OUR CONSTRUCTION PROJECTS. THE CONTRACTOR SHALL NOT BEGIN THE CONSTRUCTION OF ANY SPAN WIRE TRAFFIC SIGNAL SUPPORT IF THE AUTHORITY HAS NOT APPROVED THE STRUCTURE.

DESIGN SPECIFICATIONS AND GENERAL CRITERIA:

Design Specifications:

Span wire traffic signal pole shall be designed using the ASHMO standards specifications for structural, supports for highway signs, luminaires and traffic signals. Third draft, March 1979.

The working stress method shall be used in the design. Each type of support shall be designed to withstand the following loading:

<table>
<thead>
<tr>
<th>Pole Type</th>
<th>Design Wind at Finished Grade (kips)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 200</td>
<td>200</td>
</tr>
<tr>
<td>SW 300</td>
<td>300</td>
</tr>
<tr>
<td>SW 380</td>
<td>380</td>
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</tbody>
</table>

The eyebolts used to connect the span wire to the pole shall withstand a minimum allowable tension load of 5,500 pounds.

General Criteria:

The contractor is responsible for surveying the span wire traffic signal location and obtaining necessary and accurate survey data. The contractor is responsible for constructing underground surveys of the signal pole location by means of test pits or remote sensing devices to ascertain the existence or non-existence of underground obstructions. Underground obstructions shall be identified with the exception of drainage, water, sewage, or other underground obstructions permitted by the engineer. The contractor is responsible for the installation of underground surveys.

The span wire shall be designed to withstand a wind load of 70 mph. The span wire shall be capable of supporting a crossarm of any length. The span wire shall be designed to withstand the static and dynamic loads on the structure caused by the traffic.

MATERIAL SPECIFICATIONS:

Aluminum Supports:

Specification for aluminum supports shall conform to ASHMO design manual, of aluminum association.

Galvanized Steel Supports:

Galvanized steel supports shall conform to the ASHMO standard specifications for highway bridges. Latest edition.

Reinforced or Prestressed Concrete Supports:

Portland cement concrete used for reinforced or prestressed concrete supports shall conform to the authority standard specification 601.

The use of Portland cement, reinforced or prestressed concrete supports shall conform to the authority standard specification 601.

Reinforced Steel:

All reinforcement steel shall conform to the authority's standard specification 603.

Anchor Bolts:

Anchor bolts, washers and nuts shall not be hot dip galvanized and conform with ASHMO A475.

Cables:

Span wire cable shall comply with ASTA A-475. (Stutes Grade)

The minimum diameter of strand = 5/32". Number of wires in strand = 7. Minimum breaking strength of strand = 10,000 pounds, and zinc coated class A.

Safe tethers shall comply with ASTA A-475. (Stutes Grade)

Nominal diameter of strand = 5/32". Number of wires in strand = 7. Minimum breaking strength of strand = 2,400 pounds, and zinc coated class A.

Alloy Steel Eyebolts:

Eyebolts shall comply with F314, Type 1 or 2. Eyebolts shall not be hot dip zinc according with ASTA A113.

Cable Clips:

Cable clips shall comply with ASTA F508, Class A-B.

Turbodrives:

Turbodrives shall comply with ASTA F1143, and have a length of 311.

Cable Connectors:

The manufacturer shall submit full specifications and drawings for the proposed cable connectors, ports and terminals with his shop drawings. Use of thimbles at all cable connectors to eyebolts and turbodrives is mandatory.

有效的日期: DEC 2000

交通信号系统规格

交通信号系统规格

日期: 2000-12-31

常规规格

规格说明和附录

交通信号系统规格

日期: 2000-12-31

常规规格

规格说明和附录