LOCATION OF UNDERPASS LIGHT MOUNTING BRACKET

GENERAL NOTES:
1. All 150 watt HPS and 150 watt equivalent LED luminaires may be procured from any standard or non-standard manufacturer. See project layout sheets for specific details.
2. Conduit will be paid for under Item 618, "Conduit and conduits are paid for directly but is subsidiary to Item 506, "Roadway Illumination Assemblies".
3. Mounting bracket detail. The locations shown in the table are to be paid for under Item 619, "Roadway Illumination Assemblies".
4. The bracket locations are to be paid for under Item 618, "Conduit and conduits are paid for directly but is subsidiary to Item 506, "Roadway Illumination Assemblies".
5. Fabrication and assembly of the bracket and support arm will not be paid for directly but is subsidiary to Item 506, "Roadway Illumination Assemblies".

B. TYPE 1
1. Provide 2 in. rigid metal conduit (2.375" O.D., 0.146" wall) for Type 1 arm shaft.
2. Use 3/8" stainless steel bolt or stud non-epoxy type expansion anchors for concrete for Type 1 mounting. Except as noted, provide for all concrete columns as shown. Anchor as approved by the Engineer.
3. Attach conduit to plate with 4 saddles, four - 1/2" Dia. bolts, nuts, and washers in accordance with the manufacturer.

C. TYPE 2
1. Provide 2 in. rigid metal conduit (2.375" O.D., 0.146" wall) or provide a combination of 2 in. rigid conduit (2.375" O.D., 0.146" wall) and 2 in. PVC conduit (2.375" O.D., 0.193" wall) for Type 2 arm shafts. Field cutting and threading of rigid conduit will be performed at the manufacturer. Provide a combination of 2 in. rigid metal conduit and 2 in. PVC conduit for Type 2 arm shafts. Field cutting and threading of rigid conduit will be performed at the manufacturer. Provide a combination of 2 in. rigid metal conduit and 2 in. PVC conduit for Type 2 arm shafts.
2. Conduit will be paid for under Item 618, "Conduit and conduits are paid for directly but is subsidiary to Item 506, "Roadway Illumination Assemblies".
3. Conduit will be paid for under Item 618, "Conduit and conduits are paid for directly but is subsidiary to Item 506, "Roadway Illumination Assemblies".

TABLE 5
LOCATION OF UNDERPASS LIGHT MOUNTING BRACKET TABLE

<table>
<thead>
<tr>
<th>Span Length</th>
<th>Minimum Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.00&quot;</td>
<td>15.00&quot;</td>
</tr>
<tr>
<td>9.00&quot;</td>
<td>25.00&quot;</td>
</tr>
<tr>
<td>12.00&quot;</td>
<td>25.00&quot;</td>
</tr>
</tbody>
</table>

ROADDAY ILLUMINATION DETAILS

UNDERPASS LIGHT FIXTURES (UNDERPASS LIGHT FIXTURES)

RID(3)-17

Texas Department of Transportation
Traffic Engineering Division
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