GENERAL NOTES:
1. Details show a typical warning sign with two flashing beacon heads, other arrangements are possible. When only one beacon is required, sketch the upper beacon.
2. See Item 845, "Roadside Flashing Beacon Assemblies" for further requirements.
3. See MBI sections for typical and vertical clearances and sign mounting details. Install signs as shown on the sign layout sheets.
4. Use either a Screw-In Type Anchor Foundation or a Drilled Shaft Foundation as shown elsewhere in the plans. When signs require a drilled shaft foundation, use standard sheet 1875. Install the Screw-In Type Anchor foundation as per manufacturer's recommendations. On a slope, insert the top edge of the sign so that the sign and anchor foundation are perpendicular to the ground. The bottom of the sign is not required for solar powered flashing beacon assemblies.
5. When used, provide Screw-In Type Anchor foundations as shown on Item 845, “Material Producer List (MPL) in the file "Highway Traffic Signals".
6. Provide clearance as shown above the sidewalk or pavement grade at the edge of the road. When a beacon is not used, place the bottom of the sign at least 1 ft. above the sidewalk or pavement grade at the edge of the road.
7. Provide in wire size 20" to length 550" to a timer pole. Install pole as shown or as directed. Use hardware specifically designed for mounting beacon heads on poles, cabinets. See note 19.
8. Use materials specifically designated for attaching cabinets, beacon heads, solar panels, etc. To poles.
9. Provide 20' in length 8" to 10" in diameter cast aluminum plate.
10. Per manufacturer's recommendations, engage all threads on the pedestal pole and base unless the pipe is fully seated into base. In high winds, use a pole and base or decorative to add strength and prevent vandalism on connection.
11. Provide single pole non-fused breakaway electrical connectors for flush (0", +1/2") above grade.
12. Install the connections as shown elsewhere in the plans. When plans require a Drilled Shaft Foundation as shown elsewhere in the plans, the screw-in type anchor foundation is not required for solar powered flashing beacon assemblies.
13. Provide sufficient clearance as shown above the sidewalk or pavement grade at the edge of the road. When a beacon is not used, increase the bottom of the sign at least 1 ft. above the sidewalk or pavement grade at the edge of the road.
14. Provide in wire size 20" to length 550" to a timer pole. Install pole as shown on the plans or as directed.
15. See standard sheet Electrical Details (ED) for additional requirements regarding the installation of ground boxes/ battery boxes, cabinets, and connection.
16. Include when required by the manufacturer. Provide sufficient access to determine the wire size from cabinet to batteries.

<table>
<thead>
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<th>Wire Size (AWG)</th>
<th>Conductors</th>
<th>Insulated</th>
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</thead>
<tbody>
<tr>
<td>&gt; 100</td>
<td>35 - 60</td>
<td>#10</td>
</tr>
<tr>
<td>60 - 100</td>
<td>35 - 60</td>
<td>#12</td>
</tr>
<tr>
<td>0 - 35</td>
<td>75 - 100</td>
<td>#14</td>
</tr>
</tbody>
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DETAIL FOR SOLAR PANEL, CABINET, AND BATTERIES LOCATED OUT OF CLEAR ZONE ON TIMBER POLE

1. Details show a typical warning sign with two flashing beacon heads, other arrangements are possible. When only one beacon is required, sketch the upper beacon.
2. See Item 845, "Roadside Flashing Beacon Assemblies" for further requirements.
3. See MBI sections for typical and vertical clearances and sign mounting details. Install signs as shown on the sign layout sheets.
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10. Per manufacturer's recommendations, engage all threads on the pedestal pole and base unless the pipe is fully seated into base. In high winds, use a pole and base or decorative to add strength and prevent vandalism on connection.
11. Provide single pole non-fused breakaway electrical connectors for flush (0", +1/2") above grade.
12. Install the connections as shown elsewhere in the plans. When plans require a Drilled Shaft Foundation as shown elsewhere in the plans, the screw-in type anchor foundation is not required for solar powered flashing beacon assemblies.
13. Provide sufficient clearance as shown above the sidewalk or pavement grade at the edge of the road. When a beacon is not used, increase the bottom of the sign at least 1 ft. above the sidewalk or pavement grade at the edge of the road.
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