TRAFFIC SIGNAL STANDARDS
(MAST ARM TYPE)

Anchor Bolt Detail

Section A-A

Leveling nuts

Grounding lug

Alternate Signal Standard Base

Note: For use with Type IV and combination signal standards only

Section B-B

Leveling nuts

Grounding lug

Combination Signal and Light Standard

Minimum Clearance Detail

Type IV Signal Standard

Notes:
- Use light standard extension for these signal standards as a later date under a separate contract.
- Notes: Light standard and extension: Use light standard extension galvanized in accordance with ASTM A 133.
- Signal head: See Traffic Signal Layout for correct mounting position, number, size, and arrangement of lenses. Use mast mounted signal heads with a clearance between 17 ft. and 18 ft. from the C of the roadway to the bottom of signal heads.
- Multi-sided poles: Provide a means, other than friction, that will not allow the mast arm to be rotated by wind forces. Fabricate the poles so the mast arm is rotatable. This feature is to be as approved by the Engineer.
- Transformer base: In lieu of the transformer base, use the alternate signal standard base.

Combination Signal and Light Standard

<table>
<thead>
<tr>
<th>Signal Standard Type</th>
<th>Luminaire Mounting Height (ft)</th>
<th>Installed Light Standard Extension and Luminaire Mast Arm</th>
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<tr>
<td>A</td>
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<tr>
<td>B</td>
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<tr>
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<td>(A)</td>
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<td>H</td>
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<td>(A)</td>
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<tr>
<td>J</td>
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</table>

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This document was originally issued and sealed by
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on 10-17-2017 and the original document is stored at the North Dakota Department of Transportation.