To Whom It May Concern-

On February 28, 2019, the Standards Committee approved the following Supplemental Drawings and Supplemental Specifications as Priority 1 changes:

SN 15B2 Freeway Sign Post and Foundation Requirements
SN 15C Freeway Sign Base Post Requirements (B6A, B6B, and B6C)
SN 15E Freeway Sign Fuse Plate Requirements

02744M Stone Matrix Asphalt (SMA)

UDOT Policy 08A-05 states that Priority 1 changes "impact all projects in construction and design with a Change Order, Addenda, and immediate change to projects being advertised."

Please adjust any projects with bid items affected by this change accordingly.

Sincerely,

Kris Peterson
UDOT Director of Project Development
Chairman, Standards Committee

cc: Robert Stewart
    George Lukes
February 28, 2019

To: All REs, DEs, Region Directors, PMs, Region Traffic Operations Engineers, Region Preconstruction Engineers, Central Advertising, Region Sign Crews, Program Managers, Project Support Techs

From: Kris T. Peterson, P.E., Project Development Director

Re: 2017 Fuse Plate Standard Drawings - Immediate Action Needed

2017 Standard Drawings SN 15B2, SN 15C and SN 15E, dated January 1, 2017, were redesigned and approved for publication with the 2017 Standard Drawings. Due to crashworthiness concerns, UDOT Central Traffic and Safety has determined that the fuse plate design in 2017 Standard Drawings SN 15B2, SN 15C and SN 15E dated January 1, 2017 should not be used.

The standard drawings were updated today as part of the February 2019 Standards Committee meeting.

Please take the following actions immediately:

Completed Projects

Please use this memo as my directive to immediately remove and replace all fuse plates installed using the 2017 Standard Drawings and replace the fuse plates using the attached Retrofit Fuse Plate Detail.

Any fuse plates located where they cannot be struck by vehicles i.e. behind barrier or otherwise protected from the roadway, do not need to be replaced.

Projects Under Construction

Please use this memo as my directive to immediately execute change orders on all active projects that have requirements to install signs according to the 2017 Standard Drawings SN 15 series as follows:

- For signs already installed using UDOT 2017 Standard Drawing SN 15E: execute a non-participating change order that directs the contractor to remove and replace said fuse plates in accordance with the Retrofit Fuse Plate Detail (attached). If the signs are located where they cannot be struck by vehicles, i.e. behind barrier or otherwise protected from the roadway, do not need to be replaced.
• For signs wherein material has already been ordered using UDOT 2017 Standard Drawing SN 15E: execute a non-participating change order that directs the contractor to install sign supports with fuse plates according to the attached Retrofit Fuse Plate Detail. Upon documentation from the contractor, this memo authorizes payment for materials ordered but not used. However, if the signs are placed where they cannot be struck by vehicles, i.e. behind barrier or otherwise protected from the roadway, these signs should use the 2017 plates as bid.

• For installations not yet installed or ordered: execute a change order that changes contract requirements by removing reference to 2017 Standard Drawings SN 15B2, SN 15C and SN 15E. Add reference to 2017 Supplemental Drawings SN 15B2, SN 15C and SN 15E from the February 28, 2019 Standards Committee Meeting.

Projects in Design

Please use this memo as my directive to immediately address all projects in design that have signs using the 2017 Standard Drawings SN 15B2, SN 15C and SN 15E by including detail sheets with the 2017 Supplemental Drawings SN 15B2, SN 15C and SN 15E from the February 28, 2019 Standards Committee Meeting.

Any signs located where they cannot be struck by vehicles, that are behind barrier or otherwise protected from the roadway, may be designed without breakaway bases and fuse plates.

Projects Submitted for Advertising or Currently Advertised

Please use this memo for any projects that have fuse plates to be installed on the project, to require removal of 2017 Standard Drawings SN 15B2, SN 15C and SN 15E and replace them with fuse plates according to 2017 Supplemental Drawings SN 15B2, SN 15C and SN 15E. Please coordinate with central construction to execute an addendum for any projects that will not have bid opening within one week, otherwise execute a change order after award.

Additional Considerations

For projects with signs that exceed the size allowable under Supplemental Standard Drawings SN 15B2 and SN 15E; contact Glenn Blackwelder at UDOT central Traffic and Safety (gblackwelder@utah.gov).

The intent of this memo is to ensure that the published 2017 Standard Drawings SN 15B2, SN 15C and SN 15E are no longer used and that no fuse plates remain installed in accordance with those drawings (except those behind barrier or otherwise placed where they cannot be struck).

Respectfully,

Kris Peterson, P.E.
Project Development Director

ATTACHED
FUSE PLATE AND SPLICE PLATE TABLE

<table>
<thead>
<tr>
<th>POST SIZE</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>Q</th>
<th>R</th>
<th>S</th>
<th>D2</th>
<th>D3</th>
<th>T3</th>
<th>BOLT SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B3 x 5.7</td>
<td>3/16&quot;</td>
<td>2&quot;</td>
<td>3/4&quot;</td>
<td>2/8&quot;</td>
<td>1/8&quot;</td>
<td>1/2&quot;</td>
<td>1/8&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
<td>1/2&quot;</td>
<td></td>
<td>1/4&quot;/1/2&quot;</td>
</tr>
<tr>
<td>S4 x 9.5</td>
<td>4/16&quot;</td>
<td>2/4&quot;</td>
<td>2/4&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
<td>1/8&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>B6 x 12.5</td>
<td>4/8&quot;</td>
<td>2/10&quot;</td>
<td>1/2&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
<td>5/32&quot;</td>
<td>1/16&quot;</td>
<td>1/8&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>B6 x 17.5</td>
<td>4/8&quot;</td>
<td>2/10&quot;</td>
<td>1/2&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
<td>5/32&quot;</td>
<td>1/16&quot;</td>
<td>1/8&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>B8 x 18.5</td>
<td>5/8&quot;</td>
<td>2/12&quot;</td>
<td>1/4&quot;</td>
<td>3/16&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
<td>7/64&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>5/32&quot;</td>
<td>7/32&quot;</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td>W70 x 46</td>
<td>1/2&quot;</td>
<td>1&quot;</td>
<td>2&quot;</td>
<td>3/4&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td></td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>W70 x 49</td>
<td>1/2&quot;</td>
<td>1&quot;</td>
<td>2&quot;</td>
<td>3/4&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td></td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

CONTACT GLENN BLACKWELDER: 801-918-4180 OR GBLACKWELDER@UTAH.GOV

SPICE PLATE (REAR) DETAIL

FUSE PLATE (FRONT) DETAIL

NOTES:
1. DETAIL TO BE USED IN ACCORDANCE WITH FUSE PLATE MEMO FROM KRB PETERSON DATED 02/28/18.