Memorandum

To: Ivan B. Ulberg, P.E., Traffic Design Engineer  
Danielle C. Bolan, P.E., Traffic Operations Engineer  
Patricia Burke, P.E., Traffic Safety Engineer  

From: Roy A. Peterson, P.E., Traffic and Safety Engineer  

Date: September 26, 2017  

Subject: Type XI Sign Sheeting – Application  
Florescent Yellow for Curve, Pedestrian and no passing signs  
Replacement schedule for signs  

Type XI (eleven) sign sheeting for sign faces has shown to have higher visibility than type IV and type IX sheeting during all light conditions, has a higher level of retro reflectivity, and has a longer life before replacement. Type IX sheeting is being phased out of the industry by all vendors.

For the purposes of design, MDT’s standard of practice shall be to specify type XI sheeting for all warning and regulatory signage. Any additional applications that currently use type IX sheeting, such as lettering for large overhead D-3 signs, will now use type XI. Background sheeting for D-3 signs will remain type IV. Black / white route markers will also use type XI sheeting to simplify sign producers’ inventories.

This change will be mandatory to all projects with letting dates after June 1, 2018. This will allow sign producers time to use all existing type IX inventory. These changes may begin to be implemented at the issue date of this memo at the discretion of the designer.

Florescent yellow (FY) sheeting shall be used for horizontal alignment signs, no passing zone pennants (a new addition to the FY sign line-up) and pedestrian crossing signs, excluding school crossings. School crossing signs shall remain florescent yellow green.

MDT Maintenance is currently transitioning from type IX to XI. They are no longer ordering type IX sheeting. However, there is a large inventory of existing regulatory and some warning signs. These may still be deployed until all existing stock is depleted.

The replacement schedule for sign faces shall be 10 (ten) years for all signs, and will be based on the date the sign was installed. When sign replacement is included in the scope of a construction project, replacement of all signs 8 years or older based on the ready date will be required.

Two new bid items have been created to be used when preparing cost estimates and plans packages for contract plans. They are:

619 010 090 SIGNS-ALUM REFL SHEET XI  
619 010 062 SIGNS-ALUM SHEET INCR XI
No Passing Zone / Pedestrian Crossing Signs

Figure 2C-1. Horizontal Alignment Signs and Plaques

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<td>W1-13</td>
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Note: Turn arrows and reverse turn arrows may be substituted for the curve arrows and reverse curve arrows on the W1-10 series signs where appropriate.

copies:  Dwane Kailey, P.E., Chief Engineer
         Jim Cornell, Traffic – Sign Design Supervisor
         Steve Rogne, Traffic – Sign Design Supervisor
         Jay Andrew, Traffic – Signing Checker
         LeRoy Wosoba, P.E. – Traffic Project Engineer
         Mike Grover, P.E. – Traffic Project Engineer
         Scott Gerken, P.E. – Traffic Project Engineer
         Jon Swartz, Maintenance Administrator
         Doug McBroom, Maintenance – Operations Manager
         Harlan Davis, Maintenance – Sign Shop Forman
         Brian Miller, P.E., Consultant Design
         Master File