Memorandum

To: Distribution
From: Paul Ferry, P.E.
Highways Engineer
Date: July 6, 2011
Subject: Median Crossover Changes

Due to a number of complaints from truckers and a follow-up investigation by the Traffic 
& Safety Bureau, the following changes need to be made to median crossovers.

1) A taper rate of 12:1 should be used for median crossovers instead of the 10:1  
(desirable); 8:1 (minimum). The 12:1 taper rate was selected because it is  
comparable to what is used for interstate exit ramps. The crossover is similar  
because the driver is leaving the 4-lane facility and entering a two-lane facility.  
The 12:1 taper rate should also be used for ramp crossovers. The Detailed  
Drawings have been modified accordingly. Sites will be evaluated on a case-by-  
case basis if constraints make the use of this taper rate impractical.

2) We have also experienced some problems with the estimation of crossover  
quantities. Consequently, cross sections should be surveyed at all crossover  
locations because the as-built dimensions may not be accurate.

3) Unless a separate recommendation is provided by the Pavement Analysis  
Section, the surfacing for median crossovers will consist of 0.40’ of plant mix and  
1.0’ of Crushed Aggregate Course

These changes should be made to all projects that have not been submitted to the  
checkers by August 1, 2011. If you have questions concerning this, please contact me  
at 444-6244.

Distribution:

Lesly Tribelhorn, Highways Design Engineer
Damian Krings, Road Design Engineer
Roy Peterson, Traffic & Safety Engineer
Tim Conway, Consultant Design Engineer
Lisa Durbin, Construction Administration Services Engineer
Paul Jagoda, Construction Engineering Services Engineer
Suzy Price, Supervisor – Contract Plans Bureau
Jim Frank, Glendive District Engineering Services Supervisor
Gary Neville, Billings District Engineering Services Supervisor
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe Walsh</td>
<td>Acting Butte District Engineering Services Supervisor</td>
</tr>
<tr>
<td>Shane Stack</td>
<td>Missoula District Engineering Services Supervisor</td>
</tr>
<tr>
<td>Steve Prinzing</td>
<td>Great Falls District Engineering Services Supervisor</td>
</tr>
<tr>
<td>John Cornell</td>
<td>Road Plans Checker</td>
</tr>
<tr>
<td>Kevin Farry</td>
<td>Road Plans Checker</td>
</tr>
<tr>
<td>Tim Tilton</td>
<td>Contract Plans Bureau</td>
</tr>
<tr>
<td>Bryan Vieth</td>
<td>Consultant Design</td>
</tr>
</tbody>
</table>