from ??? ft to ??? ft
Existing width varies from ??? ft to ??? ft
Existing aggregate base depth varies from ??? ft to ??? ft

**EXISTING TYPICAL SECTION**

?? to ??

**NEW TYPICAL SECTION**

?? to ??

**METHOD OF SUPERELEVATION ON CURVES**

See plans for locations of curves and super-elevations

**NOTE:**

1. The gradient and width of roadway ditches and the excavation and embankment slope ratios may be adjusted by the CO to assure adequate drainage and stability.
2. See the cross sections for cut and fill slope ratios.
3. Round all earth slopes and all riprable rock slopes. For cut heights less than B, reduce the B and F dimensions to the actual cut height.
4. Construct curve widening as shown in the table below. Apply the widening on the inside of curves throughout the superelevated sections. Transition the curve widening to coincide with the super-elevation transitions.

**WIDENING ON CURVES**

<table>
<thead>
<tr>
<th>Radius (R)</th>
<th>Widening (R)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over ??</td>
<td>0</td>
</tr>
<tr>
<td>?? to ??</td>
<td>??</td>
</tr>
<tr>
<td>?? &amp; under</td>
<td>??</td>
</tr>
</tbody>
</table>

**LENGTH OF PROJECT**

<table>
<thead>
<tr>
<th>Station to Station</th>
<th>Roadway (R)</th>
<th>Bridge (R)</th>
<th>Read Inventory Program Milepost Data (Cycle ??)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>?? to ??</td>
<td>??</td>
<td>??</td>
<td>?? to ??</td>
</tr>
<tr>
<td>?? to ??</td>
<td>??</td>
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<td>?? to ??</td>
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<td>?? to ??</td>
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<td>?? to ??</td>
</tr>
<tr>
<td>?? to ??</td>
<td>??</td>
<td>??</td>
<td>?? to ??</td>
</tr>
<tr>
<td>TOTAL (R)</td>
<td>??</td>
<td>??</td>
<td>?? to ??</td>
</tr>
</tbody>
</table>

*Read Inventory Program milepost data shown for information only

**TYPICAL SECTIONS MAINLINE**

NO SCALE
NOTES TO THE DESIGNER
Last Updated: August 2014

General Information

1. **Note 5 on the plan sheet.** Note 5 shown on the plan sheet applies to simple curves only. If you use spiral curve transitions, adjust Note 5 to include the following:
   - Construct curve widening as shown in the table below. For simple curves, apply the widening on the inside of curves throughout the superelevated sections. For spiral curves, apply one half of widening to each side of centerline. Transition the curve widening to coincide with the superelevation transitions.

2. **Road Inventory Program Milepost data.** The NPS uses the Road Inventory Program (RIP) as part of their asset management program. Include the RIP milepost data in the ‘Length of Project’ table for NPS projects only. To find this information, use VisiData (see the VisiData Route_GPS Workspace to see mileposts and GPS longitude and latitude) or ask Planning and Programming. Delete the last column in the ‘Length of Project’ table for all non-NPS projects (e.g. USFS, USFWS, IRR, etc).

3. **Cut Slope Rounding.** Refer to the PDDM Subsections 9.5.1.1 and 9.5.2.3.3 for more information on clearing widths and cut slope rounding widths. For a default value, use B=5’ and F=5’.

Applicable SCRs
- Varies

Typical Pay Item Used
- Varies

Updates

- **November 2009**
  - Added RIP milepost data to the Length of Project table to accommodate request from NPS
- **November 2010**
  - Adjusted pavement edge to show safety edge
- **April 2011**
  - Adjusted distances to clearing widths & revised notes to designer
- **August 2014**
  - Updated for FP-14
- **October 2019**
  - Updated safety edge