

**DISTRIBUTION: 71**

<b>MINNESOTA DEPARTMENT OF TRANSPORTATION</b>  <b>DEVELOPED BY:</b> Design Standards  <b>ISSUED BY:</b> Design Services Section	<b>TRANSMITTAL LETTER NO. ( 00-04)</b>  <b>MANUAL:</b> Standard Plates  <b>DATED:</b> December 14, 2000
<b>SUBJECT: 3100G, 3110G, 3128H (1-2), 4020I (1-2), 4025B, 4129G, 4134A, 4143E, 8315C (1-2), 8330E (1-2), 8334A (1-2), 8338B (1-2) and 9000D</b>	

Standard Plate 3100G – This plate was brought up to date with the Metric version. The slopes were changed to rise over run.

Standard Plate 3110G – This plate was brought up to date with the Metric version. Slope designation and Span for 60" Diameter pipe in the chart were corrected.

Standard Plate 3128H (1-2)- The title of this plate was changed to Metal Safety Apron & Grate. On sheet one the anchor was added to the grate for the aprons to match sheet two.

Standard Plate 4020I (1-2) – See attachment. All rebars are in Metric designation.

Standard Plates 4025B, 4129G, 4134A, and 4143E - All rebars are in Metric designation.

Standard Plate 8315C (1-2) – These plates are being voided. This system does not meet NCHRP Report No. 350. The Standards unit may provide a safe alternative in the future.

Standard Plate 8330E (1) – The wood posts were changed to show the hole required by NCHRP Report No. 350. The End and Line Posts were moved on the End View detail. Note one was removed. The note and symbol referring to "outside edge of bit. shoulder or P.I. of gravel shoulder" was removed. A note showing the shoulder P.I., was added. A note was added to explain the anchor block for 3-cable does not meet NCHRP Report No. 350.

Standard Plate 8334A (1) – 48:1 taper was corrected to 1:48. Note four was corrected. All rebars are in Metric designation.

Standard Plate 8334A (2) – 54:1 taper was corrected to 1:54. All rebars are in Metric designation.

Standard Plate 8338B (2) – A Routed Groove Detail was added. A drilled ¾" diameter hole note was added to the Wide Flange Steel Post detail. The extra holes in the Front View and Side View of the Wide Flange Steel Post detail were removed. The W Beam Flared End Section detail name was changed to match other Standard Plates and Plans. The dimensions on the Front View of the Wide Flange Steel Post were adjusted.

Standard Plate 9000D – See attachment.

**INSTRUCTIONS:**

1. Record the transmittal letter number, date and subject on the transmittal record sheet located in the front of the manual.
2. Remove from the manual: 3100G, 3110G, 3128G(1-2), 4020H (1-2), 4025B, 4129G, 4134A, 4140D, 4143E, 8315C, 8330D (1-2), 8334A (1-2), 8338A (1-2), and 9000C.
3. Insert in the manual: 3100G (Rev. 10-16-00), back 3110G (Rev. 10-16-00); 3128H (1-2) (Approved 11-1-00); 4020I (1-2) (Approved 11-22-00); 4024A (Approved 2-2-97), back 4025B (Rev. 2-11-00); 4129G (Rev. 2-11-00),

back blank; 4134A (Rev. 2-11-00), back blank; 4140D (Rev. 5-5-99), back 4143E (Rev. 2-11-00); 8330E (1-2) (Approved 11-1-00); 8334A (1-2) (Rev. 12-7-00); 8338B (1-2) (Approved 11-1-00); and 9000D (Approved 11-1-00), back blank.

4. Any **technical questions** regarding this transmittal should be directed to Colleen Oftedahl, Design Standards, at (651) 296-2743.
5. **Any questions concerning missing manual sheets or extra transmittal letters** should be directed to Map & Manual Sales, M.S. 260 Room G-19 (651) 296-2216. Please furnish in writing any address changes to: Mail Room G-21, M.S. 275 Transportation Building, 395 John Ireland Blvd., St. Paul, MN 55155. Any questions concerning mailing of this material should be directed to the Mail Room G-21 (651) 296-2420.



Amr Jabr  
Design Standards Engineer

**Attachment for Standard Plate 4020I (1-2), Manhole Or Catch Basin Cover:**

4020I (1)

1. The Maximum fill height note was changed to 15 Feet.
2. A note one was added below the Table on the bottom left side of sheet. It is only necessary to use bottom layer of steel on the 48" Dia. C.B. or M.H.. A note to this effect was added to Section A-A also.
3. A note about Spec. 3301 (what to do when rebars are welded) was added to the Notes on the bottom right side of sheet.

4020I (2)

1. In the Section View – Installation detail on 4020I (2), the fill height dimension was corrected and the unnecessary words in the top note were removed.

**Attachment for Standard Plate 9000D, Approaches and Entrances, Recommended Standards:**

As discussed in the June 9, 2000 FDAC meeting, the following changes were made:

The Farm Entrance title was changed to Commercial – Industrial – Farm Entrances and is now 32' wide. A Rural Residential entrance was added to the plate.

Notes one and two were combined. A new note four was added.

The reference to "Stripping as Required" was removed from the Low Volume Road detail.

In the Cross Section detail, the Farm and Field Entrance dimensions were combined into All Other Entrances – 15' Minimum. The subtitle of the plate was changed to RECOMMENDED STANDARDS.

As discussed in the September 19, 2000 FDAC meeting, the following changes were made:

The bituminous shoulder extends 30' past the radius on the Low Volume Road and Commercial – Industrial – Farm Entrance details.

The proposed note two was changed to read "Place 2 FT Wide Bituminous Surfacing As Directed By Engineer".