

**DISTRIBUTION: 71**

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| <b>MINNESOTA DEPARTMENT OF TRANSPORTATION</b>                                       | <b>TRANSMITTAL LETTER NO. (06-02)</b> |
| <b>DEVELOPED BY:</b> Design Standards   | <b>MANUAL:</b> Standard Plates        |
| <b>ISSUED BY:</b> Design Services Section   | <b>DATED:</b> June 6, 2006            |
| <b>SUBJECT: Standard Plates Index (1-4), Standard Plates 8121E (1-2) and 8340A.</b> |                                       |

Standard Plate Index – This is an update of the Standard Plates Manual Index (4 sheets).

Standard Plate 8340A – This is a new Standard Plate. This is similar to Standard Plate 8339A except that all steel posts can be used for both the W-Beam and the 3-Cable systems in the transition.

Standard Plate 8121E(1-2) – The Office of Traffic, Security and Operations requested the changes listed on the 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: Index (4), 8120L, 8122D(1-2), and 8339A.
3. Insert in the manual: Index 1-4 (Dated May, 2006); 8120L (Revised 8-11-04), back 8121E (1) (Approved 3-24-06); 8122E (2) (Approved 3-24-06), back 8122D (Approved 8-17-05); and 8339A (Approved 11-01-02, back 8340A (Approved 1-20-06).
4. Standard Plates are now available on the Internet at <http://www.dot.state.mn.us/tecsup/> pick Standard Plates. They are available in PDF format. It will be the responsibility of the users to get them from our system. A list of the Standard Plates Index is also available in Excel format on the Internet.
5. Any technical questions regarding this transmittal should be directed to Colleen Oftedahl, Design Standards, at (651) 296-2743.
6. Any questions concerning missing manual sheets or extra transmittal letters should be directed to Map & Manual Sales, M.S. 260, Room 110, (651) 296-2216. Please furnish in writing any address changes to: Mail Room G-18, 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-18 (651) 296-2420.

Michael Elle  
Design Standards Engineer

**Re: Standard Plate 8121E(1) Transformer Base and Pole Base Plate (PA85)**

See Top and Base Plate detail:

1. Changed the bottom left note from (10" Dia.– Top plate, 10-1/16" DAF –Base plate) to (10" Dia.– Top plate, 10-7/8" DAF –Base plate).

See Plan detail:

1. Added text on the lower left corner (Long hex socket head 3/8" – 16NC x 2-1/4" screw (18 – 8 SS)).

See Elevation detail:

1. In English, changed text on the left from (10 - 3/8" x 12 -7/8" door opening) to (Door assembly 3/16" x 10-7/8" x 24-15/16" (10-1/2" x 22-1/2" opening)).
2. Changed the height of the door on the drawing and moved the hinges closer to top and bottom of door.
3. Deleted the dimensions (1/4", 4-1/2", and 13-3/8") from the right side, for the door.
4. Added the note (Flat Washer) to bottom of detail.
5. On bottom dimension, changed text (B.C.) to (Bolt Circle).

See Notes:

1. Removed note (6) and moved to first unnumbered note (For substitution of materials, see spec. 1605).

**Re: Standard Plate 8121E(2) Transformer Base and Pole Base Plate (PA90 and PA100).**

See Plan detail:

1. Added text on the lower left corner (Long hex socket head 3/8" – 16NC x 2-1/4" screw (18 – 8 SS)).

See Elevation detail:

1. Changed text on the left from (10-3/8" x 12-7/8" door opening) to (Door assembly 3/16" x 10-7/8" x 24-5/16" (10-1/2" x 22-1/2" opening)).
2. Changed the height of the door on the drawing and moved the hinges farther apart.
3. Deleted the dimensions (1/4", 4-1/2", and 13-3/8") from the right side, for the door.
3. Added the note (Flat Washer) to bottom of detail.
4. On bottom dimension, changed text (B.C.) to (Bolt Circle).

See Notes:

1. Removed note (6) and moved to first unnumbered note (For substitution of materials, see Spec. 1605).