GENERAL NOTES

1. This sheet shall be used when W-beam guardrail is specified. This sheet shall also be used when a W-beam guardrail system requires the use of standard W-beam guardrail components.

2. The details on the sheet are for the standard components of W-beam guardrail.

W-BEAM BACKUP PLATE

SECTION THROUGH BEAM ELEMENT

TOP VIEW

TOP VIEW

FRONT VIEW

FRONT VIEW

CURVED TERMINAL END

W-BEAM TERMINAL CONNECTOR
**DESIGN STANDARDS ENGINEER**

**CHIEF HIGHWAY ENGINEER**

<table>
<thead>
<tr>
<th>L</th>
<th>THREAD LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2&quot;</td>
<td>Full Length Thread</td>
</tr>
<tr>
<td>2&quot;</td>
<td>1 1/2&quot; Min. Thread Length</td>
</tr>
<tr>
<td>8 1/2&quot;</td>
<td>1 1/4&quot; Min. Thread Length</td>
</tr>
<tr>
<td>1'-6&quot;</td>
<td>2 1/2&quot; Min. Thread Length</td>
</tr>
<tr>
<td>2'-1&quot;</td>
<td>2&quot; Min. Thread Length</td>
</tr>
</tbody>
</table>

**SIDE VIEW**

**FRONT VIEW**

**RECTANGULAR PLATE WASHER**

**STEEL WASHER**

**WAVER FOR 8" BOLT**

**INDIANA DEPARTMENT OF TRANSPORTATION**

**W-BEAM GUARDRAIL COMPONENTS**

MAY 2000

STANDARD DRAWING NO. E 601-WBGC-02

/\ Anthony L. Bremovich, 5-01-00
STATE OF INDIANA

/\ Firaz Sandhi, 5-04-00
DEPARTMENT OF TRANSPORTATION

DESIGN STANDARDS ENGINEER

DESIGN STANDARDS ENGINEER
NOTE:
1. These dimensions shall be adjusted as required to accommodate steel post flange.
2. Timber blocks shown in either Detail A or Detail B may be used.

STEEL POST DETAIL

W-Beam Guardrail Components
September 2004

Indiana Department of Transportation

Standard Drawing No. E-991-W569C-03

Front View

3/8" dia. hole
1-1/4"
5-1/4"

3/4" dia. hole
1-1/2"
8"

Top View

Front View

Front View

TOP VIEW

TOP VIEW

W8x9

Front Fig.
Rear Fig.

Holes 3/8"

4"
7-3/4"

4"
7-3/4"

7-3/4"

1/8"

5/8"

1/8"

1/8"