**INTRODUCTION OF GUARD RAIL RUNS**

**STANDARD ROADWAY CONSTRUCTION DRAWING**

**SCD NUMBER**

MGS-5.2

**MGS Type B Assembly Anchor**

6:1 Taper Rate

**FOREFOOT 6:1 or Flatter**

**STANDARDS**

**ENGINEER**

S.T.D.S.

**REVISION DATE**

TRANSPORTATION ADMINISTRATOR

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

07-15-2016

David L. Holstein

D. Fisher

**FLARED ANCHOR ASSEMBLIES**

GRADING PLAN FOR SECTION A-A

SECTION B-B

**NOTES**

2:1

Bench

2:1

Varieties

3:1

Varies

**Pavement**

**Foreslopes**

**Way**

Traveled

Edge of

Shoulder

Treated/Paved

**LENGTH OF NEED (LON)**

<table>
<thead>
<tr>
<th>Pavement</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>26' min.</td>
</tr>
<tr>
<td>50' min.</td>
</tr>
</tbody>
</table>

**Hinge Point**

(50' min).

6:1 taper rate

Offset ("D")

Normal Offset

Offset

**DISTANCE**

The Length of Need, LON, represents the distance from the control point to the beginning of the end treatment.

The control point shown designates the extent of the hazard being shielded and is shown for design use only. See Location & Design Manual, Volume 1, Section 602 for more information.

**GRADING**

The Anchor Assembly shown requires proper grading to function properly. See GRADING PLAN FOR FLARED ANCHOR ASSEMBLIES for more information.

**ANCHOR ASSEMBLY**

Install MGS Type B Anchor Assemblies according to the manufacturer's instructions. Products are installed either on a curved flare or straight flare.

See SCD MGS-4.2

MGS Type T, Anchor Assembly

MGS Type B, See SCD MGS-4.2

**APPLICATION**

Utilize details shown here only where approach foreslopes are 6:1 or Flatter.

SLOPES: Slopes designated by * are 6:1 or Flatter. Construct slopes labeled "A" or "B" as specified in the plans.

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