Local Systems
<table>
<thead>
<tr>
<th>NO.</th>
<th>DATE</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-625</td>
<td>10-19-21</td>
<td>Steel Beam Guardrail Tangent End Terminal (NCHRP 350 TL-3)</td>
</tr>
<tr>
<td>LS-626</td>
<td>10-19-21</td>
<td>Steel Beam Guardrail Flared End Terminal (NCHRP 350 TL-3)</td>
</tr>
<tr>
<td>LS-630</td>
<td>10-19-21</td>
<td>Steel Beam Guardrail Installation At Concrete Barrier Or Bridge Rail End Section (NCHRP 350 TL-3)</td>
</tr>
<tr>
<td>LS-631</td>
<td>04-20-21</td>
<td>Steel Beam Guardrail Installation At Side Object (Two-Way Protection)</td>
</tr>
<tr>
<td>LS-632</td>
<td>04-20-21</td>
<td>Steel Beam Guardrail Installation At Side Object (One-Way Protection)</td>
</tr>
<tr>
<td>LS-633</td>
<td>04-19-16</td>
<td>Steel Beam Guardrail Installation At Railroad Signal</td>
</tr>
<tr>
<td>LS-635</td>
<td>10-18-22</td>
<td>Steel Beam Guardrail Installation At Concrete Barrier Or Bridge Rail End Section (MASH TL-2)</td>
</tr>
</tbody>
</table>
LAPPING PROCEDURE

With Engineer's approval, the Contractor may install the end terminal of BA-205.

Use materials meeting the respective manufacturer's specifications. Install end terminals according to the manufacturer's recommendations.

Drive posts using a hammer driver. Ensure posts are not damaged during installation. Posts may be placed in prebored holes if site conditions are such that posts cannot be driven. Place backfill material consisting of material removed or other suitable soil around posts. Place the backfill material in lifts not exceeding 4 inches. Thoroughly compact each lift before the next lift is placed.

1. Cover entire face of impact head or extruder with alternating black and yellow striped adhesive sheeting meeting the following requirements:
   - Stripes are approximately 3 inches wide and slope down at a 45 degree angle toward the side on which traffic is to pass the end terminal.
   - Yellow stripes meet the retroreflectivity requirements for Type III or Type IV reflective sheeting.

2. Refer to BA-200.

Possible Contract Item:
Steel Beam Guardrail Tangent End Terminal, LS-625

Possible Tabulations:
108-8A
108-8B
108-8C
108-8D

Refer to Materials I.M. 455.02 for a list of approved sources.

The Contractor will place the lapping procedure at the beginning of the installation, compact each lift before the next lift is placed.
NEAREST TRAFFIC

LAPPING PROCEDURE

1. Drive posts using a hammer driver. Ensure posts are not damaged during installation. Posts may be placed in prebored holes if site conditions are such that posts cannot be driven. Place backfill material consisting of material removed or other suitable soil around posts. Place the backfill material in lifts not exceeding 4 inches. Thoroughly compact each lift before the next lift is placed.

2. Place the impact head or buffered end section with alternating black and yellow striped adhesive sheeting meeting the following requirements:
   - Stripes are approximately 3 inches wide and slope down at a 45 degree angle toward the side on which traffic is to pass the end terminal.
   - Yellow stripes meet the retroreflectivity requirements for Type III or Type IV reflective sheeting.

3. Refer to BA-200.

Possible Contract Item:
Steel Beam Guardrail Flared End Terminal, LS-626

Possible Tabulations:
108-6A
108-6B
108-6C

Refer to Materials I.M. 455.02 for a list of approved sources.

Use materials meeting the respective manufacturer's specifications. Install end terminals according to the manufacturer's recommendations.
LAPPING PROCEDURE

Install delineators and object markers according to SI-211.

For grading requirements, see EW-301.

For general guardrail details, see BA-200.

1. See BA-201.
2. See BA-202 for connections to concrete barriers and bridge rail end sections.
4. See LS-626.

Possible Contract Items:
- Steel Beam Guardrail
- Steel Beam Guardrail Barrier Transition Section, BA-201
- Steel Beam Guardrail End Anchor, Bolted
- Steel Beam Guardrail Flared End Terminal, LS-626
- Steel Beam Guardrail Tangent End Terminal, LS-625

Possible Tabulation:
108-8A
Install delineators and object markers according to SI-211.

For grading requirements, see EW-301.

For general guardrail details, see BA-200.

1. See LS-625.
2. See LS-626.

Possible Contract Items:
- Steel Beam Guardrail
- Steel Beam Guardrail Flared End Terminal, LS-626
- Steel Beam Guardrail Tangent End Terminal, LS-625

Possible Tabulation:

<table>
<thead>
<tr>
<th>Description</th>
<th>Item Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Beam Guardrail</td>
<td>108-8B</td>
</tr>
<tr>
<td>Steel Beam Guardrail Flared End Terminal</td>
<td>LS-626</td>
</tr>
<tr>
<td>Steel Beam Guardrail Tangent End Terminal</td>
<td>LS-625</td>
</tr>
</tbody>
</table>
Install delineators and object markers according to SI-211.
For grading requirements, see EW-301.
For general guardrail details, see BA-200.

1. See BA-203.
2. See LS-625.
3. See LS-626.

Possible Contract Items:
- Steel Beam Guardrail
- Steel Beam Guardrail End Anchor, W-Beam
- Steel Beam Guardrail Flared End Terminal, LS-626
- Steel Beam Guardrail Tangent End Terminal, LS-625

Possible Tabulation:
108-8C
For grading requirements, refer to EW-301.
For additional guardrail requirements, refer to BA-200.

1. Refer to LS-625.
2. Refer to BA-204.

Possible Contract Items:
Steel Beam Guardrail End Anchor, Thrie-Beam
Steel Beam Guardrail Tangent End Terminal, LS-625

Incidental to Steel Beam Guardrail End Anchor, Thrie-Beam:
Delineator, Rigid - Type I
Object Marker, Type 2
Object Marker, Type 3

Possible Tabulation:
108-8D
Install delineators and object markers according to SI-211.

For grading requirements, see EW-301.

For general guardrail details, see BA-200.

1. See BA-221.
2. See BA-202 for connections to concrete barriers and bridge rail end sections.
3. See BA-225.

Possible Contract Items:
- Steel Beam Guardrail
- Steel Beam Guardrail Barrier Transition Section, BA-221
- Steel Beam Guardrail End Anchor, Bolted
- Steel Beam Guardrail Tangent End Terminal, BA-225

Possible Tabulation:
108-6A

Possible Tabulation:
Steel Beam Guardrail Tangent End Terminal, BA-225
Steel Beam Guardrail Barrier Transition Section, BA-221
Steel Beam Guardrail End Anchor, Bolted
Steel Beam Guardrail Tangent End Terminal, BA-225

Possible Tabulation: