Guardrail: Limits of Payment
(NOT TO SCALE; refer to index for details)

536-1-AA Guardrail, LF: End to end, including end anchorage and transition length. May be single or double sided.

NOTE: When double sided, payment length is along the centerline of the posts. DO NOT double the payment length for each side of guardrail panel.

Do not subtract length of anchorage assembly or transition panels. Do not tabulate transition thrie beam separately.

536-6 Pipe Rail: Single sided; used to protect pedestrian. See index for locations of pipe rail.

536-5-A Rub Rail: As with guardrail, rub rail may be single or double sided. See index for locations of rub rail.

536-85-AA Approach End Anchorage Assembly, EA: Length varies; do not subtract length from roadway guardrail length. See standard for details.

536-8-A Bridge Anchorage Assembly, EA: Includes transition and thrie beam panels. Length varies; do not subtract length from roadway guardrail length. See standard for details.

as of March 16, 2012
Guardrail: Sample Calculations
(Values used for sample purposes only)

Sample 1: For the sample shown, length from approach to bridge (A to B) is 200’. For the approach, a flared end anchorage assembly is 25’ long. The Bridge Anchorage Assembly is 44’ long, and includes a 6’ transition, 12’ of nested thrie beam, and additional thrie beam to reach the terminal connector. Rub Rail is needed for a 140’ length. Pipe rail is needed for 70’.

Pay Items:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>536-1-1</td>
<td>Guardrail, Roadway</td>
<td>200</td>
<td>LF</td>
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<td>536-5-1</td>
<td>Guardrail- Rub Rail, Single sided</td>
<td>140</td>
<td>LF</td>
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<tr>
<td>536-6-</td>
<td>Guardrail- Pipe Rail</td>
<td>70</td>
<td>LF</td>
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<td>536-8-</td>
<td>Guardrail Bridge Anchorage Assembly</td>
<td>1</td>
<td>EA</td>
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<tr>
<td>536-85-22</td>
<td>Guardrail End Anchorage Assembly, Flared</td>
<td>1</td>
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</tr>
</tbody>
</table>

Notes:

- Roadway Guardrail is paid end-to-end, with no deductions for end/bridge anchorage assemblies.
- Transition, nested, and Thrie beam panels included with the bridge anchorage are NOT tabulated separately. The panel lengths are insignificant, as this is a per each assembly.
- Rub rail is tabulated separately for single and double sided. Double sided rub rail is normally used for median locations.
- Pipe rail is used to protect the pedestrian; it is attached to the guardrail post. Refer to Section 515 pay items if a pipe handrail (guiderail) is needed away from the guardrail post.

as of March 16, 2012