# Bill of Material

## Concrete Barrier Rail Only

<table>
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<th>NO.</th>
<th>SIZE</th>
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<th>LENGTH</th>
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<tr>
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<tr>
<td>S3</td>
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<td>S4</td>
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<tr>
<td>S5</td>
<td>#5</td>
<td>STR</td>
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</tbody>
</table>

**Notes**

- All bar dimensions are out to out.
- ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.
- **B**ars are placed with galvanized nails.
- Reinforcing steel in barrier rails shall be epoxy coated.

**Barrier Rail Details**

- **Elevation at Expansion Joints**
  - Chamfer
  - Chamfer
  - Chamfer
  - Chamfer

- **Section Thru Rail**
  - Beam 1
  - Beam 2

- **Section S-S**
  - When slip form is used, open joint is used.

- **Elevation at Expansion Joints**
  - Chamfer
  - Chamfer
  - Chamfer
  - Chamfer

- **Barrier Rail Details**
  - 3/4" Chamfer
  - 3/4" Chamfer

- **Bar Types**
  - CLASS AA CONCRETE
  - CONCRETE BARRIER RAIL

**Reinforcing Steel**

- Epoxy coated

**Project No.**

- County

**Standard**

- Concrete Barrier Rail

**Department of Transportation**

- **Concrete Barrier Rail**

**State of North Carolina**

- Raleigh

**Plan Details**

- END OF RAIL DETAILS

- FOR ADHESIVE ANCHORING AT SAWED JOINTS

**Drawn By:**

- ARB 5/87

**Checked By:**

- SJD 9/87

**Assembled By:**

- MAA/GM

**Dates:**

- REV. 10/1/11
- REV. 7/12
- REV. 6/13

**Signatures Completed:**

- END OF DOCUMENT NOT CONSIDERED

**Sheet No.**

- 1

**State of North Carolina**

- Raleigh

**End of Rail Details**

- BEAM BOLSTER

**Section Thru Rail**

- LEVEL

**Barrier Rail Details**

- Chamfer

**Elevation at Expansion Joints**

- Chamfer

**Barrier Rail Details**

- Chamfer

**Bar Types**

- CLASS AA CONCRETE
- CONCRETE BARRIER RAIL

**Reinforcing Steel**

- Epoxy coated

**Project No.**

- County

**Standard**

- Concrete Barrier Rail

**Department of Transportation**

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