**Ballast Sections for Single Tangent Track**

- 14'-0" Min.
- 14'-0" Min.
- 12" Min.
- 12" Min.
- 6'-0" Max.
- 10'-0"

**Select Material as Required**

**Ballast Section for Two Tangent Tracks**

- 14'-0" Min.
- 20'-0" Track Centers
- 13'-0" Track Centers Min.
- 14'-0" Min.
- 12" Min.
- 12" Min.
- 6'-0" Max.
- 10'-0"

**Select Material as Required**

**Ballast Sections for Single Curved Track**

- 14'-0" Min.
- 20'-0" Track Centers
- 13'-0" Track Centers Min.
- L
- 12" Min.
- 12" Min.
- 6'-0" Max.
- 6'-0"

**Select Material as Required**

**Ballast Section for Two Curved Tracks**

- 14'-0" Min.
- 12" Min.
- 12" Min.
- 12" Min.
- 6'-0" Max.
- 10'-0"

**Select Material as Required**

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**Ballast Required for 1000 Feet of Single Track (Cubic Yards)**

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<th>12&quot; L Min.</th>
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*Subballast section underneath ties shall slope down from one end of the tie to prevent center-binding during ballast unloading operations.*

**Notes:**

1. Actual subballast depth to be determined by chief engineer of design.
2. Subgrade extension to 16'-6" when superelevation is 5' or greater.
3. Top of ballast to be flat across at 1" under bottom of rail.
4. For approved ballast sources, access ballast order database in Lotus Notes on server "UPRRDB2" under file name "UPRDB2\BALLAST.NSF". All listed sources are acceptable for concrete ties except for "AT-STRINGTOWN, OK".
5. Where off-track roadway is to be provided, add 10'-0" additional width to the roadbed section at top of selected material elevation.

For roadbed details, see std dwg 0001 for concrete tie details, see std dwg 0201