

RAILROAD CROSSINGS

OVERHEAD CROSSINGS

AERIAL CABLE

<u>CONTENTS</u>	<u>PAGE</u>
1. STRAND	1
2. GRADE CLAMPS	1
3. CABLE RINGS.	1
4. LASHED CABLE	2

1. STRAND

- 1.01 Suspension strand used for supporting cable shall be selected and placed in accordance with the standard practices.

2. GRADE CLAMPS

- 2.01 Where the crossing span of aerial cable is supported in cable rings, a grade clamp should be placed adjacent to each crossing pole to prevent progressive stripping of the cable, and to prevent the stripping from entering the crossing span if it should occur in adjacent spans. Place the grade clamp in the span away from the crossing, located as indicated in the standard practices. Where the cable is lashed to the suspension strand, the lashed cable supports normally placed adjacent to the poles will serve as the equivalent of the grade clamps recommended in ring construction to prevent progressive stripping of the cable.

3. CABLE RINGS

- 3.01 Where cables at railroad crossings are supported in aerial cable rings, the spacing of the rings should not be greater than indicated in the following table.

SPACING OF CABLE RINGS

<u>Weight of Cable in Pounds per Foot</u>	<u>Spacing of Cable Rings in Inches</u>
Less Than 5	20
5 to 8.5	15

3.02 In addition to the cable rings placed in accordance with Paragraph 3.01, place a group of three rings spaced as close together as practicable, at a point three feet outside of each rail of each track crossed, except that where the distance between any two track centers is 16 feet or less, a single group of three rings may be placed midway between the tracks in place of the two groups otherwise required. The points at which the groups of rings should be placed may be determined by dropping a plumb line from the strand. The line should fall either three feet outside of each rail of each track crossed or midway between track center, as required.

4. LASHED CABLE

4.01 Where a cable is lashed to the strand, place a lashed cable support around the cable and strand at the locations specified in Paragraph 3.02 for the groups of rings. Make three turns of the band around the cable and strand and secure the end at the buckle in the usual manner. In placing the support, care should be exercised to avoid pressing the lashing wire against the sheath. Either thread the band between the sheath and lashing wire or locate the support at a point where the lashing wire crosses over the strand and is not in contact with the sheath.