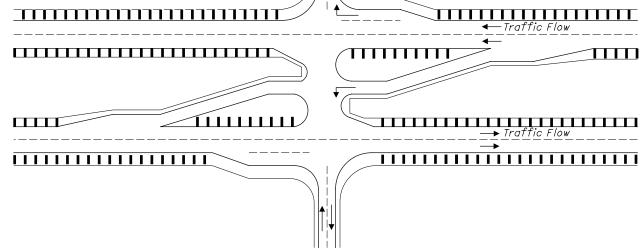


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AT-GRADE INTERSECTIONS (See PLACEMENT NOTE 2)

TYPICAL SPACING PLAN

A = 6" FOR 4' to 6' shoulders A = 10" for shoulders greater than 6' MEDIAN SHOULDER OFFSET (See NOTES) B = 6" for 4' to 6' shoulders B = 10" for 8' to 10' shoulders = 5' for 12' shoulders B = 6' for 14' shoulders

OUTSIDE SHOULDER OFFSET (See NOTES)

SECTION C-C

OFFSET DIMENSIONS

PLACEMENT NOTES

- 1. At entrance and exit terminals, the outside shoulder pattern should be extended toward the ramp juncture as far as possible, and then shifted over to the outside shoulder of the terminal area. The "nose" of an entrance or exit terminal is a logical reference point. On either terminal, extend the pattern 100' into the terminal area and then transfer to the outside shoulder.
- The AT- GRADE INTERSECTION diagram shows a typical application for divided roadways, but the patterns on the outside shoulders are also applicable to undivded roadways.
- 3. Where rumble strips are used on the shoulders of arterial roadways, the pattern should be interrupted across residential or commercial drives.
- 4. Rumble strips, when used in advance of critical locations, such as approaches to narrow bridges, in gore areas, and ahead of impact attenuators or other barrier end treatments, should be placed as shown.
- 5. For designated bicycle routes or areas of substantial bicycle traffic, use a 48' strip and 12' gap.

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Holstein

David L.

OFFICE OF ROADWAY

RIPS

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RUMBLI

SHOULDER