LOCATION OF RUMBLE STRIPS

## NOTES

GENERAL: Install rumble strips on new or existing asphalt or concrete shoulders.
The pattern is designed so that it can be milled or ground into the shoulder See PLACEMENT NOTES Lo

A rumble strip should not be closer than $4^{\prime \prime}$ to any joint, transverse or
longitudinal, in concrete shoulders. SHOULDER OFFSET: On median shoulders 12 feet or wider, where the shoulders have been dosigned or maintenance of that sic during construction the pattern may purpose for this is so that traffic can be maintained on the median shoulder
during a ophase ll 1 traffic maintenance sequence and straddle the that during a "Phase $1^{\prime \prime}$ traffic maintenance sequence and straddle the pattern.
2 t traffic can be maintained on the newly-paved outside shoulder prior to

In built-up residential areas where noise may be objectionable, "the median
shoulder dimension may be increased, but should not exceed 24". See table,
PAYMENT: Rumble Strips are to be paid under Item 618 - Rumble Strips, (Asphalt,

1
ENTRANCE TERMINALS isee placement note in


LID पा1ाण 11T11111
 ACCESS POINTS ON ARTERIALS


RUMBLE STRIPS LOCATIONS IN ADVANCE OF CRITICAL LOCATIONS (See placement note 4)


TYPICAL SPACING PLAN


SECTION C-C


For dimensions $A$ and $B$, see table below.
median application
outside application SECTION D-D

$$
\begin{aligned}
& \text { OUTSIDE SHOULDER OFFSET (See NOTES) } \\
& A=6^{\prime \prime} \text { FOR } 4^{\prime} \text { to } 6^{\prime} \text { shoulders } \\
& A=10^{\prime \prime} \text { for shoulders greater than } 6^{\prime} \\
& \text { MEDIAN SHOULDER OFFSET (See NOTES) }
\end{aligned}
$$

$$
=6^{\prime \prime} \text { for } 4^{\prime} \text { to } 6^{\prime} \text { shoulders }
$$

$$
\beta=10^{\prime \prime} \text { for } 8^{\prime} \text { to } 10^{\prime} \text { shoulders }
$$

$$
B=5^{\prime} \text { for } 12^{\prime} \text { shoulders }
$$

$B=6^{\prime}$ for $14^{\prime}$ shoulders

OFFSET DIMENSIONS
 At entrance and exit terminals, the oulside shoulder pattern should be extended toward the ramp juncture as far as possible,
and then hhited over. to the outside shoulder of the terminal area. The "noses of on entrance or exit terminal is a logical reference
point. On either ter
 3. Where rumble strips are used on the shoulders of arterial roadways, the pattern should be interrupted across residential or 4. Rumble strips, when used in advance of critical locations, such as approaches to narrow bridges, in gore areas, and ahead of
impact attenuafors or other barrier end treatments, should be placed as shown. 5. For designated bicycle routes or areas of substantial bicycle traffic, use a $48^{\prime}$ strip and $12^{\prime}$ gap.

