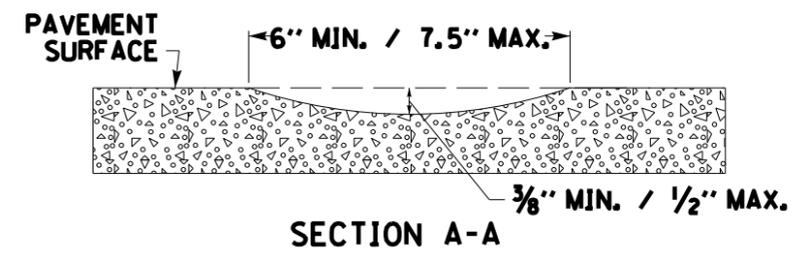
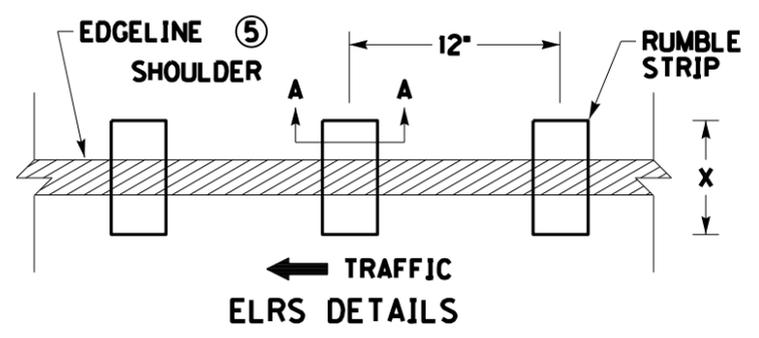




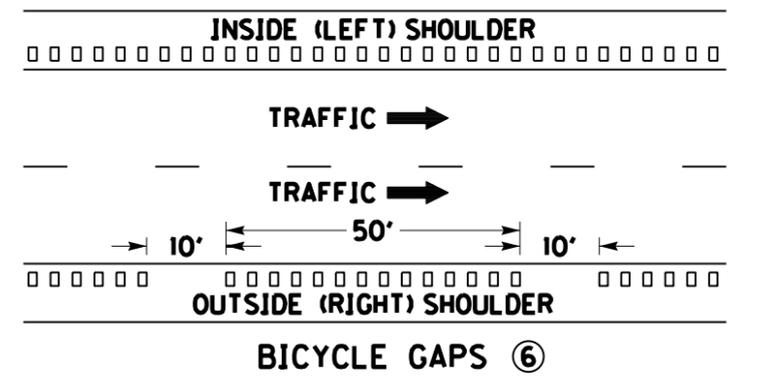
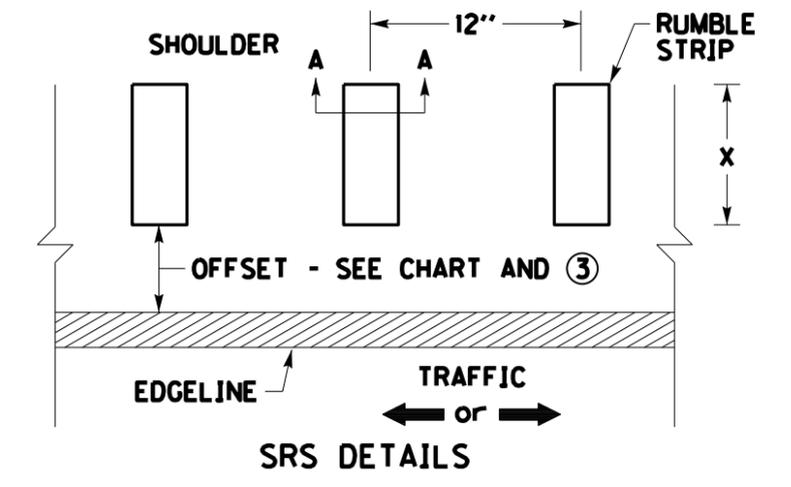
PAVEMENT CROSS-SECTION
(WHEN ELRS ARE SPECIFIED)



PAVEMENT CROSS-SECTION
(WHEN SRS ARE SPECIFIED)



| SHOULDER WIDTH (Z) ② | RUMBLE TYPE ① | RUMBLE LENGTH (X) ③ | OFFSET ③ |
|----------------------|---------------|---------------------|--------------------|
| >=1' | ELRS | 8" | N/A |
| 2' | ELRS or SRS | 8" | ELRS-N/A SRS-6" |
| 3' | ELRS or SRS | 8" | ELRS-N/A SRS-6" |
| 4' | ELRS or SRS | 8" | ELRS-N/A SRS-6" |
| 5' | SRS ⑥ | 8" | 6" |
| 6' | SRS ⑥ | 8" | 6" |
| 7' | SRS ⑥ | 12" | 12" |
| >=8' | SRS ⑥ | 16" | 12" |



~ NOTES ~

- ① FOR MULTI-LANE ROADWAYS, THE RUMBLE TYPE TO BE INSTALLED IS BASED ON SHOULDER WIDTH (Z). FOR SHOULDER WIDTHS OF 2', 3', AND 4' THE RUMBLE TYPE MAY BE SPECIFIED AS EITHER EDGELINE RUMBLE STRIPS (ELRS) OR SHOULDER RUMBLE STRIPS (SRS). IN THESE SITUATIONS, THE RUMBLE TYPE TO BE INSTALLED WILL BE SPECIFIED IN THE PLANS, PROPOSAL, AND/OR BID ITEMS, OR AS DIRECTED BY THE ENGINEER.
- ② WHEN ELRS ARE SPECIFIED, SHOULDER WIDTH (Z) IS FROM LANE SIDE EDGE OF RUMBLE STRIP TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT. WHEN SRS ARE SPECIFIED, SHOULDER WIDTH (Z) IS FROM CENTER OF EDGELINE STRIPE TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT.
- ③ RUMBLE LENGTH (X) AND/OR OFFSET DISTANCE MAY BE MODIFIED AS THE ENGINEER DIRECTS, IF THE SHOULDER WIDTH (Z) IS EQUAL TO OR LESS THAN THE COMBINED WIDTH OF THE PROPOSED RUMBLE LENGTH (X) AND OFFSET DISTANCE.
4. DISTANCES SHOWN ARE APPROXIMATE. MAINTAIN RUMBLE STRIP DIMENSIONS AND SPACING AS MUCH AS POSSIBLE.
- ⑤ WHEN ELRS ARE SPECIFIED, THE EDGELINE MARKING SHALL BE PLACED IN THE CENTER OF THE RUMBLE STRIP.
- ⑥ SHOULDER RUMBLE STRIPS (SRS) ALONG OUTSIDE (RIGHT) SHOULDERS THAT ARE 5' OR WIDER SHOULD INCLUDE BICYCLE GAPS AS DETAILED. BICYCLE GAPS ARE NOT REQUIRED ON INSIDE (LEFT) SHOULDERS. BICYCLE GAPS SHALL NOT BE USED ON INTERSTATES AND PARKWAYS.
7. RUMBLE STRIPS SHOULD BE OMITTED WHERE THE POSTED SPEED LIMIT IS 45 MPH OR LESS, OR WHEN THE SHOULDER WIDTH IS LESS THAN 1 FT.

DRAWING NOT TO SCALE

BID ITEMS AND UNIT TO BID
 SHOULDER RUMBLE STRIPS LF
 EDGELINE RUMBLE STRIPS LF

USE WITH SEPIA 005

KENTUCKY
DEPARTMENT OF HIGHWAYS

**RUMBLE STRIP DETAILS
MULTI-LANE ROADWAYS
AND RAMPS**

SUBMITTED *R. Allen Wolf* DATE 11-23-16

008

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