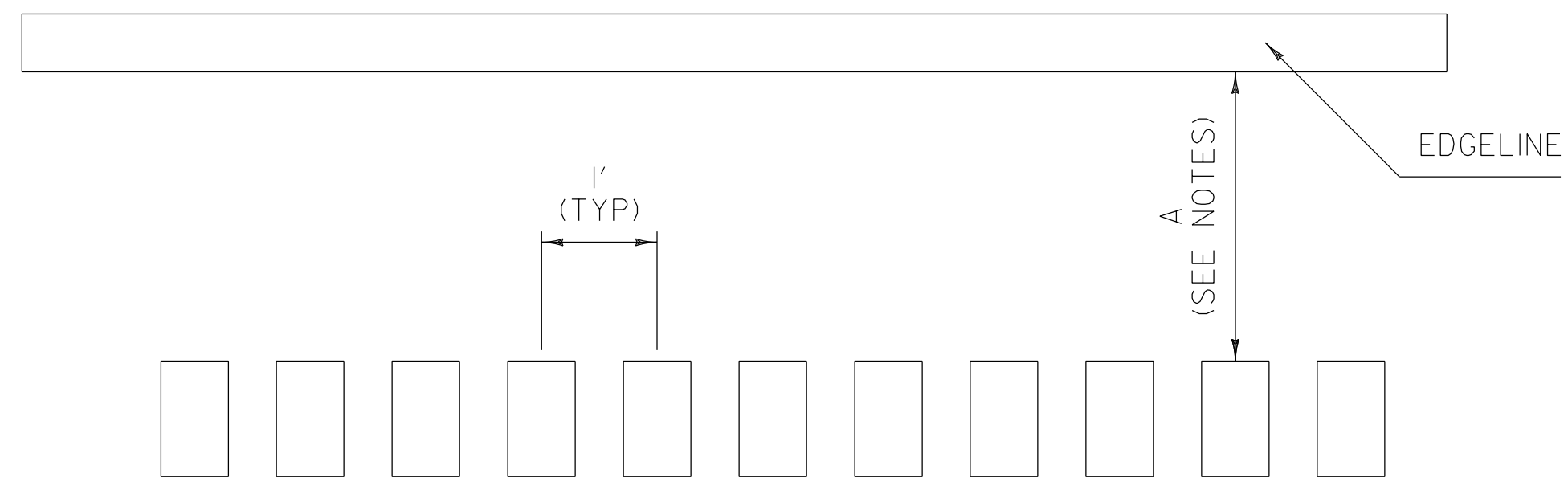


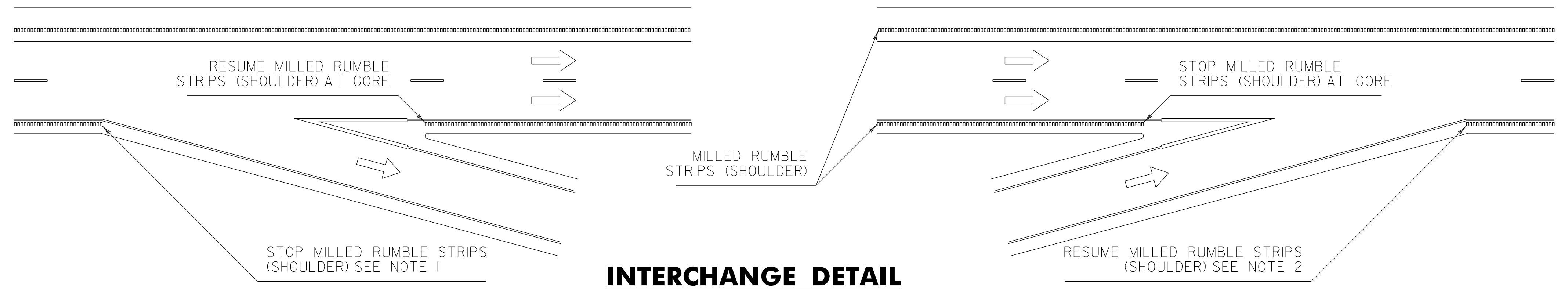
RUMBLE STRIP DETAIL



RUMBLE STRIP LAYOUT DETAIL

NOTES:

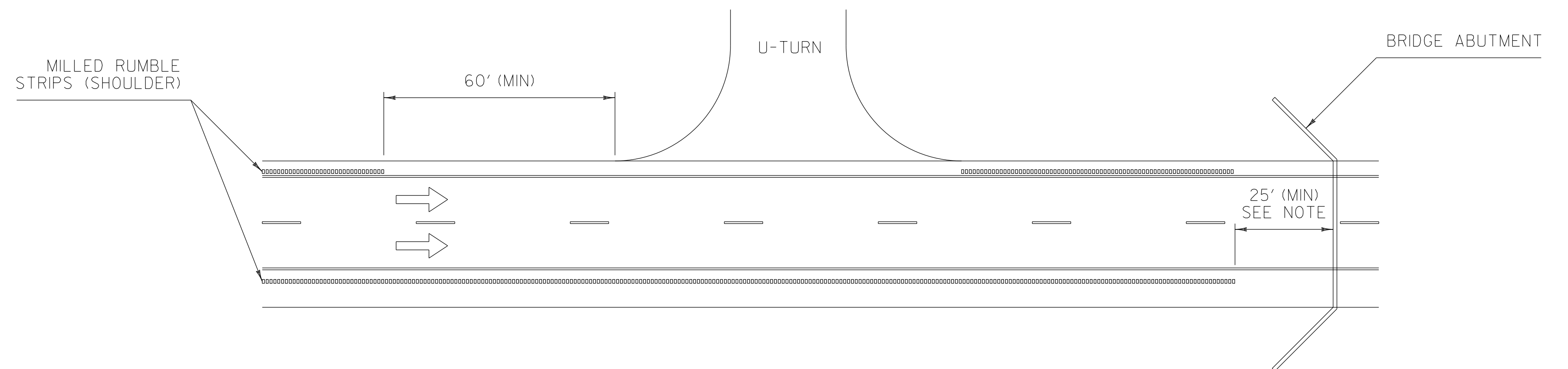
1. DIMENSION "A" SHALL BE 30 INCHES FOR SHOULDERS WITH A WIDTH OF SIX FEET OR GREATER.
2. DIMENSION "A" SHALL BE SIX INCHES FOR SHOULDERS WITH A WIDTH OF LESS THAN SIX FEET, WITHOUT GUARDRAIL.
3. MILLED RUMBLE STRIPS (SHOULDER) SHALL BE INSTALLED WITH A LATERAL TOLERANCE OF +/- TWO INCHES.
4. MILLED RUMBLE STRIPS (SHOULDER) SHALL BE STOPPED WHEN THE FACE OF GUARDRAIL IS PRESENT WITHIN FOUR FEET OF THE EDGE OF TRAVELLED WAY.



INTERCHANGE DETAIL

NOTES:

1. DETAIL IS SHOWN FOR A TAPERED DECELERATION LANE, FOR PARALLEL DECELERATION LANES MILLED RUMBLE STRIPS (SHOULDER) SHALL STOP AT THE BEGINNING OF THE DECELERATION LANE TAPER.
2. DETAIL IS SHOWN FOR A TAPERED ACCELERATION LANE, FOR PARALLEL ACCELERATION LANES MILLED RUMBLE STRIPS (SHOULDER) SHALL STOP AT THE END OF THE ACCELERATION LANE TAPER.



NOTE:

1. MILLED RUMBLE STRIPS (SHOULDER) SHALL STOP A MINIMUM OF 25 FEET PRIOR TO BRIDGE ABUTMENT AND RESUME A MINIMUM OF 25 FEET AFTER THE TRAILING ABUTMENT. THIS DISTANCE MAY BE INCREASED TO MEET THE REQUIREMENTS OF THE RUMBLE STRIP LAYOUT DETAIL NOTE 4 ON THIS SHEET. MILLED RUMBLE STRIPS (SHOULDER) SHALL ALSO STOP PRIOR TO AND RESUME AFTER ALL APPROACH SLABS.

MISCELLANEOUS DETAILS

REV.	DATE	DESCRIPTION
0	NOV. 3, 2015	ORIGINAL APPROVAL
1	FEB. 4, 2016	ADDED LATERAL TOLERANCE NOTE
2	FEB. 27, 2017	UPDATED LATERAL TOLERANCE NOTE
OTHER DETAILS REQUIRED: NONE		
DETAILS APPROVED FOR USE BY HIGHWAY SAFETY & DESIGN		

MILLED RUMBLE STRIPS (SHOULDER)



HIGHWAY SAFETY
& DESIGN DETAIL
HSD-213.01