



Mark A. Hackel  
County Executive

## DEPARTMENT OF ROADS

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[www.MacombCountyMi.gov/roads](http://www.MacombCountyMi.gov/roads)

Bryan E. Santo, P.E.  
Director of Roads

August 06, 2018

Richmond Township – Manager  
34900 School Section Road  
Richmond, MI 48062

Dear Chris,

The Macomb County Department of Roads has been awarded 2019 Highway Safety Improvement Program funds for the construction of 50 miles of centerline sinusoidal rumble strips (commonly referred to as mumble strips). This treatment involves grinding patterned corrugations into the centerline of the roadway and repainting the pavement markings. This is a proven safety countermeasure that enhances safety along high speed two lane rural roads and is funded by federal and county funds.

Mumble strips are a tested, accepted alternative to the more common rumble strips. Like rumble strips, mumble strips can provide a 40-60% crash reduction to center line crossing and run off the road crashes. However, because of the sinusoidal corrugation design, mumble strips minimally increase ambient noise compared to rumble strips. Noise measurement studies have concluded that mumble strips generate approximately 60 % less excess noise than that of traditional rumble strips. Mumble strips provide a significant safety benefit while also being context sensitive to community noise concerns.

Furthermore, this project will include applying improved pavement marking materials that are both more durable and provide for enhanced night time and inclement weather visibility. The combination of these treatments are expected to effectively address distracted and drowsy driving.

A portion of this project limits will be within your community. The limits of the project will be along the centerlines of the limits listed below. At intersections, railroad crossings, commercial driveways and bridges the treatment will be gapped per MDOT standard details.

Segment Name	From	To	Approximate Length (MI.)
Capac	Armada Center	Pratt	2.5
Capac	Pratt	County Line	0.6
Romeo Plank	S Apple Ln	Gilmore Rd	6
Armada Ridge	Omo	Lowe Plank	5.8
32 Mile Rd	Powell	Lowe Plank	11
26 Mile Rd	Winding Creek	New Haven	8
29 Mile Rd	Braun Dr	North Ave	5.9
North Ave	23 Mile	30 Mile	7.5
New Haven	Rosell	29 Mile	4

The project is currently in the design phase with anticipated construction in spring of 2019. We sought to familiarize you with one of our new and innovative efforts that will help save lives, and look forward to working with you.

Regards,  
 John Abraham, PhD, PE, PTOE  
 Director of Traffic & Operations  
 Macomb County Department of Roads