

What has your agency done to reduce roadway departures? (Responses from 4-16-20 FHWA Webinar - FoRRRwD on All Public Roads: Funding and Data to Identify Projects)

- Reconstructed curves to meet 60 mph min. speed
- Variety of Safety Projects. Targeted, systemic and systematic
- Shoulder rumble strips
- Rumble strips, signs, safety edge, etc.
- install curb and add signage and additional striping
- rumble strips
- Promoted systemic approaches to Safety
- Rumble grind, horizontal alignment signs with advisory speeds
- SHSP has a task force for Lane departure. There is a monitoring report and also training offered for local HSIP as well as funding for countermeasures
- Train local agencies on countermeasures to address roadway departures. Assist local agencies to develop Local Road Safety Plans (which may include addressing roadway departures). Provide local agencies crash data.
- NYSDOT is currently working on a Roadway Departure Action Plan.
- Road Safety Audits and implementing Systemic Risk Analysis for Rural Roadway Departure.
- We provide software solutions to help DOT's and Cities devise their strategic safety plans.
- We utilize shoulder rumble strips routinely on freeways and Interstate roadways and also on land service highways meeting certain conditions. We also utilize centerline rumble strips on land service highways.
- Enforcement
- I work for the Legislature - legislators try to ensure local agencies can use best practices by providing money or reducing state law that gets in the way.
- Prioritized this under EDC by providing resources.
- Profile features: rumble strips, profiled edge lines.
- Rumble strips, wider edgelines
- training
- Modern roundabouts, road diets, complete streets
- friction treatments
- rumble strips
- FDOT has focused efforts to improve safety including a Lane Departure Emphasis Area within the Strategic Highway Safety Plan and an implementation team.
- Developed a local road safety action plan that emphasizes this topic and we offer technical assistance to identify problem areas.
- We are currently starting a Safety Circuit Rider program for the Local Agencies. This years focus includes FoRRRwD
- add guide rail
- edge lines, curve signs
- rumble strips, curve signs, striping
- Signs, rumble strips, safety edge
- Rumble strips with two ft. shoulders, proper horizontal curve signing, deliniation
- pavement markings before curves, signs, HFST, signs
- rumble strips, striping, signs
- Variety of countermeasures to suit the crash types

- Installed guide rail; superelevated curves; installed surface friction courses
- Guardrail
- Implement Safety Projects as identified in Regional Safety Plan. Presentations to State DOT to discuss Roadway Departures hot spots in Region.
- Installed guardrails, raised traffic striping, rumble strips
- technical assistance for local agencies
- Our City's streets are laid out in an almost perfect grid system with perpendicular intersections and almost zero curves (horizontally or vertically). Roadway departures are not a huge safety issue.
- rumble strips
- We are in the process of developing a Roadway Departure Action Plan
- HFST, edgeline rumbles, signing, lighting
- rumble strips, leading edge LED curve warning signs
- Rumble strips, signs, safety edge, curve warning signs, high friction resurfacing treatment, chevron, guardrail, advisory speed limit, rumble strips, sign, striping Reconstructed curves to meet 60 mph min. speed Variety of safety projects - safety edge, rumble strips, curves, signing, etc. Variety of Safety Projects. Targeted, systemic and systematic Modern roundabouts, road diets, complete streets McCall.pptx
- Rumble strips and wider shoulders.
- add guiderail, striping, lighting
- High Friction, horizontal signing, increased width of striping, safety edge, shouldering and minor widening. super elevation improvements
- High Friction Surface Treatment, Rumble Strips, Safety Edge, Signing/Striping Improvements
- Implemented LRSPs for counties
- Pursuing wider shoulders
- Working with ITD and LHTAC to improve our roads.
- Technical training sessions on roadside safety design for state DOTs and localities
- rumble strips, signage, HFST, guardrails, widen shoulder/lane
- Rumble strips and stripes
- Nonfreeway rumble strips, local road safety plans
- Working on systematic rumble stripe and wet-recessed pavement marking projects
- developed curve warning system
- Developed a curve warning system
- installed guide rail; superelevated roadway curves; installed high friction surface treatment
- safety edge and rumble strips
- wider striping, cable rail
- Variety of safety projects - safety edge
- Rumble strips
- Safety action plans
- Variety of safety countermeasures
- Looking to update Transportation Safety Plan to include roadway departures
- wider edge lines, rumble/mumble strips, signing, RSAs, encouraging systemic countermeasures...
- rumble strips, sign, striping
- Rumble strips, barriers
- rumble strips, curve warning signs

- Tapered asphalt edges
- Addressed in the Strategic Highway Safety Plan, rumble strips, paved shoulders
- traffic calming
- rumble strips, guardrail, signage, botts dots, high visibility paint
- We act as a liaison between local and state level governments, in order to fill the gap between theory and practice.
- Statewide shoulder widening and should rumble strip installation projects
- Better management of roadside obstacles
- Arizona - Statewide rumble strip/stripe install, curve warning, shoulder widening
- Low cost countermeasures, some systemic analysis on State roads
- Implemented a RSA program that focused on Roadway Departures
- Variety of safety projects - safety edge, rumble strips, curves, signing, etc.
- rumble strips, signs
- reconstructed roads, signage
- straightened roadway
- signage, rumble strips, paint, guardrail
- rumble strips
- rumble strips, curve signs, etc.
- warning signs, edge line stripes
- Greater enforcement; better signage
- Sign curves , six inch striping
- Shoulder, Edgeline and Centerline Rumble Strips, Widening the Shoulder, Safety Edge, striping
- provide Low Cost Enhancements Rumble Strips shldr/cl; guideposts, pavement marking refresh cycles, review crash data, guardrail, clear zone management in our rural hwy system is more difficult to provide for contracts. Low ADT/risks et al vs higher ADT/AADT's.
- Guardrail, Warning signs, safety edge, rumble striping
- low cost safety measures like signs and data analysis
- promote Proven Safety Countermeasures
- rumble strips, cable barrier, sign improvements, wider stripes
- Variety of countermeasures to suit the crash types
- Planning only
- Systemic deployment of Rumble Strips - CL and EL; reviewing horizontal curve data for the entire state with proposed mitigation strategies of HFST and speed advisories; guiderails; mitigation measures to reduce severity
- Prepared lists of locations where roadway departures are overrepresented for distribution to our districts and LPA's with recommended countermeasures such as widening shoulders and using edge line and center line rumble strips/stripes. etc.
- 6" striping
- RSAs
- Guard rails, delineators, signs, education
- Implemented various projects
- Funded local safety and high risk rural road program projects
- Audible roadway delineators
- Systematic rumble strip installation.
- Training
- Wet Reflective pavement markings

- wet reflective PM's
- Center Line Rumble Strips, Safety Edge, Signing curves on local roads
- Teach our students the latest evidence-based practices