

Resources Available To Help You Apply For HSIP

- USDOT Federal Highway Administration trainings
- Your state DOT
- Consulting engineers



Scan for USDOT Resources

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VRAM & Sustainability Summary

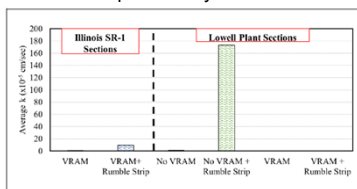
- Economic Pillar – life extension = life cycle cost savings
- Environmental Pillar – Quantified reduction in energy during construction and in maintenance compared to alternatives
- Social Pillar – reduced exposure at centerline = reduced social impact & safer alternative.



38 | Rumble Strips and VRAM

DeCarlo et al. (2023): Impact of Rumble Strips on Longitudinal Joint Pavement Performance

- Evidence that rumbles *at least* change water dynamics at the joint
- Need to expand study



DeCarlo et. al (2023)

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