

Recessed All-Weather Pavement Markings Highway Safety and Traffic Operations Division

Problem/Challenge Addressed

Recessed All-Weather Pavement Markings enhance driver safety by providing nighttime retroreflectivity, especially during wet weather conditions.



Route 309, Luzerne County

Method/Process/Product to Resolve Challenge

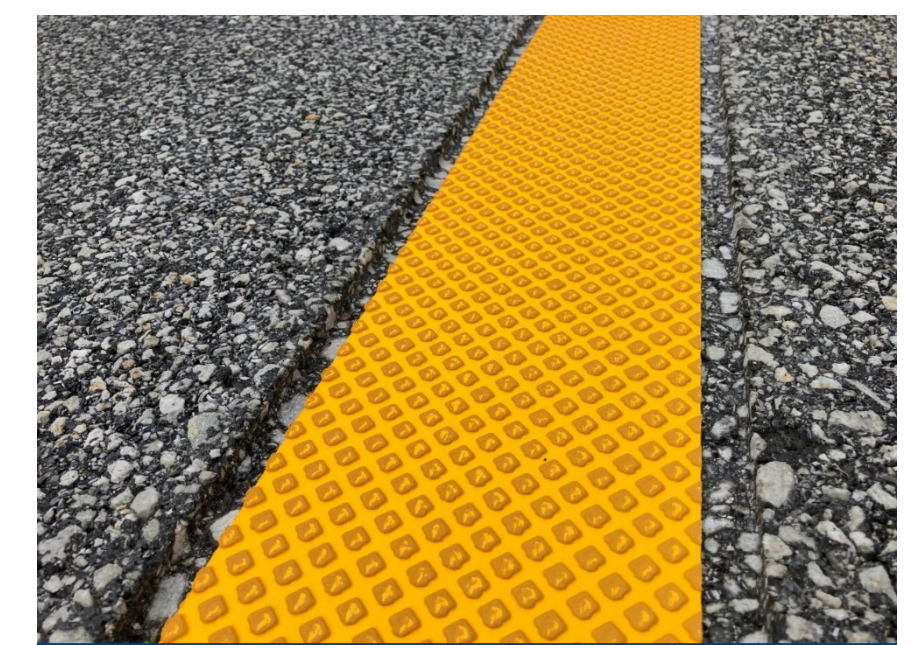
- Use as an alternative to snowplowable raised pavement markers on any roadway to reduce the likelihood of nighttime single vehicle run-off-road crashes during wet weather
- Products include preformed wet reflective striping tape, epoxy, hot thermoplastic or polyurea with triple drop beads or elements
- Recess depth 150 mils for the tape, 130 mils for hot thermoplastic and 90-110 mils for epoxy and polyurea

Results/Key Takeaways

- Improved retroreflectivity, specifically wet retroreflectivity
- Longer life span than surface applied markings, which equals less maintenance and work zones
- Eliminates the use of snowplowable raised pavement markers
- Supports autonomous vehicle infrastructure



Grooving Truck Cutting Pavement Recess



Preformed Wet Reflective Striping Tape in Recessed Groove

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