Install Wider Edgelines (4 In to 6 In)



Wider edgelines involve increasing the standard width of pavement edge markings from 4 inches to 6 inches.

Implementation Strategy

How and Where to Apply

- This treatment is typically applied on rural highways, curves, and corridors with high rates of lane departure crashes or low ambient
- It is particularly effective on roads with narrow shoulders, minimal lighting, frequent wet pavement conditions, or high nighttime travel volumes.
- Wider edgelines can be integrated during resurfacing, pavement marking refresh cycles, or as part of targeted safety projects.

Use in a Safe System Approach

Wider edgelines support the Safe System principles of visibility, reducing exposure, and crash prevention by improving lane definition and providing more forgiving guidance, especially for fatigued, distracted, or older drivers.

Key Stakeholders State DOTs, local law enforcement agencies

Proactive Implementation

Agencies can proactively implement wider edgelines through systemic safety programs, particularly in corridors identified through crash data analysis or road safety audits. They are also a cost-effective safety enhancement to incorporate into routine resurfacing projects.

Countermeasure Overview

Cost: \$ (low)

Service Life: 5 years

Objective: Keep vehicles from encroaching on the roadside

Strategy: Provide enhanced pavement markings

Run-off Road

AASHTO'S TOWARD ZERO DEATHS

> Safer Infrastructure

Reduced visibility Driver inattention

TARGET Run-off road

Targeted Solution



CRASH

TYPE

CONTRIBUTING

FACTORS



Rural two-lane highways



Rural

Safety Linkage



Safe Roads

SAFE SYSTEM



Tier 4

Selected Related Countermeasures

Edge-line rumble warnings

Night-visible lane delineation

Augmented curve alignment signage

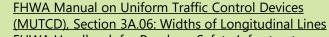
Reduce non-intersection, fatal and injury crashes on rural, two-lane roads



Reduce fatal and injury crashes on rural freeways

¹CMF ID: 4737 ²CMF ID: 4739

Resources



FHWA Handbook for Roadway Safety Infrastructure **Improvements**



