Washington State DOT

Increasing Lane Capacity within Existing ROW

Ron Morton – Everett Maintenance Supervisor
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SR 14 Bus on Shoulder Pilot
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• The goal is to improve transit travel times by allowing C-TRAN buses to by-pass traffic when the highway is backed up
  • About 1.5 miles between I-205 and 164th Ave interchanges

• Road Setting: Urban
Secondary Issues Created by Operations

- Expected maintenance needs:
  - shoulder brushing

- Any changes in Policy, processes, and performance:
  - Buses may only use shoulder when mainline speeds are less than 35 mph, and may only travel 15 mph over mainline speeds at a max of 35 mph
  - Improved travel times and reliability

- Any changes in Equipment utilization and coordination
  - Narrowed shoulders require lane closures for median work
Takeaways, Solutions and Lessons Learned

• Successes and Challenges
  • Maintenance work on an additional lane and narrowed shoulders
  • C-Tran improvements

• Unique approaches for solutions
  • Used 3M temporary tape

• Lessons learned
  • Maintenance is too busy to brush shoulders every day
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