

Washington State DOT

Increasing Lane Capacity within Existing ROW

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SR 14 Bus on Shoulder Pilot



SR 14 Bus on Shoulder Pilot

- 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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