

Bus on Shoulder Feasibility Study

I-205 and SR-14 I-5 Corridors

Regional Transportation Council



Project Goal:

- The purpose of the Study was to evaluate the feasibility of bus on shoulder on I-205 and SR-14 and potentially for a bus on shoulder pilot project for implementation.

Project Outcome

- The Study evaluated geometric and operational constraints and recommended a bus on shoulder pilot project on SR-14, future bus on shoulder on Glenn Jackson Bridge, and possible bus on shoulder segments on I-205 between Airport Way and I-84.
- The Bus on Shoulder Feasibility Study Report is available at: <https://www.rtc.wa.gov/studies/bos/>
- Pilot Project along SR-14 was implemented in October 2017.

Project Information

Federal Funding Program: STBG

RTC Awarded Funding: \$150,000

Total Project Cost: \$173,410

Project Type: Planning

Project Corridors: I-205 and SR-14

Function Classification: Principal Arterial

Daily Traffic Volume: 162,930

Project Description

The primary focus of the Bus on Shoulder Feasibility Study was to screen and evaluate geometric and operational constraints, identify opportunities (locations and time periods) for implementing bus on shoulder in the Study corridors. The Study developed planning-level estimates of its potential benefits to understand fatal flaws and overall feasibility and to identify corridor segments for near term and future implementation.

In addition, a high level scan assessment bus on shoulder was conducted of I-5 southbound from 99th Street to the Interstate Bridge to determine the adequacy of southbound I-5 for possible BOS operations.

Project Funding

Phase	Year	Federal Funds	Other Funds	Total
PE		\$ 150,000	\$ 23,410	\$ 173,410
ROW		\$	\$	\$
CN		\$	\$	\$
Total		\$ 150,000	\$ 23,410	\$ 173,410

Project Outcome Details

Bus on shoulder was recommended in the following categories:

Proposed Pilot Project

- SR-14 eastbound and westbound between 164th Ave. and I-205

Recommended

- I-205 northbound and southbound between SR-14 and Airport Way

Not Recommended at This Time – Subject to Further Review

- I-205 southbound from Airport Way exit to eastbound Airport Way entrance
- I-205 southbound from I-84 eastbound exit to westbound entrance
- I-205 southbound from I-84 westbound entrance to I-84 westbound exit

Project Benefits

Promote improved transit ridership
 Better transit reliability and transit ridership
 Low cost; rapid pilot project implementation

Before: Study Corridors



After: BOS Recommendations

