

SR 520 Traffic Management: transit, carpools and other options

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Initial SR 520 FY 2013 Q2 Toll Traffic Results

FY13- Q2 TOLL TRAFFIC	Actual ^{1,7}	Forecast ^{2,3}	% Variance
Average Weekday ^{4,8}	65,247	62,868	+3.8%
Average Weekend ^{5,8}	38,733	31,544	+22.8%
Average Daily ⁶	57,870	54,227	+6.7%

- Average weekday daily traffic exceeds forecast by +3.8%
- Average weekend daily traffic exceeds forecast by more than +22%
- Overall, average daily traffic was +6.7% above forecast
- Approximately 80% of average daily trips were prepaid (*Good To Go!*) transactions
 - Average weekday *Good To Go!* share was approximately **82%**
 - Average weekend daily *Good To Go!* share was approximately **76%**

¹ Toll traffic counts are generated by in-lane toll collection equipment. Actual counts exclude transit buses and other toll-exempt vehicles.

² CDM Smith forecast dated August 2012 after applying a monthly seasonal adjustment factors. Forecasts exclude transit buses and other toll-exempt vehicles.

³ Ramp-up adjustments are no longer included in the FY 2013 forecasts.

⁴ Average weekday traffic is subject to construction activity but there were no weekday construction closures during the tolling hours from 5 AM to 11 PM.

⁵ Calculation of average weekend daily traffic excludes planned weekend construction closures days.

⁶ Average daily traffic calculated as a blend of all weekdays and weekends days, except as noted in (4) and (5) above.

⁷ WSDOT is in the process of reviewing CSC vendor reconciliation reports, which will become the primary source of this data. Until completion of this review, reported traffic and revenue will be based on preliminary, un-reconciled database queries.

⁸ Average weekend daily traffic calculations are inclusive of holidays during which weekend toll rates are charged (e.g., Christmas Day).

2012 regional traffic changes since SR 520 tolling

- **SR 520**

- Toll traffic is 33% (33,000 vehicles) lower than pre-tolled levels.
- Travel times are five minutes shorter on average during the peaks.

- **I-90**

- Traffic has increased 11% (15,000 vehicles).
- I-90 travel times are four minutes longer on average during the peaks.

- **SR 522**

- Traffic has increased 9% (4,000 vehicles).
- Travel times have not increased during the morning peak and are about two minutes longer during the afternoon peak.

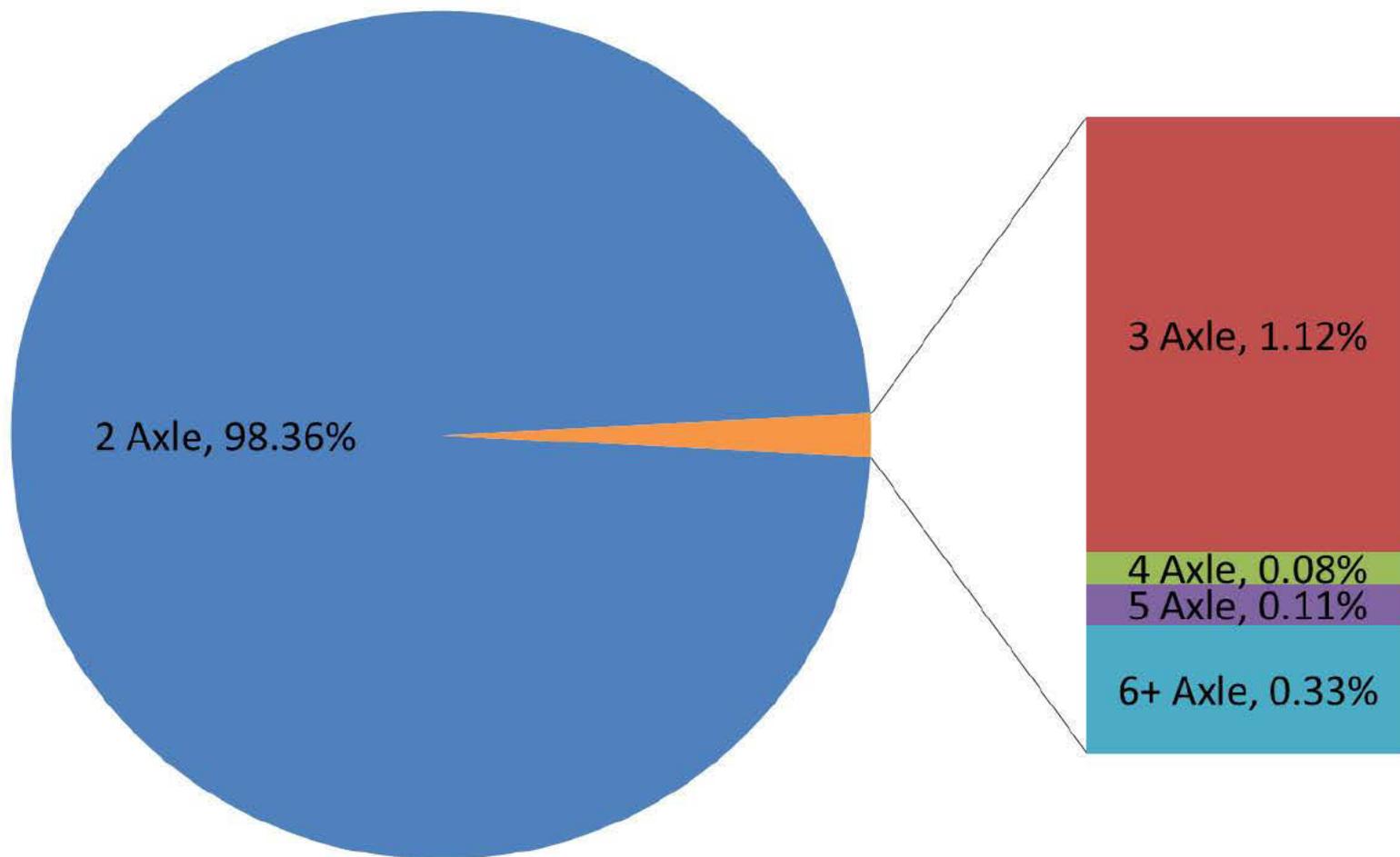
- **I-5**

- Traffic has increased approximately 2% (4,000 vehicles) in downtown Seattle.
- Travel times through downtown Seattle are approximately 2 to 4 minutes slower in both directions during the peaks.

- **I-405**

- Traffic has increased approximately 5% (10,000 vehicles) in downtown Bellevue.
- Travel times through Bellevue are approximately three minutes slower southbound and two minutes slower northbound during the PM peak.

Vehicle class split for SR 520 bridge crossings January 2012 – December 2012

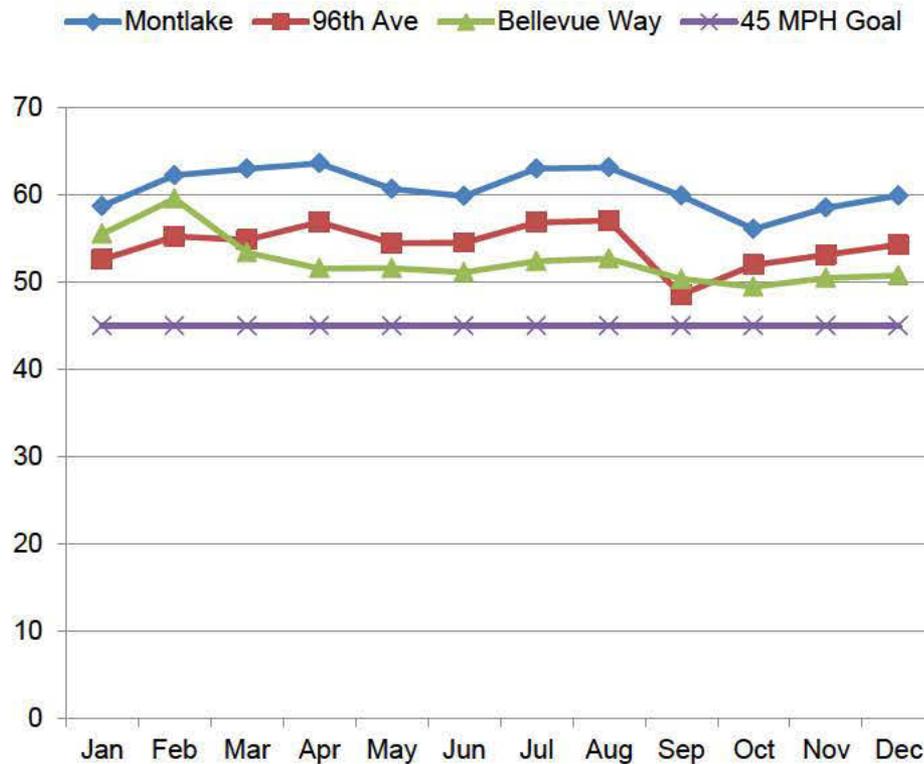


Average Weekday Speeds

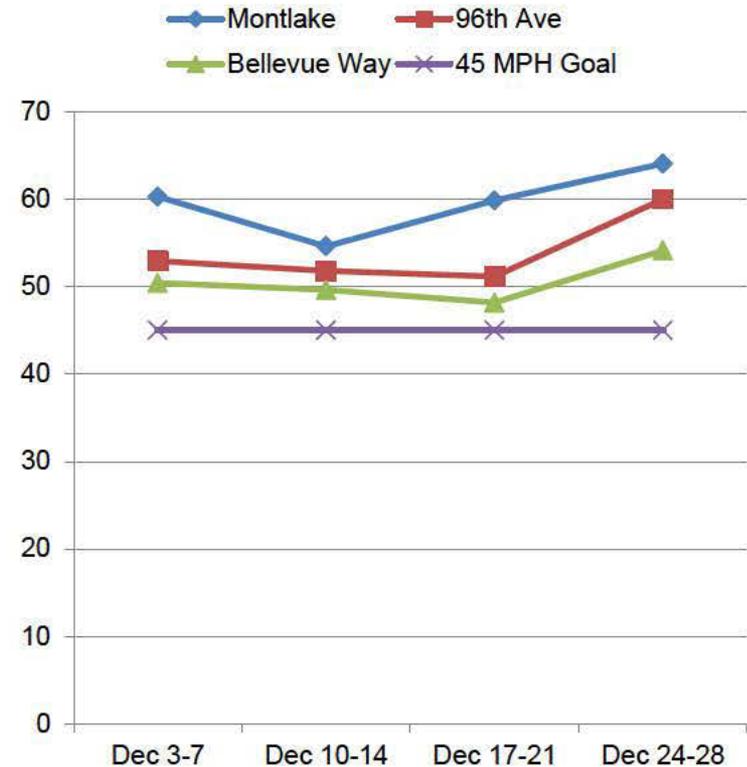
AM Peak Hour (7 – 9 AM)



January – December Monthly Averages



December Weekly Averages



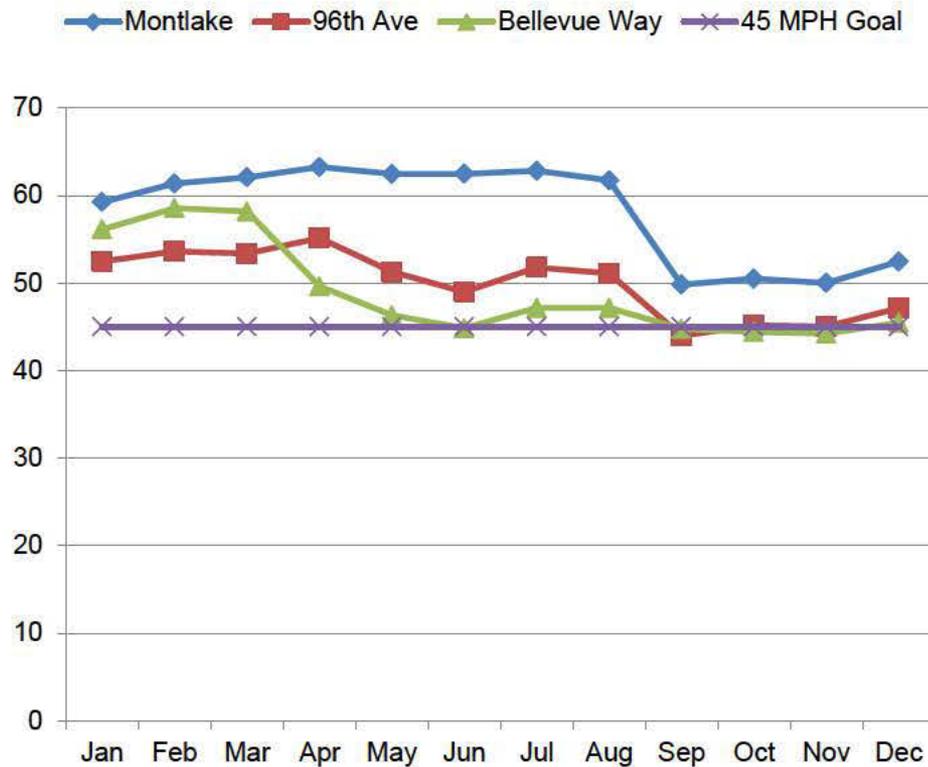
*After FY 2012 Q3 the data station used for collection was changed from 108th Ave to Bellevue Way due to data quality and consistency issues at 108th Ave

Average Weekday Speeds

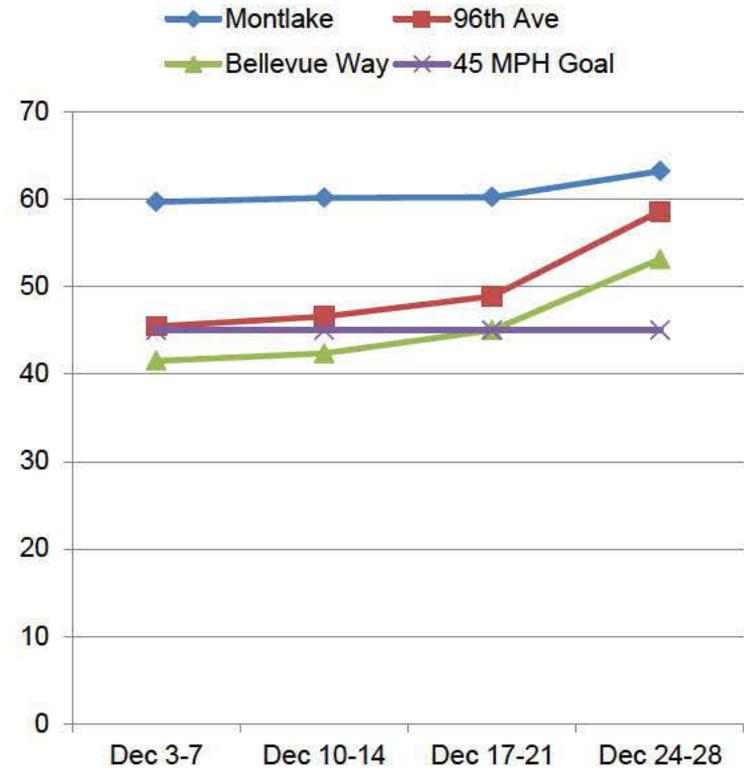
PM Peak Hour (3 – 6 PM)



January – December Monthly Averages



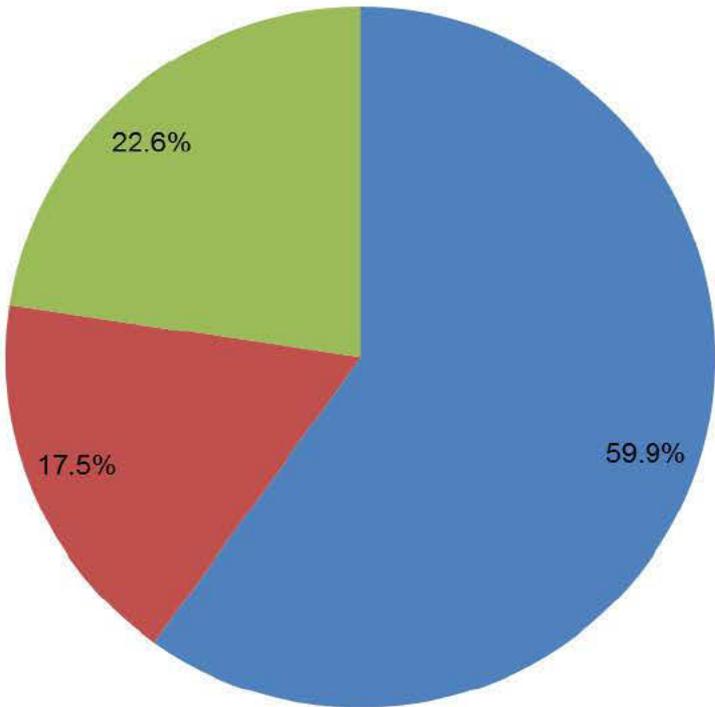
December Weekly Averages



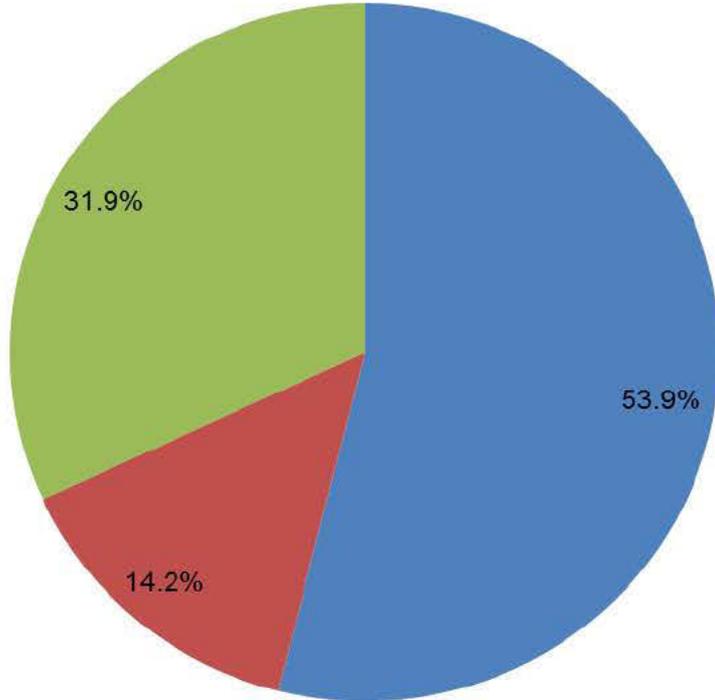
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Peak-hour weekday person trips on SR 520 bridge

2011



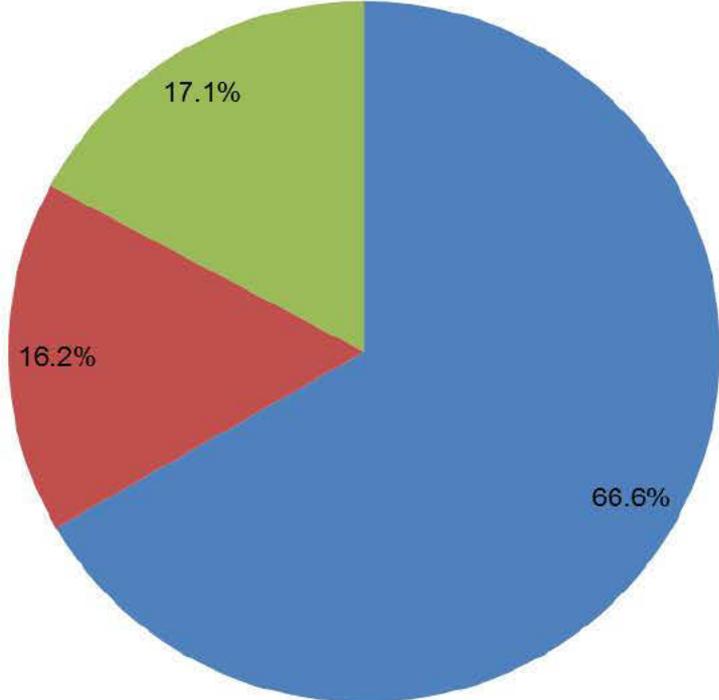
2012



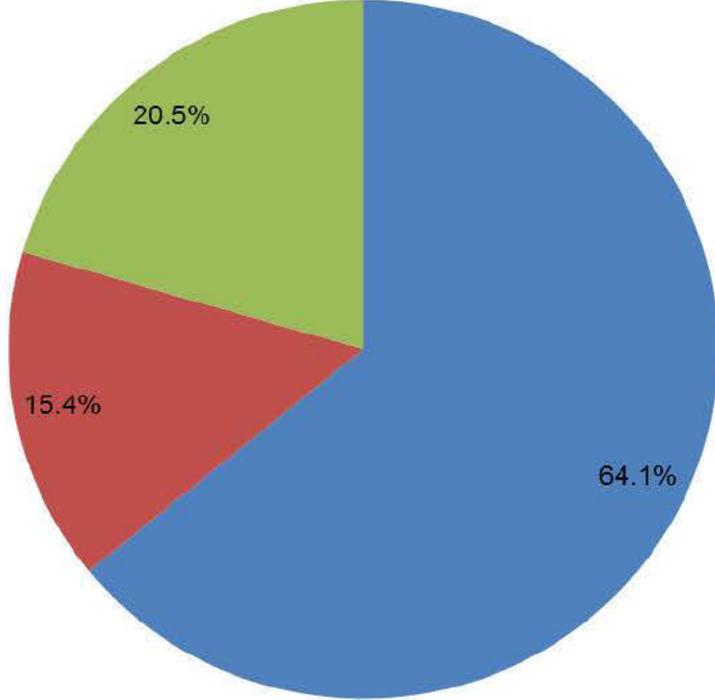
■ SOVs ■ HOVs ■ Transit/Vanpool/Connector

Peak-hour weekday person trips cross Lake Washington

2011



2012



■ SOVs ■ HOVs ■ Transit/Vanpool/Connector

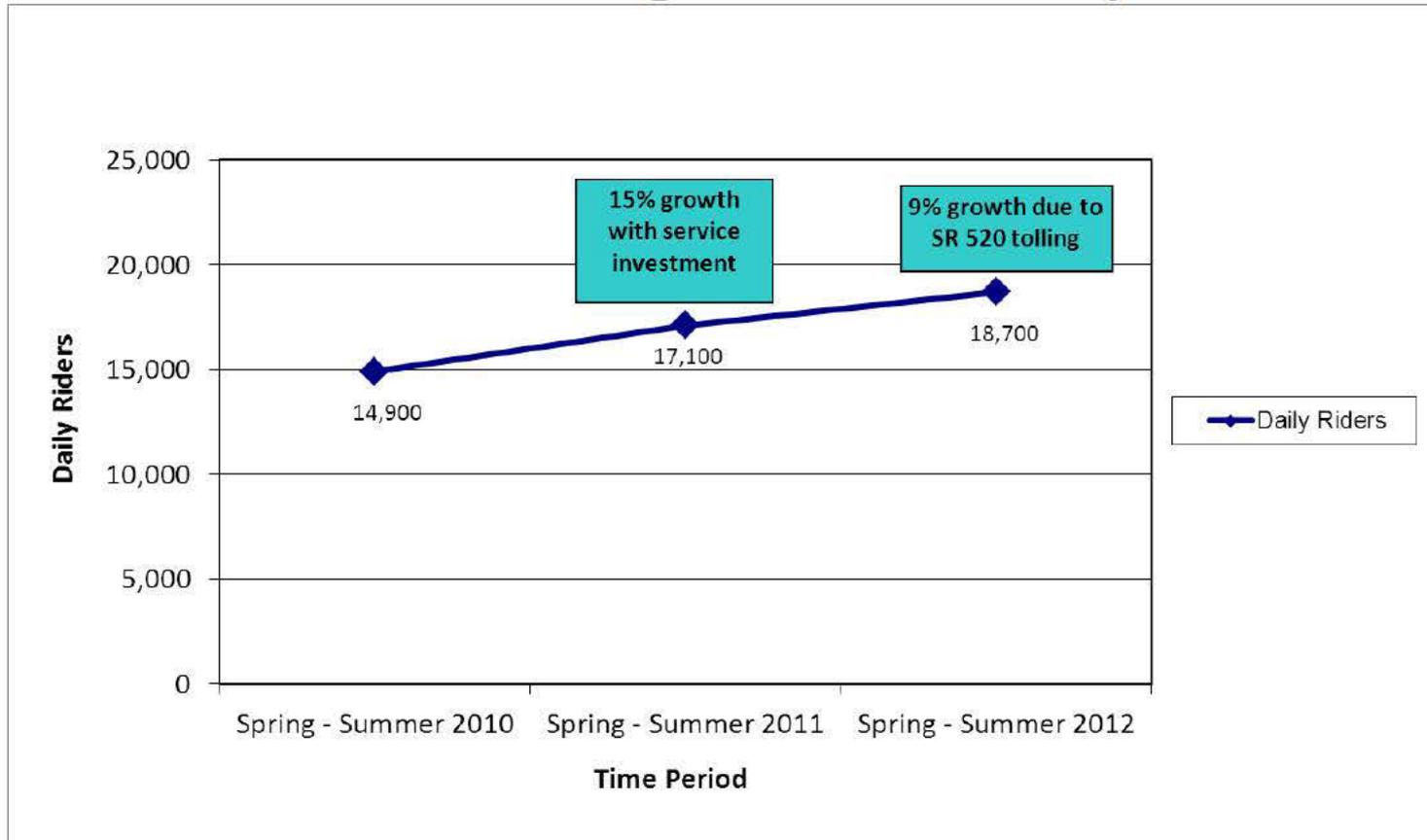
Ron Posthuma
King County Metro

SR 520 Service Improvements

- Metro and Sound Transit service added in fall 2010 and spring 2011
- Increased service by 20%
- Investments focused on:
 - Redmond, Eastgate/Bellevue to the University District
 - Kirkland, Redmond, Woodinville to downtown Seattle

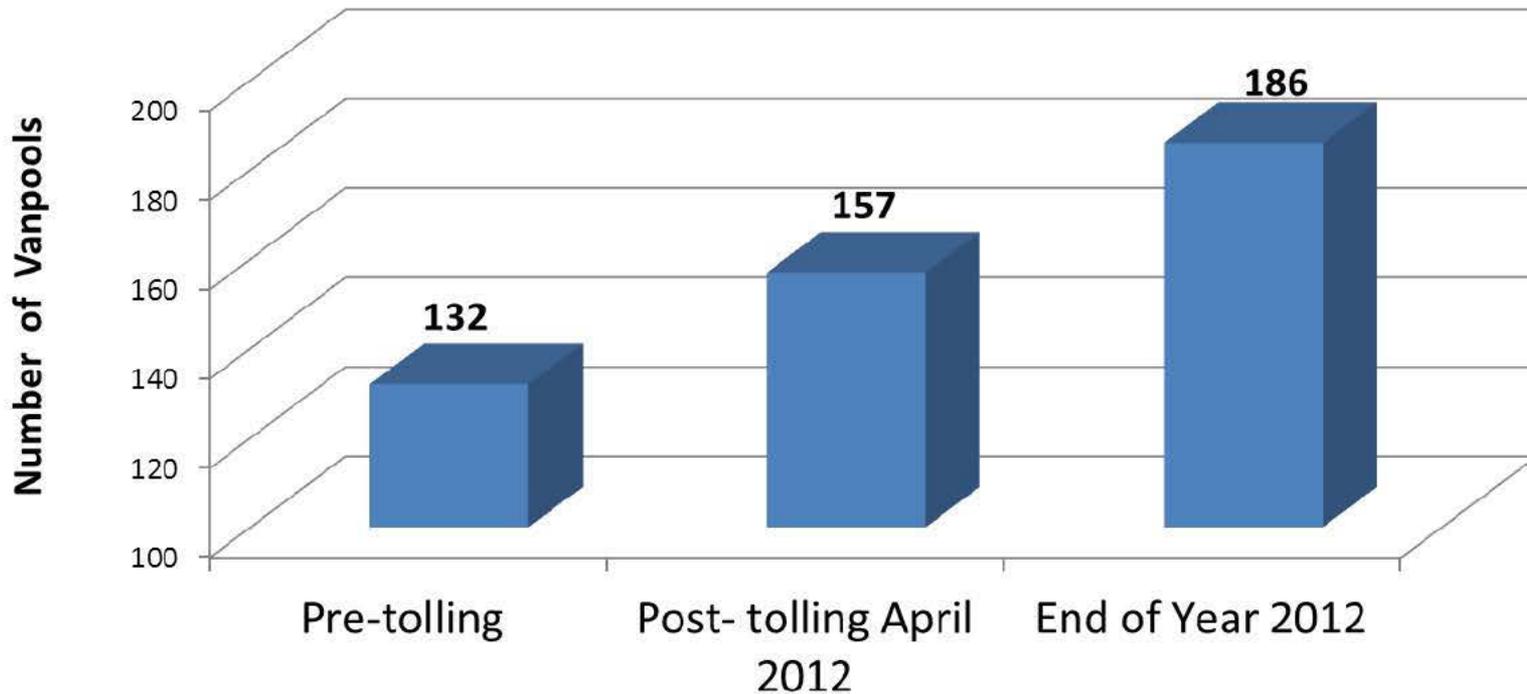


SR 520 Bridge Ridership



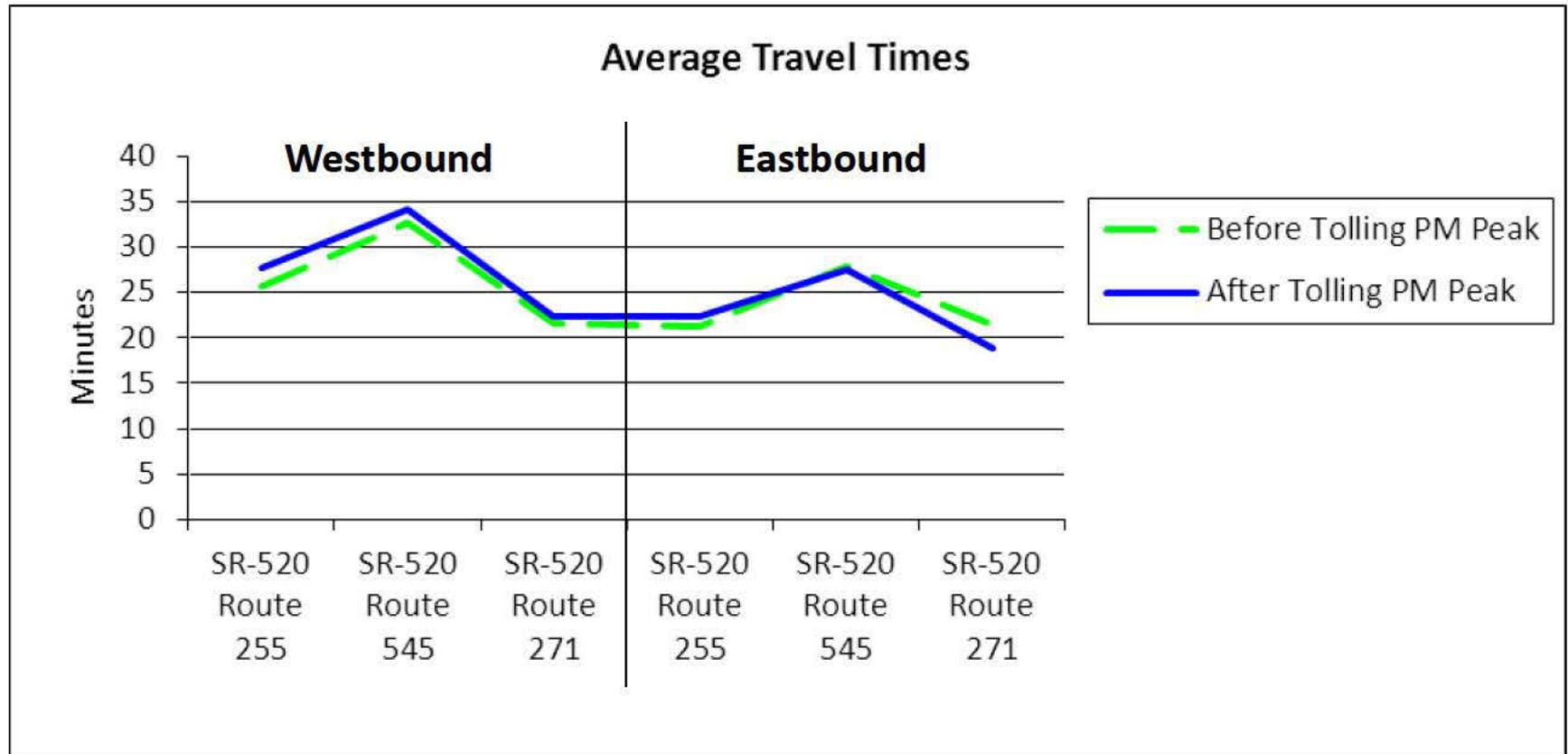
- Ridership increased by 25 percent since 2010, including a 9 percent increase since 2011.
- Ridership on I-90 has also increased since SR520 tolling began on both Metro and Sound Transit services.

Vanpools across SR 520



40% increase in vanpools compared to pre-tolling conditions

Transit Travel Times



- Westbound: Leveled out, similar to pre-tolling
- Eastbound: Decrease in travel times and increased reliability

South Kirkland Park and Ride



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MARKET RATE
UNITS

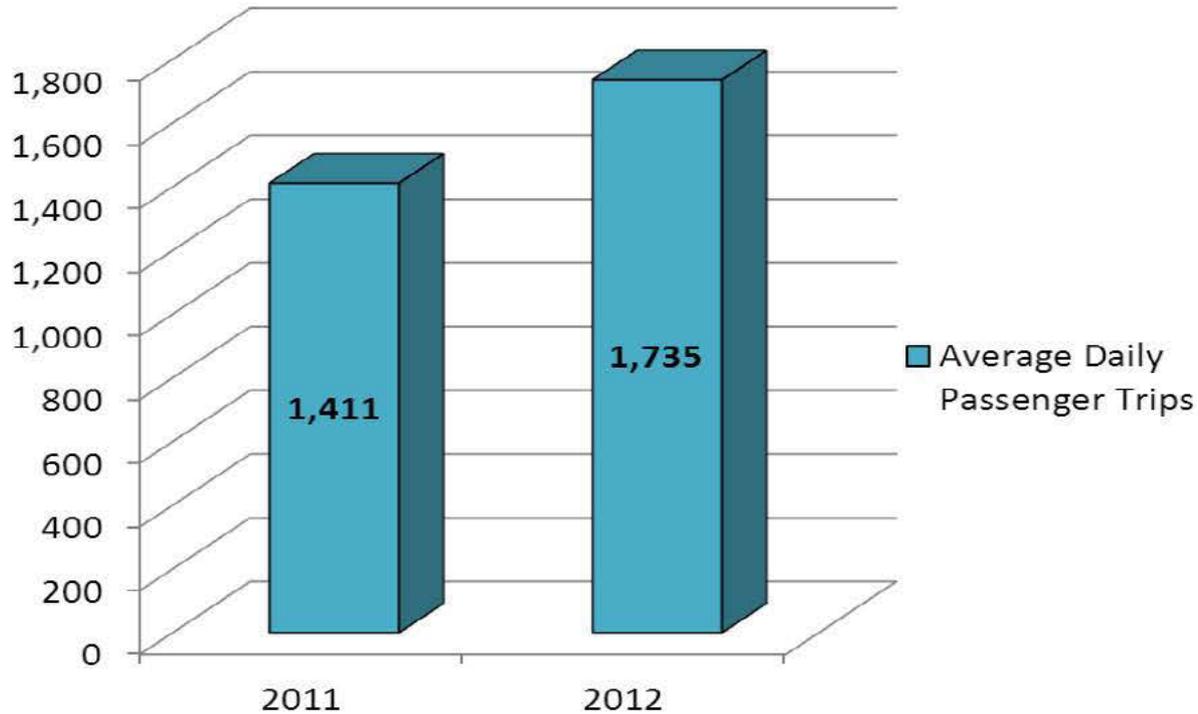
58

AFFORDABLE
UNITS

853

P&R PARKING
STALLS

Microsoft Connector Service across SR 520



** Data provided by Microsoft



23% increase in ridership across SR520 between 2011 to 2012.