Toll Operations Cost of Service Analysis

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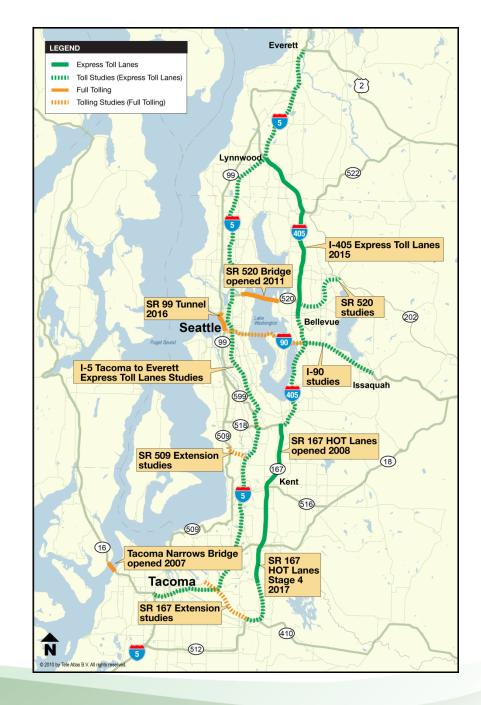
Tolling Facilities

Current toll facilities:

- Tacoma Narrows Bridge
- SR 167 HOT Lanes
- SR 520 Bridge

Authorized toll facilities:

- I-405 Express Toll Lanes
- SR 99 Tunnel





Background

 2009 Joint Transportation Committee Toll Operations Costs Expert Review Panel Recommendation

"Determine fixed and variable costs of *key customer service account and payment method activities* and establish a management process to report on the same as performance indicators and other information that can be used to modify business rules."

- Louthan Consulting baseline study in 2010 to review Tacoma Narrows Bridge and SR 167 HOT Lanes operational expenses
- Louthan Consulting FY 2012 Q3 Q4 analysis released in August 2013
- Louthan Consulting FY 2013 Q1 Q3 analysis released in October 2013



Expected Uses

Premise of the analysis is to understand cost drivers to allow the Toll Division to better evaluate its business model and the effects of its business rules. Additionally, the work will help inform current and future Toll Division processes and studies, such as:

- Budget preparation
- Rate setting
- Review of fees and discounts
- Pay By Mail differential
- Financial forecasting
- LEAN Reviews
- Ferry Integration Study
- Improvements to business rules and processes



Setting Expectations

Changes to 2010 model

- Inclusion of overhead expenses
- Additional facility (SR 520)
- New transaction types (Pay By Plate, Short Term Account, Pay By Mail, Notice of Civil Penalty)
- Removed transaction type (Violations)
- Split transaction type (Tollbooth => Cash Only, Credit/Debit Card)
- Inclusion of adjudication process
- Change in back office vendor (TransCore => ETCC)
- Analysis represents appropriated Toll Division expenses rather than actual costs incurred by the vendor
 - Services only customer service center contract, no direct insight into vendor's actual expenses
 - Informed by the vendor that their actual expenses exceed the value of the original contract
 - Due to a settlement agreement, actual vendor payments have been reduced from the original contract terms

Directionally accurate but not precise due to data quality issues



Flexibility in Analysis

- Analyze all facility costs, including debt service
- Analyze cost of collection only
- Analyze expenses paid by toll revenue only
- Analyze facility level costs
- Analyze cost by payment method



Payment Methods

Toll booths

 Pay with cash or credit card (only available on Tacoma Narrows Bridge)



Electronic Tolling

- Good To Go! Pass (available on Tacoma Narrows Bridge, SR 520 and SR 167)
- Photo Tolling (only available on Tacoma Narrows Bridge and SR 520)
 - Pay By Plate
 - Pay By Mail
 - Short Term Account





Tacoma Narrows Bridge FY 2012 Q3 & Q4 Results

| Transaction Type | Transaction Count ¹ | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|-----------------------------------|--|------------------------------|--|------------------------------|
| | | All Funding Sources ⁴ | | Toll Funding Only ⁴ | |
| Good To Go! Pass | 4,702,305 | \$0.36 | \$0.34 | \$0.32 | \$0.30 |
| Tollbooth | 1,587,412 | \$1.14 | \$1.12 | \$1.11 | \$1.09 |
| Pay By Mail | 263,172 | \$0.94 | \$0.92 | \$0.89 | \$0.85 |
| Pay By Plate | 246,627 | \$0.58 | \$0.56 | \$0.52 | \$0.50 |
| Non-Revenue | 2,489 | \$0.30 | \$0.28 | \$0.26 | \$0.24 |
| Short Term Account | 278 | \$6.73 | \$6.71 | \$6.16 | \$6.14 |
| Weighted Average | 6,802,283 | \$0.58 | \$0.55 | \$0.53 | \$0.51 |

¹ Transaction counts for this analysis have been adjusted to represent final disposition.

² Cost to Operate and Maintain excludes debt payments, transponder costs, insurance, capital outlays for software, and adjudication costs.

³ Cost to Collect is a subset of Cost to Operate and Maintain and additionally excludes supporting roadway expansion, maintaining bridges/roads, providing ongoing bond support, patrol services, and services rendered by other state agencies or government. ⁴ In Q3 statewide costs were allocated using SR 520 planned traffic levels, rather than actuals.



Tacoma Narrows Bridge FY 2013 Q1-Q3 Results

| Transaction Type | Transaction | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|--------------------|--|------------------------------|--|------------------------------|
| | Count ¹ | All Funding Sources | | Toll Funding Only | |
| Good To Go! Pass | 6,801,750 | \$0.51 | \$0.33 | \$0.47 | \$0.30 |
| Tollbooth | 2,455,663 | \$1.26 | \$1.06 | \$1.22 | \$1.04 |
| Pay By Mail | 473,239 | \$1.30 | \$1.11 | \$1.23 | \$1.05 |
| Pay By Plate | 390,607 | \$0.62 | \$0.45 | \$0.57 | \$0.40 |
| Non-Revenue | 2,846 | \$0.45 | \$0.27 | \$0.41 | \$0.24 |
| Short Term Account | 446 | \$7.49 | \$7.20 | \$7.12 | \$6.84 |
| Weighted Average | 10,124,551 | \$0.73 | \$0.55 | \$0.69 | \$0.52 |

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³ Cost to Collect is a subset of Cost to Operate and Maintain and additionally excludes insurance, supporting roadway expansion, maintaining bridges/roads, providing ongoing bond support, patrol services, and services rendered by other state agencies or government.



SR 167 HOT Lanes FY 2012 Q3 & Q4 Results

| Transaction Type | Transaction Count ¹ | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|-----------------------------------|--|------------------------------|--|------------------------------|
| | | All Funding Sources ⁴ | | Toll Funding Only ⁴ | |
| Good To Go! Pass | 445,620 | \$1.45 | \$0.79 | \$1.29 | \$0.67 |
| Non-Revenue | 7,056 | \$1.34 | \$0.76 | \$1.17 | \$0.63 |
| Pay By Plate | N/A | N/A | N/A | N/A | N/A |
| Short Term Account | N/A | N/A | N/A | N/A | N/A |
| Pay By Mail | N/A | N/A | N/A | N/A | N/A |
| Tollbooth | N/A | N/A | N/A | N/A | N/A |
| Weighted Average | 452,676 | \$1.45 | \$0.79 | \$1.29 | \$0.67 |

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 ⁴ In Q3 statewide costs were allocated using SR 520 planned traffic levels, rather than actuals.



SR 167 HOT Lanes FY 2013 Q1-Q3 Results

| Transaction Type | Transaction Count ¹ | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|-----------------------------------|---|------------------------------|--|------------------------------|
| | | All Funding Sources | | Toll Funding Only | |
| Good To Go! Pass | 740,509 | \$1.19 | \$0.76 | \$1.04 | \$0.67 |
| Non-Revenue | 19,783 | \$1.04 | \$0.70 | \$0.89 | \$0.61 |
| Pay By Plate | N/A | N/A | N/A | N/A | N/A |
| Short Term Account | N/A | N/A | N/A | N/A | N/A |
| Pay By Mail | N/A | N/A | N/A | N/A | N/A |
| Tollbooth | N/A | N/A | N/A | N/A | N/A |
| Weighted Average | 760,292 | \$1.18 | \$0.76 | \$1.04 | \$0.67 |

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SR 520 Bridge FY 2012 Q3 & Q4 Results

| Transaction Type | Transaction | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|--------------------|--|------------------------------|--|------------------------------|
| | Count ¹ | All Funding Sources ⁴ | | Toll Funding Only ⁴ | |
| Good To Go! Pass | 6,760,175 | \$0.34 | \$0.31 | \$0.30 | \$0.29 |
| Pay By Mail | 1,686,111 | \$0.80 | \$0.77 | \$0.74 | \$0.72 |
| Pay By Plate | 949,090 | \$0.82 | \$0.79 | \$0.73 | \$0.72 |
| Non-Revenue | 165,540 | \$0.28 | \$0.26 | \$0.24 | \$0.23 |
| Short Term Account | 3,399 | \$6.30 | \$6.27 | \$5.74 | \$5.73 |
| Tollbooth | N/A | N/A | N/A | N/A | N/A |
| Weighted Average | 9,564,315 | \$0.47 | \$0.44 | \$0.42 | \$0.41 |

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³ Cost to Collect is a subset of Cost to Operate and Maintain and additionally excludes supporting roadway expansion, maintaining bridges/roads, providing ongoing bond support, patrol services, and services rendered by other state agencies or government. ⁴ In Q3 statewide costs were allocated using SR 520 planned traffic levels, rather than actuals.



SR 520 Bridge FY 2013 Q1-Q3 Results

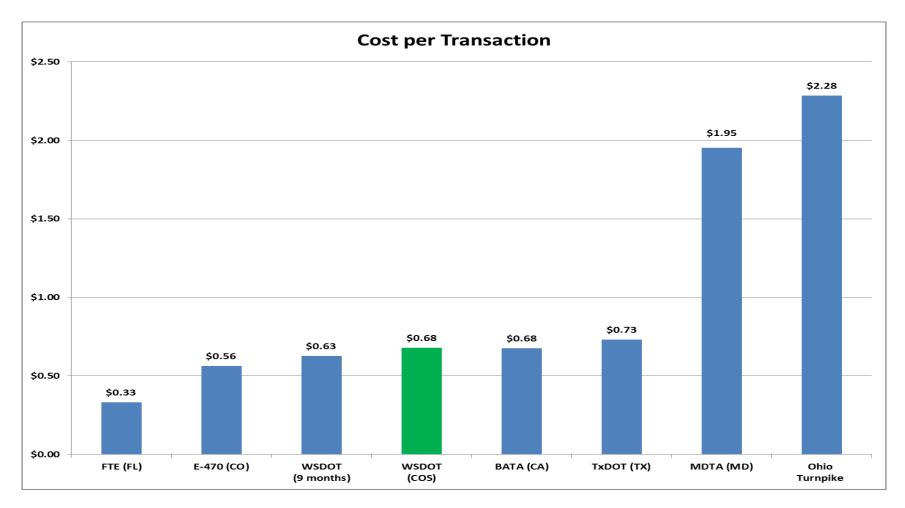
| Transaction Type | Transaction Count ¹ | Cost to Operate and Maintain ² | Cost to Collect ³ | Cost to Operate and Maintain ² | Cost to Collect ³ |
|--------------------|-----------------------------------|--|------------------------------|--|------------------------------|
| | Count | All Funding Sources | | Toll Funding Only | |
| Good To Go! Pass | 10,520,515 | \$0.49 | \$0.31 | \$0.45 | \$0.29 |
| Pay By Mail | 2,445,848 | \$1.17 | \$0.98 | \$1.10 | \$0.93 |
| Pay By Plate | 1,811,068 | \$0.59 | \$0.41 | \$0.53 | \$0.37 |
| Non-Revenue | 100,467 | \$0.66 | \$0.25 | \$0.61 | \$0.23 |
| Short Term Account | 5,089 | \$7.47 | \$7.22 | \$7.08 | \$6.85 |
| Tollbooth | N/A | N/A | N/A | N/A | N/A |
| Weighted Average | 14,882,987 | \$0.62 | \$0.44 | \$0.57 | \$0.40 |

¹ Transaction counts for this analysis have been adjusted to represent final disposition.

² Cost to Operate and Maintain excludes debt payments, transponder costs, capital outlays for software, and adjudication costs.
³ Cost to Collect is a subset of Cost to Operate and Maintain and additionally excludes insurance, supporting roadway expansion, maintaining bridges/roads, providing ongoing bond support, patrol services, and services rendered by other state agencies or government.



Agency Comparisons



- 1. Peer agency comparison is based on agencies' published financial statements from 2012. WSDOT cost of service (COS) information is from the FY 2013 1st -3rd Quarter Cost of Service Analysis.
- 2. Only FTE and Ohio Turnpike report interest expenses under Operating Expenses; all other agencies report interest expenses under Non-Operating Revenue (Expenses) so those have been removed from the analysis.



Next Steps

- FY 2013 4th Quarter results expected late 2013
- Annual updates going forward
- Evaluating doing the analysis internally



For questions or further information...

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