I-405/SR 167 Megaprogram

Project Update

Kim Henry, P.E. – I-405/SR 167 Program Administrator
January 23, 2019
I-405 Master Plan

Regional Consensus
- EIS Record of Decision, 2002
- Multimodal, multiagency plan

Roadways
- 2 new lanes in each direction
- Local arterial improvements

Transit & Transportation Choices
- Bus Rapid Transit system
- New transit centers
- 50% transit service increase
- HOV direct access ramps and flyer stops
- Managed lanes system
- 5000 new Park & Ride spaces
- 1700 new vanpools

Environmental Enhancements
### I-405 Master Plan: Multimodal and making progress

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Park and Ride expansions</td>
<td>138% complete or funded</td>
</tr>
<tr>
<td>Local arterial improvements</td>
<td>50% complete</td>
</tr>
<tr>
<td>Direct Access and Direct Connectors</td>
<td>19% complete or funded</td>
</tr>
<tr>
<td>Transit center expansions</td>
<td>70% complete</td>
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<tr>
<td>Add 2 lanes in each direction</td>
<td>45% complete or funded</td>
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<tr>
<td>Transit service increase</td>
<td>62% complete or anticipated</td>
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<tr>
<td>Bus Rapid Transit stations</td>
<td>91% complete or funded</td>
</tr>
<tr>
<td>Pedestrian/bicycle improvements</td>
<td>65% complete or funded</td>
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<tr>
<td>Vanpool service increase</td>
<td>40% complete</td>
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</tbody>
</table>
I-405 delivery schedule and next steps

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
<th>Phase</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>I-405 Renton to Bellevue Widening &amp; Express Toll Lanes</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2016</td>
<td>I-405/NE 132nd Interchange</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2017</td>
<td>SR 520/NE 124th Interchange</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2018</td>
<td>SR 527 to I-5 NB Peak-Use Shoulder Lane</td>
<td>PE/CN</td>
<td>Construction</td>
</tr>
<tr>
<td>2019</td>
<td>NE 85th Street Inline Station</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2020</td>
<td>I-405/SR 522 to SR 527 Capacity Improvements</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2021</td>
<td>Contract 1: I-405/SR 167 Interchange Direct Connector</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2022</td>
<td>Contract 2: Renton to Bellevue Widening &amp; Express Toll Lanes</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
<tr>
<td>2023</td>
<td>Contract 3: Interchange &amp; Capacity Improvements</td>
<td>PE/RW</td>
<td>Construction</td>
</tr>
</tbody>
</table>

King County early completion of sections of Eastside Rail Corridor trail

Scheduled opening of I-405 Bus Rapid Transit
SR 522 to SR 527 Capacity Improvements

Project Description:
Extends dual ETLs from south of SR 522 to SR 527 and builds direct access ramps at the SR 522 interchange and a partial direct access ramp at SR 527.

Funding Status:
Funded:
• Engineering: $20M (FY 17-19 and 19-21)
Funding Needed:
• Right of way: $20 million (included in Governor’s FY 19-21 budget)
• Construction: Approx. $450 million

From the 2018 legislative supplemental budget: “…for activities related to adding capacity on Interstate 405 between state route number 522 and Interstate 5, with the goals of increasing vehicle throughput and aligning project completion with the implementation of bus rapid transit in the vicinity of the project.”
SR 522 interchange design concept

- Dual southbound I-405 express toll lanes on existing northbound structure
- New center direct access ramp to I-405 express toll lanes
- New bridge for northbound I-405 traffic
SR 527 interchange design concept

- New center direct access ramp to I-405 express toll lanes
- Pedestrian bridge
- Canyon Park park and ride
- 17th Avenue SE
NE 132nd Street Interchange Improvements

Project Description:
• Constructs a new on-ramp to northbound I-405 and a new off-ramp from southbound I-405 at NE 132nd Street
• Builds two roundabouts on NE 132nd Street at the new interchange

Status:
• Currently in right of way and access rights acquisition phase
• Construction to start in 2021 and open to traffic in 2023
• Funded by Connecting Washington

View a video of the I-405/NE 132nd Street interchange concept
**NE 85th Street Interchange**

**Project Description:**
- Constructs a three-level interchange with the I-405 mainline, Sound Transit flyer stop/direct access (ETL), and NE 85th arterial

**Status:**
- Sound Transit Board contract approval, December 2018
- Fully funded by Sound Transit

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**Level 3 (Top)**
- I-405 mainline

**Level 2 (Middle)**
- Access to/from I-405 express toll lanes for transit and express toll lane users

**Level 1 New (Bottom)**
- For through traffic on 85th and to/from I-405

**Local bus stops**
- at same level as BRT stops

**BRT stations**
- Below I-405 level, no vertical transfer required to 85th

**Pedestrian walkways**
- Maximum 5% grade, no switchbacks

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View a [video](#) of the I-405/NE 85th Street interchange concept
Completing the 40-mile corridor

Completed Toll System Projects

✓ I-405 Bellevue to Lynnwood Express Toll Lanes (2015)
✓ SR 167 High Occupancy Toll (HOT) Lanes (Extension 2016)

Future/Ongoing Toll System Projects

✓ I-405/SR 167 Interchange Direct Connector (2019)

I-405 SR 522 to SR 527 Capacity Improvements
• Legislature authorized $20 million for preliminary engineering
• $20 million for right of way included in Governor’s FY 19-21 budget
• Approximately $450 million needed for construction

I-405 Renton to Bellevue Widening & Express Toll Lanes
• Construction to begin in 2019
• Open to traffic in 2024
I-405/SR 167 Interchange Direct Connector

Project Description:
• Builds a new flyover ramp connecting the SR 167 HOT lanes to the I-405 HOV lanes
• Relocates a noise wall and constructs portions of local streets in the Talbot Hill neighborhood

Status:
• Under construction
• Anticipated: Open to traffic in early 2019 – ahead of schedule and under budget
Major multimodal project elements:
- Adds new capacity and interchange improvements to create a dual express toll lane system between SR 167 in Renton and NE 6\textsuperscript{th} Street in Bellevue
- Bus Rapid Transit infrastructure (with Sound Transit)
- Eastside Rail Corridor Regional Trail segments (with King County)
- Coordination with Mountains to Sound Greenway trail
- Approx. $710 million construction upset price
I-405 Renton to Bellevue: capacity improvements
2025 traffic projections show substantial benefits

A.M. Peak (2025)

Without project

With project

P.M. Peak (2025)

Without project

With project
I-405 Renton to Bellevue: project schedule and status

Status:
- Fully funded by Connecting Washington and express toll lane revenue
- Environmental assessments published in April and July 2018
- Proposers short-listed in December 2018
- RFP released on January 7, 2019
- Toll authorization bill in 2019 legislative session
- Construction scheduled to start in 2019
- Open to Traffic in 2024
I-405 Renton to Bellevue: partner schedules

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<tbody>
<tr>
<td>Engineering</td>
<td>Procurement</td>
<td>RFP</td>
<td>Notice to Proceed</td>
<td>Wilburton Segment Opening</td>
<td>Construction</td>
<td>BRT Opening</td>
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</tbody>
</table>

*Early construction activities could begin prior to 2023.*

$860 million BRT plan
I-405 Renton to Bellevue coordination
Sound Transit, NE 44th Street interchange

View a video of the I-405/NE 44th Street interchange concept
I-405 Renton to Bellevue coordination
King County, Eastside Rail Corridor Regional Trail

I-405 crossing visualization

Trail cross section visualization
Next steps

- Secure toll authorization to keep the Renton to Bellevue Widening and Express Toll Lanes project – and partner projects – on schedule to start construction in 2019.

- Advance the SR 522 to SR 527 Capacity Improvements project to meet the 2024 Sound Transit BRT schedule, as directed in the 2018 supplemental budget.
Contact

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