



Update on Projects in Construction

System Expansion Committee

5/09/24



Update on Projects in Construction

- Project Status
- Known Risks & Mitigations
- Next Steps

No action required today.

East Link Starter Line

Project Status

Successful Opening on April 27, 2024



Ongoing work

- Punch list & warranty work, closeout of open items not critical for revenue service.
- Continue pedestrian crossing enhancements.

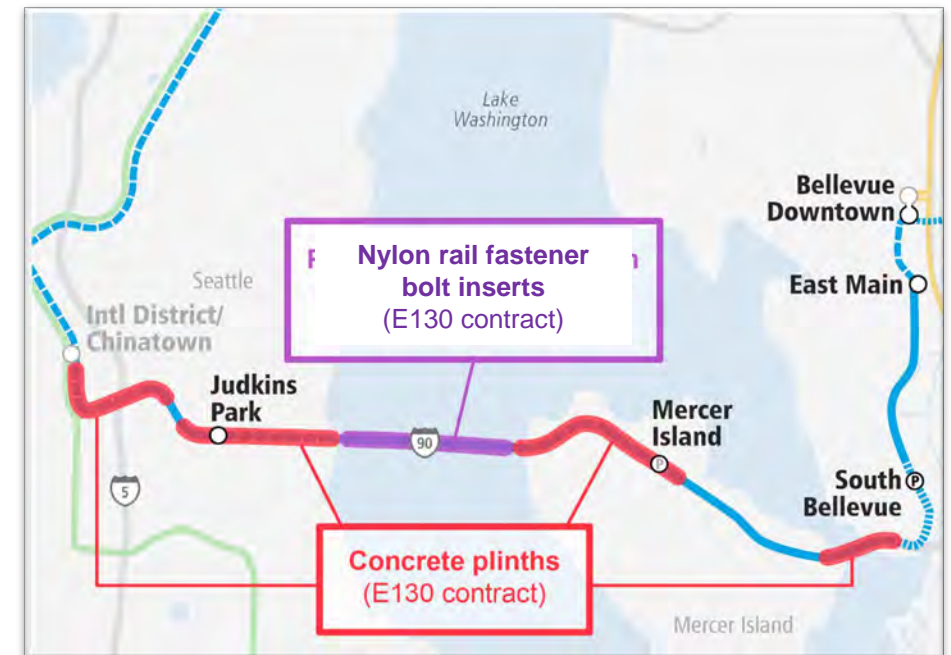
East Link (I-90 Corridor)

Project Status: Plinth Rebuild

- Concrete track plinth demolition at 95% & reconstruction at 78% complete as of May 4, 2024
- Forecasted track plinths completion slipped from July to August 2024 still within 2025 opening window
- Dual Blocks Replacement (damaged, spalled, etc.) on-going on Floating Bridge

		Field Data Tracking				
		Date	4/17/2024			
Location	Sum of Total Track Feet	As-PLANNED - FIELD	% Complete PLANNED	As-Built	% Complete AS-BUILT	% Actual vs. Planned
IDS	767.47	7,053.50	89%	6,328.50	79%	90%
D2	7,196.11					
JPS	4,009.01	3,517.00	88%	3,169.00	79%	90%
MBT	7,029.08	7,906.50	112%	7,036.00	100%	89%
WA	4,722.28	1,425.00	30%	1,286.00	27%	90%
EA	4,630.87	1,646.00	36%	1,233.50	27%	75%
MIT	5,959.02	6,517.50	109%	5,849.50	98%	90%
MIS	2,159.72	2,592.50	120%	2,152.00	100%	83%
ECB	5,561.80	6,257.50	113%	5,566.50	100%	89%
Total	42,035.36	36,915.50	88%	32,621.00	78%	88%
% (Actual VS Project Total)		78%				
% (Actual VS Planned)		88%				

As of May 4, 2024



East Link (I-90 Corridor)

Known Risks & Mitigations

- Critical or Near-Critical Path work ahead:
 - Repair polyurea coating on floating bridge, plan to complete in Summer (Weather dependent)
 - Power and systems tie-in work at International District / Chinatown Station to connect 1 Line.
 - Achieving auto-mode in the Cathodic Protection System for the floating bridge.
 - Replacing some dual blocks on floating bridge.
- Ongoing discussions with contractor and staff to manage work to meet or improve current schedule.
- Further schedule slippage could impact Q4 2025 Revenue Service Date.



Completed Track on East Channel Bridge Looking West

Lynnwood and NE 130th Street Infill Station

Project Status

- 98% complete, tracking for opening August 30, 2024
- System Integration Testing (SIT) ongoing, target completion May 2024
- NE 130th Street Infill Station Finishes contract underway, tracking to open on schedule mid-2026

Known Risks & Mitigations

- Securing final Certificates of Occupancy from the multiple jurisdictions: frequent meetings & quick responses to minimize potential delays.
- SIT delays: closely monitoring progress of testing with dedicated team of specialists.
- NE 130th Station remaining construction is adjacent to active rail traffic: platform-level barricades will separate workers from rail for safety.



Downtown Redmond

Project Status

- 88% complete; Spring 2025 opening
- Systems Integration Testing started early, plan to complete by September.
- Stations & Garage: installed structural elements; finishes, roofing, and Mechanical/Electrical/Plumbing/Fire Protection underway.

Known Risks & Mitigations

- Priority in technical support for Lynnwood Extension could result in delayed testing or start of pre-revenue.
- Station platform tile quality risk: deferred start to mitigate cold/wet weather installation and damage from concurrent construction.
- Systems ductbank deviation in process: cable pulling restarted with protective cover install to occur after testing.
- Station completion progress slower than plan: discussing strategies to close schedule gap with contractor.



SIT: dead car tow

Marymoor Village Garage



Federal Way

Project status

- 87% complete, tracking to 2026 opening
- LRV storage milestone achieved on north end of alignment. For storage of up to 16 train cars.
- Overhead Catenary Tie-In to Angle Lake Station on schedule, May - June 2024.
- Coordination with Operations and ATO: readiness requirements and streamlined pre-revenue duration.

Known Risks & Mitigations

- Maintaining momentum on Structure C guideway construction; completed both pier tables, now constructing the long span.
- WSDOT SR 509 project interface risk; close coordination with state partners and contractors.
- Bus Loop Activation in Downtown Federal Way; close collaboration with City and transit partners.



Series 2 Light rail vehicle fleet expansion

Project status

- Manufacturing: 88% complete for the 152 LRV order.
- Delivery Status: 128 vehicles received, 113 conditionally accepted for revenue service (10 now serving 2 Line).
- Retrofit Status: Series 1 Automatic Train Protection complete for 31 of 62, and ~twenty more ready for acceptance tests.
- Improved performance on Warranty issues; cars out of service for correction maintained at <10% fleet since October 2023.
- Change Order for purchasing 10 additional LRV issued.

Known Risks & Mitigations

- OMF Central storage capacity constrains pace of commissioning until mainline access to OMF East is available; completing work that can be performed in Bellevue to maintain momentum.
- Operational risk in supporting planned service levels – balancing effort on warranty items with commissioning to optimize LRV availability and using alternate overnight storage locations.



Series 2 LRV operating on 2 Line

Sumner, Kent, and Auburn Station Parking and Access Improvements

Project status

- Sumner final design progressing to 100%, and early site preparation started Q1 2024.
- Kent final design is progressing toward 30% packages
- Auburn final design is progressing toward 30% packages

Known Risks & Mitigations

- City permitting may take longer than expected and include unanticipated conditions; close coordination with City jurisdictions to identify process efficiencies and align on conditions.
- Complex property acquisition in Auburn delayed notice to proceed - schedule and cost impact in review.



Sumner design-builder's proposal rendering



Auburn design-builder's proposal rendering

Stride BRT Program status

Construction

- S1 Burien-Bellevue
 - NE 44th design-build underway
 - South Renton Transit Center: Complete design and advertise for construction in 2024
- S2 Bellevue-Lynnwood
 - NE 85th design-build and Brickyard-SR522-Canyon Park design-build underway
- S3 Bothell-Shoreline
 - Complete design and advertise for construction in 2024
 - Bothell-Kenmore BAT lane: completed 2022
- Bus Base: complete design and award construction contract in 2024

Fleet and Systems:

- Fleet ordered.
- Systems contract to be awarded Q2 2024.
- Contracted Service Provider procurement Q2-Q4 2024.



Stride BRT: April 2024 Construction

S1 - NE 44th Interchange and Station. Southbound bridge structure taking shape (center left in photo)



S2 - NE 85th Station/Interchange grading (above), **SR522/I-405 Interchange** start of construction, traffic control (photo at right)

Stride Bus Rapid Transit Program

Known Risks & Mitigations

- Permitting may take longer than expected due to the capacity of partner agencies and the unique nature of projects.
 - Continuing to collaborate closely and resolve issues as they arise, including providing resources to partners to accelerate permitting.
- Right of way acquisition may not progress as quickly as planned.
 - Ensuring needed resources are available and deployed with urgency.
- Market conditions continue to drive cost escalation.
 - Tracking market conditions closely and repackaging construction contracts to maximize efficiency.

Start Program

Project Status

- **2 Line:** 16 artworks completed in 8 stations.
- **Lynnwood Link:** 7 artworks at 4 stations
 - South Shoreline Station installing Q3.
- **Downtown Redmond Link:** 12 artworks at 2 stations
 - Artwork installation targeted for Q3.
- **Federal Way Link:** 8 artworks at 3 stations
 - Federal Way Downtown garage art installation Q2.
- **Souder garages:** 4 artworks at 3 stations in design
 - Auburn Souder platform art installation Q3.
- **BRT Stations:** Line 1, 2, 3
 - Artist hires anticipated with city partner involvement in Q3.

Known Risks & Mitigations

- Artwork installation vendors do not respond to RFPs; continue seeking small businesses and other outreach.



South Bellevue Station acoustic panels

Hummingbird and *Kitchen Curtin* installation at Lynnwood City Center Station



Next Steps for Projects in Construction

- Continue to advance projects safely and efficiently.
- Focus on meeting quality requirements.
- Closely monitor schedules for the opening of each line & work proactively with contractors to address schedule gaps.
- Hold facilitated partnering sessions to resolve issues and maintain team focus.
- Continue to collect lessons learned and apply to upcoming projects.
- Keep Board apprised of progress and issues.
- Next update in Q3 2024.

Thank you.



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