2025 FTA Joint SSO and RTA Workshop

Safety Certification Review
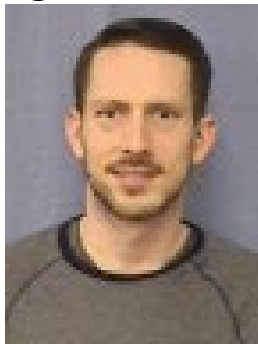
Andrew Royer
SSO and Safety Certification Lead
Washington State Department of Transportation

SSO Introductions

- **Molly Hughes, Public Transportation Safety Administrator**

- **Graham Harrison, Seattle Streetcar and Seattle Monorail Oversight Lead**

- **Jennifer Mars, Sound Transit Central Link Oversight Lead**

- **Ryan Sigurdson, Sound Transit Central Link Oversight Lead**
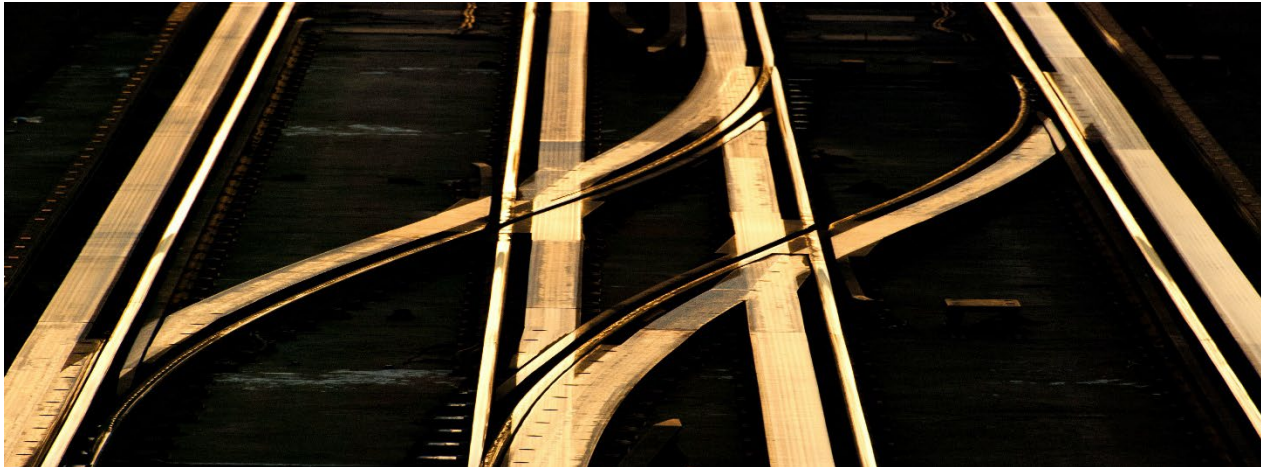
SSO Introductions

WSDOT

- **Andrew Royer, Safety Certification Lead, Streetcar/Monorail support**

- **Ryan Syferd, Sound Transit Tacoma Link Oversight Lead**

WSDOT

- What is safety certification?

- What does safety certification look like?

Current projects

- East Link
- Federal Way Link
- Tacoma Dome Link
- West Seattle Link
- Ballard Link
- ST3 vehicle procurement
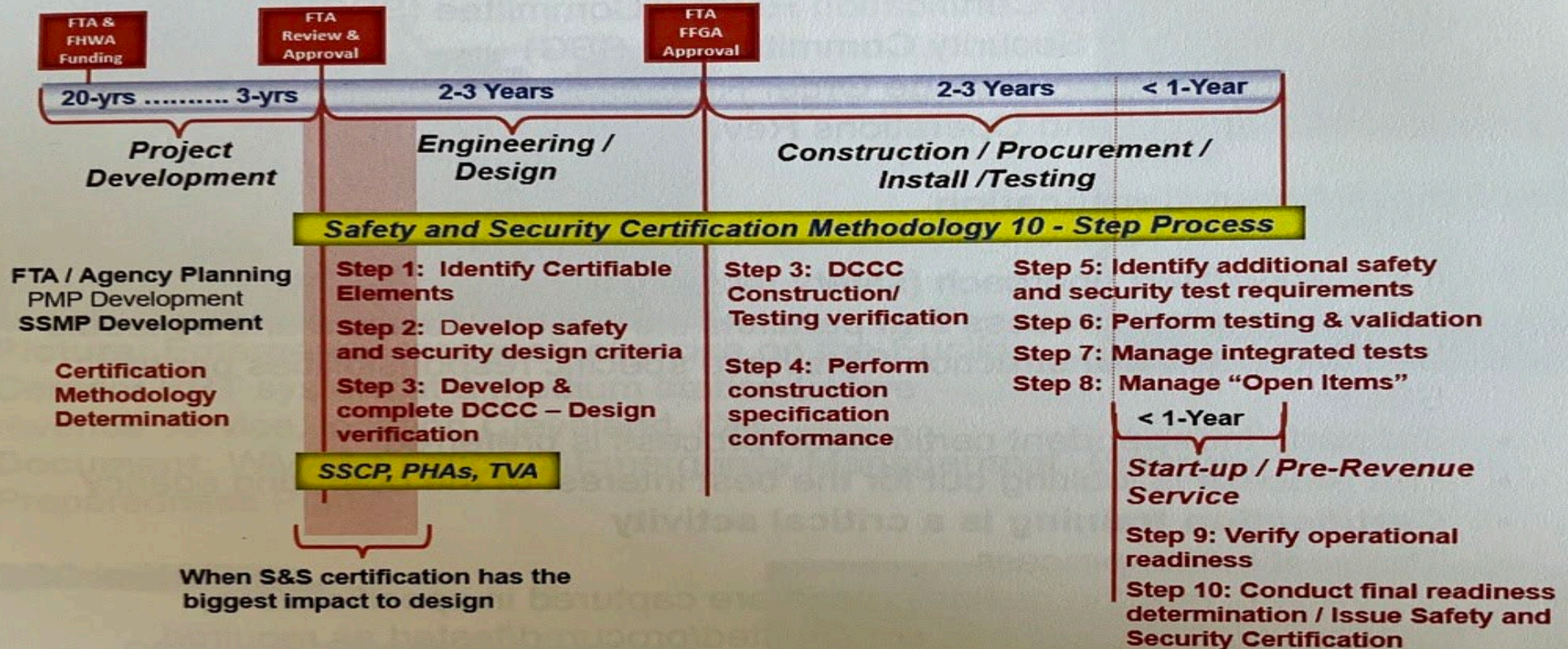- Interstate Bridge Replacement project – ODOT SSOA/WSDOT SSOA

Past projects

- Northgate Link
- Hilltop Link
- Operations and Maintenance Facility – East
- Lynnwood Link
- Downtown Redmond Link
- East Link Starter Line
- ST2 vehicle procurement
- Tacoma LRV

WSDOT

- **Safety certification scope:**
    - Systems and testing (System Integration Testing)
    - Facilities/equipment (procurement)
    - Hazard identification and mitigation (PHA, OHA, SSHA, TVA…)
    - Operational requirements (training complete, open items identified)

- **Safety certification is not** the acceptance or assumption of an RTA's risk

SSOA Safety Certification Activities

- **Safety certification activity examples:**
    - SSMP and SSCP
    - PHA, OHA, and other hazard analyses
    - Certifiable Items List
    - Certificates of conformance and open items associated
    - System integration tests
    - Certificates of occupancy
    - On-site testing observations
    - Meetings to attend:
        - Safety and Security Certification Review Committee (SSCRC)
        - Fire Life Safety and Security Committee (FLSSC)
        - Design and construction team meetings
        - Rail Activation Committee meetings (RAC)

SSOA Safety Certification Activities

WSDOT - State Safety Oversight Agency
Lynnwood Link - *Sound Transit*

OPERATIONAL READINESS REVIEW

Washington State
Department of Transportation

Safety Program Review

Prepared By: Andrew Royer, SSO
Reviewed By: Andrew Royer, SSO;
Molly Hughes, SSO on August 6, 2024

Operational Requirements					Pre-Revenue Service Phase			Verification		
Function and / or Project Component	Certifiable Sub-Element (if applicable)	Reference Number	Para	Title / Description / Comment	Means of Verification Submittal / Visual	Submittal Number Date Approved	Ownership Department	Operational Certification POC Name / Date	WSDOT Verification Name / Date	Status Open / Closed
				PRE-REVENUE OPERATIONS						
GENERAL ITEMS and SAFETY CERTIFICATION										
Project Management Plan (PMP)				LLE Project Management Plan_ Rev 02	*Submittal*	April 2023	ST	Christi Hendrickson	**July/August 2024**	Closed
Fleet Management Plan				Audited via ST2 LRV	Submittal		ST	Matt Mitchell	**July/August 2024**	Closed
Operational Readiness Conformance / Certification of Conformance				Appendix J: LLE Certificates of Conformance July 2024; LLE Cert Pre Rev CoC; LLE Cert SSC System Readiness Parking Garage	*Submittal*	August 1, 2024	ST	Christi Hendrickson	**July/August 2024**	Closed
Staffing Plan with Organizational Chart				See ST org chart	*Submittal*		ST		**July/August 2024**	Closed
Pre-Revenue Operations Test Plan				Appendix I: LLR-PLN-10007 Pre-Revenue and Start-Up Plan	*Submittal*	July 25, 2024	ST	William Chevalier	**July/August 2024**	Closed
System Integration Test Plan				SIT Closure memo; 504a – testing is complete, and they are just working on the wrapping up the final report. I expect to close that one out tomorrow or Monday. 504c and d – testing completed this morning, and we should see that report by 8/6 or 7. 505 – still has some outstanding work that is estimated to be complete by 8/13 with the report coming in on 8/16.	*Submittal*	August 1, 2024	ST	Josiah Durham	**July/August 2024**	Closed
Schedule for PRO Activities Training Program for Staff and Contractors				Trainings scheduled and completed via SSCRS meeting updates	Attendance		ST	Christi Hendrickson	**July/August 2024**	Closed
Rule Book / Rule Book Updates				N/A	N/A				**July/August 2024**	Closed
Standard Operating Procedures (SOPs)				Appendix I	*Submittal*	July 25, 2024	ST	Amanda Nightingale	**July/August 2024**	Closed
Standard Maintenance Procedures (SMPs)				Appendix I	*Submittal*	July 25, 2024	ST	Amanda Nightingale	**July/August 2024**	Closed
Emergency Preparedness / Management Plan				ST Emergency Management Plan	*Submittal*	August 2021	ST	Ken Cummins	**July/August 2024**	Closed
Incident Response Plan				N/A	N/A				**July/August 2024**	Closed
Preliminary Hazard Analysis (PHA)				Appendix G: PHA records of decision	*Submittal*	June 13, 2024	ST	Christi Hendrickson	**July/August 2024**	Closed
Operational Hazard Analyses				Appendix I: OHA log	*Submittal*	June 13, 2024	ST	Christi	**July/August**	Closed

Resources and Regulations

- 49 CFR Part 674.25 (C)
- FTA Circular C 5800.1 Safety and Security Management Guidance for Major Capital Projects
- Other SSOAs
- Consultant support
- SSOA Program Standard and/or reference guides
- APTA's Safety and Security Certification manual (July 2024)
- FTA regional support
- PMOC Oversight Procedures (OP) 22 and 54
- OP 54 Readiness for Review Report
- TSI's Safety, Security, and Emergency Management Considerations for FTA Capital Projects course

The Importance of Collaboration

- Attend meetings with RTA, PMOC or SSOA
- Remain adaptable to change
- Early involvement
- Communication
- Address concerns early
- Review safety and security verification report early and frequently

Questions?

Contact information:

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