



Tacoma Link

8/07/19

Data Classification: Internal Use

Tacoma Link Operations Overview

Overview

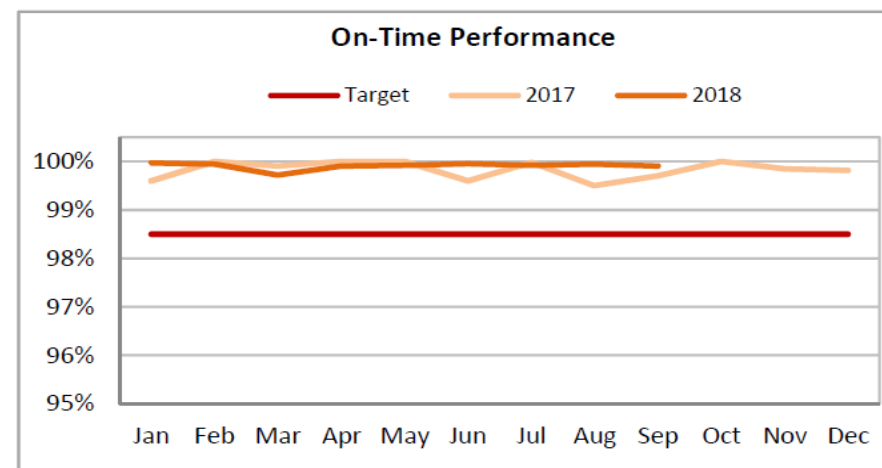
- Tacoma Link light rail line began operations in August 2003
- 1.6 mile L-shaped route
- 5 Stations – initial design
- 6th Station added Sept 2011 (Commerce St, built by the City of Tacoma)
- Serves the University of Washington's Tacoma campus, the Washington State History Museum, the Museum of Glass, the Convention Center, downtown offices and the Broadway Theater District
- Connects to a major regional transportation hub that includes Sounder commuter train service and local and regional buses operated by Sound Transit and Pierce Transit
- Tacoma Link trains run every 12 to 24 minutes 7 days a week depending on the time of day
- Service is available from 5:30 a.m. to 10 p.m. Monday through Friday
- 8 a.m. to 10 p.m. Saturday, and from 10 a.m. to 6 p.m. on Sunday and holidays
- Contracted security officers assigned to trains

Tacoma Link Operations Overview

Performance/Trips

- Monday thru Friday – 2 trains
154 trips/day
246.4 miles/day
- Saturday – 2 trains
144 trips
230.4 miles
- Sunday/Holidays – 1 train
42 trips
67.2 miles
- 956 trips/week
- 3,833 trips/month
- 45,933 trips/annually
- 36 extra trips for extended service (Average)

- 99.9% Average On-time Performance
- 1,529.6 miles/week
- 6,492.8 miles/month
- 78,097.6 miles/annually



Target: 98.5%

Sep 2018: 99.9%

YTD 2018: 99.9%

Operations & Maintenance Personnel

Current O&M Staff

- 1 Deputy Director
- 1 Operations Manager
- 1 Transportation Superintendent
- 4 Transportation Supervisors
- 9 Light Rail Vehicle Operators
- 1 Systems Maintenance Superintendent
- 2 System Maintenance Supervisor
- 11 System Maintenance Technicians
- 1 Project Administration Specialist

Total of 31



Operations Projects / Challenges

- Tacoma Events Support – 2018, 10 events supported / 2019, 23 events on the schedule
- Upcoming Annual Drill
- Extension Right of Way Work Permit Support & Training
- Extension Planning – SOP updates, rule book updates, operator training updates, RFMP updates, pre-revenue service plan, Service cut-over plans, staffing plan
- Triennial Audit

Operations at Work



Operations at Work



Tacoma Link Systems Maintenance

Tacoma Link Systems Maintenance Department covers a wide variety of work in Tacoma. Unlike other properties that divide up the work between different crafts, Tacoma Systems Maintenance Technicians maintain and repair the following:

- Light Rail Vehicles
- Signal Systems
- Track and Switches
- Substations
- Overhead Catenary System

Maintenance Crew at Work



Maintenance Crew at Work



Maintenance Projects / Challenges

- LRV Meseit, CCTV Upgrade and UHF Radio Upgrade
- LRV Carbody side panel repair and replacement
- LRV Truck Overhaul
- Pantograph Overhaul
- LRV Procurement 5 New Brookville
- Coordination with the extension construction crew for the new OMF
- Preparing for 2020 hire Rail Service Workers and initiate an apprenticeship program.

Tacoma Link Hilltop Extension Overview

Overview

This extension more than doubles the length of Tacoma Link, starting with a relocated Theater District station, and adding six new stations. These connect to popular destinations such as the Stadium District, Wright Park and major medical facilities before reaching the new Hilltop neighborhood terminus. Tracks run in existing road lanes and are compatible with on-street parking and existing bicycle facilities. Platforms are located in the center roadway. The extension also includes expansion of the Operations and Maintenance Facility located on East 25th Street to accommodate five new light rail vehicles.

Phase

Construction

Tacoma Link Hilltop Extension Overview

Facts

- **Length:** 2.4 miles of in street running double track
- **Station:** 6 new and 1 relocated stations
- **Operations & Maintenance Facility:** 28,000 Sq. Ft. / 2 run through tracks / wheel trueing machine / new yard with train wash and paint booth
- **Service:** 10 minute peak service (5 LRV's 1 GAP) / 20 minute off peak (3 LRV's 1 GAP)
- **LRV's:** 5 new LRV's from Brookville Equipment Company
- **Substations:** 5 new substations / 4 on the mainline and 1 at the OMF
- **Overhead Catenary:** Single trolley wire
- **Signaling:** GPS based tracking system with connection to City of Tacoma signal system

Operations & Maintenance Facility



OMF Construction



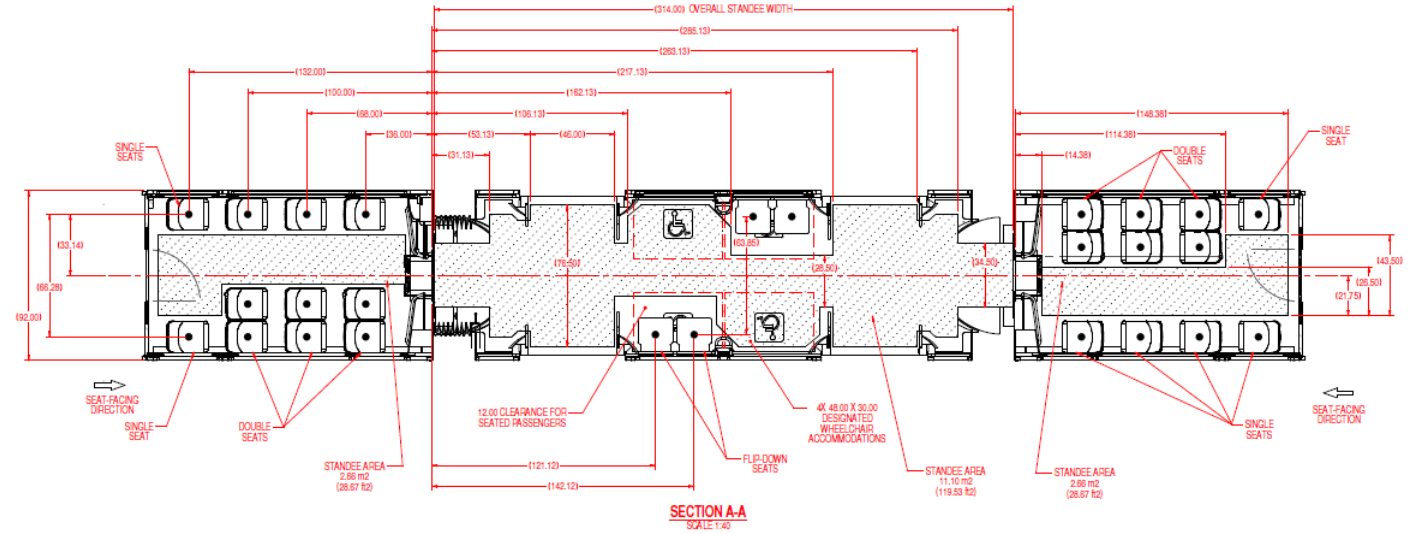
New Stations



Light Rail Vehicles

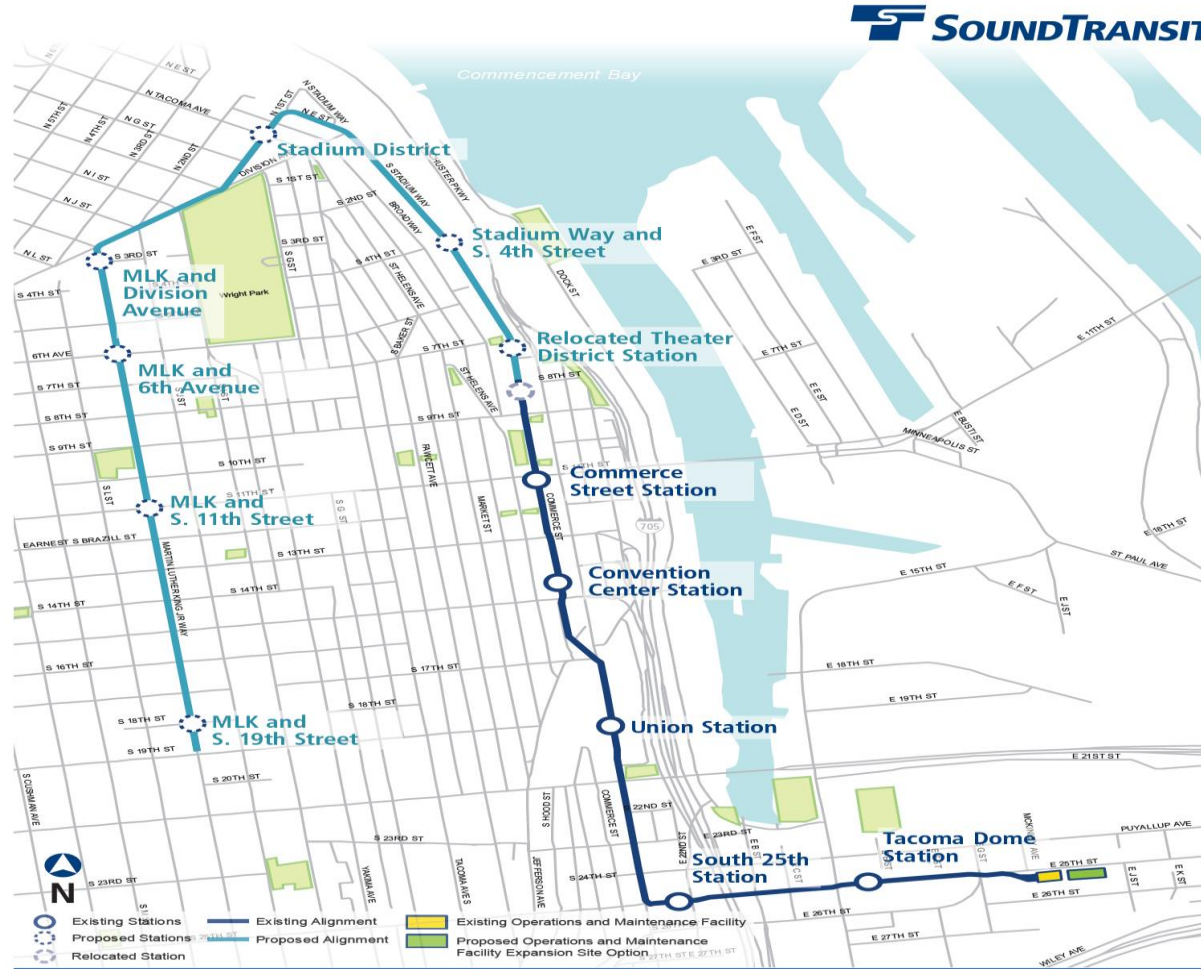


Light Rail Vehicles



New LRV Cab Design Layout

New Alignment



8/07/2019

Questions??

Thank you!