

Post construction overview

Annie Tracks Rehabilitation Project

September 24, 2025

Introduction

- Project Scope Determination
- Project Budget and Funding
- Project Overview
 - Location & Summary
 - Rail Operations Coordination
 - Safety Improvements
- GIS Asset Management

Project Scope Determination

What factors determine the right project scope?

- Age and condition of various track components
- Routine maintenance and impact to operations
- Tonnage, customers, business growth/demands
- Safety or potential operational improvements
- Breakdown of railroad track components
 - Components per mile:
 - 3,200 ties, 10,560 ft of rail, 270 joints, 6,400 plates, 16,000 spikes.
 - Components within a 100-foot segment:
 - 60 ties, 200' rail, 4 joints, 120 plates, 300 spikes
 - Other features may include
 - Switches, track crossings, grade crossings, bridges.

Budget & Funding

Project Assessment

- Managing “needs” vs. “wants”
- Desired lifecycles
- How much can we spend and is there external funding available?

Grants vs Loans

- Current loan debt and payoffs per year.
- Chose a 0% loan. Received Board and Council approvals 2024
- Determine our match, is it competitive? Current cash projections?
 - 2023 WSDOT Freight Rail Investment Board (FRIB) – Rail received 100% of the funding (only applicant, 2 projects awarded)

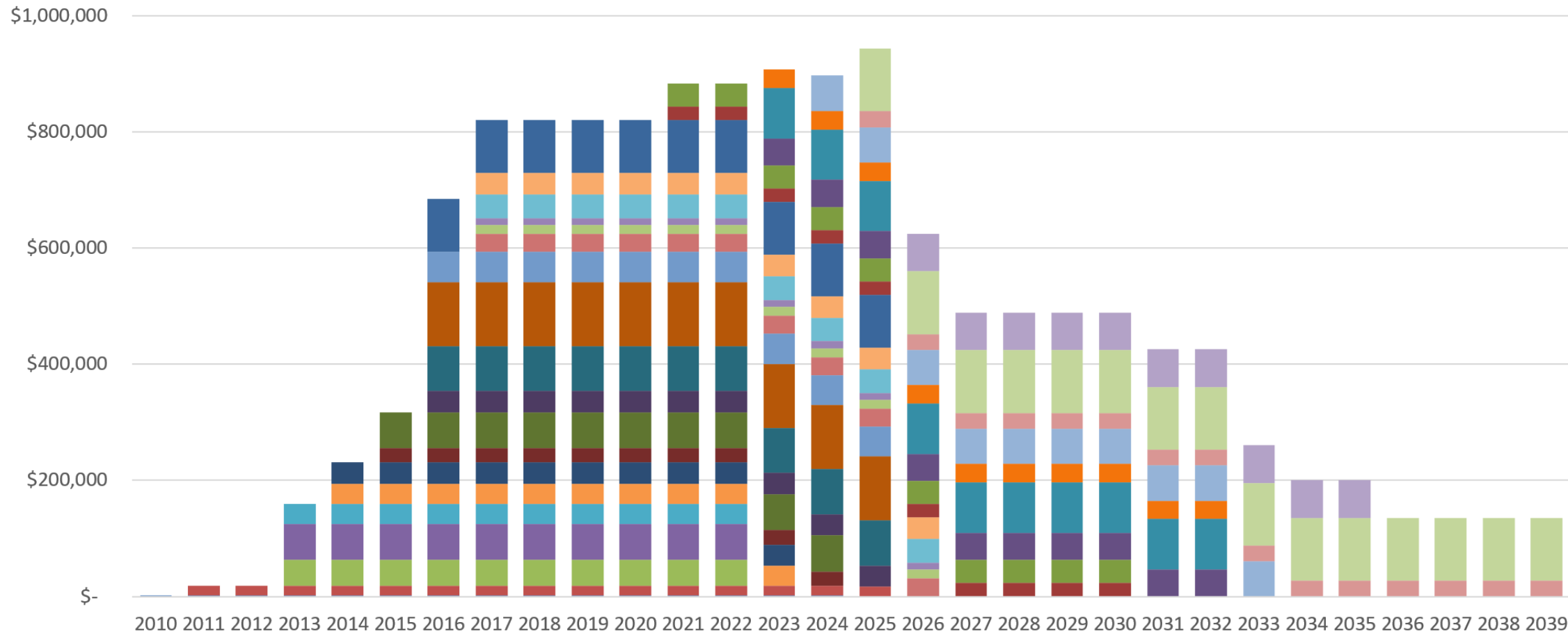
Project estimate and total costs

- Engineer’s estimate (8/2022): \$2.7M Total
 - WSDOT \$1.6M (59%)
 - Tacoma Rail \$1.1M (41%)
- Final Project cost: \$3.05M

Outstanding WSDOT Loans Summary

Active Payment Project	Loan Amount	Remaining	Final Payment Year
Shop Track Reconfiguration	\$ 249,450	\$ 16,630	2025
North Yard Track Upgrade	\$ 366,387	\$ 36,639	2025
East Loop Rehab (E 17th St.)	\$ 773,070	\$ 77,307	2025
Taylor Way (McPip upgrades)	\$ 1,105,058	\$ 110,506	2025
Loop Track (Concrete Tech)	\$ 515,770	\$ 51,577	2025
509 Rebuild	\$ 910,005	\$ 91,001	2025
Taylor Wye	\$ 311,457	\$ 62,291	2026
Transfer Yard Connection	\$ 150,000	\$ 30,000	2026
Edwards Crossover	\$ 121,119	\$ 24,224	2026
East Lead Low Side	\$ 405,744	\$ 81,149	2026
West Lead High Side	\$ 369,518	\$ 73,904	2026
Mazda Siding	\$ 233,051	\$ 139,831	2030
Tote Yard	\$ 400,000	\$ 240,000	2030
Yard Tracks Upgrade	\$ 464,342	\$ 371,474	2032
Locomotive Facility	\$ 868,000	\$ 694,400	2032
Lincoln Track Upgrades	\$ 317,960	\$ 254,368	2032
Alexander Wye and Storage Track	\$ 606,000	\$ 545,400	2033
Railway Track Tamper Machine	\$ 650,000	\$ 650,000	2035
Blair Switch Project	\$ 408,000	\$ 408,000	2039
Annie Track switches project	\$ 1,622,000	\$ 1,622,000	2039

Annual Loan Payments



- Idle Reduction
- Annie Tracks Relay Project
- Yard Track Relay (5 and 6)
- North Yard Track Upgrade
- Loop Track (Concrete Tech)
- Edwards Crossover
- 509 Rebuild
- Yard Tracks Upgrade
- Alexander Wye and Storage Track Upgrades
- Railway Track Tamper Machine
- Shop Track Reconfiguration
- Yard Track Relay (2,3,4)
- Port Pass Track Upgrade
- East Loop Rehab (E 17th St.)
- Taylor Wye
- East Lead Low Side
- Mazda Siding
- Locomotive Facility
- Blair Switch Project
- Locomotive Repower
- 11th Street Crossings
- Yard Track Relay (8 and 9)
- Taylor Way (McPip upgrades)
- Transfer Yard Connection
- West Lead High Side
- Tote Yard
- Lincoln Track Upgrades
- Annie Track switches project

Project Overview

TACOMA RAIL
TACOMA PUBLIC UTILITIES

- 7 Switches
- 2 track x-overs (4 switches)
- 1,460 Ties (33% renewal)
- 1,900 TN dirt/poor ballast removed
- 2,300 TN New ballast installed
- 2 private crossings refurbished
- 1 new solar rail lubricator

* Stars represent rail served customers (10)



Rail Operations Coordination

- Track outages for construction
- Alternate train routes
- Customer impacts
- Managing expectations
- Employee safety, communication, and project updates



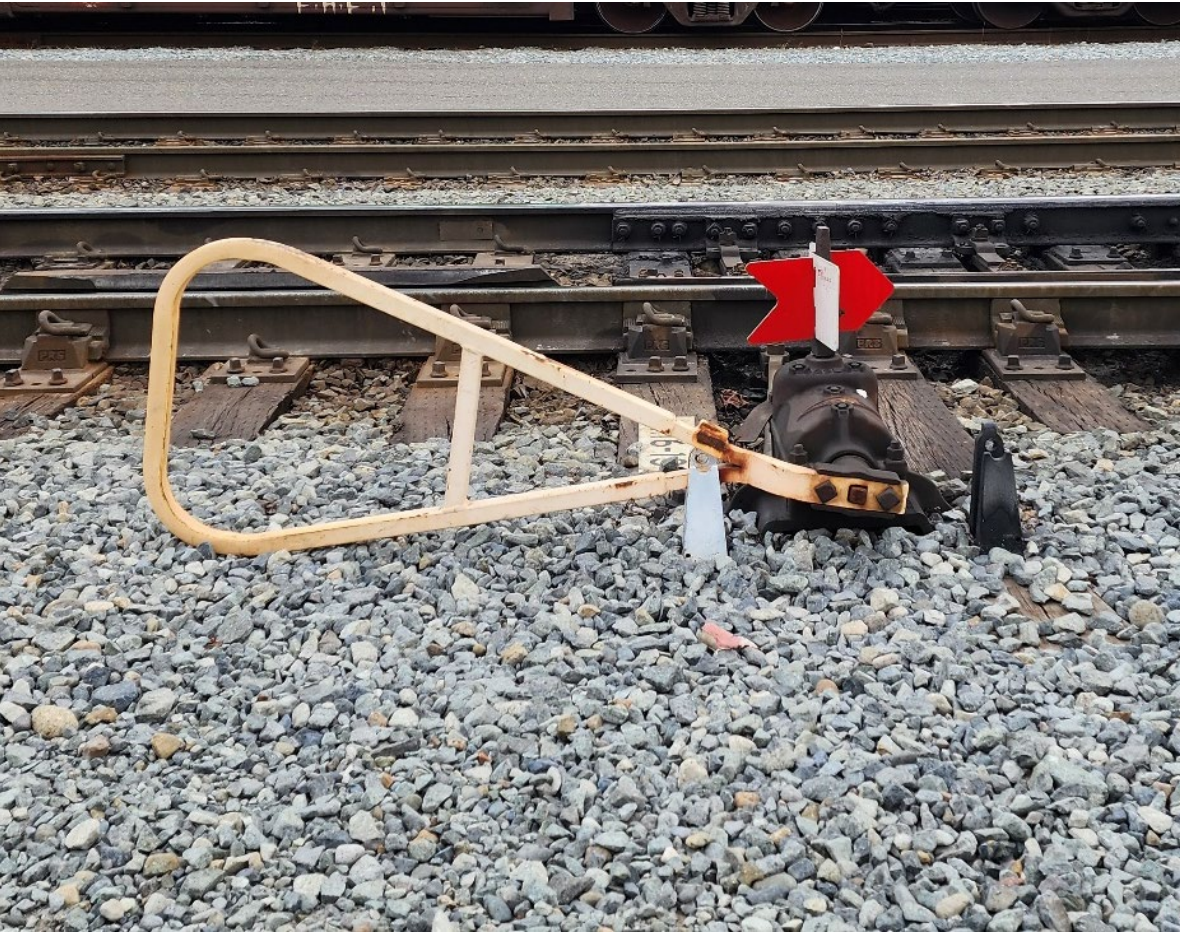
Safety Improvements

Switch Point Rollers



Longer Switch Stand Handles

Before



After



Crossover Relocation

Before



After



Crossover Access

Road Access

Road Access

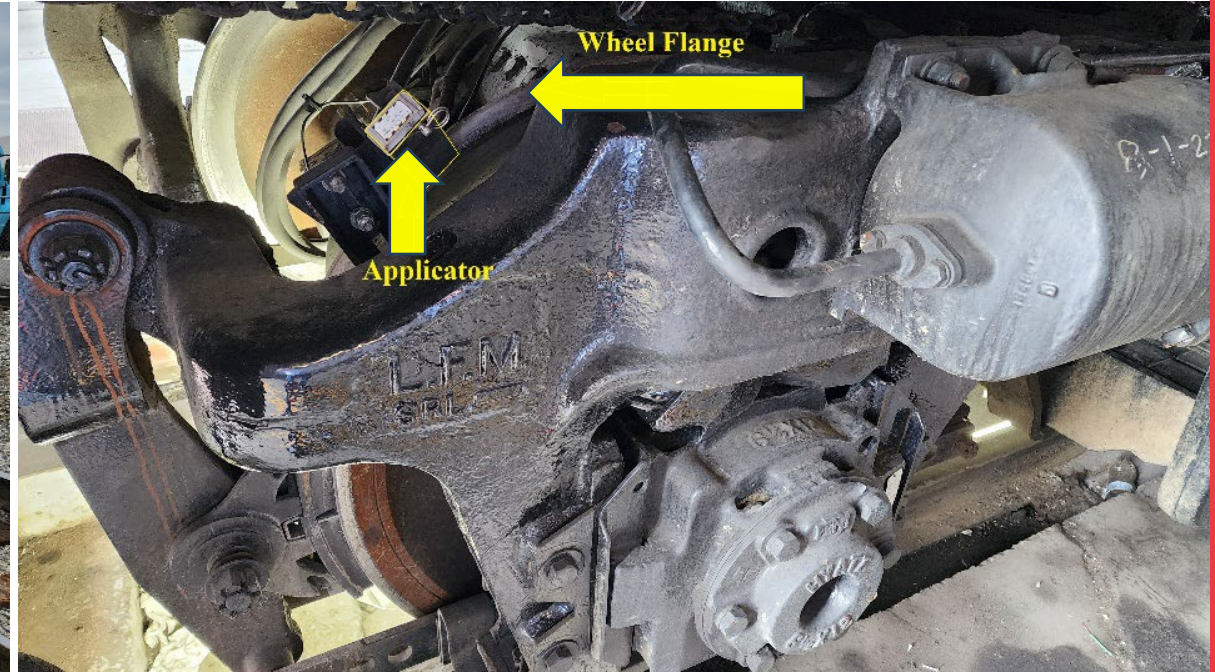


Friction Management

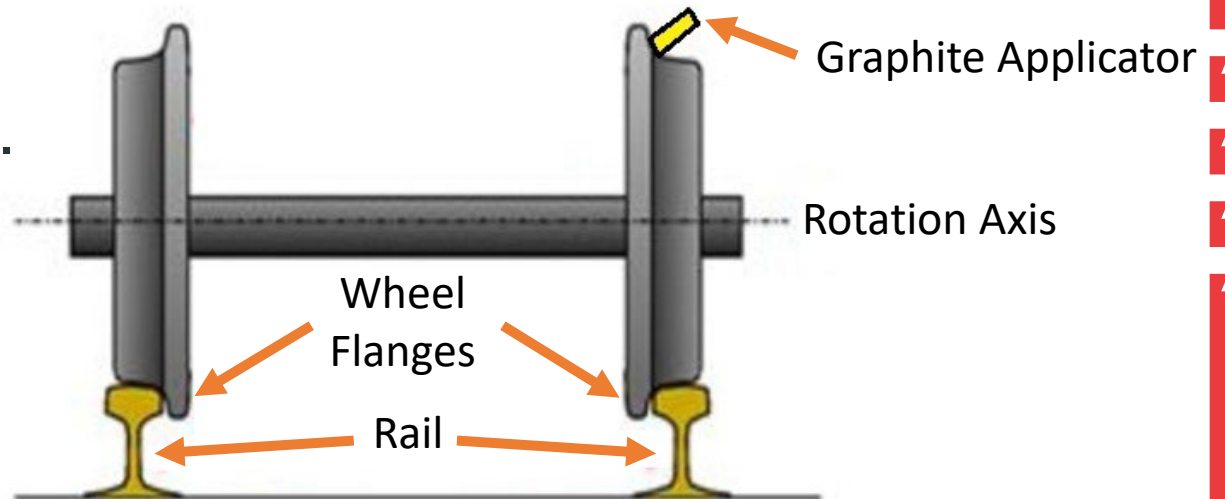
Solar Curve Lubricator



Existing Locomotive graphite “sticks”



- Wheel/Rail friction management reduces future maintenance for both.

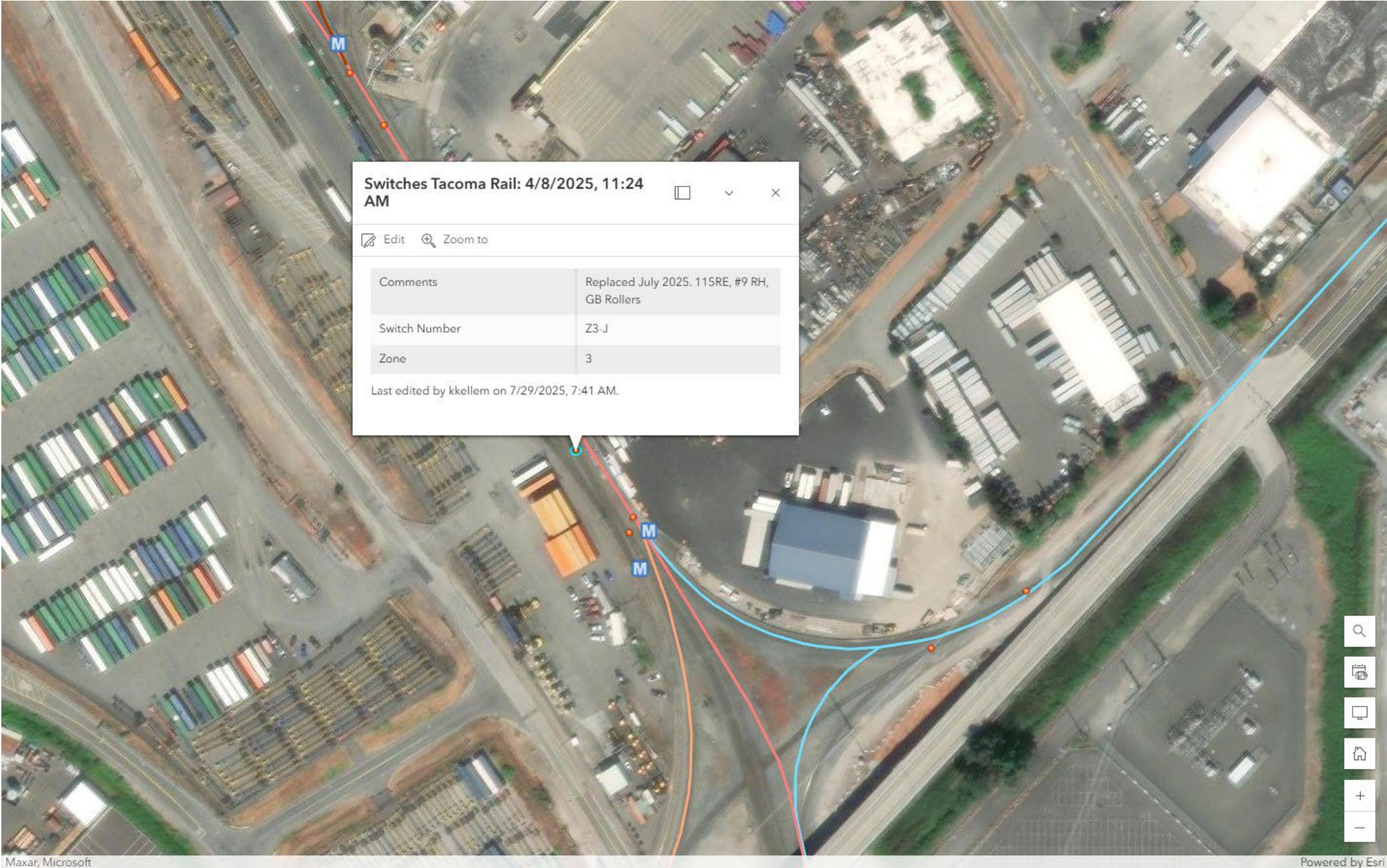


GIS Asset Management

Multi-Layer Map



Feature Updates



Switches Tacoma Rail: 4/8/2025, 11:24 AM

Edit Zoom to

Comments	Replaced July 2025. 115RE, #9 RH, GB Rollers
Switch Number	Z3-J
Zone	3

Last edited by kkellem on 7/29/2025, 7:41 AM.

Maxar, Microsoft

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Annual Gross Million Tons (GMT) By Zone



Questions?

