

11th Ave SW and SW Spokane St

Intersection Safety Improvement Project



Project Background

- July 2022 – Fatal bicycle crash at intersection of 11th Ave SW and SW Spokane St.
- Community discussion process identified a high desire bicycle crossing at this signal. Trail riders currently cross to avoid longer trail loop.
- As part of initial project scoping, an opportunity to partner with Union Pacific on rail crossing improvements was identified.



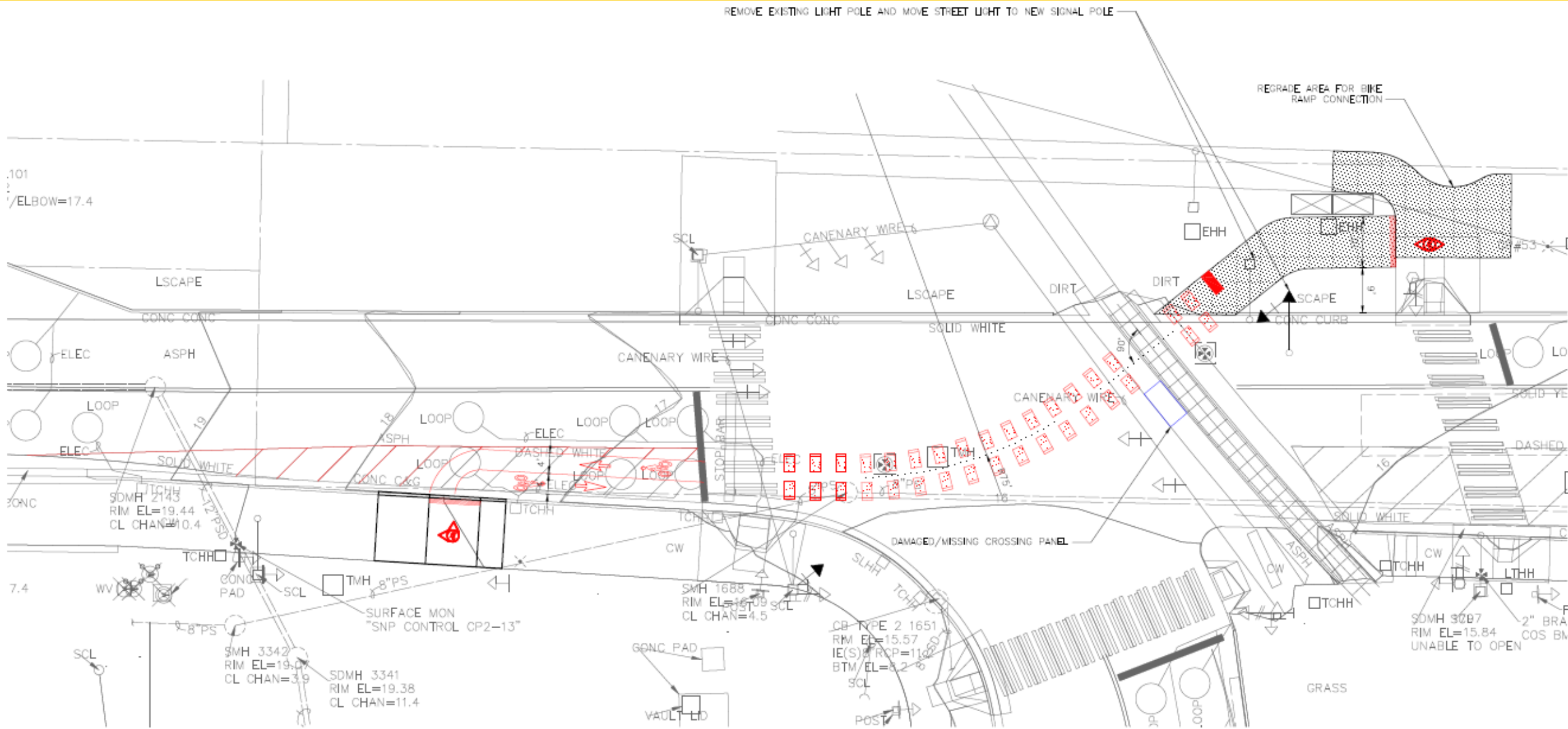
Orange line is current WSB Trail bicycle-only route as designed, loops under SW Spokane Street
Blue line shows two desire routes for bicycle-only trail users that SDOT is looking for formalize

Early Concept and Scope of Work

SDOT and Union Pacific to partner on rail crossing maintenance and upgrades.

SDOT to upgrade and modify intersection traffic controls. Implement new diagonal bike crossing to formalize movement.

Additional signage improvements and rail crossing improvements to be delivered in parallel.



Current concept-level design for a two-way bicycle connection connecting the West Seattle Bridge Trail.

Concept Evaluation

- No lane reductions will occur. Bicycle staging on SW corner will happen in the existing painted hatch.
- In current conditions, west crosswalk signal precludes all vehicle movements. Added bicycle crossing phase would overlap with this, so total cycle length is relatively unchanged.
- SDOT modeled peak bicycle crossing volumes at signal. The following impacts to vehicle operations are anticipated:
 - AM period: No change in average vehicle delay
 - PM period: Average vehicle delay increases from 10.1 seconds to 10.5 seconds, or an increase of 0.4 seconds.

Project Timeline and Outreach

- SDOT currently coordinating with Union Pacific on changes. No progress can be made until both parties are in concurrence.
- Once UP approves of concept, SDOT can initiate outreach with Port, Freight Board, and local stakeholders.
- Outreach and design anticipated through mid 2027
- Construction anticipated in late 2027
 - SDOT signs, striping, signal work: ~one day – minor traffic control
 - SDOT ramp improvements: ~one week – moderate traffic control
 - UP work on railroad crossings: TBD

Questions?



Contact

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<https://www.seattle.gov/transportation/projects-and-programs/safety-first/vision-zero>