



Rainier Avenue South Hazard Mitigation Project

Property Acquisition Acceptance Ordinance

Our vision, mission, and core values

Vision: Seattle is a thriving equitable community powered by dependable transportation

Mission: to deliver a transportation system that provides safe and affordable access to places and opportunities

Committed to **6 core values:**

- Equity
- Safety
- Mobility
- Sustainability
- Livability
- Excellence

Presentation overview

- Background
- Project area
- Existing conditions
- Proposal
- Project Costs
- Project Duration
- Update

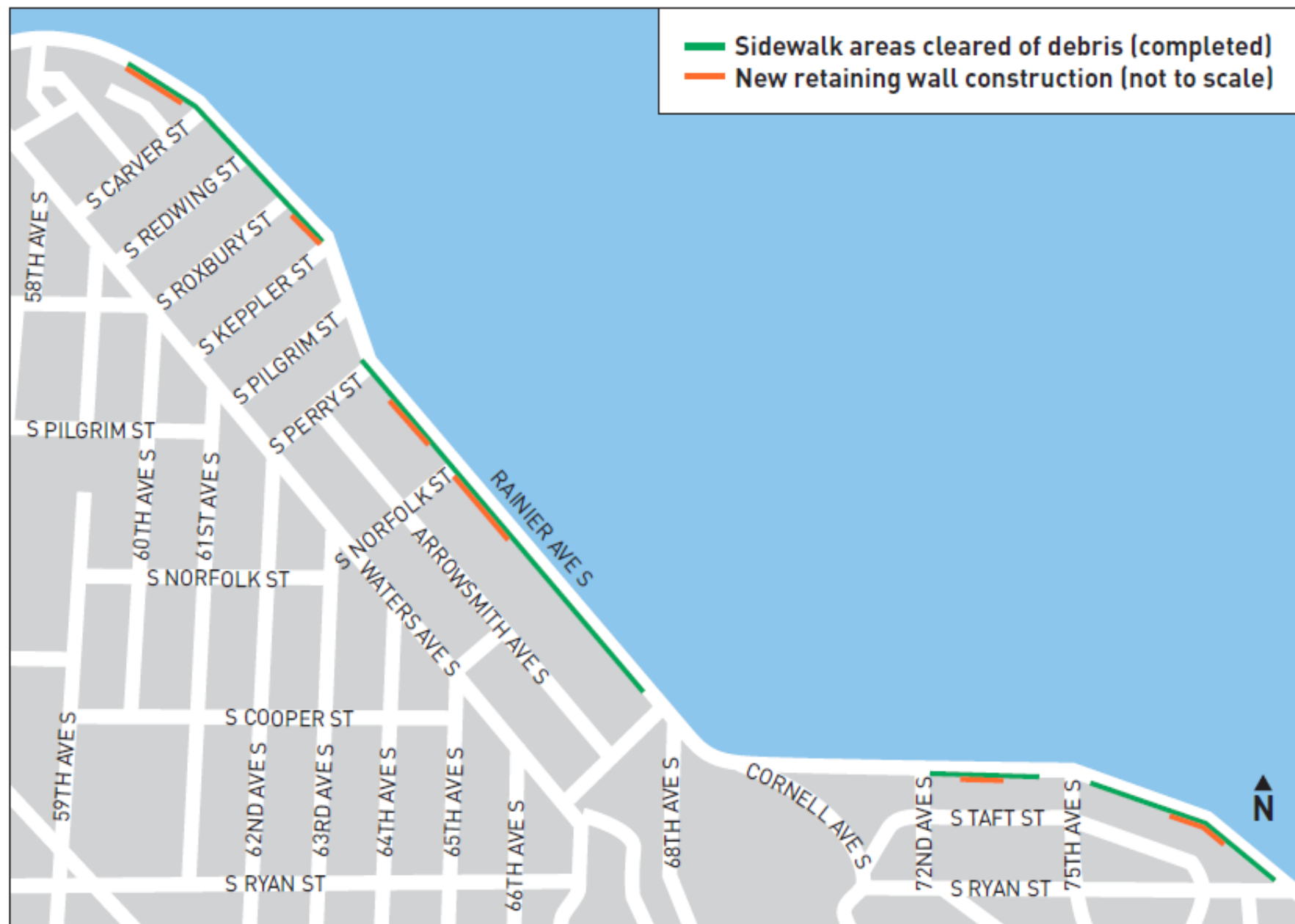
Background

- History of landslides along Rainer Avenue South from South Carver Street to the South City Limits near South Ryan Street
- Geotechnical survey identified steep slope to be a moderate to high risk landslide hazard
- High probability of future recurrence
- Landslides block sidewalk and create hazardous conditions for all modes of transportation along this corridor
- Ongoing clean up and debris detention efforts have been implemented by SDOT through the years
- Funding now available for a more comprehensive effort to keep debris from impacting the public right of way at locations with high probability of occurrence



Project Area

- This legislation accepts 11 catchment wall easements obtained from private property owners and places them under SDOT's jurisdiction
- Easements acquired for the purpose of protecting this Rainier Avenue South corridor from superficial surface erosion of the adjacent slopes
- Consideration for the property rights were for mutual benefit



Existing Conditions

Debris flow from adjacent slope on sidewalk



Unstable slope areas



Proposal

Soldier Pile Catchment Wall:

- Retains larger volume of debris
- Suitable for steeper sloped areas
- More expensive



Gravity Walls:

- More cost effective than soldier pile walls
- Good for moderate slope area
- Modular and simpler to construct

Project Costs

Capital Improvement Project (CIP) – Hazard Mitigation Program – Landslide Mitigation Projects

Total Project budget is \$3.527 M

Funding Sources:

- REET2 Capital Fund
- Street Use Cost Center
- Gas Tax

Project Duration

Project Schedule

- Gravity walls – 5-week construction duration
- Soldier pile containment wall – 15-week construction duration



Update

- Project construction has started
- Project completion anticipated by mid-summer 2020

Questions?

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<http://www.seattle.gov/transportation/rainierhazardmitigation>

www.seattle.gov/transportation

