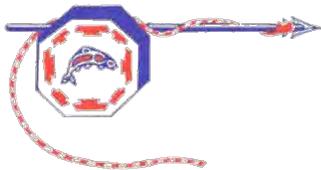


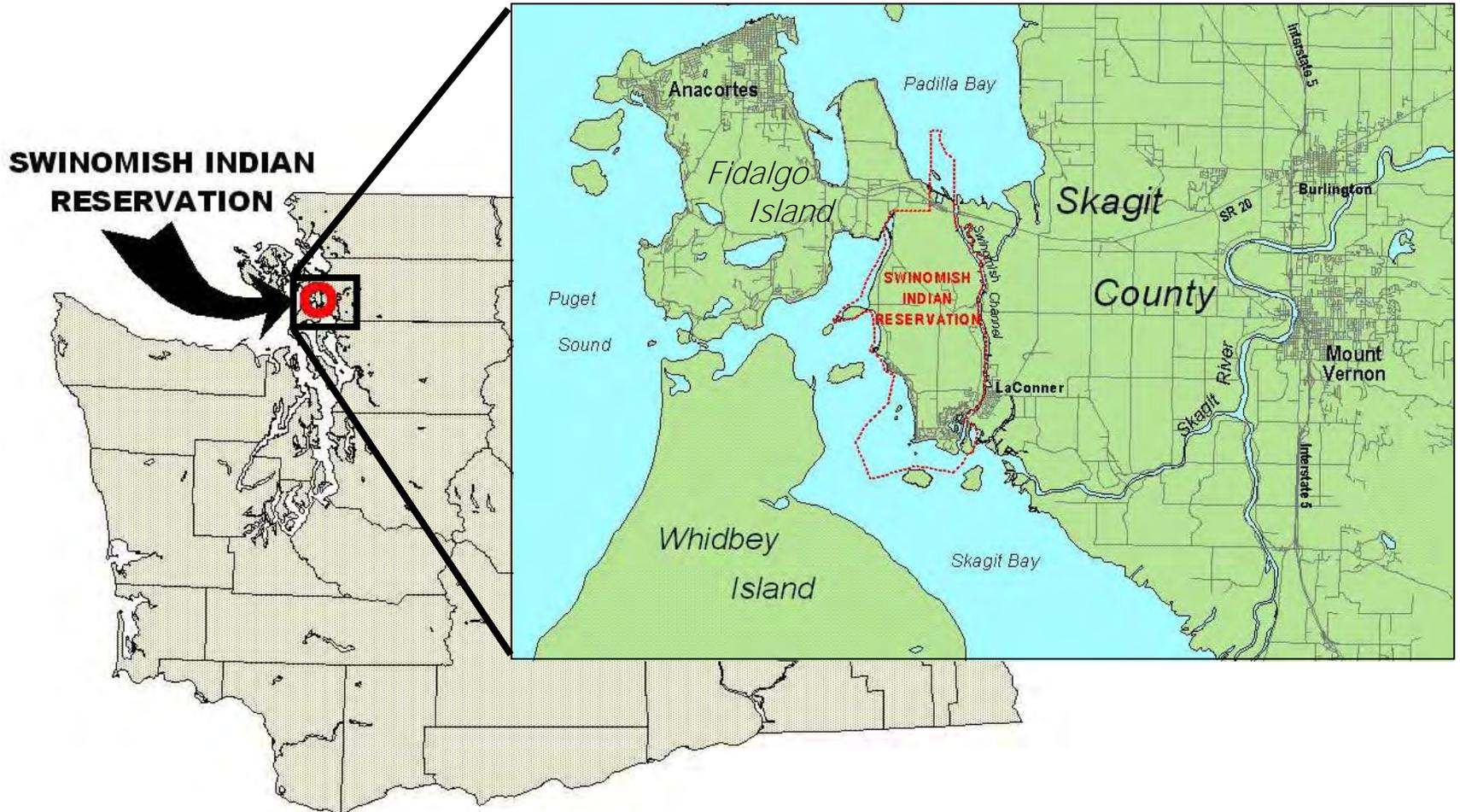
2016 Tribal/State Transportation Conference
September 28, 2016 – Suquamish, WA
Session 3, Breakout 1 – Roundabouts in Indian Country

Regional Partnerships for Safety: Swinomish SR20 Project



**Ed Knight, AICP, Planning Director
Swinomish Indian Tribal Community**

Location of Swinomish Indian Reservation



Swinomish Indian Reservation, north end – 1919



Image courtesy of Swinomish Tribal Archives

Regional Significance of SR20 at Swinomish Reservation

- Primary highway connecting Fidalgo & Whidbey Islands to mainland
- Sole access to Tribal enterprises (casino, lodge, gas station, RV park)
- Nexus of 3 regional trails (including US10 designated bike route)
- Access to ferry terminals, refineries, Whidbey NAS, combined island population of ~45,000
- Gateway to San Juan Islands, Vancouver Island
- Approx. 33,000 vehicles per day

Swinomish Indian Reservation, north end – 1970's



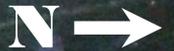
South span
SR20 bridge

SR 20

Development
Site

Drawbridge

Swinomish Channel



SR 20 Interchange Redesign – 1999

Replace dangerous crossing with new interchanges east & west
\$1.9 million project (2001)

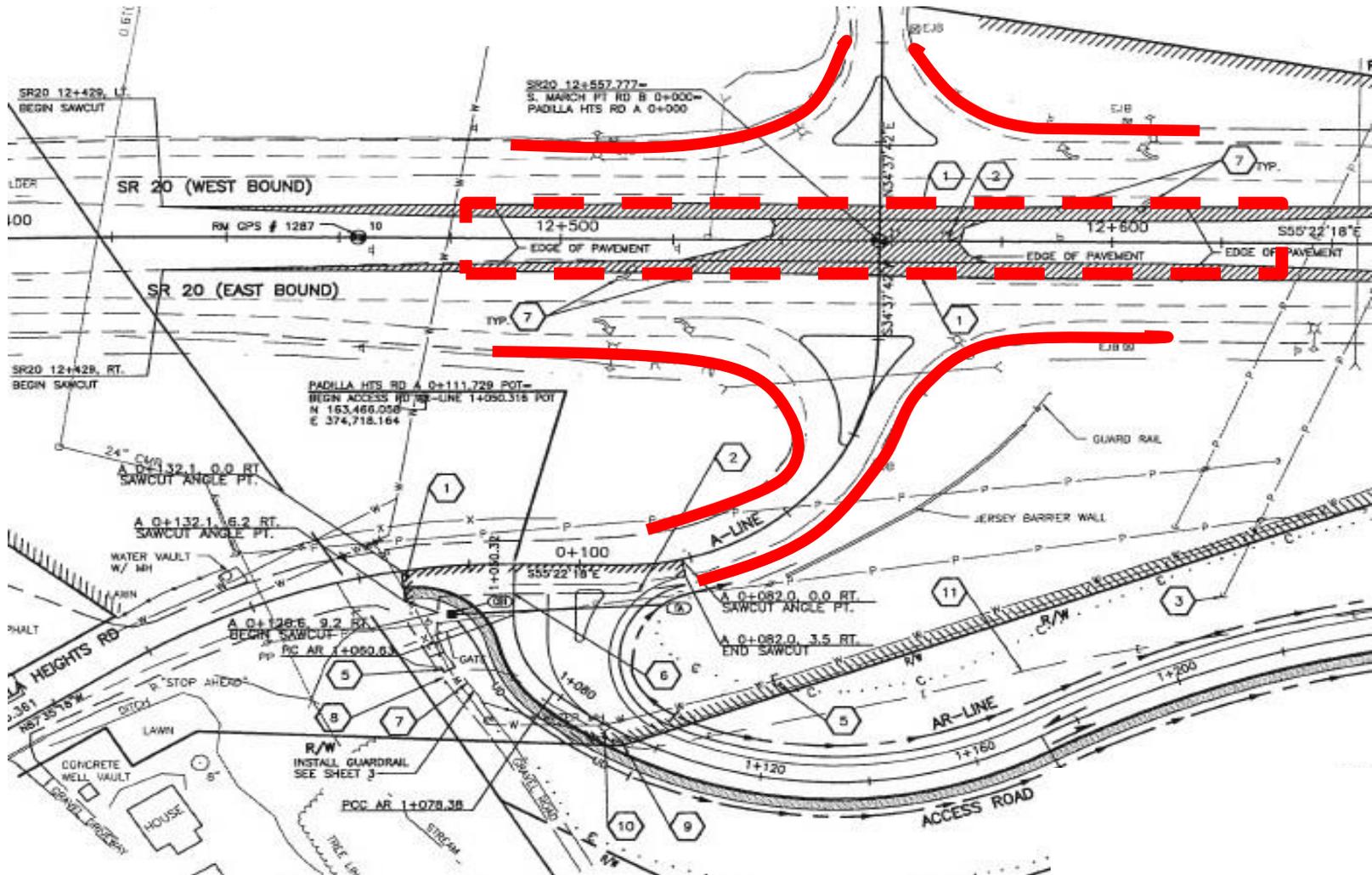


Image courtesy of Swinomish Planning Dept.

Swinomish Indian Reservation, north end – 2005

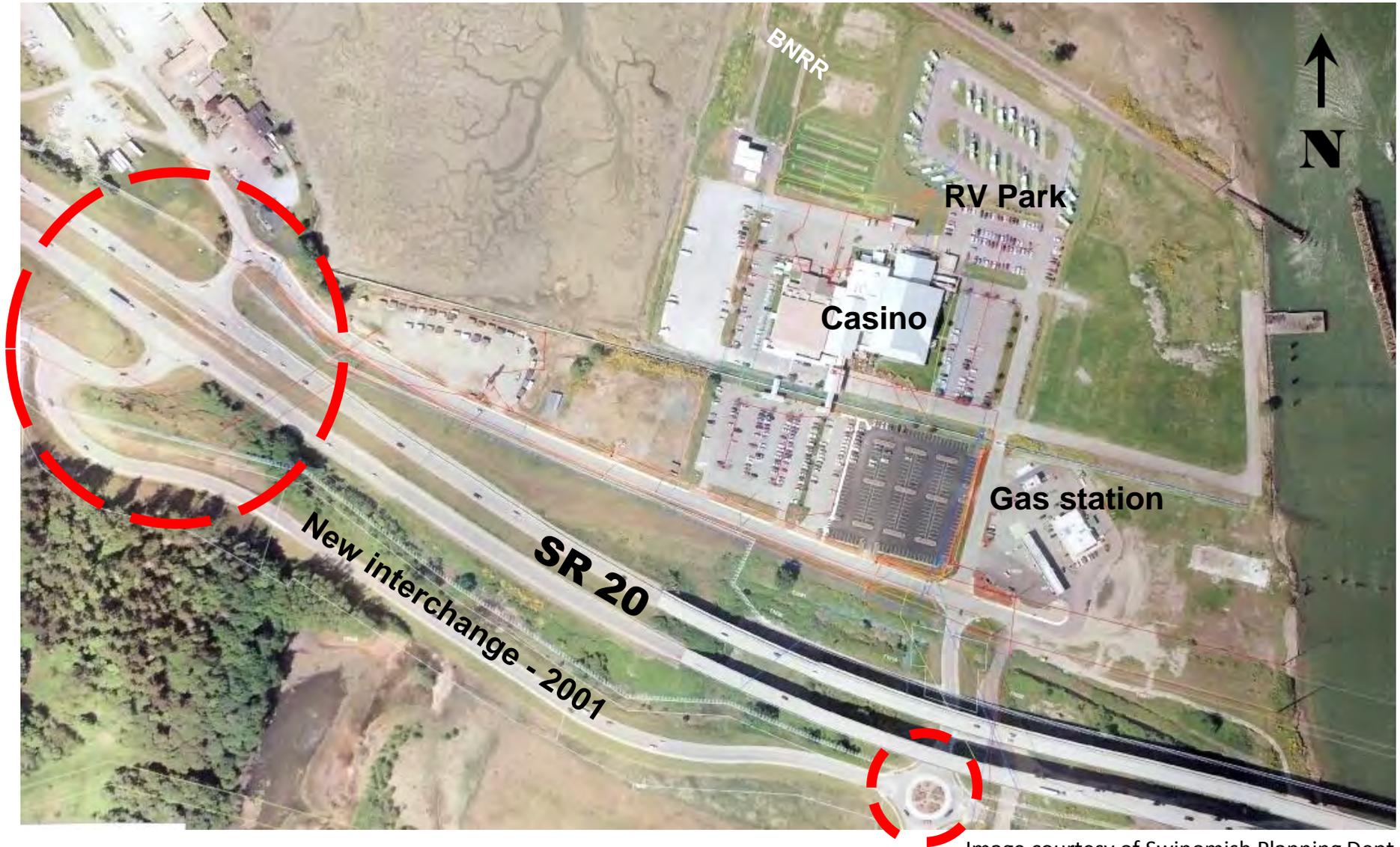


Image courtesy of Swinomish Planning Dept.

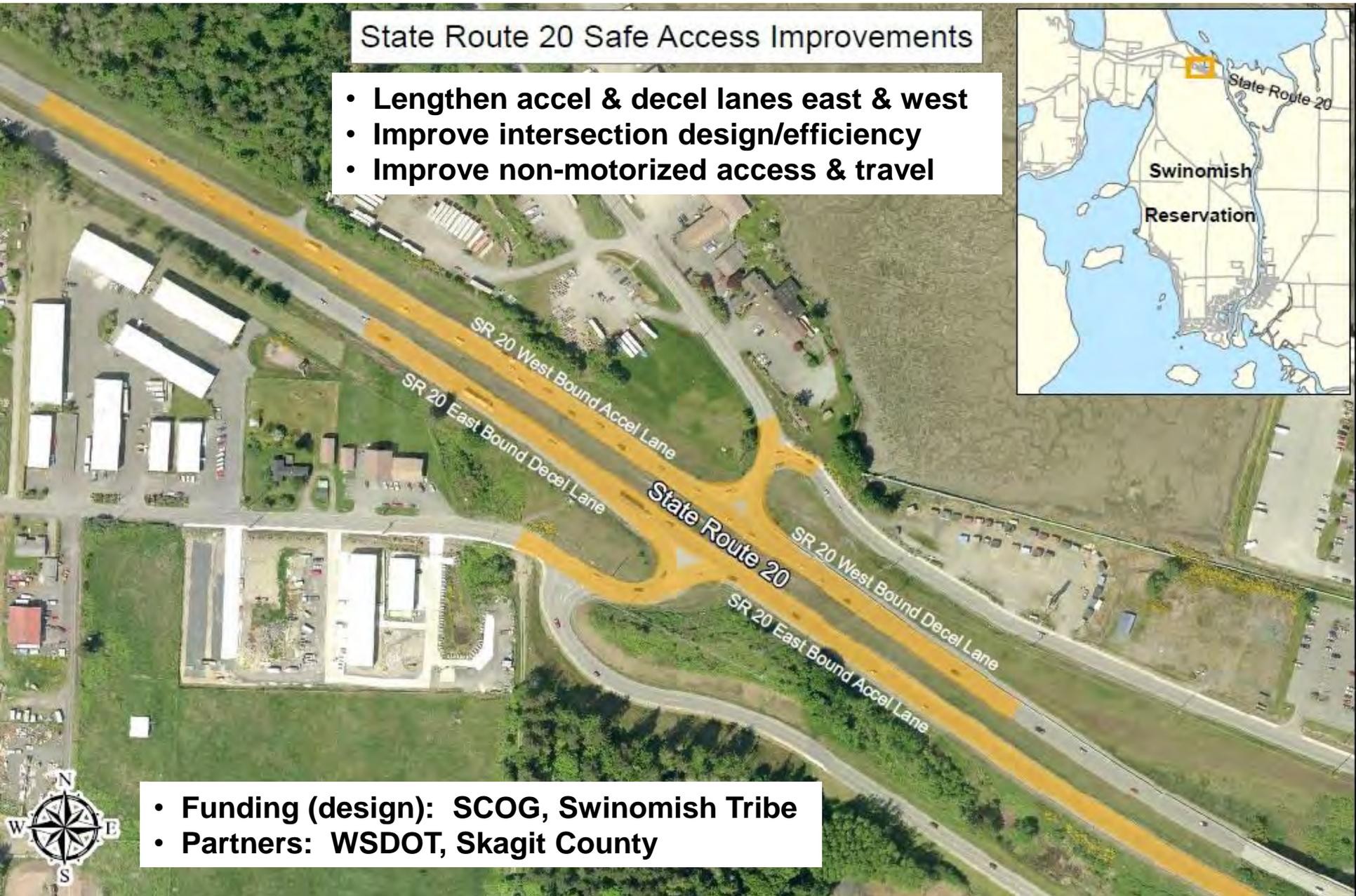
Swinomish Indian Reservation, north end – 2012



Image courtesy of Swinomish Planning Dept.

State Route 20 Safe Access Improvements

- Lengthen accel & decel lanes east & west
- Improve intersection design/efficiency
- Improve non-motorized access & travel



- Funding (design): SCOG, Swinomish Tribe
- Partners: WSDOT, Skagit County

SR 20 Safe Access Improvements Design Challenges

- Steep topography, multiple grades
- Roundabout elevation, intersection legs
- Design speeds
- Complex, tight right-of-way
- Utility impacts (powerlines, water)
- Stormwater control

SR 20 Safe Access Improvements - 2014 Design Concept, Phase 1 – Eastbound

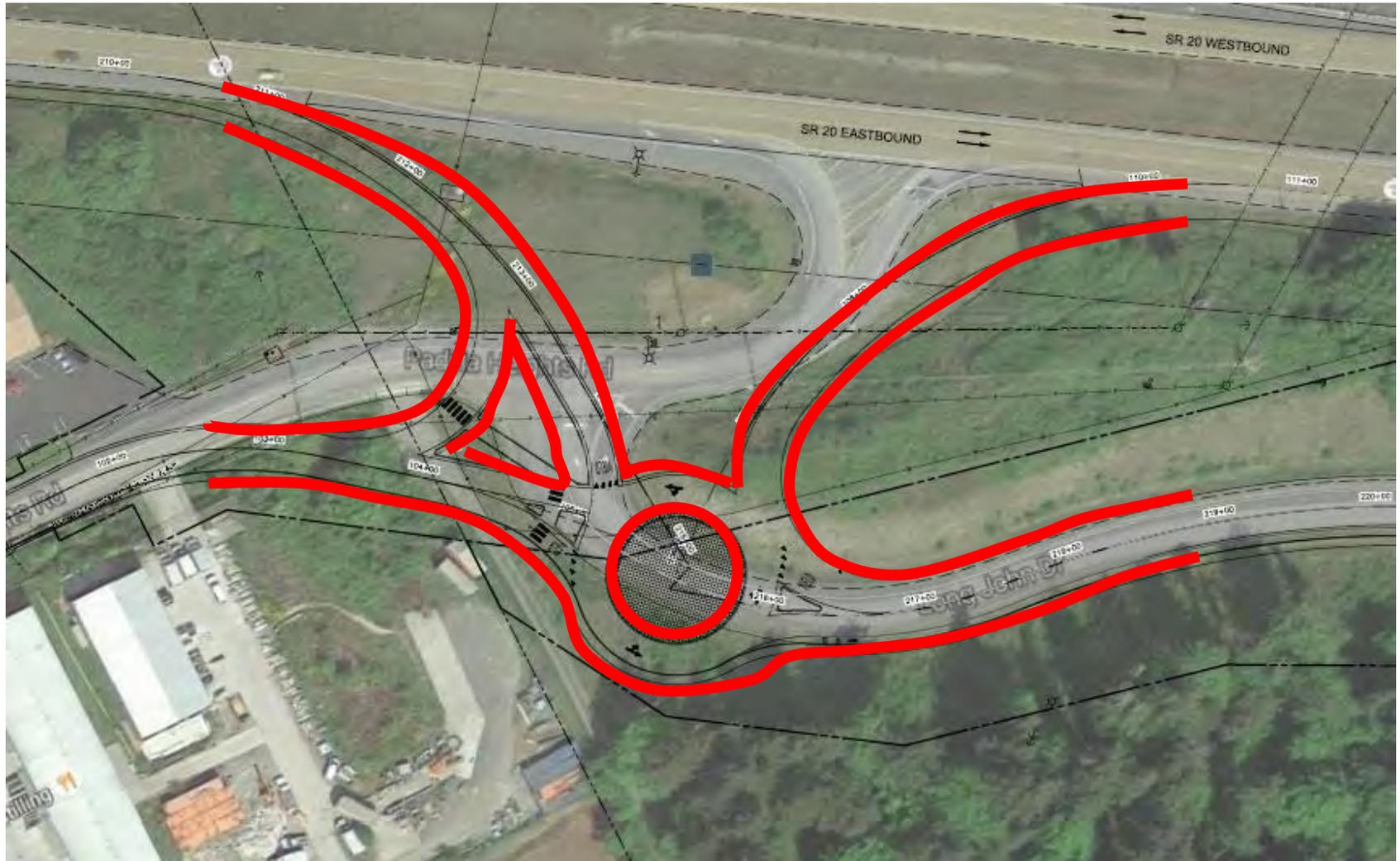


Image courtesy of Swinomish Planning Dept.

SR 20 Safe Access Improvements Phase 1 – Eastbound

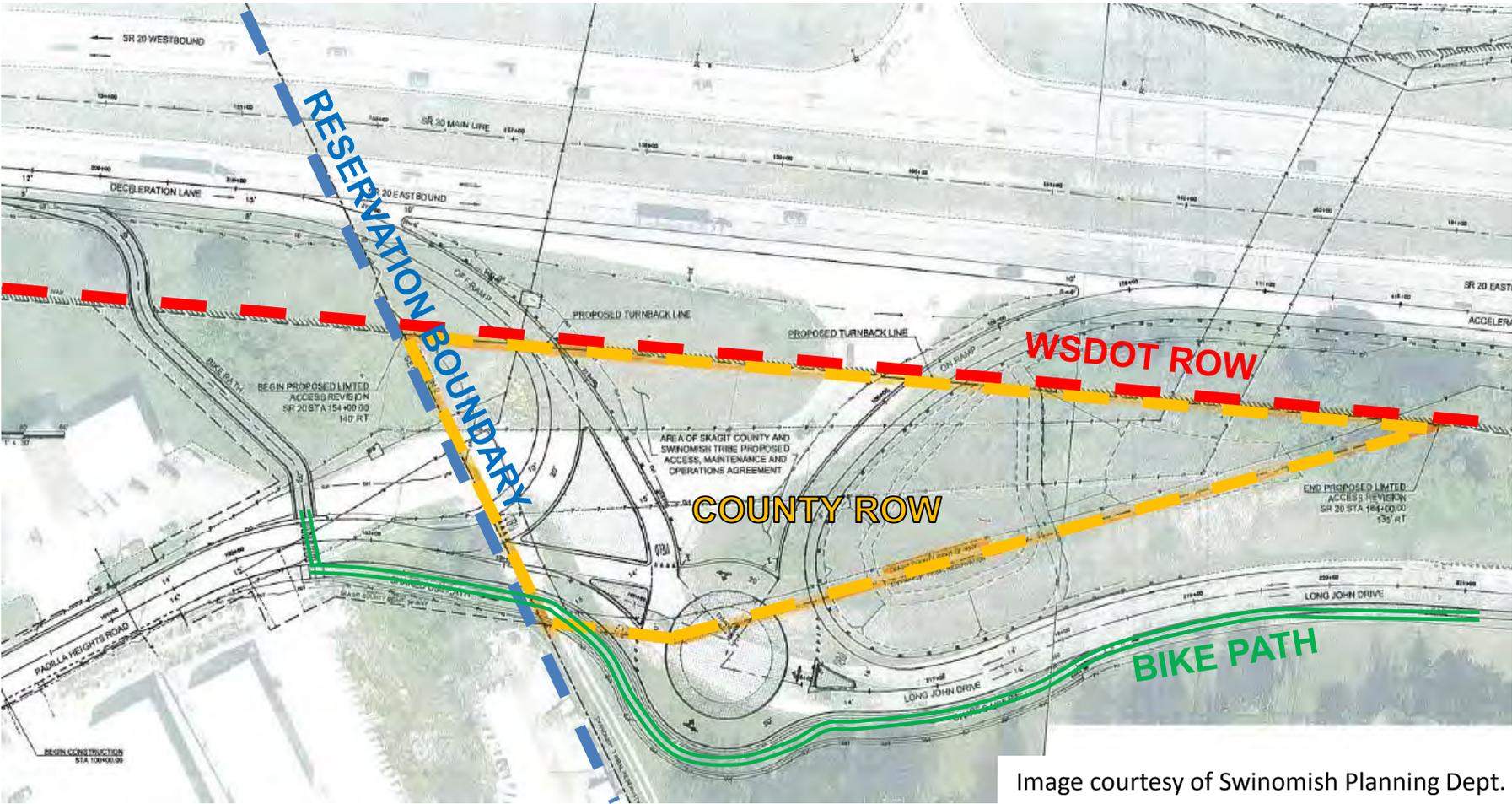


Image courtesy of Swinomish Planning Dept.

Regional Partnerships for Safety:
Swinomish SR20 Project

Thank You