



PIONEER HIGHWAY/FIR ISLAND ROAD ROUNDBOUT

Skagit County, WA

PROJECT SUMMARY

Skagit County received a federal grant as part of FHWA's Quick Response Safety Program to construct a roundabout at Pioneer Highway and Fir Island Road with the aim of reducing fatal and serious injury collisions. The grant stipulated that all construction funding must be obligated within six months. Reid Middleton worked closely with the County to fully design and produce construction documents within this accelerated schedule.

EXISTING CONDITIONS

- 2 closely-spaced, poorly performing intersections
- 8 left-turn collisions resulting in 9 injuries in the 3 years prior to construction
- Primary route to the south end of Fir Island serving local industry
- Over-size over-weight (OSOW) detour route for a portion of Interstate 5
- Major route to Skagit County Tulip Festival, drawing thousands of visitors annually

PROPOSED CONFIGURATION

- Intersections combined to manage traffic safely and efficiently
- 5-leg, single lane roundabout
- 175' x 231' oval inscribed circle diameter (ICD)
- Designed for a WB-67
- Accommodates a 125' pole truck and a 75-ton OSOW lowboy
- Gateway for Skagit County and Tulip Festival



AWARDS

2015 AWP project of the Year Award in Transportation
2015 ACEC Silver Award for Social, Economic, & Sustainable Design Considerations

Reid Middleton