

Union Hill Road Widening

Redmond, WA

Owner: City of Redmond

Description: The area surrounding Union Hill Road and the Union Hill Road/Avondale Road intersection has developed rapidly and continues to grow. The transformation of the land use from agricultural and light industrial to retail and business park use has generated additional traffic loading. Union Hill Road also serves as a key route to the Novelty Hill Urban Planned Developments to the east. The primary objective of the project was to increase the capacity, level of service, and safety for all transportation modes on Union Hill Road between Avondale Road and 178th Place NE, and for the intersection of Avondale Road and Union Hill Road. The secondary objective was to retain the character of both corridors by minimizing impacts to the surrounding environment.

INCA completed the design in two phases. The first phase of this project included updating the previous design reports and reviewing alternative channelization for the intersection along with preliminary design. The second phase involved the design of the preferred channelization alternative through final PS&E including: modifying channelization of Union Hill Road and Avondale Road at the intersection, including bike lanes on Union Hill Road; improving roadway illumination; providing intersection pavement upgrades at Avondale Road-Union Hill Road; underground overhead utilities; working with property owners to assist the City with right-of-way and easement acquisitions; coordinating with Transportation Improvement Board (TIB), King County and WSDOT; and working with property owners adjacent to the roadway to ensure the community's concerns are identified.

INCA provided these elements: project management; survey data collection/mapping; geotechnical/pavement data collection and analysis; utility coordination; traffic analysis; pavement alternatives analysis; conceptual corridor design; design report update; preliminary roadway design; SEPA documentation; coordination with property owners, community and other agencies; and optional services.

