

US 6 Post Boulevard Roundabout

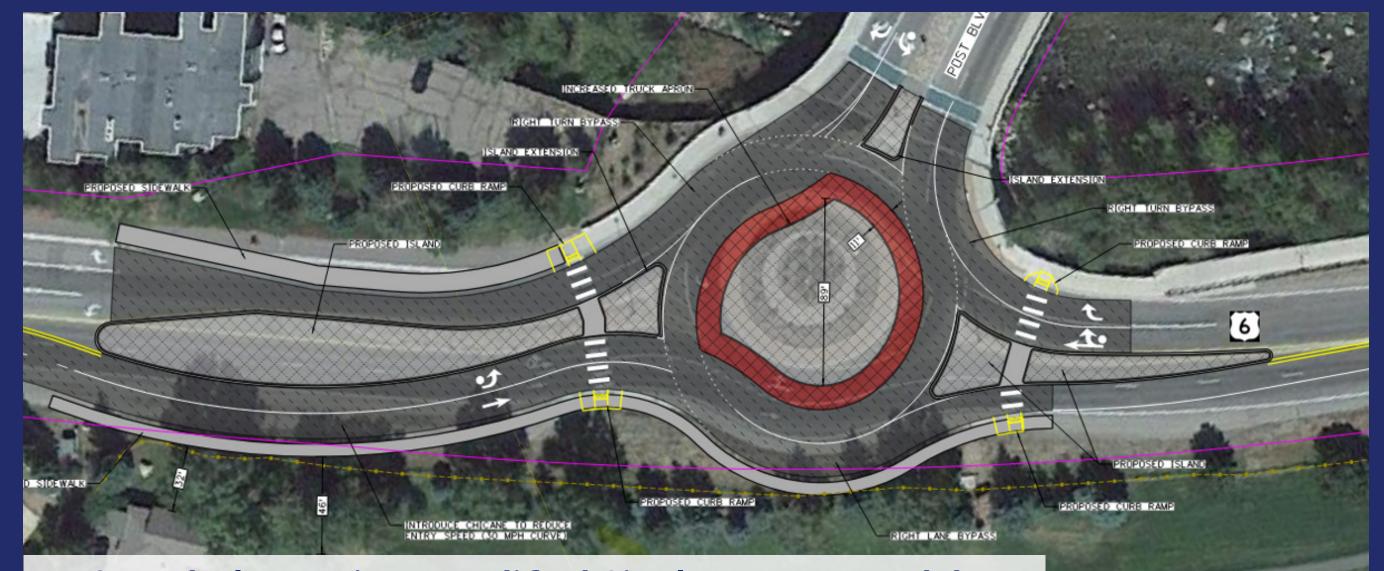
Location: Avon, Colorado Client: CDOT Region 3

Entrant: Stolfus & Associates (Greenwood Village, CO)

In Avon, Colorado, the US 6 & Post Boulevard intersection was a confusing and inefficient gateway for drivers, pedestrians, and cyclists. CDOT Region 3 selected Stolfus & Associates to lead its transformation. Through a data-driven alternatives evaluation and CDOT's Context Sensitive Solutions framework, Stolfus designed a modified single-lane roundabout that improved safety, simplified operations, and enhanced multimodal access within a compact footprint. Delivered on time and \$1.1 million under budget, the \$4.3 million project stands as a model for mountain corridor communities proving that thoughtful single-lane roundabout design can solve complex safety challenges while saving public funds and supporting long-term sustainability.

Using Geometry to Positively Impact Safety

Built in the early 2000s, the roundabout developed safety issues as traffic volumes increased. A modified single-lane design addressed these concerns with geometric corrections that improved eastbound entry deflection, reducing fastest-path speeds, and simplified lane assignments to minimize confusion and conflict points.



Preferred Alternative- Modified Single-Lane Roundabout



Enhancing Community by Accommodating All Users

As a tourist hub and commuter corridor, Avon depends on safe multimodal facilities. The design features single-lane exits and fewer crossings to reduce risks, plus ADA-compliant ramps and RRFBs to improve access to the north-side multimodal trail.



Context Sensitive Design in Constrained Corridors

The compact design fit between the Eagle River Bridge, and an adjacent golf course where right-of-way and vertical flexibility were restricted. Solutions included removing the east leg pedestrian crossing, retrofitting grades to avoid bridge reconstruction, snowplow-friendly infrastructure, and truck aprons that serve large vehicles while calming traffic.

