Avon Rd Roundabouts

Directions if you choose to drive: enter I-70 Westbound at the Vail West Interchange (Exit 173). Follow freeway to Exit 167, Avon. Please note that between Exits 173 and 167, the freeway has sharp curves and a posted speed limit of 60 miles per hour . . . so, please be safe! Exit to the right and at the bottom of the exit ramp you will enter the first of five roundabouts on the Avon Road tour.

Roundabout No. 1

WB I-70 Ramps

This multi-lane roundabout is a tear-drop design with a 150-foot diameter and capacity of 4,200 vehicles per hour. There are four-legs approaching the intersection. The south leg is the Avon Road undercrossing of Interstate 70. The north leg is Nottingham Drive that connects residential areas north of the freeway to the Town of Avon. This roundabout has been in operation since 1997.

Roundabout No. 2

EB I-70 Ramps

This multi-lane roundabout is a tear-drop design with a 150-foot diameter and capacity of 5,800 vehicles per hour. There are four-legs approaching the intersection. The north leg is the Avon Road undercrossing of Interstate 70. The south leg is also Avon Road and serves as the gateway to the Town of Avon. On the ramp legs, there are separate right-turn lanes for traffic exiting or entering Interstate 70. This roundabout has been in operation since 1997.

Roundabout No. 3

Beaver Creek Rd

This multi-lane roundabout is an oval design with 75-foot-radius tips and 200-foot-radius sides, has a capacity of 6,000 vehicles per hour. The roundabout replaced a signalized intersection in 1997. Of the five roundabouts along Avon Road, the Beaver Creek Road intersection is the largest.

Roundabout No. 4

Benchmark Rd

Built on a sharp crest vertical curve, a 150-foot-diameter raindrop-style roundabout at Benchmark Road prevents circulation around its low side. If left open to full circulation, a five-percent adverse cross slope on the low side would be hazardous to trucks. Drivers of fire and police vehicles will remotely actuate a lift-gate across a passage through the tip of the central island. With two-lane entries, the roundabout has a capacity of 4,300 vehicles per hour.

Roundabout No. 5

SH-6

This multi-lane roundabout serves four legs including the entrance to the Beaver Creek Ski Resort. It has a 150-foot diameter and a capacity of 4,900 vehicles per hour. It opened to traffic in 1997.
Post Road Roundabouts

Directions if you choose to drive: enter I-70 Westbound at the Vail West Interchange (Exit 173). Follow freeway to Exit 168, William J Post Blvd. Please note that between Exits 173 and 168, the freeway has sharp curves and a posted speed limit of 60 miles per hour . . . so, please be safe! Exit to the right and at the bottom of the exit ramp you will enter the first of five roundabouts on the Post Road tour.

The roundabouts along William J Post Blvd opened to traffic in Spring 2003 with the opening of the Wal*Mart and Home Depot stores. These photos are construction pictures taken in December 2002 prior to the opening of the roadway and interchange with Interstate 70.

Notes
All mapping is not to scale. Some mapping provided by maps.google.com.
This flyer was produced by Robert Hazlett, P.E. of Highlands Ranch, Colorado (robhaz@comcast.net).
Pictures are courtesy of Phil Demosthenes and Ed Waddel.
Additional information about the Avon Rd roundabouts may be found at the Town of Avon, Colorado website at www.avon.org.
Enjoy your tour and come back to Colorado often! Thank you for participating in the National Roundabout Conference • Vail, Colorado • May 22-25, 2005