

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.

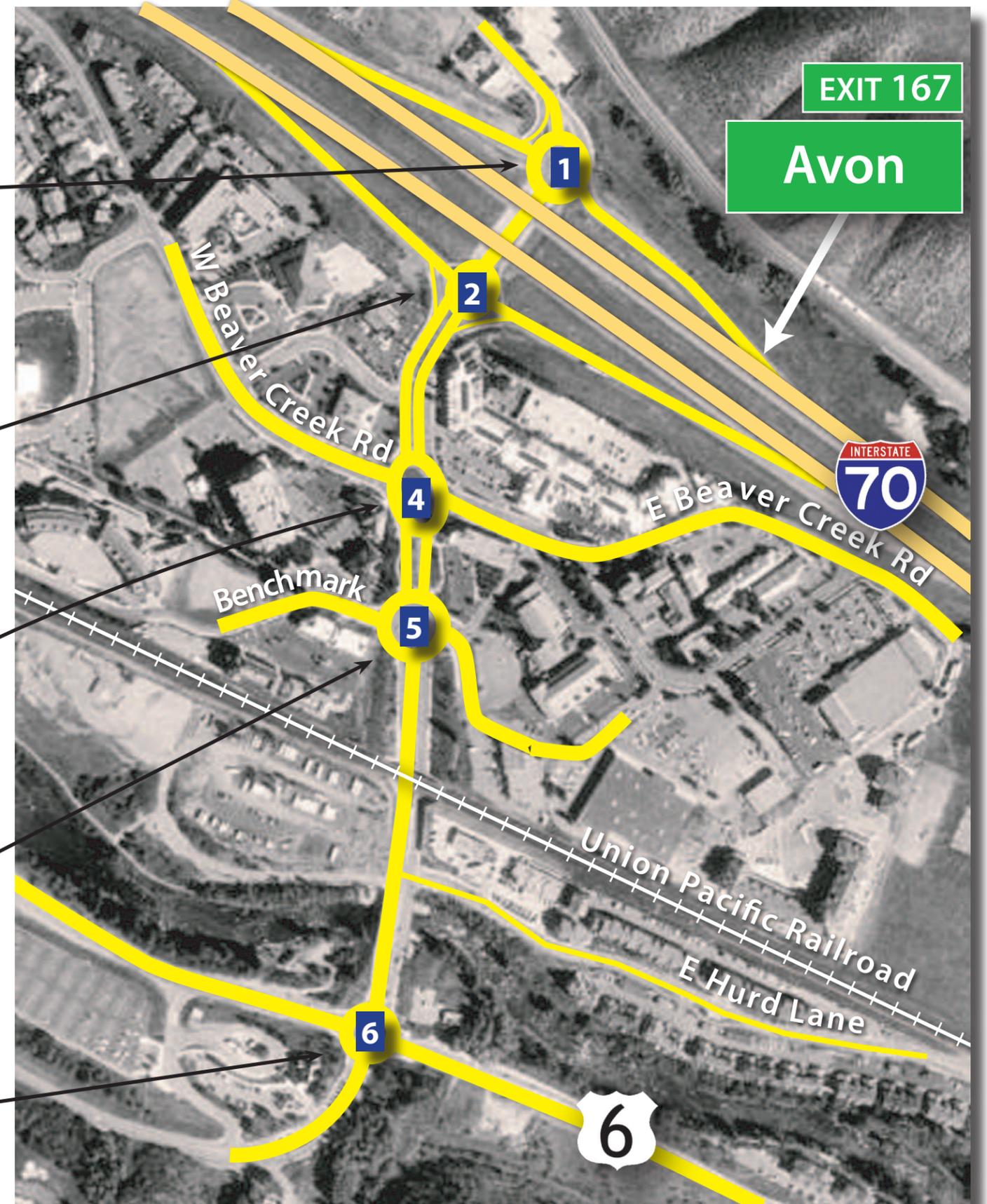


Roundabout No. 3
Beaver Creek Rd
 This multi-lane roundabout is an oval design with 75-foot-radius tips and 200-foot-radius sides, has a capacity of 6,000 vehicles per hour. The roundabout replaced a signalized intersection in 1997. Of the five roundabouts along Avon Road, the Beaver Creek Road intersection 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 Resourt. 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.



- Roundabout No. 1
WB I-70 Ramps
- Roundabout No. 2
EB I-70 Ramps
- Roundabout No. 3
Fawcett Rd
- Roundabout No. 4
Yoder Ave
- Roundabout No. 5
SH-6

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).

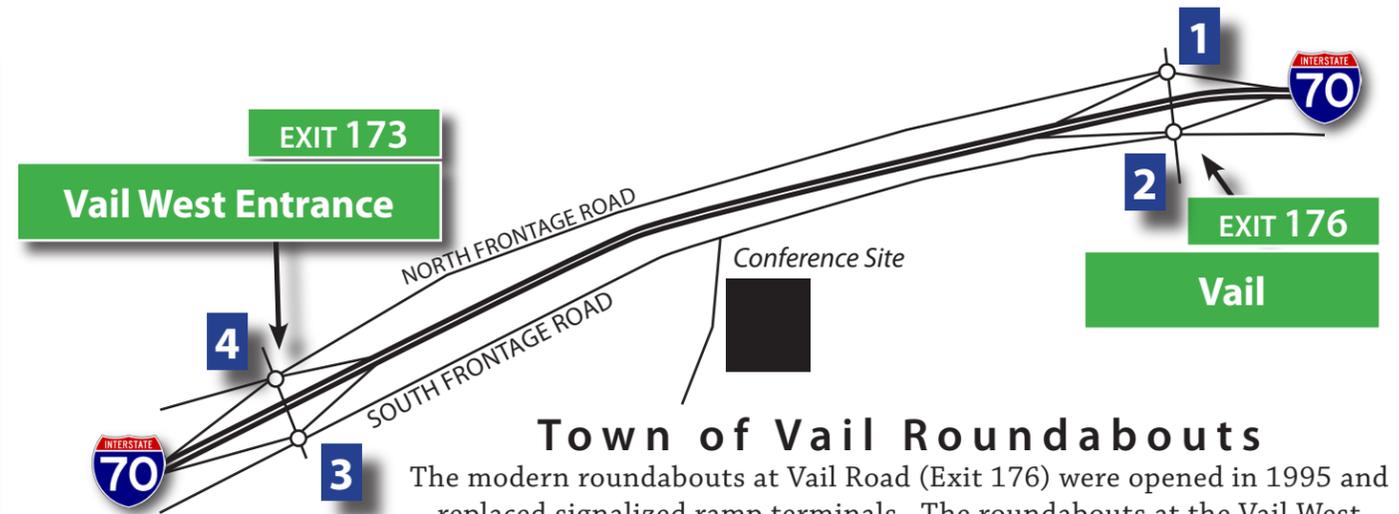
Pictures are courtesy of Phil Demosthenes and Ed Waddel.

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

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.

guide to the valley of the roundabouts



Town of Vail Roundabouts

The modern roundabouts at Vail Road (Exit 176) were opened in 1995 and replaced signalized ramp terminals. The roundabouts at the Vail West Entrance (Exit 173, Chamonix Rd) were opened in 1997.

Roundabout No. 1

WB I-70 Ramps at Vail Rd

The five-leg roundabout has an inscribed circle diameter of 120 feet and a capacity of 2,700 vehicles per hour.



Roundabout No. 2

EB I-70 Ramps at Vail Rd/South Frontage Rd

The six-leg south roundabout has an inscribed circle diameter of 200 feet and a capacity of 5,200 vehicles per hour.



Roundabout No. 3

WB I-70 Ramps at Chamonix Rd

The north roundabout serves six legs, including the North Frontage Road for I-70, and has a capacity of 3,700 vehicles per hour with an inscribed circle diameter of 150 feet.



Roundabout No. 4

EB I-70 Ramps at Chamonix Rd

The south roundabout also serves six legs, including the South Frontage Road for I-70, and has a capacity of 3,300 vehicles per hour.

