



# COMING SOON



For More Information about the Holman Highway 68 Roundabout, construction or roundabouts in general visit:

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## PROJECT PARTNERS



# ABOUT ROUNDABOUTS

**What is a Roundabout?** Roundabouts are circular intersections in which all vehicles travel in a counter-clockwise direction. Compared with typical intersections that have signals or stop signs, roundabouts are safer, move more vehicles, are better for the environment and more aesthetically pleasing.

### ROUNDABOUT FEATURES:

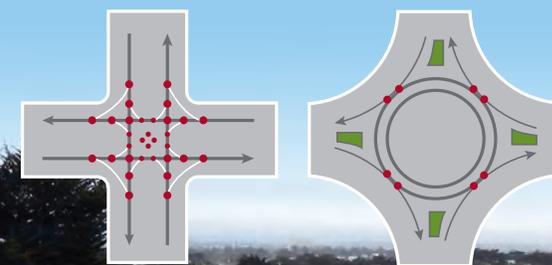
**Yield:** Traffic entering the roundabout must yield to vehicles already in the intersection

**One-Way:** Travel through a roundabout is one-way in a counterclockwise direction

**Curved Geometry:** The curvature of the roundabout and angles of entry points are designed to slow the speed of vehicles approaching and moving through the intersection

WITH ROUNDABOUTS, HEAD-ON AND HIGH-SPEED RIGHT ANGLE COLLISIONS ARE VIRTUALLY ELIMINATED.

- Potential Vehicle Conflict Point



Traditional Intersection

Roundabout



## ROUNDABOUT BENEFITS

**Safety.** Roundabouts save lives and have been shown to reduce fatal collisions by 90% and injury collisions by 75%. The reduction in crashes is attributed to slower speeds and reduced number of conflict points.

**Environment.** Fewer delays and less engine idling translate to decreased fuel consumption and cleaner air.

- Constructing roundabouts in place of traffic signals can reduce fuel consumption by about 30%.
- Studies show that replacing traffic signals and stop signs with roundabouts reduce carbon monoxide, nitrous oxide, and carbon dioxide emissions by 30-40%.

**Traffic Flow.** By yielding at the entry rather than stopping and waiting for a green light, traffic delay is reduced. A recent study by the Insurance Institute for Highway Safety found that roundabouts reduce vehicle delay by up to 62-74%.

**Background** The intersection of the Highway 68 and Highway 1 ramps is a gateway to Pebble Beach, Pacific Grove, and Monterey. Many of us have experienced traffic congestion and delays at this intersection, especially during peak commute hours. To help solve the problem, the City of Monterey is working closely with Pebble Beach Company, Transportation Agency for Monterey County and other agencies and community partners to design and construct an innovative new project: the Holman Highway 68 Roundabout. This will be the first highway roundabout on the Monterey Peninsula and will dramatically improve access to the Community Hospital and Pebble Beach.

**Why a Roundabout on Holman Highway 68?**  
 This intersection has been studied for decades. Most recently, in 2011-12, the City of Monterey conducted a roundabout feasibility study; and in 2013, an Intersection Control Evaluation was completed. The studies determined that that a roundabout is not only feasible, but is the best project design to keep traffic moving safely—now and in the future.

**Truck Apron**  
 The roundabout apron, which is the area between the roadway and the central island, provides a greater turning radius for buses, large trucks and emergency vehicles to make it around the intersection. This is an important feature because the project is located at the intersection of two truck routes and provides direct access to the Community Hospital. The truck apron is composed of different material or is a different color to distinguish it from the main roadway. Small vehicles may not drive in the apron.



Holman Hwy. 68 to Pacific Grove

Off-ramp from Southbound Hwy. 1

On- & off-ramps from Northbound Hwy. 1

**Project Cost**  
 The project cost is \$8.8 Million and is fully funded using a combination of state, regional and local funds. The project has received money from both the private and public sectors including: The Monterey Bay Unified Air Pollution Control District, Transportation Agency for Monterey County, City of Monterey, City of Pacific Grove County of Monterey, Caltrans and Pebble Beach Company.

**Splitter Islands**  
 Roundabouts are safer for pedestrians and bicyclists than traditional stop-controlled or signalized intersections because the travel speeds are lower and crossing distance is shorter. Splitter islands at the approach to the roundabout provide a refuge for pedestrians and enable crossing in one direction of traffic at a time.

**Pebble Beach Exit**  
 The project will make it easier to exit Pebble Beach safely from the Main Gate by slowing cross-traffic traveling downhill from the Holman Highway 68 Roundabout, improving visibility and shortening the crossing distance for those turning left out of the gate.

17-Mile Drive to Pebble Beach

**Wayfinding Signage**  
 Wayfinding signage is an important component of the Holman Highway 68 Roundabout and will help travelers navigate through the intersection to their desired destination.



On-ramp to Southbound Hwy. 1



**HOLMAN HIGHWAY**  
 ROUNDABOUT

**PROJECT GOALS**

Relieve existing and future traffic congestion

Improve safety

Improve emergency vehicle access to the Community Hospital

Reduce bypass traffic through the Skyline Forest Neighborhood

Improve access to Pebble Beach, Community Hospital and Carmel Hills Professional Center

Minimize impacts to Monterey Pine trees

Reduce emissions/ improve air quality