

TRAFFIC CIRCLES AND ROUNDABOUTS

Description

Elevated area in middle of intersection that provides circular, counterclockwise traffic flow.

Advantages

- Reduces Speeds
- Reduces left-turn accidents
- Can be visually attractive

Disadvantages

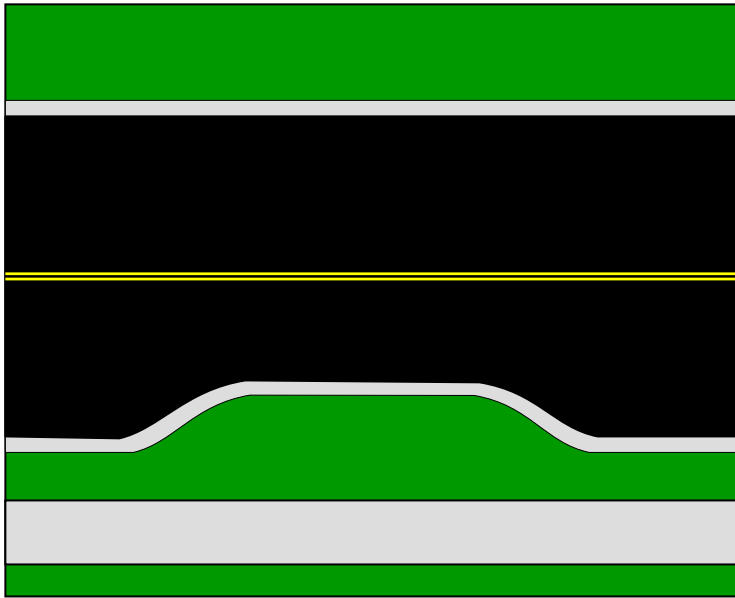
- May reduce on-street parking spaces
- May require additional right-of-way
- May impede movements of large emergency vehicles and buses

Estimated Costs

\$50,000 to \$100,000

Items affecting costs

- Drainage
- Landscaping / irrigation of circle
- Utilities
- Cross walk locations
- Existing roadway geometry
- Existing right-of-way



CHOKER OR BUMPOUT

Description

Physical constriction built at the curb side of the road to reduce the width of the travel lane.

Advantages

- Reduces Speeds
- Provides parking protection
- When placed at crosswalk locations, shortens the pedestrian crossing distance
- Can be visually attractive (offers opportunities for landscaping and textured pavement at crosswalk)

Disadvantages

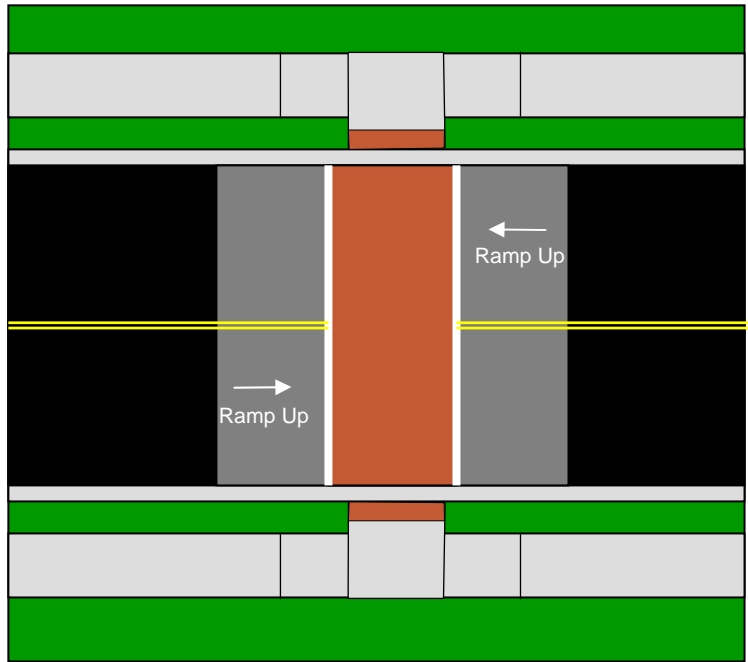
- Drainage problems
- Increased road maintenance costs
- Difficulties with street sweeping and snow plows

Estimated Costs

\$15,000 to \$20,000

Items affecting costs

- Ability to drain or tie into existing drainage system
- Conflict with driveways
- Surface material of crosswalk (plain asphalt, textured pavement, brick pavers, etc.)
- Need for additional right-of-way for handicap access ramps



RAISED CROSSWALK

Description

Raised hump in the roadway with a 10-foot flat top, extending across the road at right angles to the direction of traffic flow.

Advantages

- Reduces Speeds
- Improved visibility and safety for pedestrians
- With textured pavement, can be visually attractive

Disadvantages

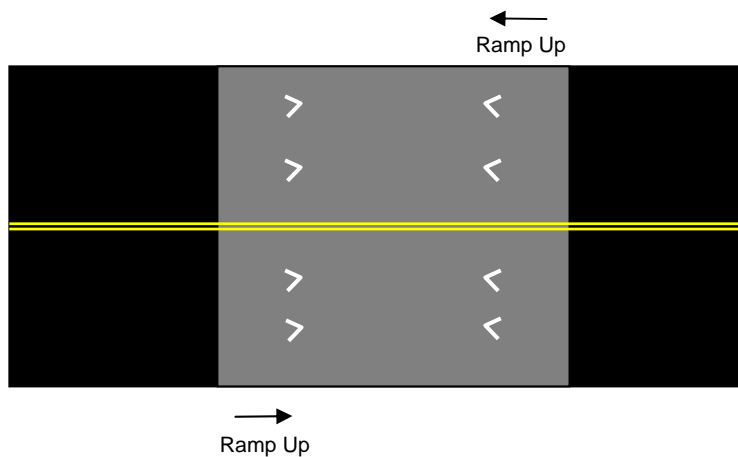
- Potential drainage problems
- May impede large emergency vehicle and bus movements
- Increased noise
- Increased road maintenance costs
- Potential damage by snow plows
- Potential need for additional right of way for handicap access ramps

Estimated Costs

\$10,000 to \$15,000

Items affecting costs

- Conflict with drainage structures and driveways
- Surface material (plain asphalt, textured pavement, brick pavers, etc.)
- Need for additional right-of-way for handicap access ramps
- Roadway width (length of crossing)



SPEED CUSHION

Description

Raised hump in the roadway with a parabolic top, extending across the road at right angles to the direction of traffic flow. Allows traffic to proceed at the speed limit, but impedes traffic moving faster than posted speed.

Advantages

- Reduces Speeds

Disadvantages

- Potential drainage problems
- May impede large emergency vehicle and bus movements
- Increased noise
- Increased road maintenance costs
- Potential damage by snow plows

Estimated Costs

\$5,000 to \$10,000

Items affecting costs

- Conflict with drainage structures and driveways
- Roadway width