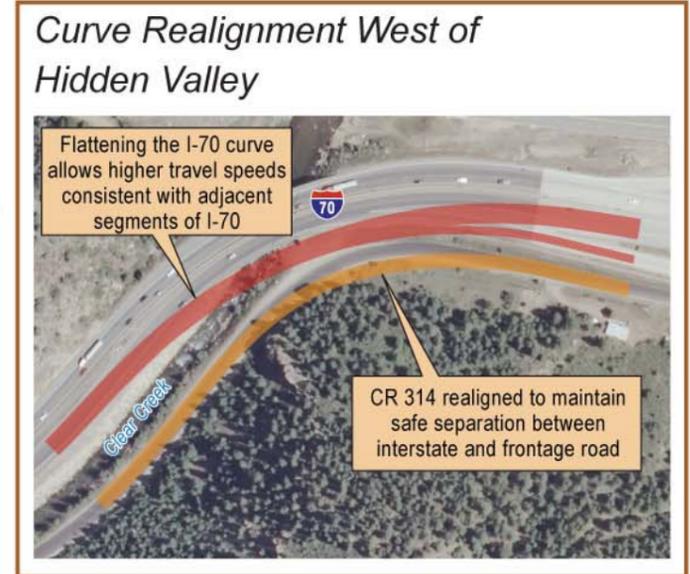
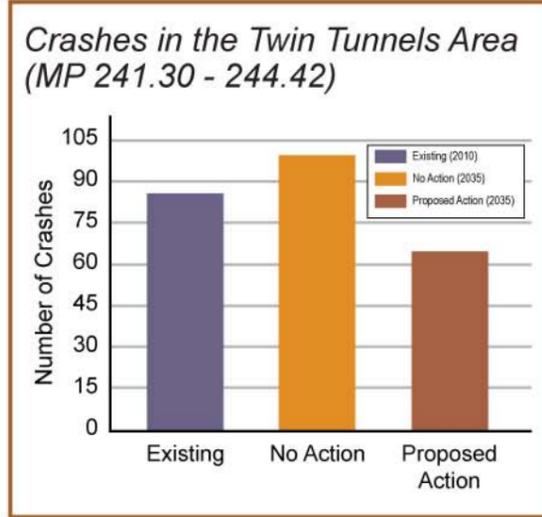


How the Proposed Action Meets the Purpose and Need

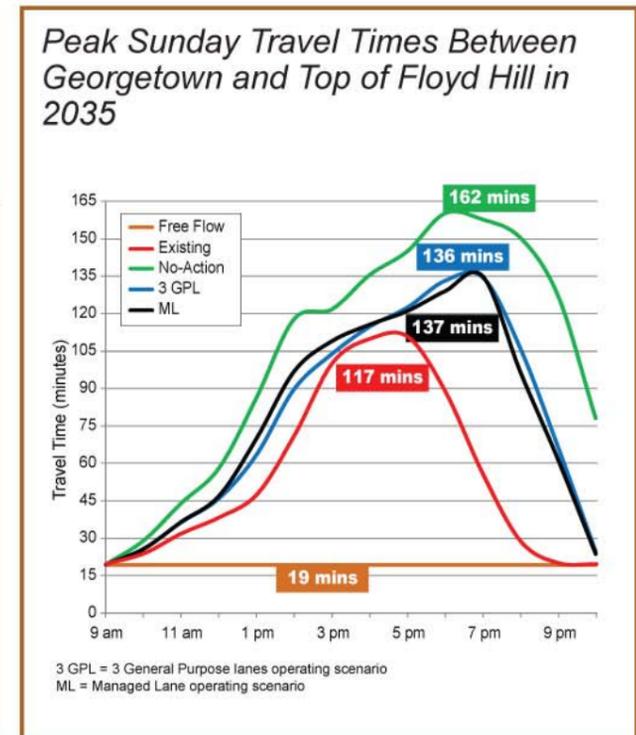
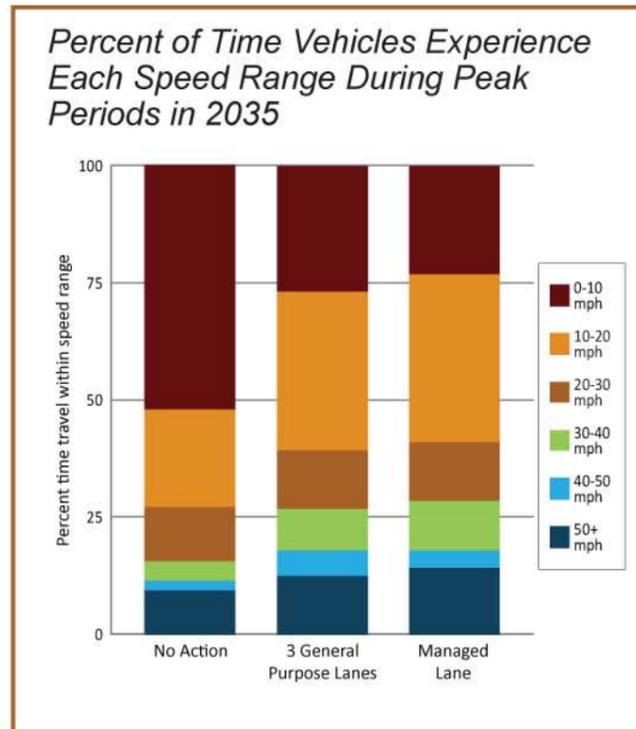
Safety Benefits

- Curve straightening west of Hidden Valley Interchange will reduce crashes 75 percent in this location
- Wider shoulder widths allow for emergency responders to pass, quicker response times, and room to move crashes from traffic
- Reduces real and perceived narrowness of tunnel bore that causes drivers to brake and contributes to rear end crashes
- Consistent design speed throughout project area reduces run-off-the-road crashes caused by motorists driving too fast for conditions
- Improvements would decrease crashes by 20% to 35% over 2035 No Action conditions

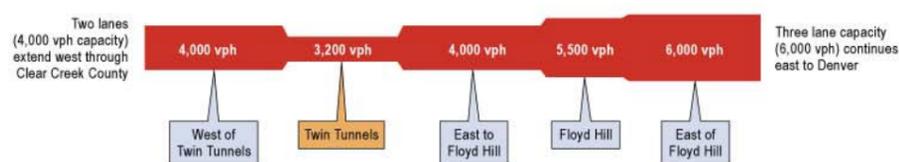


Mobility Benefits

- Revised geometry of curve west of Hidden Valley Interchange provides consistent driving speeds
- Third lane alleviates congestion and improves travel time
- Wider tunnel bore reduces perceived narrowing to eliminate bottleneck at the tunnel and to improve the driver experience
- Reduces peak 2035 Sunday travel times by nearly 1 hour over No Action
- Travel times nearly the same for Managed Lane and General Purpose Lane operating scenarios, but managed lane provides increased travel time reliability through the project area
- Occasional weekday congestion in 2035 under No Action
- Proposed Action would alleviate periods of congestion in 2035



Vehicle per Hour Capacity Existing and No Action Conditions



Vehicle per Hour Capacity Proposed Action

