

Project Purpose and Need

Project Purpose

The purpose of the I-270 corridor improvements project is to implement transportation solutions which modernize the I-270 corridor to accommodate transportation demands.

Project Needs

- Improve safety by reducing the rate of vehicle crashes
- Improve travel time reliability and reduce delays
- Update obsolete and deficient bridges and highway infrastructure
- Accommodate truck freight traffic

Project Goals

- Accommodation of existing and planned multimodal routes
- Consideration of the natural and human environment
- Consideration of approved local and regional transportation plans

➤ Identified Safety Issues

- Crash rates are above state averages in most of the corridor
- Stop-and-go traffic contributes to rear end and sideswipe accidents
- Vasquez interchange has short exit/entrance ramp weaving lengths and is identified as a commercial vehicle crash hot spot

➤➤ Identified Delay Issues

- Peak travel times currently 3 to 4 times higher compared to the travel times at free flow conditions
- Queue lengths at ramp terminals increase travel delays
- Crashes contribute to increased travel time and delay

➤➤➤ Identified Infrastructure Issues

- 12 bridges are rated structurally deficient or are expected to fall into this category during the 2020 maintenance inspection period
- Pavement material on I-270 is deteriorating
- Roadway is heaving/sinking over landfill area
- Substandard geometric design

➤➤➤➤ Identified Truck Freight Issues

- Obsolete geometry limits truck sizes, increases travel times, and impedes traffic flow
- Stop-and-go traffic impairs trucking operations
- Corridor shoulder widths are insufficient for trucks