






This table will provide significant safety operational and enviro benefits.

BENEFIT	MEASURE
 CRASH REDUCTION (#)	1,175
 DELAY SAVINGS (HRS)	24.3M
 STOP IMPACT (#)	(63.6M)
 FUEL SAVINGS (GAL)	20.8M
 EMISSIONS REDUCTION (KG)	2.0M

SAFETY BENEFITS

- 1,175 fewer crashes over 20 years
- > 60% crash reduction
- ≈ 4–5 fewer crashes, emergency call-outs, and closures per month
- Managed & more easily navigated turns and side-street access
- Improved stopping-sight distance with vertical curve enhancements



OPERATIONAL BENEFITS

- Overall LOS C/D or better at all locations along US 30
- 26–48% less travel time (3.5 to 10 minute savings in the PM peak)
- Substantially reduced queuing, delays, and spillback at SR 48
- Easily-accessible, signal-controlled jughandle turnarounds
- Enhanced geometry to facilitate truck turning movements



ENVIRONMENTAL BENEFITS

- ≈ 20,800,000 gallons of fuel saved (≈ 1,900–2,500 tanker trucks)
- Improvement in air quality via reduced emissions containing carbonmonoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOC)
- Improvement in quality of life with safer travel, less delay, and managed access