





This project will provide significant safety operational and environmental benefits.

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

*\*Reported benefits reflect US 30 West Section improvements between ~ PA 48 and Carpenter/Leger Road*

## SAFETY BENEFITS

- Over 400 fewer crashes over 20 years
- > 70% crash reduction
- 1-2 fewer crashes, emergency call-outs, and closures per month
- Managed & more easily navigated turns and side-street access



## OPERATIONAL BENEFITS

- Overall LOS C/D or better at all locations along US 30
- 10-53% less travel time (2 to 4 minute savings in the peak travel direction)
- Substantially reduced queuing, delays, and spillback at SR 48
- Easily-accessible, signal-controlled jughandle turnarounds
- Enhanced geometry to facilitate truck turning movements



## ENVIRONMENTAL BENEFITS

- ≈ 11,800,000 gallons of fuel saved ( ≈ 1,000–1,400 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