





This project will provide significant safety operational and environmental benefits.

| BENEFIT* (20 YEAR DESIGN LIFE)   | MEASURE |
|--|---------|
|  CRASH REDUCTION (#)      | 400+    |
|  DELAY SAVINGS (HRS)      | 8.3M    |
|  FUEL SAVINGS (GAL)       | 11.8M   |
|  EMISSIONS REDUCTION (KG) | 1.2M    |

*\*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