

## **PROJECT DESCRIPTION**

US 222/US 30 Interchange Improvements and US 222 6-Lane Conversion  
SR 0222-059, ECMS 97013  
Lancaster County, Manheim Township  
September 30, 2019

### **Limits of Work**

- Project Limits are the US 222/US 30 Interchange and on US 222 from the interchange north approximately one-mile. North limit on US 222 stops near Stoner Park which is before the overhead bridge carrying Landis Valley Road.

### **Interchange Improvements - Ramp Work**

- Work will take place on all the US 222 ramps within the interchange and along US 30 eastbound and westbound in the lane change (weave/merge) areas. The project intent is to ease traffic congestion entering and exiting the ramps and improve the weaving/merging movements along US 30.

#### **US 222 South and US 30 West (north side of interchange)**

- US 222 southbound ramp to US 30 westbound. Will construct a second ramp lane, making this ramp a “Two-lane” exit ramp. The new ramp lane will end and tie into the existing SR 0272 (Oregon Pike) north exit ramp.
- US 30 westbound. Will add a new third lane on US 30 from the US 30 westbound ramp to US 222 northbound and carry this lane to the existing US 30 westbound third lane approaching Oregon Pike (SR 0272).

#### **US 30 East and US 222 North (south side of interchange)**

- US 30 eastbound ramp to US 222 northbound. Will construct a second ramp lane, making this ramp a “Two-lane” exit ramp. The new ramp lane will start at the US 30 exit gore area, tying into the existing US 30 travel lane (right lane). This will give drivers using the right lane of US 30 eastbound the option to continue on US 30 east or exit to US 222 north.

### **US 222 Conversion from 4-Lane to 6-Lane Roadway Section**

- US 222 will be converted from a 4-lane roadway section to a 6-lane roadway section from the interchange north to the project limit. The roadway conversion will be accomplished by “repurposing the existing median”. That is, the new third-lane (in each direction) will be constructed in the existing median.

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### **Included Work**

- The two bridges carrying US 222 ramps over US 30 will be replaced. The US 222 northbound bridge will be widened to carry two lanes.
- Eden Road bridge over US 222 will remain in place. Will lower US 222 under the bridge to achieve 16.5' clearance from road surface to bottom of bridge beams.
- On US 222 - reconstruction of the entire roadway and shoulders.
- Sound Walls
- Storm Water Management Basins
- Emergency Access Gates

### **Design Scope**

- Traffic Control. Four lanes will be maintained long-term during the life of the project.
- Noise. The project is eligible for noise abatement. Noise studies and public input are required to determine where abatement (sound walls or earthen berms) need placed.
- Storm Water Management Basins. Basins will be constructed within the existing interchange area. Along the US 222 corridor other storm water management basins will be constructed outside of the existing highway Right-of-Way.
- Permits. NPDES (National Pollutant Discharge Elimination System) permit required.
- Right-of Way. Will be necessary outside the existing limited access right-of-way for storm water management basins and possibly for sound walls.

### **Preliminary Cost and Schedule**

- Construction cost estimate is \$40,000,000.
- Bids open - December 2021.
- Construction start - Spring 2022. Construction complete - Fall 2024.