

# PURPOSE AND NEEDS

## Project Purpose:

- ◆ The purpose of this project is to improve safety and decrease congestion along the Middletown Road Corridor



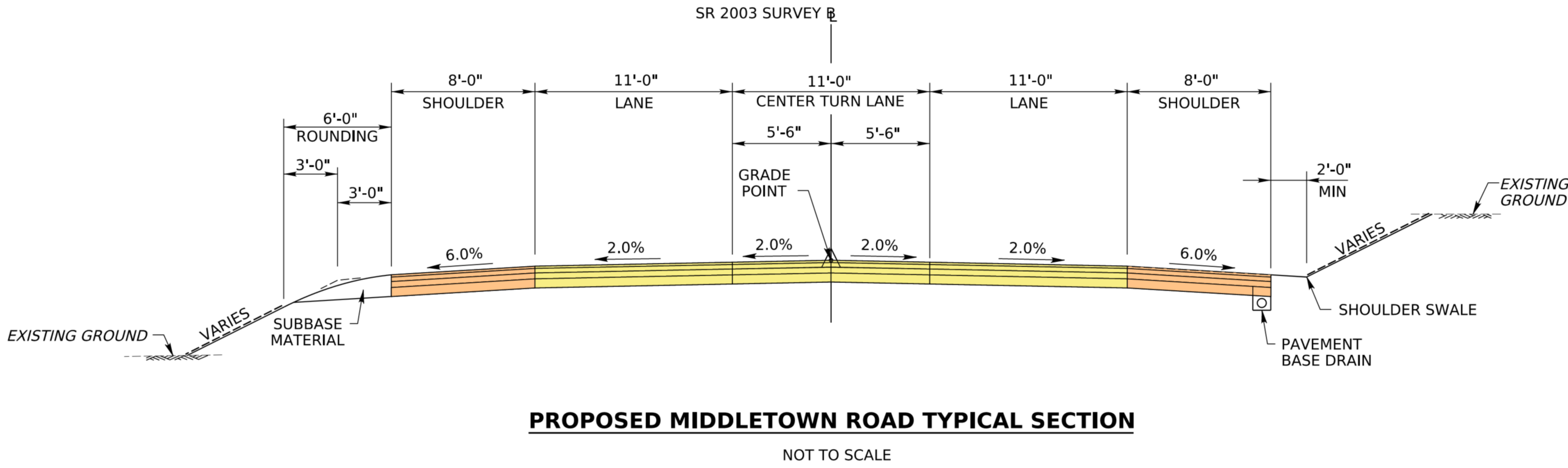
## Project Needs:

- ◆ Sight distance at intersections: 4 unsignalized intersections do not meet current criteria
- ◆ Congestion occurs at select locations throughout the corridor
- ◆ Safety: During a 10-year study period from 2013 through 2022, 280 crashes occurred along SR 2003 within the project limits. Total crash rate, suspected injury rate, and the injury rate all exceed the statewide average.



## Project Goal:

- ◆ Provide connectivity or opportunities to connect to existing bike/pedestrian paths within the neighborhoods adjacent to Middletown Road and the Jonathan Eshenour Memorial Trail



## Project Improvements:

- ◆ Add a continuous center turn lane to assist left turns, improve through flow, and reduce crashes
- ◆ Provide uniform shoulder widths for additional turns, bicycle comfort, and delivery vehicle use
- ◆ Geometry and other improvements at key intersections
- ◆ Modify and/or remove access points to reduce conflict movements and improve safety
- ◆ Update or retune traffic signals to improve flow
- ◆ Shift alignment and clear vegetation to improve intersection sight distance
- ◆ Enhance existing pedestrian and bicycle network connectivity and incorporate design considerations for future municipal-led connections
- ◆ Upgrade drainage and stormwater management systems
- ◆ Update signs and pavements markings