PURPOSE & NEED

ALLEGHENY COLLEGE
ROUNDABOUT PROJECT

CITY OF MEADVILLE, PA

Purpose

The purpose of this project is to improve the geometry, drainage, and mobility of the existing N. Main Street intersection at Allegheny Street / Limber Road.

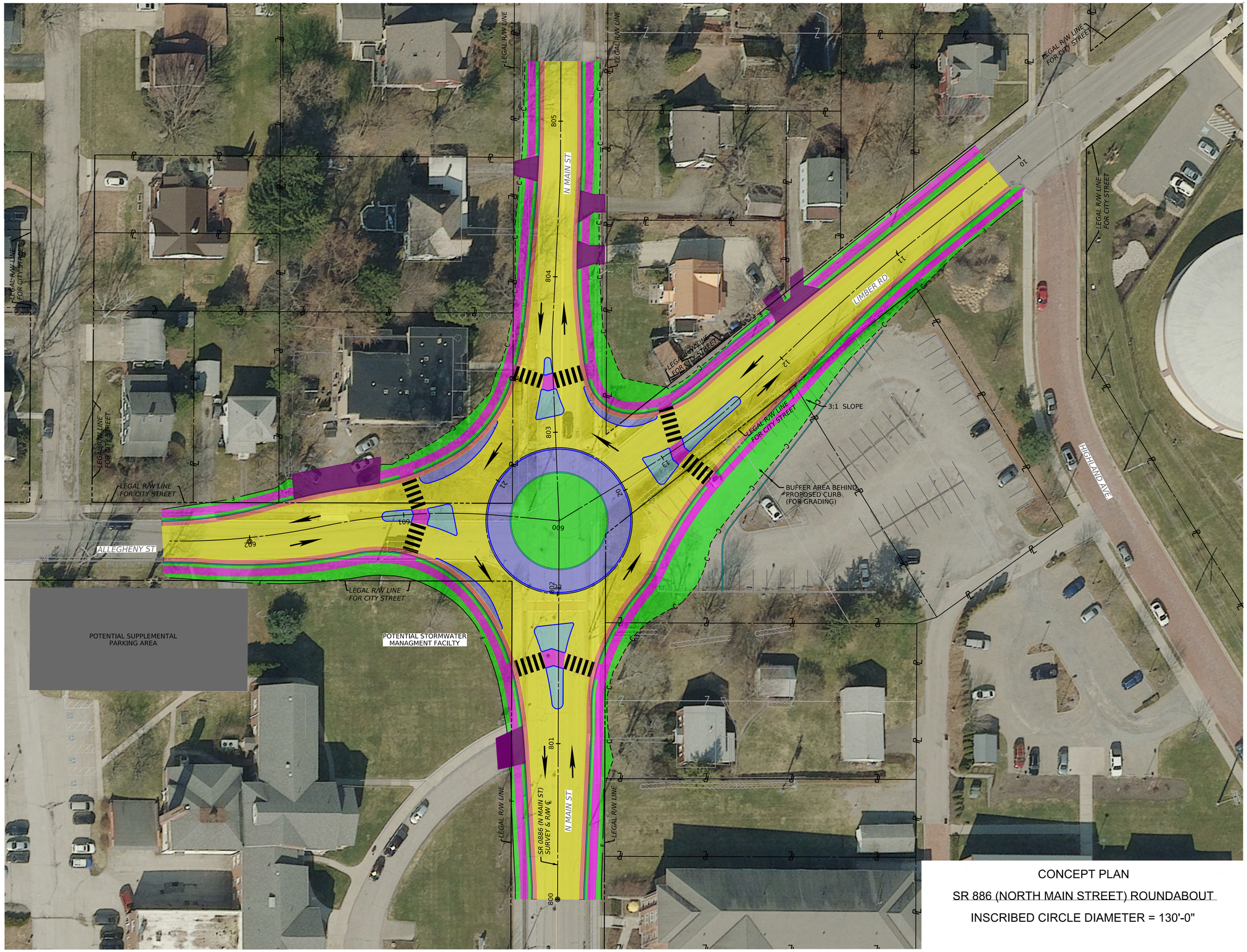
Need

Facility Deficiencies:

- The existing intersection has outdated ADA accommodations.
- The skewed approach alignment of Limber Road at its intersection with N. Main Street and Allegheny Street results in substandard intersection geometry. This configuration increases decision-making complexity and contributes to the documented pattern of angle crashes at the intersection.

Mobility: Based on a 2023 Vulnerable Road User (VRU) Safety Assessment, N. Main Street in the project area was listed as a "High-Risk Area".

PLOTTED: $$$$DATE$$$



LEGEND

- PROPOSED TRAVEL LANE
- PROPOSED SHOULDER
- PROPOSED CONCRETE CURB
- SIDEWALK
- DRIVEWAY ADJUSTMENT
- MOUNTABLE TRUCK APRONS
- SPLITTER ISLANDS
- GRASS AREA
- TRAFFIC DIRECTION / LANE

SCALE

0 30 60 FEET

CONCEPT PLAN

SR 886 (NORTH MAIN STREET) ROUNDABOUT

INSCRIBED CIRCLE DIAMETER = 130'-0"

UNOFFICIAL
FOR INFORMATION ONLY

ROUNDABOUTS

ALLEGHENY COLLEGE ROUNDABOUT PROJECT

CITY OF MEADVILLE, PA

Pedestrian Crossings at Roundabouts

Crosswalks setback one car length

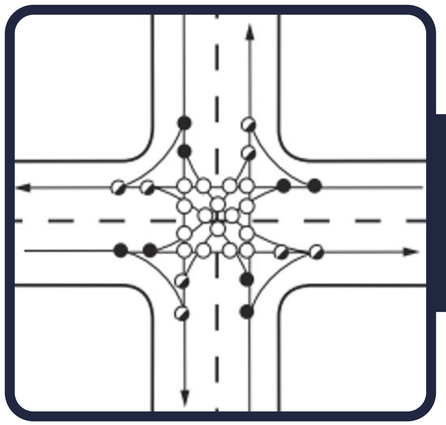
Separates conflicts between cars and pedestrians

Allows pedestrians to cross when cars are queued

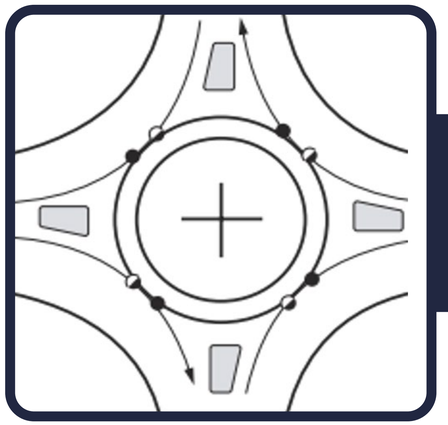
Benefits of Roundabouts

- Improve Safety
- Slower Vehicle Speeds
- Efficient traffic flow
- Reduces Pollution and Fuel Use
- Traffic Calming
- Gateway Opportunity

Vehicular Conflicts at Intersections



Traditional Intersection
32 Conflict Points



Roundabout
8 Conflict Points

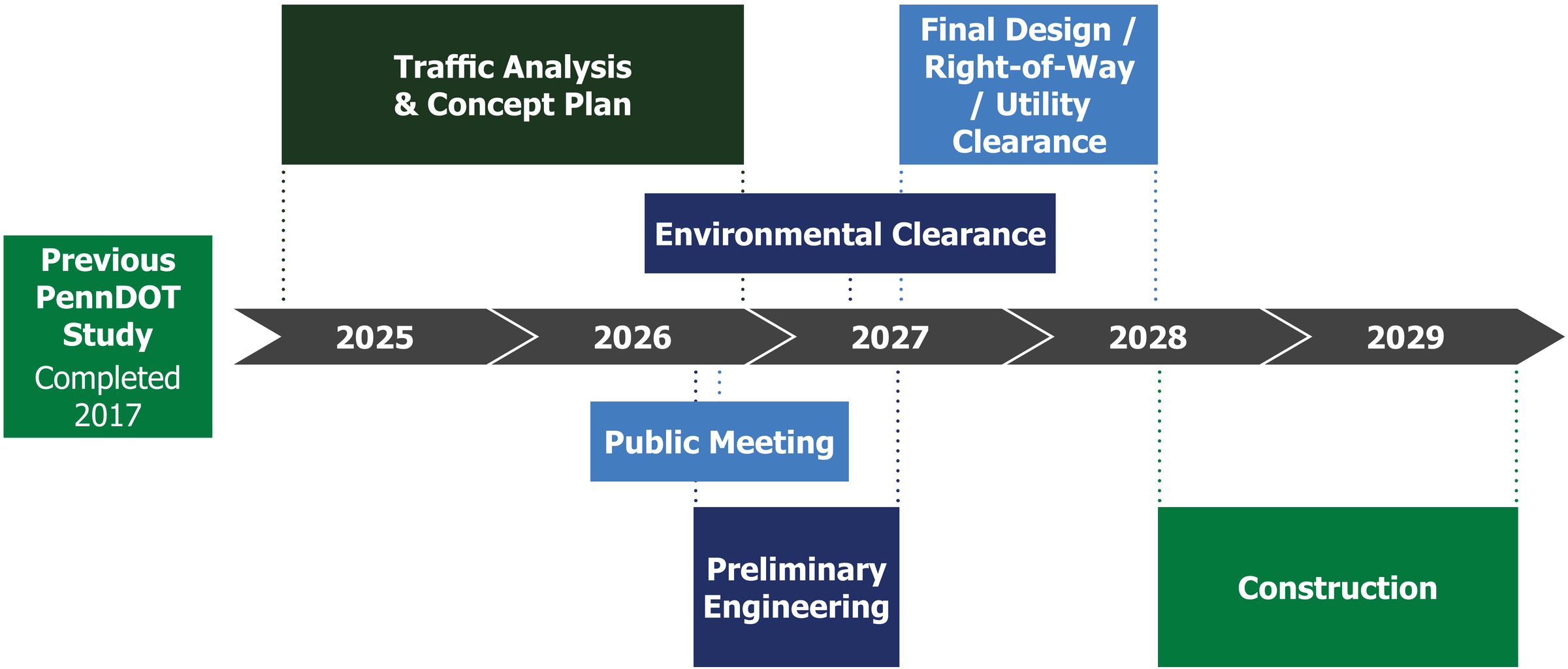
SEPTEMBER 2026

U.S. Department of Transportation
Federal Highway Administration

PROJECT SCHEDULE

ALLEGHENY COLLEGE ROUNDABOUT PROJECT

CITY OF MEADVILLE, PA



U.S. Department of Transportation
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