

# Public-Private Transportation Partnerships Board Meeting

December 4, 2019

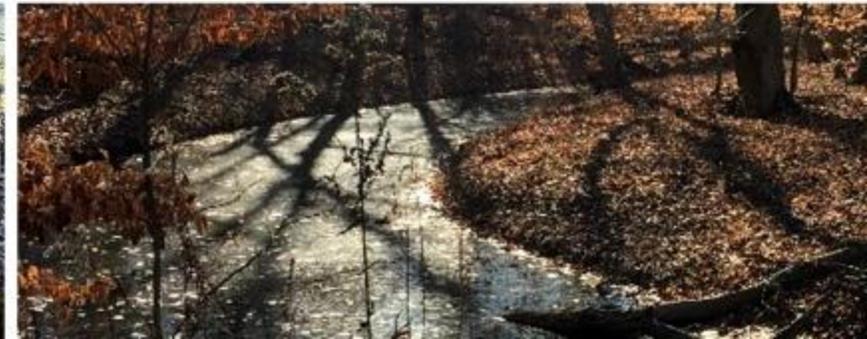
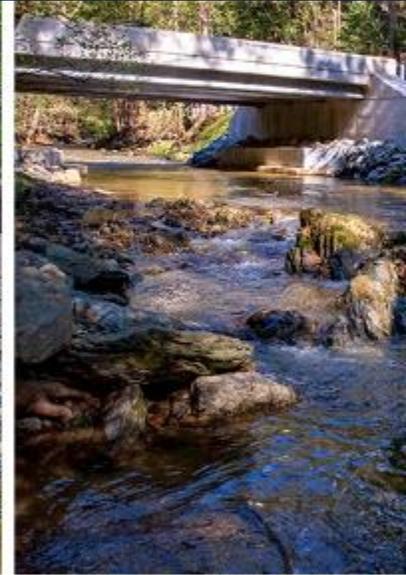
# AGENDA

- Call to Order
- Roll Call
- Adoption of 05.30.19 Meeting Minutes
- Chair's Remarks
- Approved Project Updates
- New Business
- Other Business
- Public Comments
- Adjournment





# APPROVED PROJECT UPDATES





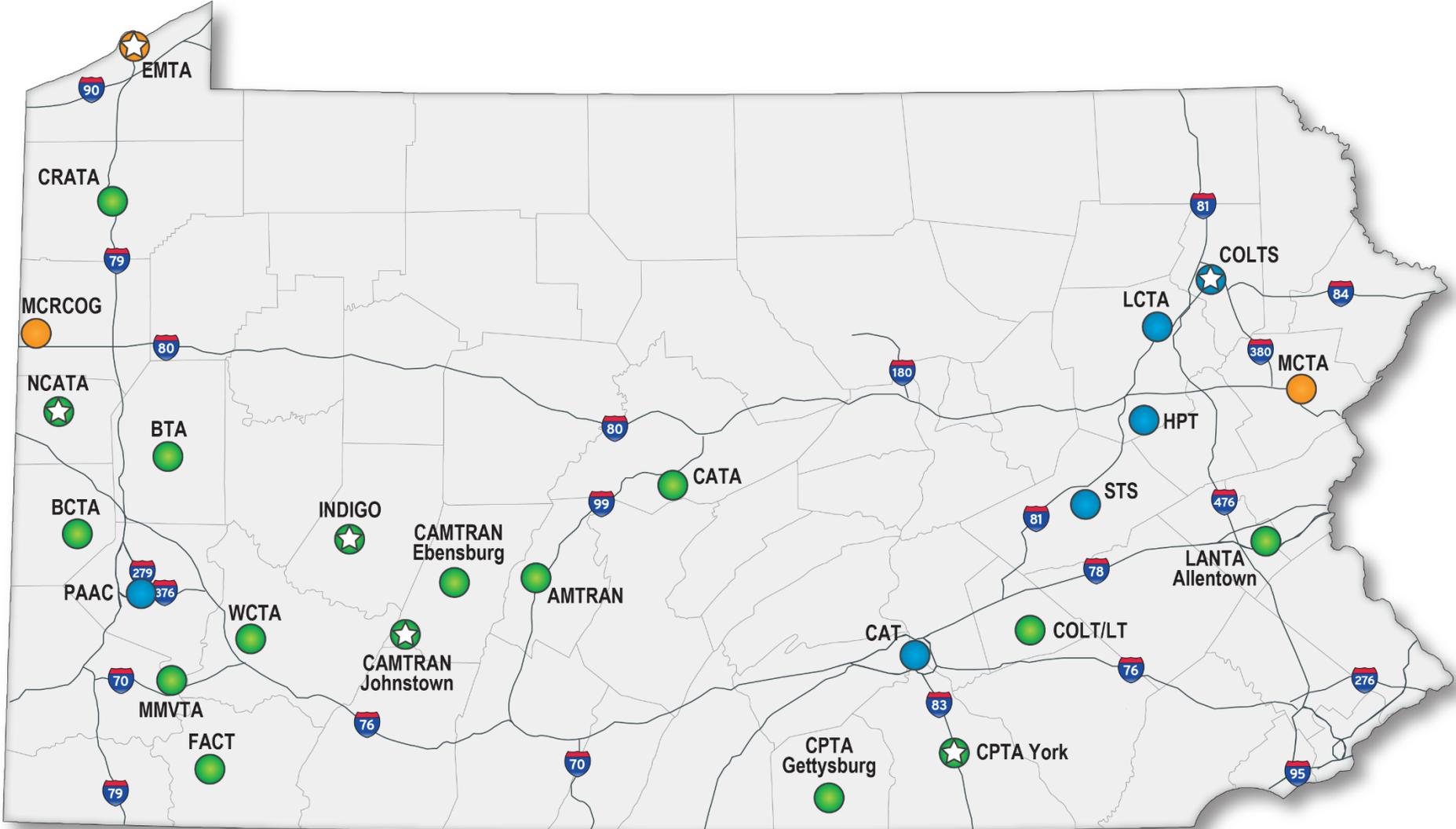
# COMPRESSED NATURAL GAS (CNG) FUELING STATIONS FOR TRANSIT AGENCIES

# PURPOSE

- Partner with Development Entity to supply Compressed Natural Gas (CNG) to 25 transit facilities and 1,000 buses throughout the Commonwealth
- Require Development Entity (Trillium CNG) to make safety upgrades and design, build, finance, operate and maintain stations
- Provide access to commercial CNG fueling stations for private vehicles and fleets



# CNG TRANSIT FUELING STATIONS



As of November 2019

● Completed | ● 2019 Construction | ● Planned Construction (2020-2021) | ☆ Public Access



# CHALFONT MITIGATION BANKING

# PURPOSE

- Develop 140 acres of PennDOT-owned land in Chalfont, Bucks County
- Chalfont Site is located in Central Delaware Watershed
- Development Entity will design, build, finance, operate, and maintain site
- Provide on-demand wetland mitigation credits for PennDOT projects
- Development Entity may sell excess credits with opportunity for revenue sharing





# RAPID BRIDGE REPLACEMENT PROJECT

# PROJECT BENEFITS

- Replaced poor condition bridges more quickly
  - Standardization of design techniques and construction methods
- Better value to taxpayers
  - Higher construction quality
  - Economy of scale savings (through standardization)
  - Lower maintenance costs expected
- Allowed for fiscal certainty
- Use of PA-based contractors and designers
- 25 year Maintenance Term



- ✓ 558 poor condition bridges will be replaced
- ✓ Utilization of SEP-15 allowed the DE to develop the NEPA documents in a streamlined, efficient manner
- ✓ Implemented processes to ensure all design submissions were automated and set up tracking processes that can be utilized on future projects
- ✓ Construction innovations

## PROJECT SUCCESSES



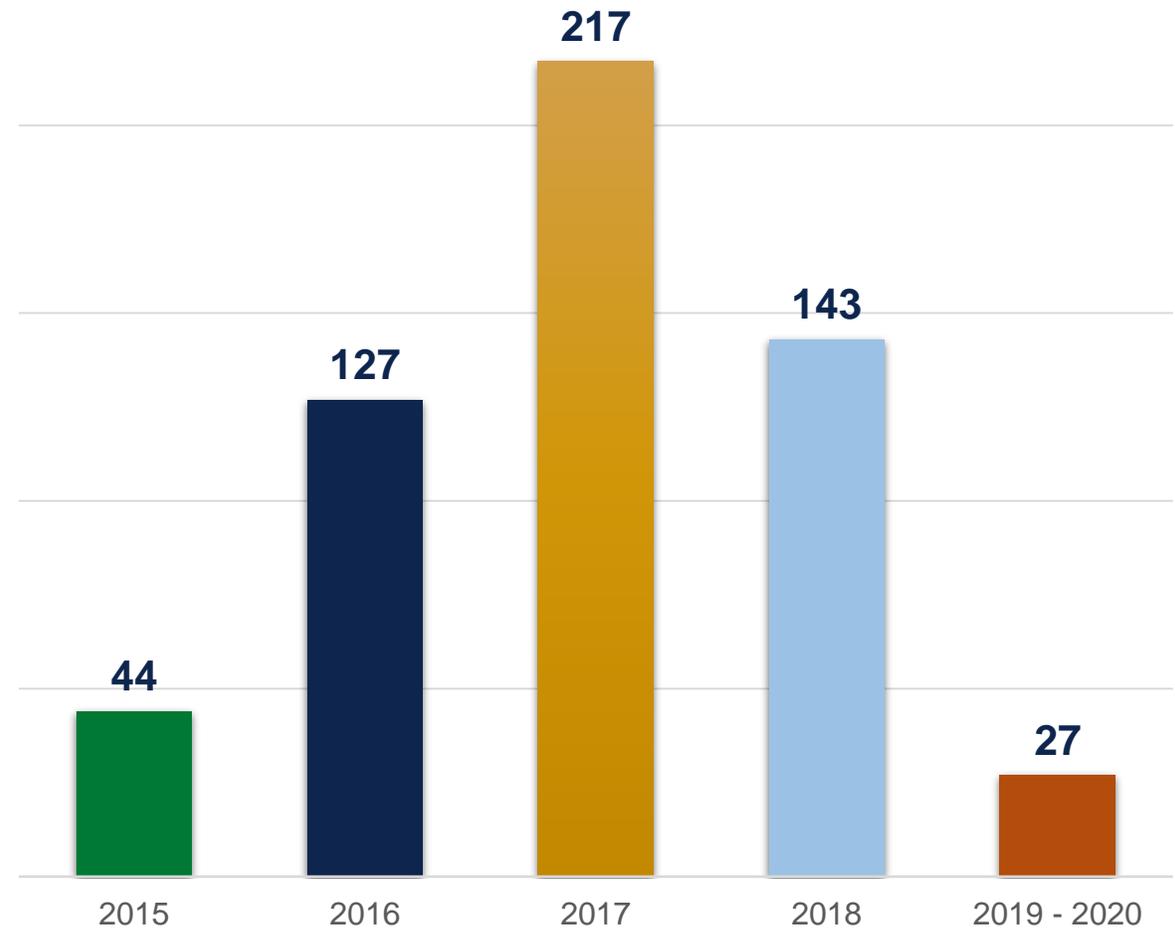
# RBR CURRENT STATUS

| Year | RBR Bridges Constructed |
|------|-------------------------|
| 2015 | 44                      |
| 2016 | 127                     |
| 2017 | 217                     |
| 2018 | 143                     |
| 2019 | 25                      |
| 2020 | 2                       |

|                        |            |
|------------------------|------------|
| Construction Completed | <b>556</b> |
| Under Construction     | <b>2</b>   |

*Over 99.6% of bridges built and open to traffic*

## RBR Bridges Constructed by Year



# LESSONS LEARNED

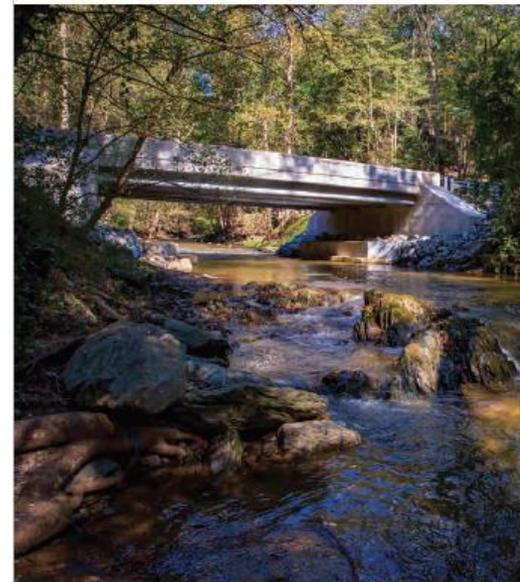


# PRIMARY LESSONS LEARNED THEMES

- PennDOT Procurement & Asset Selection
- PennDOT and Development Entity Shared Requirements
- Development Entity Performance
- PennDOT Requirements for Project Management



 pennsylvania  
DEPARTMENT OF TRANSPORTATION  
2019 RAPID BRIDGE  
REPLACEMENT PROJECT  
LESSONS  
LEARNED  
REPORT





# LESSONS LEARNED OUTREACH

- AASHTO Annual Meeting (St. Louis, MO)
- AASHTO Standing Committee on Bridges and Structures (Montgomery, AL)
- APC Bridge Committee (Harrisburg)
- ARTBA P3 Northeast Regional Meeting (Philadelphia)
- March of Dimes Transportation, Building and Construction Awards (Harrisburg)
- Transportation Asset and Infrastructure Management Conference (State College)
- TRB Annual Workshop on Transportation Law (Cleveland, OH)



# SPONSORSHIP AND ADVERTISING



# PURPOSE

- Partnered with consultant to utilize PennDOT assets in revenue generation
- Provides free assistance to motorists on Pennsylvania's busiest interstates
- Offsets operational costs incurred by PennDOT and Pennsylvania Turnpike Commission (PTC)
- Enhances safety of the traveling public, increases efficiency and lessens congestion



# FUTURE ACTIVITIES

- Initial contract expired March 2019
- RFP issued in May 2019 to identify partner to develop and execute a marketing and sponsorship program
- Major work tasks include the identification of sponsors for the Freeway Safety Service Patrol and Rest Areas/Welcome Centers
- Anticipated contract execution in early 2020



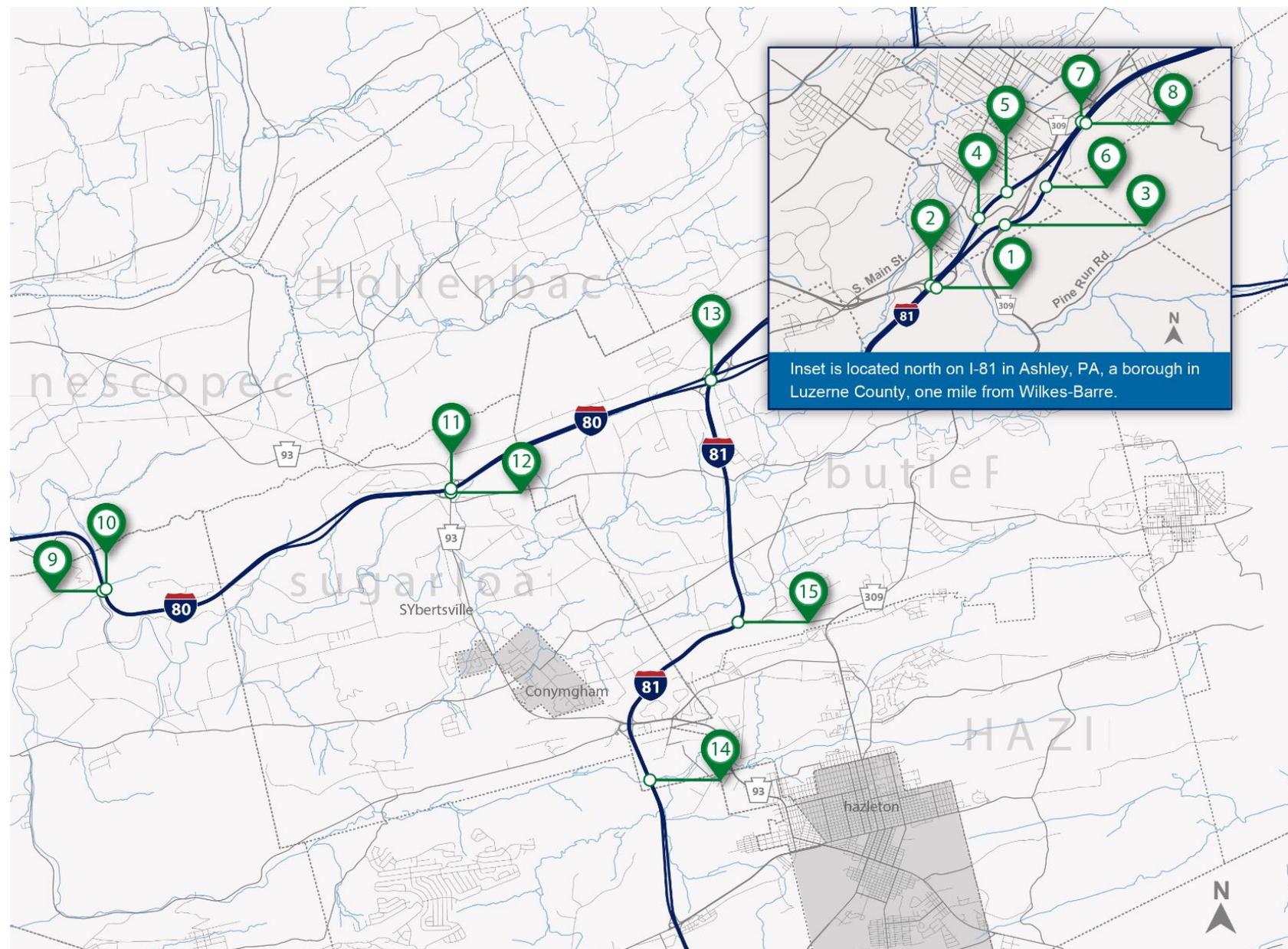


# **NORTHAMPTON COUNTY BRIDGE RENEWAL PROGRAM**



# **DISTRICT 4-0 INTERSTATE BRIDGES**

# DISTRICT 4-0 INTERSTATE BRIDGES





# NEW BUSINESS

Presentation and Consideration of  
Interstate 81 P3 Corridor Project

Approval of Updates to the P3  
Implementation Manual & Guidelines

Unsolicited Proposals Update

Strategic Direction



# INTERSTATE 81 P3 CORRIDOR PROJECT

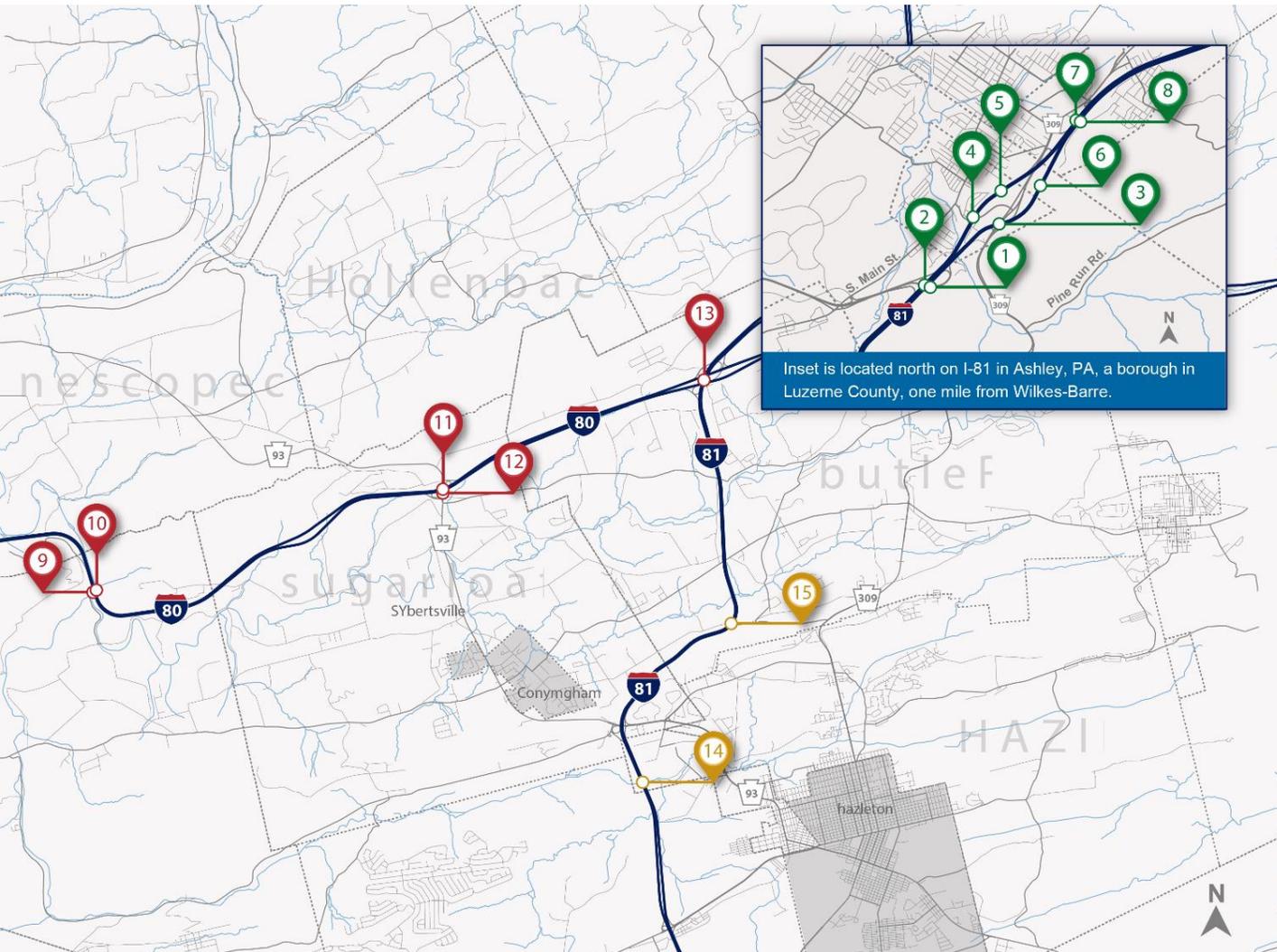
# BACKGROUND



## PROJECTS ON THE 12 YEAR PROGRAM

- Interstate 81 Reconstruction Project from Scranton to Moosic
- 15 bridges approved by P3 Board in November 2018

# BACKGROUND



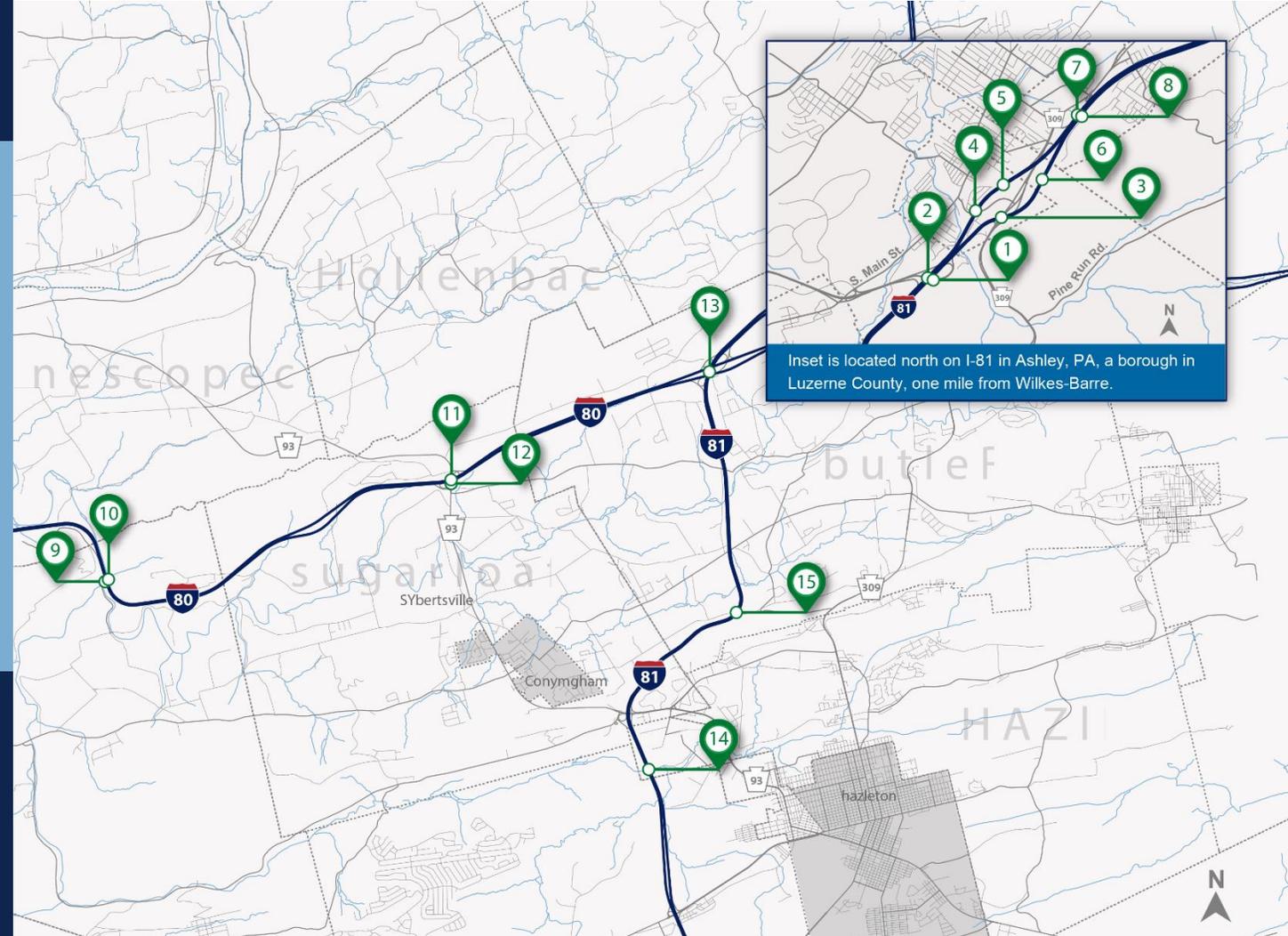
Fifteen (15) interstate bridges in Luzerne County were identified for replacement by PennDOT District 4-0 due to their condition and age

## Approach

- Original Intent – Complete reconstruction of the 3 groups as Design-Bid-Build and Design-Build projects
- Current Concept – Approval to proceed using Design-Build Best-Value (DB-BV) alternative delivery selection approved by P3 Board in November 2018

# PROJECT EVOLUTION

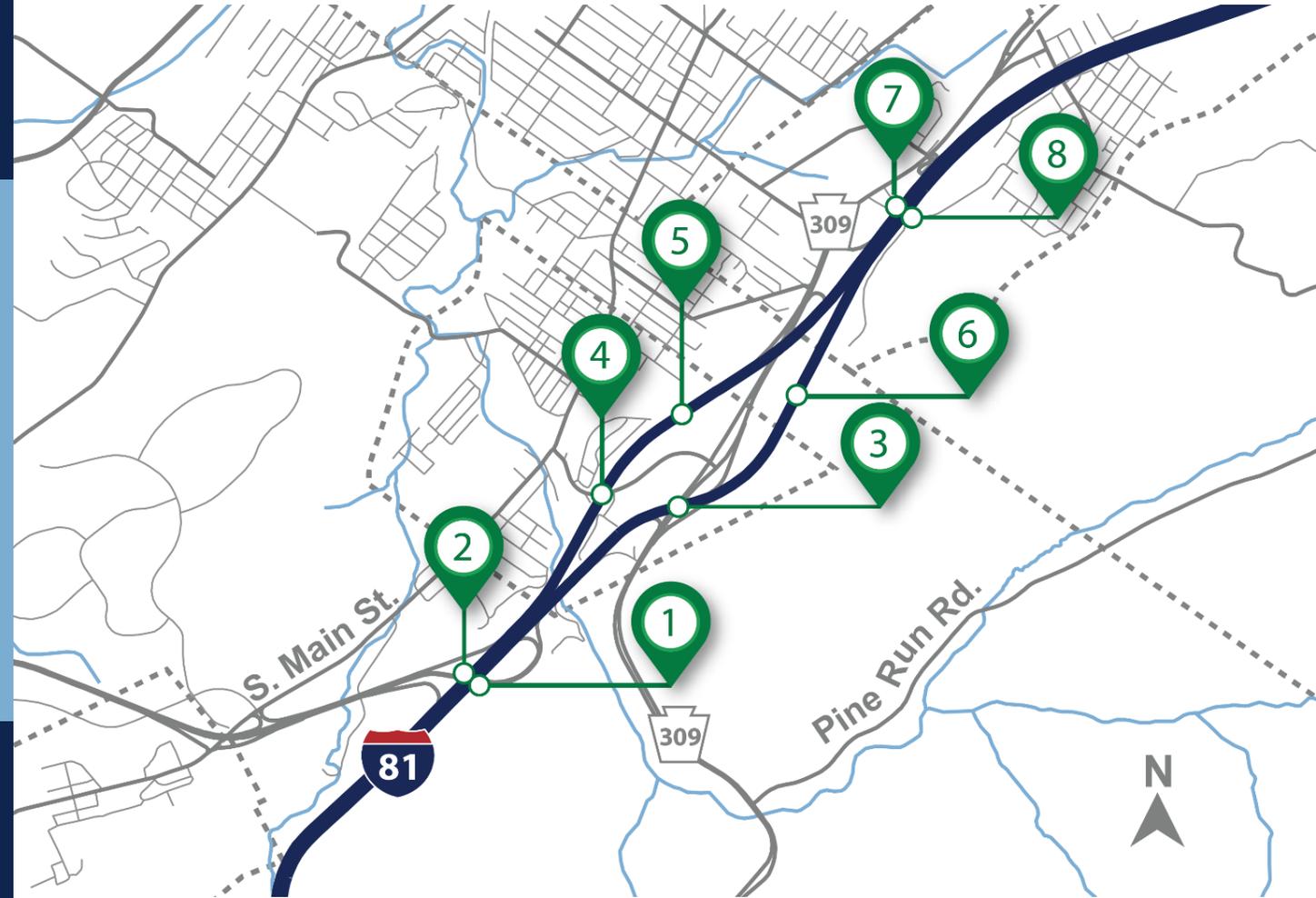
- Design-Build Best-Value concerns received from industry
- Delivery method re-analyzed
- Focused on 8 bridges near Wilkes-Barre
  - Efficiencies
  - Long-term bridge design considerations
  - Long-term corridor vision
    - Safety, Mobility

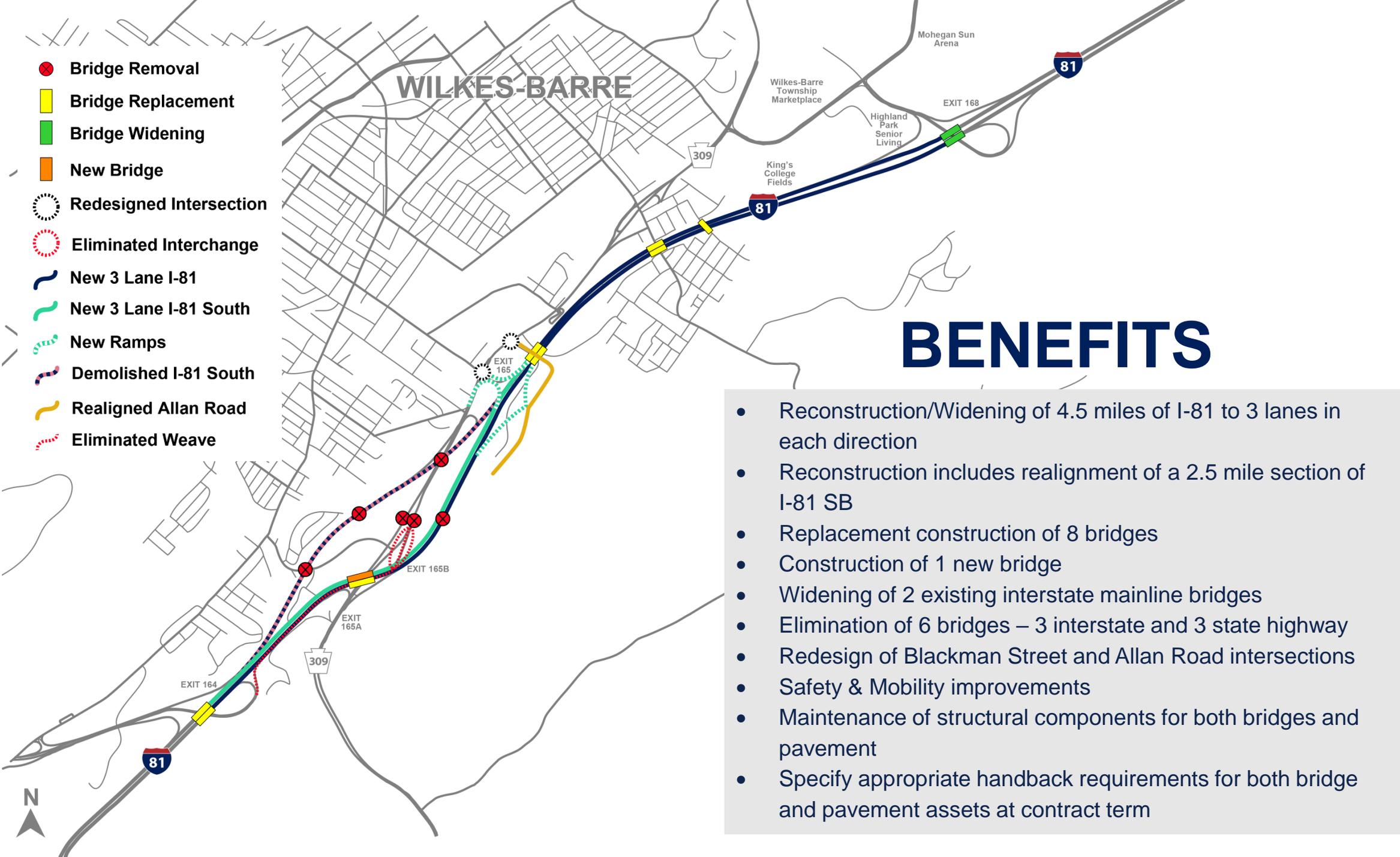


# CONSIDERATIONS

- Bridge design
  - Need to bring bridges to current design standards
  - MPT
- Long-term corridor vision
  - Safety
  - Mobility
- Efficiencies
  - MPT
  - Construction Approach
    - Schedule
    - Means & Methods

# PROJECT EVOLUTION

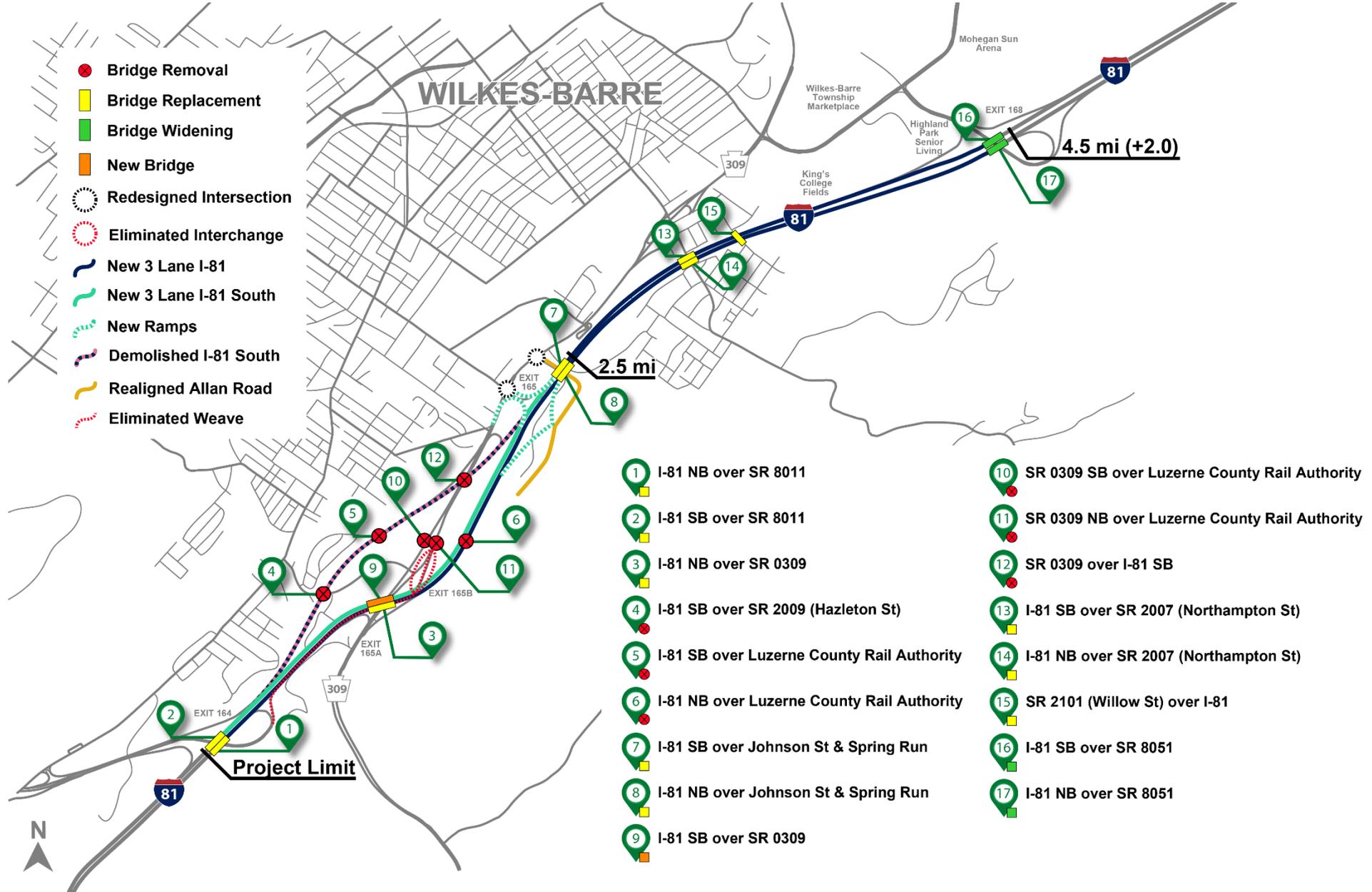




# BENEFITS

- Reconstruction/Widening of 4.5 miles of I-81 to 3 lanes in each direction
- Reconstruction includes realignment of a 2.5 mile section of I-81 SB
- Replacement construction of 8 bridges
- Construction of 1 new bridge
- Widening of 2 existing interstate mainline bridges
- Elimination of 6 bridges – 3 interstate and 3 state highway
- Redesign of Blackman Street and Allan Road intersections
- Safety & Mobility improvements
- Maintenance of structural components for both bridges and pavement
- Specify appropriate handback requirements for both bridge and pavement assets at contract term

# RECOMMENDED P3 PROJECT



**Act 88 of 2012**

**Providing for Public Private Transportation Partnerships  
Implementation Manual and Guidelines**

Approved for use January 9, 2013  
As Amended December 4, 2019



**APPROVAL OF  
UPDATES TO THE  
P3  
IMPLEMENTATION  
MANUAL &  
GUIDELINES**



# UNSOLICITED PROPOSALS UPDATE



# STRATEGIC DIRECTION FOR P3 OFFICE



# P3 BOARD MEETING

- Other Business
- Public Comments
- Adjournment

**NEXT MEETING:**

**Spring 2020**

