

# Public-Private Transportation Partnership Board Meeting

**DECEMBER 9, 2021**

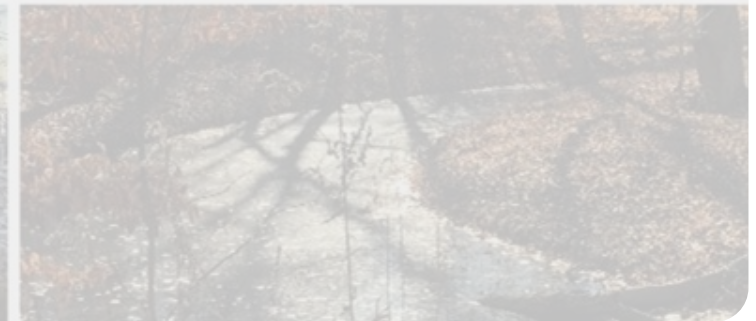
# Agenda

- Call to Order
- Roll Call
- Adoption of 6.16.21 Meeting Minutes
- Chair's Remarks
- Program/Project Updates
- New Business
- Other Business
- Public Comments
- Adjournment

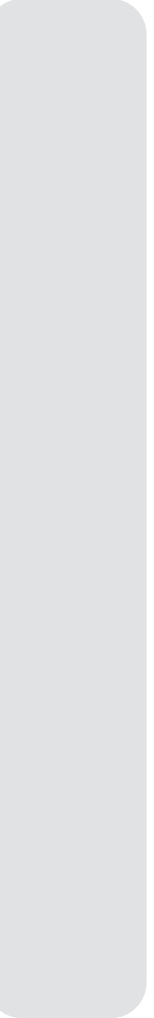




# **P3 Program / Project Updates**



# Unsolicited Proposals Update



# Unsolicited Proposals – Under Consideration

<b>Project Name</b>	<b>Proposed By</b>	<b>P3 Action</b>
District 4 Northern Tier Counties Bridge Replacements	CDR Maguire	Preparing Financial Analysis Report
PennDOT Solar Initiative	Solar Renewable Energy, LLC	Under Consideration
Shared Mobility Incentives	Hytch Rewards	Performing High Level Screening
Drivewyze PreClear (Weigh Station Bypass) and Other Services	Drivewyze	Performed High Level Screening; next meet with stakeholders
<b>Mobile Trash Compaction</b>	<b>D.C. Lehman Company (Smash My Trash)</b>	<b>Performing High Level Screening</b>
<b>I-76 Managed Lanes</b>	<b>CINTRA</b>	<b>Preparing for High Level Screening</b>

# Unsolicited Proposals – On Hold

**Project Name**

**Proposed By**

**P3 Action**

PA Smart Transportation Infrastructure Initiative

Keystone Initiative for Network Based Education and Research (KINBER)

Coordinate with Commonwealth Broadband Plan

PennDOT Truck Parking Expansion Program

Truck Specialized Parking Services, Inc.

On Hold – coordinate with Freight Working Group

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# Unsolicited Proposals – Dismissed

**Project Name**

**Proposed By**

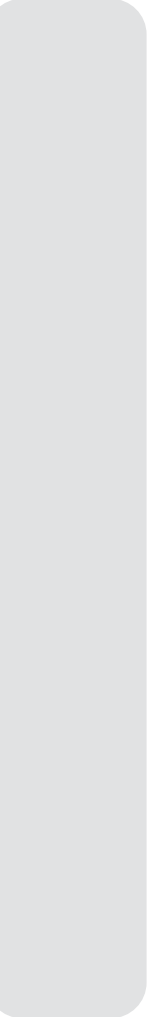
**P3 Action**

Environmental Solutions P3

Resource Environmental Solutions

Dismissed

# Northampton County Bridge Renewal Program

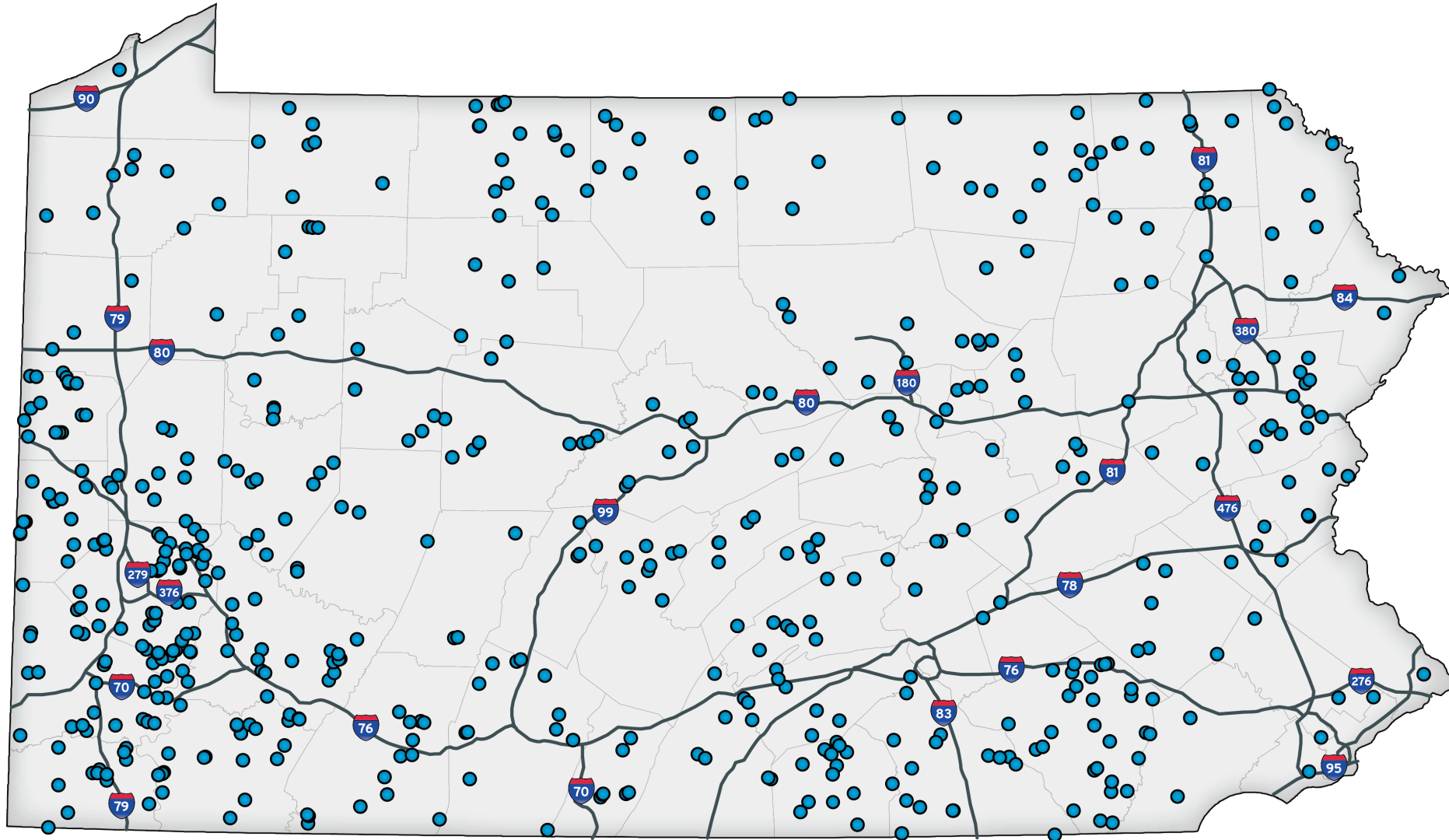




# Rapid Bridge Replacement (RBR) Project



# RBR Project Map



# PennDOT Sponsorship and Advertising Program



## Benefits

- Generates sponsorship and advertising revenue to offset the costs of sponsored programs and provided an additional source of funds for other transportation-related projects and initiatives
- Safety Service Patrol, which is the main sponsorship program to be included, enhances the safety of the traveling public and lessens congestion

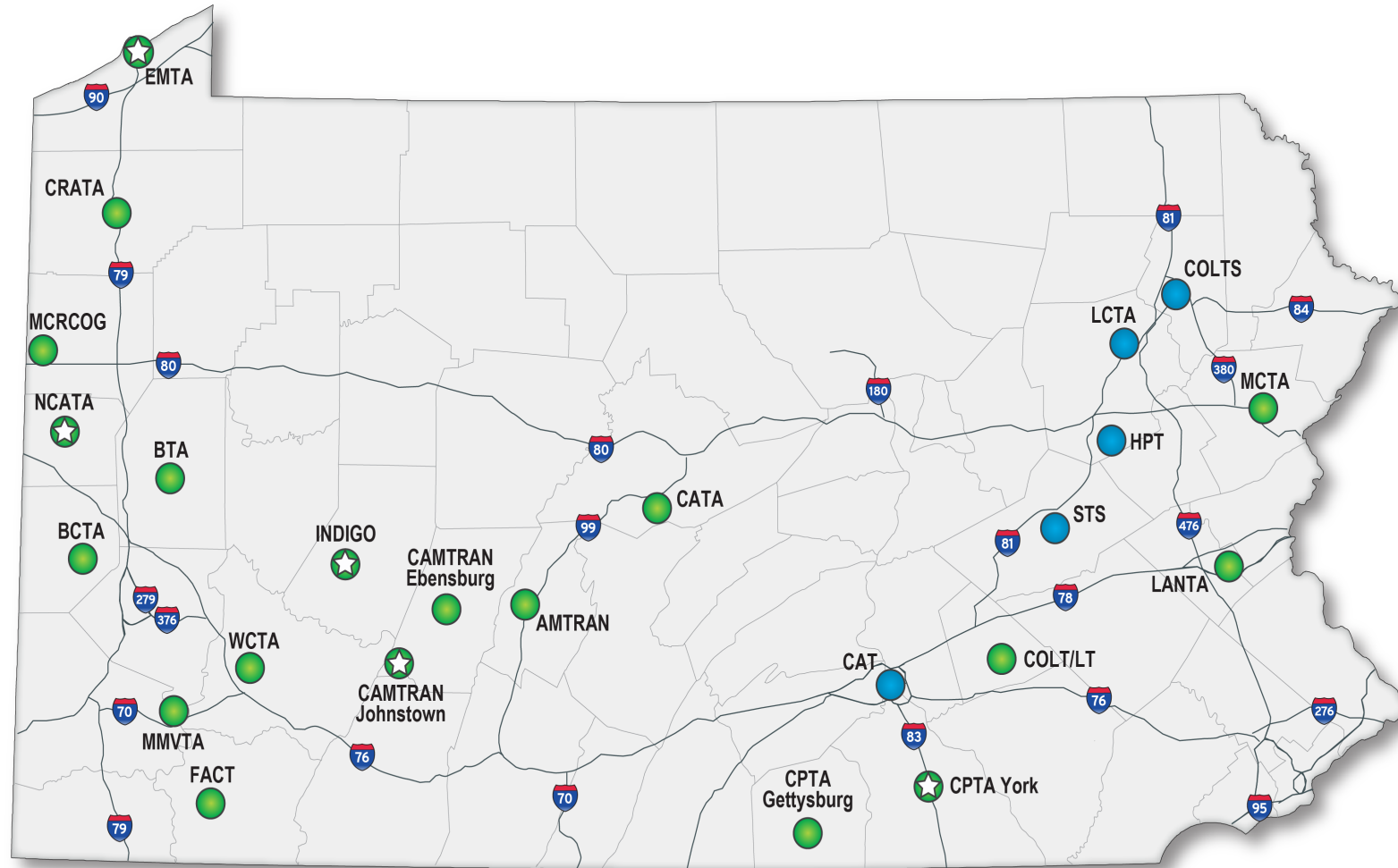
## Status

- PennDOT has selected two (2) firms for the Sponsorship & Advertising program: The Superlative Group and 2i Group
- These teams are now conducting an evaluation of sponsorship opportunities to present to the P3 Office and PennDOT for consideration

# Compressed Natural Gas (CNG) Fueling Stations



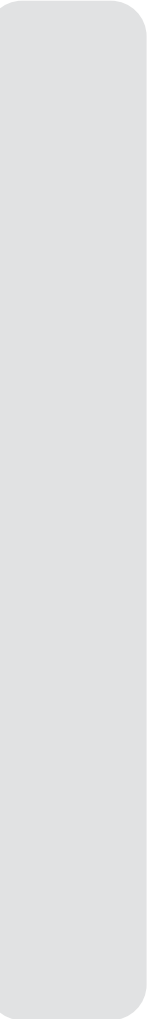
# Compressed Natural Gas (CNG) Fueling Stations



As of December 2021

● Completed | ● Planned Construction (2022-2024) | ☆ Public Access

# Partnership 81 Project



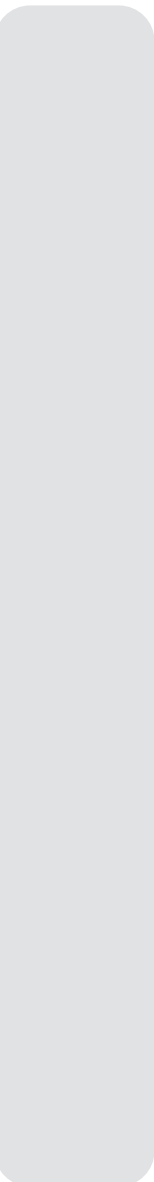
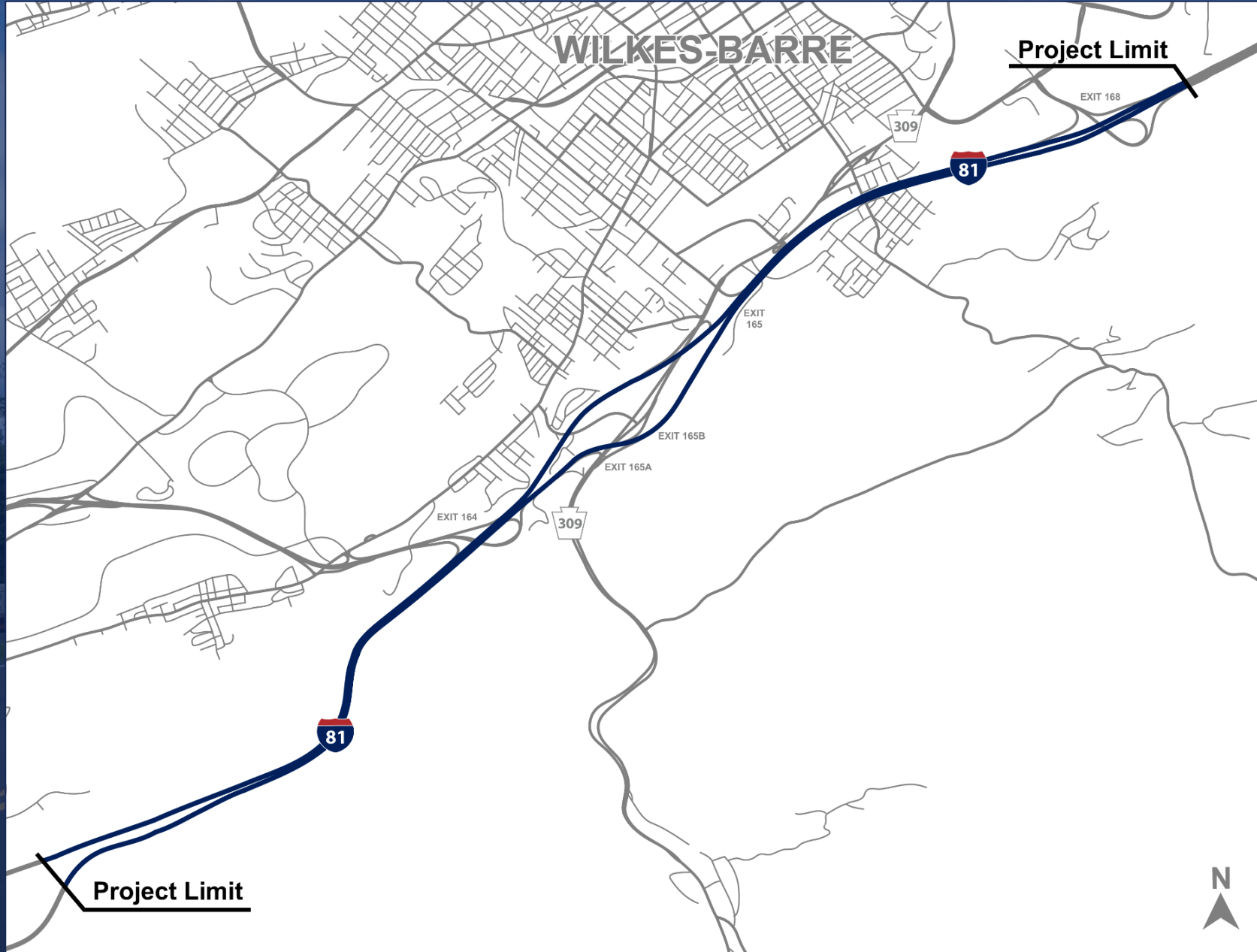
# Project Purpose

Address needed safety and mobility improvements along a section of I-81 in Luzerne County

Alleviate peak travel congestion through corridor

Utilize innovative P3 delivery to accelerate schedule and realize cost savings







# Project Improvements



Reconstruction and widening of I-81 to 3 lanes in each direction

Elimination of a left-hand exit on I-81

Replacement of poor condition bridges

Redesign of other intersections immediately off I-81



# Project Activities



1

## Environmental

- Wetlands and Waters Identification Studies
- Purpose and Need Report
- Hazardous and Residual Wastes Studies
- Above Ground Historic Structures
- Phase I Archeological Assessment
- Threatened and Endangered Species Studies

2

## Highway

- Alignment Analyses to Improve Safety and Mobility
- Traffic Counts and Data Analyses
- Geotechnical Studies for Subsurface Challenges
- Target Schedule for NEPA Clearance: **Fall 2022**

3

## Contracting

- Risk Management
- Developed Procurement Schedule based on NEPA Clearance and preliminary engineering activities
- Determined Delivery Method: **Design-Build-Finance**

# Next Steps



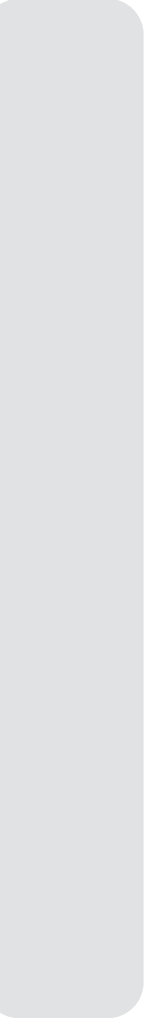
## Preliminary Engineering

- Complete Alternatives Analysis and Identify Preferred Alignment
- Traffic Safety & Operations Analyses
- Point of Access Study
- Conduct first Public Involvement Meeting on project
- Identify and Quantify Environmental Impacts and Mitigation Requirements
- Geotechnical Baseline Investigations
- Design Field View
- Preliminary engineering, including Right-of-Way plans and utility relocations

## Project & Procurement Milestones

- Industry Day (Spring 2022)
- Issue RFQ (Summer 2022)
- Shortlisting (Early Fall 2022)
- NEPA Clearance (Late Fall 2022)
- DFV Approval (Winter 2023)
- Final RFP (Summer 2023)
- Select Development Entity (Fall 2023)
- Contract Closings (Winter 2024)

# Major Bridge P3 Initiative




# Final PEL Study Outcomes




The Final PEL Study can be used to determine which alternative funding options to pursue in the near-term and long-term that can help build stable and dedicated transportation funding for Pennsylvania

Key Takeaways



**Major Sources of Revenues are Declining**



**PennDOT Needs are Large and Increasing**



**Lack of Funding Impacts Pennsylvanians**

**Funding Options Analyzed**

- Sales Tax
- Personal Income Tax
- Real Estate and Property Taxes
- Fuel/gas Tax Increase
- Other Taxes and Fees
- Mileage-based User Fee
- Various Forms of Tolling

**Why Tolling?**

- Those who use the facility pay for it
- Provides dedicated funding that is used to construct and maintain the facility
- Avoids local and regional funding from being diverted
- Toll collection systems already exist in Pennsylvania, lowering costs

Options were analyzed based on those that could be advanced **in near-term** (2-4 years). Near-term is essential because bridges are in critical need of repairs today.

Each option has merit for PennDOT's long-term strategy. However, without action by legislature, only **bridge tolling** and **managed lanes** can be advanced near-term

# Key Updates Since Last P3 Board Meeting



## TROC

- Guiding Principles
  - User Fees
  - Be Fair
  - Diversify Revenue Base
  - Reduce Funding Restrictions
- Strategic Funding Proposal
  - Road User Charges (MBUF)
  - Tolling
  - Funding Redirection
  - Fees
  - Taxes
  - Other

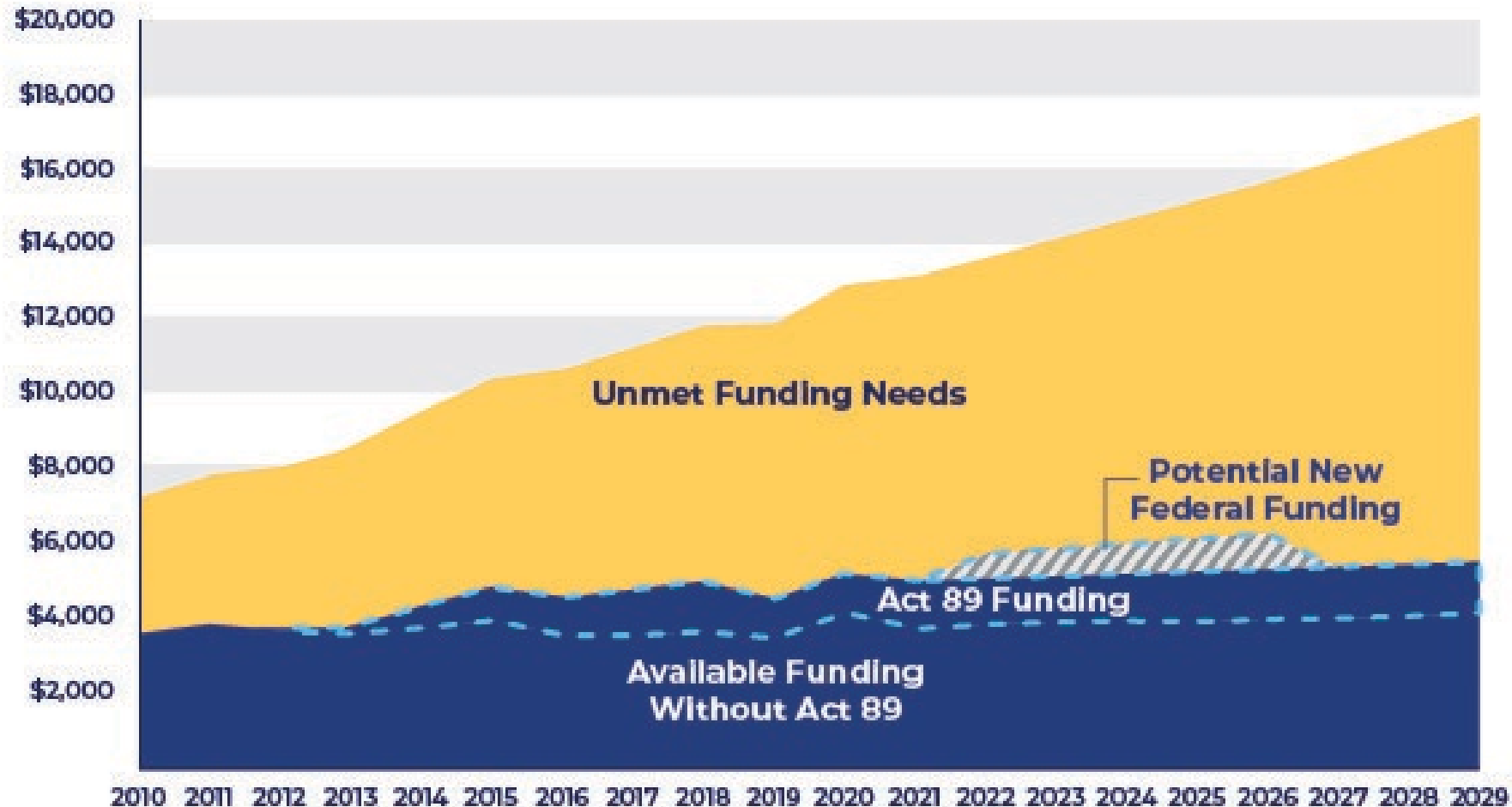
## Federal Funding

- ARPA Stimulus Funding
  - \$279M (one-time)
- Bi-Partisan Infrastructure Law (BIL)
  - Highway / Bridge
    - Year 1 - \$640M (8% of annual need)
    - Increase of ~\$75M per year for 4 years
      - In Year 5 - \$950M (11.7% of annual need)

# Scope of Need



**PennDOT Highway & Bridge Funding**  
(\$ Millions)



# NEPA Processes



Bridge	NEPA Action	Diversion Workshops (All Complete)	30-day Comment Begin	30-day Comment End	Public Meeting	Anticipated Environmental Clearance
I-81 Susquehanna River	CE Re-eval	7/27/2021	11/8/2021	12/8/2021	11/15/2021	2/9/2022
I-78 Lenhartsville	CE Re-eval	8/10/2021	10/25/2021	11/24/2021	11/1/2021	2/2/2022
I-80 Nescopeck	CE	7/28/2021	11/15/2021	12/15/2021	12/7/2021	2/16/2022
I-80 White Haven	CE	8/9/2021	11/17/2021	12/17/2021	12/8/2021	2/25/2022
I-80 Canoe Creek	CE Re-eval	7/26/2021	11/1/2021	12/1/2021	11/8/2021	2/2/2022
I-80 North Fork	CE	8/11/2021	11/22/2021	12/22/2021	12/15/2021	2/16/2022
I-83 South Bridge *	EA	7/29/2021	10/25/2021	11/24/2021	11/9 & 10/21	5/13/2022
I-79 Bridgeville	CE	9/14/2021	Late March 2022	Late April 2022	Early April 2022	6/30/2022
I-95 Girard Point	CE	11/4/2021	Late April 2022	Late May 2022	Early May 2022	July 2022

\* A public hearing for South Bridge will be scheduled for March 2022



# Major Bridge P3 Initiative Studies



## Technical Analyses

- Engineering Drawings
- Reference Information Documents
- Diversion Analyses
- Traffic Modeling
- Low Income Population Impact Studies

## Financial Modeling

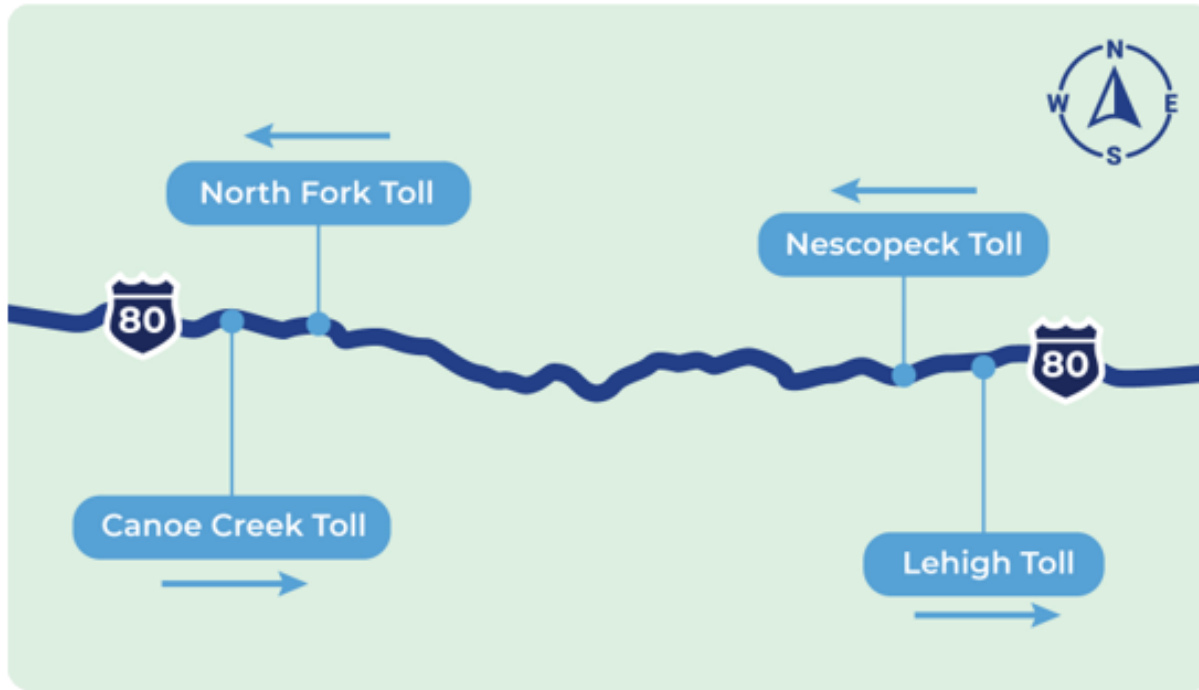
## Procurement Documents

## Example Diversion Route Improvements

- Intersection Reconstruction / Realignment Reconfiguration
- Modified Intersection Controls
- Signal Installation
- Signal Retiming
- EMS Preemption Retrofits
- Mill/Overlay of Primary Diversion Route
- Cross Walk Beacons
- Sidewalks

**Program Updates – One Way Tolling on I-80 Bridges**

# ONE-WAY TOLLING



- PennDOT has decided to pursue one-way tolling on the four I-80 bridge projects.
- Traffic would be tolled:
  - Eastbound at Canoe Creek
  - Westbound at North Fork
  - Eastbound at Lehigh River
  - Westbound at Nescopeck Creek
- Tolls are expected to be \$1-\$2 for passenger cars using E-ZPass at each toll location.
- One-way tolling reduces the number of tolls drivers would have to pay on I-80, as well as overall diversions and the need for additional tolling infrastructure.



# Major Bridge P3 Initiative Goals



Accelerate renewal of major bridges

Enhance public safety

Avoid costly detours due to weight restrictions or closures of bridges

Create a financially sustainable model for the Commonwealth's major bridges on interstates and expressways



# Candidate Bridge Locations



## Candidate Bridge Projects ●



- A I-81 Susquehanna
- B I-80 Nescopeck
- C I-78 Lenhartsville
- D I-80 Lehigh
- E I-95 Girard Point
- F I-83 South Bridge
- G I-80 Canoe Creek
- H I-80 North Fork
- I I-79 Bridgeville

# Major Bridge P3 Initiative at a Glance



**Project Overview:** The purpose of the Project is to deliver infrastructure improvements focusing on the rehabilitation and replacement of nine major bridges (and associated roadways) across the Commonwealth.

<u>Procurement Method</u>	<u>Construction Cost (\$m)</u>	<u>Concession Period</u>	<u>Repayment Method</u>	<u>Toll Collection</u>
Progressive P3 DBFM	~\$2,368	TBD	Availability Payments funded by toll revenues backstopped by PennDOT	Operated by PTC with toll setting authority maintained by PennDOT

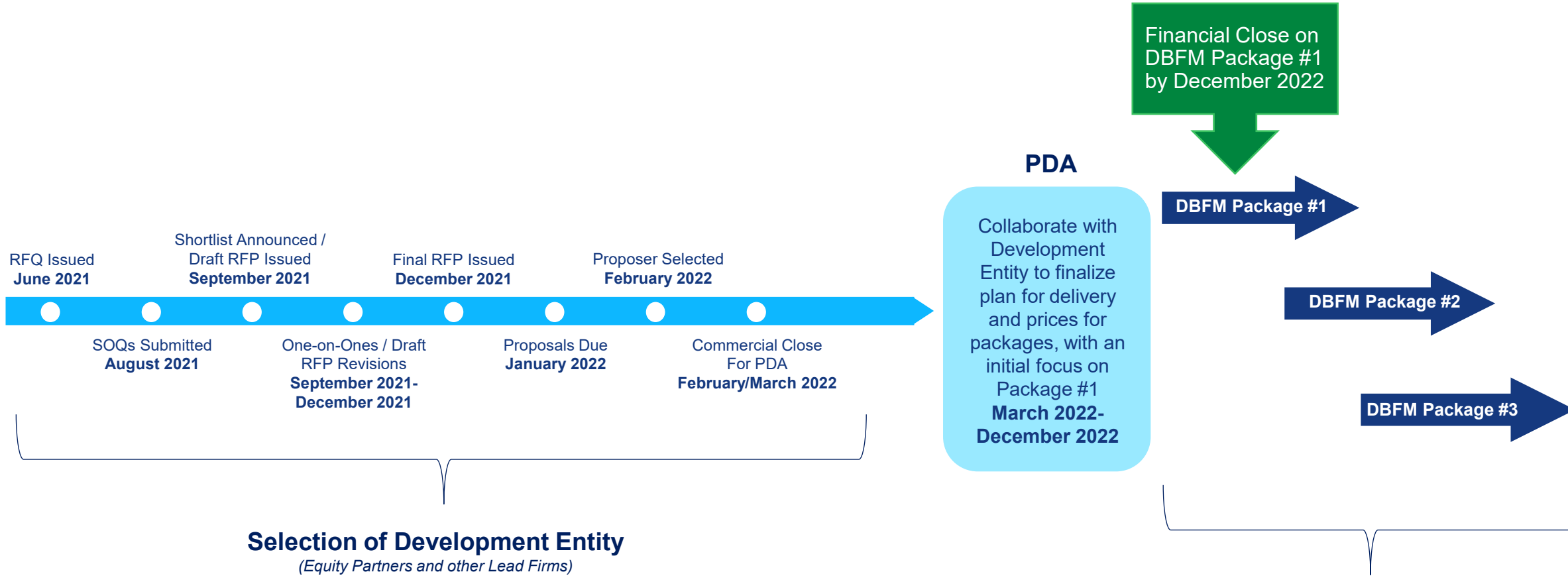
## Project Milestones:

- 11/12/20: Project received P3 Board approval
- 02/22/21-03/12/21: Project RFI release and submission date
- 03/29/21-04/02/21: Virtual One-on-One Meetings with Industry
- 3/29/21 and 05/06/21: Industry Outreach Presentations
- 06/28/21: RFQ Release
- 08/12/21: SOQ Submissions Due
- 09/20/21: Shortlisted Teams Announced

# Major Bridge P3 Initiative Overview Timeline



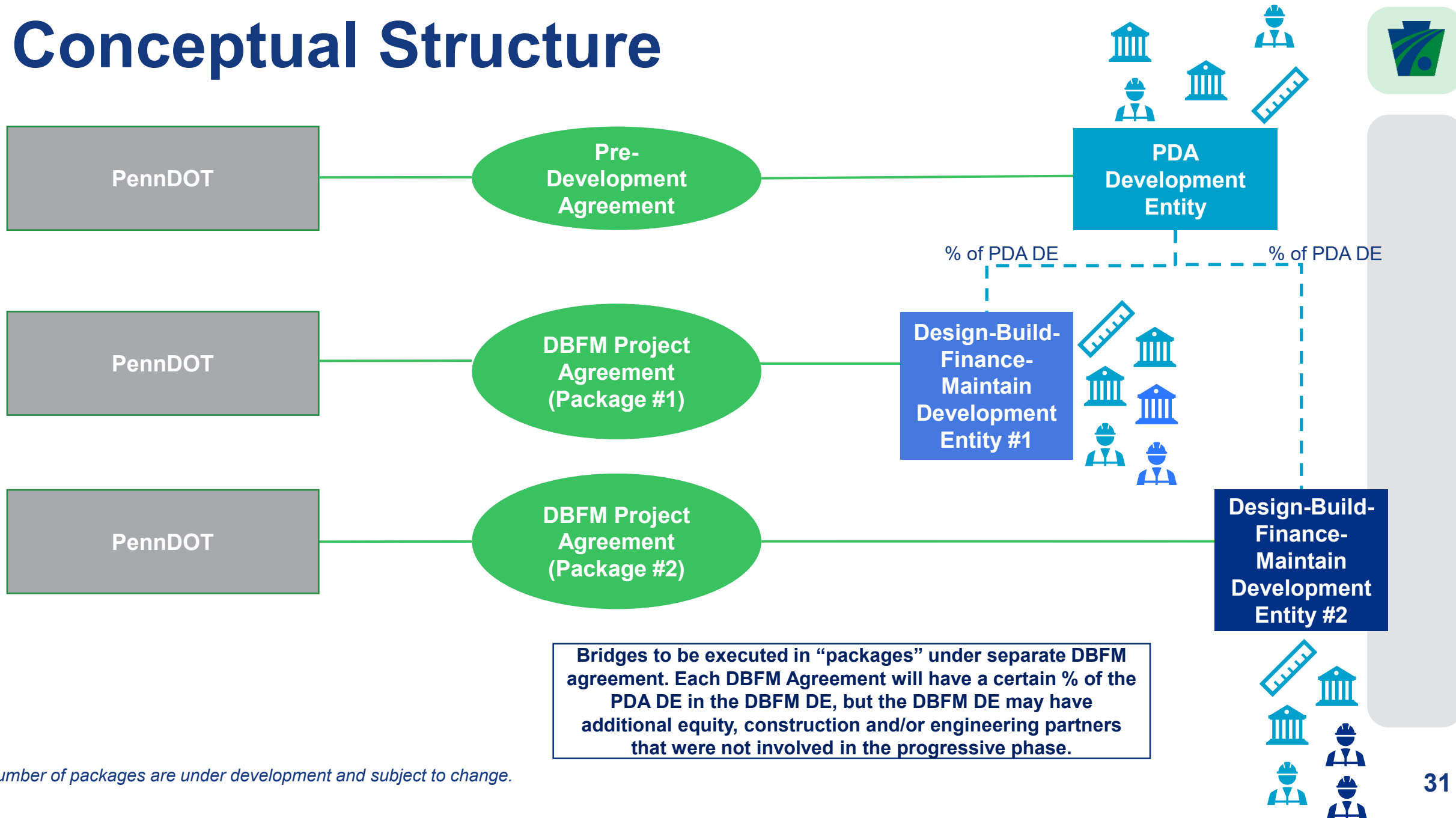
Industry Outreach Events  
March/April 2021



**Notes**

- Number of packages are under development and subject to change.
- Actual dates are under development and subject to change.

# Conceptual Structure



*Number of packages are under development and subject to change.*

# Development Entity Structure for SOQ



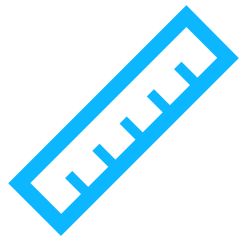
- Respondents that submitted Statements of Qualification were required to include the following roles for Major Team Members:



Equity Members



Lead Construction Contractor



Lead Engineering Firm



Independent Quality Firm



# PDA Development Entity Shortlisted Proposers



The following three teams were shortlisted on September 20, 2021

	Keystone Pathway Developers	Bridging Pennsylvania Partners	Keystone Pathways Mobility Partners
<b>Equity Members</b>	<ul style="list-style-type: none"> <li>• Kiewit Development Corporation</li> <li>• Star America PA Bridges</li> </ul>	<ul style="list-style-type: none"> <li>• Macquarie Infrastructure Developments LLC</li> <li>• Shikun &amp; Binui Concessions USA Inc</li> </ul>	<ul style="list-style-type: none"> <li>• Cintra Infrastructure SE</li> <li>• Itinera Infrastructure and Concessions Inc.</li> </ul>
<b>Lead Construction Contractors</b>	<ul style="list-style-type: none"> <li>• Kiewit Infrastructure Co. dba Keystone Pathway Constructors</li> </ul>	<ul style="list-style-type: none"> <li>• Shikun &amp; Binui - America Inc</li> <li>• FCC Construcción, SA</li> </ul>	<ul style="list-style-type: none"> <li>• North Tarrant Infrastructure, LLC</li> <li>• Halmar International LLC</li> </ul>
<b>Lead Engineering Firm</b>	<ul style="list-style-type: none"> <li>• Kiewit Engineering Group, Inc.</li> </ul>	<ul style="list-style-type: none"> <li>• STV Incorporated</li> </ul>	<ul style="list-style-type: none"> <li>• Jacobs Engineering Group, Inc.</li> </ul>
<b>Independent Quality Firm</b>	<ul style="list-style-type: none"> <li>• Urban Engineers, Inc.</li> </ul>	<ul style="list-style-type: none"> <li>• SAI Consulting Engineers, Inc.</li> </ul>	<ul style="list-style-type: none"> <li>• KS Engineers, P.C.</li> </ul>

# Draft RFP Documents Released to the Shortlisted Proposers



Since September 30th, multiple draft versions of RFP documents have been released for review and comment by Shortlisted Proposers, with the release of the Final RFP scheduled for mid-December.

## Instructions to Proposers

The Instructions to Proposers document provides the Shortlisted Proposers with all information needed to submit their Proposals in January, including scope of work, procurement requirements, and evaluation criteria.

## Project Agreement Term Sheet

The draft Project Agreement Term Sheet serves as the basis for the Project Agreement documents for each of the future Packages. It includes key terms related to each of the future DBFM P3s.

## Draft Predevelopment Agreement (PDA) & Exhibits

The PDA document will be finalized and signed by PennDOT and the selected PDA DE in Spring 2022. The PDA outlines the PDA DE's obligations to perform PDA Work, deliver Package Proposals, finalize individual package Project Agreements and ultimately reach financial close for each Package.

Exhibits to the PDA include the technical requirements during the PDA period.


# RIDs Released to Shortlisted Proposers



Reference Information Documents (RIDs) have been uploaded continuously throughout the RFP process. Currently, there are over **4,900** separate RIDs documents in the Data Room.

The RIDs include the following subcategories of documents:



 Constructability Assessment

 Pavement Design

 Railroads Information

 Utilities

 Geotechnical Investigations

 Plans of the Existing

 Right-of-Way

 Environmental & Permitting

 Hydrology & Hydraulics

 Plans of the Proposed

 Survey Data

 Local Coordination

 Project Summary Sheet

 Traffic Information

Note: additional RIDs on NEPA Timeline and Tolling are also provided for all of the bridge projects

# Procurement Schedule



Date	Milestone
September 30, 2021	First Draft RFP issued to Shortlist
November 16, 2021	DBE Outreach Event
December 13, 2021	Final RFP issued to Shortlist
January 12, 2022	Proposals Due
February 2022	Proposer Selected
February/March 2022	PDA Commercial Close
Summer / Fall 2022	Commercial Close for 1 <sup>st</sup> DBFM Package
December 2022	Financial Close for 1 <sup>st</sup> DBFM Package

# P3 Board Meeting

New Business

Other Business

Public Comments

Adjournment

Next **TENTATIVE**  
Board Meeting:

June 15, 2022 - 1:00 P.M.

