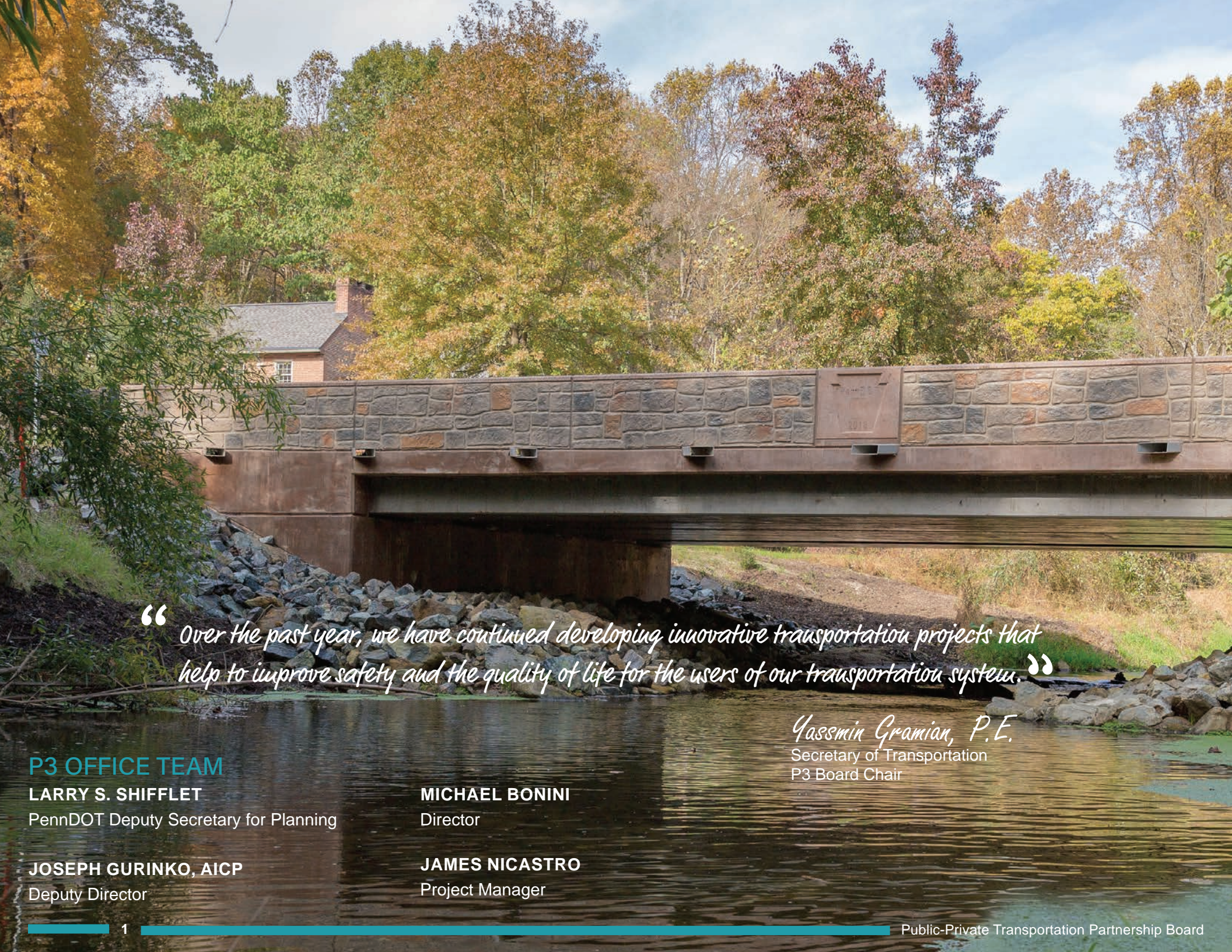




P3 Report for
PENNSYLVANIA 2019-2020

presented by the P3 Board

PUBLIC-PRIVATE TRANSPORTATION PARTNERSHIP BOARD



“Over the past year, we have continued developing innovative transportation projects that help to improve safety and the quality of life for the users of our transportation system.”

Yasmin Gramian, P.E.
Secretary of Transportation
P3 Board Chair

P3 OFFICE TEAM

LARRY S. SHIFFLET
PennDOT Deputy Secretary for Planning

MICHAEL BONINI
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Deputy Director

JAMES NICASTRO
Project Manager



Letter from the **SECRETARY**

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Secretary of Transportation, Chair

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PA House of Representatives

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Appointee of House Majority Leader

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Business Manager, International Union of

Operating Engineers, Local 66

Appointee of the Senate Minority Leader

JEN SWAILS

Secretary of the Budget

On behalf of the Public-Private Transportation Partnership Board (P3 Board), I am pleased to present the 2019-2020 activities report. Over the past year, we have continued developing innovative transportation projects that help to improve safety and the quality of life for the users of our transportation system.

This report includes project and Department updates that highlight our accomplishments and demonstrate our ongoing activities which continue to create successful programs. The P3 Board met twice in 2019 and approved the Partnership 81 project, which aims to address needed safety and mobility improvements along a section of I-81 near the City of Wilkes-Barre, Luzerne County. This project includes the reconstruction and widening of I-81 to three lanes in each direction and the replacement of poor condition bridges along the corridor.

The Rapid Bridge Replacement (RBR) project was more than 99 percent complete by the end of 2019, with a total of 556 completed bridges, and an anticipated 2020 completion for the final two bridges. Our compressed natural gas (CNG) project has opened a total of 16 stations to date for use by transit agencies and private-sector fleets, with three more stations scheduled for completion in 2020. The Safety Service Patrol sponsorship, which aids stranded motorists, has helped to offset the cost required to maintain our commitment to enhancing safety on interstates and expressways.

The P3 Office also continues to support our collective efforts to advance our transportation system with innovative projects and project delivery methods that create a more efficient and resilient transportation network. By continually developing new programs and initiatives we are also able to provide more local private sector opportunities, creating a stronger economy.

Yassmin Gramian, P.E.
Secretary of Transportation
P3 Board Chair

What is new with the **RAPID BRIDGE REPLACEMENT (RBR) PROJECT**



The Rapid Bridge Replacement (RBR) project is a globally recognized innovative delivery project for infrastructure management. At the end of 2019, construction on 556 bridges was complete; the final two will be completed in 2020. These new bridges will be maintained by our private partner, Plenary Walsh Keystone Partners, for 25 years. The replaced bridges represent statewide rural regions that are now safe from facing bridge closures or postings, securing the communities' transportation network and vitality.





MILESTONES

- Project is 99.6% complete
- 556 bridges constructed by the end of 2019
- Construction will be completed in 2020
- Bridges replaced in each PennDOT District



You Should Know...

- Over **50 Pennsylvania-based contractors** and designers have been involved with the RBR project
- **27,325 project document submissions** were processed by the PennDOT team
- **5,251 design items** were reviewed by PennDOT Districts

In 2019, PennDOT carried out a **Lessons Learned** initiative for the RBR project, gathering feedback and data through a series of six workshops and executive meetings, which hosted over 140 attendees in total, across the Commonwealth. The resulting data from this initiative was compiled into the RBR Lessons Learned Report, which can be found at [P3.pa.gov](https://www.p3.pa.gov).

About the PARTNERSHIP 81 PROJECT

Approved by the P3 Board in December 2019, the Partnership 81 project aims to address needed safety and mobility improvements along a section of I-81 near the City of Wilkes-Barre, Luzerne County. These improvements include the reconstruction and widening of I-81 to three lanes in each direction; replacement of poor condition bridges; the elimination of a left-hand exit currently existing on I-81; and the redesign of other intersections immediately off I-81.





MILESTONES

- Conducted feasibility analysis of candidate P3 project
- Received approval to proceed with new P3 project from the P3 Transportation Board in December 2019
- Completed Scoping Field View with Federal Highway Administration (FHWA) in March 2020



FUTURE TASKS

- Begin Preliminary Engineering (PE) phase of the project
- Conduct P3 Procurement
 - ▶ Develop project Request for Qualifications (RFQ)
 - ▶ Identify and announce Shortlisted Teams
 - ▶ Conduct one-on-one meetings with Shortlisted Teams
 - ▶ Issuance of Request for Proposals (RFP) to Shortlisted Teams
 - ▶ Project award

What is new with

COMPRESSED NATURAL GAS (CNG) FUELING STATIONS

You Should Know...

- Pennsylvania transit agencies have already **saved an estimated \$2.6 million through May 2020** when compared to the price of diesel fuel
- Project will pay for itself through a combination of **fuel cost savings** and economies of scale **as a result of having one design/ construction team** build the 25 fueling stations



About the project

CNG costs less and burns cleaner than conventional gas and diesel, allowing for cost savings and extended vehicle engine life. Trillium CNG, the development entity and partner, will supply CNG fueling equipment to 25 transit facilities and up to 750 transit agency vehicles throughout the Commonwealth. Trillium will make CNG-related safety upgrades to existing transit maintenance facilities and will design, build, finance, operate and maintain the CNG fueling stations until 2037.



MILESTONES

- 16 stations are completed to date



FUTURE TASKS

- 19 stations expected to be completed by the end of 2020
- Anticipated construction completion in 2024

What is new with

PENNDOT SPONSORSHIP AND ADVERTISING PROGRAM

About the service

PennDOT is working to select a private partner to develop sponsorship and advertising opportunities to offset operational costs incurred by PennDOT. This includes continuing the Safety Service Patrol program, in partnership with State Farm, which will provide motorists with free assistance on Pennsylvania's busiest interstates and expressways in five metropolitan areas across the Commonwealth.



You Should Know...

- The PennDOT Safety Service Patrol provides **free assistance to over 22,000 motorists each year**

The Shape of Things to Come: PA INTERSTATE FOCUS

For the foreseeable future, much of the P3 Office's efforts will be focused on Pennsylvania's Interstate system. Across the state, the Interstate network makes up 6 percent of lane miles, yet carries 26 percent of the state's daily traffic. Nearly 60 percent of the Interstate network is more than 40 years old, and 51 percent of the bridges have exceeded their original 50-year design life. Combine these metrics with increased demand by auto and truck users on this aging network, and it's easy to understand why available funding hasn't been able to keep up with maintenance needs. The latest estimate of funding needed to keep Pennsylvania's Interstate system in a state of good repair is \$1.2 billion annually.

Public-Private Transportation Partnerships can help bridge the gap between interstate needs and funding by accelerating project delivery, providing private-sector investment to complete projects and decreasing construction/maintenance costs through innovation. Further cost savings can be realized by bundling opportunities, whether the approach be by corridor, county, PennDOT District or region. P3 delivery can help enhance the interstate improvement program by getting much-needed improvements in place earlier and paying for them over time.



Why an interstate focus for P3 delivery?

- ✓ Ability to accelerate delivery of infrastructure improvements
- ✓ Well-documented statewide needs
- ✓ Limited resources to address needs
- ✓ Ability to bring private investment to Pennsylvania

What is new with the PENNDOT P3 OFFICE

The following unsolicited proposals have been received and are being evaluated by the P3 Office:

Unsolicited Proposal	Submitted By:
Environmental P3 Solutions	Resource Environmental Solutions
PennDOT Truck Parking Expansion Program	Truck Specialized Parking Services, Inc.
Commercial Truck Parking / Private Truck Parking	JJGD LLC
PennDOT Solar Initiative	Solar Renewable Energy, LLC
Mercer County Bridge Bundling Project	CDR Maguire / Brayman Construction JV

The P3 Office also evaluated the following proposals which were dismissed.

Unsolicited Proposal	Submitted By:	Status
Erie County Unsolicited Bridge Bundle P3	CDR Maguire / Brayman Construction JV	Proposal withdrawn by submitter
Rapid Stormwater Rehabilitation	Abel Recon and Rettew Associates	Dismissed due to a lack of feasible financial plan
P3 for Rapid Implementation and Effective Management of Stormwater Assets	Corvias / Plenary	Dismissed due to a lack of feasible financial plan
Philadelphia SPaT Challenge PPP	American Tower Corporation	Dismissed due to a lack of feasible financial plan
Accelerated Reconstruction P3	Itinera Infrastructure & Concessions, Inc.	Dismissed due to a lack of feasible financial plan
Delaware River Bridge (I-95 Turnpike) Replacement	Itinera Infrastructure & Concessions, Inc.	Dismissed due to a lack of feasible financial plan

OTHER PROJECTS

CHALFONT MITIGATION BANKING PROJECT

The proposed Chalfont Mitigation Banking P3 project was removed from consideration as a P3 project in late 2019. Due to site changes that occurred naturally during PennDOT's ownership, the site could no longer be marketed as a public-private partnership. However, the technical work done during the P3 project review will be utilized by PennDOT moving forward, as PennDOT plans to identify options available to develop the site as a mitigation bank using traditional procurement methods.



NORTHAMPTON COUNTY BRIDGE RENEWAL PROGRAM

Approved by the P3 Board in November 2015, the Northampton County Bridge Renewal Program aims to replace and rehabilitate a number of bridges across the county.



MOVING FORWARD

The P3 Office is constantly evaluating how to make the program better and make more informed decisions. In an effort to assist this process, the P3 Office frequently publishes Requests for Proposals (RFIs) to gather information from industry experts, and also accepts Unsolicited Proposals twice each year in pursuit of new innovative opportunities.

For More Information:
Public-Private Transportation Partnership Board
Email: P3ForPA@pa.gov