

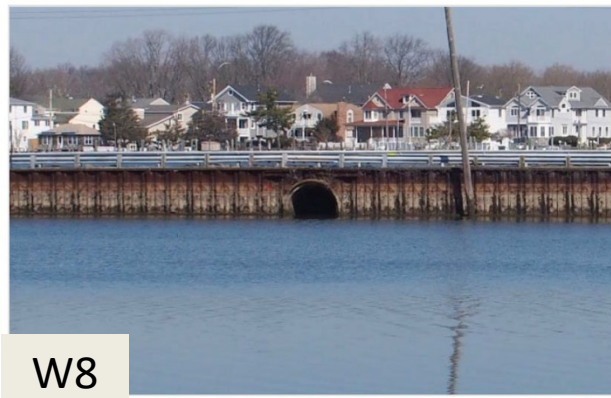
Monmouth County Three Bridges

Boroughs of Brielle and Manasquan

Bridge W-7, Green Avenue over Debbie's Creek

Structure W-8, Fisk Avenue Culvert between Debbie's Creek
and The Glimmer Glass

Bridge W-9, Brielle Road Bridge over The Glimmer Glass



Project Update (for Website)

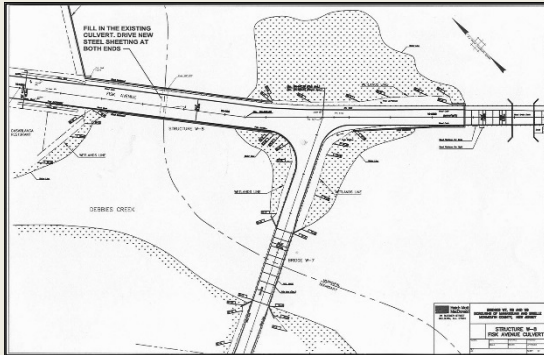
October 2024

Project Update

- Public Interaction to Date
- Review of Purpose and Need & Goals
- Recommended Preliminary Preferred Alternative (PPA) for each Bridge
- Next Steps
- Opportunities for Input



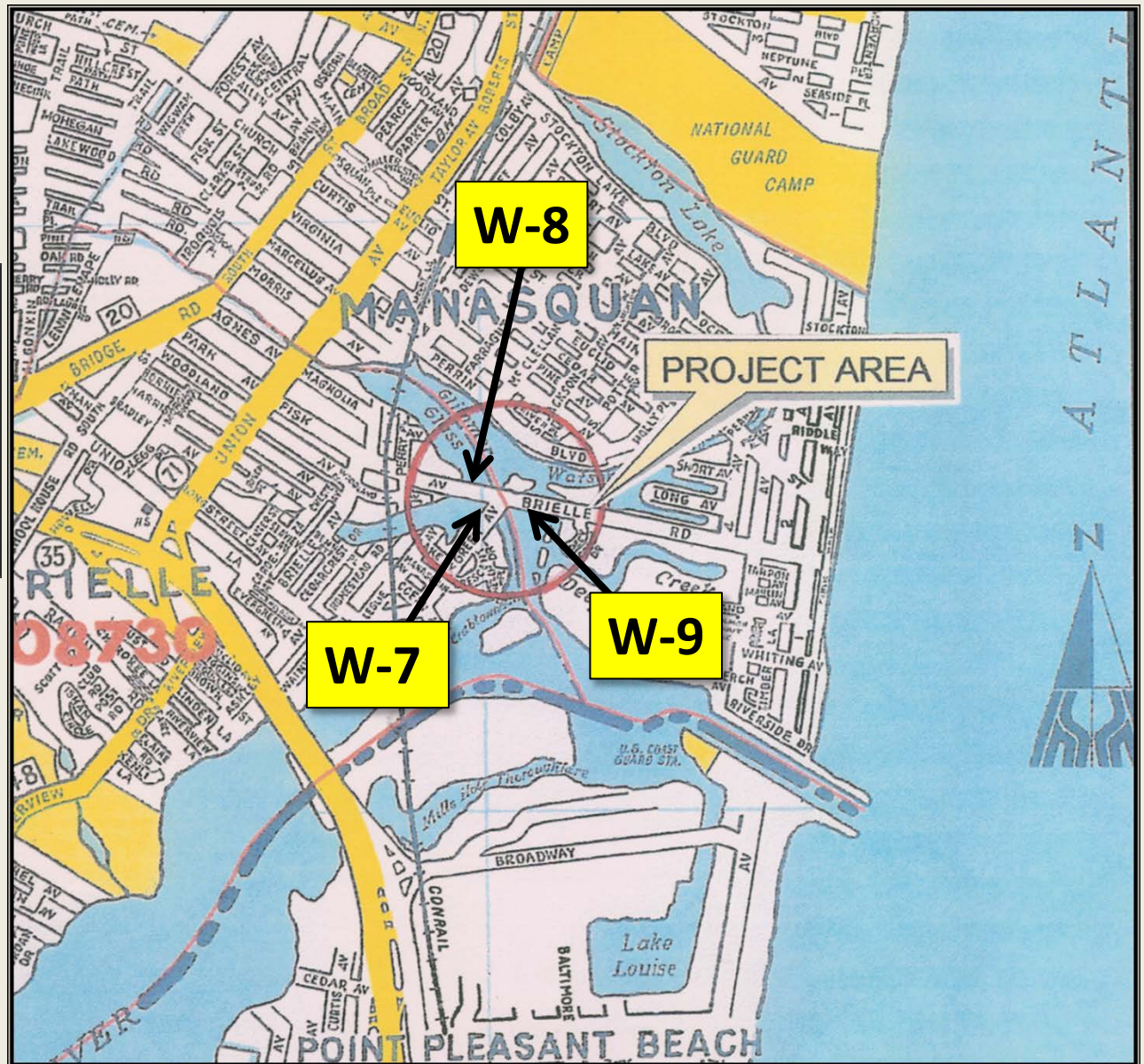
Location Map



Bridge W-7
(Green Avenue)

Structure W-8
(Fisk Avenue)

Bridge W-9
(Brielle Road)



Project Delivery Process



Public Interaction to Date (since 2016)

(Summaries of Meetings available on Project Website)

<https://www.monmouthcountythreebridges.com/meetings/>

- **Meetings – Round 1 (April & May 2016)**

Re-Introduced Project, Solicited Public Opinion on Purpose, Needs, Goals and Objectives

- Local Officials Briefing, Brielle and Manasquan
- Stakeholder Meeting
- Public Information Centers, Brielle and Manasquan

- **Meetings – Round 2 (Nov. & Dec. 2016)**

Reviewed Project Alternatives

- Local Officials Briefing, Brielle and Manasquan
- Stakeholder Meeting
- Public Information Centers, Brielle and Manasquan

- **Meetings – Round 3 (February 15, 2018)**

Presenting Preliminary Preferred Alternatives (PPAs)

- Public Information Centers, Brielle and Manasquan



Public Interaction to Date (since 2016)

(continued)

- **Project Website (initiated 2016)**

monmouthcountythreebridges.com

Project Information, FAQs, Contact Information

- **Email / Letter Comments**



Project Purpose

To provide a safe and efficient crossing for all modes of travel within the project limits by addressing the geometric, structural, operational and maintenance deficiencies of:

Bridge W-7 (Green Avenue over Debbie's Creek),
Structure W-8 (Fisk Avenue Culvert), and
Bridge W-9 (Brielle Road over the Glimmer Glass)

Project Needs

- Bridge Needs (including emergency vehicles, structural integrity, clearances, bridge width, operations and maintenance)
- Roadway Needs (Lane/Shoulder Widths)
- System Linkage (Roadway Network Connectivity, Emergency Response, Coastal Evacuation, Marine Access)
- Pedestrian and Bicycle Compatibility / ADA

Project Goals and Objectives

- Reduce safety risks for all users
- Provide sidewalk connectivity
- Reduce the frequency of major bridge maintenance activities
- Maintain traffic with minimum disruption during construction
- Avoid or minimize social, economic and environmental impacts
- Avoid, minimize and, if necessary, mitigate adverse effects on the National and NJ Register of Historic Places listed Bridge W-9
- Incorporate Context Sensitive Solutions approach into the design



Environmental Elements Considered

- **Noise**
- **Air Quality**
- **Potential Ecological Constraints** - Floodplains, Wetlands, Waterbodies, Fish and Shellfish Habitat, Submerged Aquatic Vegetation, Threatened & Endangered Species, etc.
- **Cultural Resources** - Historic Bridge, Building, District or Site
- **Section 4(f) Involvement** - Historic Sites, Historic Bridges, Publicly owned Park Recreation Area, Wildlife or Waterfowl Refuge
- **Hazardous Materials**
- **Socioeconomics**
- **Environmental Justice**
- **Public Reaction**



Monmouth County Three Bridges

Boroughs of Brielle and Manasquan

Bridge W-7, Green Avenue over Debbie's Creek

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and The Glimmer Glass

Bridge W-9, Brielle Road Bridge over The Glimmer Glass

Recommended Preliminary Preferred Alternatives

W-7: Green Avenue over Debbie's Creek



EXISTING CONDITIONS:

- **NARROW BRIDGE ROADWAY WIDTH (21.7')**
- **SUBSTANDARD LIVE LOAD CAPACITY**
- **SUBSTANDARD RAILINGS**
- **2023 NBIS REPORT SUFFICIENCY RATING OF 31.5 OUT OF 100**



W-7: Green Avenue over Debbie's Creek



Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-7 Green Avenue over Debbie's Creek

Alternative 3: Replacement with a Wider Bridge

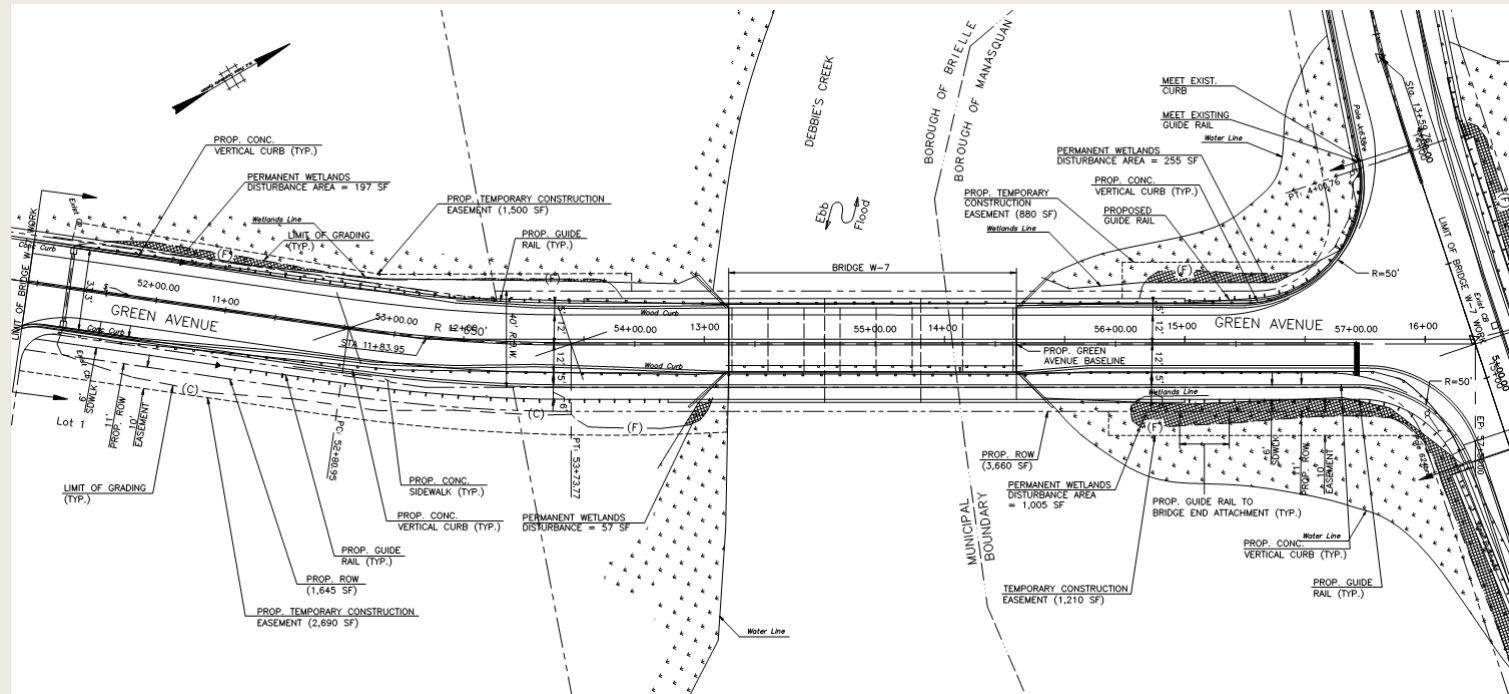
- Meets project purpose and all project needs
- Meets many project goals and objectives
- Provides new bridge with more durable materials (concrete)
 - Architectural treatments can be explored in final design
- Reduces number of piers/spans
- Widens bridge to provide standard width lanes with bicycle compatible shoulders and standard ADA compliant sidewalk

Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-7

Green Avenue over Debbie's Creek

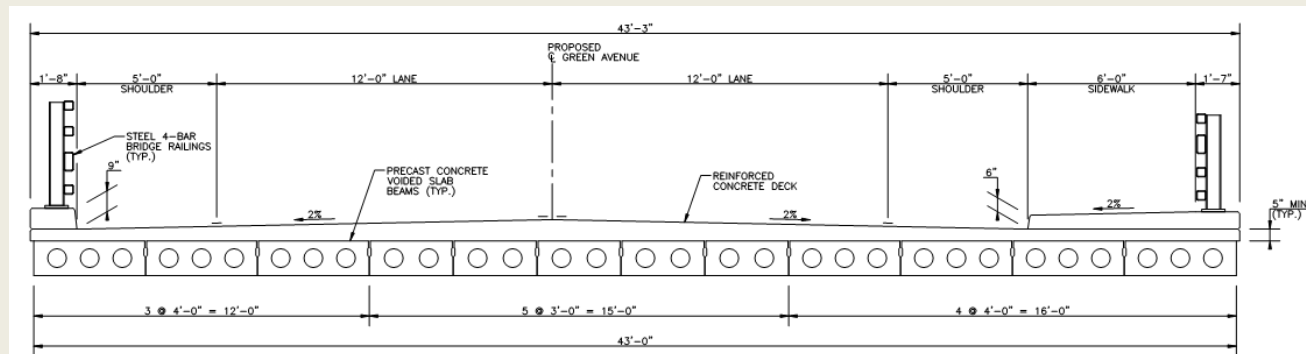
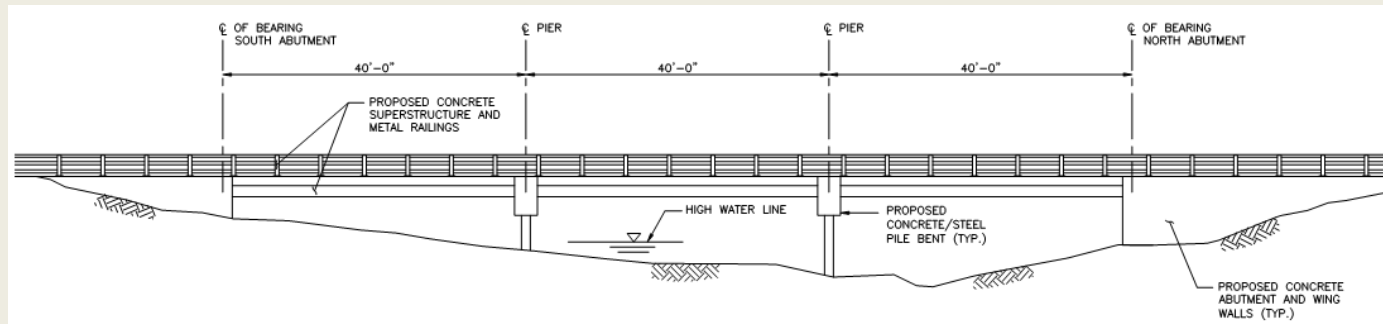
Alternative 3: Replacement with a Wider Bridge



Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-7 Green Avenue over Debbie's Creek

Alternative 3: Replacement with a Wider Bridge



W-8: Fisk Avenue Culvert



EXISTING CONDITIONS:

- CULVERT SUBMERGED AND PARTIALLY SILTED
- DETERIORATED STEEL SHEETING RETAINING WALLS AND CULVERT PIPE



W-8: Fisk Avenue Culvert



Fisk Avenue, looking west

Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-8 Fisk Avenue Culvert

Alternative 4: Replacement of Culvert

- Meets project purpose and all project needs
- Meets many project goals and objectives
- Provides new culvert with similar materials (concrete)
 - Match existing hydraulic opening
- Replaces steel bulkhead at each end of culvert
- Add on: replace steel bulkhead full length of causeway, both sides of roadway

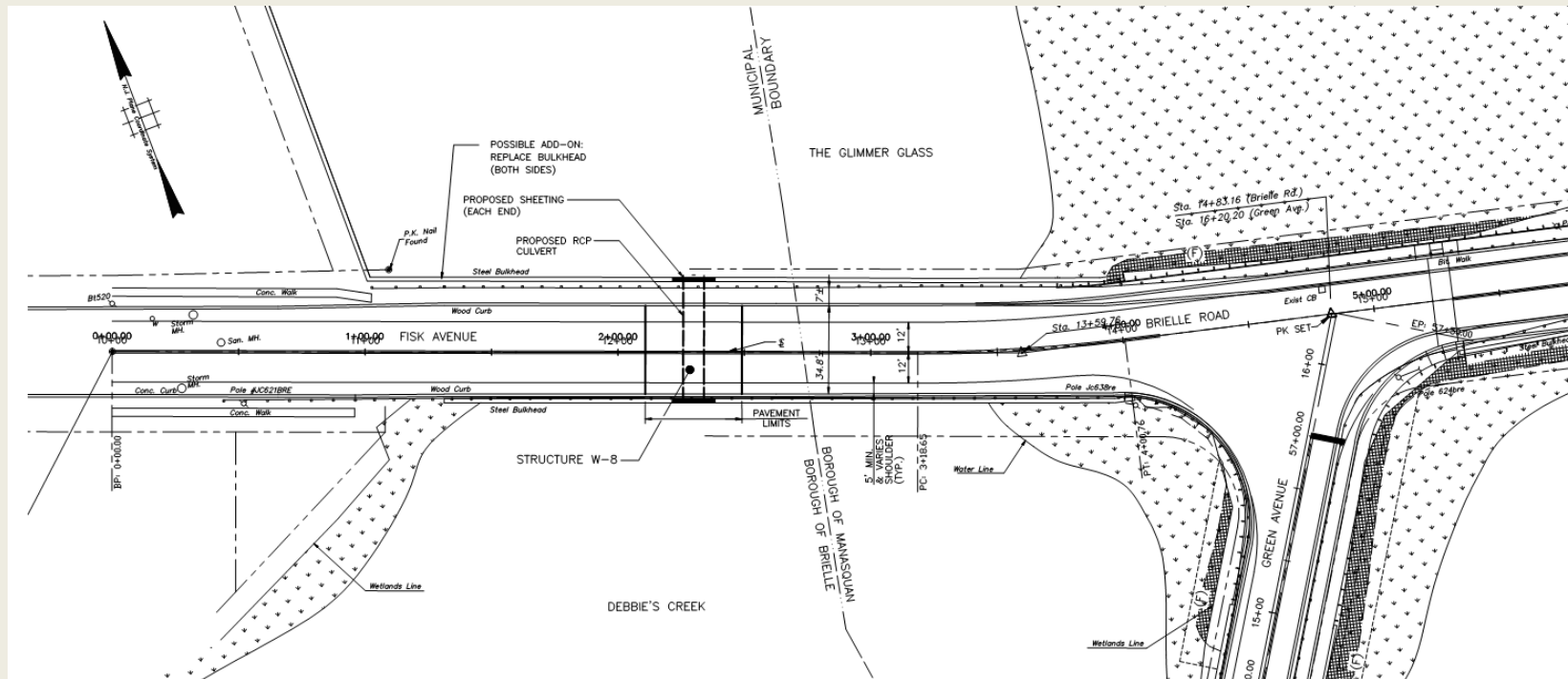


Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-8

Fisk Avenue Culvert

Alternative 4: Replacement of Culvert



W-9: Brielle Road over The Glimmer Glass



EXISTING CONDITIONS:

- **NARROW BRIDGE ROADWAY WIDTH (19.3' MIN. & VARIES)**
- **SUBSTANDARD LIVE LOAD CAPACITY**
- **SUBSTANDARD RAILINGS**
- **SUBSTANDARD VERTICAL CLEARANCE**
- **SUBSTANDARD & NON-REDUNDANT MECHANICAL & ELECTRICAL SYSTEMS**
- **2023 NBIS REPORT SUFFICIENCY RATING OF 9.1 OUT OF 100**

W-9: Brielle Road over The Glimmer Glass

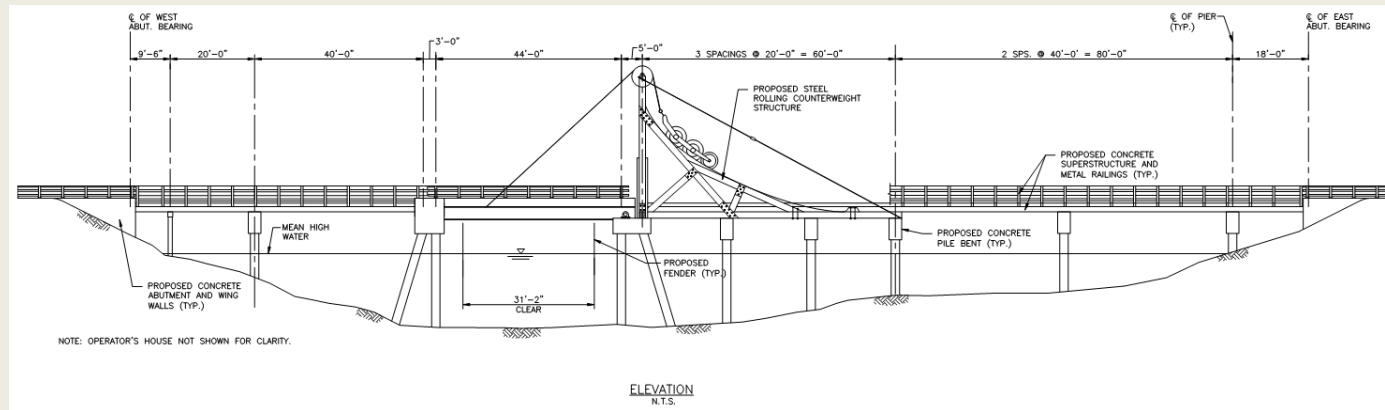


Recommended Preliminary Preferred Alternative

Monmouth County Bridge W-9 Brielle Road over the Glimmer Glass

Alternative 4D: Build New Bridge on Current Alignment – Movable Bridge, Rolling Counterweight

- Meets project purpose and needs and many project goals and objectives
- Build new, rolling counterweight bridge in same location
- Provide standard lane and shoulder widths, and ADA compliant sidewalks



Current Efforts

Application for Project Authorization

- Submitted Application for Project Authorization to State Historic Preservation Office (SHPO)
 - September 2024
- Historic Sites Council Meeting
 - Scheduled October 17, 2024

Continued Public Outreach

- Opportunity for input via Project Website
 - Email to Monmouth County / NV5 Facilitators
 - See contact information on Slide 26



Next Steps

- Presentation to the Historic Sites Council
- Environmental Assessment Document/ Section 4(f)
- Federal Authorization For Final Design
 - RFP for Final Designer and Award
 - Final Design Phase, including permits, additional PIC, NJDOT Review, and PS&E
 - Selection of Construction Engineer Consultant and Contract Administration and Inspection (CA&I)
 - Construction Bidding, Contractor Selection and Award
 - Start Construction



Input (Comments / Questions)

- Check FAQs on website:

monmouthcountythreebridges.com

- Input comments via Project Website prompt
- Email or send Comments to Facilitators



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County Project Facilitator

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Denice daCunha
Project Facilitator

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P: (973) 946-5624
E: MonmouthCountyThreeBridges@NV5.com



Future / Additional Opportunities to Comment

- During various environmental approval / permitting processes (including Section 106, National Environmental Policy Act [NEPA])
- Final Design Public Information Center



Thank You



monmouthcountythreebridges.com

