

COUNTY OF BERGEN / COUNTY OF ESSEX
Kingsland Avenue (Avondale and De Jessa Memorial) Bridge Replacement
over the Passaic River
Township of Lyndhurst and Township of Nutley, New Jersey
Final Design Phase



Community Stakeholders Meeting No. 1
May 4, 2026



Online Meeting Guidelines

- This meeting is being recorded, for internal project team use only.
- Please keep all phones/mics on mute unless speaking.
- Cameras may be on during introductions and Q&A, but please turn off during the presentation.
- Questions can be submitted at anytime during the presentation using the Chat feature
- During Q&A, questions and comments from Chat will be read aloud in order of receipt, and a Project Team member will respond.
- After Chat comments are addressed, participants can use Raise Hand feature to ask questions aloud.

MEETING AGENDA



I. WELCOME AND INTRODUCTION

- Project Overview & Update
- Local Project Delivery Process – Final Design Phase

II. BERGEN COUNTY / ESSEX COUNTY KINGSLAND AVENUE BRIDGE OVER THE PASSAIC RIVER

- Project Status and Schedule – *FD Phase Work Effort*
- Bridge Replacement – *Proposed Improvements and Detour Plans*
- Preliminary Right of Way & Access Impacts
- Environmental Process – *CED, Permits, Cultural Resources Mitigation, Tidelands License, Contamination Site Investigation and Bat Survey*
- Community Involvement – *Project Website and Public Outreach Meetings*

III. DISCUSSION

- Q&A Community Input – *Interests, Issues, Improvements*

IV. NEXT STEPS

- Anticipated Project Schedule – *Tentative Dates*
- Public Outreach: Website Updates, Public Information Center – *Online Meeting*

V. CLOSING REMARKS

Project Team

Bergen County Department of Planning & Engineering

- Joseph A. Femia, P.E., *Department Director / County Engineer*
- Joseph Baladi, P.E., P.P., C.M.E., *Planning Division Director (Bergen County Project Manager)*
- Martin Maver, P.E., *Supervising Engineer - Highways and Bridges*
- Adam Camerlengo, E.I.T., *Assistant Engineer*

Essex County Division of Engineering

- Sanjeev Varghese, P.E., P.P., *Public Works Director / County Engineer*
- Alexandra Pacelli, *Principal Engineer*

New Jersey Department of Transportation (NJDOT)

- Nabil Ayoub, *Supervising Engineer, Local Aid District 2*
- Paul Miranda, *Project Manager, Local Aid District 2*
- Sean Ream, *Environmental Project Manager, Bureau of Environmental Program Resources*
- Lindsay Thivierge, M.A., *Environmental Specialist, Bureau of Environmental Program Resources*

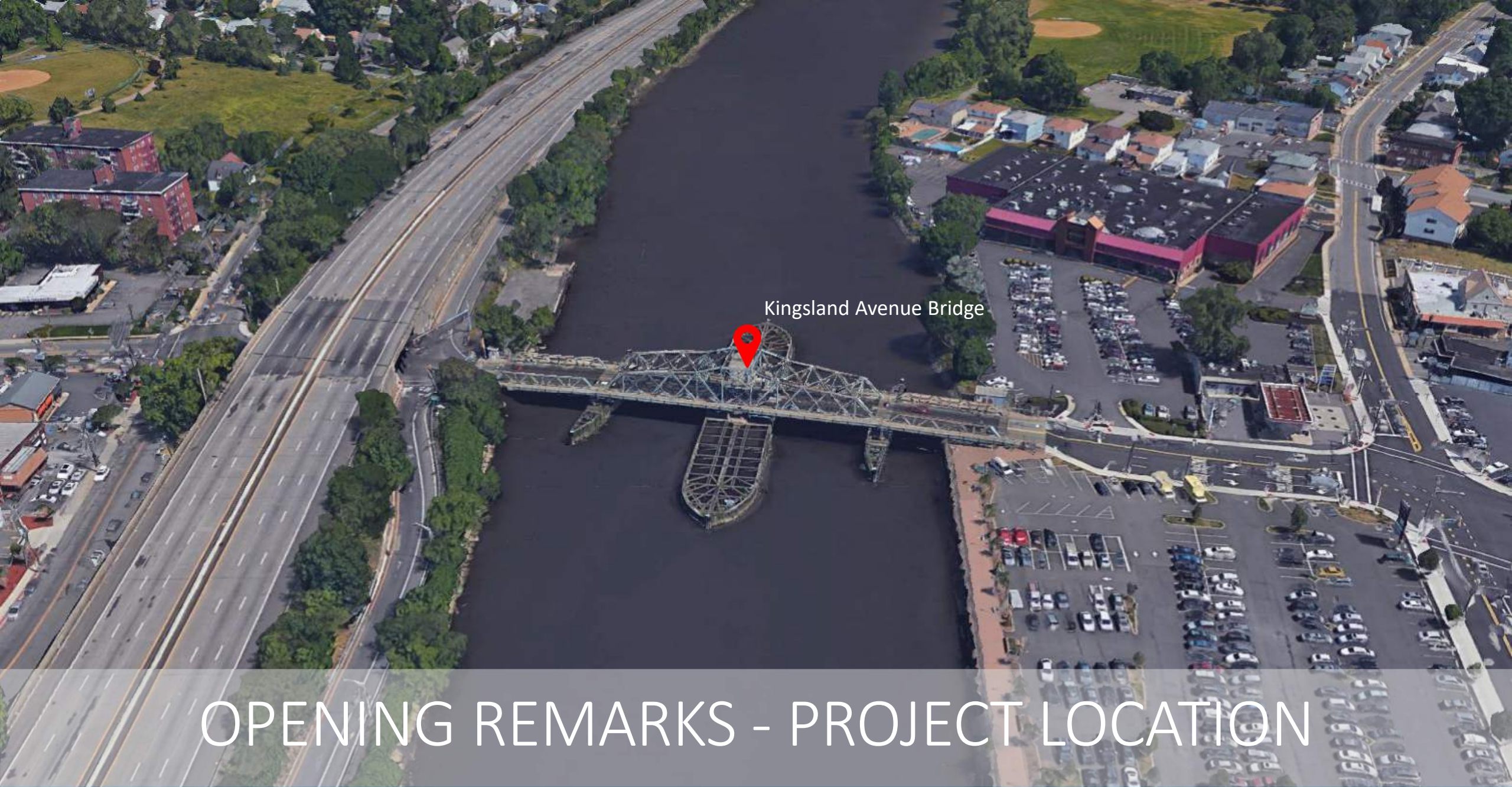
North Jersey Transportation Planning Authority (NJTPA)

- Sascha Frimpong, *NJTPA Senior Director, Local Project Development*
- Sarbjit Kahlon, *NJTPA Project Manager*

Hardesty & Hanover Team

- Glen Schetelich, P.E., *Principal in Charge, Hardesty & Hanover*
- Bruce Riegel, P.E., *Project Manager, Hardesty & Hanover*
- Brian Medino, P.E., *Deputy Project Manager, Highway Engineer, Hardesty & Hanover*
- Robert Supino, P.E., *Bridge Engineer, Hardesty & Hanover*
- Matt Witkowski, P.E., *Traffic Engineer, Hardesty & Hanover*
- Sue Quackenbush, PWS, *Environmental Specialist, Davey Resource Group*
- Chelsea Mansky, *Principal Senior Architectural Historian, Richard Grubb & Associates, Inc.*
- Martine Culbertson, *Community Involvement Facilitator, M.A. Culbertson, LLC*





Kingsland Avenue Bridge

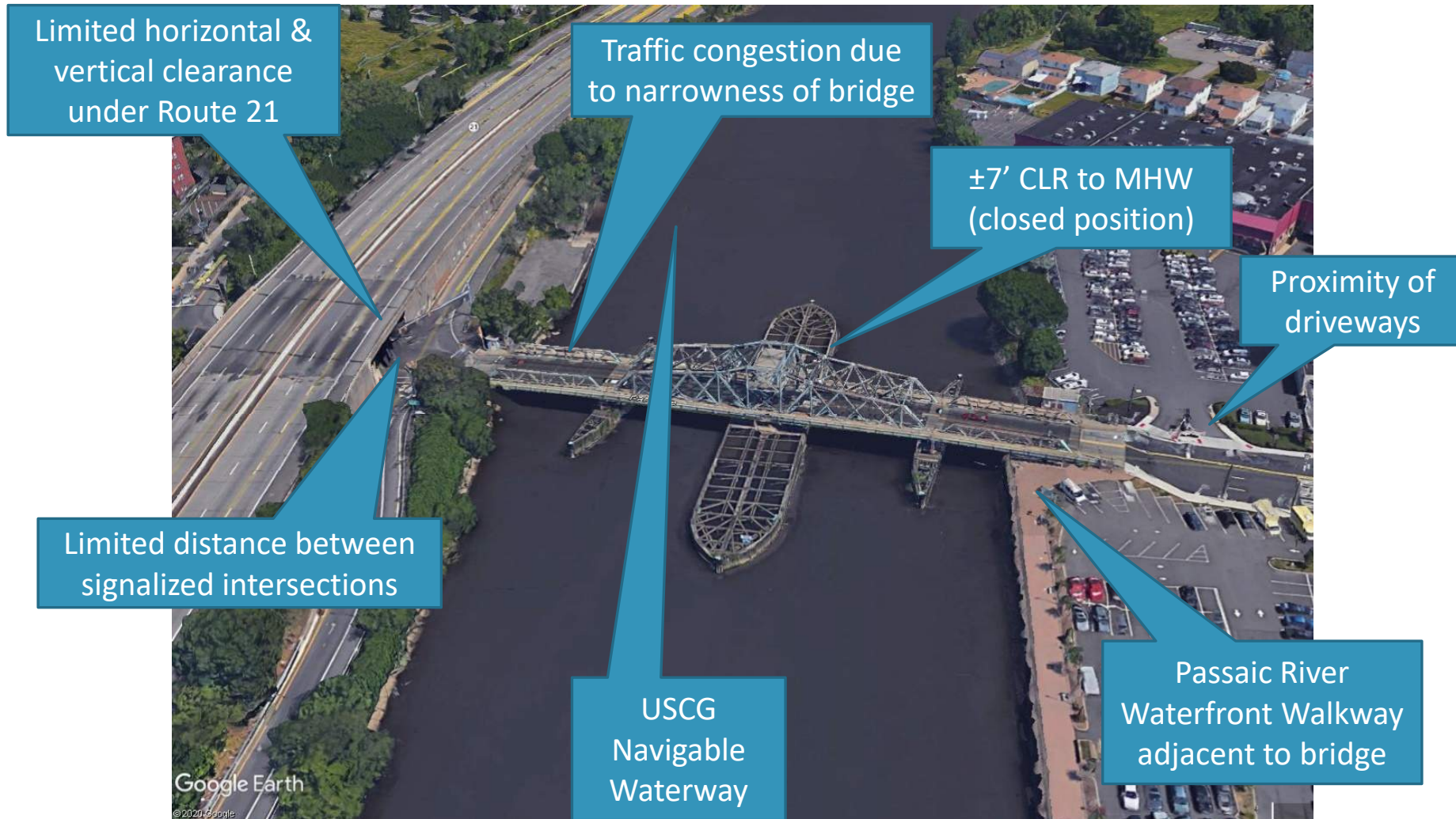
OPENING REMARKS - PROJECT LOCATION

Project Overview and Update

- Bridge Built in 1905
- Spans the Passaic River connecting Townships of Lyndhurst and Nutley
- Under jurisdiction of and maintained by Bergen and Essex Counties
- NJTPA Local Concept Development (LCD) Study completed in June 2020
- Local Preliminary Engineering (LPE) Phase completed in November 2024
- Final Design (FD) Phase commenced July 2025
- Federally funded



Challenges and Limitations

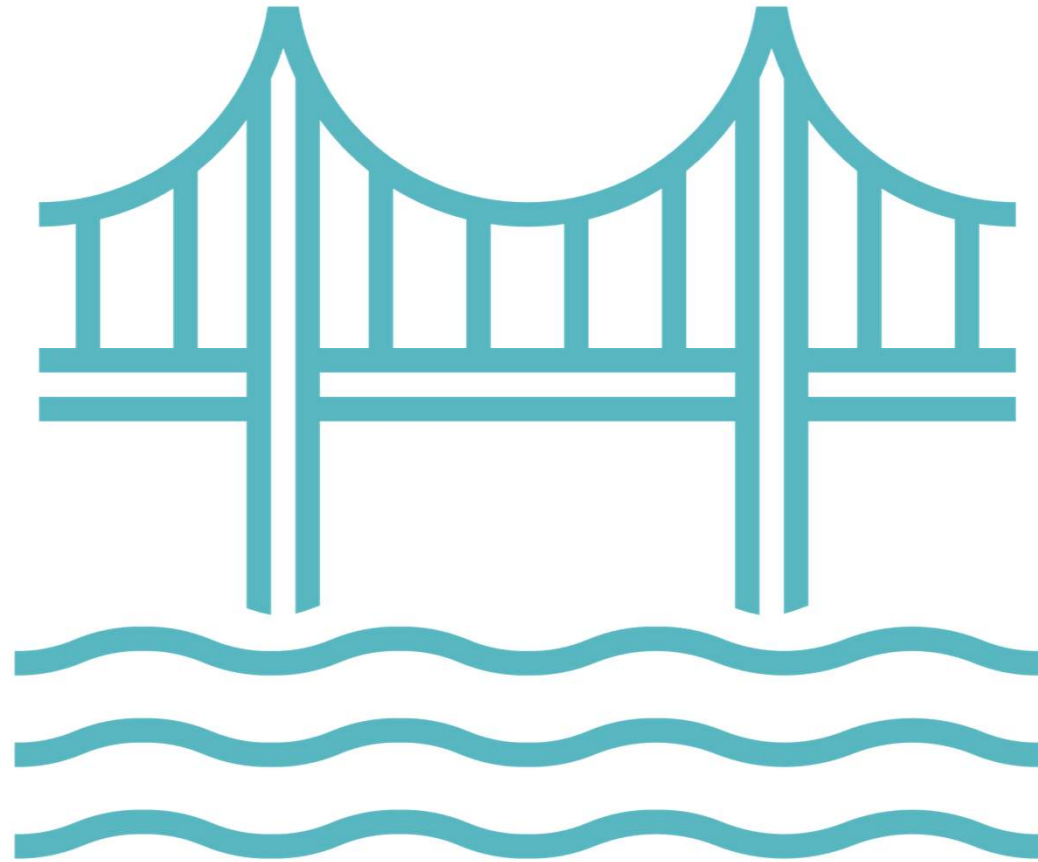


Kingsland Avenue Bridge over the Passaic River: Navigation Impact Report

- Channel usage
 - Predominantly recreational (R.M. 2.2 – 13.2)
- 16 Feet* minimum vertical clearance above MHW
 - Vicinity of Kingsland Avenue Bridge (PVSC skimmer vessel)
 - *12 feet with mitigation
 - USCG, July 10, 2019 letter
- Maintain one 75-foot channel for future navigation
 - USCG, October 3, 2019 e-mail



Looking North



Final Design

Local Capital Project Delivery Process

Local Concept Development <i>Completed June 2020</i>	Local Preliminary Engineering <i>Completed November 2024</i>	Final Design / Right of Way Acquisition <i>Anticipated Completion Summer/Fall 2027</i>	Construction <i>Anticipated to Begin Winter 2028-Spring 2028</i>
Purpose and Need Statement	Determine Access & Right of Way Impacts	Construction Contract Documents and PS&E package	Implement Construction
Data Collection and Environmental Screening Report	Cost Estimates (Final Design, ROW & Construction)	Environmental Reevaluations	Create As-Builts
Selection of Preliminary Preferred Alternative	Complete Environmental Documentation	Secure Environmental Permits	Update and Finalize Design Communications Report
NEPA Classification	Establish Project Footprint and Complete Preliminary Design	Acquisition of ROW	Close-out Documentation
Concept Development Report	Preliminary Engineering Plans & Report	Final Utility Relocation Schemes	Continue Public Outreach & Involvement
Initiate Public Outreach & Involvement	Continue Public Outreach & Involvement	Continue Public Outreach & Involvement	

Final Design Phase Work Effort

Project Management

- Development of project Cost Estimate, Specifications, & Details
- Community Involvement

Traffic

- Finalize traffic signal design
- Striping & Signage
- Electrical plans
- Lighting Design

Drainage

- Finalize drainage design
- Hydrologic & Hydraulic analysis

Highway

- Finalize roadway geometry using supplemental survey
- Utility coordination and preparation of utility plans & checklists
- Prepare Access and Right of Way Impact documentation

Geotechnical

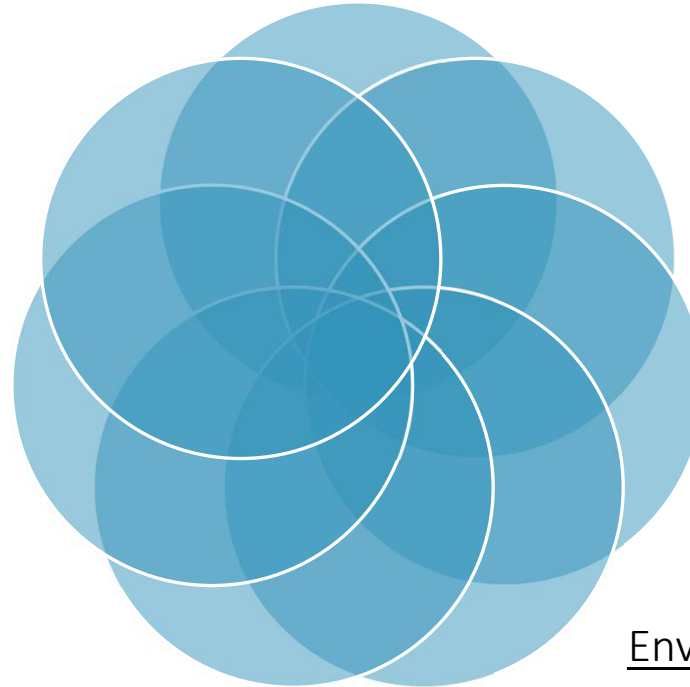
- Perform subsurface exploration and soil testing
- Finalize Retaining Wall Design

Structures

- Finalize structural drawings
- Calculations & Analysis

Environmental Process

- Prepare permit application & secure permits
- Cultural Resources
- Tidelands License
- Contamination Site Investigation
- Bat Survey

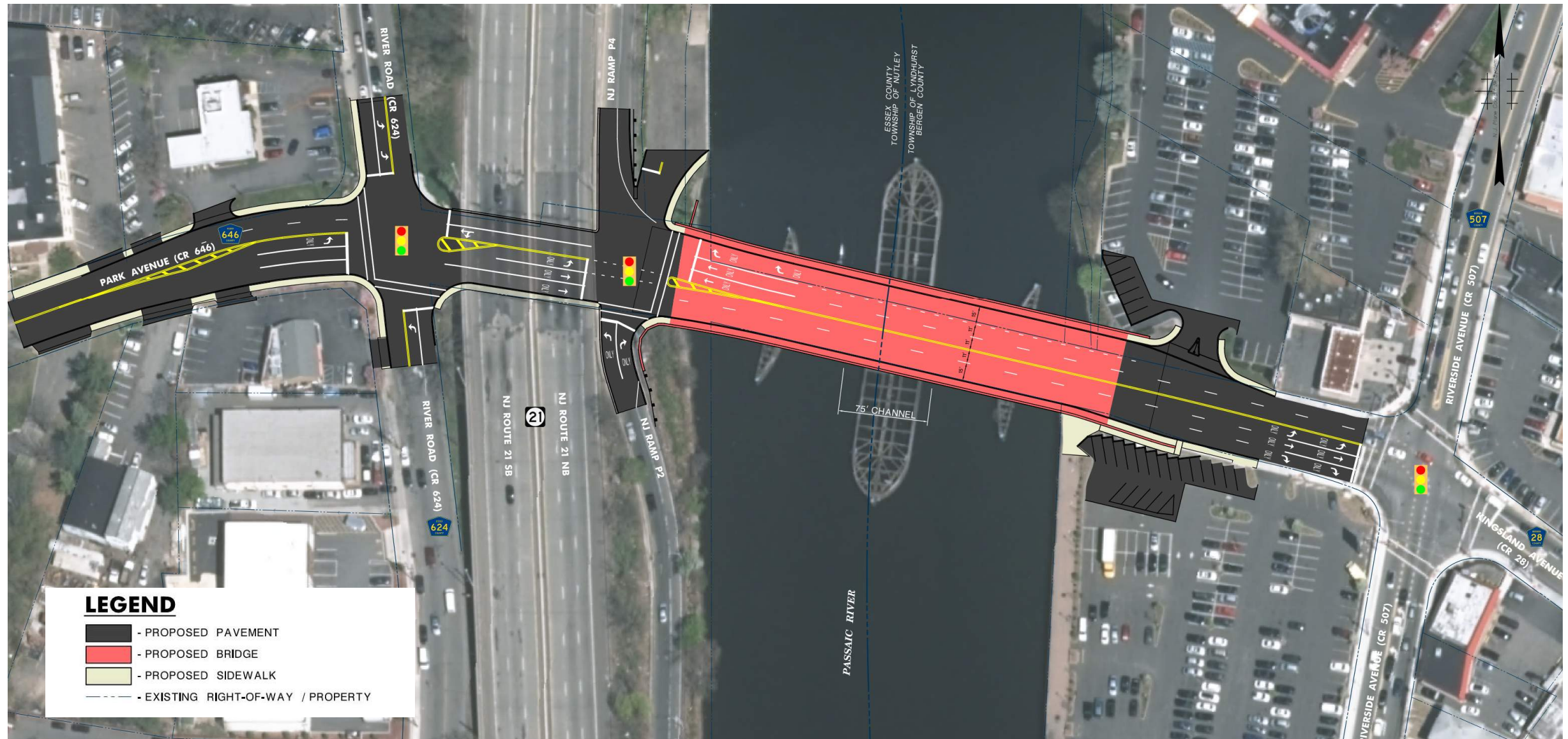


Bridge Replacement & Intersection Improvements

- New fixed bridge
 - Width = 78 feet
 - Additional westbound lane - justified by traffic analysis
 - 15-foot outside lane (bicycle compatibility)
 - 6-foot sidewalks, both sides
- Intersection improvements at all three intersections
 - ADA-compatible curb ramps
 - Pedestrian countdown heads and pushbuttons, crosswalks & traffic calming elements to address pedestrian safety
- Requires mitigation
 - PVSC vessel needing less than 12-ft vertical clearance to perform river skimming program

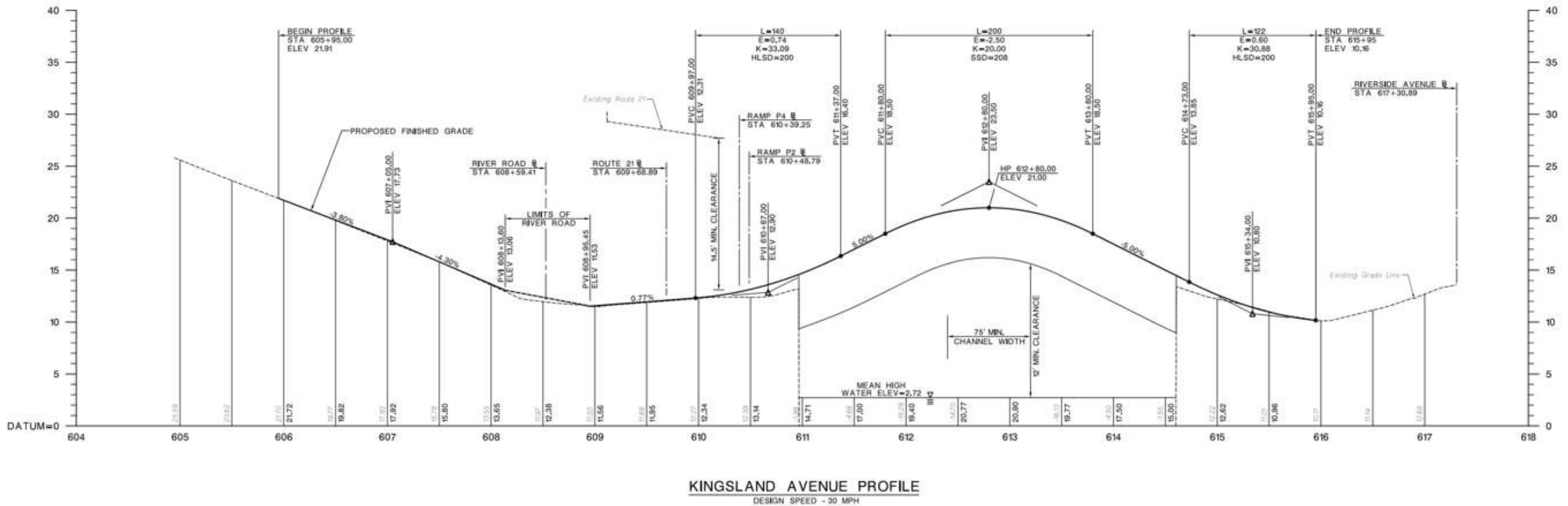
Proposed Bridge Section





Kingsland Avenue Bridge

Kingsland Avenue Bridge Profile



Park Avenue & River Road

LEGEND

- PROPOSED PAVEMENT
- PROPOSED BRIDGE
- PROPOSED SIDEWALK
- EXISTING RIGHT-OF-WAY / PROPERTY



Park Avenue & Route 21 Ramps

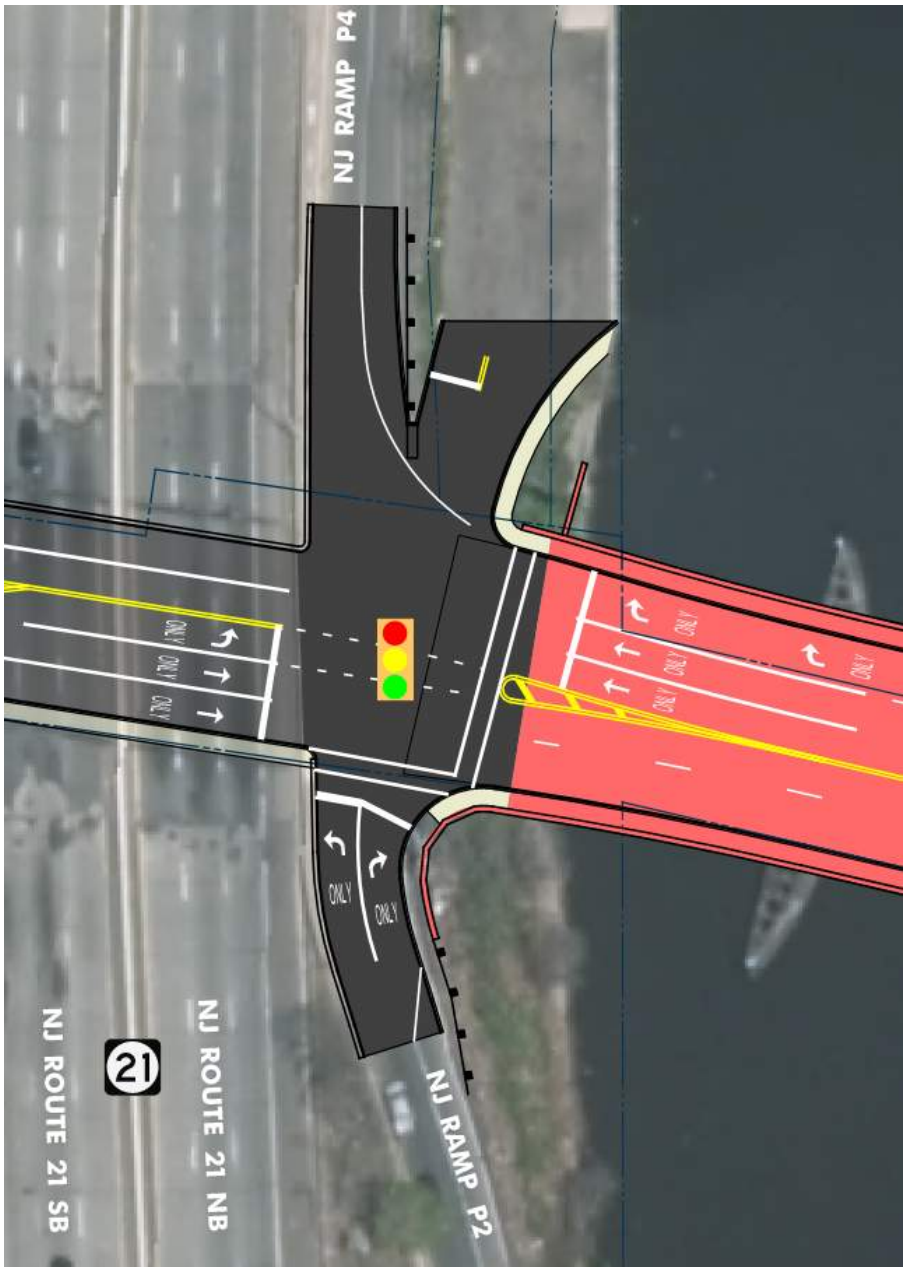
LEGEND

- PROPOSED PAVEMENT

- PROPOSED BRIDGE

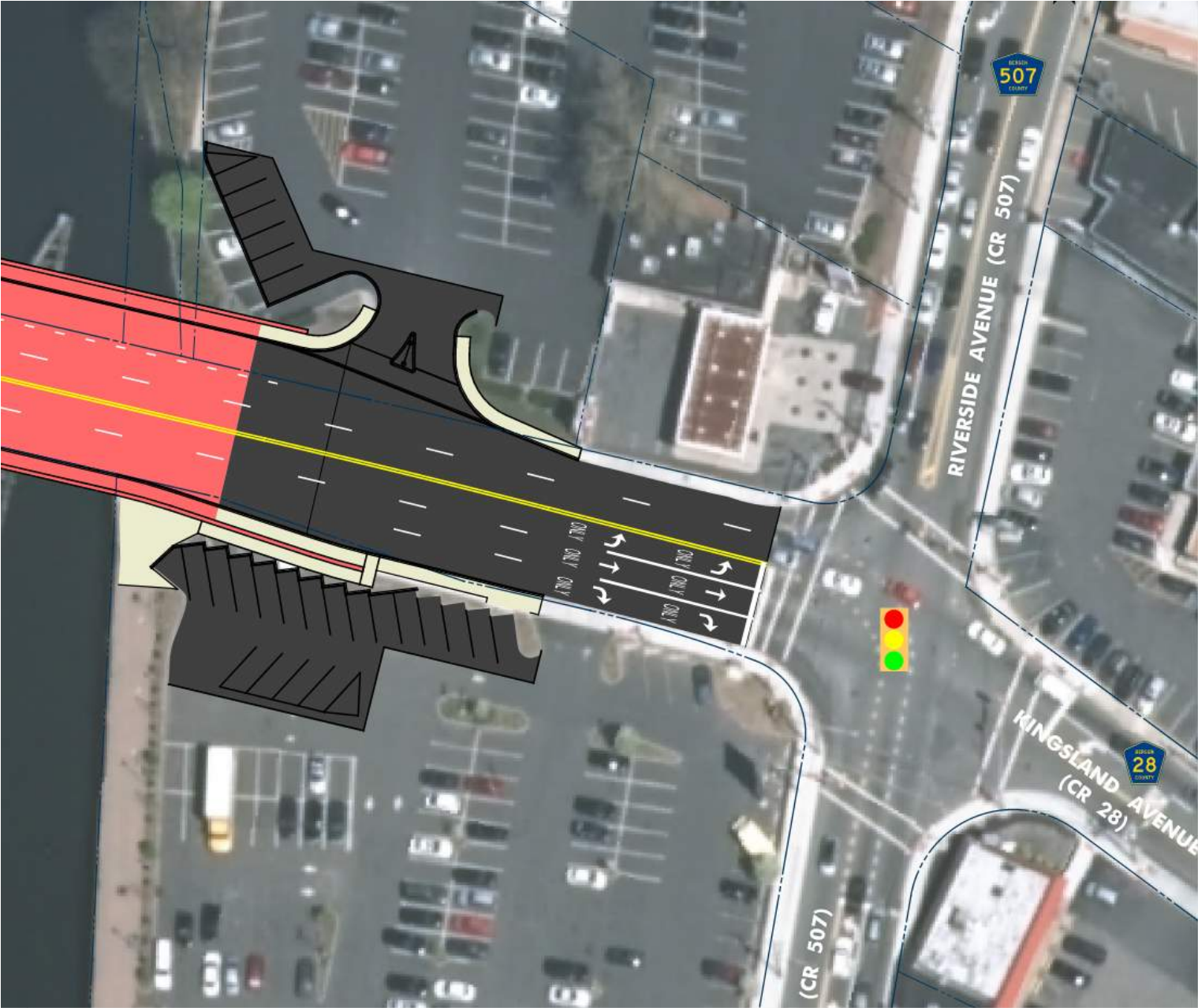
- PROPOSED SIDEWALK

- EXISTING RIGHT-OF-WAY / PROPERTY



Kingsland Avenue & Riverside Avenue

- LEGEND**
- PROPOSED PAVEMENT
 - PROPOSED BRIDGE
 - PROPOSED SIDEWALK
 - EXISTING RIGHT-OF-WAY / PROPERTY



Bridge Replacement Considerations

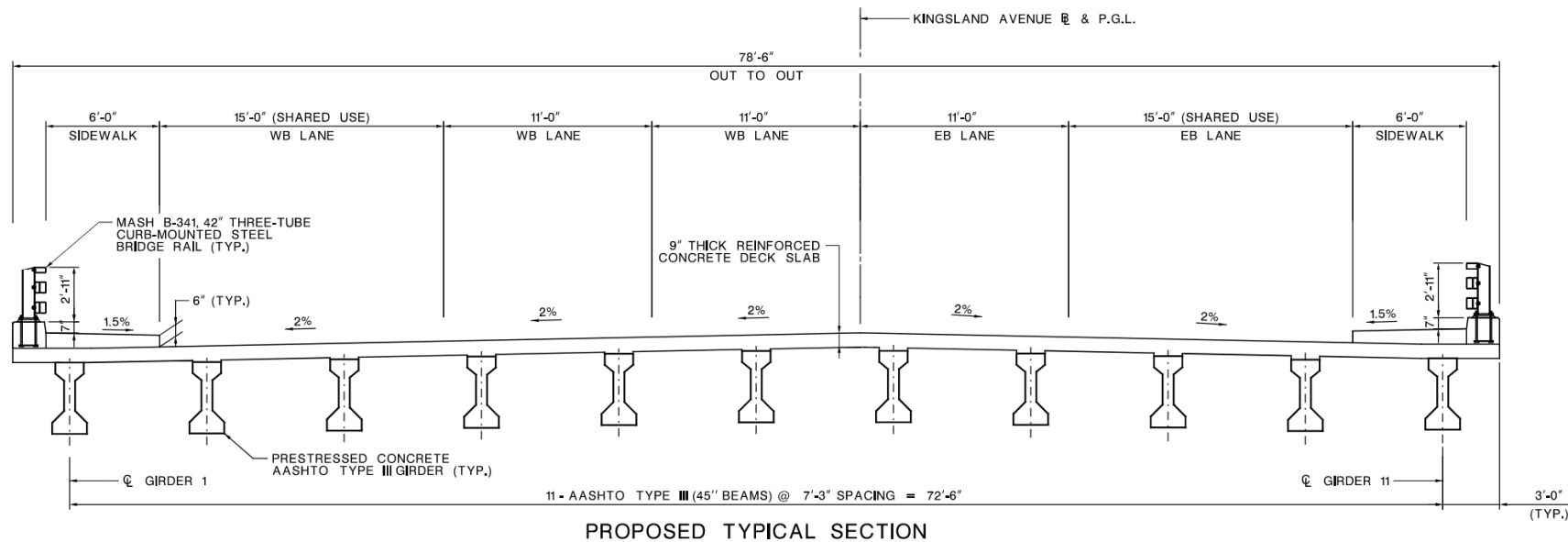
- New Fixed Bridge
 - Width = 78 ft
 - Length = approx. 392 ft
 - 12-ft vertical clearance / 75-ft horizontal clearance over the navigation channel
 - Limited structure depth due to profile constraints (5ft max.)
 - Channel span centered over the waterway to meet clearances
 - Provide preferred horizontal clearance (max 88-ft center span) for Passaic River Rowing Association (PRRA)
 - Marine environment corrosion considerations / Future maintenance
 - Low Freeboard
 - 5-Span layout



Bridge Structure Type Recommendation

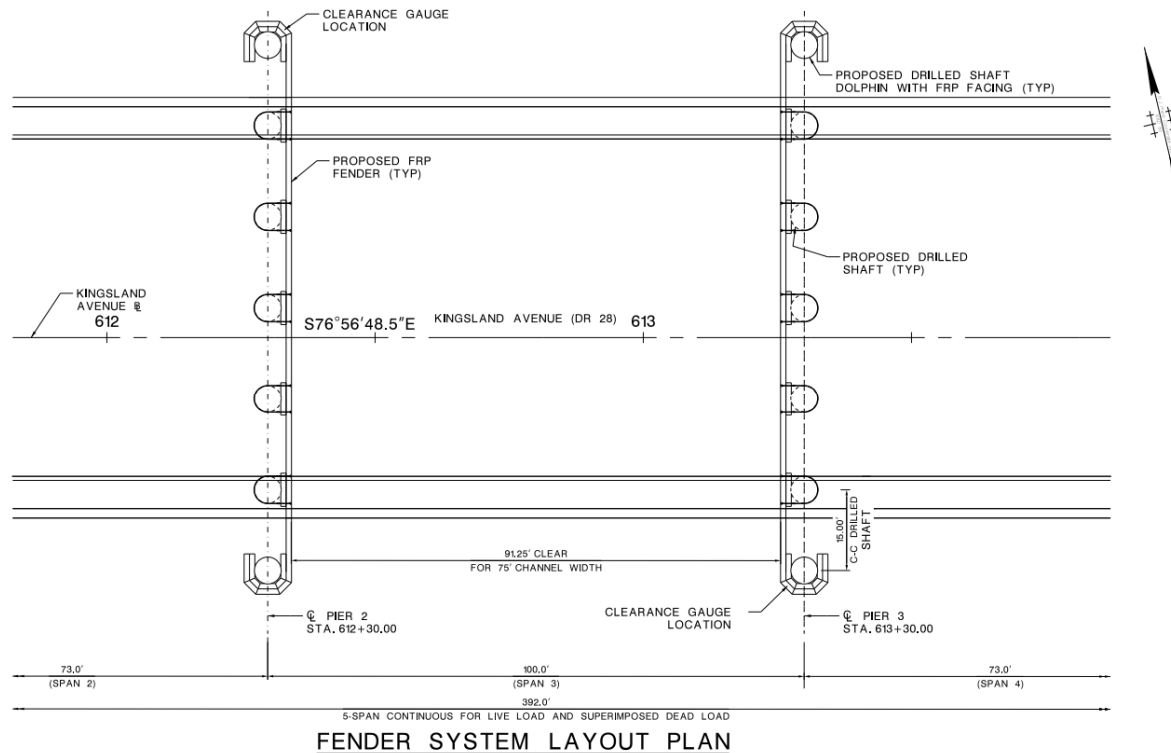
- Prestressed Concrete I-Beams

- AASHTO Standard Type III Beams
- Commonly used and supplied by local fabricators
- Delivery by truck or barge
- 5-Span Continuous Layout to minimize deck joints (at abutments only)
- 100' Center Span over the Navigation Channel
- Minimize future maintenance



Fender System Layout

- FRP waler system attached directly to piers / End dolphins
 - Limited Vessel Traffic – Design Criteria AASHTO Min. Empty Barge Adrift
 - Piers supported on drilled shafts with rock sockets
 - Piers to be designed for full vessel impact
 - Add drilled shafts at 4 corners as fender nose / end dolphins



NOTE: CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST
GUARD BRIDGE PERMIT

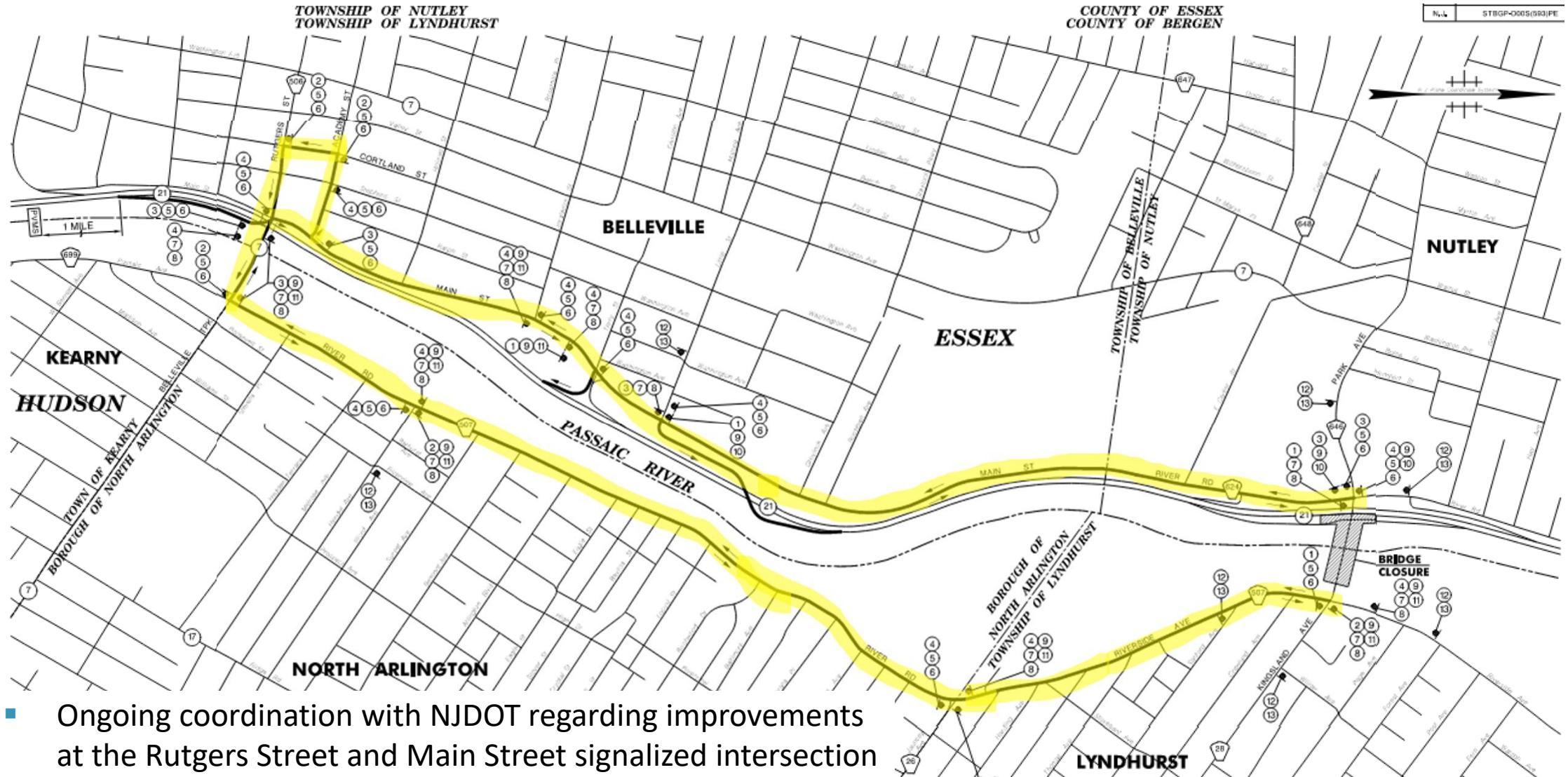
Kingsland Avenue Bridge Conceptual Rendering - Aerial



Kingsland Avenue Bridge Conceptual Rendering – River View

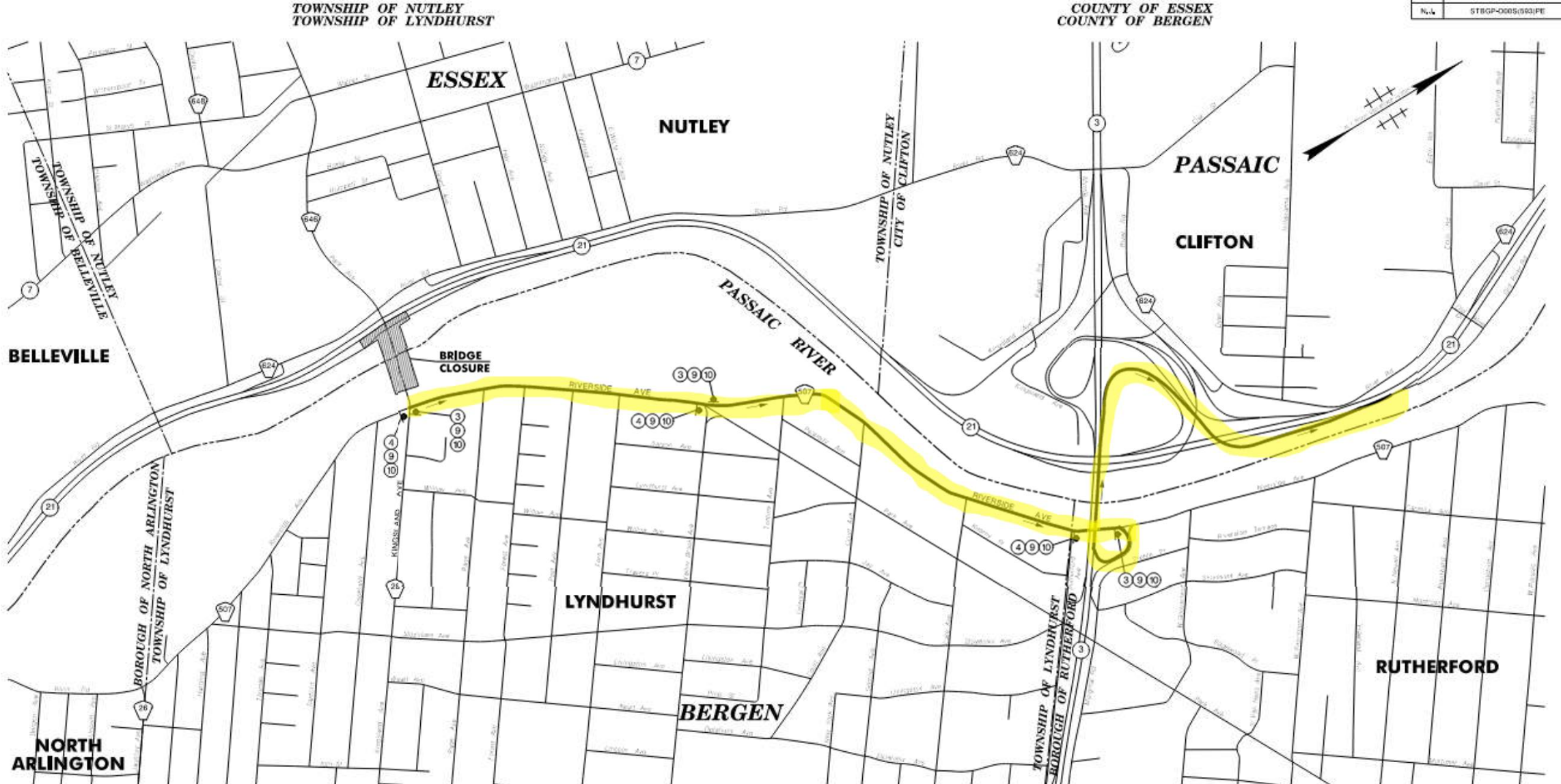


Proposed Detour Route Map - South



- Ongoing coordination with NJDOT regarding improvements at the Rutgers Street and Main Street signalized intersection

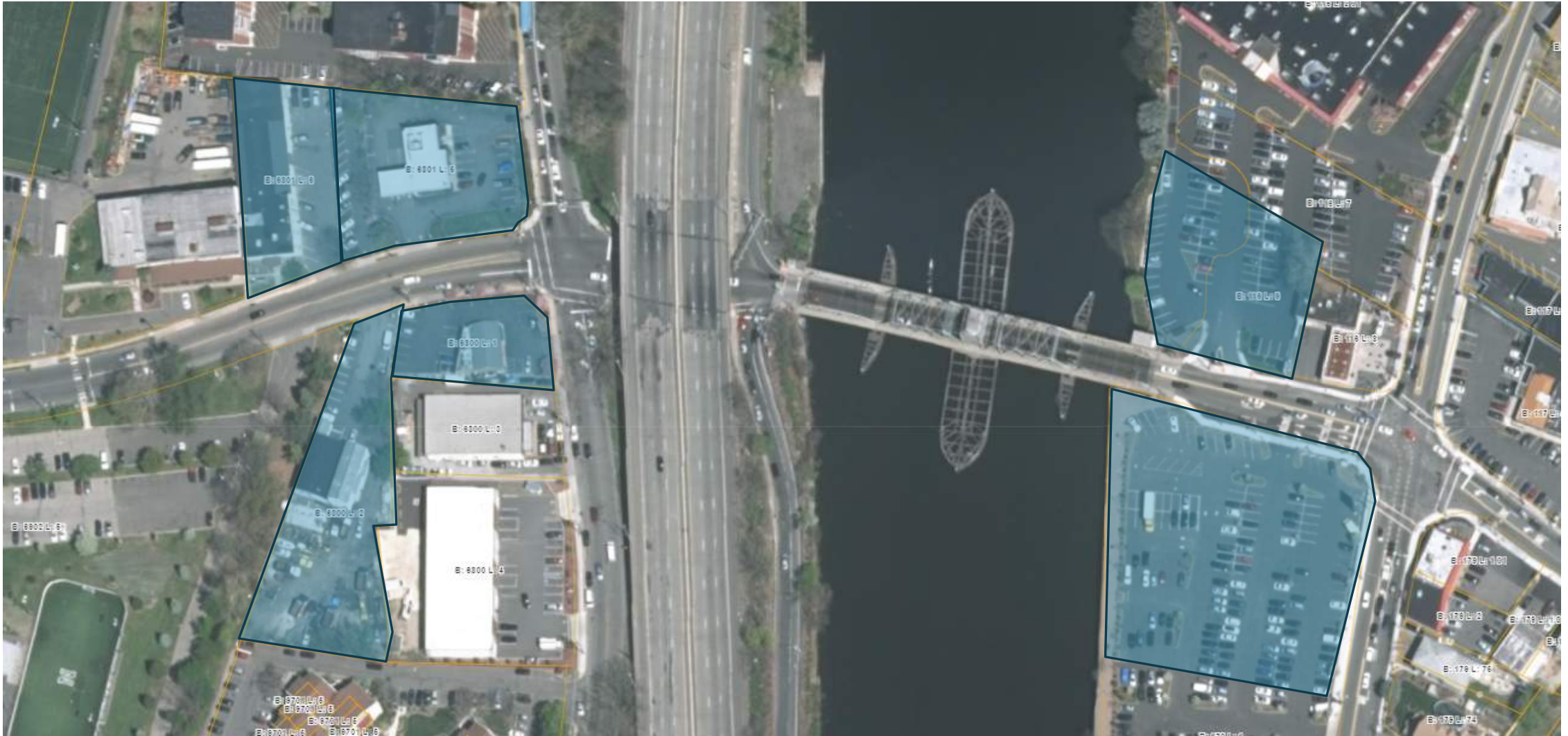
Proposed Detour Route Map – North





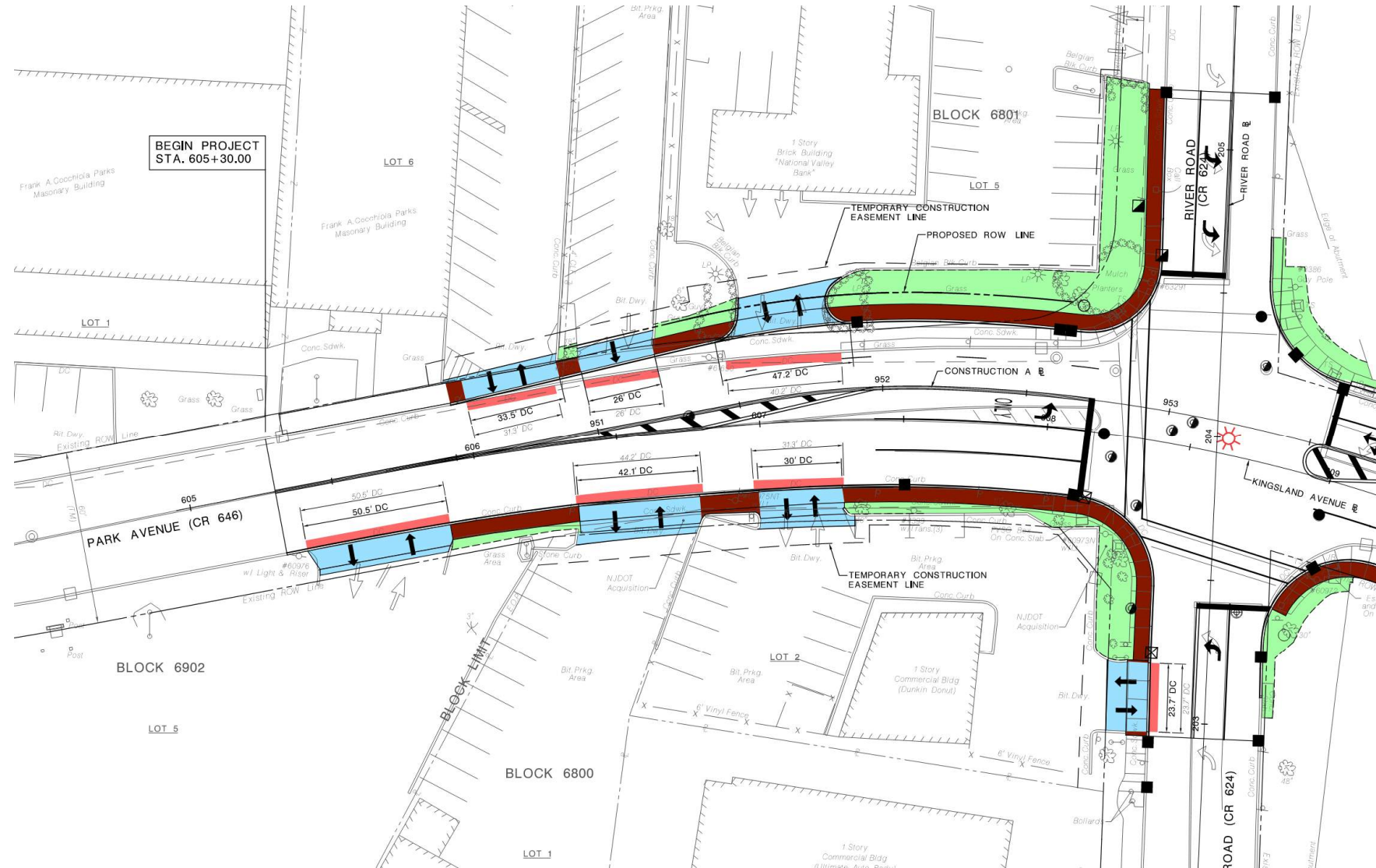
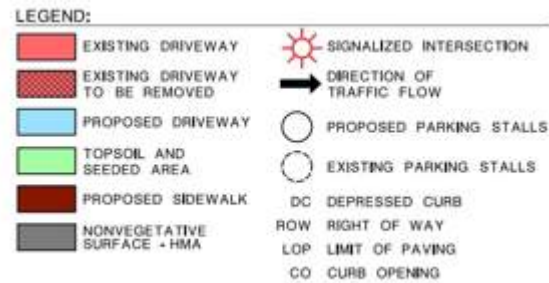
Preliminary Right of Way & Access Impacts

Overview of Impacted Properties



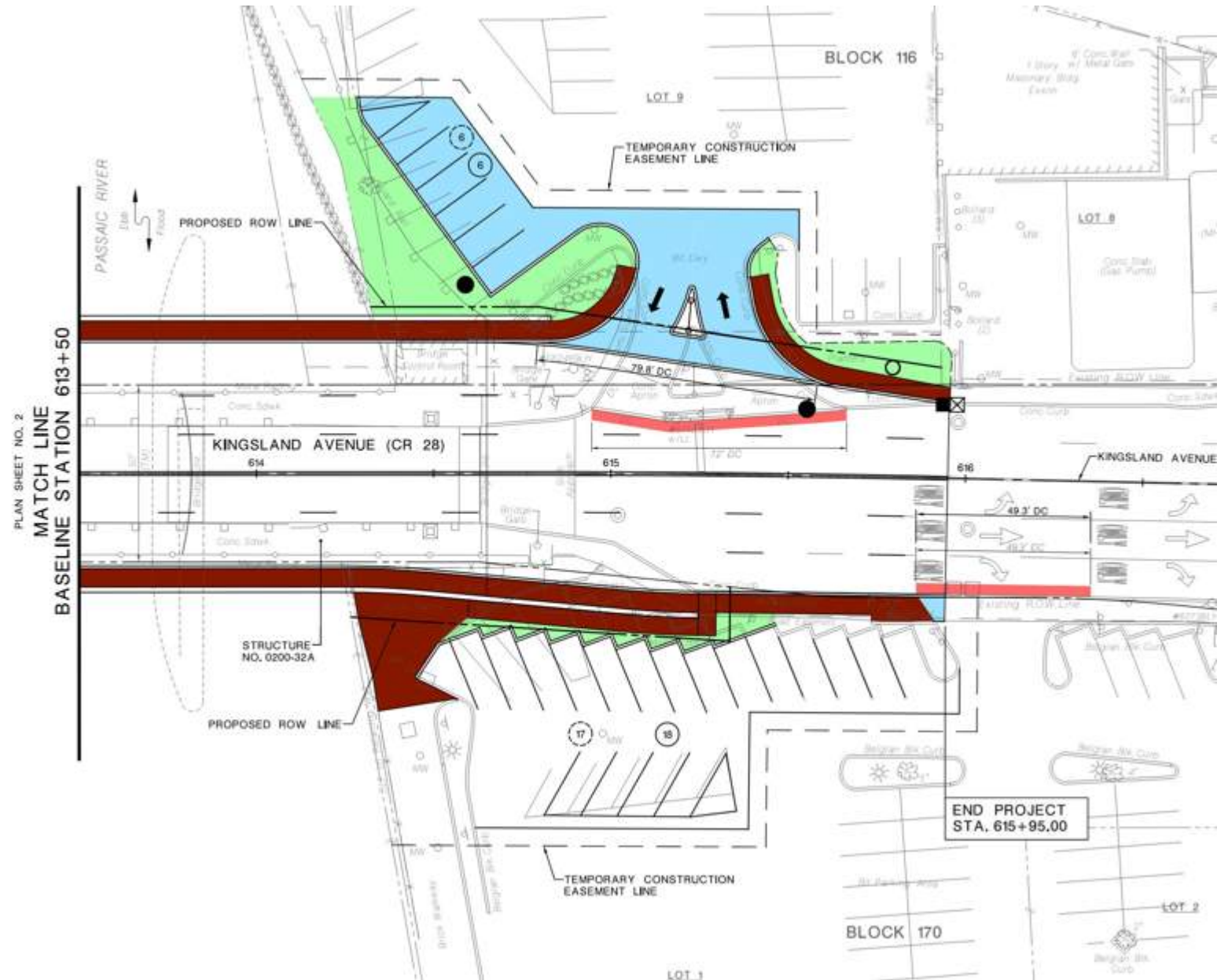
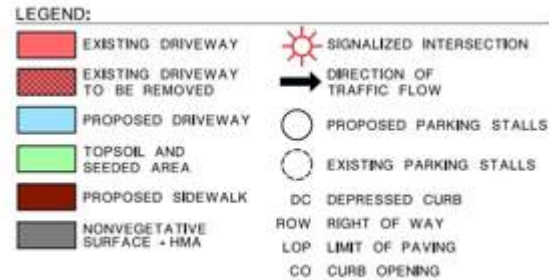
Access Impacts: Nutley Township, Essex County

- Impacts to seven (7) existing driveways
- Parking stalls & circulation not affected by driveway/access improvements



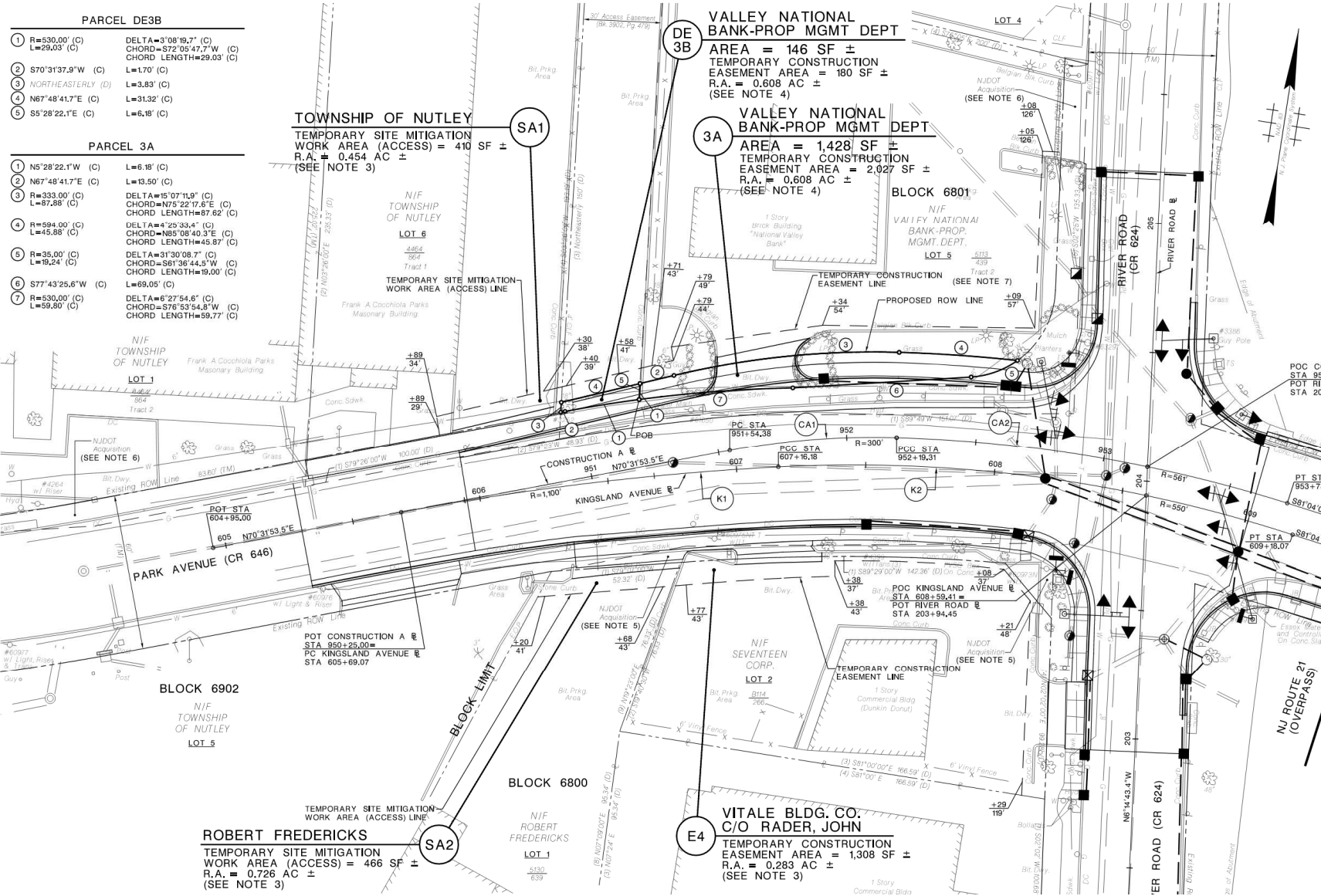
Access Impacts: Lyndhurst Township, Bergen County

- Impacts to two (2) existing driveways
- Proposed parking stall count is equal to or greater than existing condition



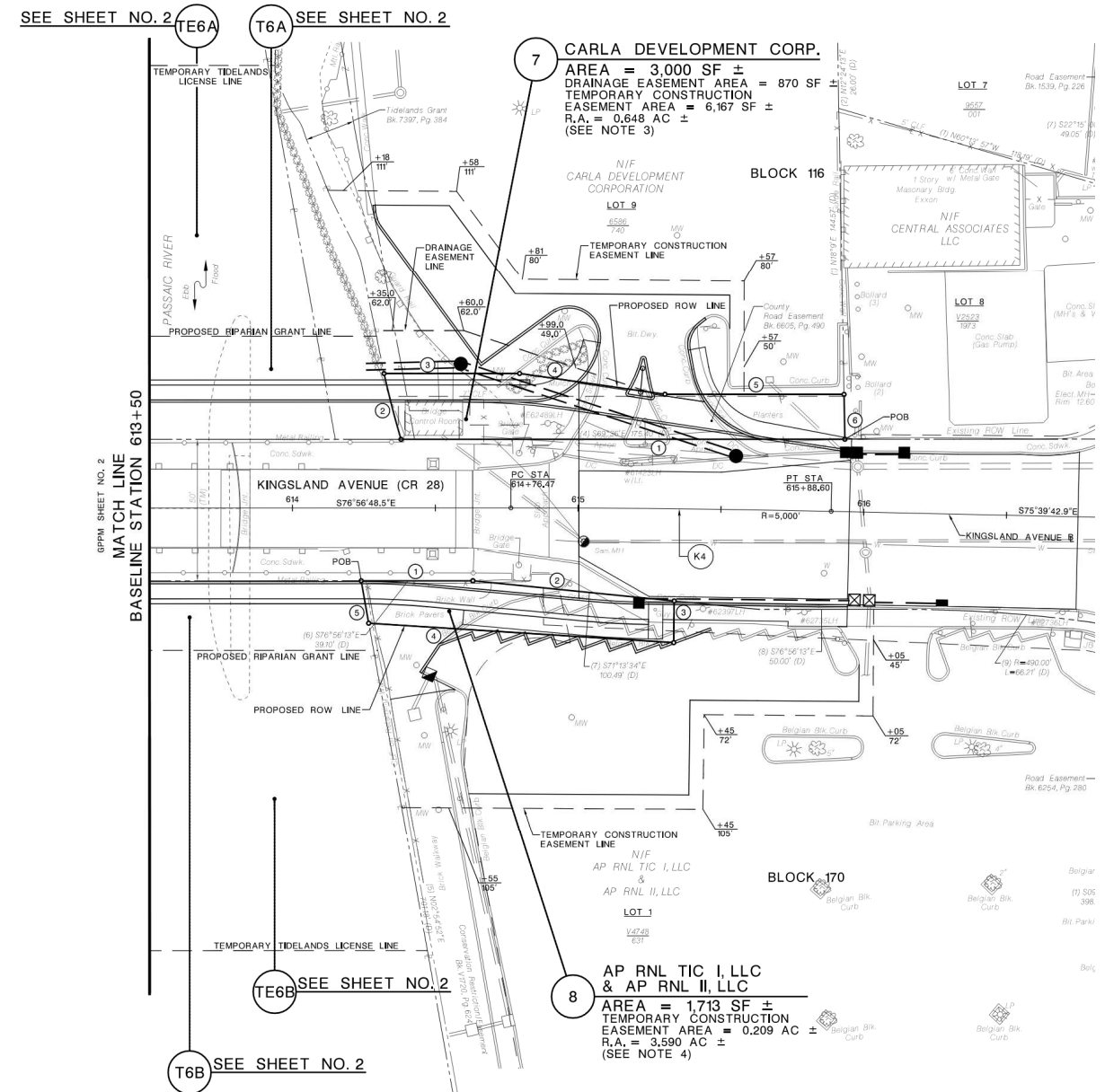
Right of Way Impacts: Nutley Township, Essex County

- Block 6800, Lot 1
- Block 6800, Lot 2
- Block 6801, Lot 5
- Block 6801, Lot 6



Right of Way Impacts : Lyndhurst Township, Bergen County

- Block 116, Lot 9
- Block 170, Lot 1
- NOTE: Tidelands License Areas & Riparian Grant Areas will be necessary in both Bergen & Essex Counties





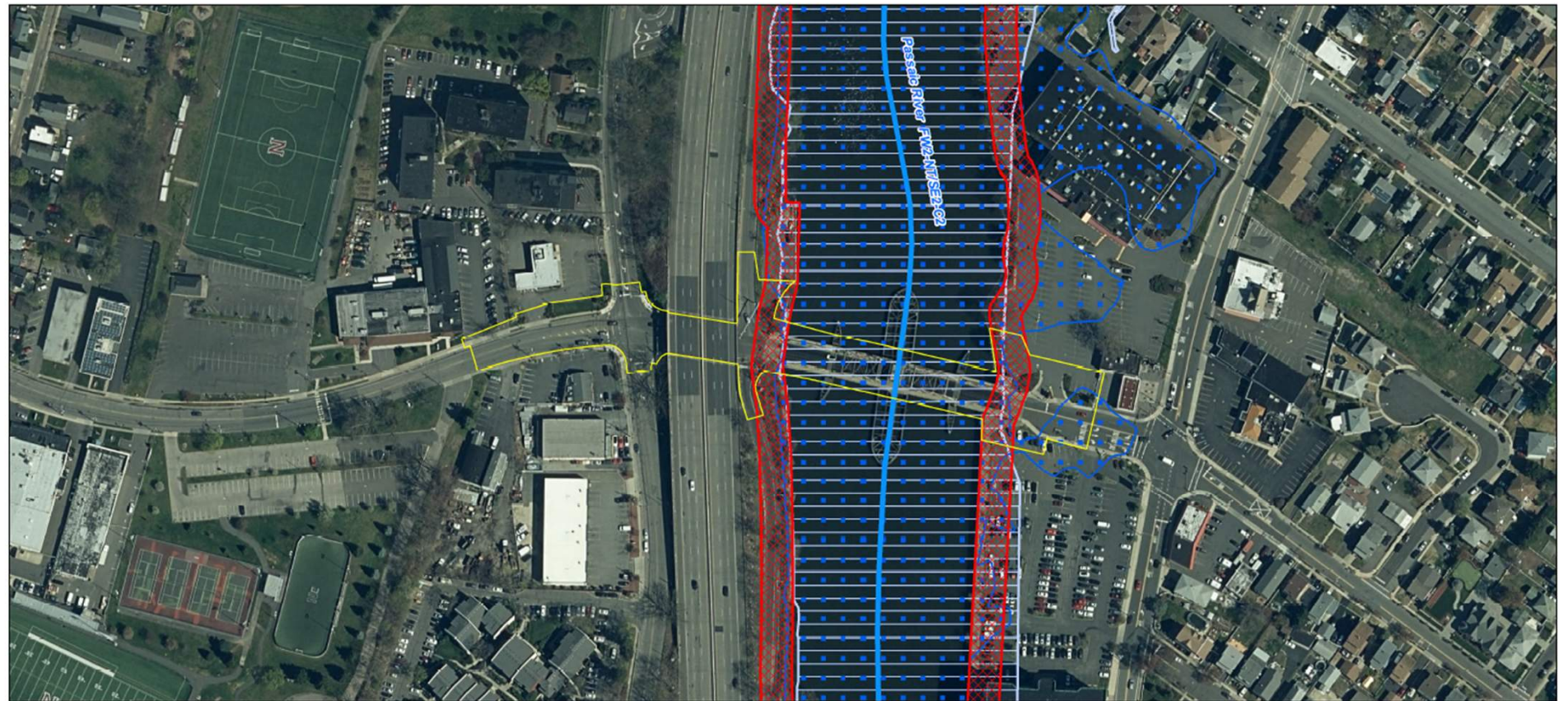
Environmental & Permits

NEPA – Categorical Exclusion Documentation Approved

Environmental Considerations

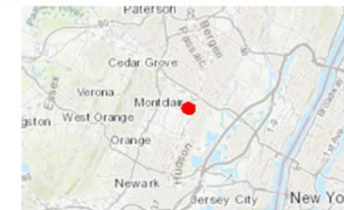
- A. Noise
- B. Air Quality
- C. Potential Ecological Constraints
- D. Cultural Resources
- E. Section 4(f) Involvement
- F. Hazardous Materials and Landfills
- G. Socioeconomics
- H. Public Reaction
- I. Environmental Commitments

Ecological Constraints



Legend

- Project Area
- Streams with Water Quality
- 50-foot Riparian Buffer Zone Boundary
- 100-year FEMA Floodplain
- Tidelands



Sources:
 GIS Coverages for the State of New Jersey, New Jersey Department of Environmental Protection (NJDEP), Office of Information Resources Management, Bureau of Geographic Information Systems, 2023.
 Federal Emergency Management Agency (FEMA) County Flood Hazard Layer, a compilation of all Digital Flood Insurance Rate Map (DFIRM) databases for Bergen & Essex Counties, NJ, distributed by FEMA Map Service Center, Washington, DC, August 2019 and April 2020 with the latest LOMR date of September 2020.
 New Jersey 2020 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID MG3 Tiles, State of New Jersey Office of Information Technology, Office of Geographic Information Systems (NJOGIS), Trenton, NJ, April 2021.
 This (map/publication/report) was developed using New Jersey Department of Environmental Protection Geographic Information System digital data, but this secondary product has not been verified by NJDEP and is not State-authorized.

Figure
Environmental Constraints Map
 Kingsland Avenue (De Jessa Memorial)
 Bridge over Passaic River
 Bridge Replacement Project
 Lyhurst Township, Bergen County
 and Nutley Township, Essex County
 New Jersey

DRGNJ Project # 4837

150
 Feet



Environmental Permits/Approvals/Coordination

- Soil Erosion & Sediment Control Plan Certification
- NJDEP Waterfront Development Permit, including:
 - Section 401 Water Quality Certificate
 - NJ Flood Hazard Area Control Act Rule (NJAC 7:13) Compliance
 - NJ Stormwater Management Rule (NJAC 7:8) Compliance
- USACE Section 10 and 404 Permits
- US Coast Guard (33 CFR 115.50) Bridge Permit
- NOAA NMFS ESA Section 7 Consultation (Sturgeon/Sea Turtles)
- NOAA NMFS Magnuson – Stevens Act coordination (Essential Fish Habitat)

Cultural Resources Mitigation

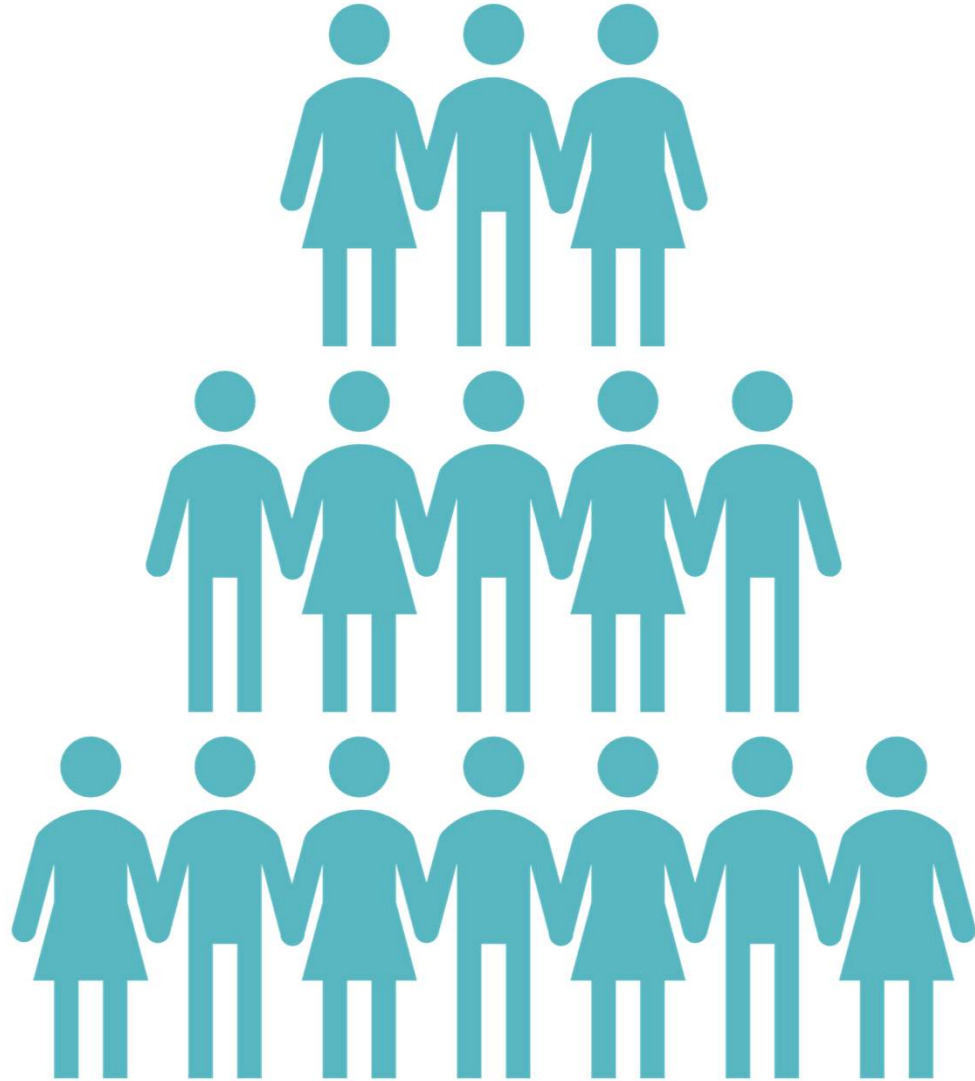
Through the Section 106 process, a Memorandum of Agreement (MOA) was executed between FHWA, NJHPO, NJDOT, and Bergen County on 8/29/2024.

- The MOA puts forth measures to mitigate the adverse effect determination under Section 106. For this project, the following MOA stipulations will be completed during FD:
 - Documentation of the bridge to the standards of the Historic American Engineering Record.
 - Interpretative signage in a publicly accessible area detailing the history and significance of the bridge.
 - Development of a publicly accessible website which will interpret the history of movable span Passaic River bridges.

Tidelands License, Contamination Site Investigation & Bat Survey

- Riparian License and Grant needed for the new bridge construction in the river including for use of temporary trestles or barges
- Site Investigation needed to identify contaminated soil or materials within the project footprint
- New bridge to be constructed in the Passaic River which is listed on the National Priority List sites as a confirmed Superfund site
- A visual survey will be performed to determine the presence or likely absence of bats that may be utilizing the existing bridge for roosting.
 - Tri-Colored Bat & Northern Long-Eared bat are considered endangered species





Community Involvement & Public Outreach

Community Outreach Meetings – LCD & LPE Phases

■ **Local Concept Development Phase:**

- Two (2) Local Officials Meetings – *July 25 & 27 & October 29, 2019*
- Two (2) Community Stakeholders Meetings – *September 29, 2016 & April 26, 2017*
- Public Information Center (PIC) Meetings – *October 17, 2016 & December 12, 2019*



■ **Local Preliminary Engineering Phase:**

- Two (2) Local Officials Meetings (LOMtg)
LOMtg No. 1 – September 13, 2022
LOMtg No. 2 – November 30, 2023
- Community Stakeholders Meeting – *April 25, 2023*
- PIC Meeting – *February 8, 2024*

Community Involvement – FD Phase

- Local Officials Meetings (LOMtg)
 - LOMtg No. 1 – Twp. of Lyndhurst & Twp. of Nutley – *October 6, 2025*
 - LOMtg No. 2 – Twp. of Lyndhurst & Twp. of Nutley – *Winter/Spring 2027*
- Community Stakeholders Meeting – *May 4, 2026*
- Public Information Center (PIC)
 - PIC Meeting (online, 6:00 – 8:00 p.m.) – *anticipated Spring 2027*

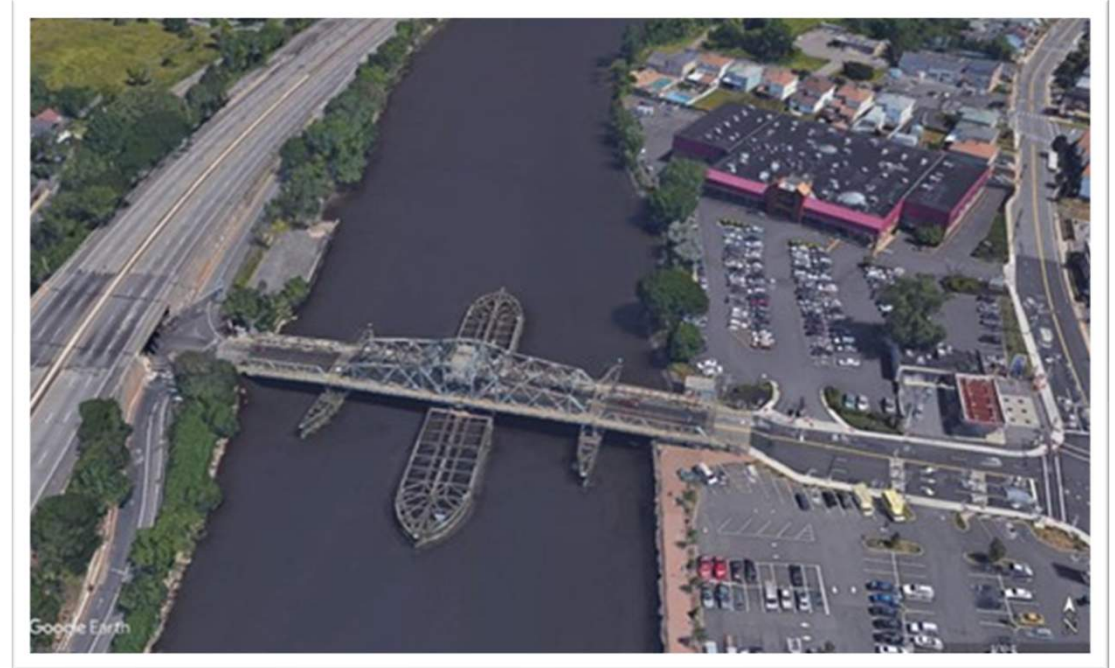
Project Website: www.kingslandavenuebridge.com

Email Address: kingslandavenuebridge@gmail.com



Discussion – Community Input

- Q & A
- Comments
- Feedback



Next Steps – Anticipated Project Schedule

- Start Final Design Phase – Summer 2025
- Complete Access Plans – Fall 2025
- Secure Right of Way – Summer 2027
- Obtain Required Permits – Summer 2026 – Summer 2027
- Submit Final Design Plans – Winter 2027
- Complete Final Design Phase – Summer/Fall 2027
- Start Construction Phase* – Winter/Spring 2028
- Complete Construction Phase* – Spring/Summer 2030

*Contingent upon federal funding availability



Closing Remarks - Thank You!

For information:

www.kingslandavenuebridge.com

To submit questions or comments:

kingslandavenuebridge@gmail.com

Contact Information

Joseph Baladi, P.E., P.P., C.M.E.

Planning Division Director (Bergen County Project Manager)

One Bergen County Plaza, 4th Floor
Hackensack, NJ 07601

kingslandavenuebridge@gmail.com

Alexandra Pacelli

Essex County Principal Engineer

Division of Engineering
900 Bloomfield Avenue
Verona, NJ 07044

kingslandavenuebridge@gmail.com

