HUDSON COUNTY / ESSEX COUNTY
Clay Street Bridge Replacement over the Passaic River

Borough of East Newark and City of Newark, New Jersey
Local Preliminary Engineering Phase
Public Information Center Meeting – April 27, 2026

Online Meeting Guidelines

- Please keep all phones/mics on mute and cameras off during the presentation.
- If possible, please submit questions in the Chat Box feature, located in upper margin, at any time during the presentation.
- During Q&A after the presentation, questions and comments will be read aloud in order of receipt in the Chat Box and a Project Team member will respond.
- If time allows after all Chat Box comments are addressed, participants can use the Raise Hand feature, and unmute themselves if they wish to ask a question.
- Q&A will end around 7:55 pm for closing remarks.
- The meeting will officially close at 8:00 pm.
- This public meeting is being recorded and will post to the project website.

Meeting Agenda

- *Welcome and Introduction*
  - Project Overview & Update
  - Local Project Delivery Process - *Local Preliminary Engineering (LPE) Phase*
  - Project Status and Schedule
  - LPE Work Effort – *Preliminary Design Plans and Proposed Detour Route*
- *Clay Street Bridge Replacement over the Passaic River*
  - Preliminary Preferred Alternative – *Proposed Bridge Improvements*
  - LPE Work Effort – *Preliminary Design Plans, Access Plans, Right of Way Plans, Proposed Detour Plan & Cost Estimates*
  - Environmental Process – *Categorical Exclusion (CE) Documentation*
  - Community Involvement – *Project Website and Public Outreach Meetings*
- *Discussion*
  - Q & A – Community Input – *Interests, Issues, Improvements*
- *Next Steps and Closing Remarks*
  - Public Outreach:
    - 30-Day Public Comment Period – thru May 29, 2026
  - Completion of LPE Phase Documents & Report
  - Closing Remarks
    - Project Website: www.claystbridge.com
    - Project Email: claystbridge@gmail.com

Project Team

Hudson County Division of Engineering

Mark Kataryniak, P.E., P.T.O.E., *County Engineer*
Joseph Glembocki, P.E., *Assistant County Engineer*

Essex County Division of Engineering

Sanjeev Varghese, P.E., P.P., *Public Works Director / County Engineer*
Alexandra Pacelli, *Essex County Supervising Engineer*

Hardesty & Hanover Team

Glen Schetelich, P.E., *Principal in Charge, Hardesty & Hanover*
Bruce Riegel, P.E., *Project Manager, Hardesty & Hanover*
Phil Thompson, P.E., *Deputy Project Manager, Hardesty & Hanover*
Brian Medino, P.E., *Highway Engineer, Hardesty & Hanover*
Brian Mileo, 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*

New Jersey Department of Transportation (NJDOT)

Nabil Ayoub, *Supervising Engineer, Local Aid District 2*
Paul Miranda, *Project Manager, Local Aid District 2*
Sean Warren, *Section Chief, Bureau of Environmental Program Resources*
John Riggi, *Environmental Project Manager, Bureau of Environmental Program Resources*
Shaquille Fearon - Elliot, *Bureau of Environmental Program Resources*

North Jersey Transportation Planning Authority (NJTPA)

Sascha Frimpong, *NJTPA Director Local Programs*
Sarbjit Kahlon, *NJTPA Manager, Local Capital Project Delivery*

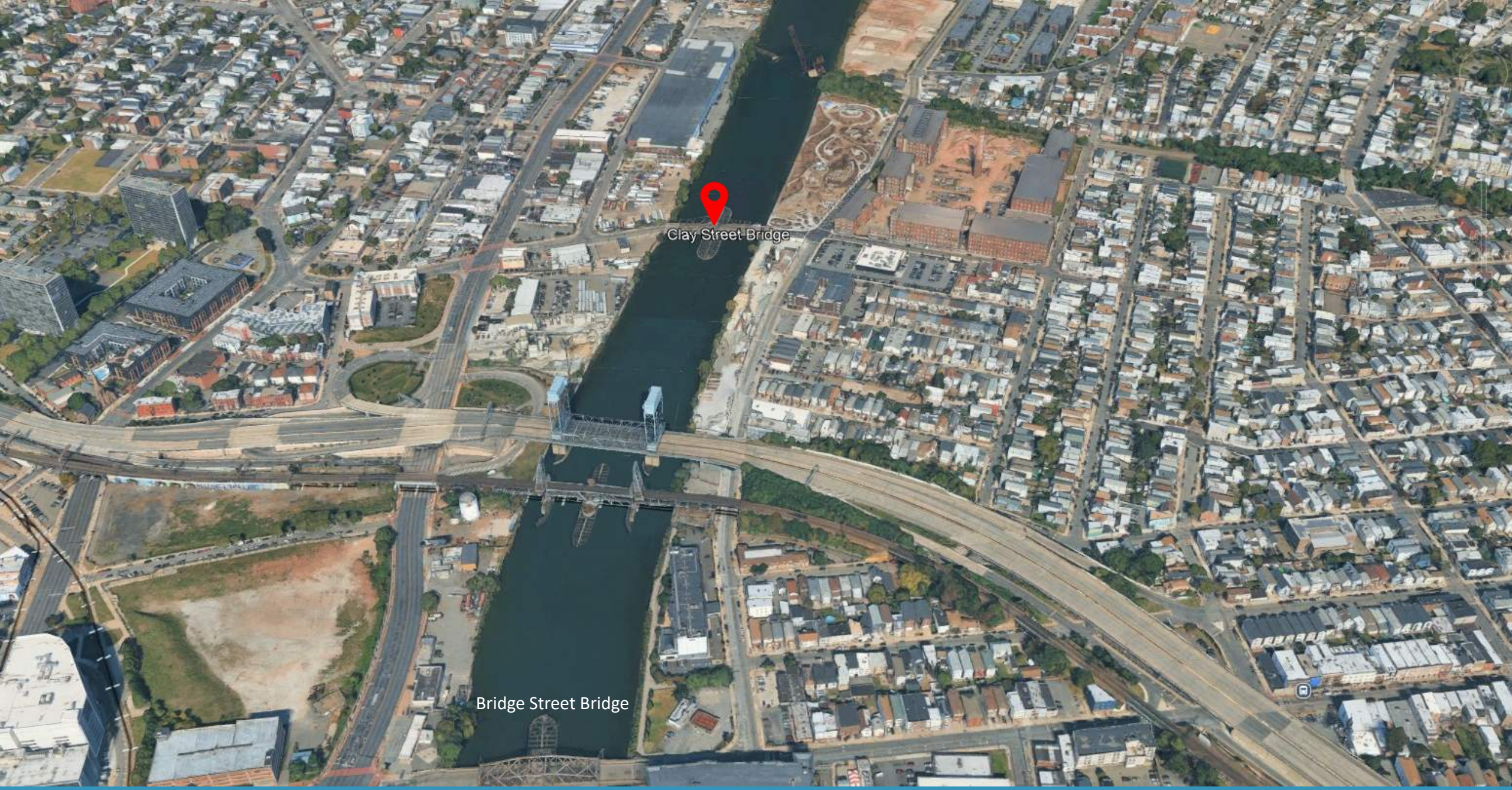
Opening Remarks

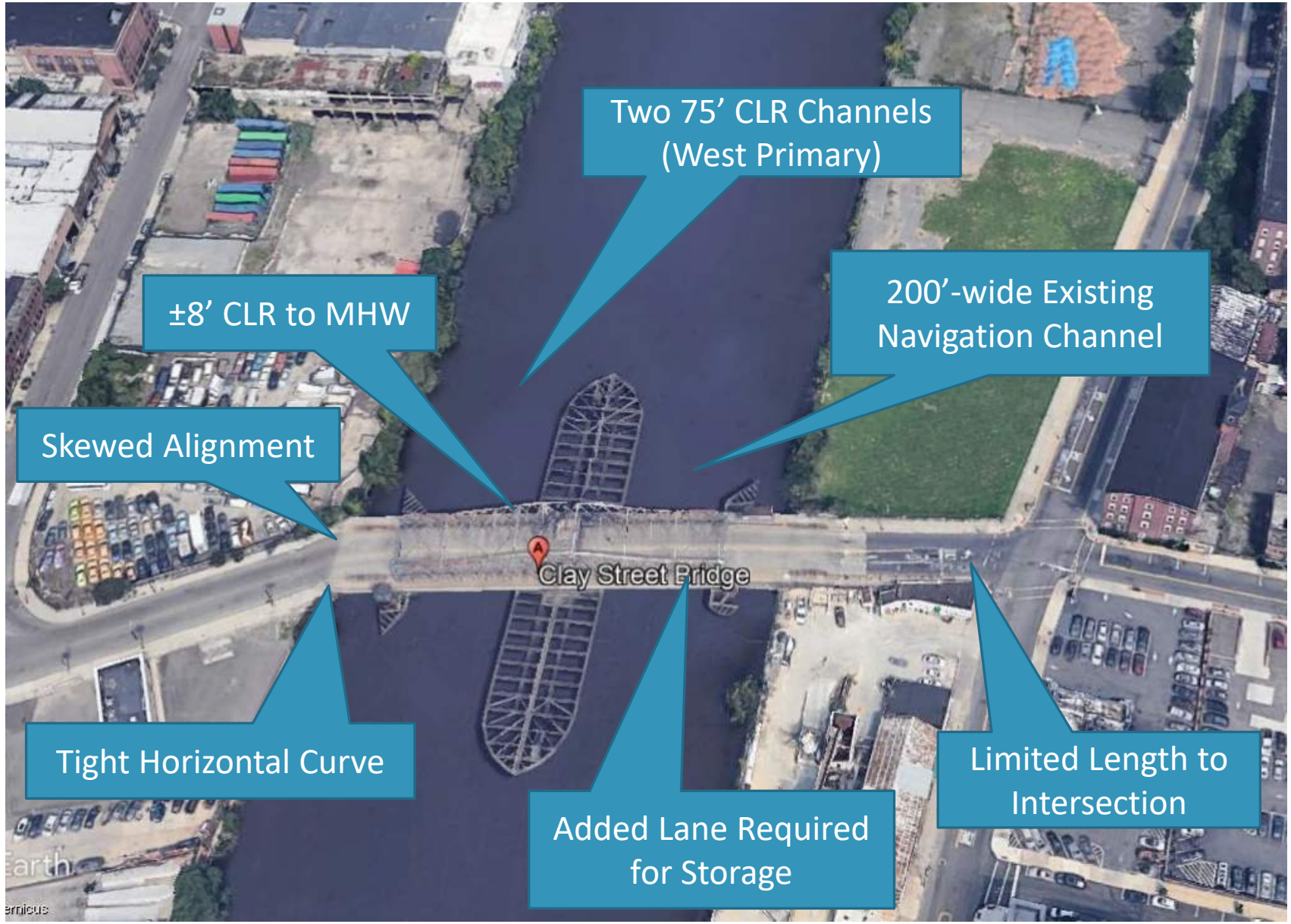
Project Location

Borough of East Newark, Hudson County (*Right*)
City of Newark, Essex County (*Left*)

Project Overview and Background

- Built in 1908
- Numerous Rehabilitations since 1942
- Spans the Passaic River Connecting City of Newark & Borough of East Newark
- Co-owned and Maintained by Hudson & Essex County
- In Need of Replacement based on LCD Study
- NJTPA Local Concept Development (LCD) Study Completed in June 2020
- Local Preliminary Engineering (LPE) commenced in December 2023
- Federally Funded


Clay Street Bridge
Bridge Street Bridge



Challenges and Limitations

Clay Street Bridge | Existing Condition

- 2022 Bridge Evaluation Report
  - Serious overall condition
  - Structurally deficient
- Sufficiency Rating = 31.9 (out of 100)
- Superstructure
  - Serious condition, Rating = 3, widespread section losses in truss members, approach girders and stringers
  - Horizontal: 75 feet
- Substructure
  - Fair condition, Rating = 5, wide to medium cracks in both abutments
- Waterway/Channel Protection
  - Poor condition, Rating = 4, deteriorated bulkheads
- No Shoulders on Bridge
- Structure is Fracture Critical

Substandard Angle Point and Lack of Shoulders

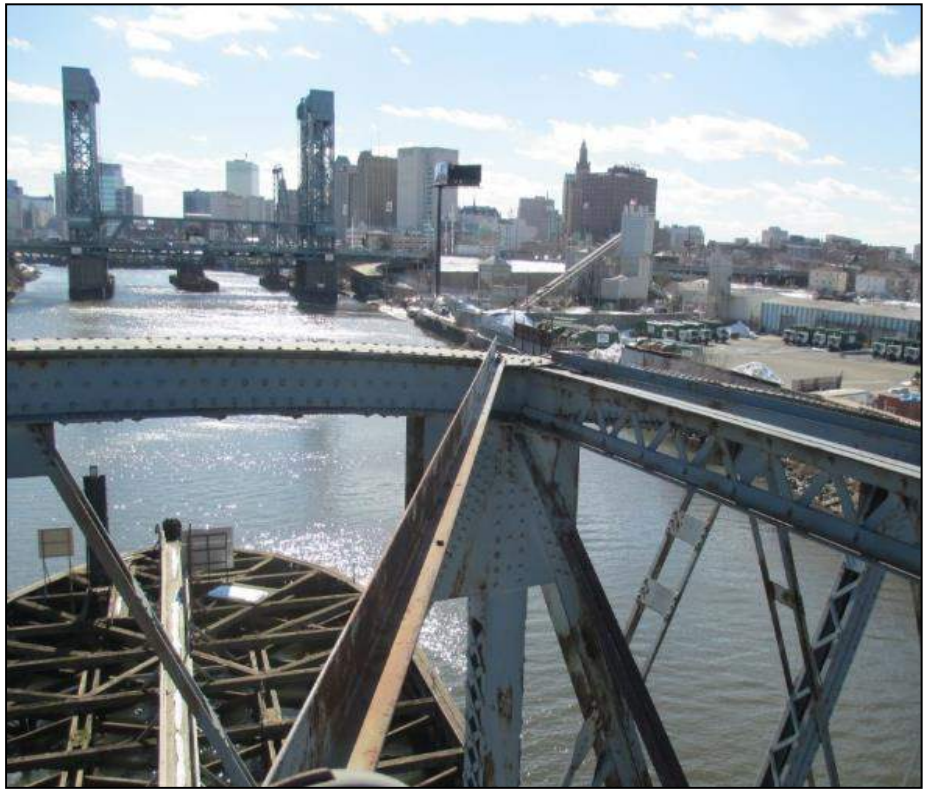
Passaic River Waterway

Navigational Channel

Navigation Channel Impact Report

- Channel Usage
  - Predominantly recreational (R.M. 2.2 – 13.2)
  - Commercial businesses along Newark Bay (R.M. 0.0 - 2.2)
- 18 Feet Minimum Vertical Clearance above MHW
  - Vicinity of Clay Street & Bridge Street Bridges
    - Newark City Fireboats & PVSC Skimmer vessel
  - USCG, July 10, 2019 letter
- Maintain One 75-Foot Channel for Future Navigation
  - USCG, October 3, 2019 e-mail
- 200 Feet Existing Federally Authorized Channel at Clay & Bridge Street Bridges

Deauthorized October 23, 2018



Local Preliminary Engineering

Local Capital Project Delivery Process

Local Concept Development *Completed June 2020*	**Local Preliminary Engineering** *Anticipated Completion Fall 2023 – Summer 2026*	**Final Design / Right of Way Acquisition** *Anticipated Fall 2026 – Fall 2028*	**Construction** *Upon Completion of New Bridge St Bridge Construction*
Purpose and Need Statement	Determine Access & ROW Impacts	Construction Contract Documents and PS&E package	Implement Construction
	Value Engineering & Cost Benefit Analysis		
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	
		Obtain Permits & ROW Fall 2026– Fall 2028	

Local Preliminary Engineering Phase – Work Effort

- Development of design level base plans
- Geotechnical studies for foundation and pavement design
- Structural studies to document process and recommend the structure and aesthetic treatments
- Utility discovery and verification
- Environmental studies (Including Section 106 and Section 4(f) evaluation)
- NEPA document (Categorical Exclusion)
- Preliminary drainage design
- Access and right of way impact evaluation
- Development of project cost estimates
- Value Engineering Analysis & Cost Benefit Analysis

Value Engineering & Cost Benefit Analyses

- VE Analysis Completed by NJDOT, December 2019 (LCD Phase)
- Evaluate if more prudent for replacement with a fixed span bridge vs. movable bridge on nearly same existing alignment
- Follow-up VE Analysis completed in June 2024 (LPE Phase)
  - Upon completion of PE-level survey & subsequent geometric layout
- VE Analysis and Cost Benefit Analyses the proposed PPA is more prudent than a fixed bridge due to more adverse Right of Way and environmental impacts as well as intangible benefits
- Current PPA confirmed for advancement to design and construction

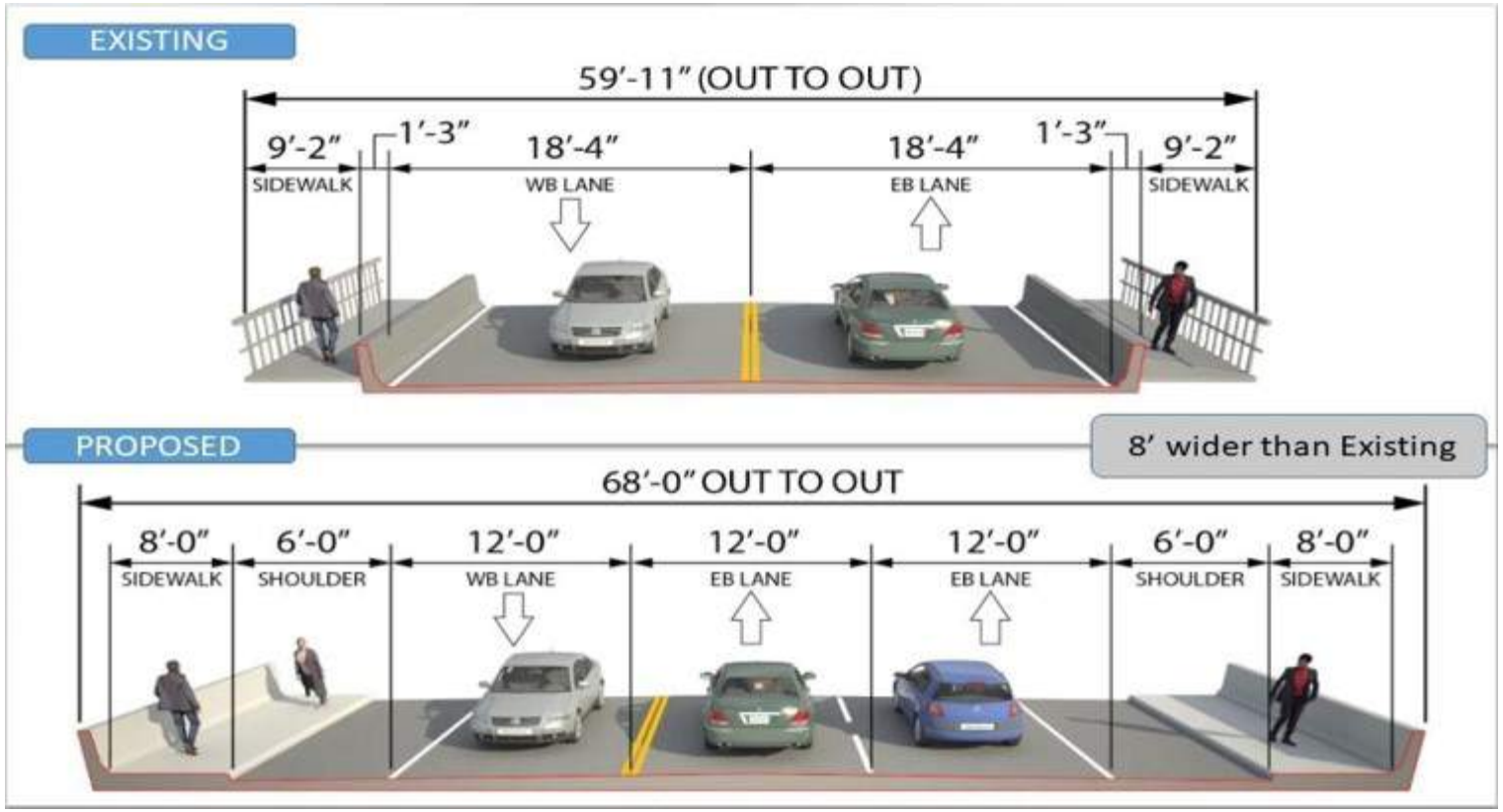
Preferred Preliminary Alternative Bridge Replacement

Bridge Replacement & Intersection Improvements (PPA)

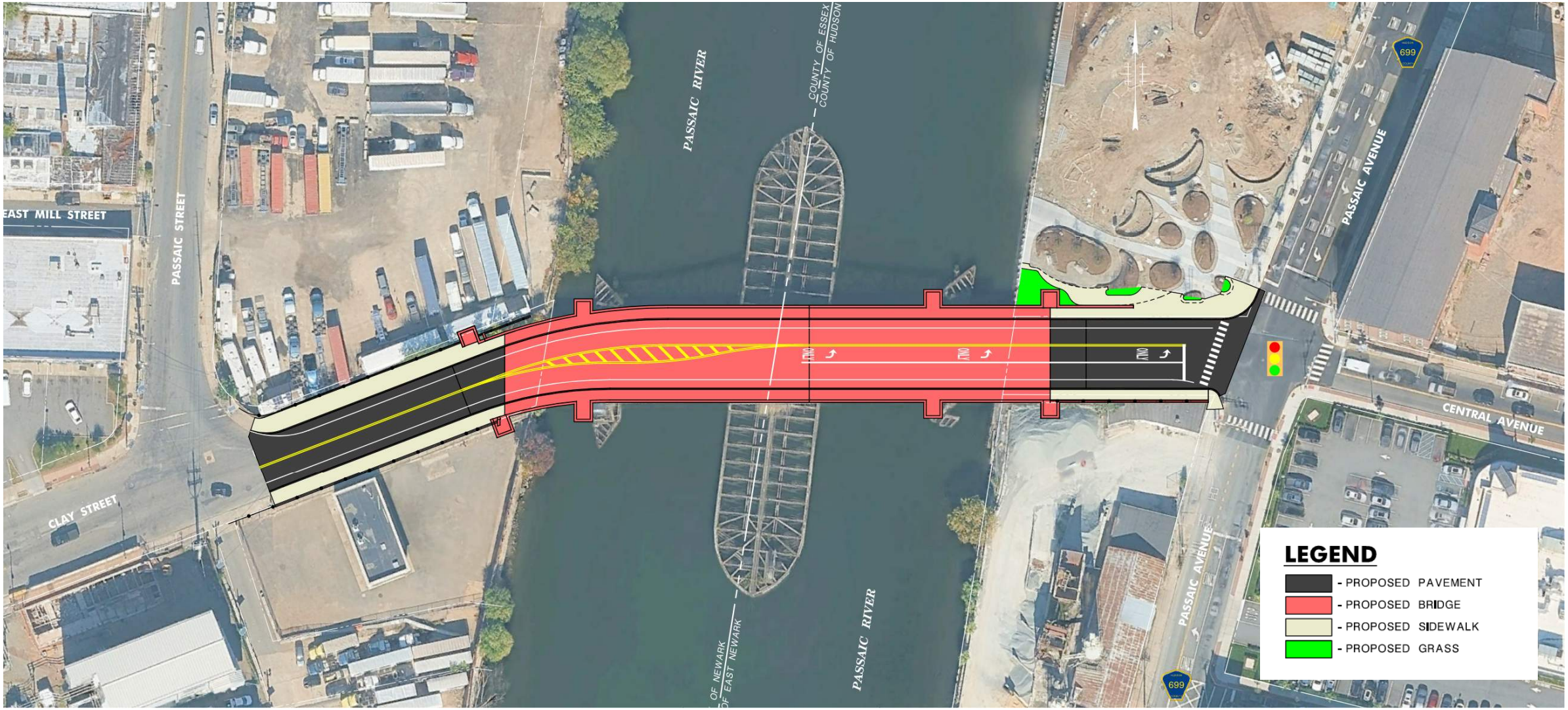
- New Bridge
  - Width = 68 feet
  - Two 12-foot eastbound lanes; one 12-foot westbound lane
  - 8-foot sidewalks on both sides
  - 6-foot outside shoulder in each direction
- Passaic Avenue Southbound Approach to Clay Street
  - Addition of an exclusive right turn lane to address high rate of vehicular crashes
  - Construction completed by Hudson County in 2025
- Passaic Avenue & Clay Street Intersection Improvements
  - ADA-compatible curb ramps
  - Pedestrian countdown heads and pushbuttons, crosswalks, etc. to address high rate of pedestrian crashes

Bridge Replacement & Intersection Improvements (PPA)

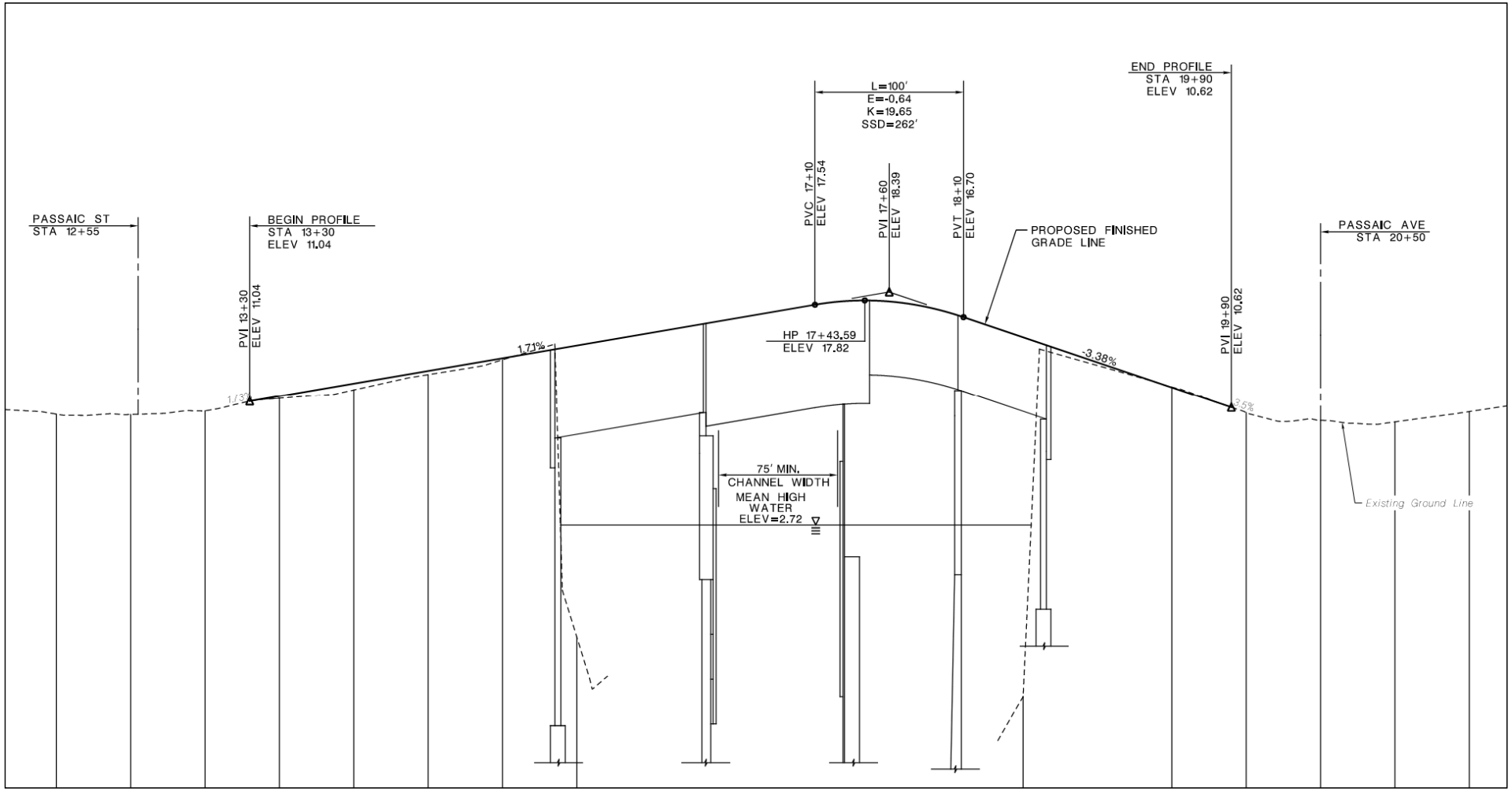
- Meets Project Purpose & Need and All Goals and Objectives
- Meets Recommendations from US Coast Guard for Current & Future Users of Passaic River
  - 18-foot clearance over MHW and one 75-foot navigation channel
- Minimal ROW and Environmental Impacts Compared to All Feasible Fixed Bridge Alternatives
- Eliminates Horizontal Curve Radius CSDE
- Supported by Community Stakeholders & General Public
- Resolutions of Support Obtained from City of Newark & Borough of East Newark, Town of Kearny & Town of Harrison, and Essex & Hudson Counties



Roadway Cross Section on Bridge



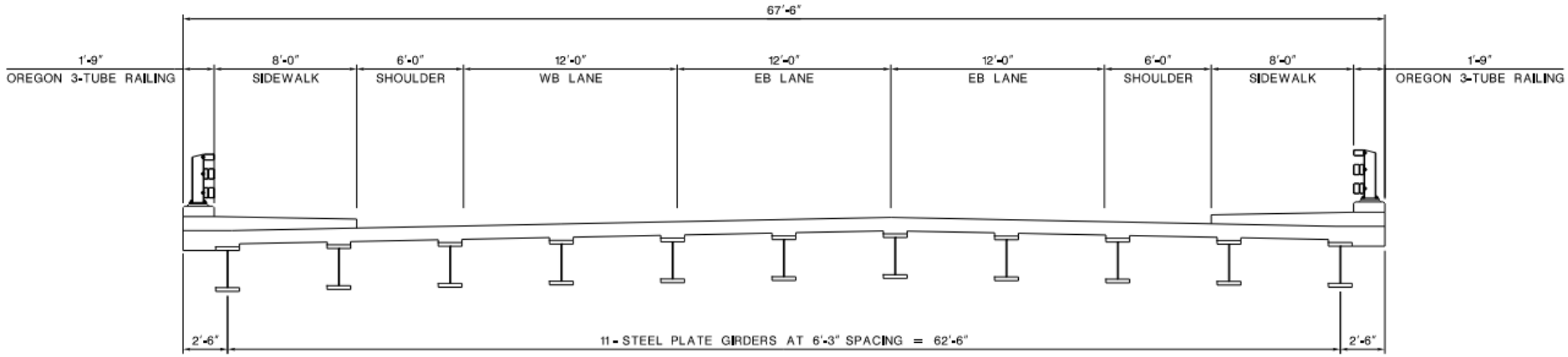
Clay Street Bridge Plan



Clay Street Bridge Profile

Bridge Structure Type Recommendation
Approach Spans

- Welded Steel Plate Girders
- Lighter weight than concrete (ease of constructability)
- Shallower depth than concrete
  - Will keep superstructure and bearings above FEMA 100-yr flood

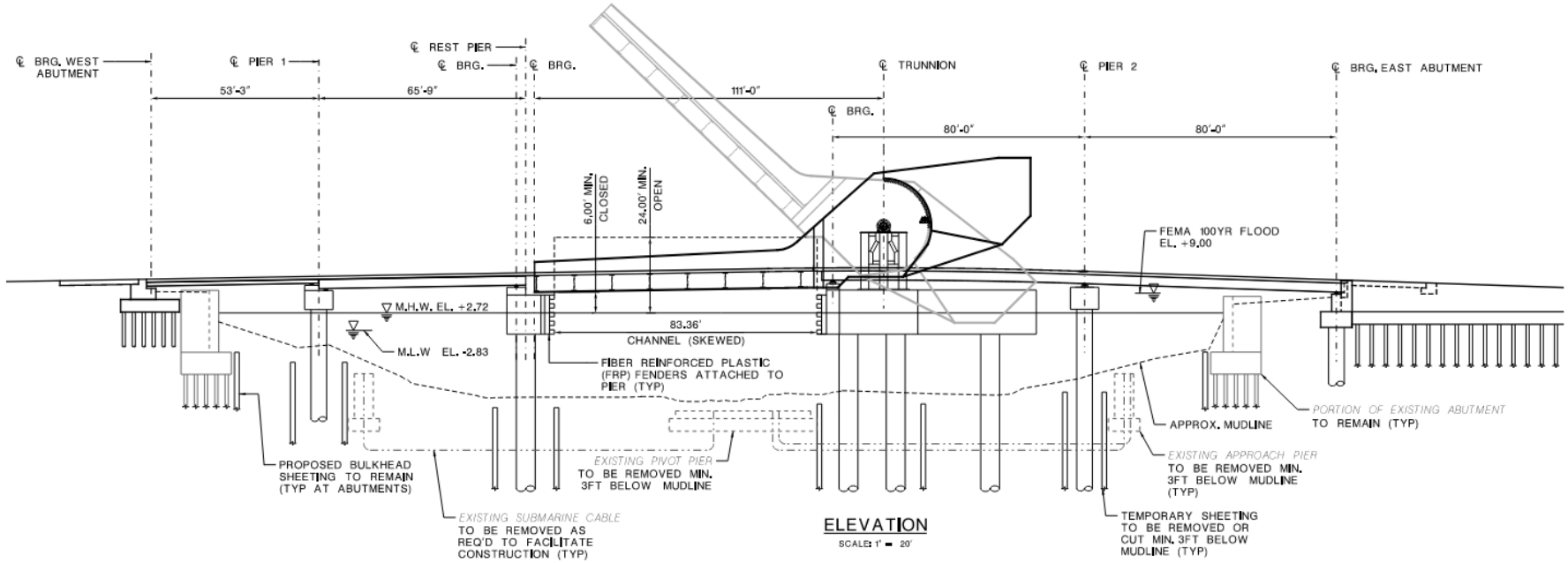


TYPICAL SECTION - EAST APPROACH SPAN

SCALE: 1/4" = 1'-0"

Bridge Structure Type Recommendation
Channel Span

- Single Leaf Bascule Span
- Elevated trunnion, rack/pinion, and independent counterweights
- Mechanical/Electrical elevated above FEMA 100yr Flood and Hurricane Sandy elevations



Clay Street Bridge Conceptual Renderings

Combined Sewer Coordination

- Existing combined sewers behind/thru abutments
  - Two 9’± diameter at West approach
  - One 3’ ± diameter at East Approach
- All pipes to remain active during construction
- Proposed abutments designed to safely construct around existing sewers
- Require contractor to protect existing during construction
  - Vibration monitoring
  - Specifications

West Abutment

East Abutment

Partial Bulkhead Reconstruction
West Abutment

- Permanent sheeting proposed in front of existing abutment
- Tie into bulkheads on either side
  - Extend approx. 25’ passed abutment on north and south
- Install tiebacks and backfill behind proposed sheeting as required

South Side

North Side

Partial Bulkhead Reconstruction
East Abutment

- Permanent sheeting proposed in front of existing abutment
- Tie into bulkheads on either side
  - North side - has existing bulkhead sheeting that can be continued
  - South side – extend approx. 20’ passed exist. abutment limits
- Install tiebacks and backfill behind proposed sheeting as required

South Side

North Side

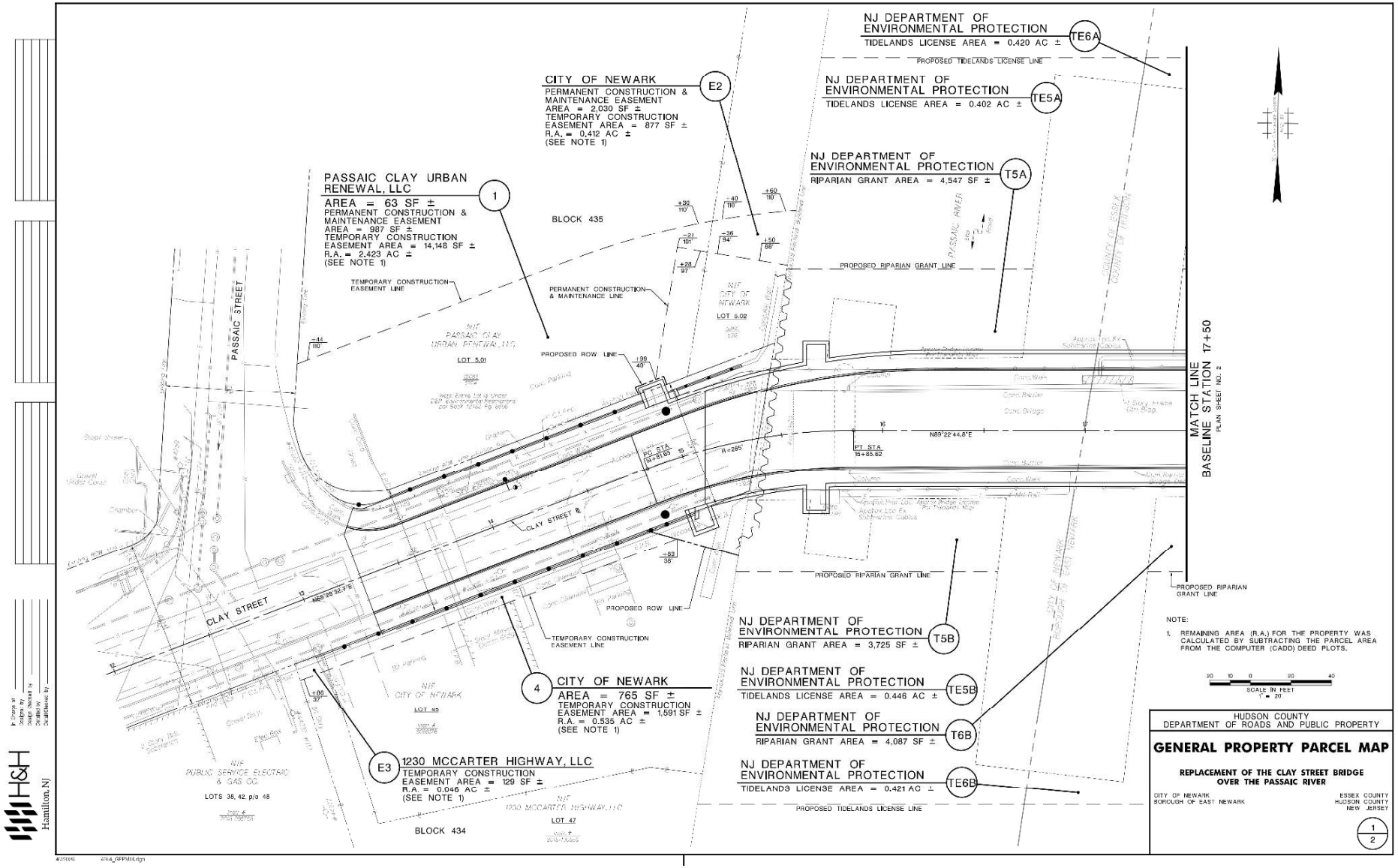
Right of Way & Access Impacts

Overview of Impacted Properties

Right of Way Impacts: City of Newark, Essex County

- Block 434, Lot 45
- Block 434, Lot 47
- Block 435, Lot 5.01
- Block 435, Lot 5.02

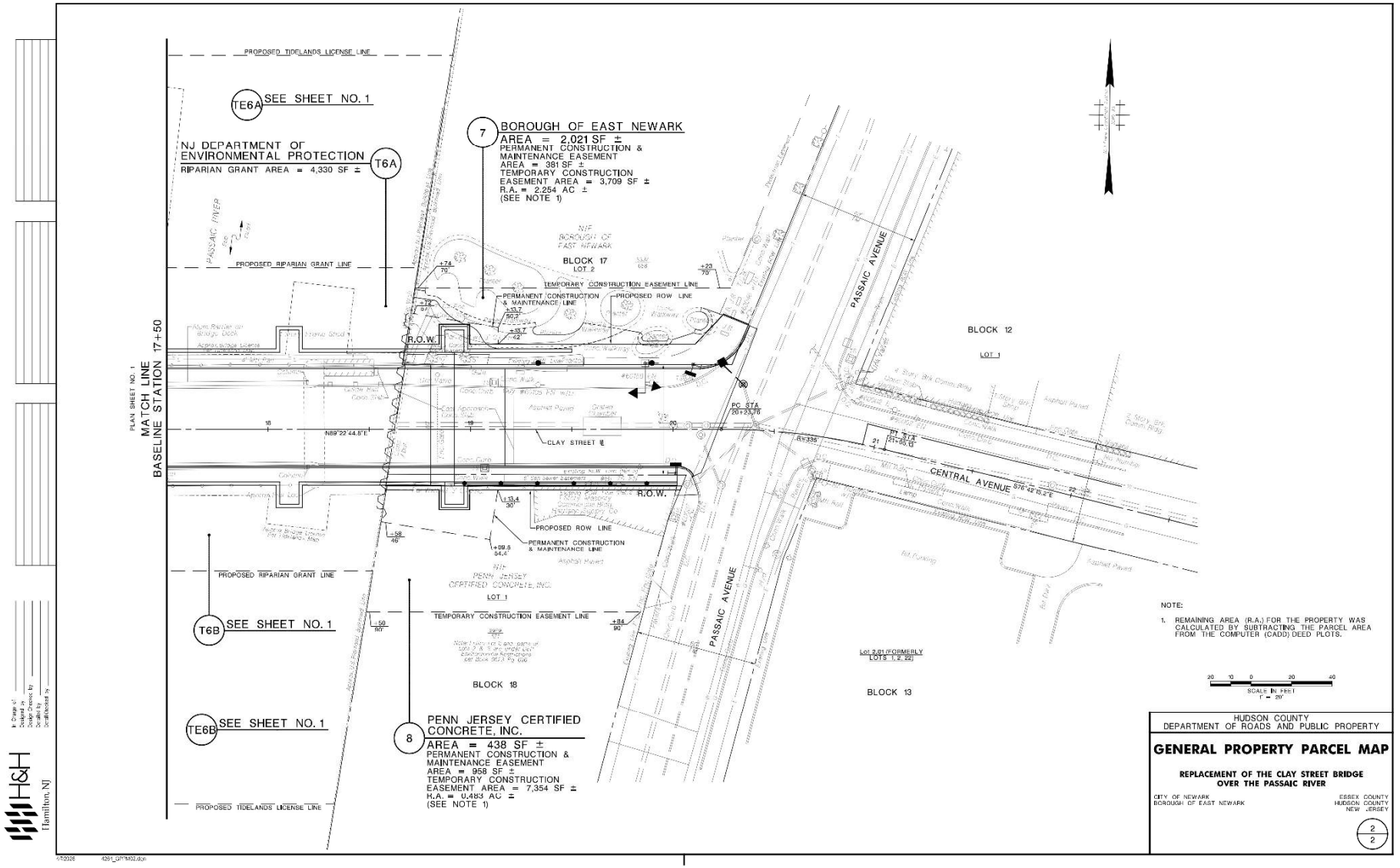
- NOTE: Tidelands License Areas & Riparian Grant Areas will be necessary in both Essex and Hudson Counties



Right of Way Impacts: Borough of East Newark, Hudson County

- Block 17, Lot 2
- Block 18, Lot 1

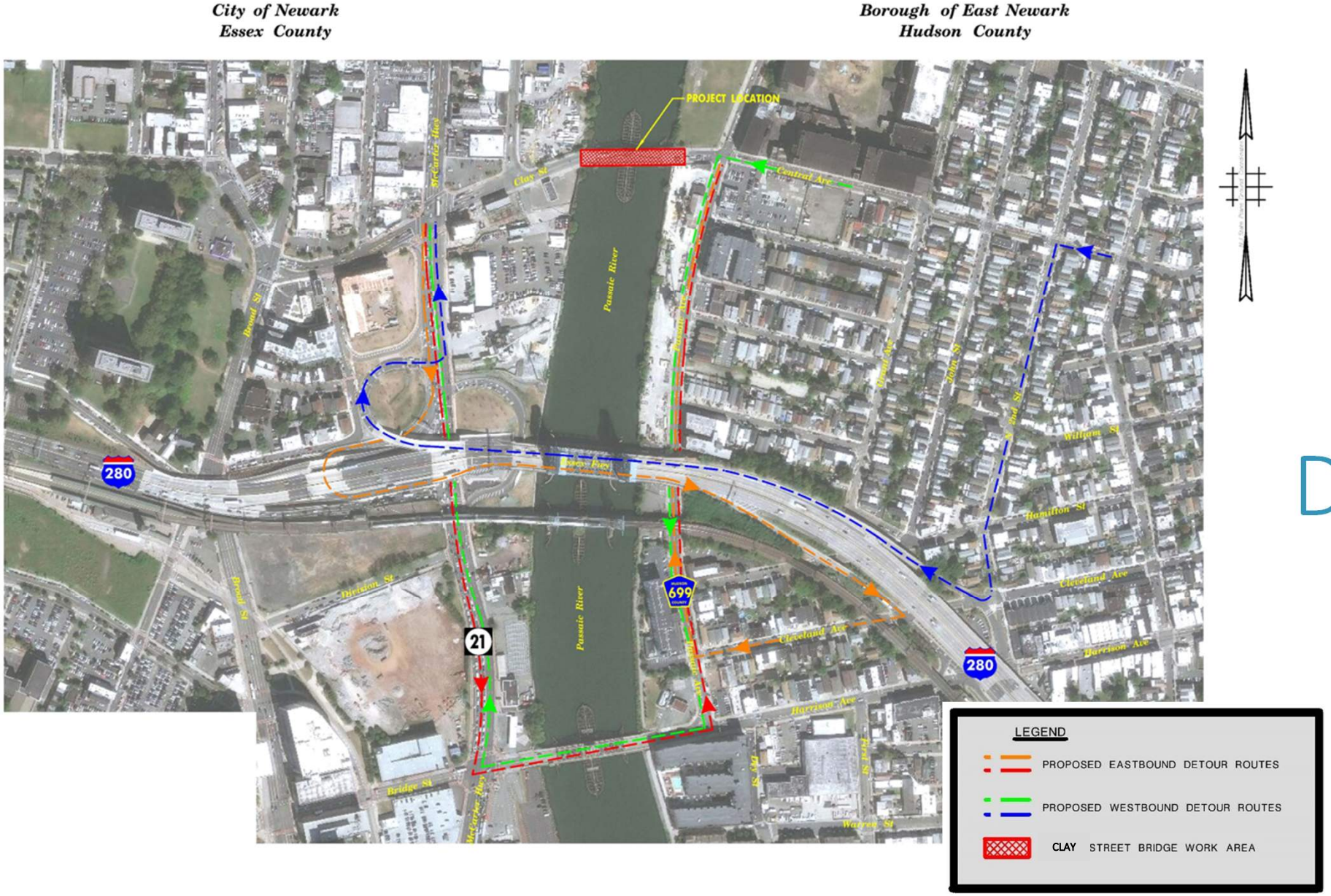
- NOTE: Tidelands License Areas & Riparian Grant Areas will be necessary in both Essex and Hudson Counties



Estimated PPA Project Cost

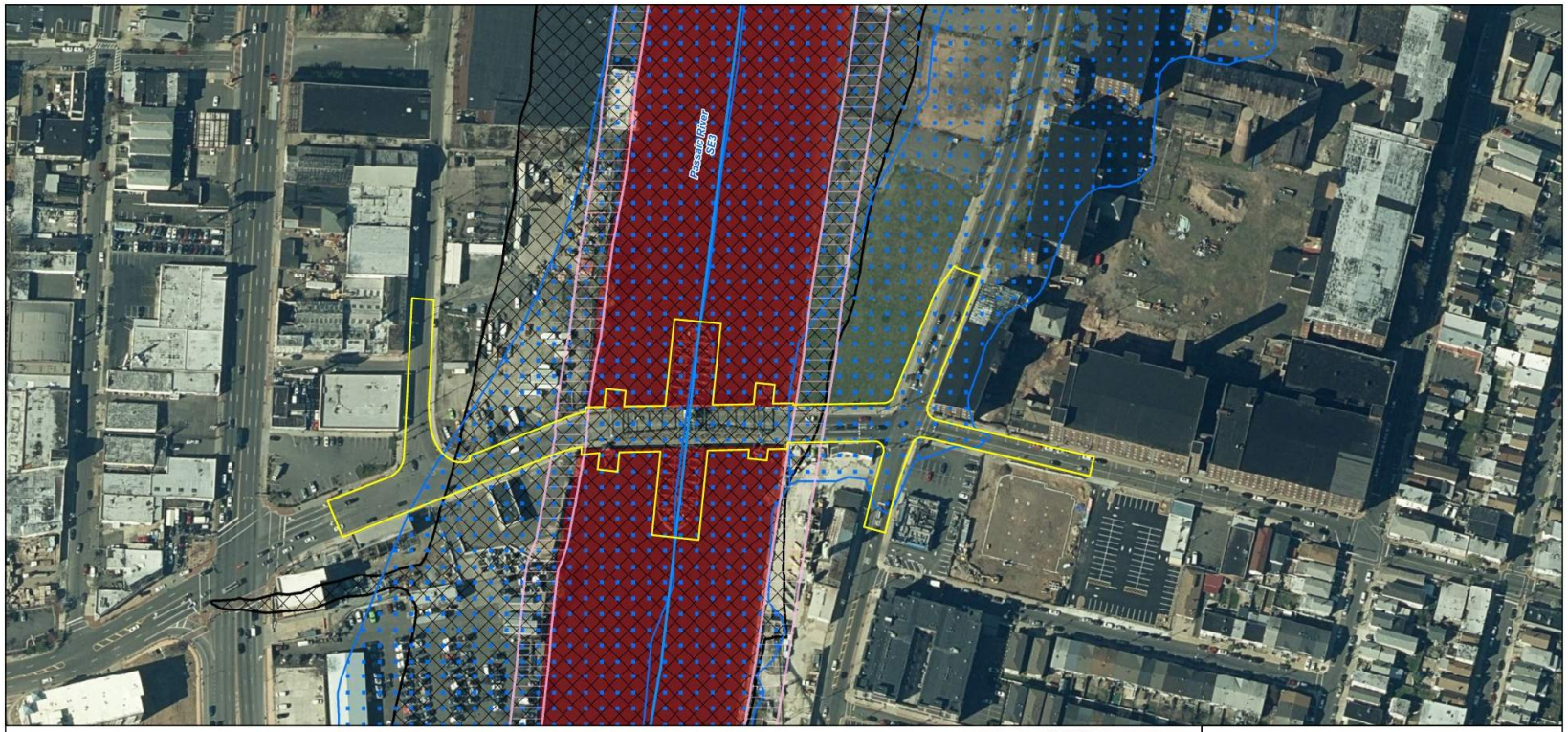
Work Activity	Anticipated Cost (M)
Roadway	$ 9.8
Bridge	$97.8
Utilities	$ 0.4
CE/CI	$11.0
Right of Way	$0.3
Escalation & Contingency	$16.3
Total	**$135.6**

Proposed Detour Plan



Environmental

Environmental Constraints Map

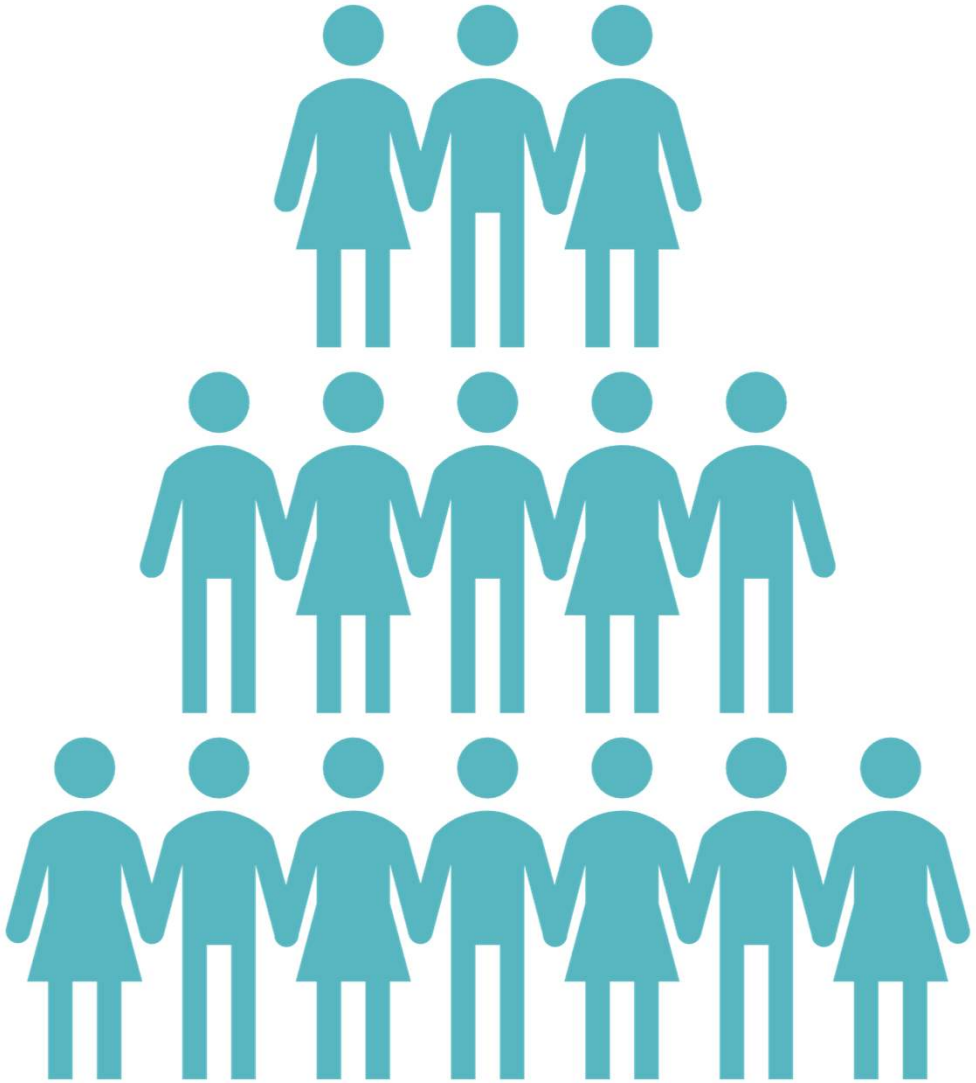


Cultural Resources

- Ongoing coordination with NJHPO for Cultural Resources
- Clay Street Bridge is eligible for the National Register of Historic Places (NRHP) as an increasingly rare bridge type (swing span).
- Replacement will have adverse effects on the NRHP-eligible bridge
- Recommended mitigation measures include interpretative signage, HAER documentation of the structure, and archaeological monitoring during construction.

PPA – Environmental Considerations

- Community Support for PPA
- Categorical Exclusions Document (CED) being prepared in the LPE Phase
- Section 106 (Cultural Resources) & Memorandum of Agreement
- Programmatic Section 4 (f)



Community Involvement & Public Outreach

Community Outreach Meetings

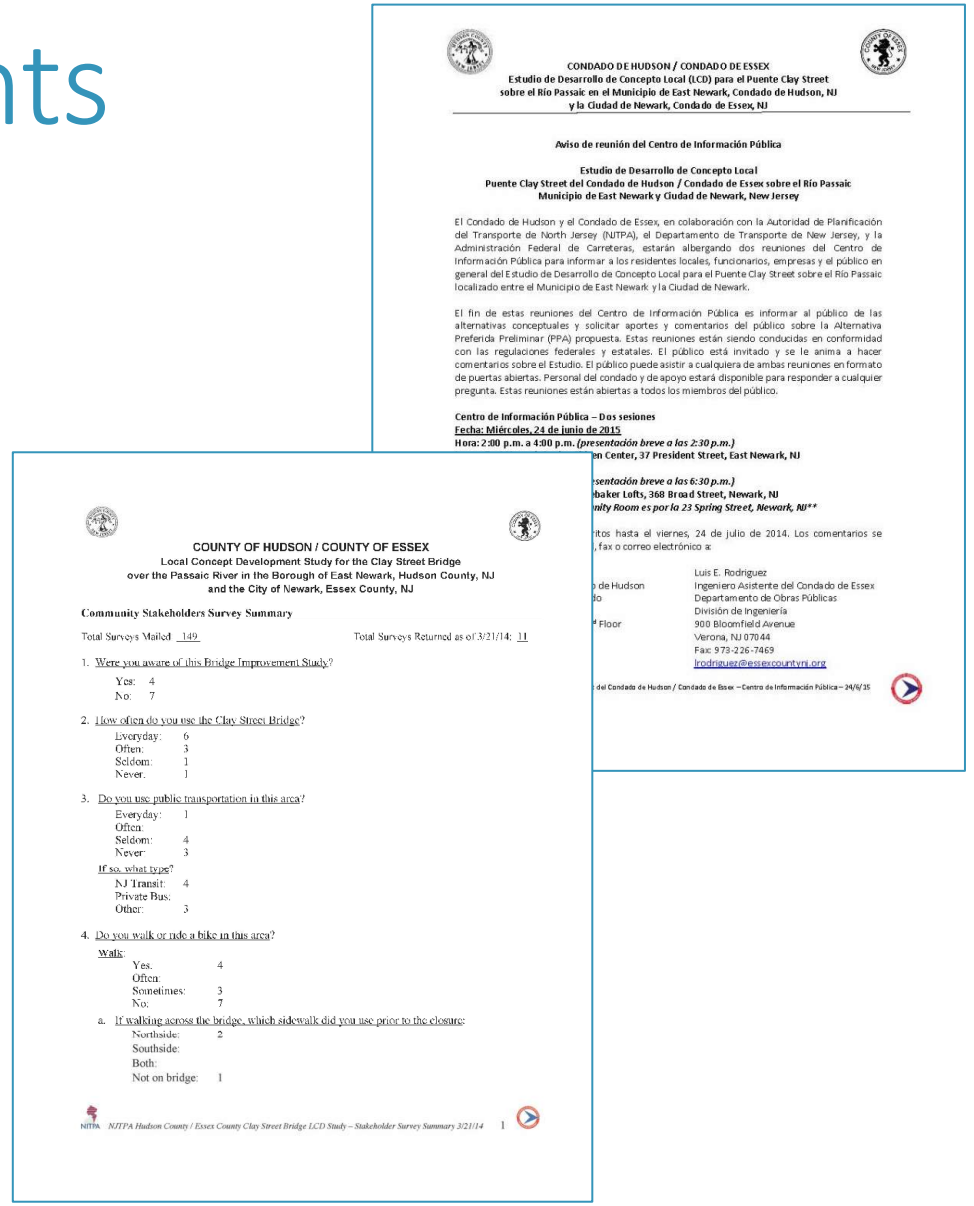
LCD Study Phase

- Local Officials Meeting No. 1
  - Borough of East Newark – January 29, 2014
  - City of Newark – February 26, 2016
- Community Stakeholders Meeting No. 1
  - March 24, 2014
- Public Information Center Meeting No. 1
  - April 7, 2014
- Community Stakeholders Meeting No. 2
  - City of Newark – October 22, 2014
  - Borough of East Newark – November 7, 2014

- Local Officials Meeting No. 2
  - Borough of East Newark & City of Newark – June 4, 2015
- Public Information Center Meeting No. 2
  - June 24, 2015

LCD Phase Public Comments

- Vital Link Between Communities on Both Sides of River
- Clay Street & Bridge Street Bridges Cannot be Closed at the Same Time
- Maintain & Improve Pedestrian & Bicycle Access and Connectivity
- Widen Bridge for Addition of Outside Shoulders & Left Turn Lane
- Expand Riverfront Access
- Improve Access to Clay Street for Redevelopment Opportunities



CONDADO DE HUDSON / CONDADO DE ESSEX
Estudio de Desarrollo de Concepto Local (LCD) para el Puente Clay Street
sobre el Río Passaic en el Municipio de East Newark, Condado de Hudson, NJ
y la Ciudad de Newark, Condado de Essex, NJ

Aviso de reunión del Centro de Información Pública

Estudio de Desarrollo de Concepto Local
Puente Clay Street del Condado de Hudson / Condado de Essex sobre el Río Passaic
Municipio de East Newark y Ciudad de Newark, New Jersey

El Condado de Hudson y el Condado de Essex, en colaboración con la Autoridad de Planificación del Transporte de North Jersey (NJTPA), el Departamento de Transporte de New Jersey, y la Administración Federal de Carreteras, estarán albergando dos reuniones del Centro de Información Pública para informar a los residentes locales, funcionarios, empresas y el público en general del Estudio de Desarrollo de Concepto Local para el Puente Clay Street sobre el Río Passaic localizado entre el Municipio de East Newark y la Ciudad de Newark.

El fin de estas reuniones del Centro de Información Pública es informar al público de las alternativas conceptuales y solicitar aportes y comentarios del público sobre la Alternativa Preferida Preliminar (PPA) propuesta. Estas reuniones están siendo conducidas en conformidad con las regulaciones federales y estatales. El público está invitado y se le anima a hacer comentarios sobre el Estudio. El público puede asistir a cualquiera de ambas reuniones en formato de puertas abiertas. Personal del condado y de apoyo estará disponible para responder a cualquier pregunta. Estas reuniones están abiertas a todos los miembros del público.

Centro de Información Pública – Dos sesiones
Fecha: Miércoles, 24 de junio de 2015
Hora: 2:00 p.m. a 4:00 p.m. *(presentación breve a las 2:30 p.m.)*
en Center, 37 President Street, East Newark, NJ

sentación breve a las 6:30 p.m.)
baker Lofts, 368 Broad Street, Newark, NJ
*nity Room es por la 23 Spring Street, Newark, NJ***

itos hasta el viernes, 24 de julio de 2014. Los comentarios se
, fax o correo electrónico a:

Luis E. Rodriguez
Ingeniero Asistente del Condado de Essex
Departamento de Obras Públicas
División de Ingeniería
900 Bloomfield Avenue
Verona, NJ 07044
Fax: 973-226-7469
lrodriguez@essexcountynj.org

del Condado de Hudson / Condado de Essex – Centro de Información Pública – 24/6/15

COUNTY OF HUDSON / COUNTY OF ESSEX
Local Concept Development Study for the Clay Street Bridge
over the Passaic River in the Borough of East Newark, Hudson County, NJ
and the City of Newark, Essex County, NJ

Community Stakeholders Survey Summary

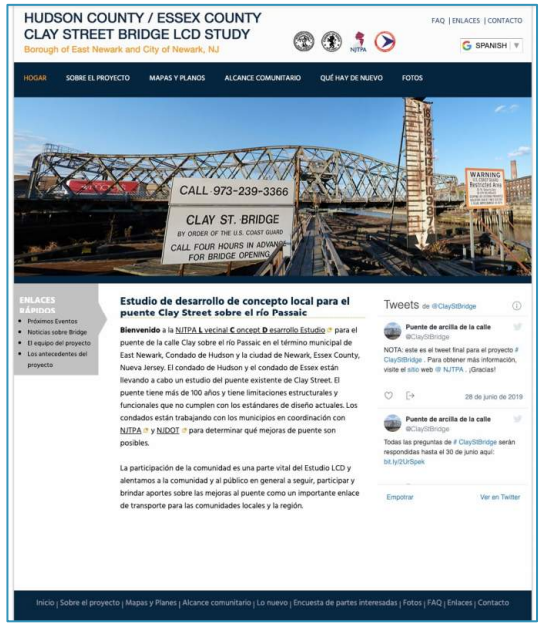
Total Surveys Mailed 149 Total Surveys Returned as of 3/21/14: 11

1. Were you aware of this Bridge Improvement Study?
   Yes: 4
   No: 7
2. How often do you use the Clay Street Bridge?
   Everyday: 6
   Often: 3
   Seldom: 1
   Never: 1
3. Do you use public transportation in this area?
   Everyday: 1
   Often:
   Seldom: 4
   Never: 3
   If so, what type?
   NJ Transit: 4
   Private Bus:
   Other: 3
4. Do you walk or ride a bike in this area?
   Walk:
   Yes. 4
   Often:
   Sometimes: 3
   No: 7
   a. If walking across the bridge, which sidewalk did you use prior to the closure:
   Northside: 2
   Southside:
   Both:
   Not on bridge: 1

NJTPA Hudson County / Essex County Clay Street Bridge LCD Study – Stakeholder Survey Summary 3/21/14 1

Community Outreach for LPE Phase

- Access Notification/LPE Introduction Letter Mailing – January 12, 2024
- Local Officials Meeting No. 1 – January 17, 2024, *Online*
- Community Stakeholders Meeting No. 1 – July 23, 2025, *Online*
- Local Officials Meeting No. 2 – April 13, 2026, *Online*
- Public Information Center Meeting – April 27, 2026, *Online*
- Project Website: www.claystbridge.com
- Project Email Address: claystbridge@gmail.com



Question and Answer Session

- For questions, please use the Chat Box.
- Official comments must be submitted via the methods listed by Friday, May 29, 2026 to be accepted as public record documentation.

Comments may be submitted via:

E-mail: claystbridge@gmail.com

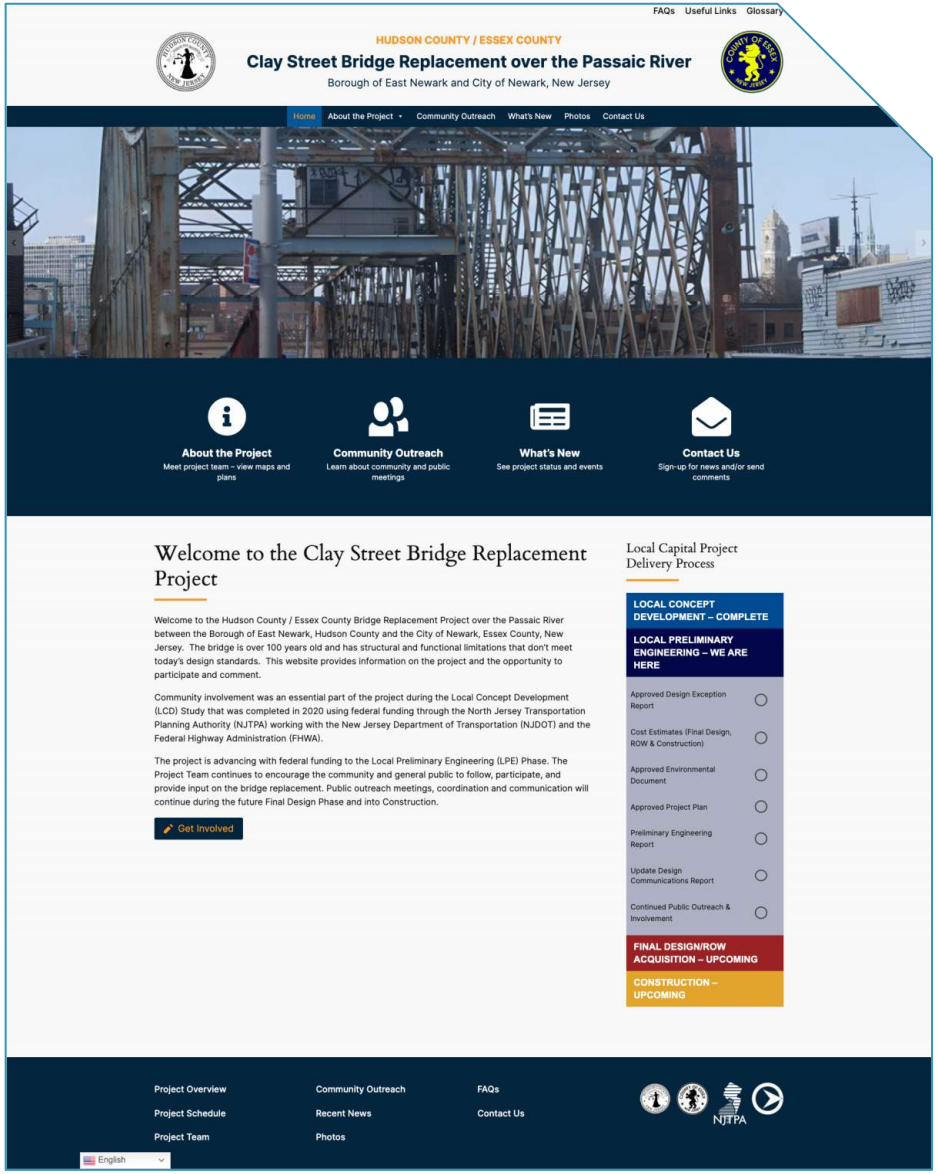
Online: www.claystbridge.com

Mail: Joseph Glembocki, P.E.
Hudson County Assistant County Engineer
Division of Engineering
830 Bergen Avenue, Floor 6B
Jersey City, NJ 07306

Next Steps

- PIC presentation and recording will be available to view on the project website: www.claystbridge.com
- PIC Summary Meeting Report will post to website after 30-day public comment period ends 5/29/26.
- Preparation of Local Preliminary Engineering Report.
- Interagency Review Committee to Concur on Project Advancement to Final Design phase*.
- Visit Project Website for Updates: www.claystbridge.com
- For questions and comments, please send to: claystbridge@gmail.com

**contingent upon funding availability*



Thank You

- For information: www.claystbridge.com
- Submit questions or comments: claystbridge@gmail.com

Contact Information

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