

Dover & Rockaway Rail Realignment Project

Public
Information
Center

May 28, 2020



Jakub Rowinski, NJTPA Project Manager

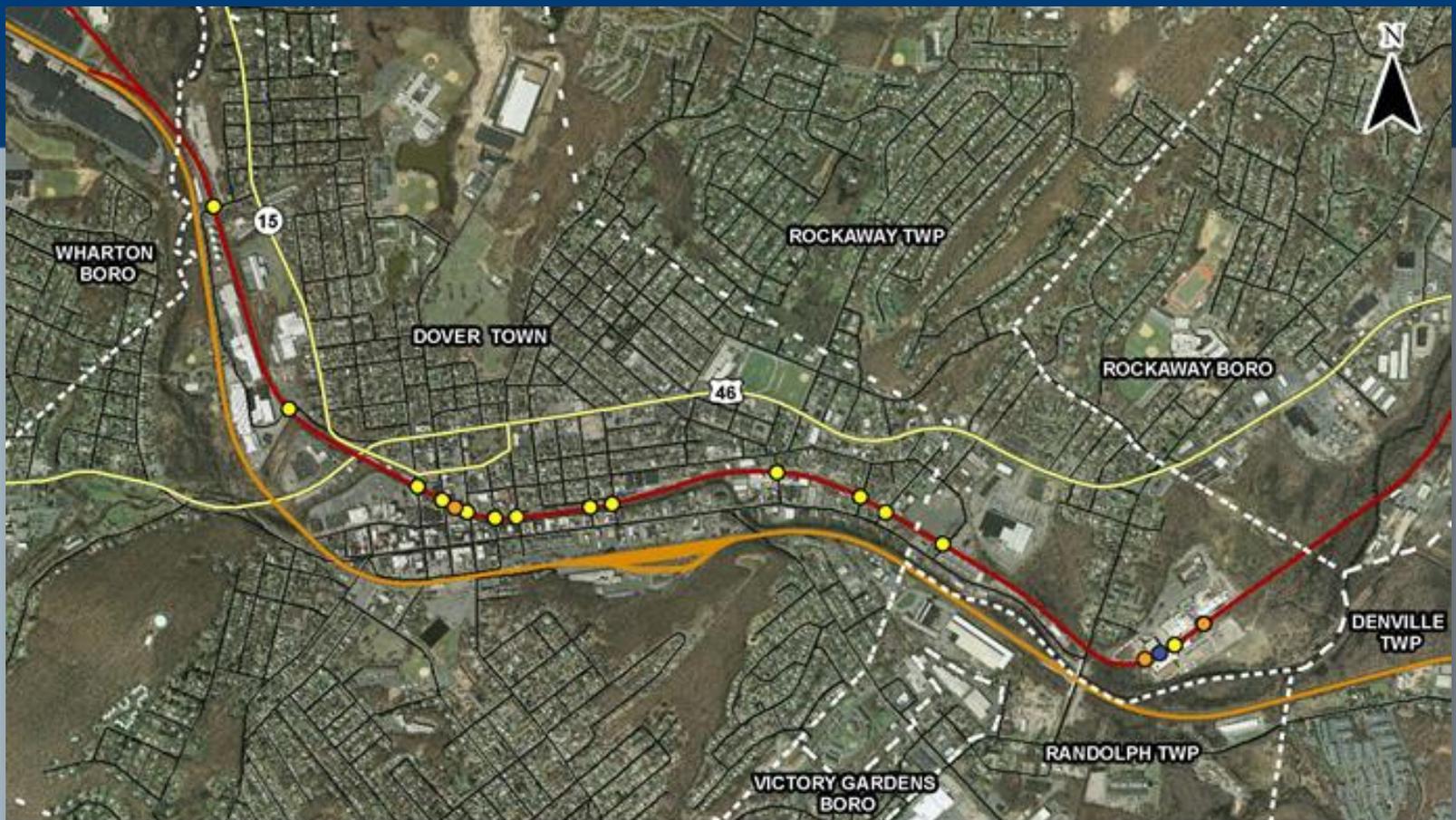
Scott Parker, Jacobs Engineering Project Manager



Meeting Agenda

- Project Overview
- Data Collection
- Stakeholder Engagement
- Alternatives Scoring and Selection of Preliminary Preferred Alternative (PPA)
- Next Steps

Project Overview



Source: US Census 2015; NJDOT 2015; NJOGIS 2017; Jacobs 2017

Dover & Rockaway Rail Realignment Project

Legend

-  NJ TRANSIT Morristown Line
-  Dover & Rockaway Railroad
-  Municipality Border
-  At-Grade Crossings
-  Private driveway
-  Pedestrian crossing
-  Roadway Network
-  Major Road



NJTPA Freight Concept Development Program

1,000 500 0 1,000 Feet



Project Overview

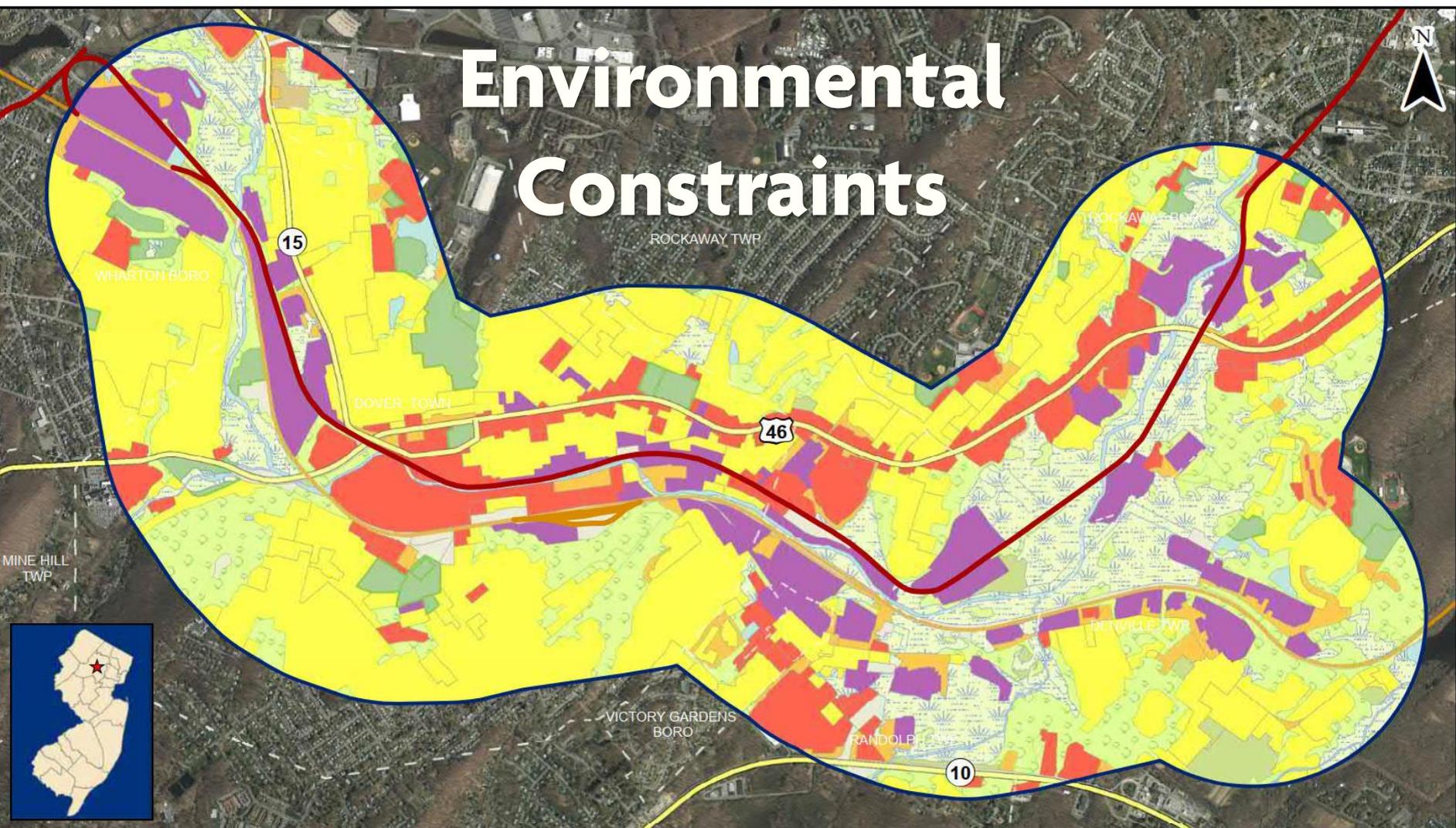
The purpose of this project is to optimize freight movement and improve safety by reducing conflicts between the Dover & Rockaway Railroad (“D&R”) freight line and vehicular and pedestrian traffic especially in downtown Dover.

- 12 un-gated at-grade road and 1 un-gated private driveway crossings in the Town of Dover
- 2 un-gated at-grade road, 2 un-gated private driveway and 1 un-gated pedestrian crossings in the Township of Rockaway
- Pedestrian and roadway safety concerns
- Noise and air quality impacts
- Inefficient rail operations

Key Constraints

- Existing Land Use
- Wetlands
- C-1 Waterways and Stream Corridors
- Flood Hazard Areas
- Threatened and Endangered Species
- Hazardous Materials
- Utilities
- Historic / Cultural Resources

Environmental Constraints



Legend

- Project Area
- Municipality Border
- Major Road
- NJ TRANSIT Morristown Line
- Dover & Rockaway Railroad

Land Use:

- | | |
|---------------------------|--|
| WATER BODIES | INDUSTRIAL |
| RECREATIONAL & OPEN SPACE | MILITARY INSTALLATIONS |
| COMMERCIAL/SERVICES | MIXED URBAN OR BUILT-UP LAND |
| CROPLAND AND PASTURELAND | RESIDENTIAL |
| WOODED LAND | TRANSPORTATION/COMMUNICATION/UTILITIES |
| WETLANDS | |

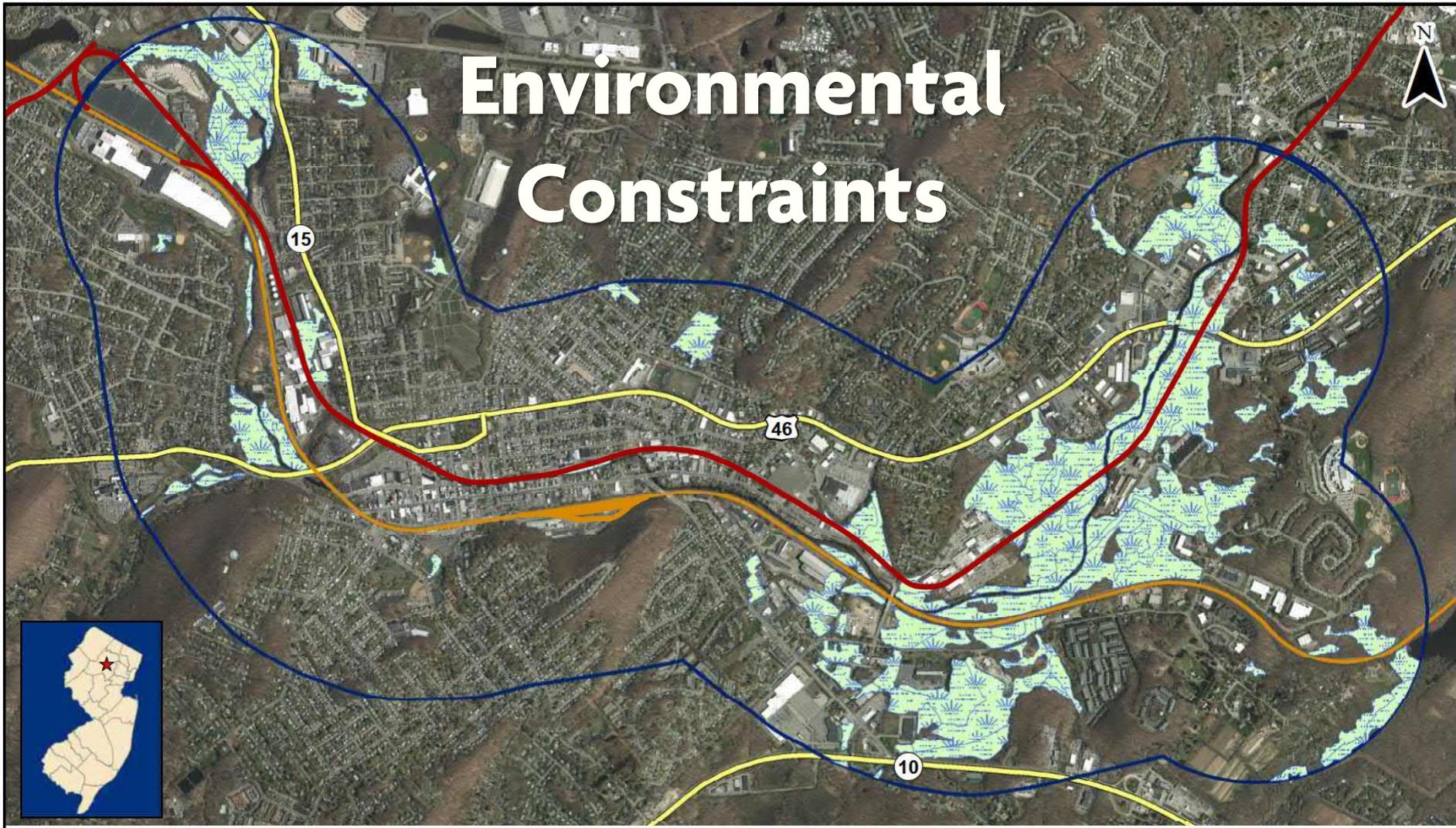
**Land Use
in the
Dover-Rockaway Project Area**

1,500 750 0 1,500 Feet



Source: NJDOT 2015; NJOGIS 2017; Jacobs 2017

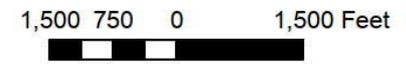
Environmental Constraints



Legend

-  Mapped Wetlands
-  Project Area
-  Municipality Border
-  Major Road
-  NJ TRANSIT Morristown Line
-  Dover & Rockaway Railroad

**Mapped Wetlands
in the
Dover-Rockaway Project Area**



Source: NJDOT 2015; NJDEP 2017; NJOGIS 2017; Jacobs 2017

Environmental Constraints



Legend

- Non- C1 Water
- C1 Waters
- 300' C1 Buffer
- Project Area
- Municipality Border
- Major Road
- NJ TRANSIT Morristown Line
- Dover & Rockaway Railroad

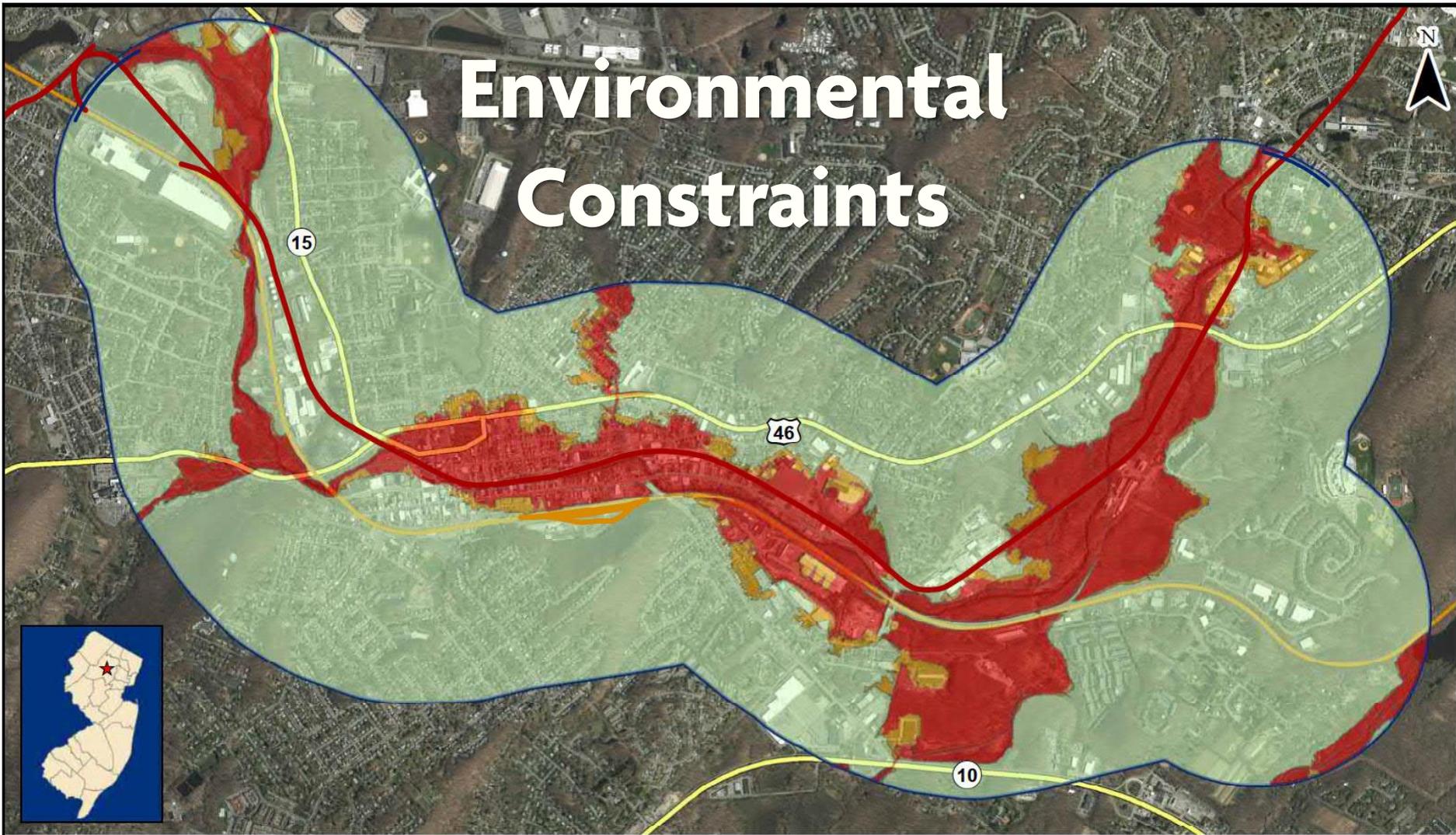
**C1 Waters and Buffers
in the
Dover-Rockaway Project Area**

1,500 750 0 1,500 Feet



Source: NJDOT 2015; NJDEP 2017; NJOGIS 2017; Jacobs 2017

Environmental Constraints



Legend

FEMA Flood Zone

Areas Historically Subject to Flooding

- 500 Year Flood Zone
- 100 Year Flood Zone

Areas Not Historically Subject to Flooding



- Project Area
- Municipality Border
- Major Road
- NJ TRANSIT Morristown Line
- Dover & Rockaway Railroad

Flood Hazard Areas in the Dover-Rockaway Project Area

1,500 750 0 1,500 Feet



Source: NJDOT 2015; Morris County 2017; NJOGIS 2017; Jacobs 2017

Environmental Constraints



Threatened and Endangered Species in the Dover-Rockaway Project Area



Source: NJDOT 2015; NJDEP 2017
NJOGIS 2017; Jacobs 2017

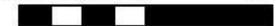
Legend

- | | |
|--|--|
|  Rank 1 - Habitat specific requirements |  Project Area |
|  Rank 2 - Special Concern |  Municipality Border |
|  Rank 3 - State Threatened |  Major Road |
|  Rank 4 - State Endangered |  NJ TRANSIT Morristown Line |
|  Rank 5 - Federal Listed |  Dover & Rockaway Railroad |

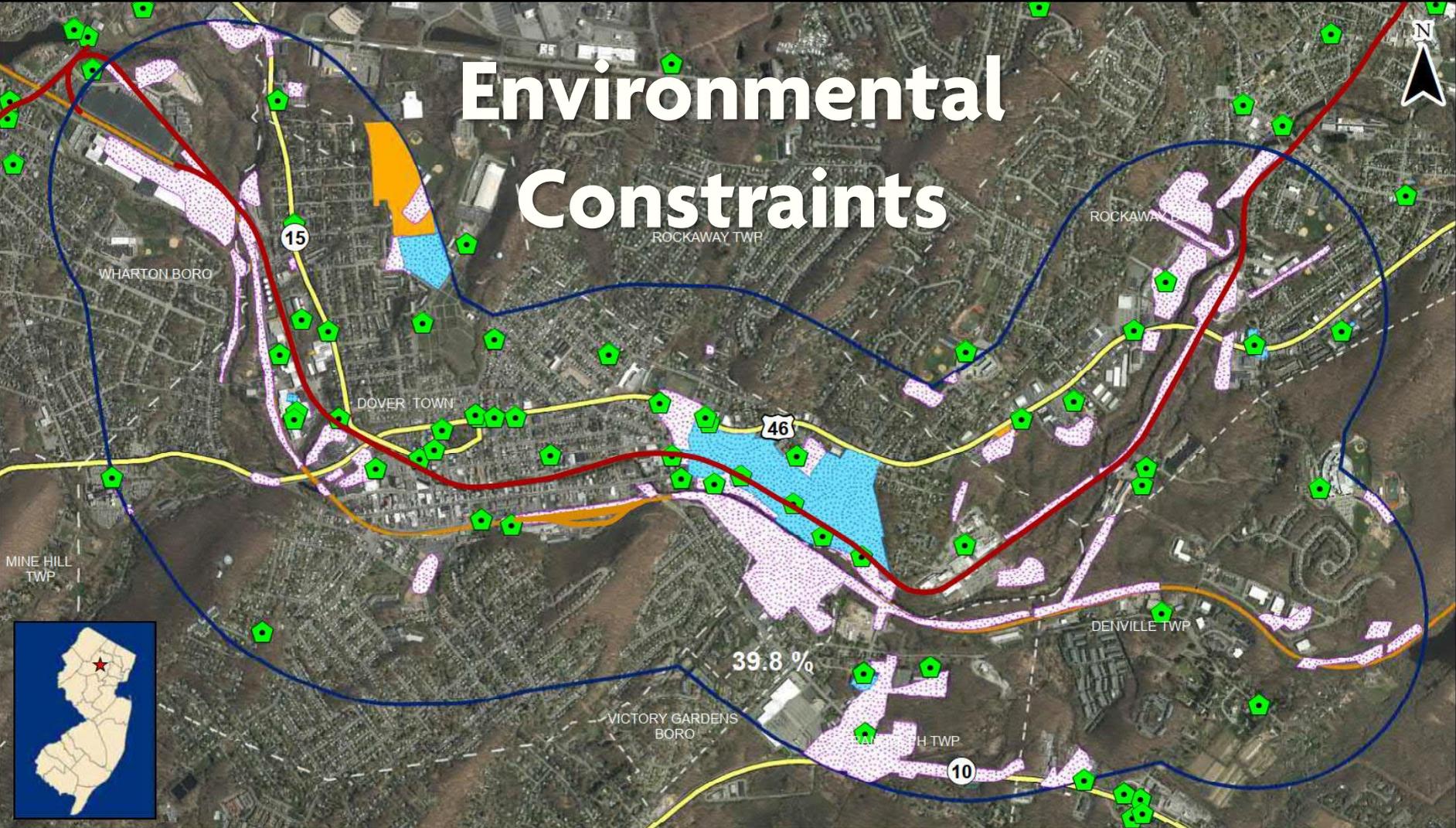


**NJTPA Freight Concept
Development Program**

1,500 750 0 1,500 Feet



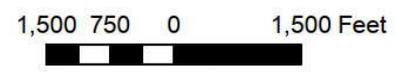
Environmental Constraints



Legend

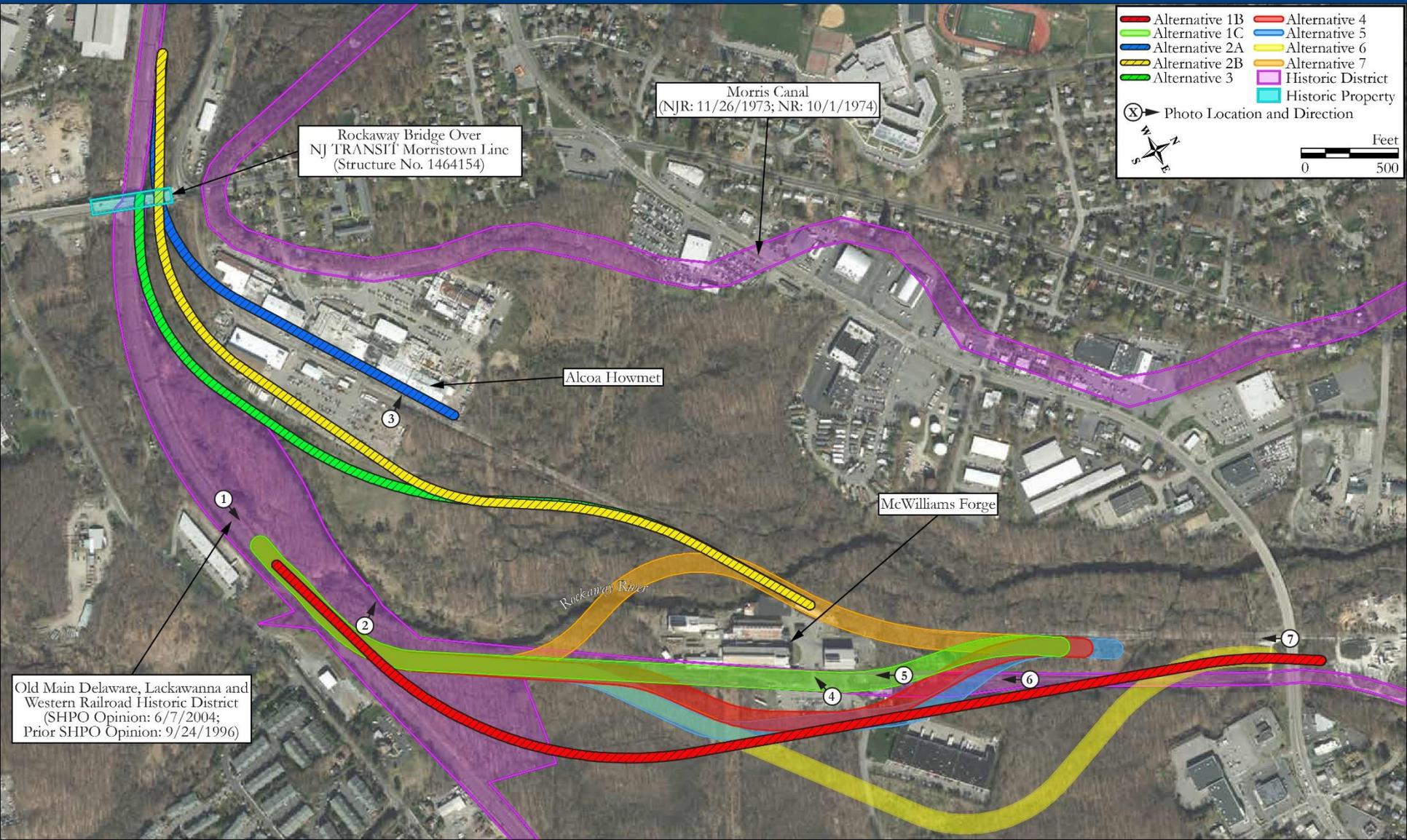
-  Known Contaminated Sites
-  Deed Notice
-  Groundwater Exception
-  Historic Fill
-  Project Area
-  Municipality Border
-  Major Road
-  NJ TRANSIT Morristown Line
-  Dover & Rockaway Railroad

**Known Hazardous Materials Concerns
in the
Dover-Rockaway Project Area**

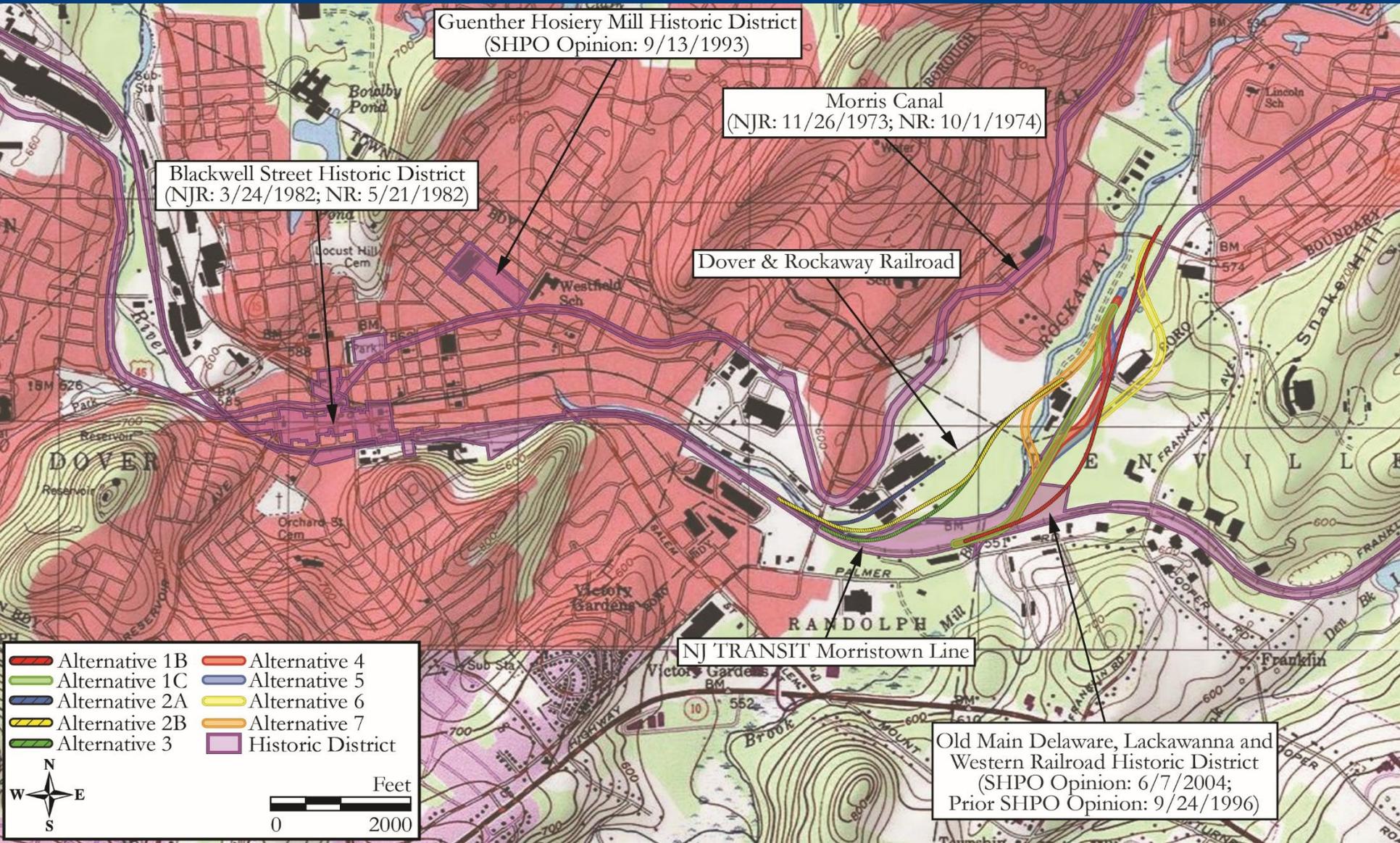


Source: NJDOT 2015; NJOGIS 2017; Jacobs 2017

Historic and Cultural Resources

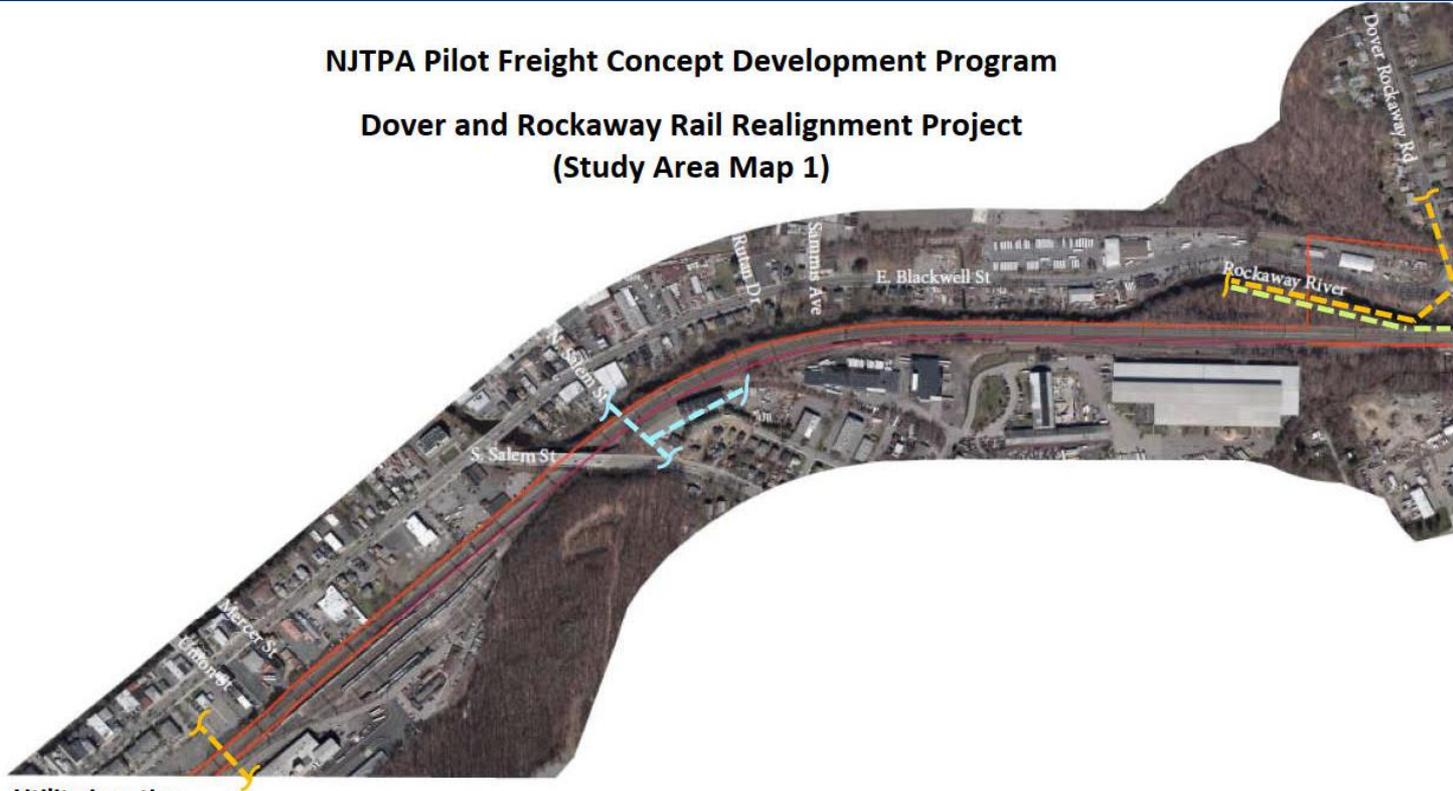


Historic and Cultural Resources



Utilities

NJTPA Pilot Freight Concept Development Program Dover and Rockaway Rail Realignment Project (Study Area Map 1)



Utility Location

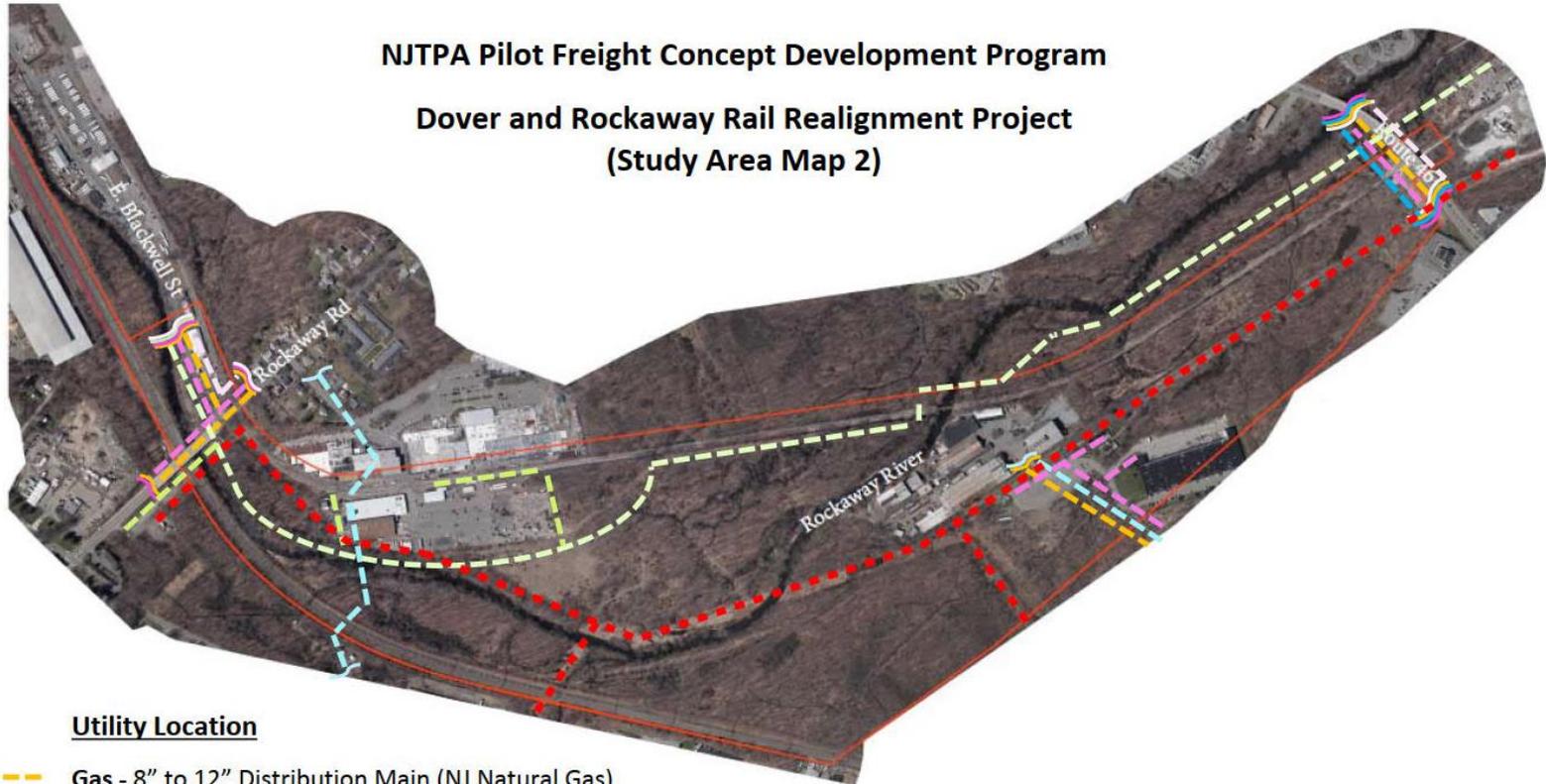
- Gas -12" Steel Transmission Main (NJ Natural Gas)
- Regional Sewer¹ - Interceptor (Rockaway Valley Regional Sewerage Authority)
- **Power** - Only provides information via in-person. (First Energy Corporation)
- Telecommunications - "No facilities near railway"
- Water -10" pipe (Town of Dover Water Commission)

Project Identification

- Base Mapping Boundary

Utilities

NJTPA Pilot Freight Concept Development Program Dover and Rockaway Rail Realignment Project (Study Area Map 2)



Utility Location

- Gas - 8" to 12" Distribution Main (NJ Natural Gas)
- Regional Sewer - Interceptor (Rockaway Valley Regional Sewerage Authority)
- Power Overhead 5Kv to 34.5 Kv (First Energy Corporation)
- Telecommunications - Fiber or 0.25" EHS Support Aerial (Optimum)
- Telecommunications - Conduit and Aerial 1-11/4" ID (Verizon)
- Water - ≤ 12" pipe (Township of Denville Water Utility)
- Water - water main under Route 46 (Rockaway Borough Department of Public Works)

Project Identification

- Base Mapping Boundary

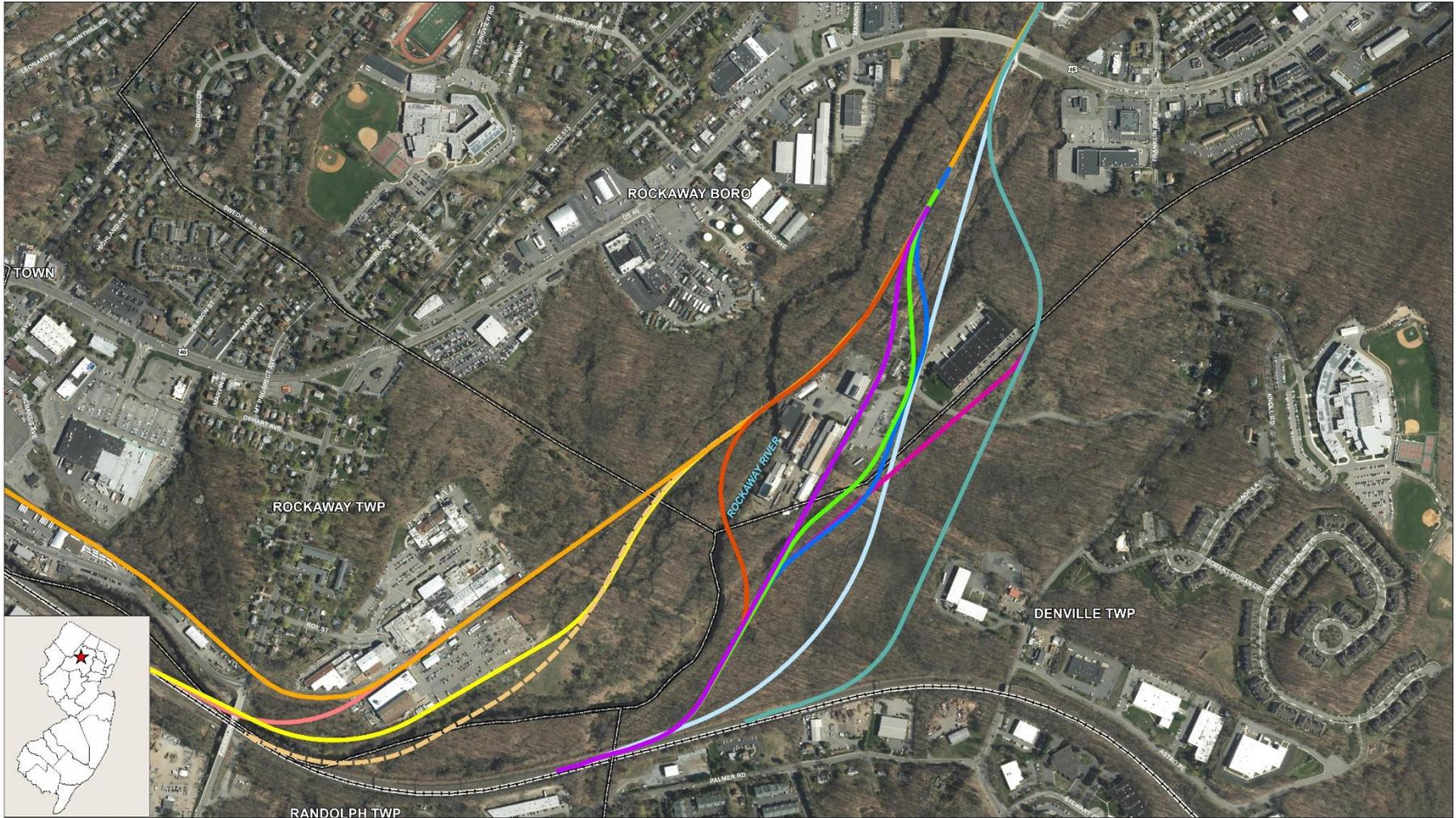
Stakeholder Engagement

- Agencies
 - NJ TRANSIT
 - NJ Department of Transportation
 - New Jersey Historic Preservation Office
- Property Owners / Businesses
 - McWilliams Forge
 - Sandy and Tim McWilliams
 - Donjon Recycling
 - Dover and Rockaway River Railroad
- Local Officials Briefing
- Public Information Center
- Project Website

Alternatives – Alternative Switch Location

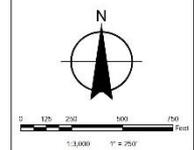


Alternatives Considered

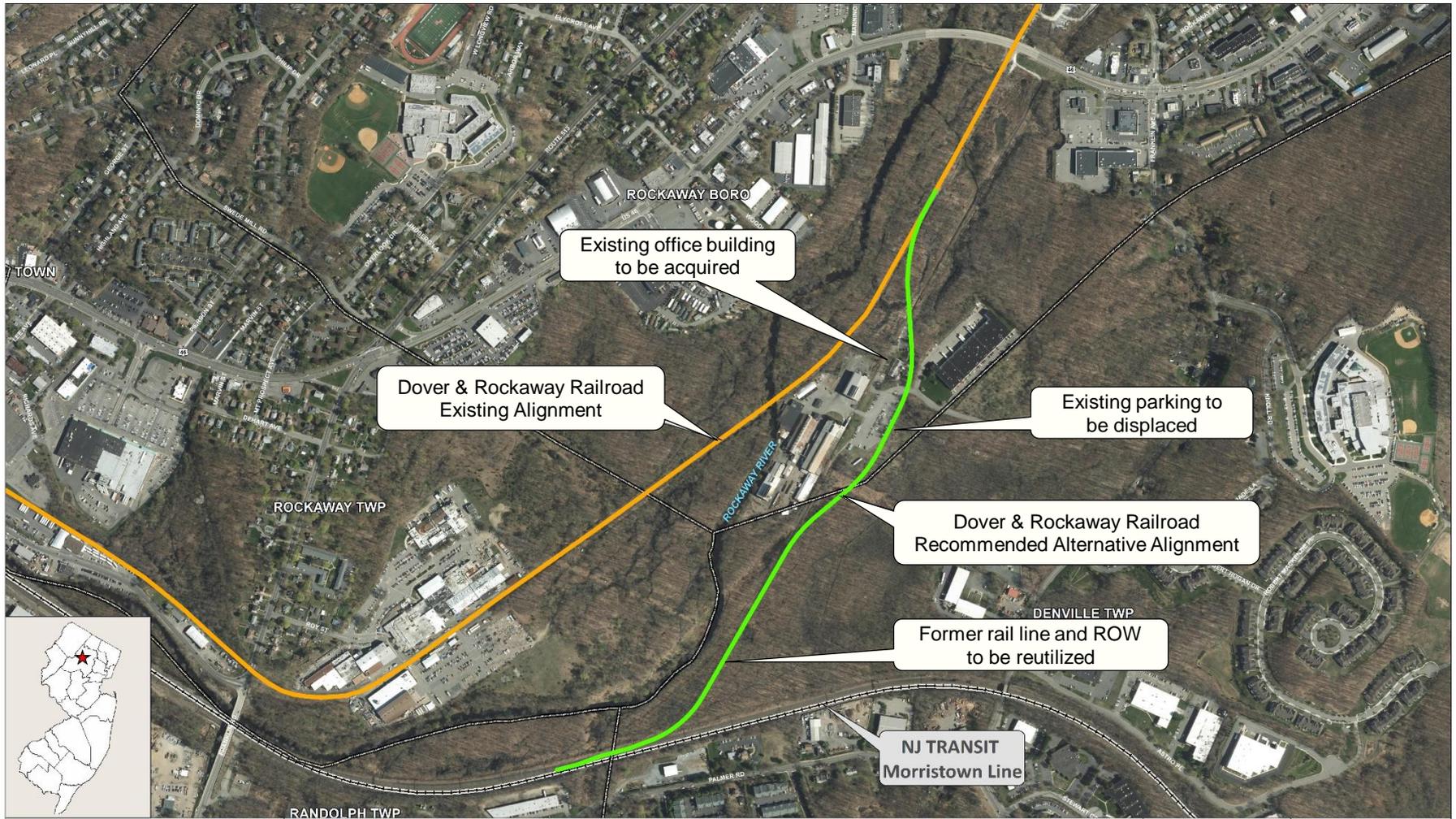


OVERALL ALIGNMENTS CONSIDERED Dover-Rockaway Project Area LEGEND

- | | | | |
|----------------------------|--------------------------|-----------------------|----------------------|
| NJ TRANSIT Morristown Line | Proposed Alignment 1A/1C | Proposed Alignment 2B | Proposed Alignment 5 |
| Dover & Rockaway Railroad | Proposed Alignment 1B | Proposed Alignment 3 | Proposed Alignment 6 |
| Municipal Borders | Proposed Alignment 2A | Proposed Alignment 4 | Proposed Alignment 7 |
| | | | Proposed Alignment 8 |



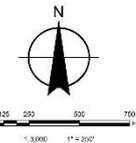
Preliminary Preferred Alternative



Dover & Rockaway Railroad Realignment Existing and Recommended Alternative Alignments

LEGEND

- NJ TRANSIT Morristown Line
- Dover & Rockaway Railroad
- Recommended Alternative Alignment (Proposed Alignment 4)
- Municipal Borders



Revised: 8/20/15 11:46 AM
 Modified: 10/1/2015 10:00 AM

Alternatives – Scoring

- Relative Scoring Process
- 14 Criteria

Highly Beneficial	5
Moderately Beneficial	3
Minorly Beneficial	1
Neutral	0
Minorly Detrimental	-1
Moderately Detrimental	-3
Highly Detrimental	-5
Fatally Flawed	-100

Alternatives – Scoring

Criteria	East Switch			West Switch			Alignment				
	1-A	1-B	1-C	2-A	2-B	3	Thru Bldg & Lot	Between Bldgs	Easterly Swing 1	Westerly Swing	Easterly Swing 2
Freight Rail Operations Impacts / Benefits	3	3	3	3	3	3	3	3	3	3	3
Passenger Rail Operations Impacts / Benefits	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Adjacent and Proximate Land Use Impacts / Benefits	-5	-5	-5	-5	-5	-5	-3	-3	0	0	0
Historic and Cultural Resources Impacts / Benefits	-1	-1	-1	-3	-3	-3	-1	-1	-3	-5	-3
Community Profile & Environmental Justice/Title VI Impacts / Benefits	0	0	0	0	0	0	0	0	0	0	0
Wetlands Impacts / Benefits	-3	-3	-1	-1	-1	-5	-1	-3	-5	-5	-5
Floodplains & Aquifers Impacts / Benefits	-1	-1	-1	-100	-100	-100	-1	-1	-1	-5	-1
Threatened & Endangered Species Impacts / Benefits	-1	-1	-1	-1	-1	-3	-1	-3	-5	-5	-5
Stormwater and Drainage Impacts / Benefits	-1	-1	-1	-3	-3	-5	-1	-1	0	0	0
Hazardous Materials Impacts / Benefits	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Air Quality & Noise Impacts / Benefits	3	3	3	3	3	3	3	3	3	3	3
Community Impacts / Benefits	5	5	5	5	5	5	5	5	5	5	5
Safety Impacts / Benefits	3	3	3	3	5	5	3	3	3	5	3
Utility Impacts / Relocation Requirements	-1	-1	-1	-1	-3	-1	-1	-1	-1	-1	-1
Summary Score	-1	-1	1	-102	-102	-108	3	-1	-3	-7	-3

Next Steps

- Complete Value Engineering (VE) Study
- Draft Concept Development Report
- Final Recommendation of Preferred Alternative
- Interagency Review Meeting
- Finalize Concept Development Report

Thank You/Questions?

Defining the Vision. Shaping the Future.



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