

A Rail Investment Plan for
the Northeast Corridor

TIER 1
FINAL
ENVIRONMENTAL
IMPACT
STATEMENT

VOLUME 1 (PREFERRED ALTERNATIVE)

Appendix AA,
Mapping Atlas
of the Preferred
Alternative

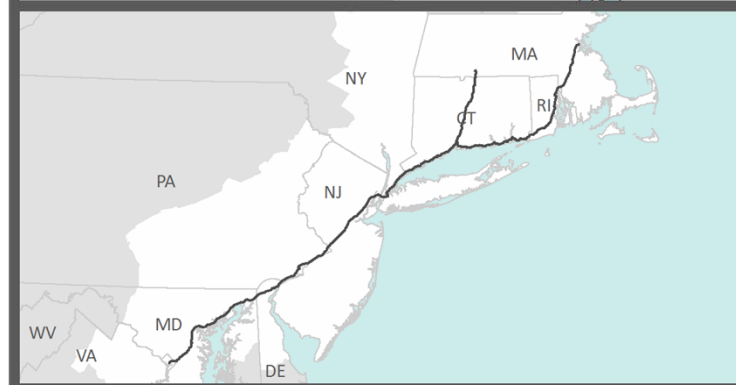
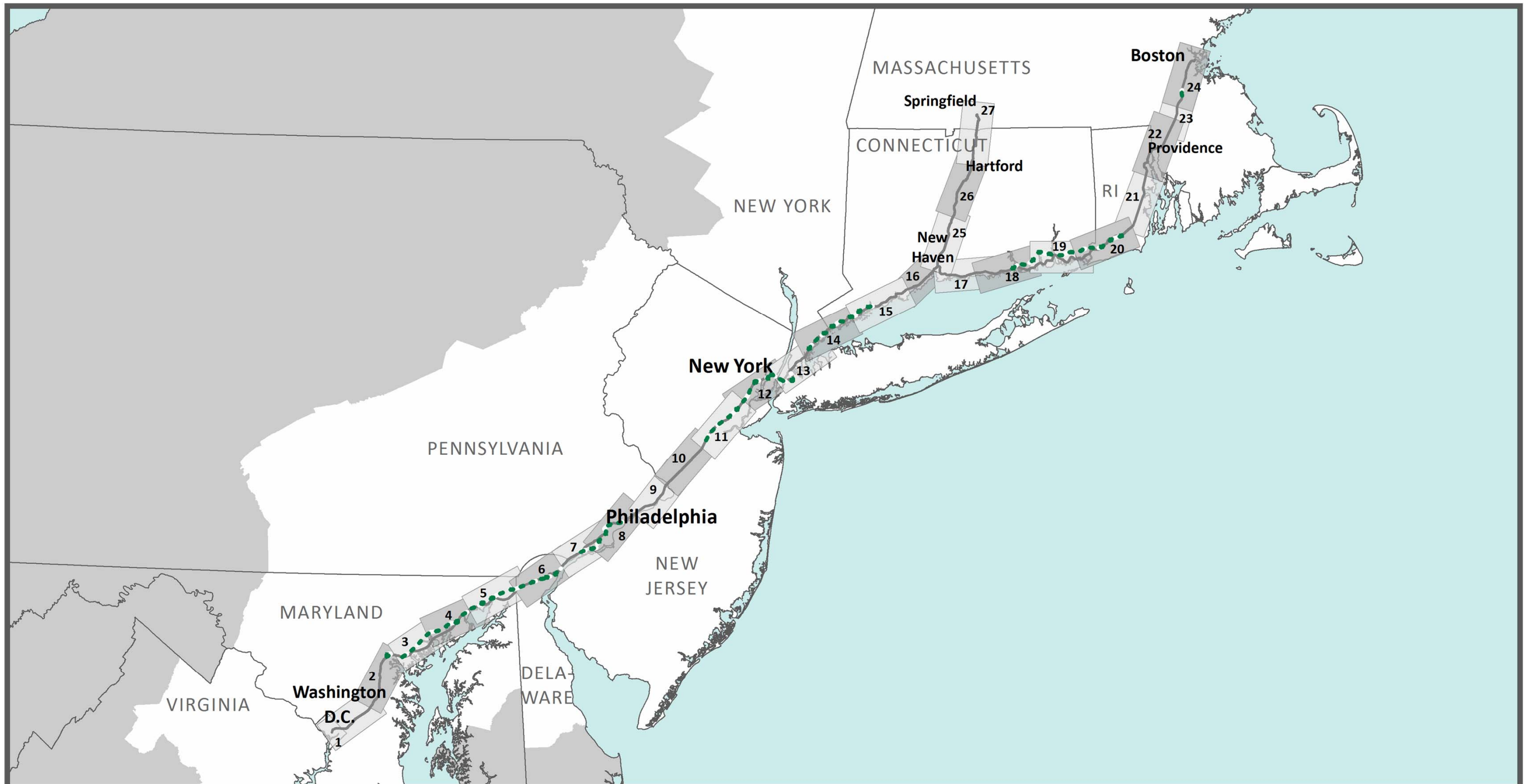
DECEMBER 2016





TIER 1 FINAL ENVIRONMENTAL IMPACT STATEMENT
VOLUME 1 (PREFERRED ALTERNATIVE)
APPENDIX AA, MAPPING ATLAS OF THE PREFERRED ALTERNATIVE

Part 1 Environmental Resource Mapping Atlas



- Existing NEC + Hartford/Springfield Line
- New Segment
- Map Sheet
- NEC FUTURE Study Area
- State Boundary

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration







0 0.5 1 Mile

NEC FUTURE















**STUDY AREA MAP INDEX
PREFERRED ALTERNATIVE**

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Map Legend

-  Major Hub and Hub Station
-  Commuter Rail
-  Existing NEC + Hartford/Springfield Line
-  New Segment
-  State Boundary
-  County Boundary








Environmental Resource

-  Geologic Resource
-  Hazardous Waste and Contaminated Material (H-P)
-  Cultural Resource (and total)
-  Stream
-  Wetland
-  Floodplain
-  Terrestrial ESH
-  Aquatic ESH
-  Parks and Recreation
-  Water
-  EJ - Minority and Low Income
-  EJ - Minority
-  EJ - Low Income
-  Airport (Large/Medium Hub)

Milepost Key

-  230
Milepost markings and annotation are provided every five miles on the NEC beginning at MP 100

Symbol Key

Symbol	Chapter	Resource
None	7.2	Land Cover
None	7.3	Agricultural Lands (Prime Farmland and Timberlands)
	7.4	Parklands and Wild and Scenic Rivers
	7.5	Hydrologic/Water Resources
	7.6	Ecological Resources
	7.7	Geologic Resources
	7.8	Hazardous Waste and Contaminated Material
	7.9	Cultural Resources and Historic Properties
None	7.10	Visual and Aesthetic Resources
	7.11	Environmental Justice
None	7.12	Noise and Vibration
None	7.13	Air Quality
None	7.14	Energy
None	7.15	Climate Change and Adaptation
None	7.16	Section 4(f) and Section 6(f) Resources
None	7.17	Electromagnetic Fields and Electromagnetic Interference
None	7.18	Safety
None	7.19	Public Health
None	7.20	Cumulative Effects Assessment
None	7.21	Commitment of Resources

Airport Codes

Airports are identified by their International Air Transport Association (IATA) 3-Letter Code:

- BWI: Baltimore/Washington International Thurgood Marshall
- PHL: Philadelphia International
- EWR: Newark Liberty International
- LGA: LaGuardia Airport
- PVD: Theodore Francis Green International
- BOS: General Edward Lawrence Logan International

General Notes

Part 1 of this Mapping Atlas provides a graphical depiction of the Representative Route of the Preferred Alternative relative to environmental features analyzed in Chapter 7. A separate map series that highlights the Representative Route construction types used for analytical purposes is presented in Part 2.

The Preferred Alternative presented in this Mapping Atlas is as described in Volume 1, Chapter 4, Preferred Alternative of the Tier 1 Final EIS. As a frame of reference, the existing Northeast Corridor (NEC) and the Hartford/Springfield Line is represented as a single line and unique color. New segments or curve modifications in the Preferred Alternative (for example, improvements that extend beyond the NEC or Hartford/Springfield Line) are represented as a dashed line with a unique color.


The "Regional Coverage" column in the *Index of Map Sheets* (pages 4 through 6) highlights the Map Sheet that contains the best coverage of a particular county or counties. Location reference annotation provided in *Italics* (e.g., *Prince George's County*). Area outside 5-mile Context Area is muted intentionally.

Source of Resource Data: NEC FUTURE, 2016.

Abbreviations

- EJ: Environmental Justice Population
- ESH: Ecologically Sensitive Habitats
- H-P: High-Probability
- NEC: Northeast Corridor
- NHL: National Historic Landmark
- NRHP: National Register of Historic Places

Symbol Notes

- *None*: Symbology not applied to Map Atlas. Representation in the Mapping Atlas is not relevant to the analysis of that resource presented in the EIS.
- *Chapter*: Location where resource is documented in Volume 1 of the Tier 1 Final EIS.
- The location of the Cultural Resources and Historic Properties symbol () and accompanying "xx" represents the proximate location of the greatest concentration of, and total number of resources by County within the context area.
- Section 4(f) and Section 6(f) Resources are identified in Mapping Atlas as *Parklands and Wild and Scenic Rivers* and *Cultural Resources and Historic Properties*.

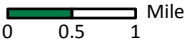


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Index of Map Sheets

Sheet #	Existing NEC + Hartford/Springfield Line	New Segment - Preferred Alternative	Regional Coverage	Resource Presence						
				7.4	7.5	7.6	7.7	7.8	7.9	7.11
1	X		Washington D.C.; Prince George's County, MD							
2	X	X	Anne Arundel, Baltimore County, Baltimore City, MD							
3	X	X	Baltimore City, Baltimore County, MD							
4	X	X	Harford County, MD							
5	X	X	Cecil County, MD							
6	X	X	New Castle County, DE							
7	X	X	Delaware County, PA							
8	X	X	Philadelphia County, PA							
9	X		Bucks County, PA							
10	X	X	Mercer, Middlesex County, NJ							
11	X	X	Middlesex County, NJ							

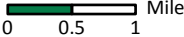
Notes:
 Blank spaces indicate no New Segments in the Preferred Alternative and corresponding map sheet.
 The NEC and Hartford/Springfield Line are included in the Preferred Alternative.






































Index of Map Sheets

Sheet #	Existing NEC + Hartford/Springfield Line	New Segment - Preferred Alternative	Regional Coverage	Resource Presence						
				7.4	7.5	7.6	7.7	7.8	7.9	7.11
12	X	X	Union, Essex, Hudson County, NJ; New York County, NY							
13	X	X	New York, Bronx County, NY							
14	X	X	Westchester County, NY; Fairfield County, CT							
15	X	X	Fairfield County, CT							
16	X		New Haven County, CT							
17	X		New Haven County, CT							
18	X	X	Middlesex, New London County, CT							
19	X	X	New London County, CT							
20	X	X	Washington County, RI							
21	X		Washington, Kent County, RI							
22	X		Providence County, RI; Bristol County, MA							

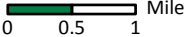
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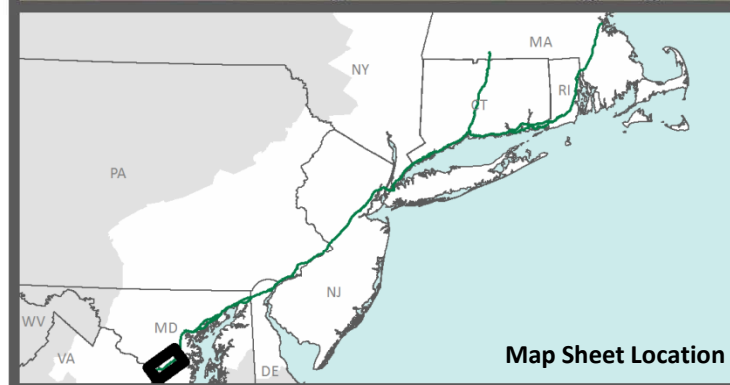
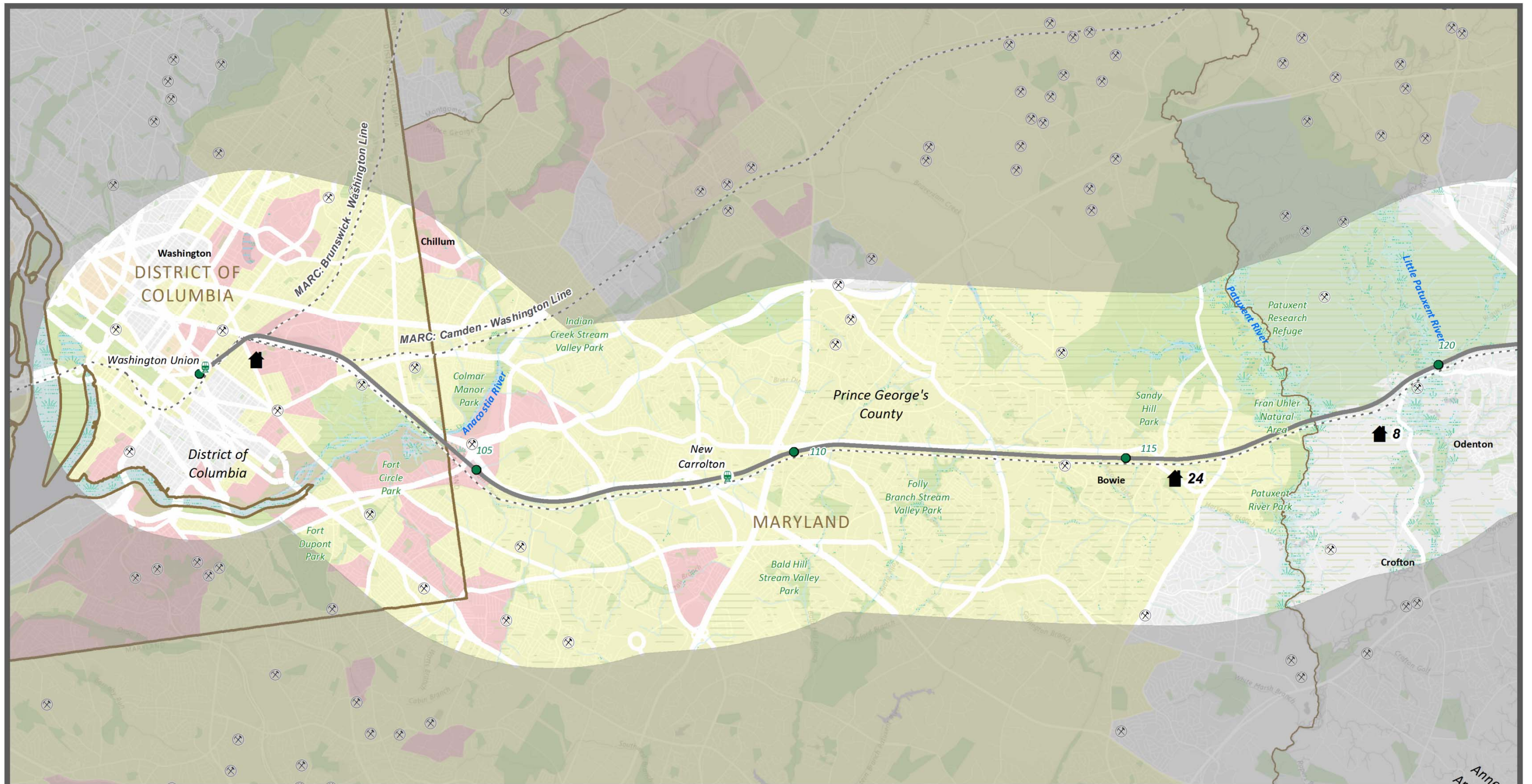
Index of Map Sheets

Sheet #	Existing NEC + Hartford/Springfield Line	New Segment - Preferred Alternative	Regional Coverage	Resource Presence						
				7.4	7.5	7.6	7.7	7.8	7.9	7.11
23	X	X	Norfolk County, MA							
24	X	X	Norfolk, Suffolk County, MA							
25	X		New Haven County, CT							
26	X		Hartford County, CT							
27	X		Hartford County, CT; Hampden County, MA							
END										

Notes:
 Blank spaces indicate no New Segments in the Preferred Alternative and corresponding map sheet.
 The NEC and Hartford/Springfield Line are included in the Preferred Alternative.



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● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

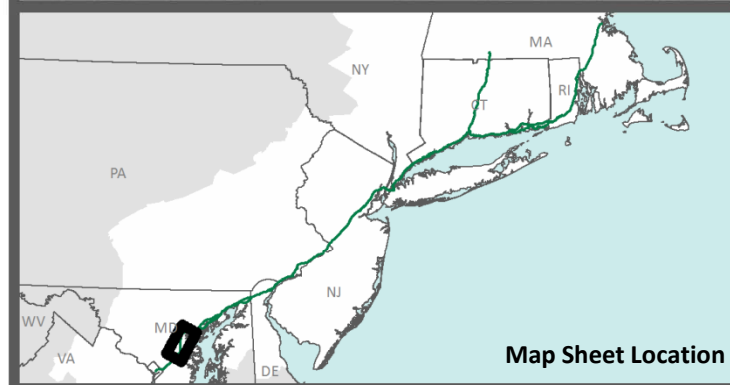
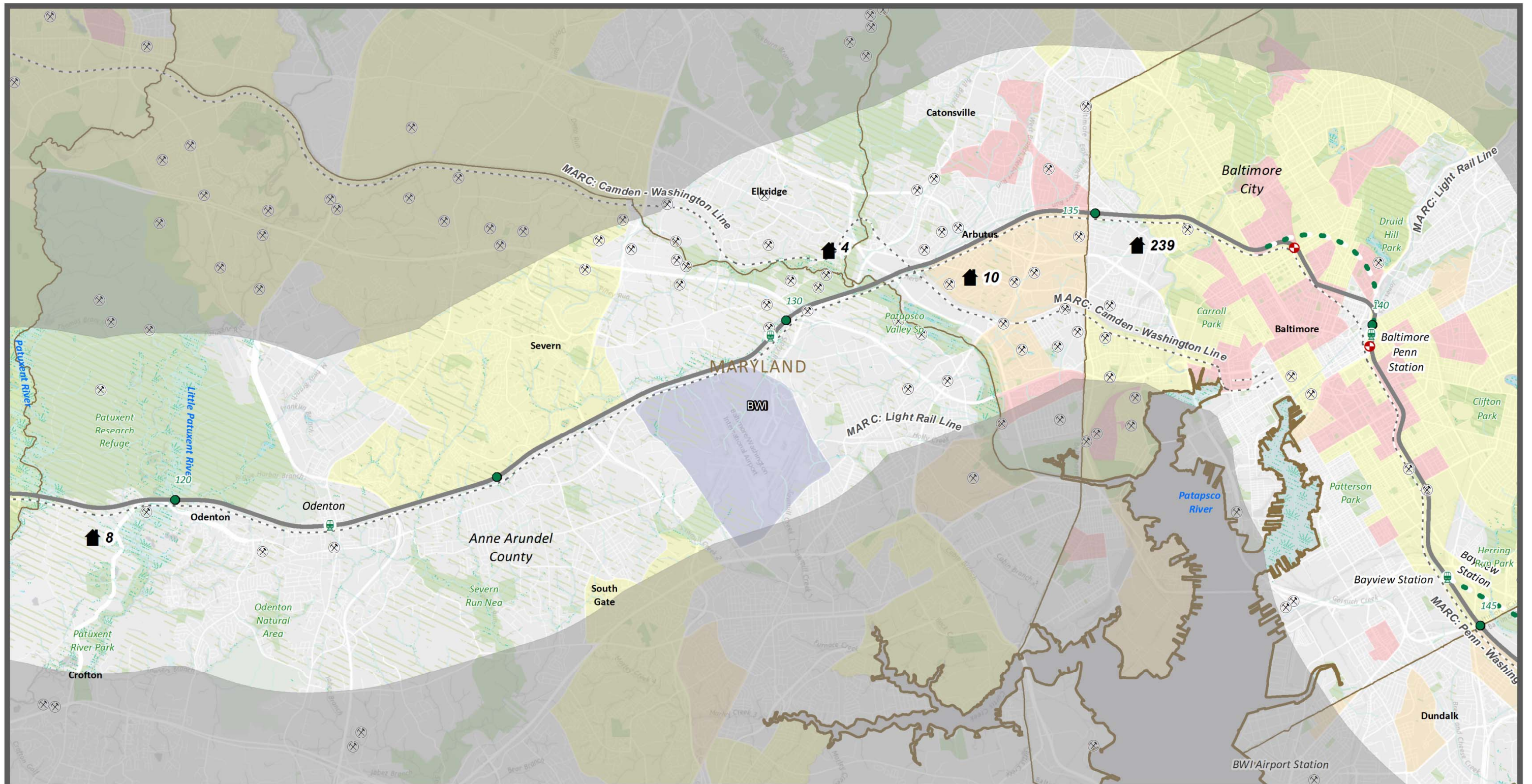
0 0.5 1 Mile

Map Sheet #1

RESOURCE CONCENTRATIONS

PREFERRED ALTERNATIVE

Washington D.C.; Prince George's County, MD



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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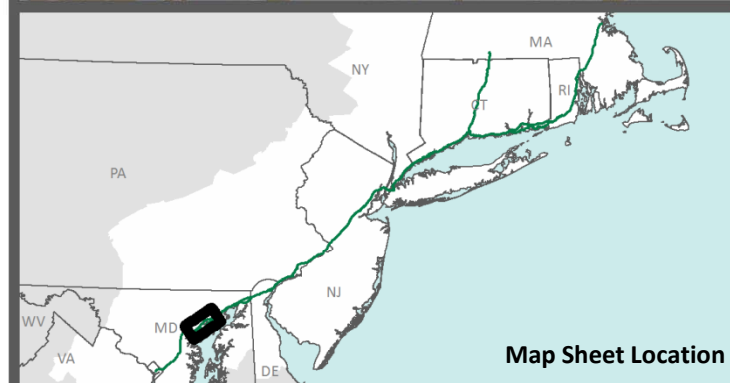
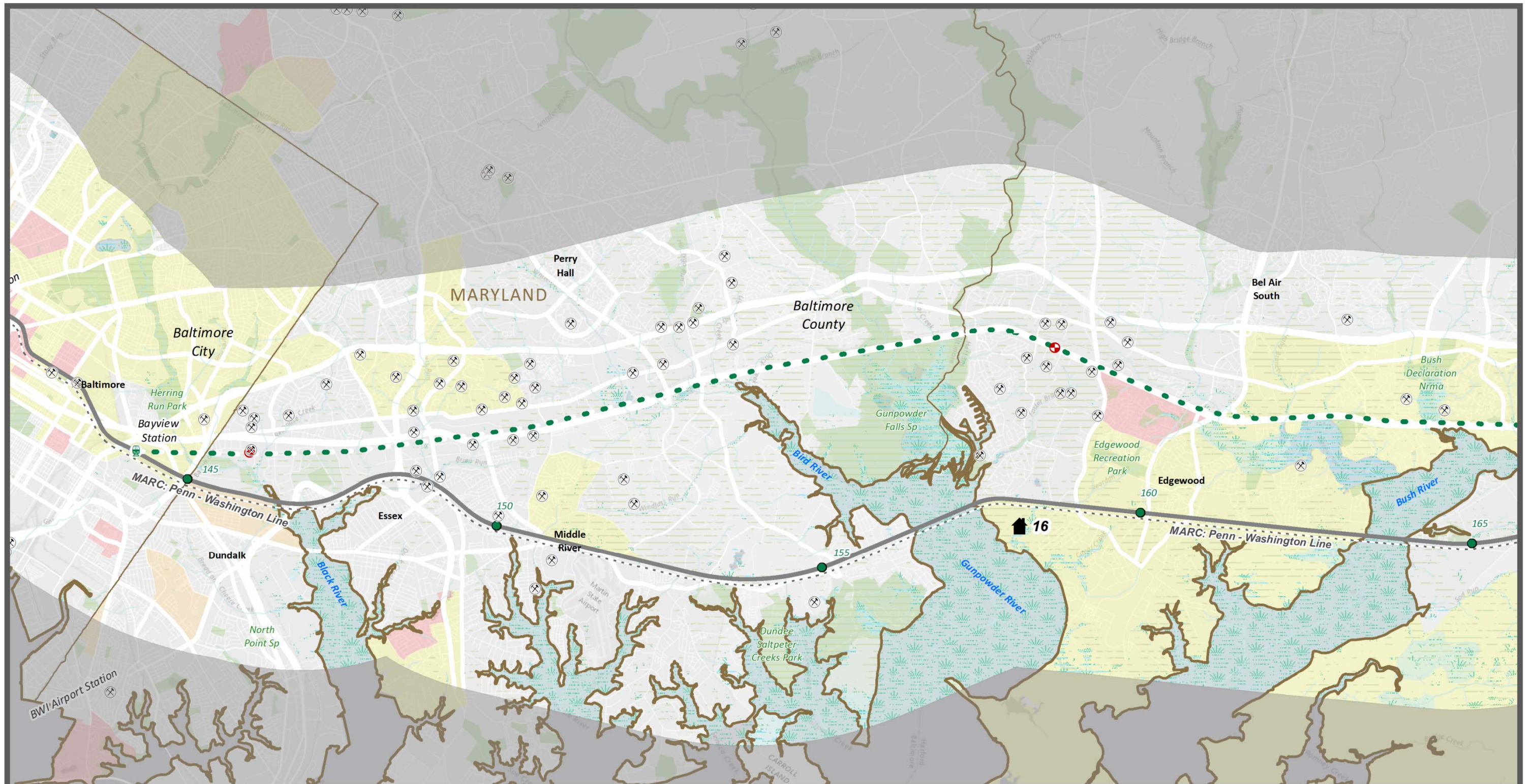
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #2

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Anne Arundel, Baltimore County, Baltimore City, MD



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESA
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESA
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	🚰 Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

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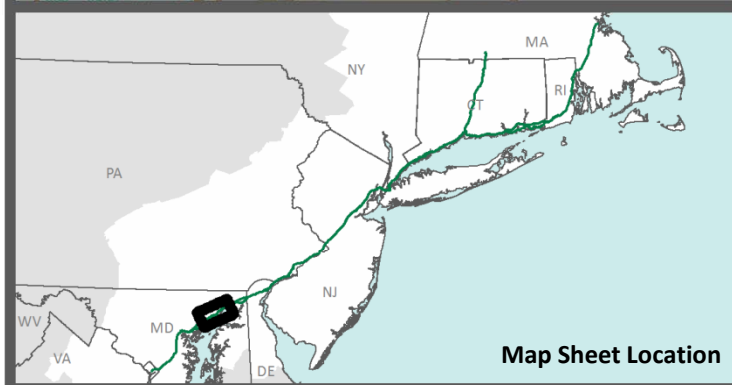
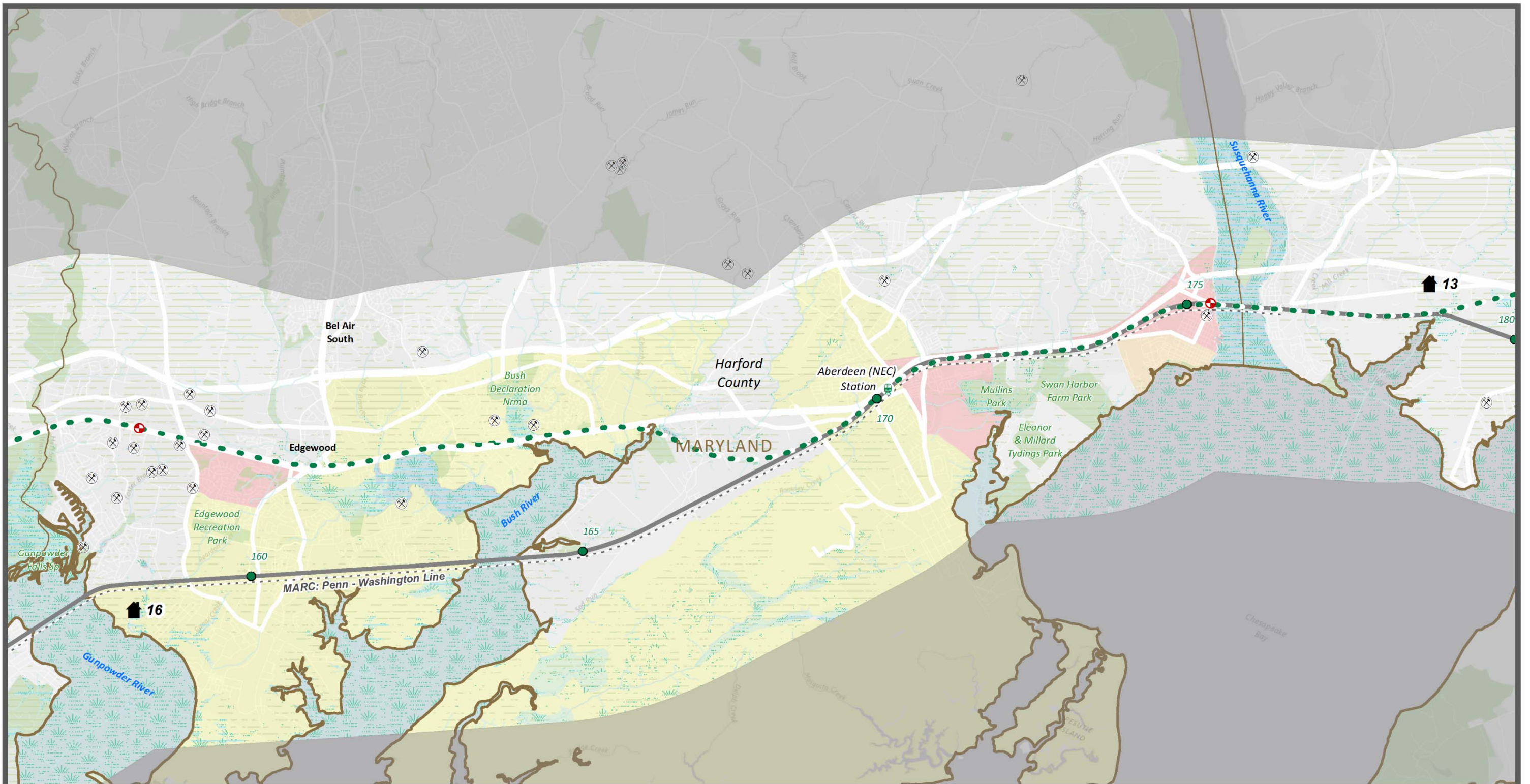
Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #3

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE
Baltimore City, Baltimore County, MD



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
--- New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

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Source of Data: NEC FUTURE, 2016

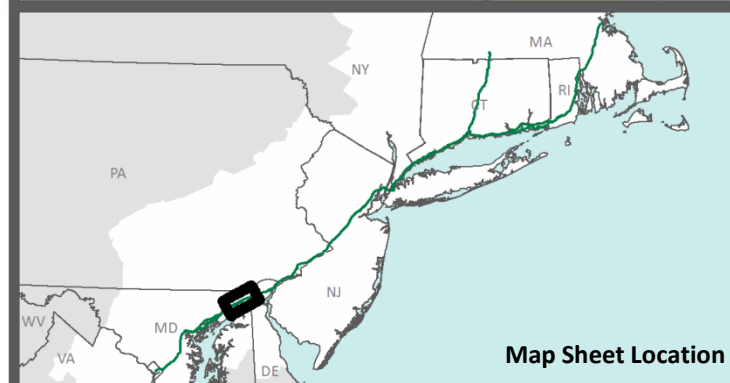
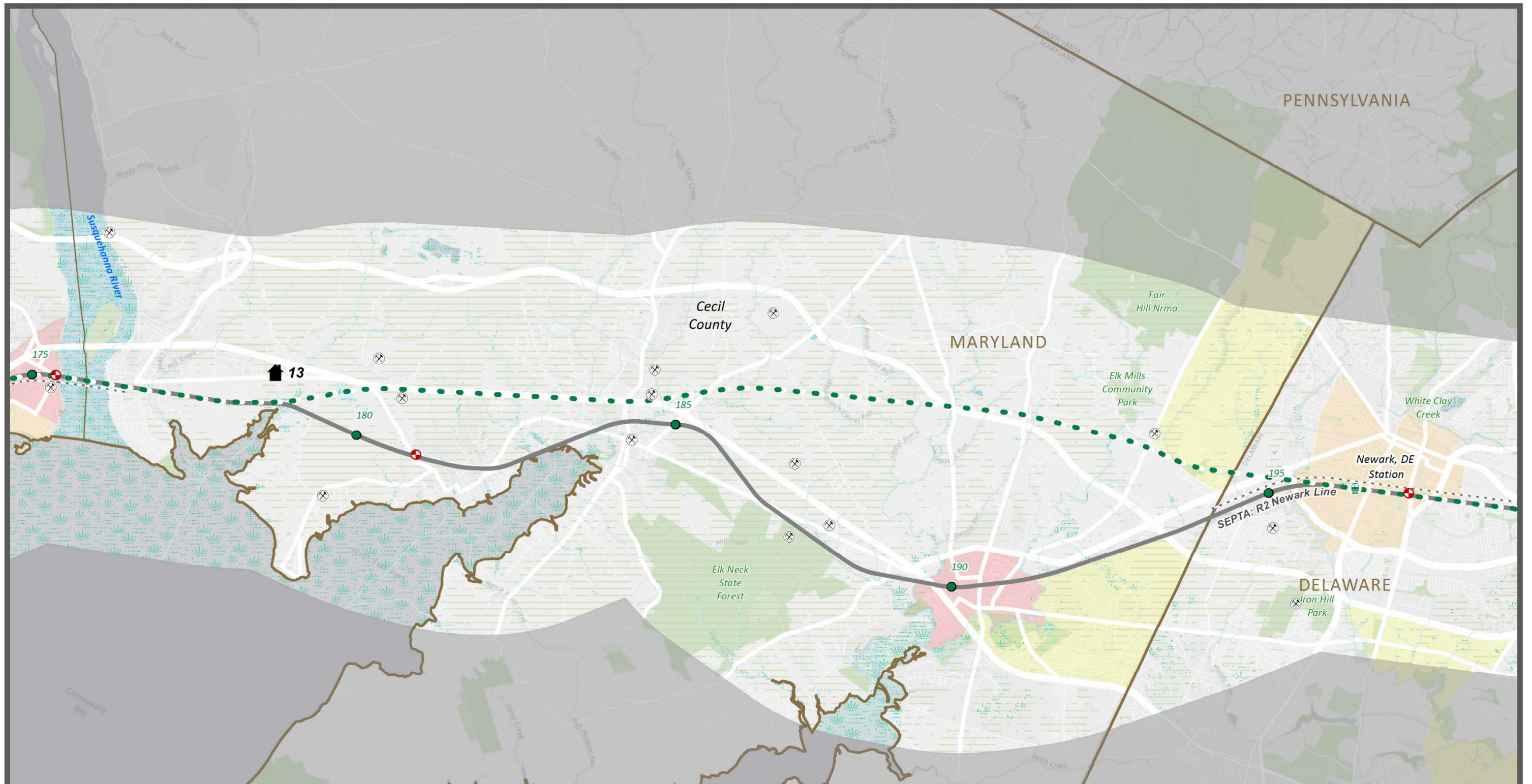
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #4

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Harford County, MD



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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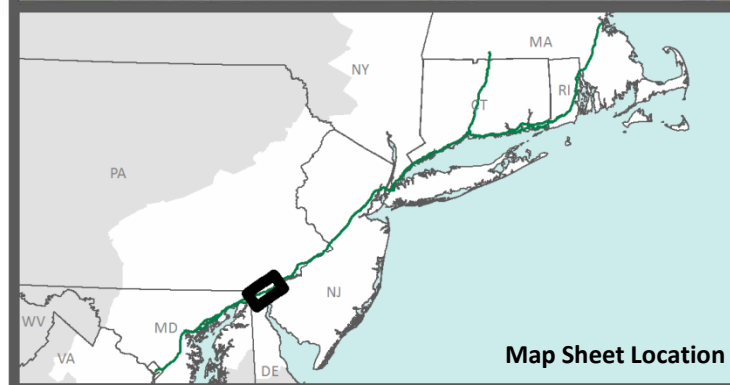
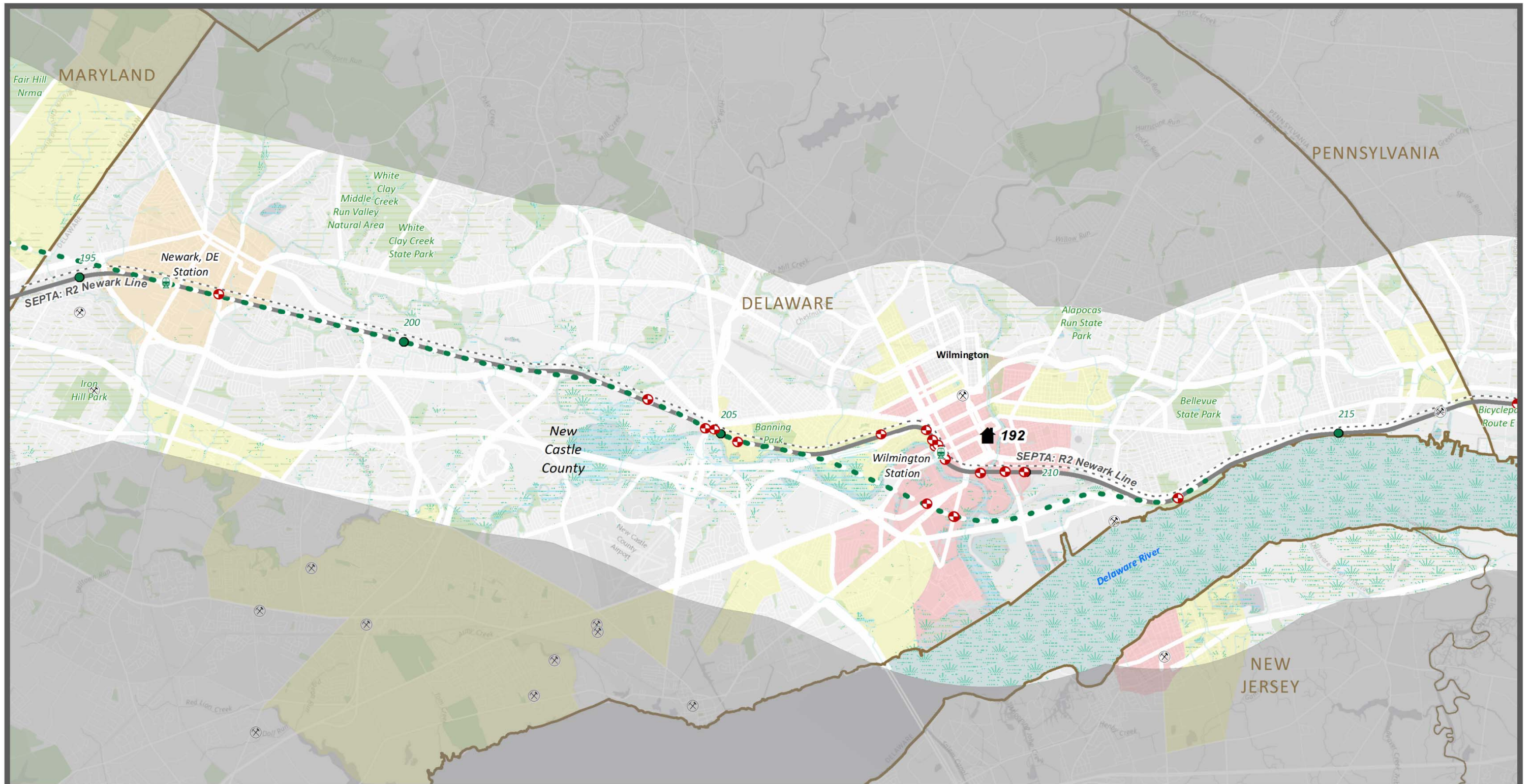
Source of Data: NEC FUTURE, 2016

0 0.5 1 Mile

Map Sheet #5

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Cecil County, MD



● Milepost: NEC	⊗ Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	🏠 ^{xx} Cultural Resource (and total)	▨ Aquatic ESH
⋯ Commuter Rail	⊕ Hazardous Material (H-P)	▨ Parks and Recreation
— Existing NEC + Hartford/Springfield Line	— Stream	▨ EJ – Minority and Low Income
— New Segment	— Water	▨ EJ – Minority
▭ County Boundary	🌿 Wetlands	▨ EJ – Low Income
▭ State Boundary	🌊 Floodplain	▨ Airport (Large/Medium Hub)

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Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

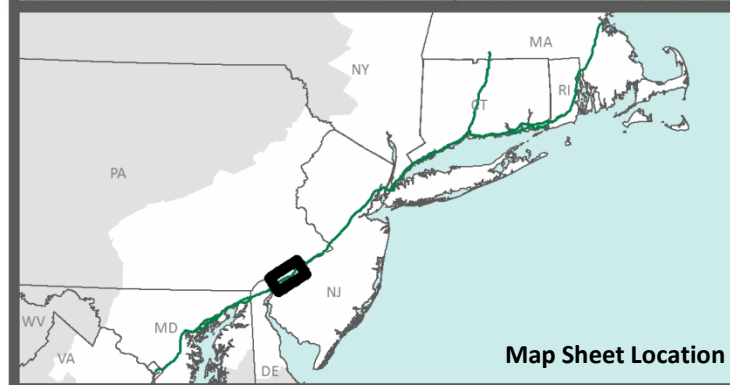
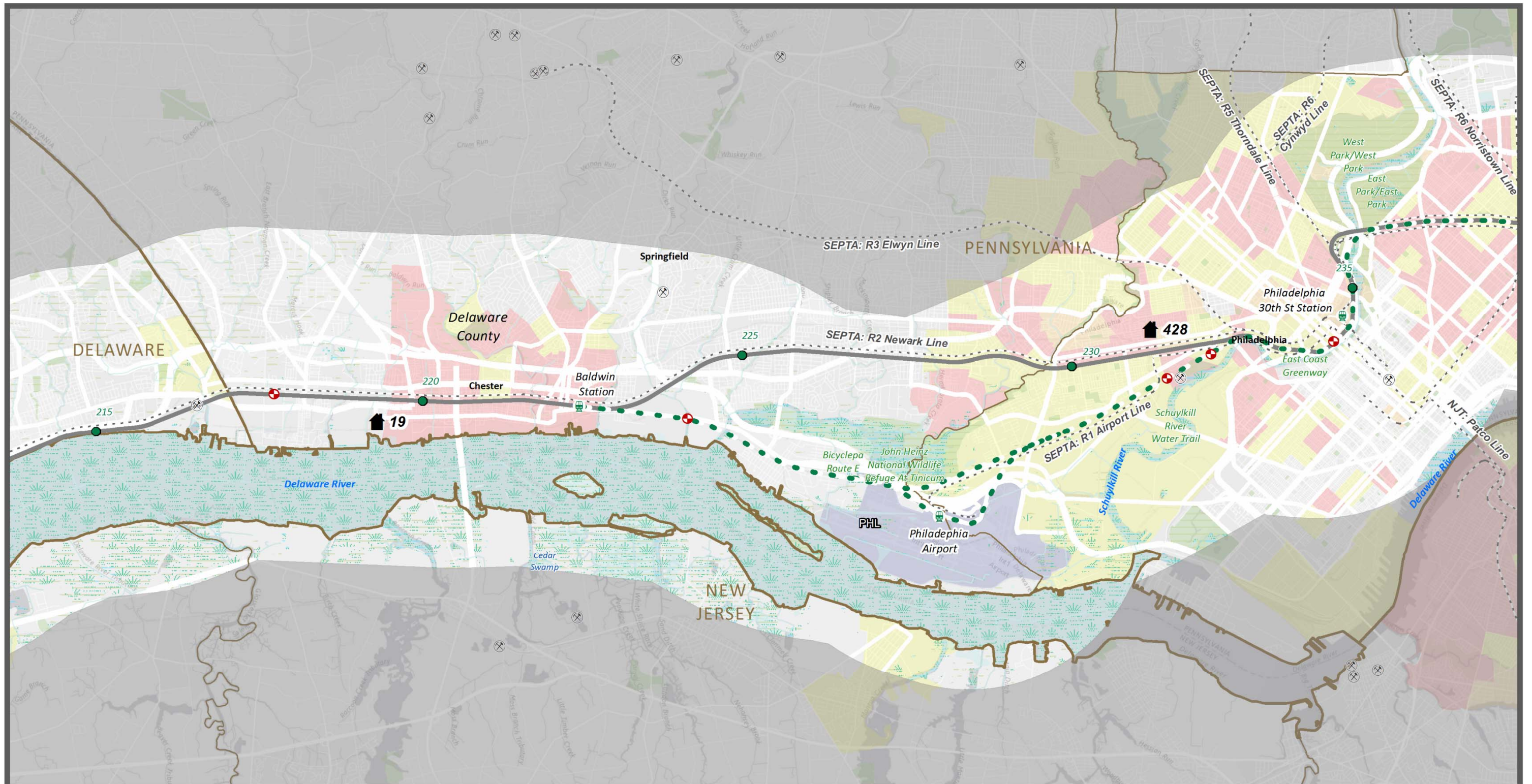
Map Sheet #6

NEC FUTURE

RESOURCE CONCENTRATIONS

PREFERRED ALTERNATIVE

New Castle County, DE



● Milepost: NEC	⊗ Environmental Resource	▨ Terrestrial ESH
🚂 Major Hub and Hub Station	🏠 ^{xx} Cultural Resource (and total)	▨ Aquatic ESH
⋯ Commuter Rail	⊕ Hazardous Material (H-P)	▨ Parks and Recreation
— Existing NEC + Hartford/Springfield Line	— Stream	▨ EJ – Minority and Low Income
— New Segment	— Water	▨ EJ – Minority
▭ County Boundary	🌿 Wetlands	▨ EJ – Low Income
▭ State Boundary	🌊 Floodplain	▨ Airport (Large/Medium Hub)

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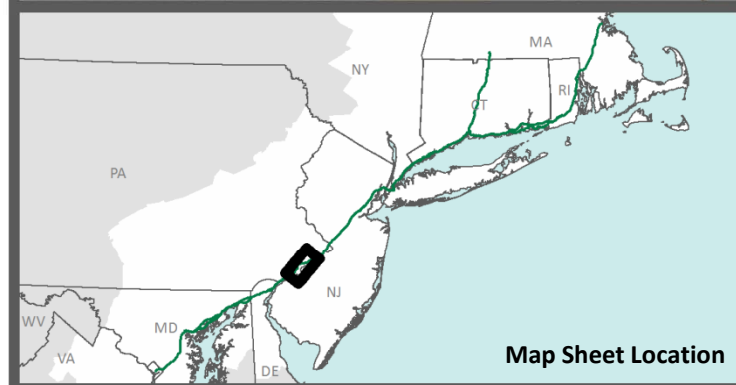
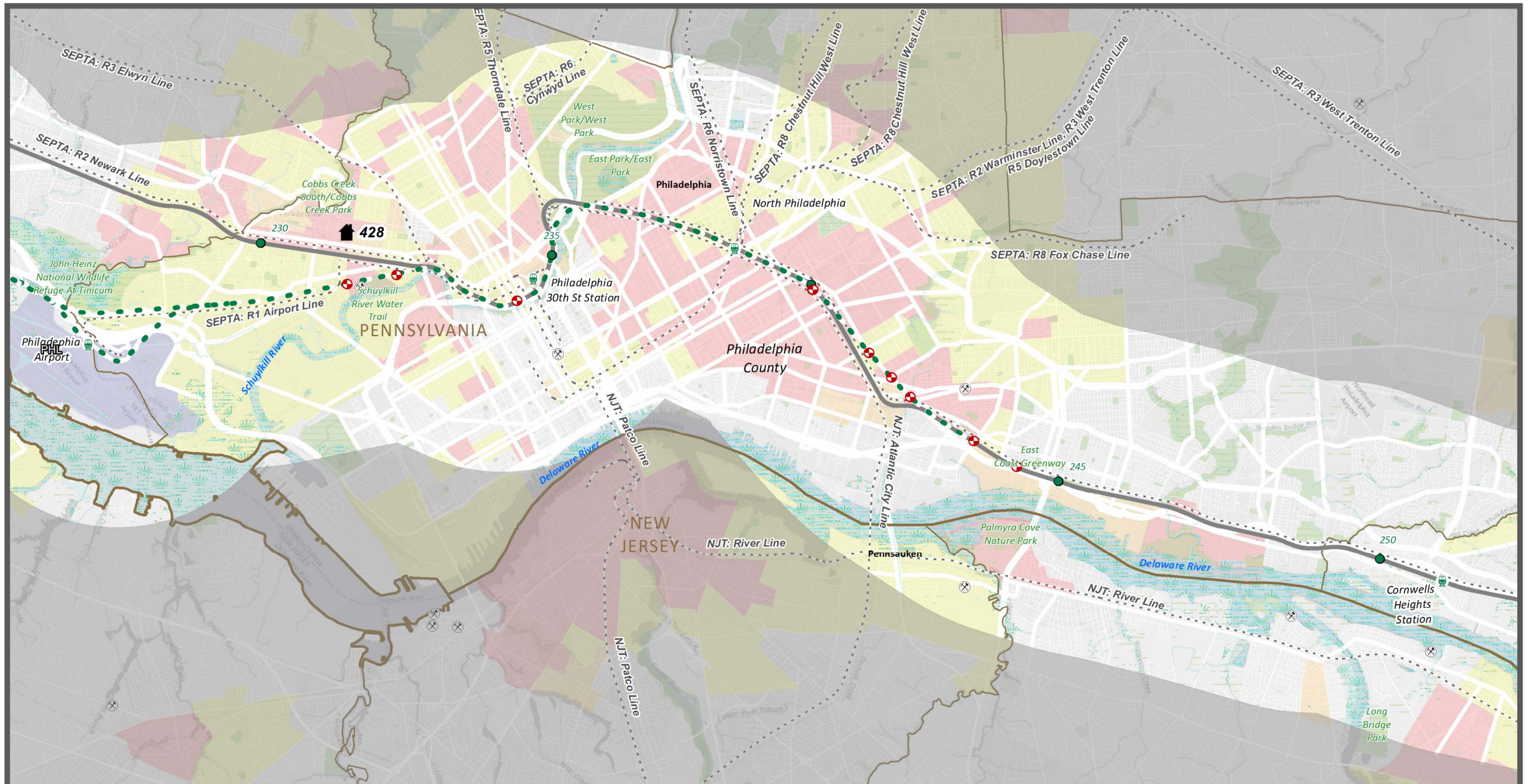
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #7

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Delaware County, PA



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

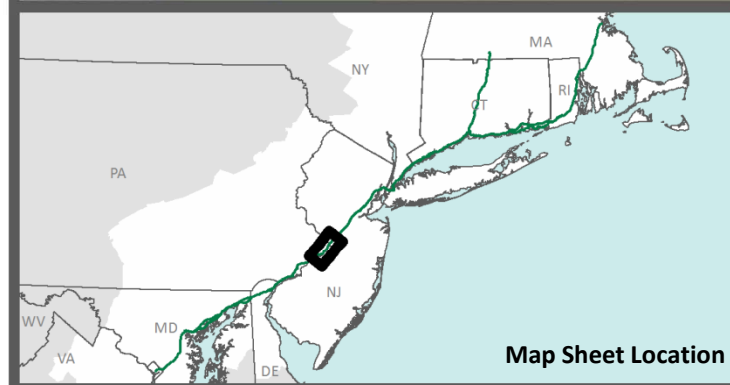
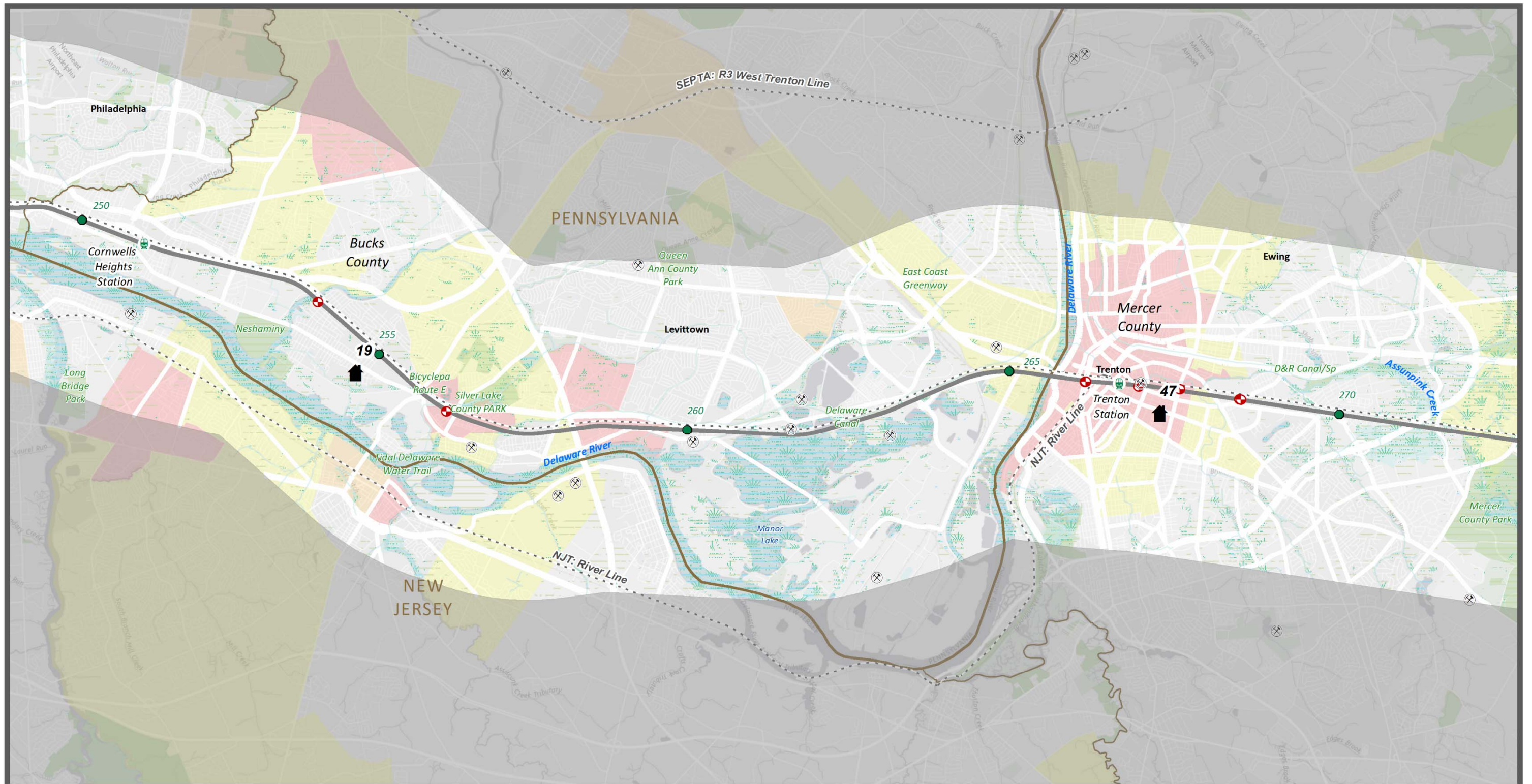
Map Sheet #8

NEC FUTURE

RESOURCE CONCENTRATIONS

PREFERRED ALTERNATIVE

Philadelphia County, PA



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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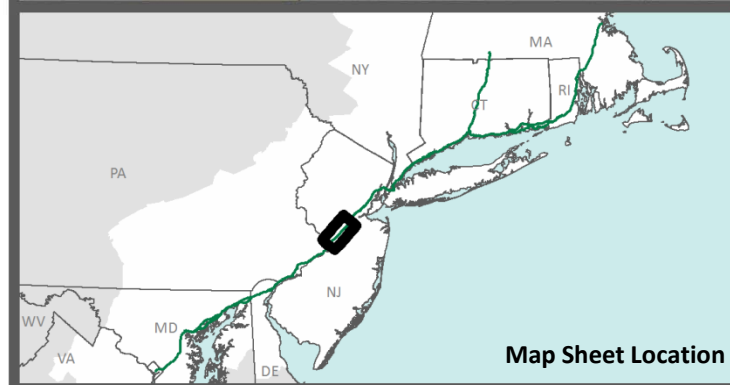
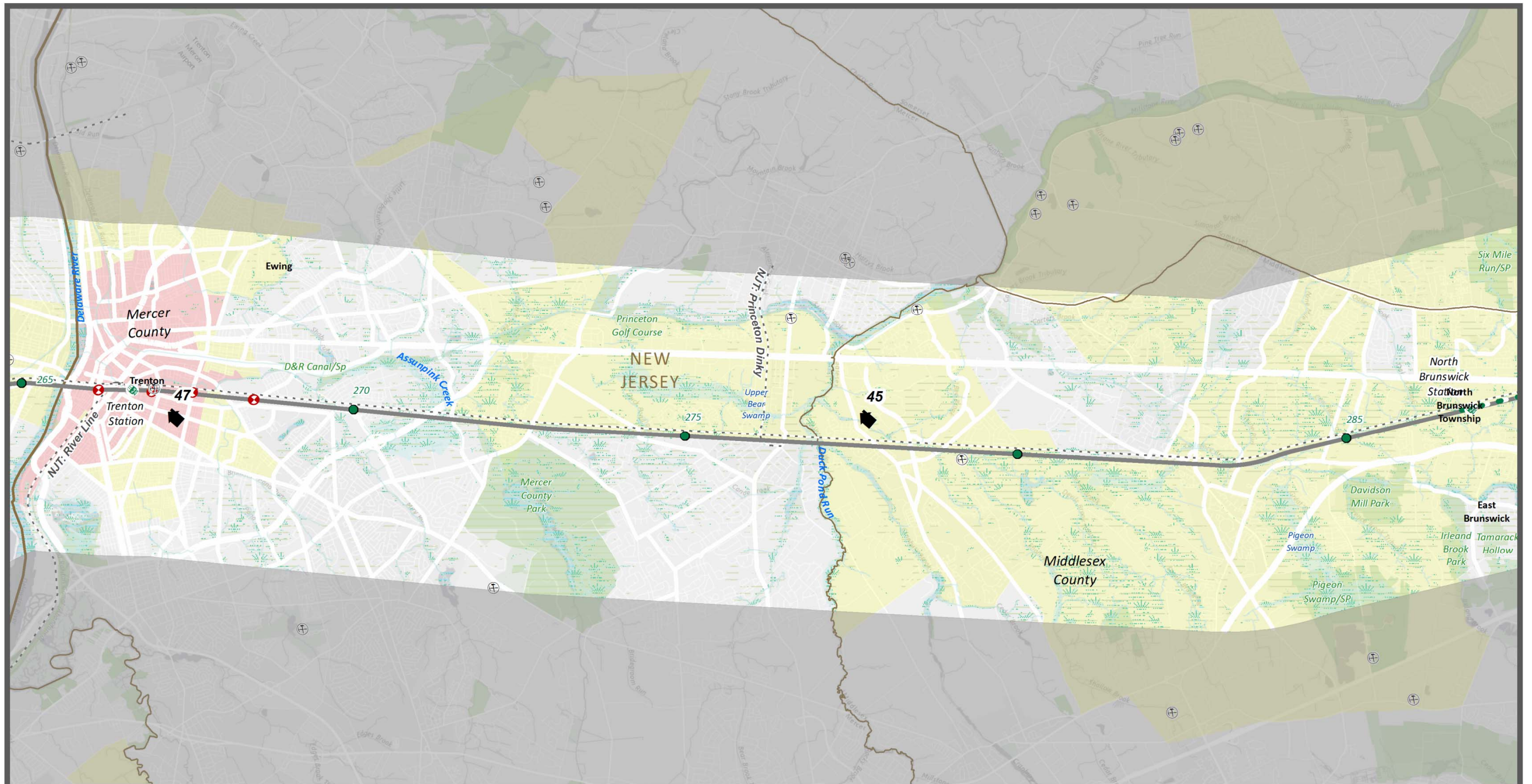
Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

Map Sheet #9

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

Bucks County, PA



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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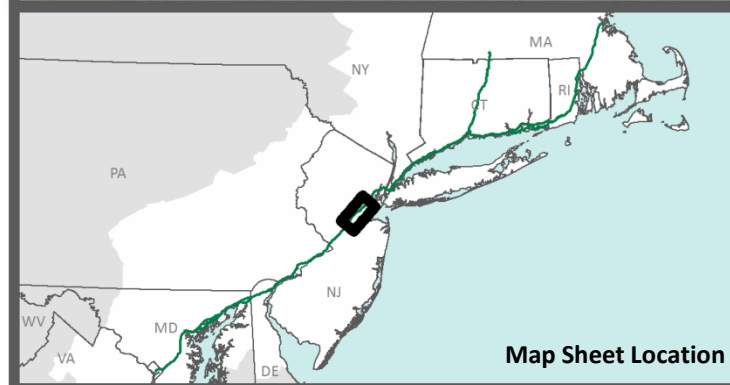
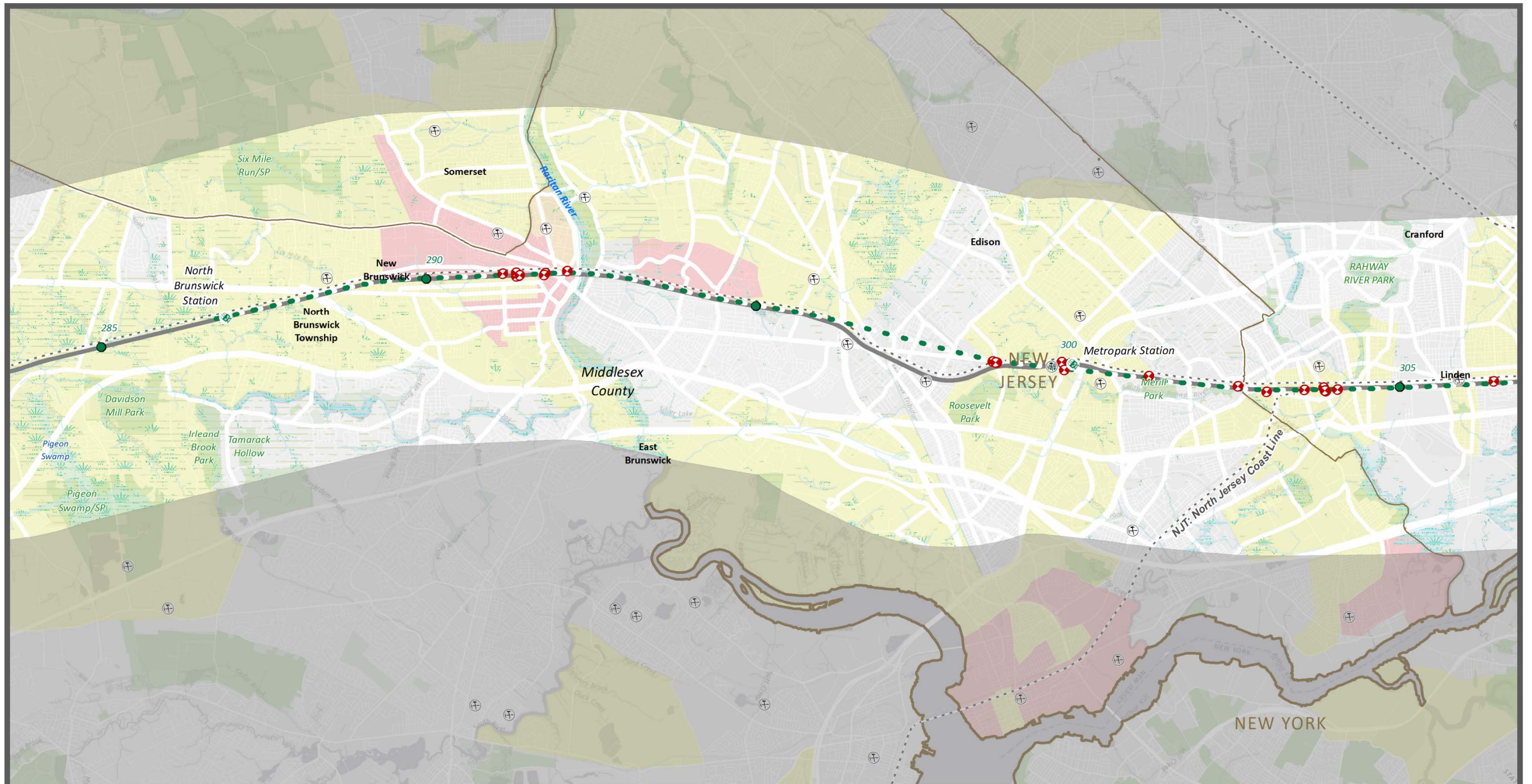
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #10

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Mercer, Middlesex County, NJ



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

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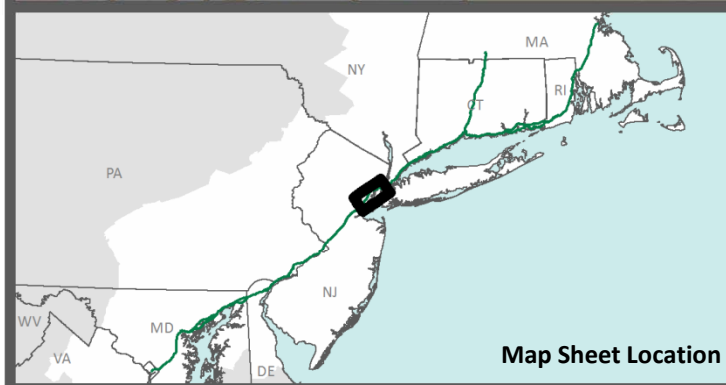
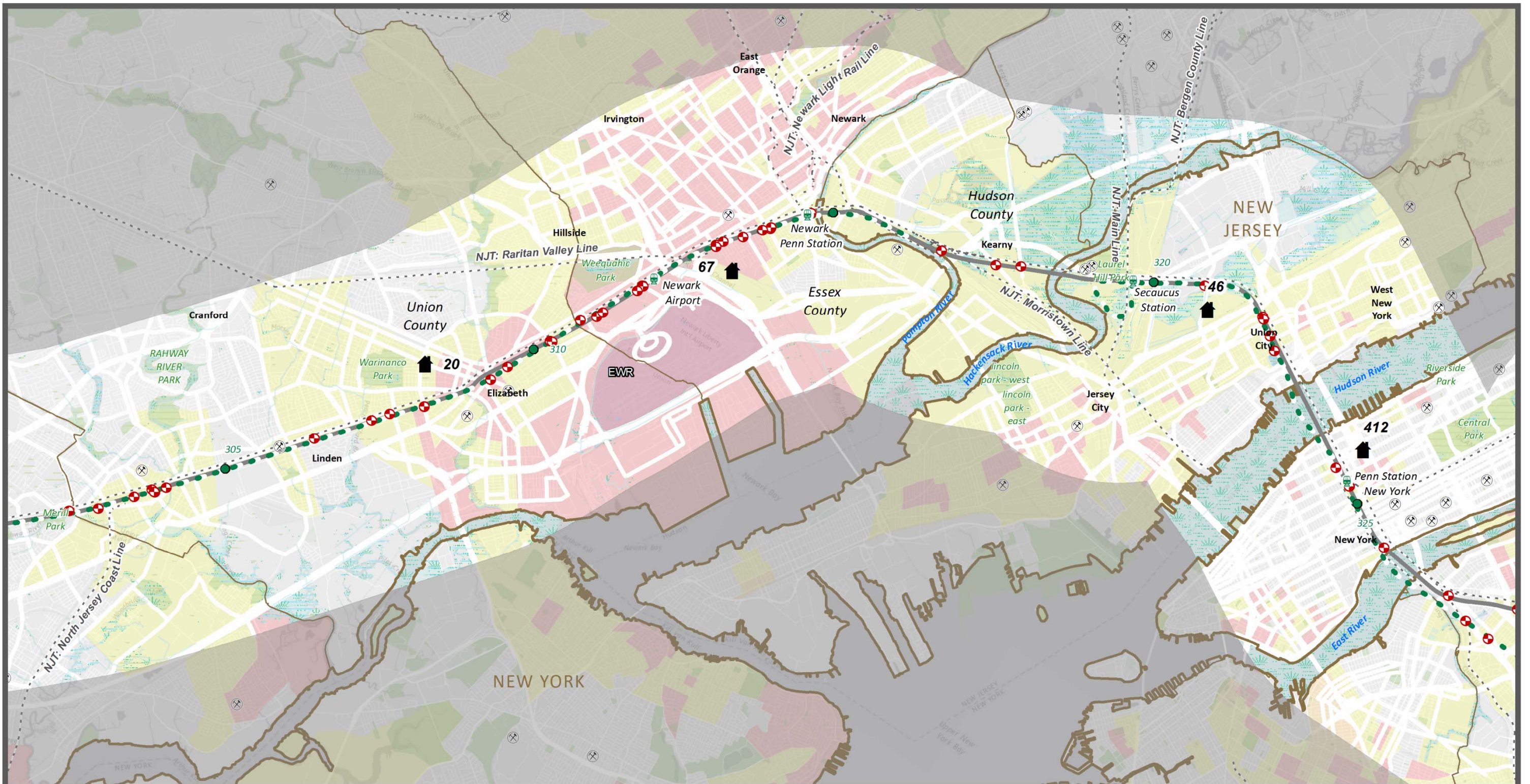
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #11

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Middlesex County, NJ



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

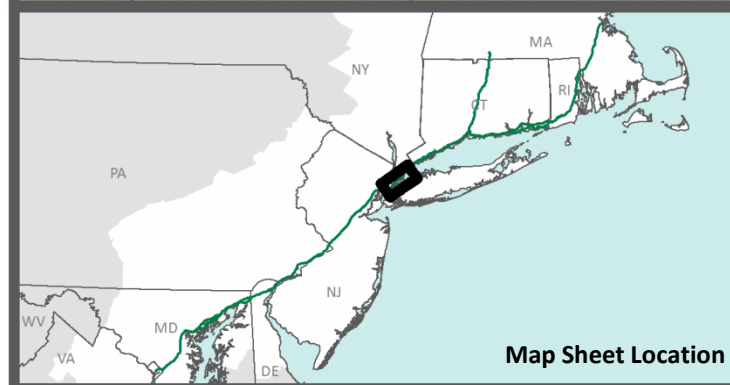
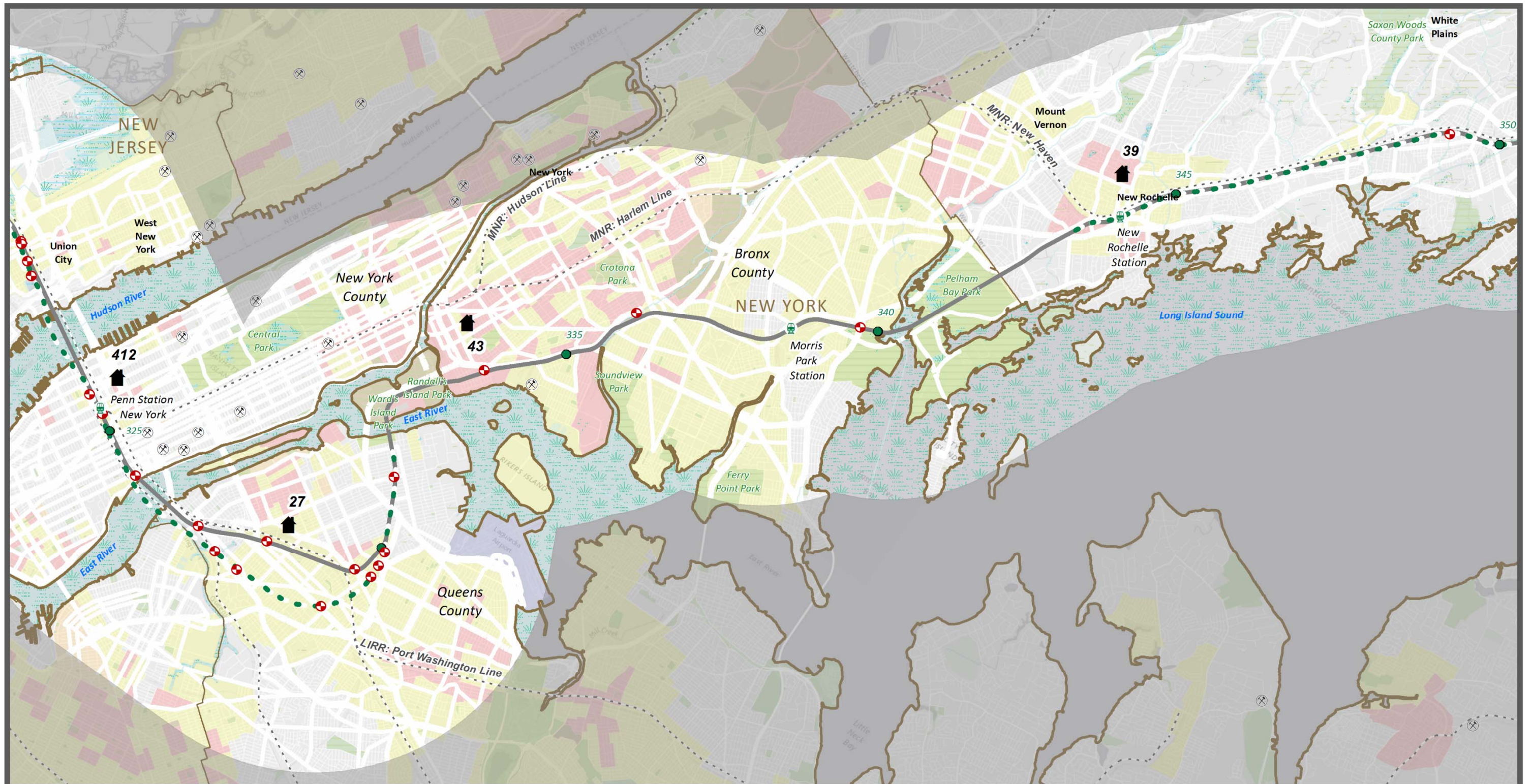
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #12

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Union, Essex, Hudson County, NJ; New York County, NY



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
--- New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

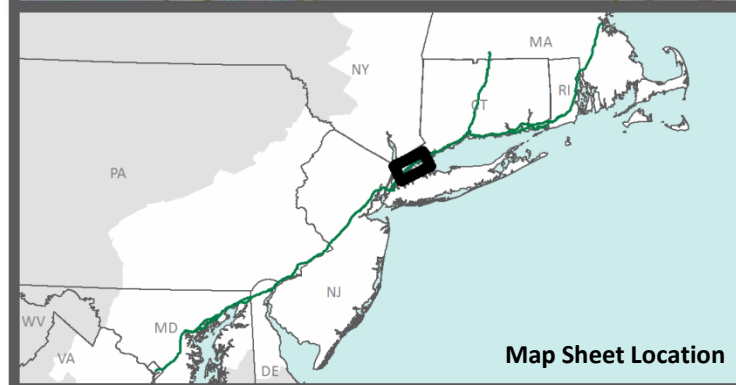
The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

0 0.5 1 Mile

Map Sheet #13

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE
New York, Bronx County, NY



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

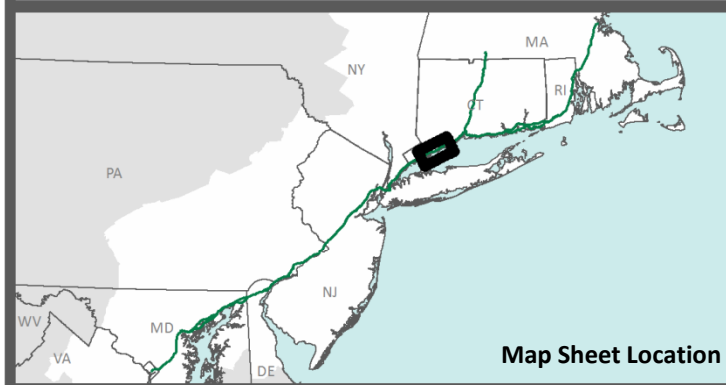
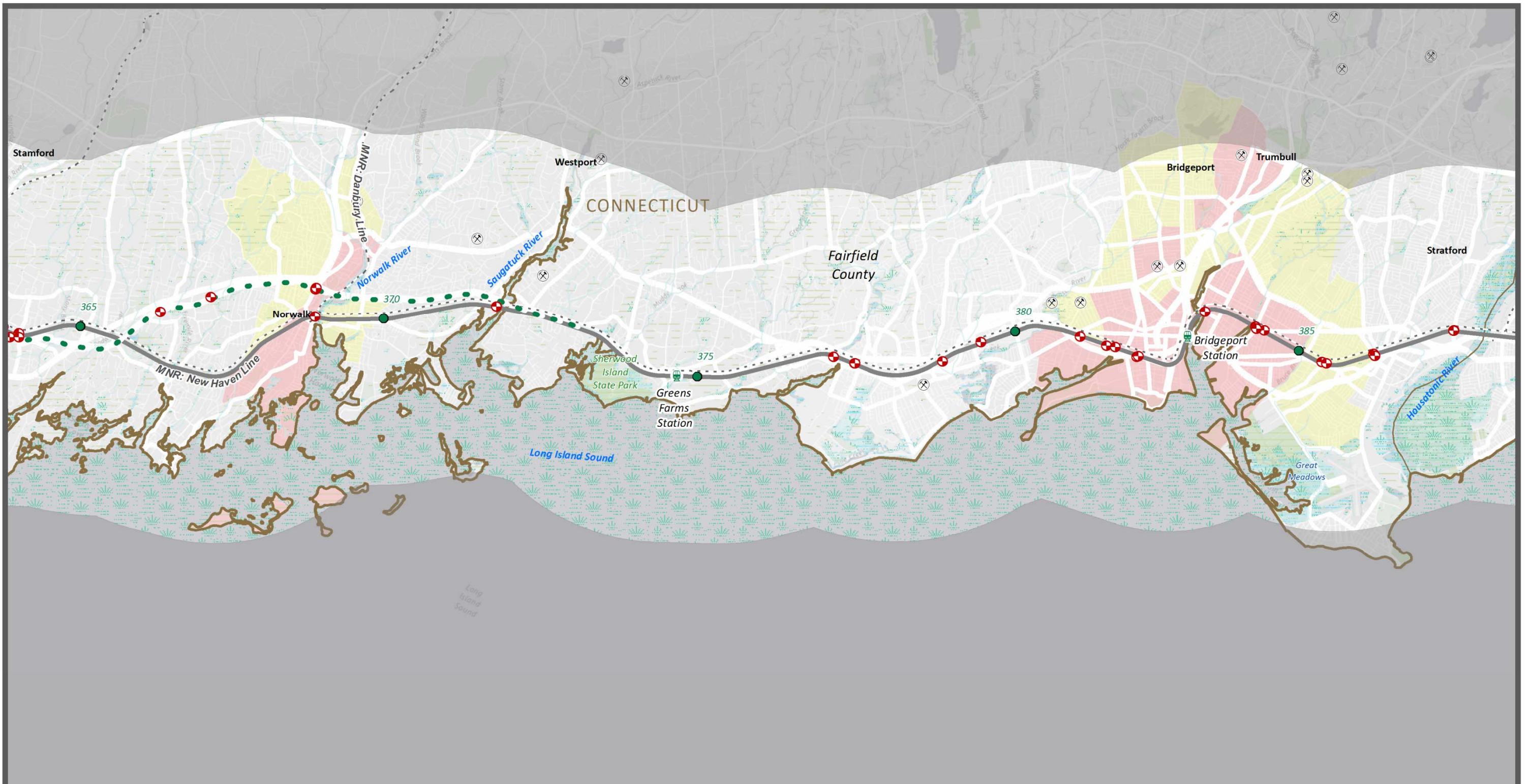
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #14

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Westchester County, NY; Fairfield County, CT



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

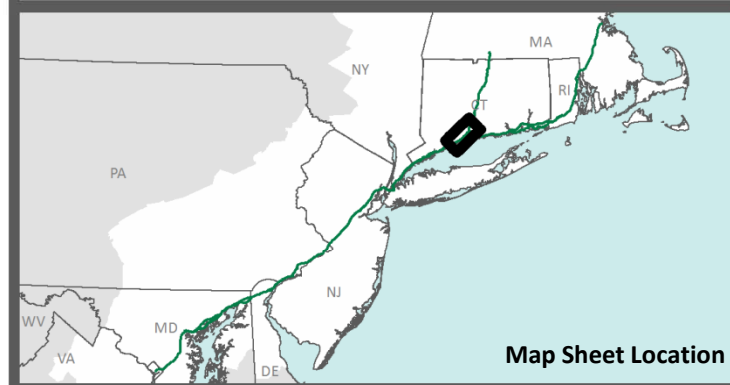
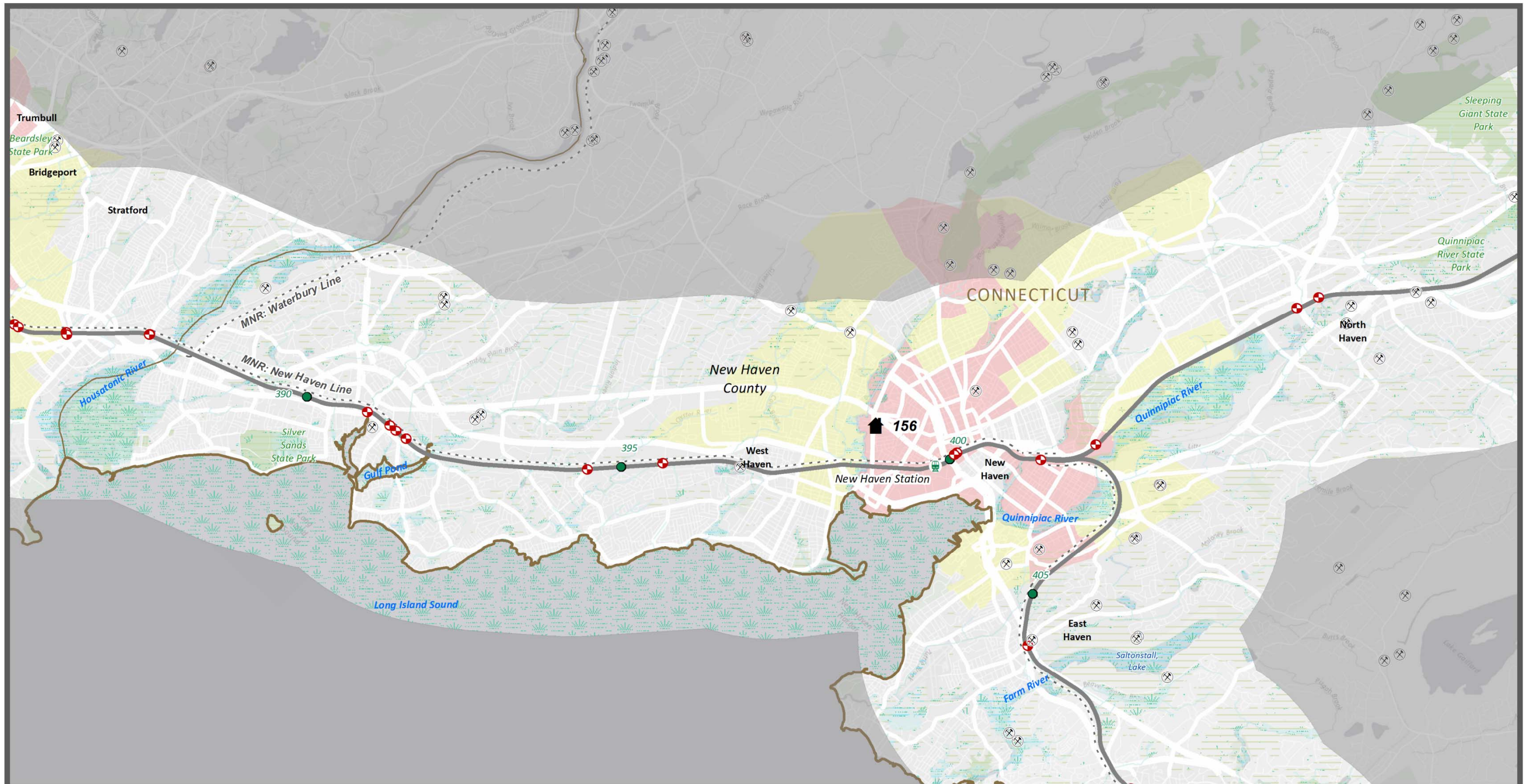
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #15

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

Fairfield County, CT



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

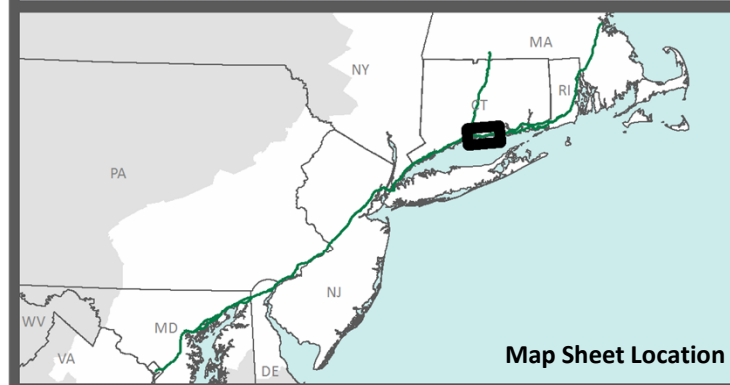
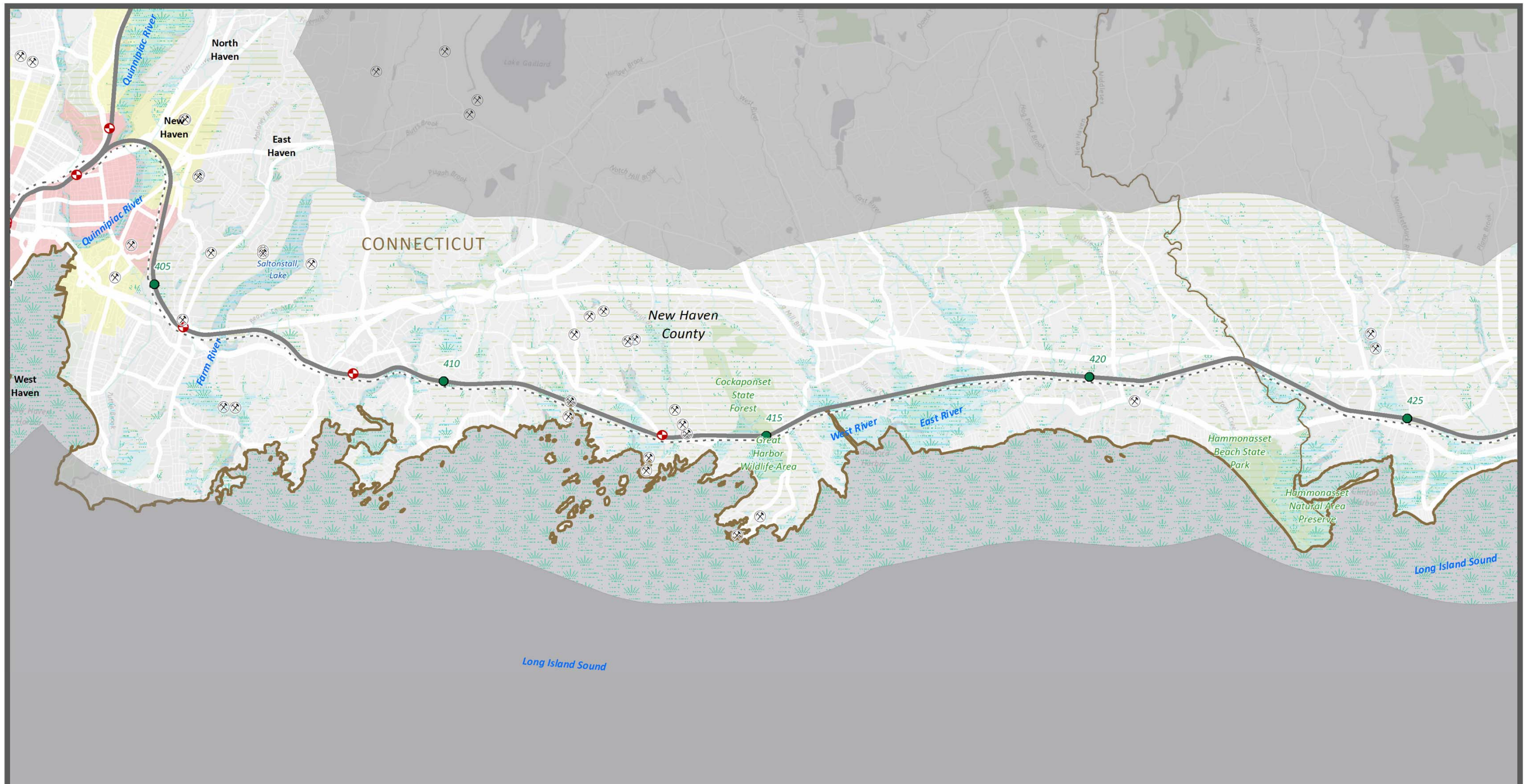
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #16

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

New Haven County, CT



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

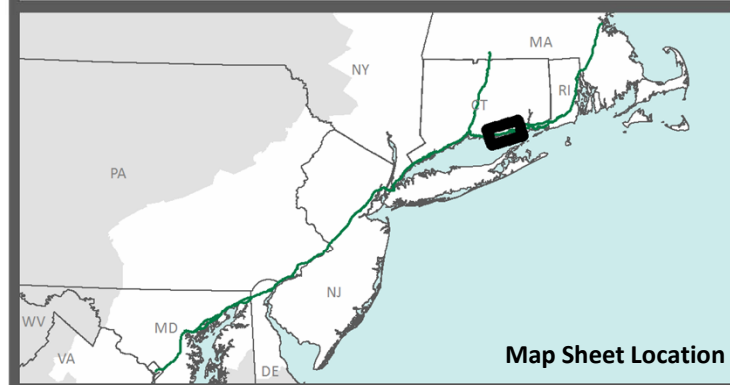
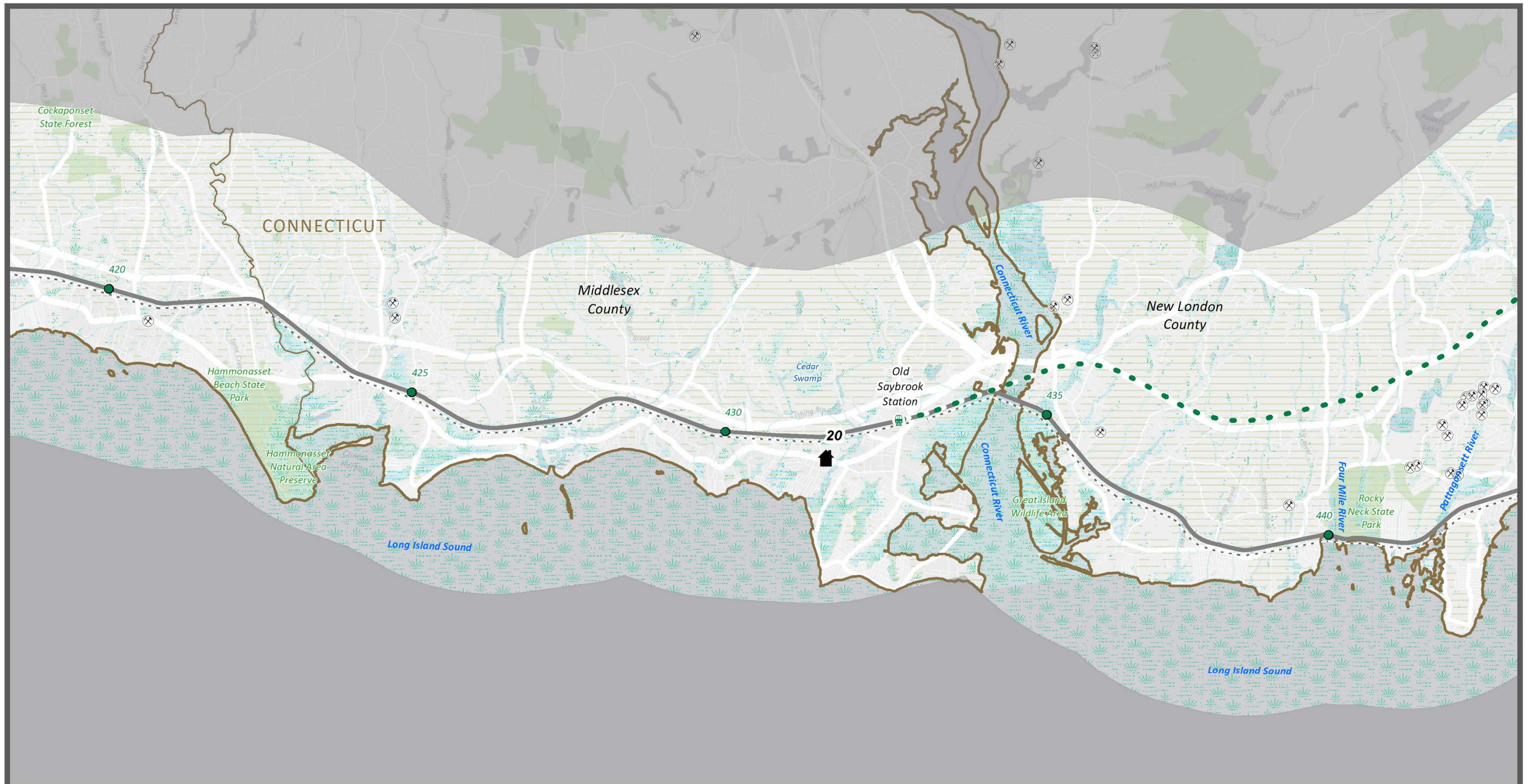
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #17

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

New Haven County, CT



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚂 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

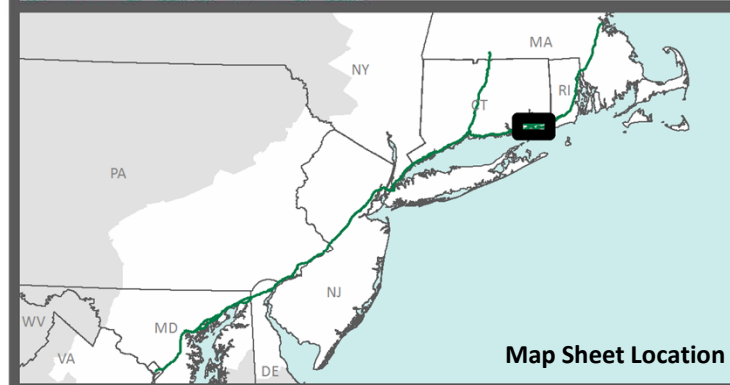
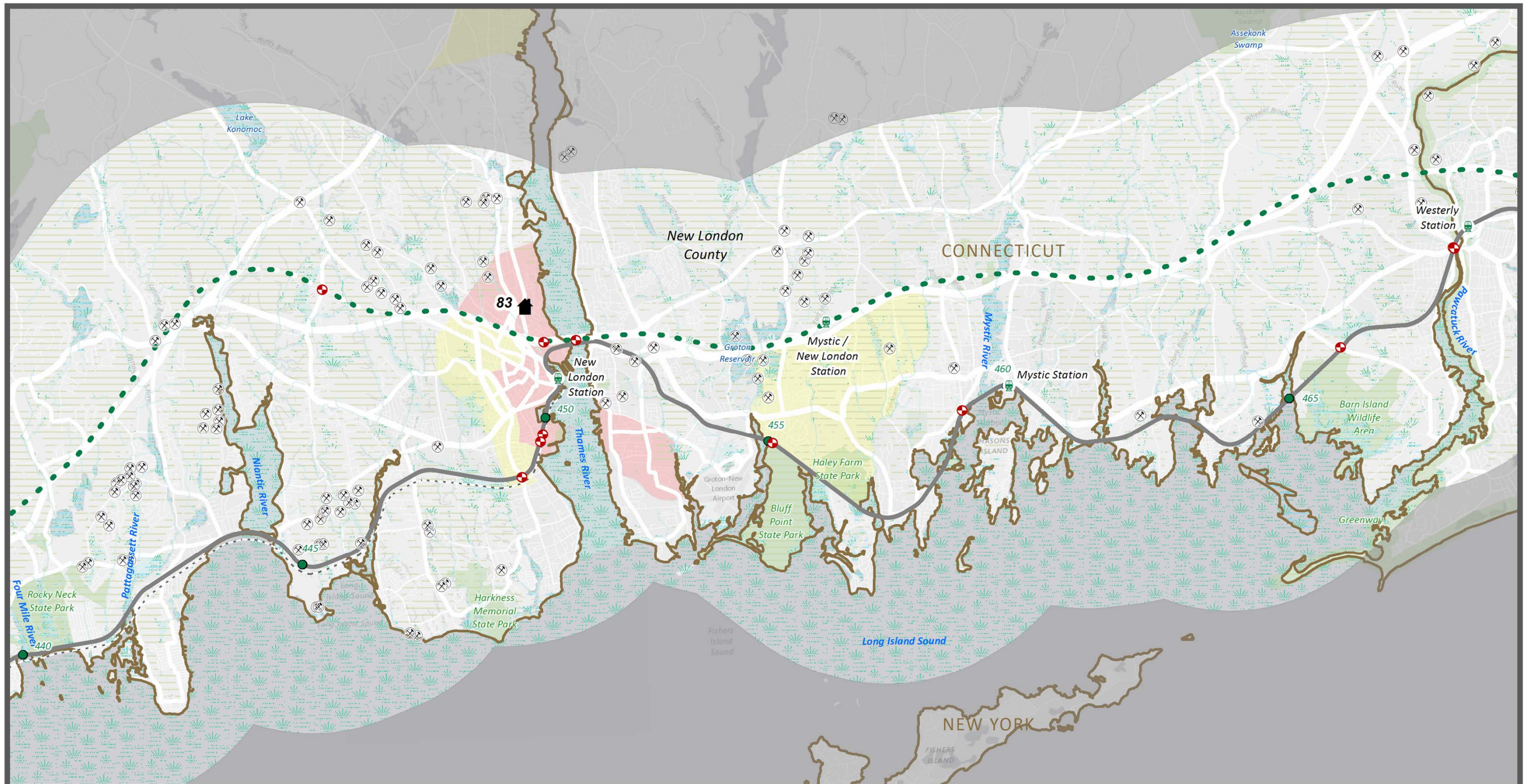
Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #18

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE
Middlesex, New London County, CT



<ul style="list-style-type: none"> ● Milepost: NEC ■ Major Hub and Hub Station Commuter Rail — Existing NEC + Hartford/Springfield Line - - - - New Segment ▭ County Boundary ▭ State Boundary 	<p>Environmental Resource</p> <ul style="list-style-type: none"> ⊗ Geologic Resource ⓧ Cultural Resource (and total) ⊕ Hazardous Material (H-P) — Stream — Water Wetlands Floodplain 	<ul style="list-style-type: none"> ▨ Terrestrial ESA ▨ Aquatic ESA ▨ Parks and Recreation ▨ EJ – Minority and Low Income ▨ EJ – Minority ▨ EJ – Low Income ▨ Airport (Large/Medium Hub)
---	--	--

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

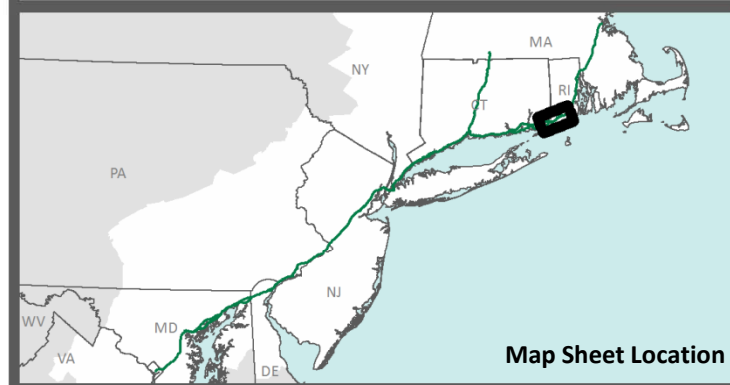
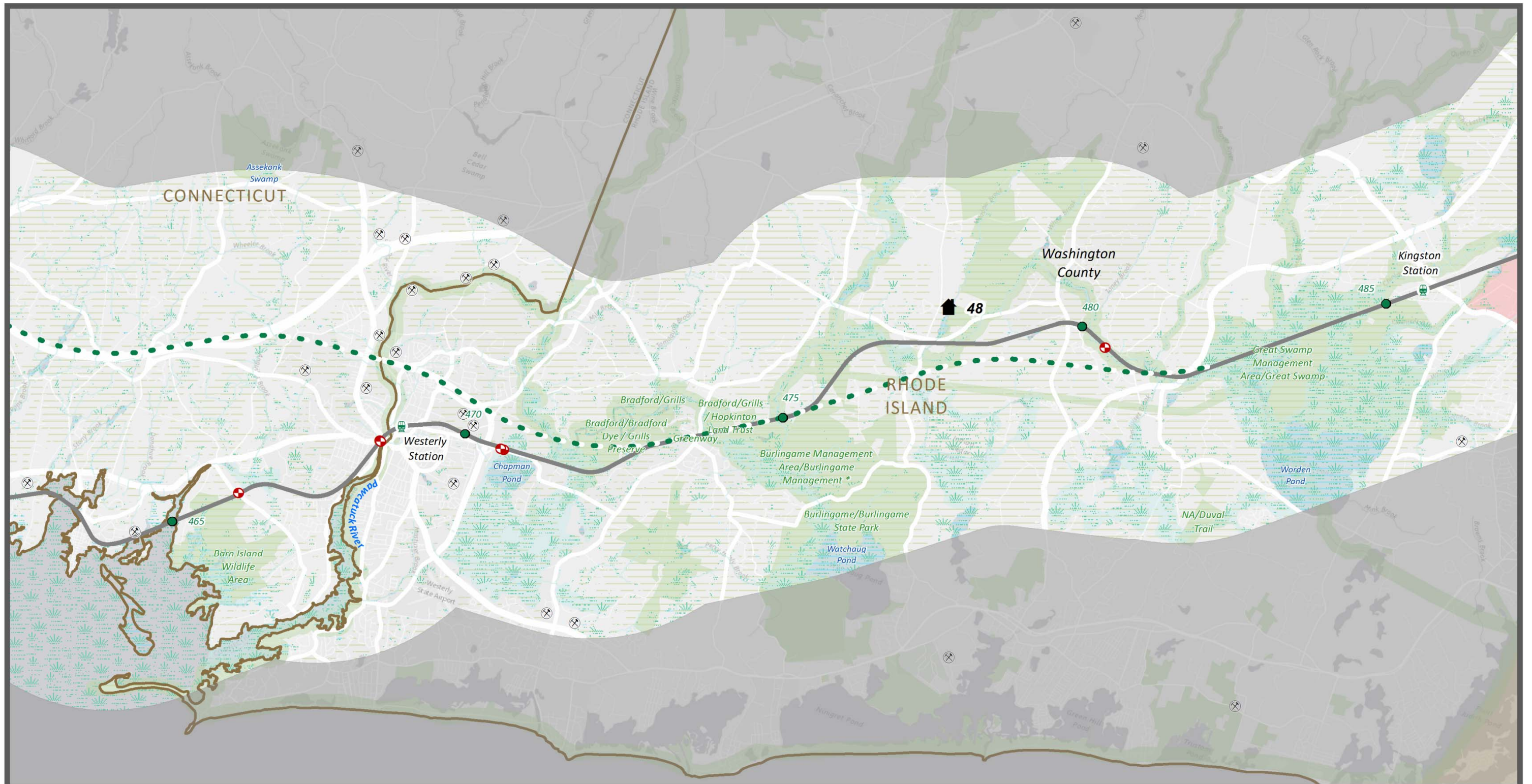
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #19

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

New London County, CT



Milepost: NEC	Geologic Resource	Terrestrial ESH
Major Hub and Hub Station	Cultural Resource (and total)	Aquatic ESH
Commuter Rail	Hazardous Material (H-P)	Parks and Recreation
Existing NEC + Hartford/Springfield Line	Stream	EJ - Minority and Low Income
New Segment	Water	EJ - Minority
County Boundary	Wetlands	EJ - Low Income
State Boundary	Floodplain	Airport (Large/Medium Hub)

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

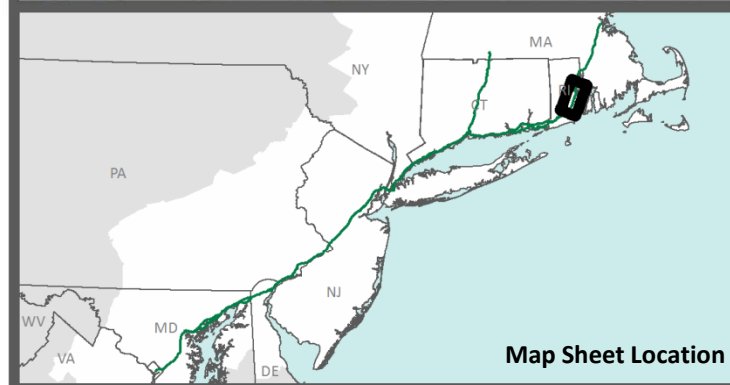
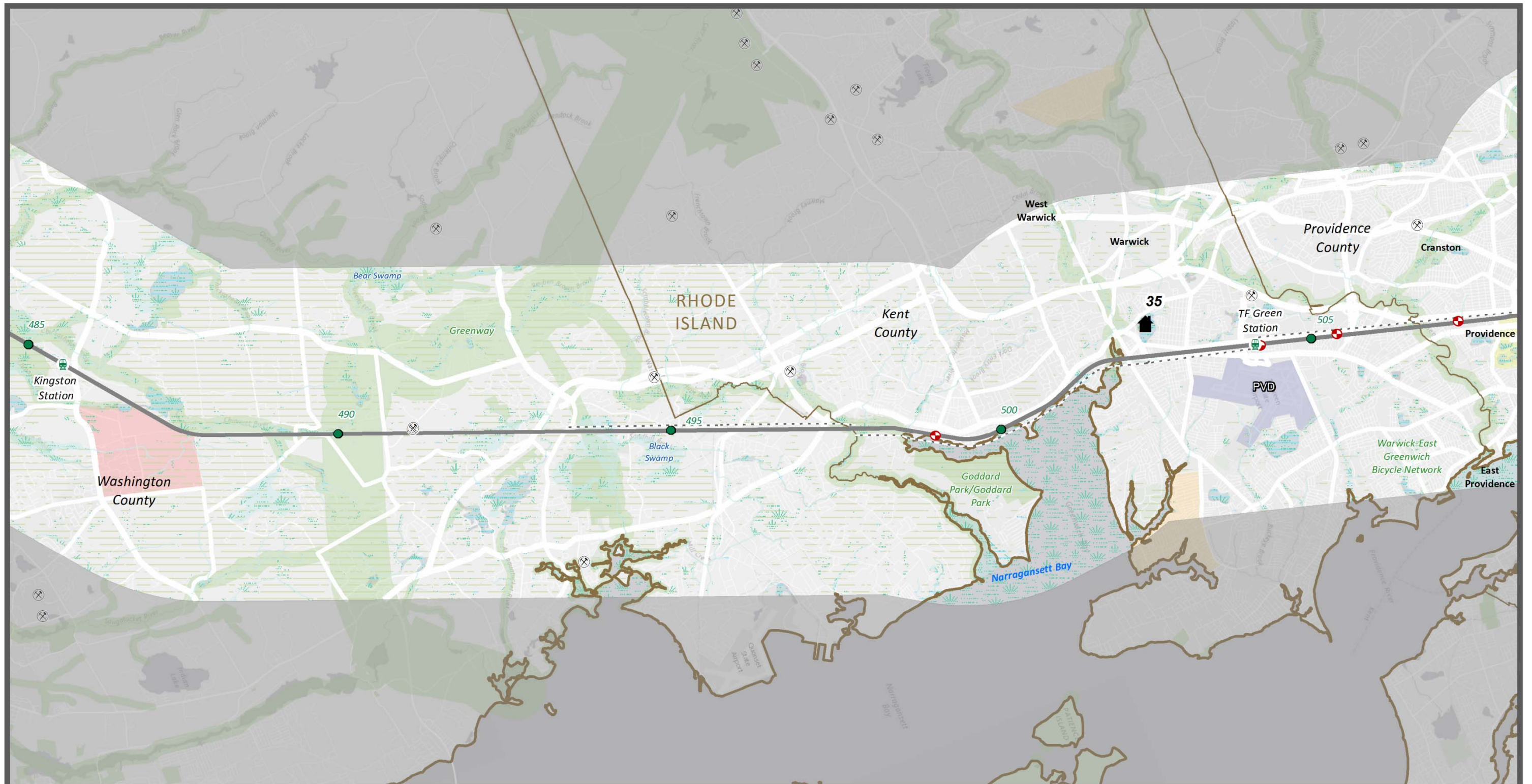
Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

Map Sheet #20

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

Washington County, RI



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

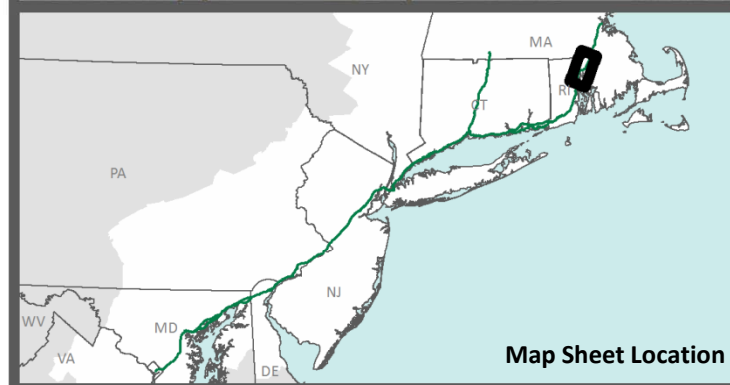
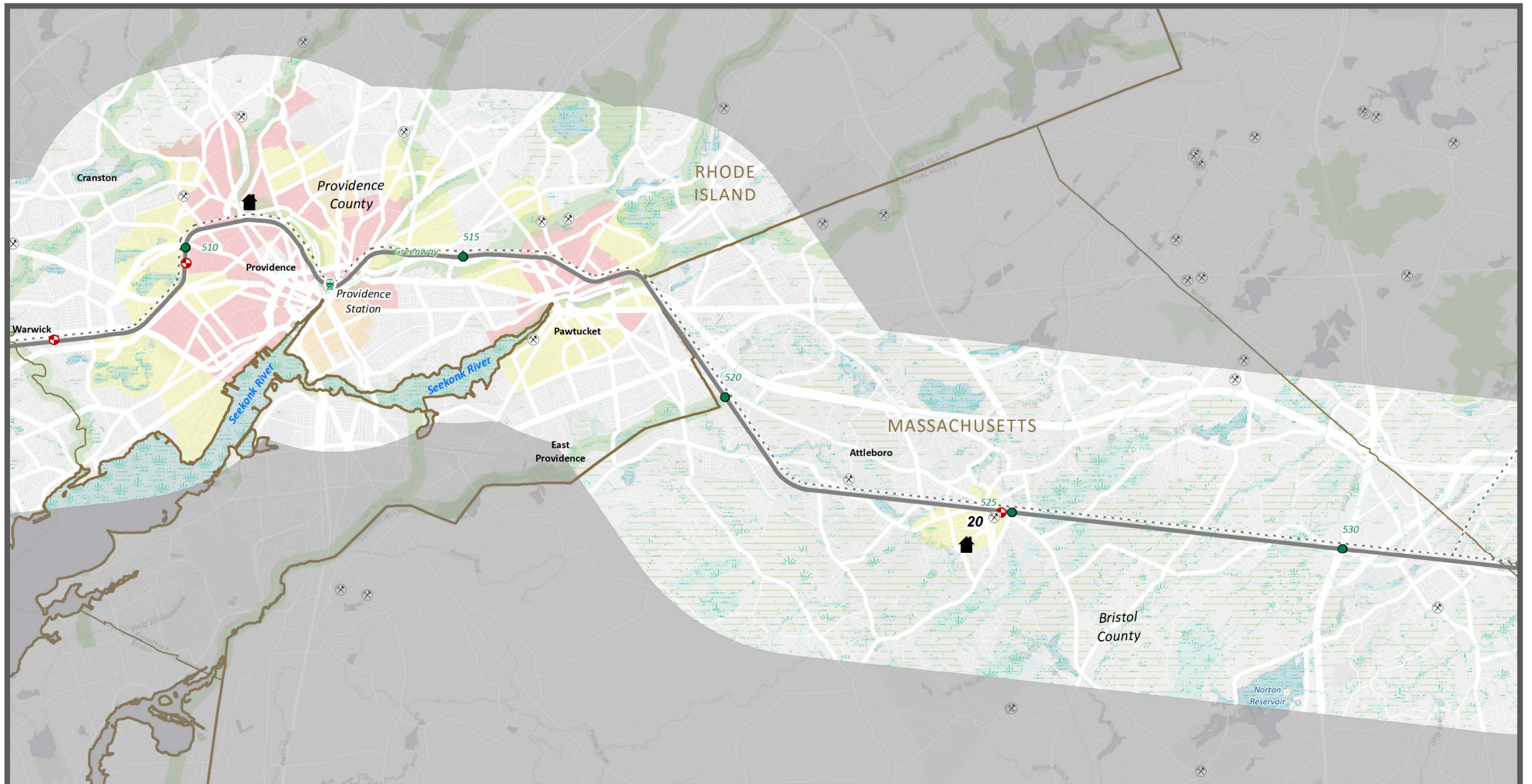
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #21

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Washington, Kent County, RI



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

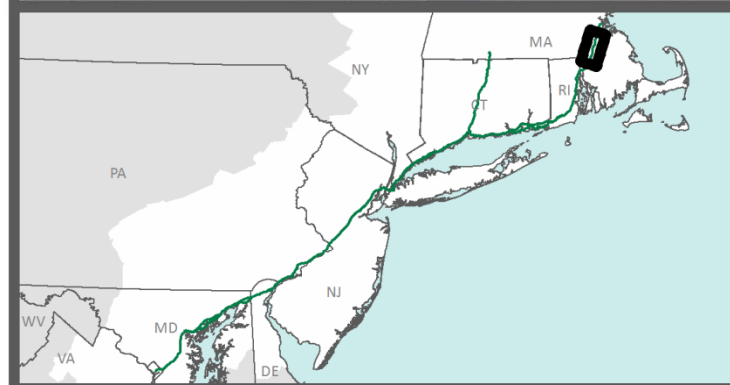
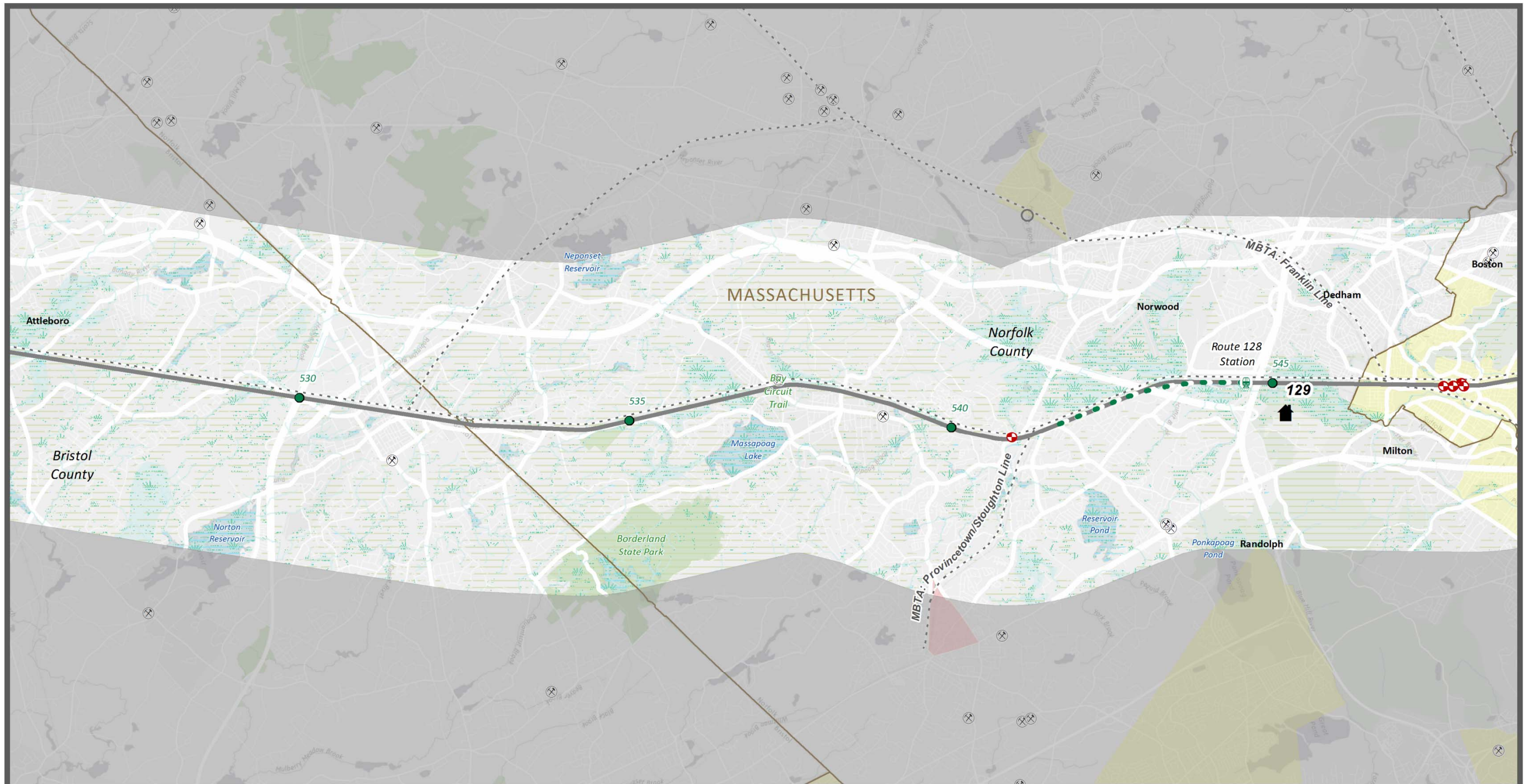
Source of Data: NEC FUTURE, 2016

0 0.5 1 Mile

Map Sheet #22

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

Providence County, RI; Bristol County, MA



● Milepost: NEC	Environmental Resource	▨ Terrestrial ESH
NEC Major Hub and Hub Station	⊗ Geologic Resource	▨ Aquatic ESH
..... Commuter Rail	⚡ Cultural Resource (and total)	▨ Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	▨ EJ – Minority and Low Income
--- New Segment	— Stream	▨ EJ – Minority
▭ County Boundary	— Water	▨ EJ – Low Income
▭ State Boundary	▨ Wetlands	▨ Airport (Large/Medium Hub)
	▨ Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

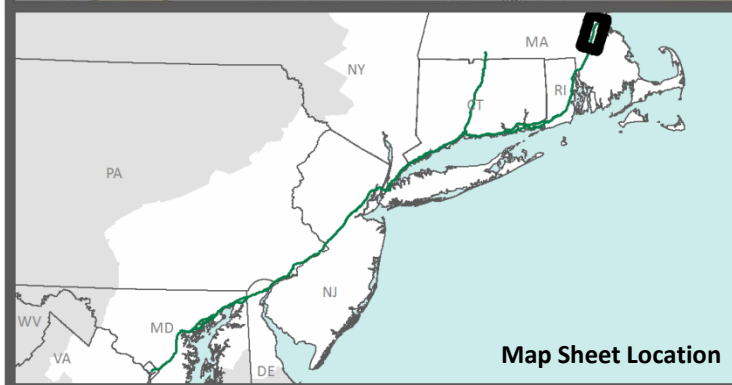
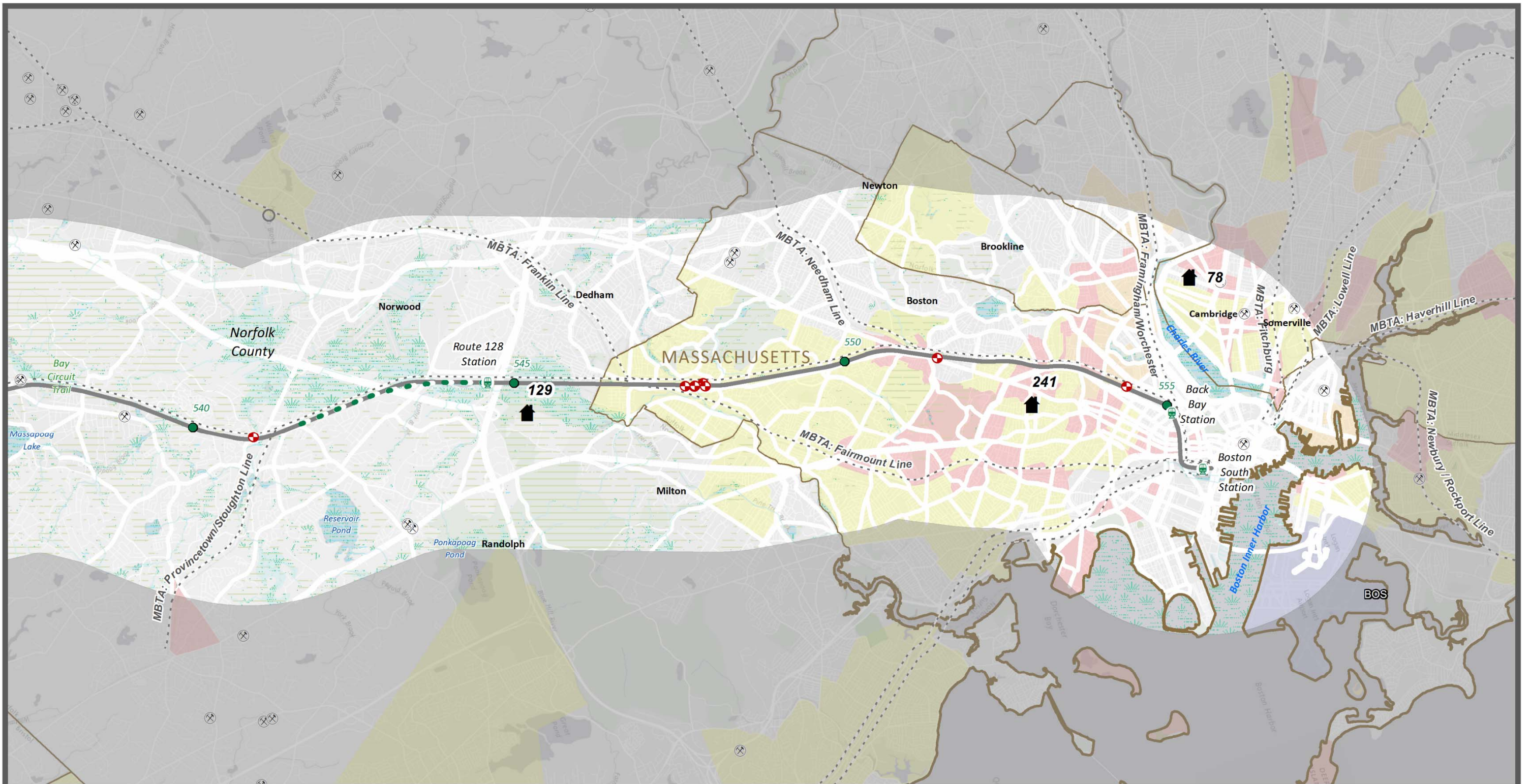
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #23

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE

Norfolk County, MA



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{xx} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⚠ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
--- New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

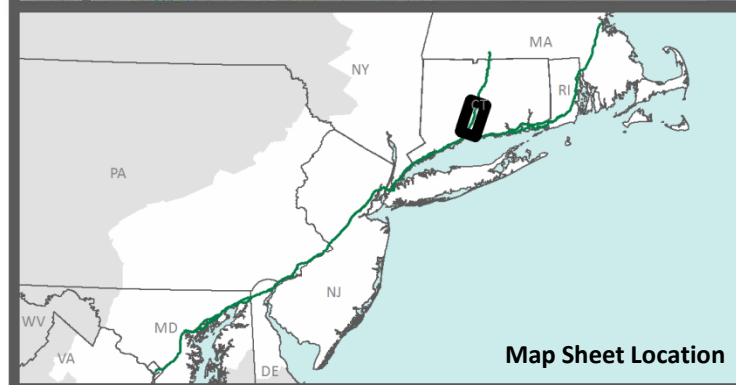
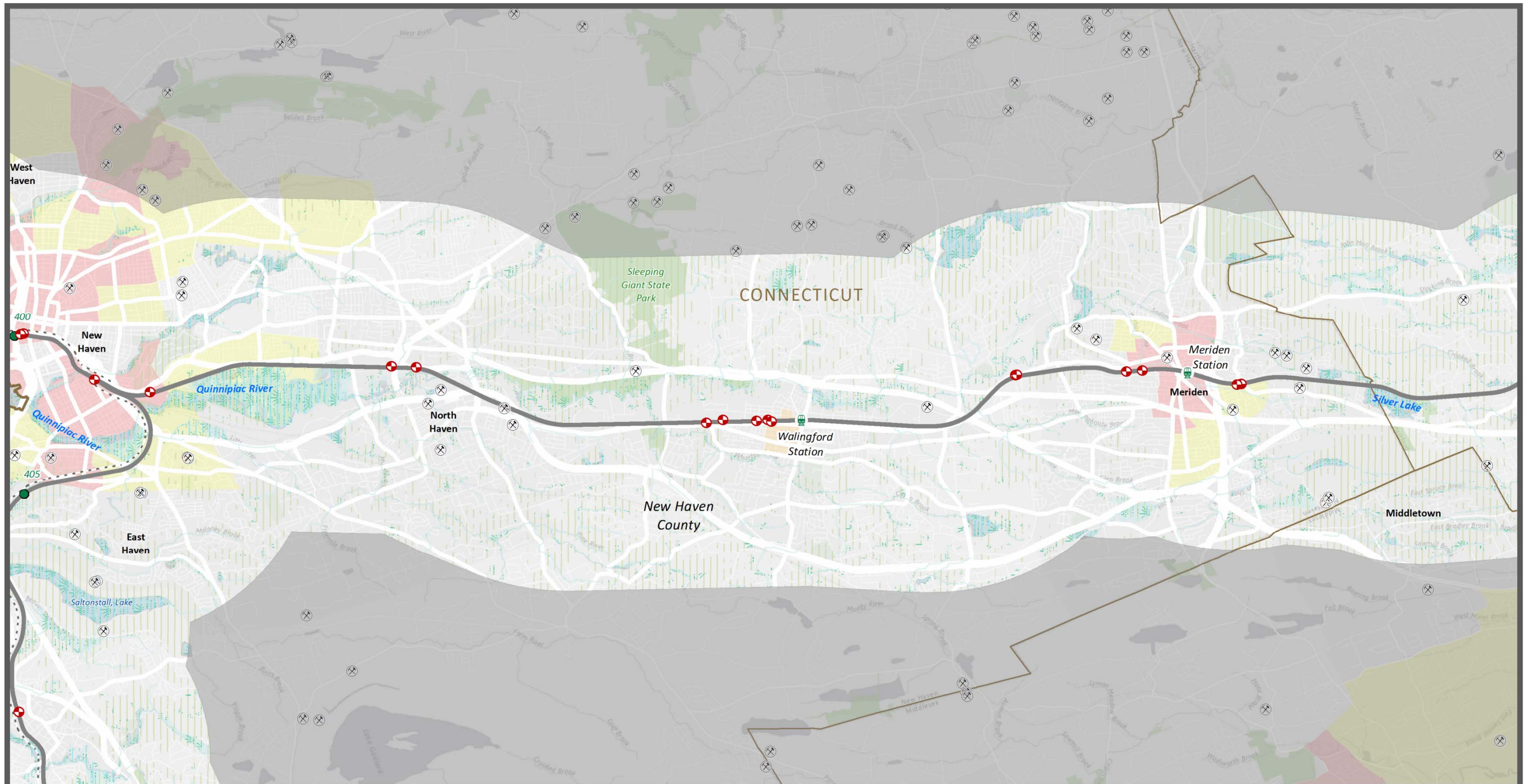
Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #24

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE
Norfolk, Suffolk County, MA



<ul style="list-style-type: none"> ● Milepost: NEC Major Hub and Hub Station Commuter Rail — Existing NEC + Hartford/Springfield Line - - - - New Segment ▭ County Boundary ▭ State Boundary 	<p>Environmental Resource</p> <ul style="list-style-type: none"> Geologic Resource Cultural Resource (and total) Hazardous Material (H-P) — Stream — Water Wetlands Floodplain Terrestrial ESH Aquatic ESH Parks and Recreation EJ – Minority and Low Income EJ – Minority EJ – Low Income Airport (Large/Medium Hub)
---	--

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

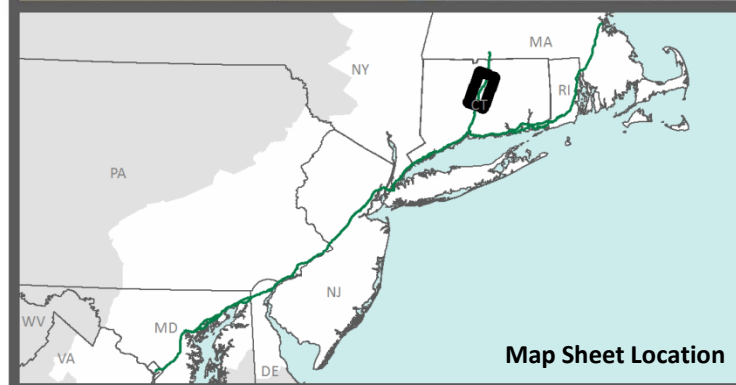
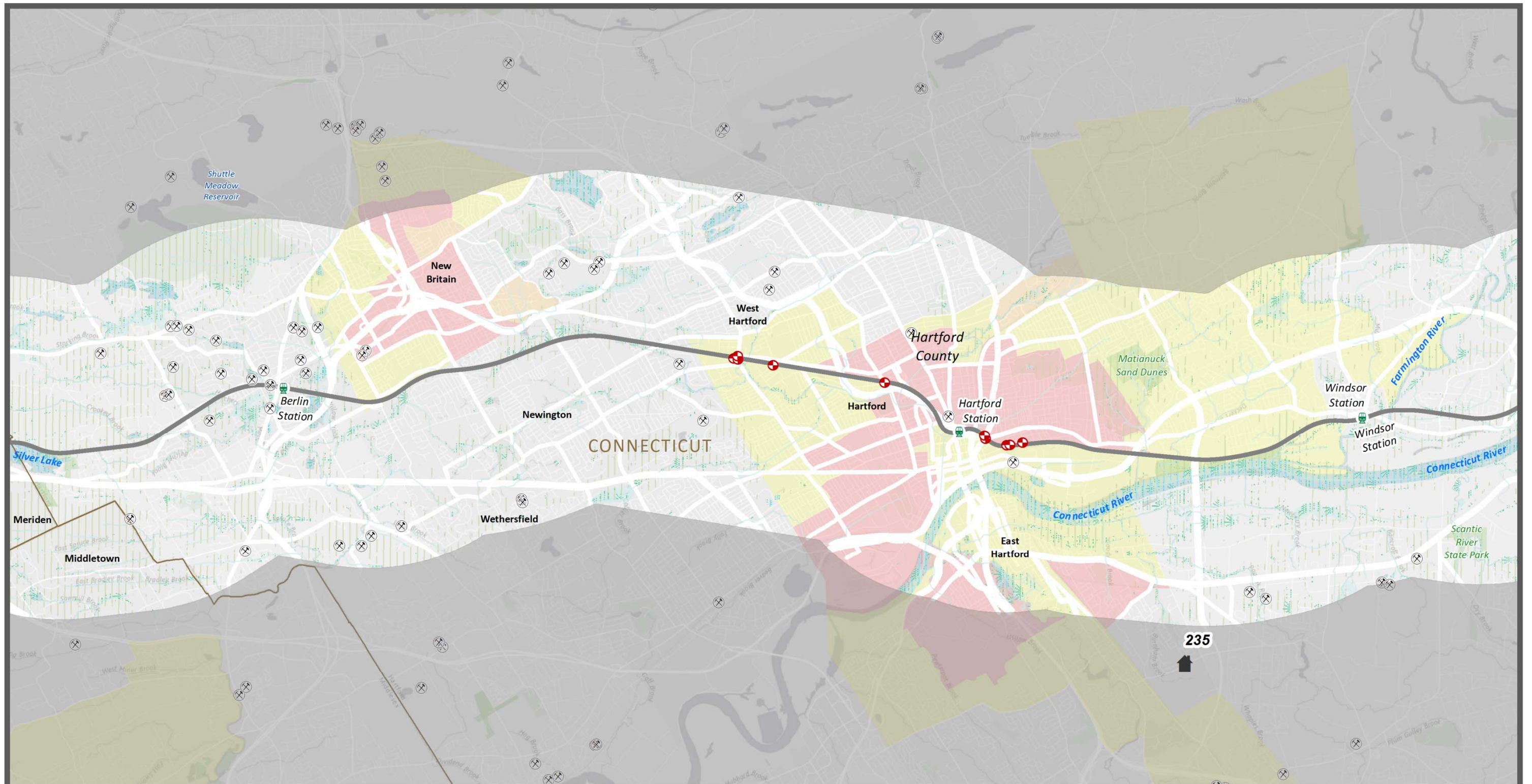
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #25

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

New Haven County, CT



<ul style="list-style-type: none"> ● Milepost: NEC Major Hub and Hub Station Commuter Rail — Existing NEC + Hartford/Springfield Line - - - - New Segment ▭ County Boundary ▭ State Boundary 	<p>Environmental Resource</p> <ul style="list-style-type: none"> Geologic Resource Cultural Resource (and total) Hazardous Material (H-P) — Stream — Water Wetlands Floodplain Terrestrial ESH Aquatic ESH Parks and Recreation EJ – Minority and Low Income EJ – Minority EJ – Low Income Airport (Large/Medium Hub)
---	--

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

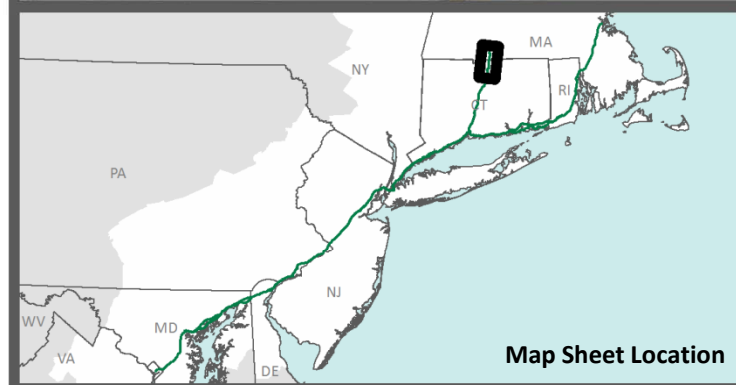
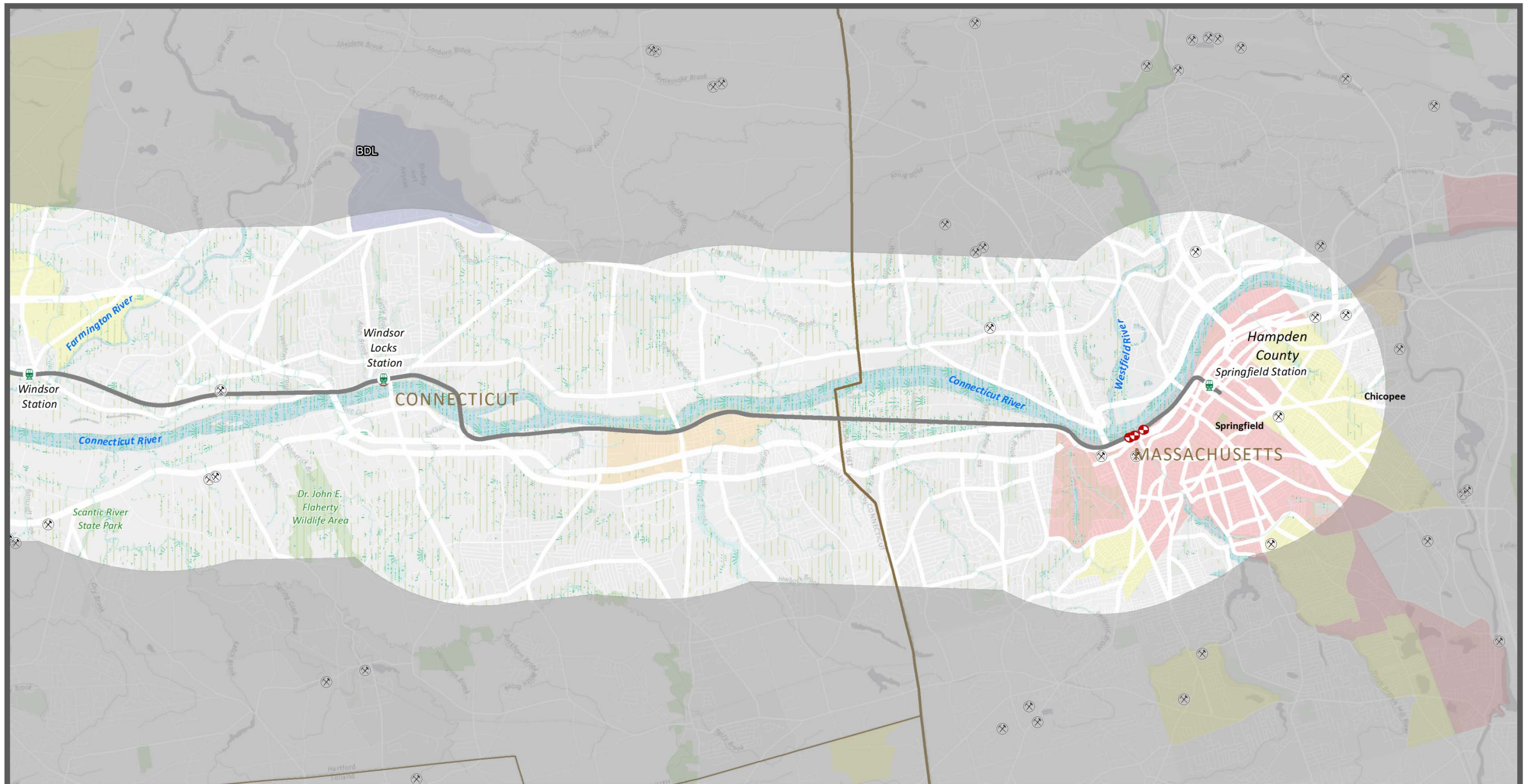
U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #26

**RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE**

Hartford County, CT



● Milepost: NEC	Environmental Resource	▬ Terrestrial ESH
🚆 Major Hub and Hub Station	⊗ Geologic Resource	▬ Aquatic ESH
⋯ Commuter Rail	🏠 ^{XX} Cultural Resource (and total)	🌳 Parks and Recreation
— Existing NEC + Hartford/Springfield Line	⊕ Hazardous Material (H-P)	👤 EJ – Minority and Low Income
— New Segment	🌊 Stream	👤 EJ – Minority
▭ County Boundary	💧 Water	👤 EJ – Low Income
▭ State Boundary	🌿 Wetlands	✈️ Airport (Large/Medium Hub)
	🌊 Floodplain	

The location shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 0.5 1 Mile

Map Sheet #27

RESOURCE CONCENTRATIONS
PREFERRED ALTERNATIVE
Hartford County, CT; Hampden County, MA



TIER 1 FINAL ENVIRONMENTAL IMPACT STATEMENT
VOLUME 1 (PREFERRED ALTERNATIVE)
APPENDIX AA, MAPPING ATLAS OF THE PREFERRED ALTERNATIVE

Part 2 **Representative Route Mapping Atlas**

Map Legend


Representative Route

Construction Type

 Tunnel


 Trench

 At-Grade

 Embankment

 Aerial Structure

 Major Bridge

 Illustrative nature of New Segments



Major Hub and Hub Station



National Passenger Rail Network



State Boundary



Interstate Highway



US Highway



State/County Highway



County Boundary



Existing NEC + Hartford/ Springfield Line

Index of Map Sheets

Sheet #	Regional Location
1	Washington, D.C., Baltimore, MD
2	Baltimore, Aberdeen, MD; Newark, DE
3	Wilmington, DE, Philadelphia, Cornwells Heights, PA
4	Trenton, NJ, North Brunswick, Metropark (Iselin, NJ)
5	Metropark (Iselin, NJ), Newark, NJ; New York City
6	Westchester County, NY; Stamford, New Haven, CT
7	New Haven, Old Saybrook, CT; Westerly, RI
8	Westerly, Kingston, RI
9	Providence, RI; Dedham, MA
10	Dedham, Boston, MA
11	Hartford, CT; Springfield, MA

The Index of Map Sheets applies to the NEC + Hartford/Springfield Line; and new segments of the Preferred Alternative

General Notes

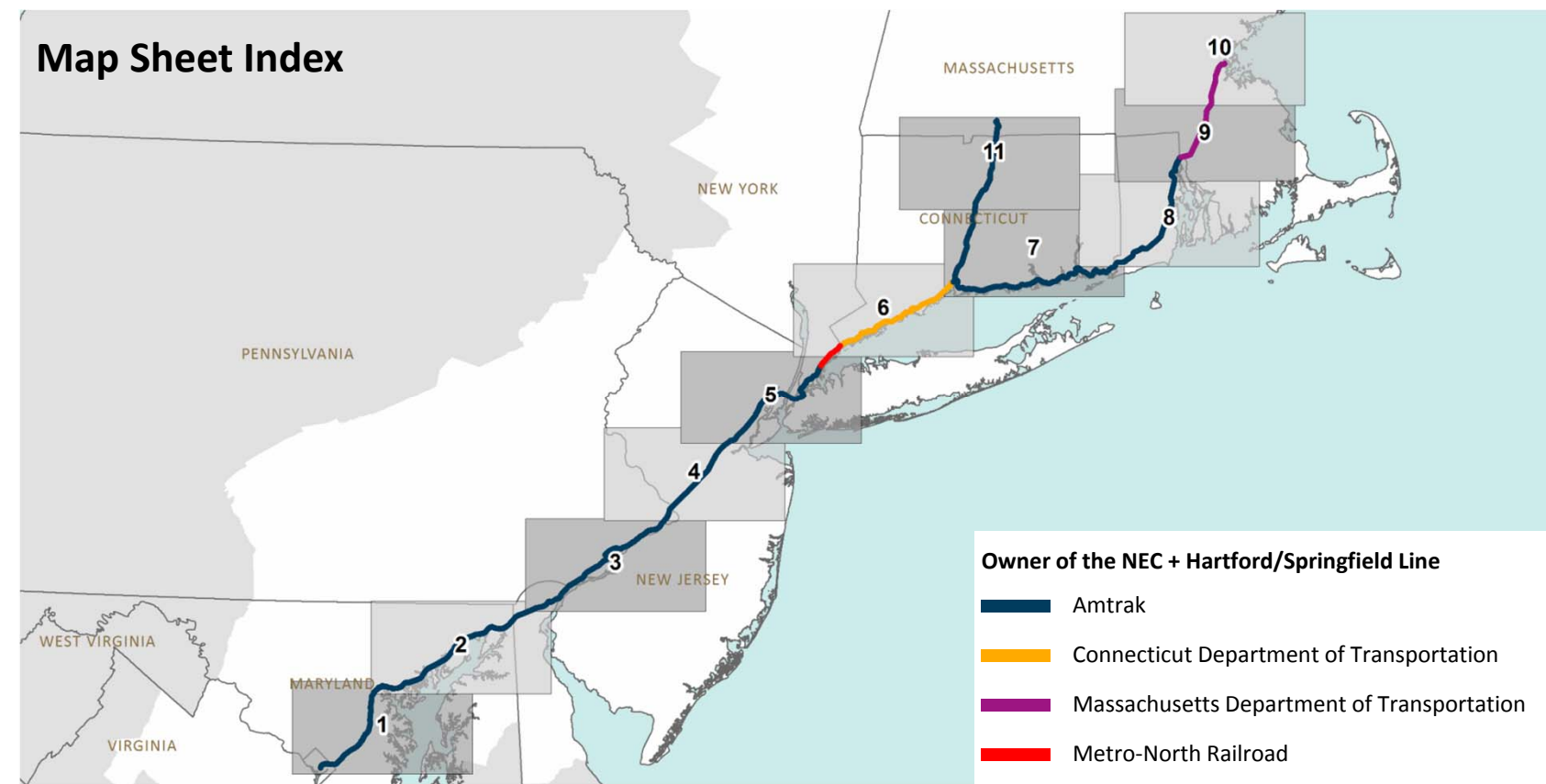
Part 2 of this Mapping Atlas depicts the construction type of the Representative Route for the Preferred Alternative as presented in Volume 1, Chapter 4 of the Final EIS. The Representative Route consists of the Existing NEC (including the Hartford/Springfield Line) and New Segments. On this mapping, the Existing NEC is shown in gray, and the New Segments are shown in various colors depending on their construction type. Given the scale of this mapping, the New Segments appear to overlap with the Existing NEC in some locations; in fact, the New Segments would be separate from the Existing NEC except where they connect to it. Please refer to Part 1 of this atlas for a more detailed depiction of the relative locations of the Existing NEC and New Segments. The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Ownership

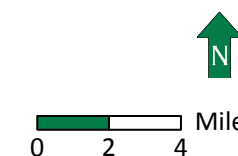
Ownership of the existing NEC and Hartford/Springfield Line is identified by owner and depicted in the Map Sheet Index below.

- **Amtrak:** Washington Union Station to New Rochelle, NY; Mill River to Rhode Island/Massachusetts state border; Hartford/ Springfield Line
- **Connecticut DOT:** New York/Connecticut state border to Mill River, east of New Haven Station
- **Massachusetts:** Rhode Island/Massachusetts state border to Boston South Station
- **Metro-North Railroad:** New Rochelle, NY to New York/Connecticut state border

Map Sheet Index



Source of Data: NEC FUTURE, 2016



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Part 2 - Existing NEC + Hartford/Springfield Line

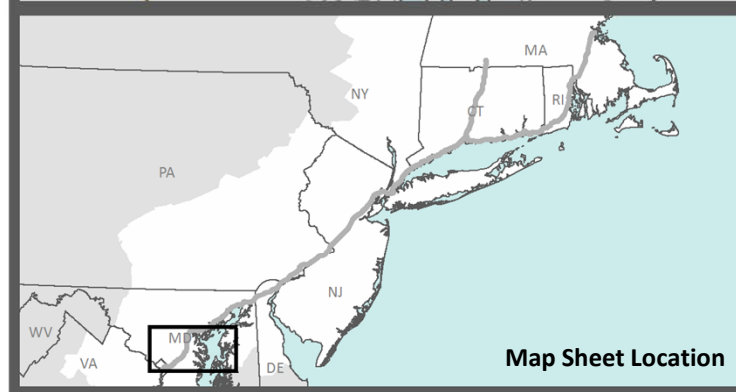
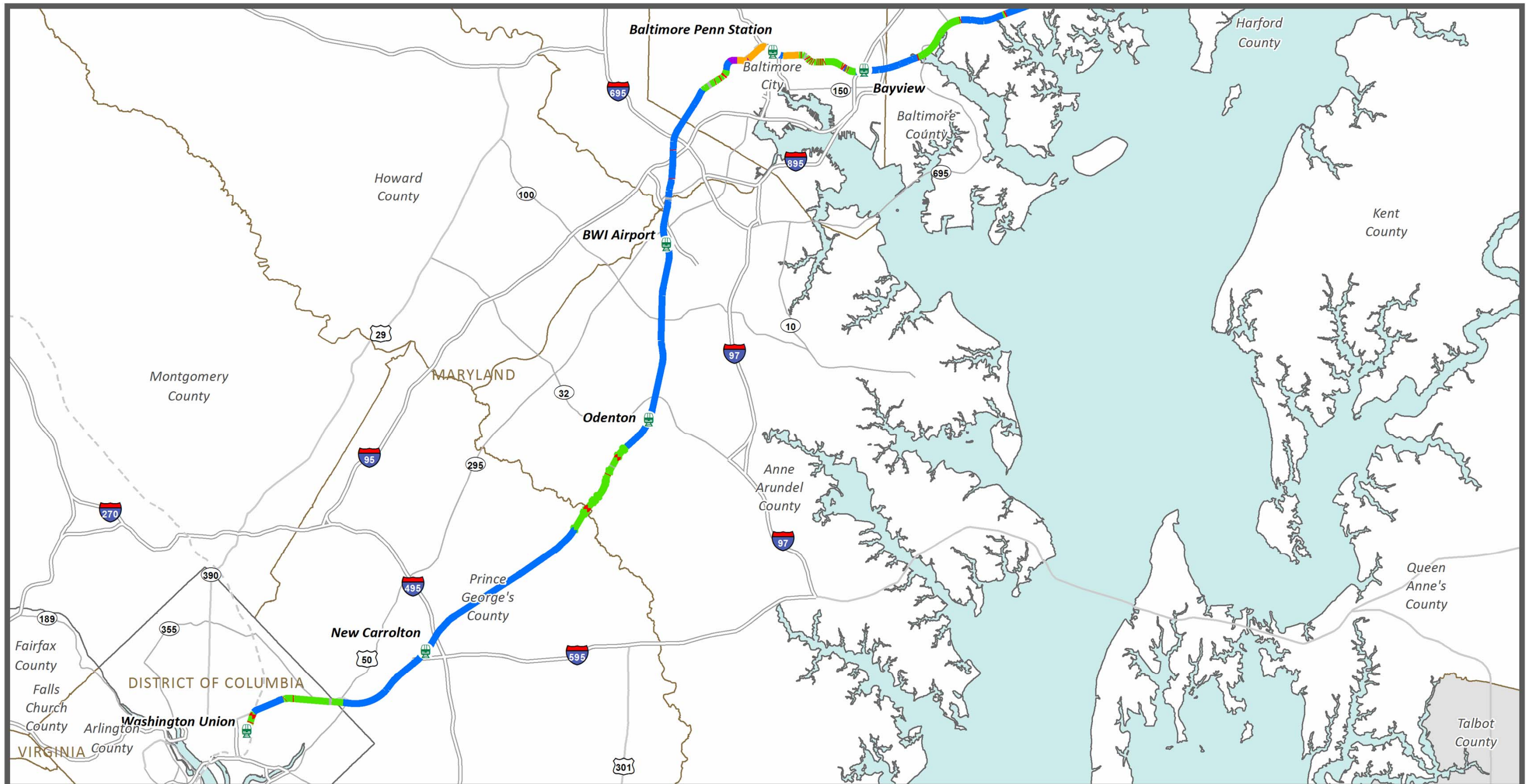


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Administration**

NEC
FUTURE

The graphic part of the NEC Future logo, showing a stylized green grid pattern that transitions into a solid green wavy shape at the bottom.

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Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Interstate Highway
	Embankment		US Highway
	Aerial Structure		State/County Highway
	Major Bridge		State Boundary
			County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

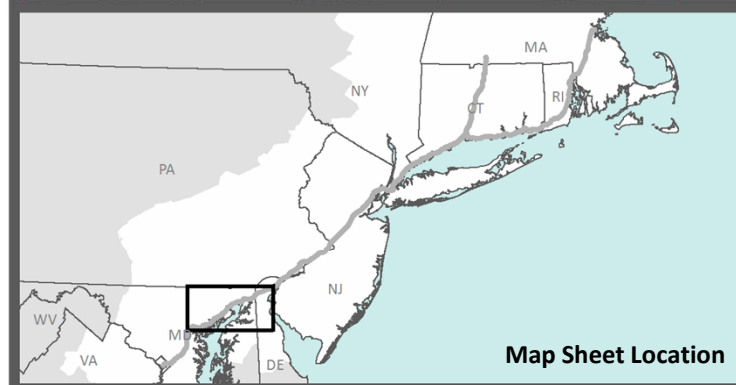
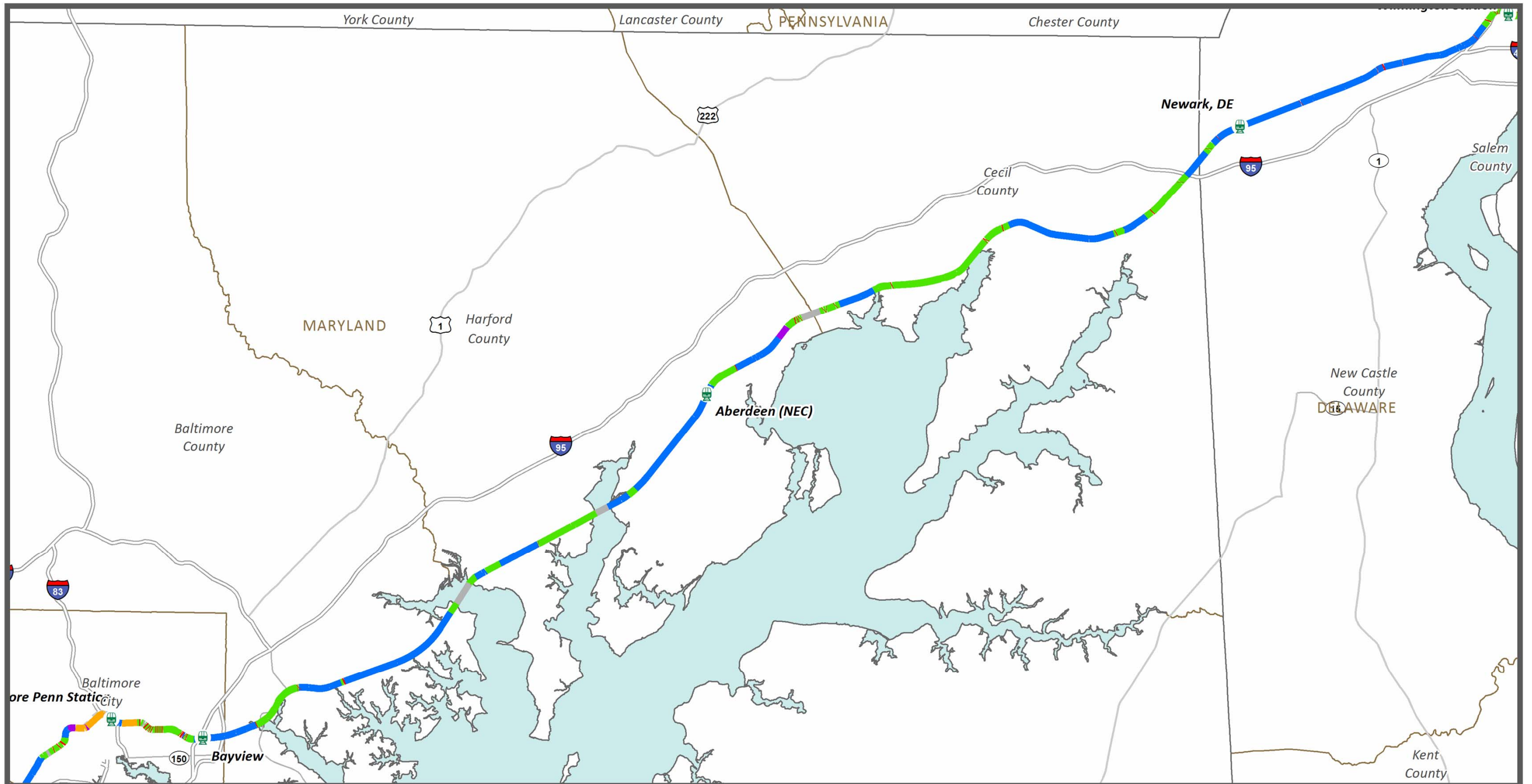
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Map Sheet #1

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Washington, D.C., Baltimore, MD



Construction Type		Other Features	
Tunnel	Major Hub and Hub Station	State Boundary	County Boundary
Trench	National Passenger Rail Network	Interstate Highway	US Highway
At-Grade	Interstate Highway	US Highway	State/County Highway
Embankment	US Highway		
Aerial Structure	State/County Highway		
Major Bridge			

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

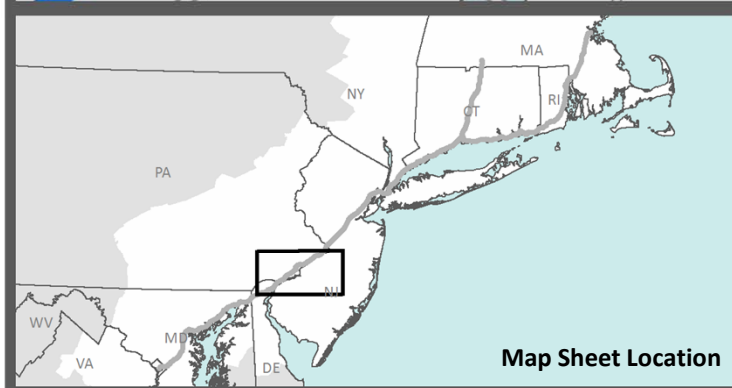
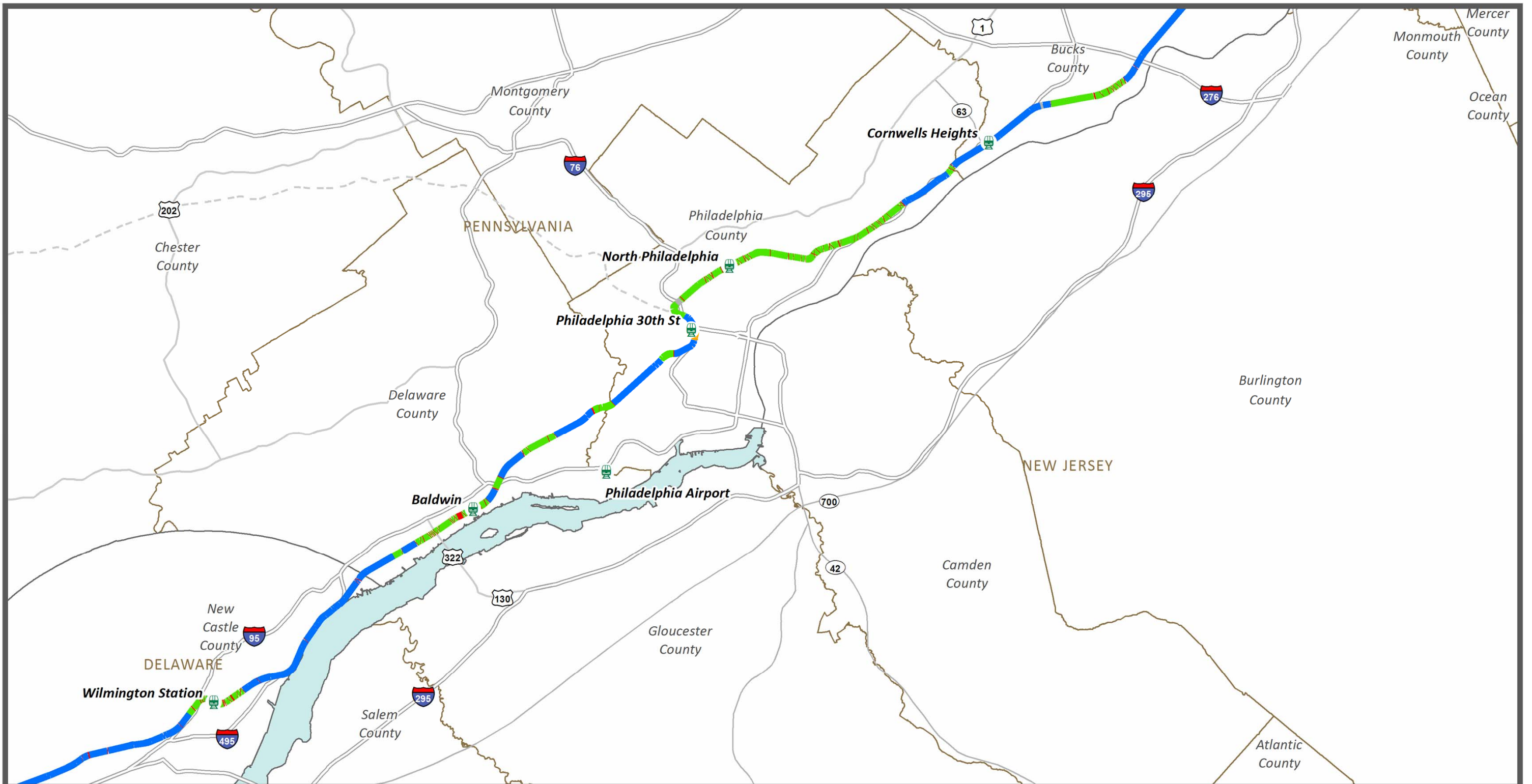
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Map Sheet #2

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Baltimore, Aberdeen, MD; Newark, DE



Construction Type		Station		Boundary	
	Tunnel		Major Hub and Hub Station		State Boundary
	Trench		National Passenger Rail Network		County Boundary
	At-Grade		Interstate Highway		US Highway
	Embankment		State/County Highway		
	Aerial Structure				
	Major Bridge				

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

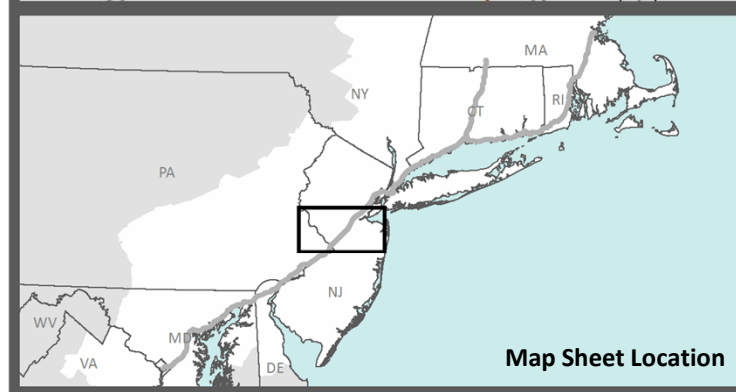
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Map Sheet #3

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Wilmington, DE, Philadelphia, Cornwells Heights, PA



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Interstate Highway
	Embankment		US Highway
	Aerial Structure		State/County Highway
	Major Bridge		State Boundary
			County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

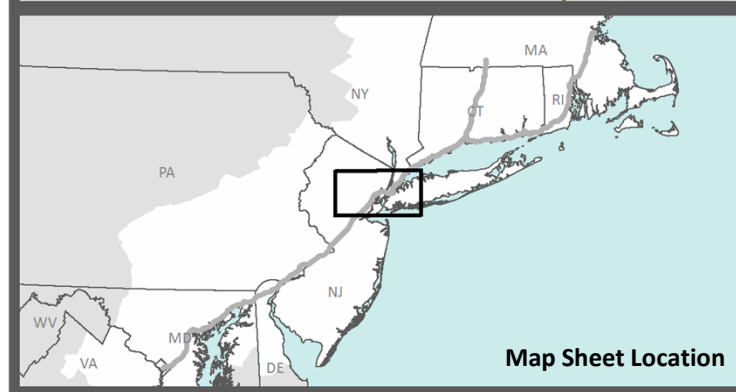
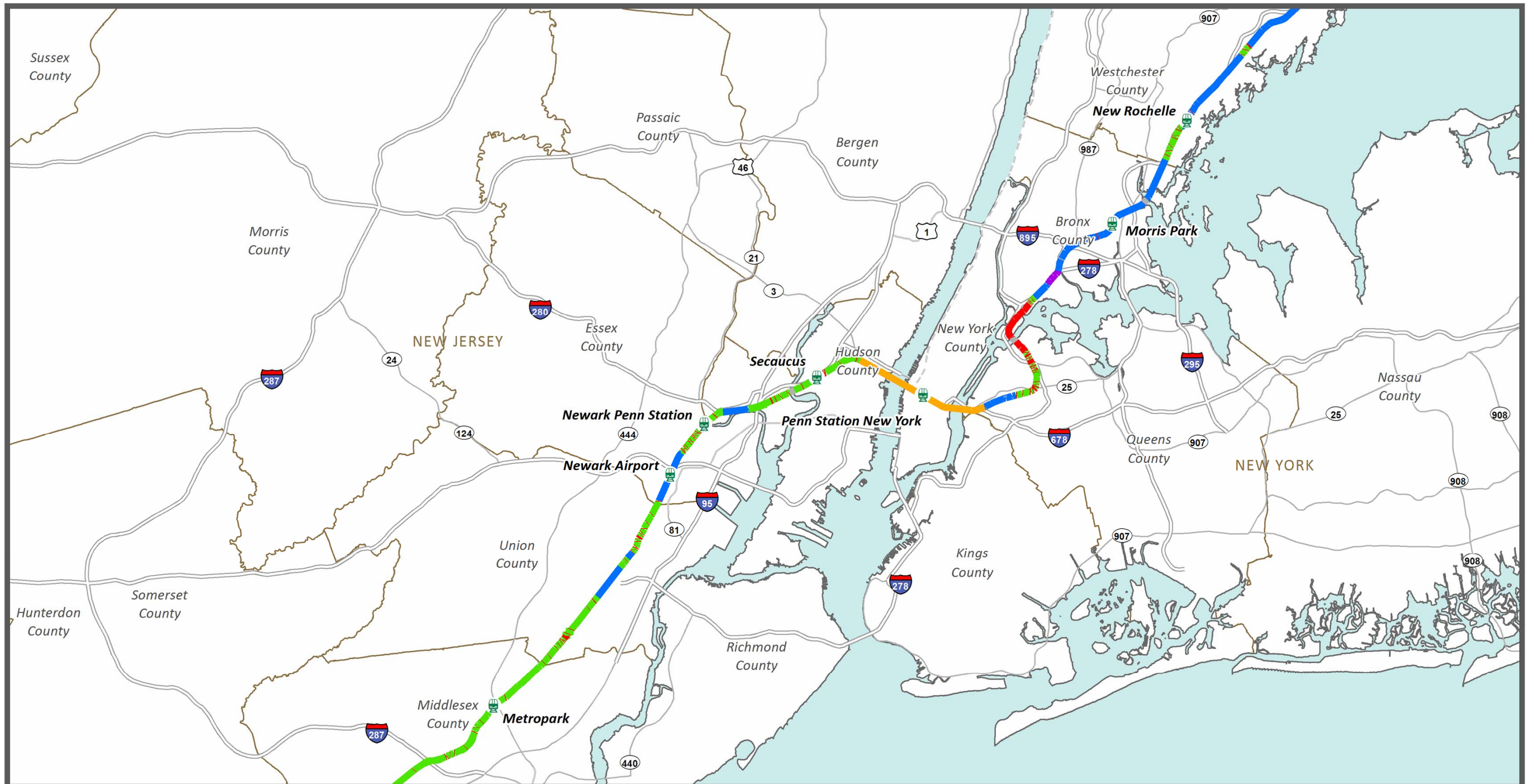
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Map Sheet #4

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Trenton, NJ, North Brunswick, Metropark (Iselin, NJ)



Construction Type

- Tunnel
- Trench
- At-Grade
- Embankment
- Aerial Structure
- Major Bridge
- Major Hub and Hub Station
- National Passenger Rail Network
- Interstate Highway
- US Highway
- State/County Highway
- State Boundary
- County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

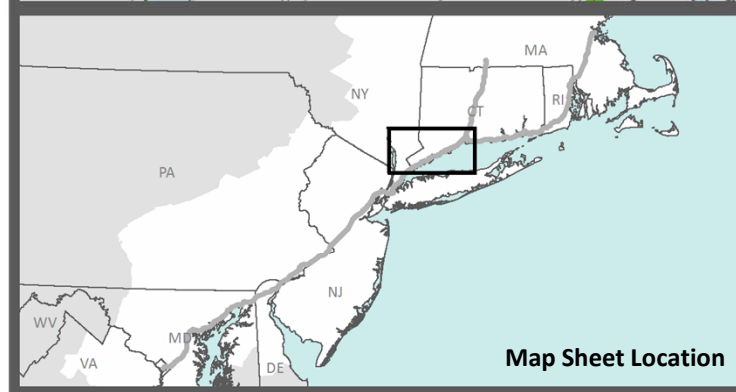
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Map Sheet #5

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Metropark (Iselin, NJ), Newark, NJ; New York City



Construction Type		Major Hub and Hub Station		State Boundary	
	Tunnel		Major Hub and Hub Station		State Boundary
	Trench		National Passenger Rail Network		County Boundary
	At-Grade		Interstate Highway		US Highway
	Embankment		State/County Highway		
	Aerial Structure				
	Major Bridge				

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

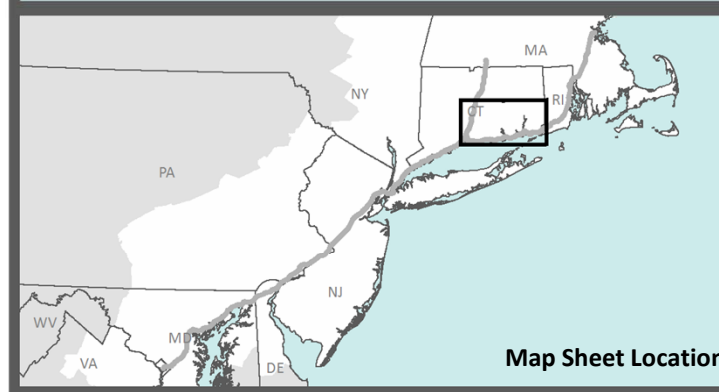
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Map Sheet #6

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Westchester County, NY; Stamford, New Haven, CT



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Interstate Highway
	Embankment		US Highway
	Aerial Structure		State/County Highway
	Major Bridge		State Boundary
			County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

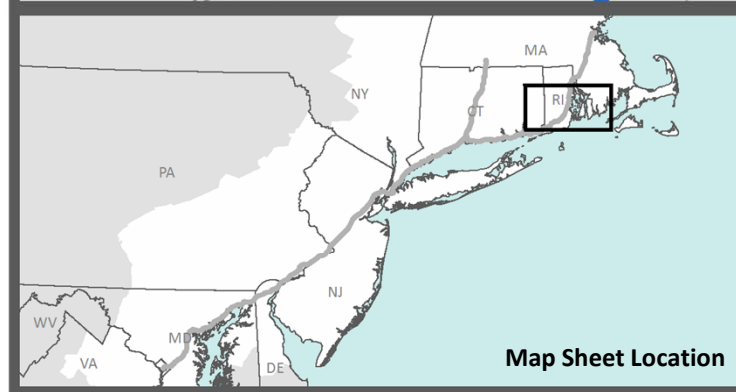
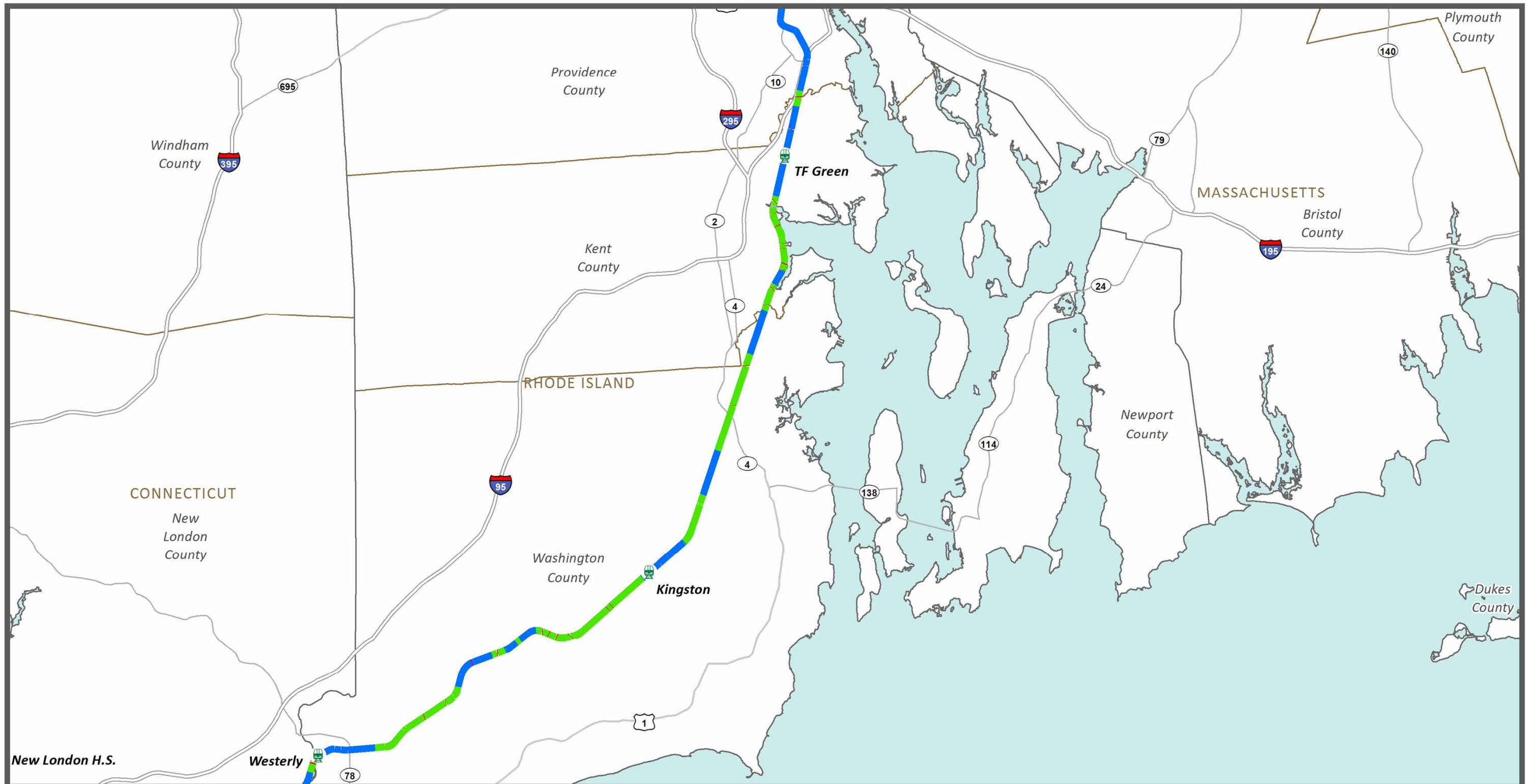
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Map Sheet #7

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

New Haven, Old Saybrook, CT; Westerly, RI



Construction Type

- Tunnel
- Trench
- At-Grade
- Embankment
- Aerial Structure
- Major Bridge

- Major Hub and Hub Station
- National Passenger Rail Network
- Interstate Highway
- US Highway
- State/County Highway
- State Boundary
- County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

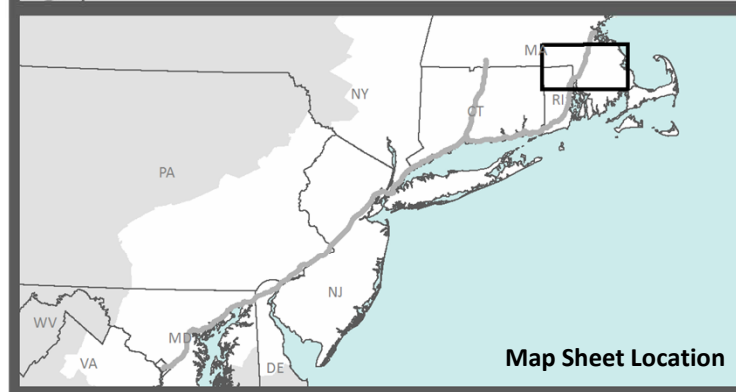
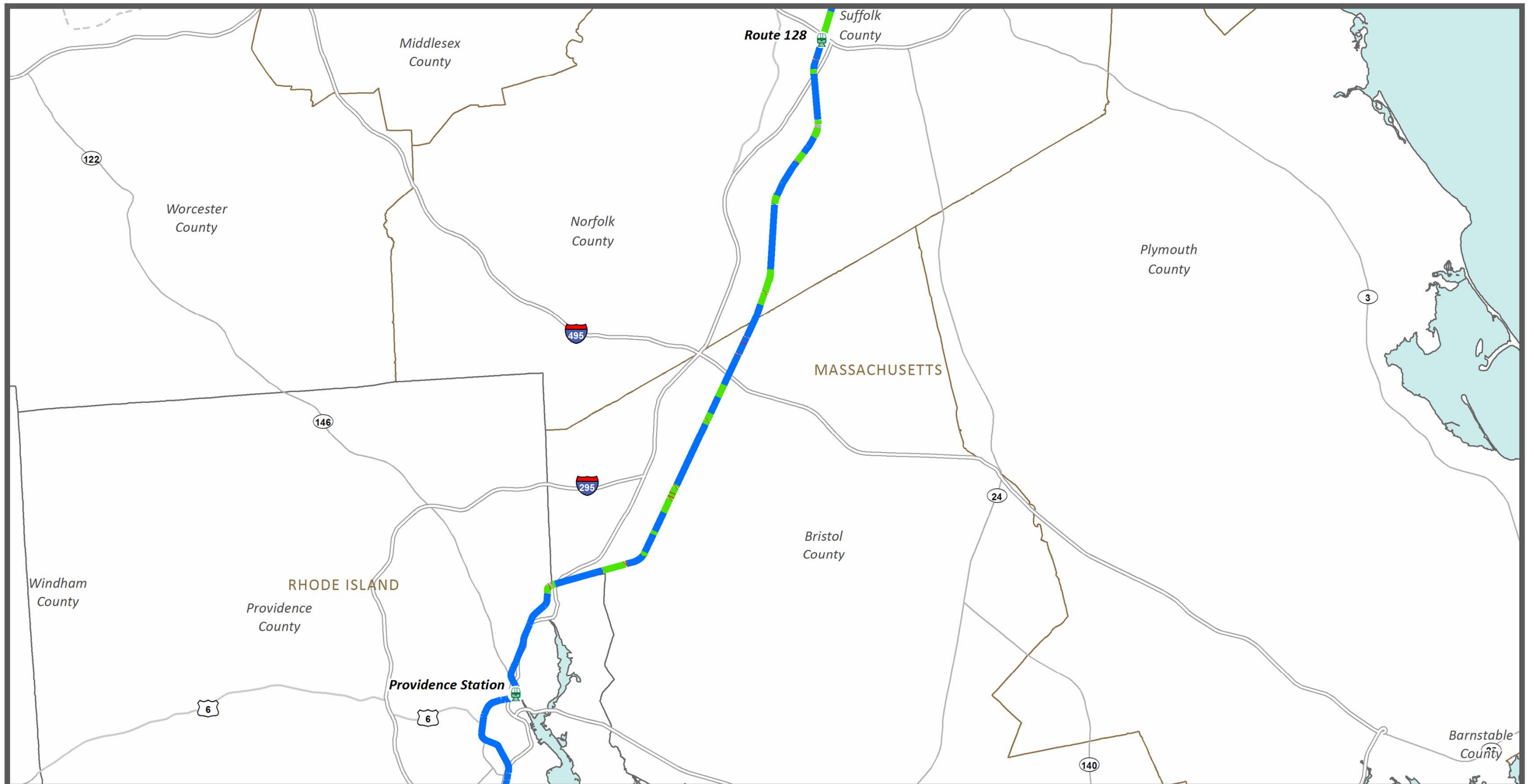
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Map Sheet #8

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Westerly, Kingston, RI



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Interstate Highway
	Embankment		US Highway
	Aerial Structure		State/County Highway
	Major Bridge		State Boundary
			County Boundary

Source of Data: NEC FUTURE, 2016

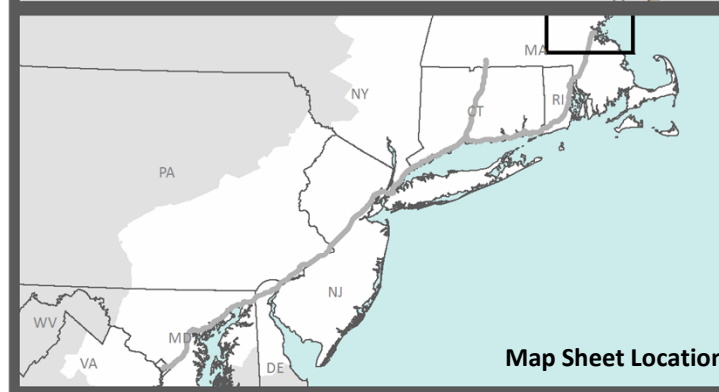
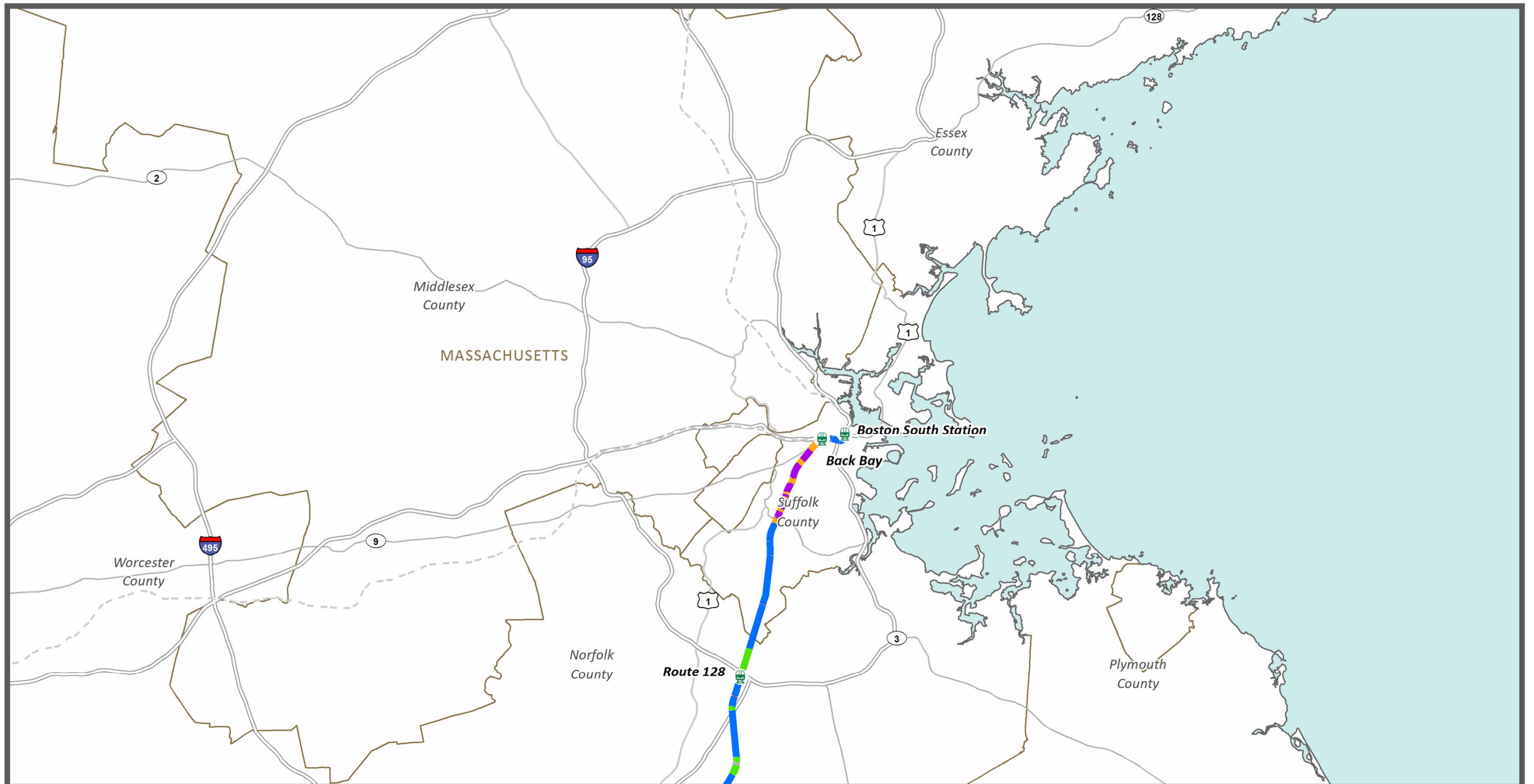
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Map Sheet #9

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Providence, RI; Dedham, MA



Construction Type		Other Features	
	Trench		Major Hub and Hub Station
	At-Grade		National Passenger Rail Network
	Embankment		Interstate Highway
	Aerial Structure		US Highway
	Major Bridge		State/County Highway
	State Boundary		County Boundary

Source of Data: NEC FUTURE, 2016

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Federal Railroad Administration

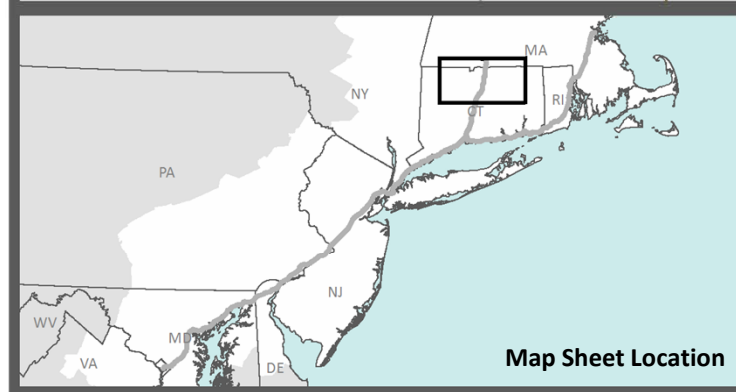
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Map Sheet #10

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Dedham, Boston, MA



Construction Type

- █ Tunnel
- █ Trench
- █ At-Grade
- █ Embankment
- █ Aerial Structure
- █ Major Bridge

- Major Hub and Hub Station
- National Passenger Rail Network
- == Interstate Highway
- US Highway
- State/County Highway
- State Boundary
- County Boundary

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 2 4 Mile

Map Sheet #11

REPRESENTATIVE ROUTE

Construction Type:
Existing NEC + Hartford/Springfield Line

Hartford, CT; Springfield, MA

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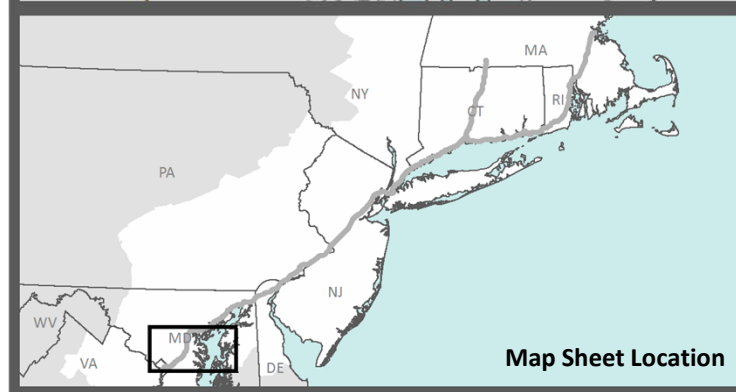
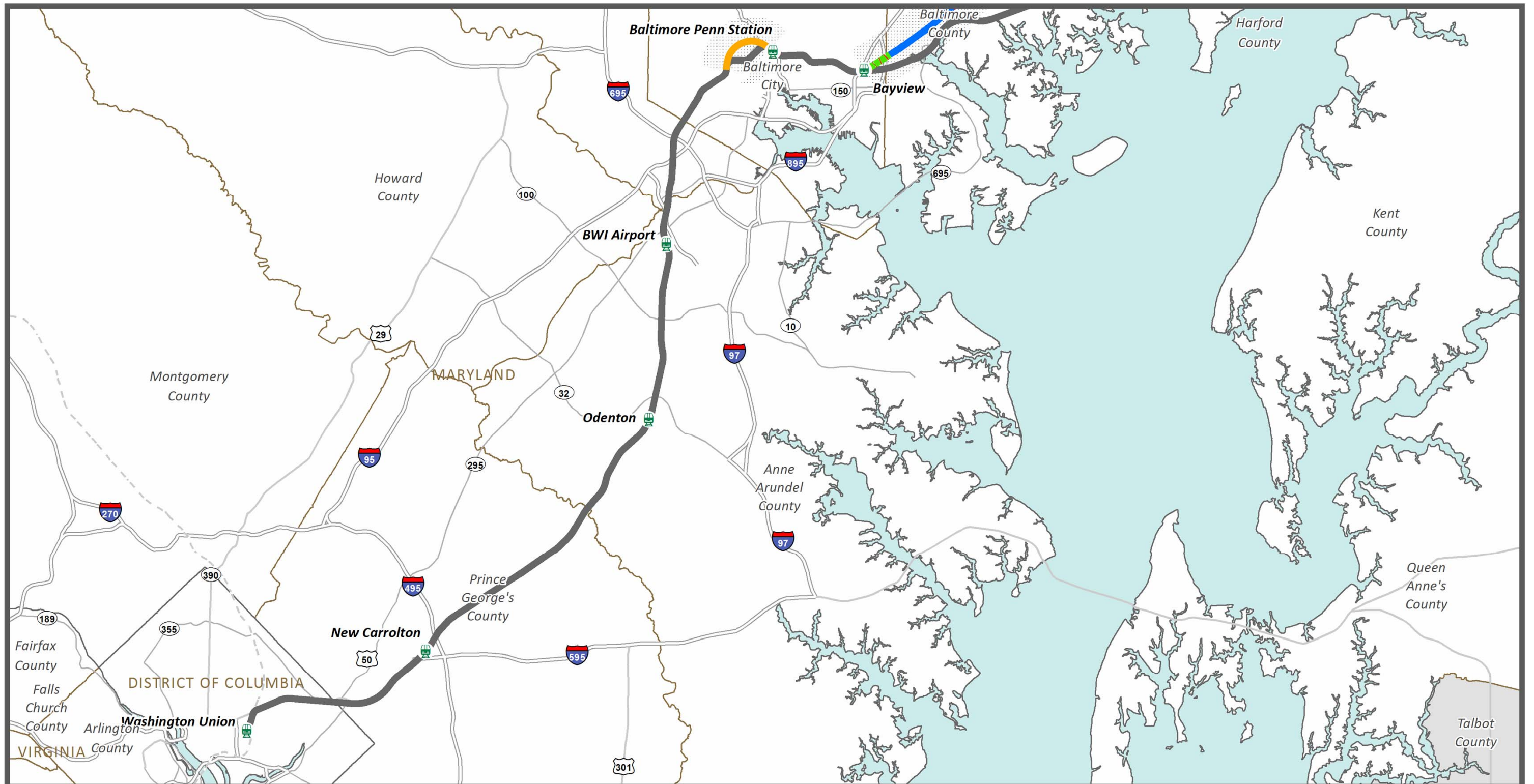
Part 2 – New Segments of the Preferred Alternative



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Construction Type		Major Hub and Hub Station		Interstate Highway	
	Tunnel		Major Hub and Hub Station		Interstate Highway
	Trench		National Passenger Rail Network		US Highway
	At-Grade		Existing NEC + Hartford/ Springfield Line		State/County Highway
	Embankment		Illustrative nature of New Segments		State Boundary
	Aerial Structure				County Boundary
	Major Bridge				

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

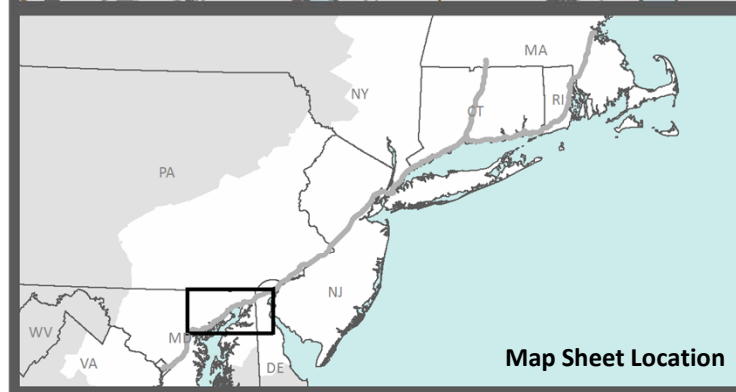
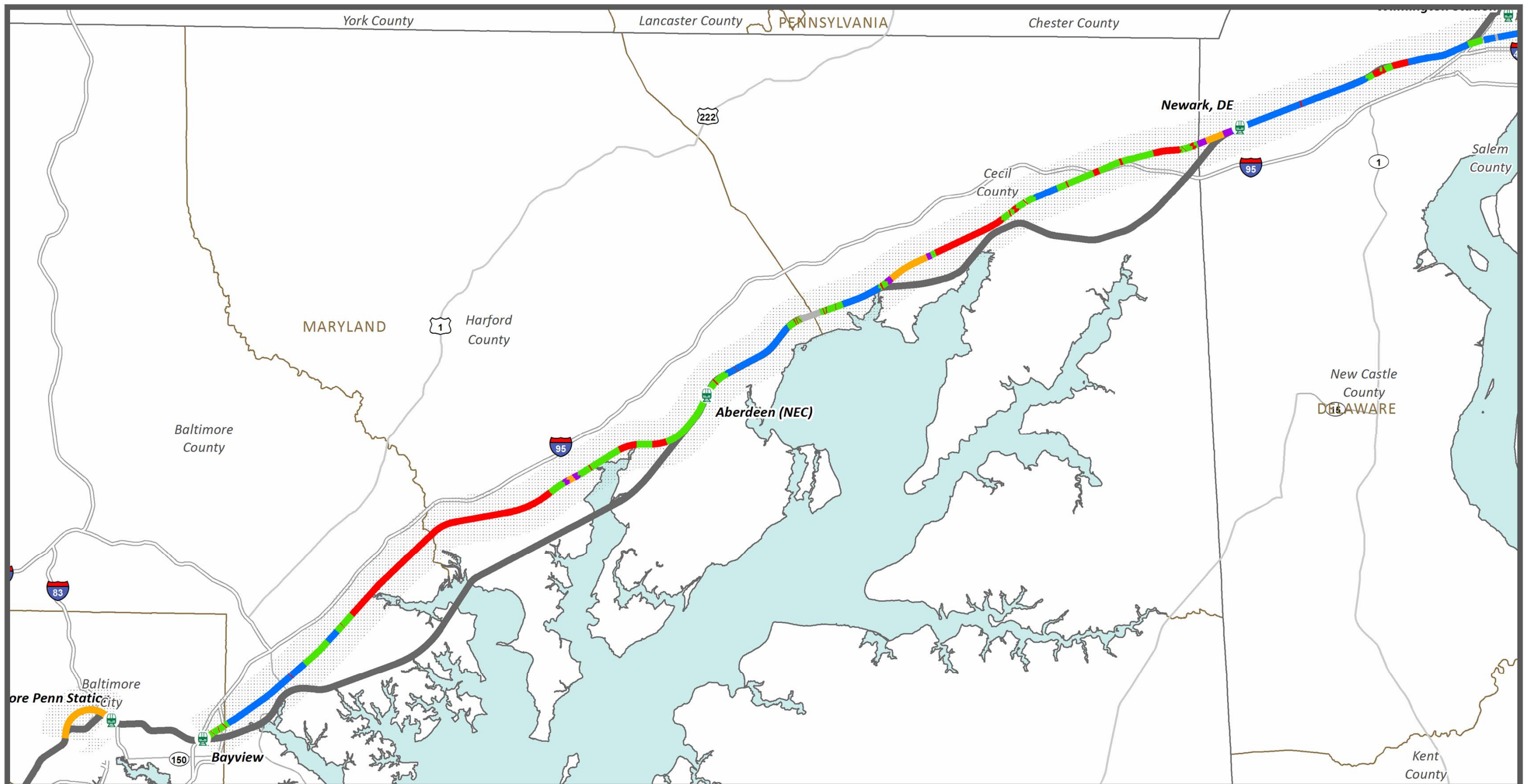
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Map Sheet #1

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Washington, D.C., Baltimore, MD



Construction Type		Major Hub and Hub Station		Interstate Highway	
Tunnel	Major Hub and Hub Station	Interstate Highway	US Highway	National Passenger Rail Network	State/County Highway
Trench	National Passenger Rail Network	US Highway	State/County Highway	Existing NEC + Hartford/ Springfield Line	State Boundary
At-Grade	Existing NEC + Hartford/ Springfield Line	State/County Highway	State Boundary	Illustrative nature of New Segments	County Boundary
Embankment	Illustrative nature of New Segments	State Boundary	County Boundary		
Aerial Structure					
Major Bridge					

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

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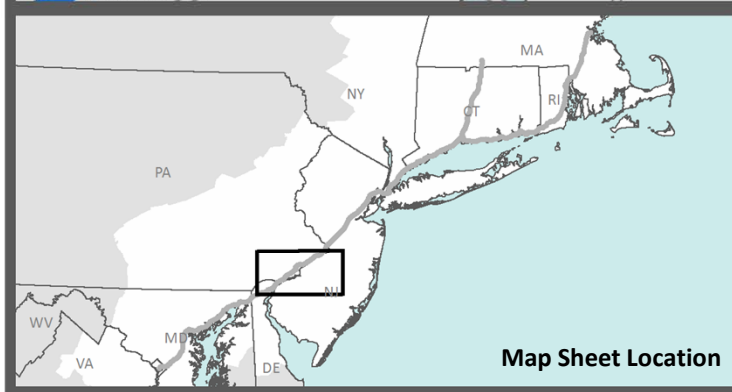
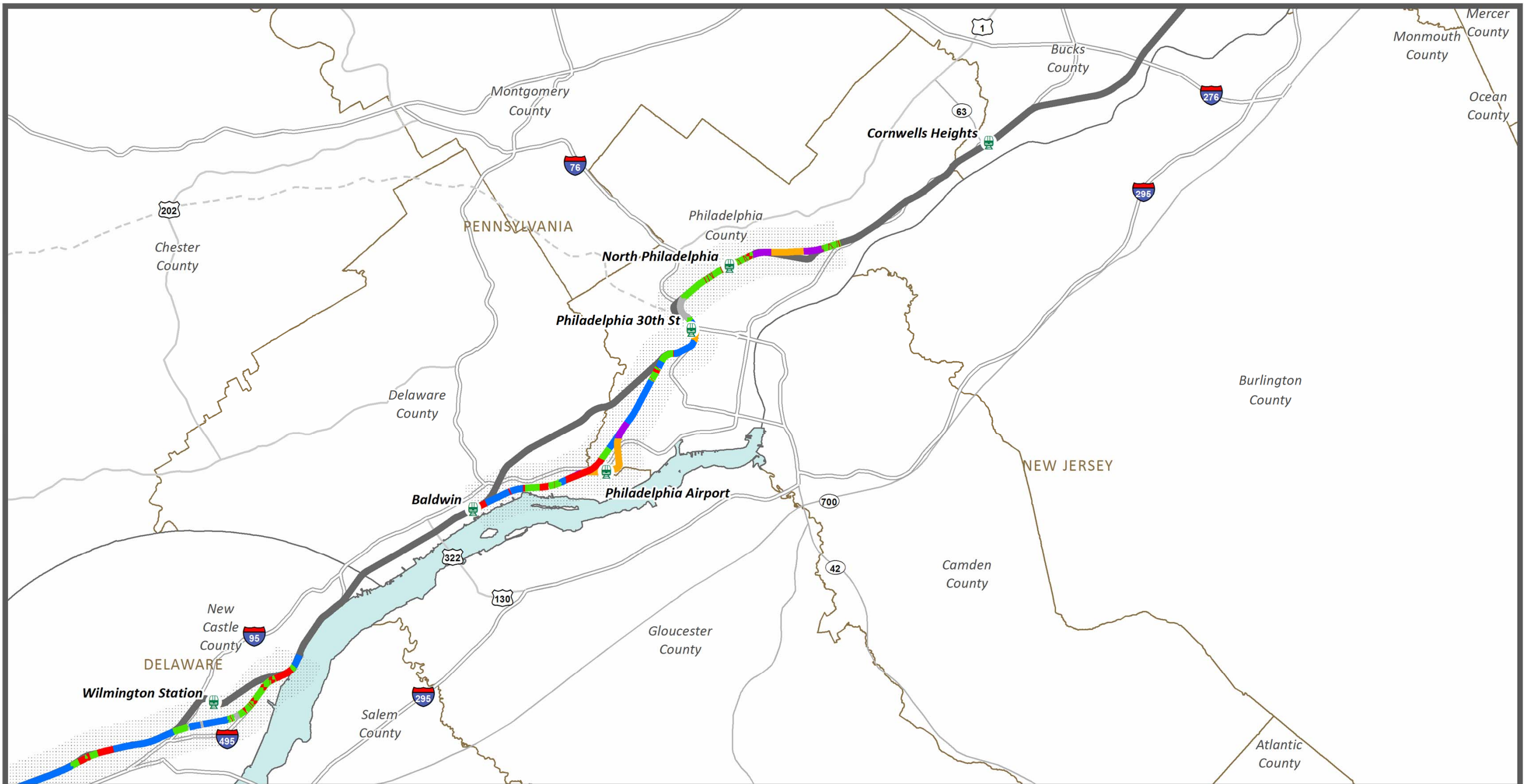
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Map Sheet #2

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Baltimore, Aberdeen, MD; Newark, DE



Construction Type		Major Hub and Hub Station	Interstate Highway
Tunnel	Trench	National Passenger Rail Network	US Highway
At-Grade	Embankment	Existing NEC + Hartford/ Springfield Line	State/County Highway
Aerial Structure	Major Bridge	Illustrative nature of New Segments	State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

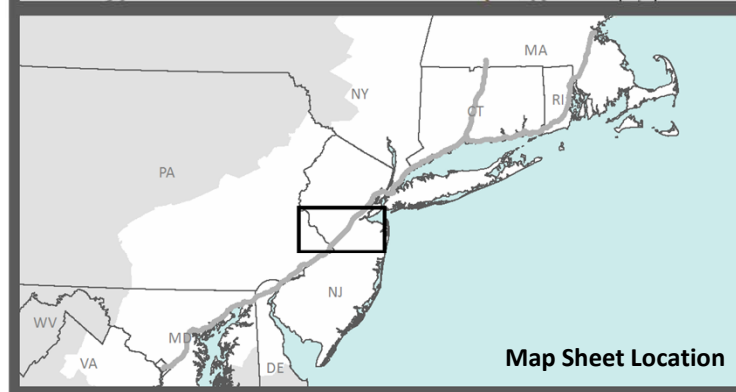
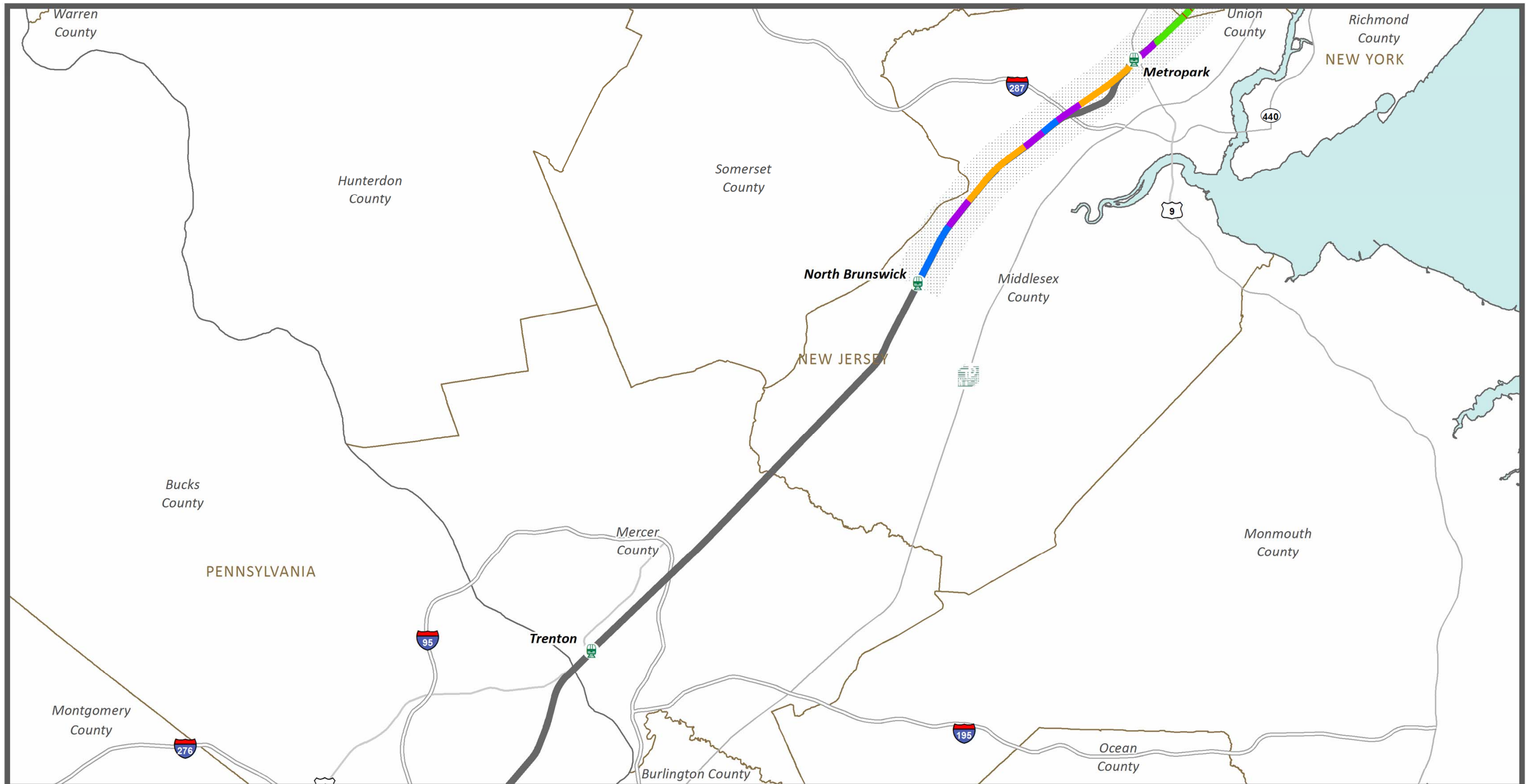
U.S. Department of Transportation
Federal Railroad Administration

Map Sheet #3

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Baltimore, Aberdeen, MD; Newark, DE



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Existing NEC + Hartford/ Springfield Line
	Embankment		Illustrative nature of New Segments
	Aerial Structure		Interstate Highway
	Major Bridge		US Highway
			State/County Highway
			State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

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Federal Railroad Administration

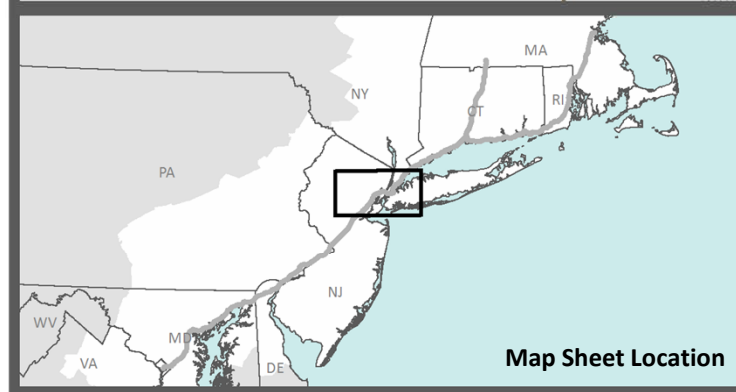
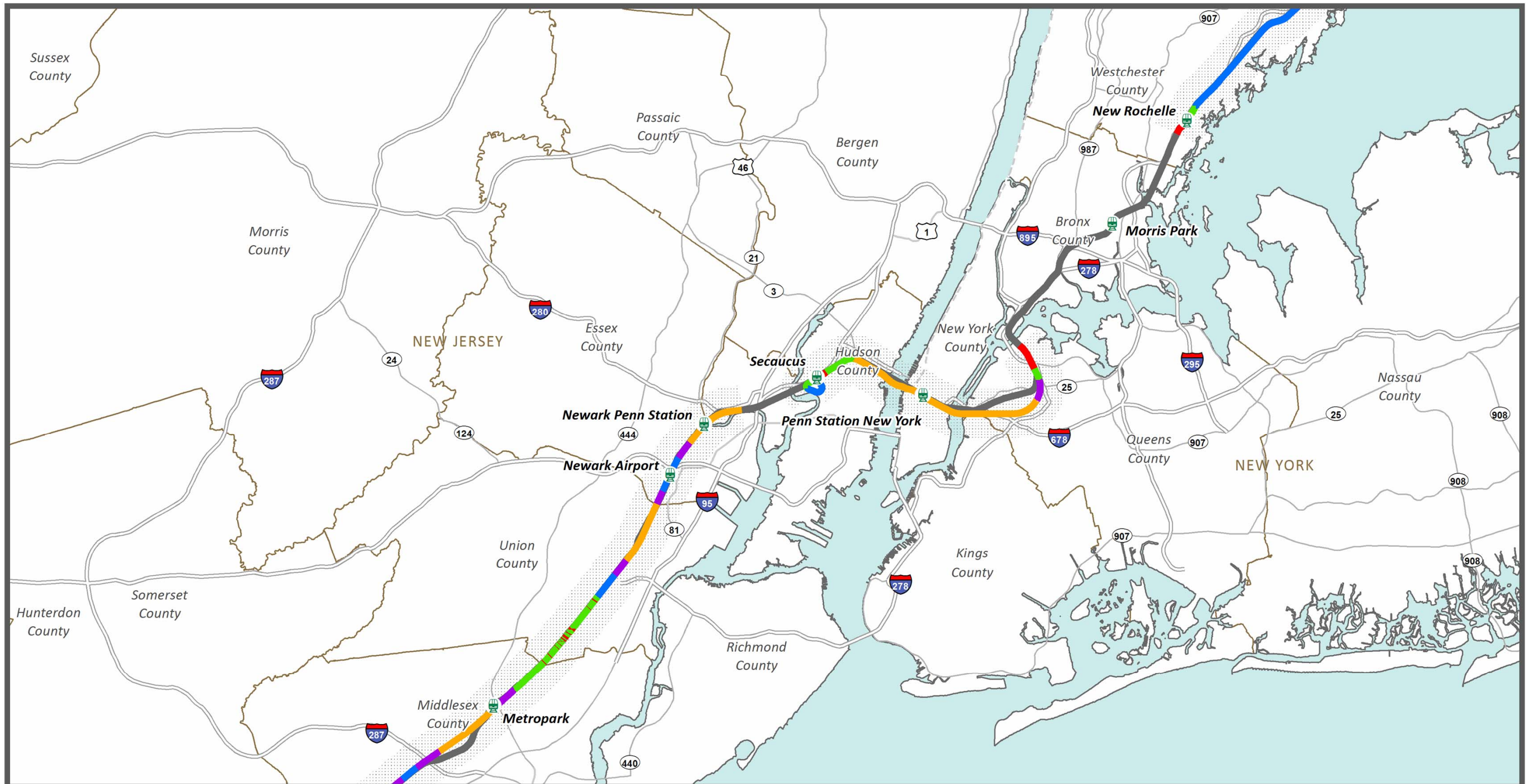
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Map Sheet #4

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Trenton, NJ, North Brunswick, Metropark (Iselin, NJ)



Construction Type		Major Hub and Hub Station		Interstate Highway	
	Tunnel		Major Hub and Hub Station		Interstate Highway
	Trench		National Passenger Rail Network		US Highway
	At-Grade		Existing NEC + Hartford/ Springfield Line		State/County Highway
	Embankment		Illustrative nature of New Segments		State Boundary
	Aerial Structure				County Boundary
	Major Bridge				

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

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Federal Railroad Administration

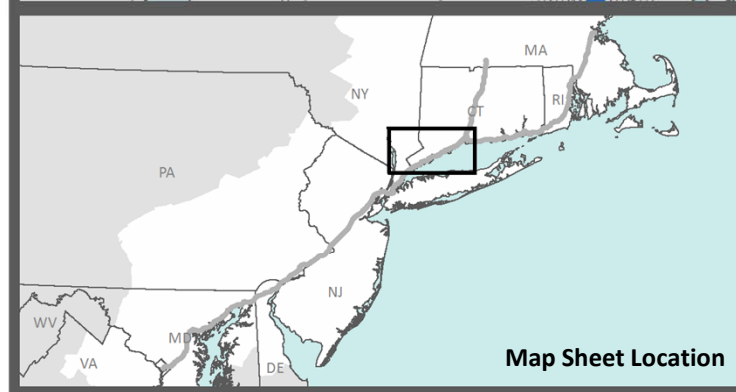
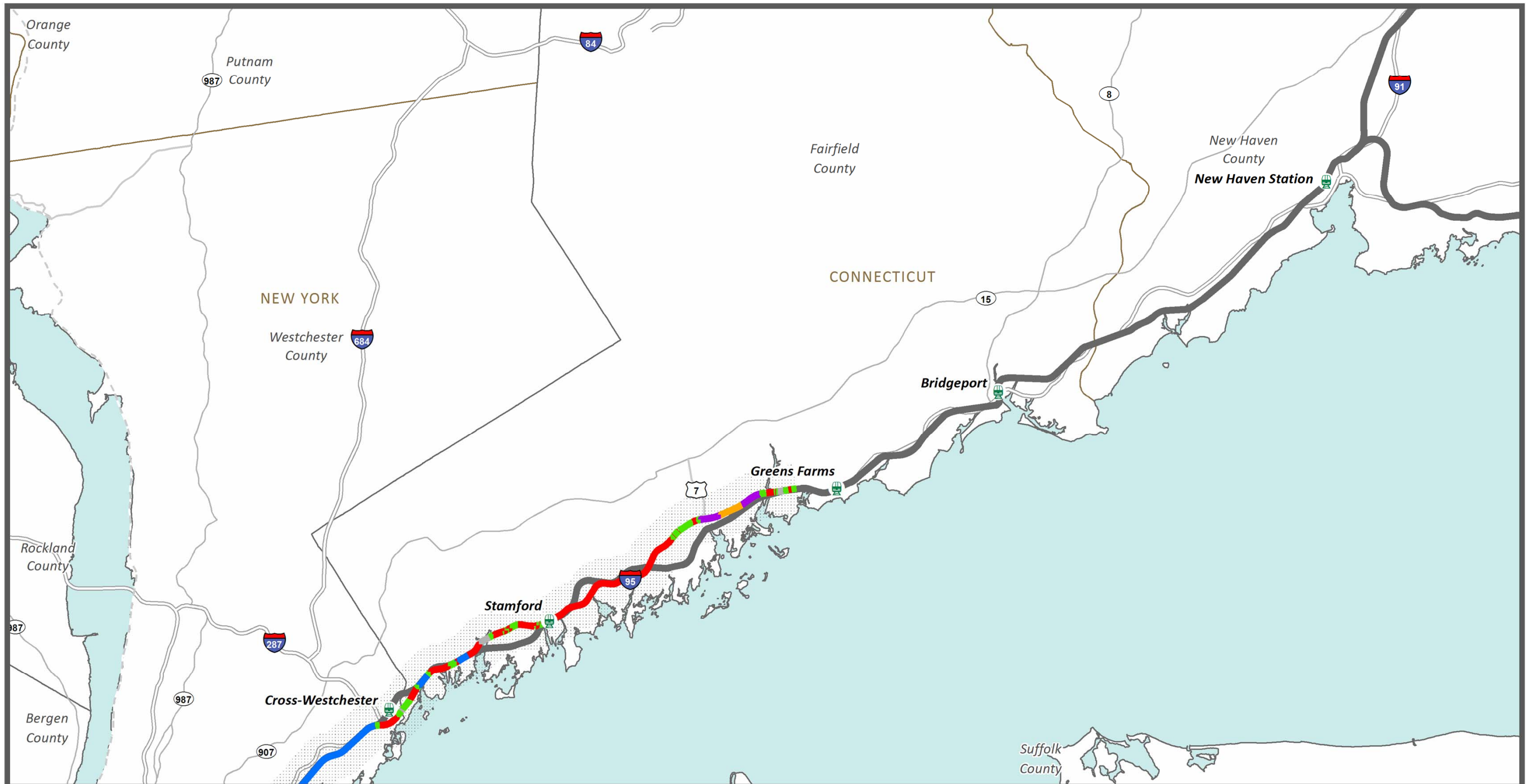
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Map Sheet #5

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Metropark (Iselin, NJ), Newark, NJ; New York City



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Existing NEC + Hartford/ Springfield Line
	Embankment		Illustrative nature of New Segments
	Aerial Structure		Interstate Highway
	Major Bridge		US Highway
			State/County Highway
			State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

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Federal Railroad Administration

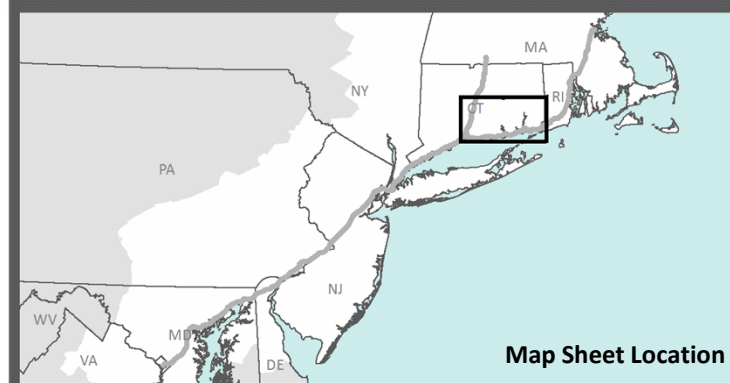
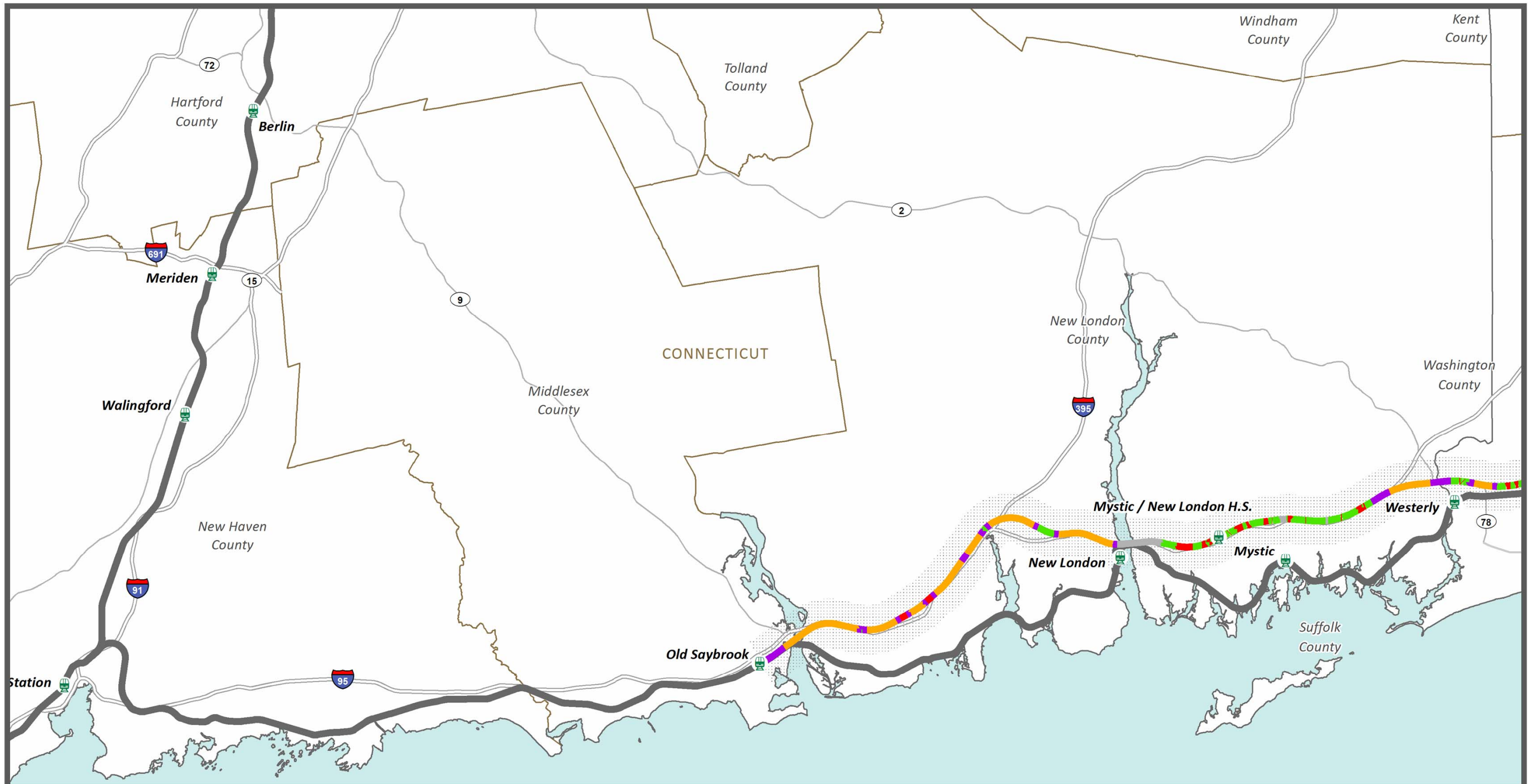
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Map Sheet #6

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Westchester County, NY; Stamford, New Haven, CT



Construction Type		Major Hub and Hub Station		Interstate Highway	
	Tunnel		Major Hub and Hub Station		Interstate Highway
	Trench		National Passenger Rail Network		US Highway
	At-Grade		Existing NEC + Hartford/ Springfield Line		State/County Highway
	Embankment		Illustrative nature of New Segments		State Boundary
	Aerial Structure				County Boundary
	Major Bridge				

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

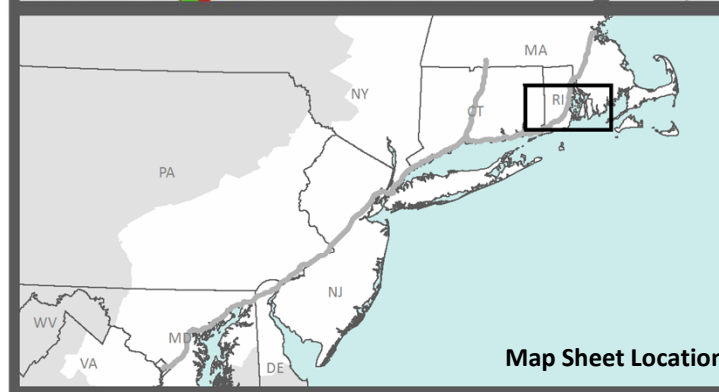
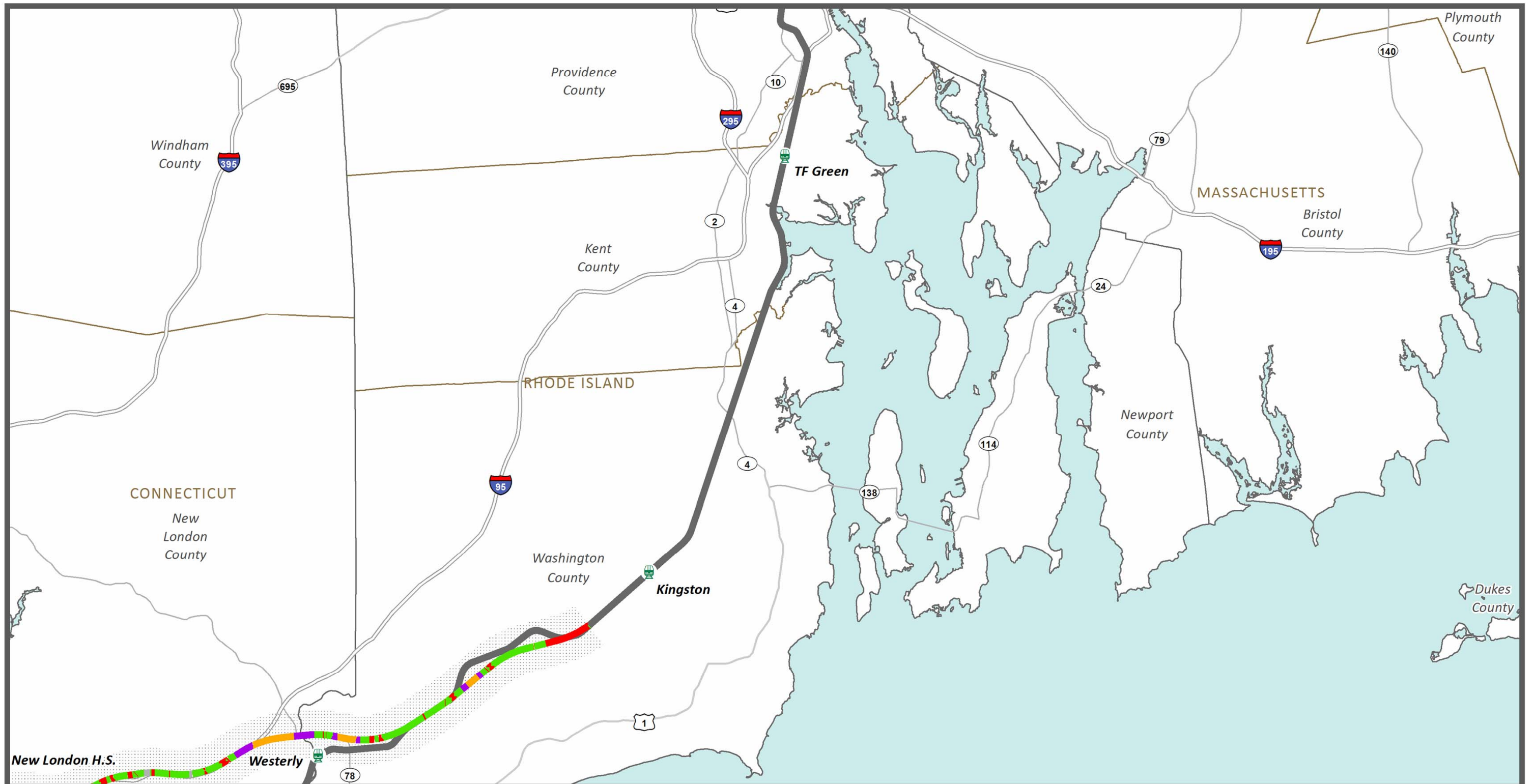
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Map Sheet #7

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

New Haven, Old Saybrook, CT; Westerly, RI



Construction Type		Major Hub and Hub Station	Interstate Highway
Tunnel	Trench	National Passenger Rail Network	US Highway
At-Grade	Embankment	Existing NEC + Hartford/ Springfield Line	State/County Highway
Aerial Structure	Major Bridge	Illustrative nature of New Segments	State Boundary
		County Boundary	

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

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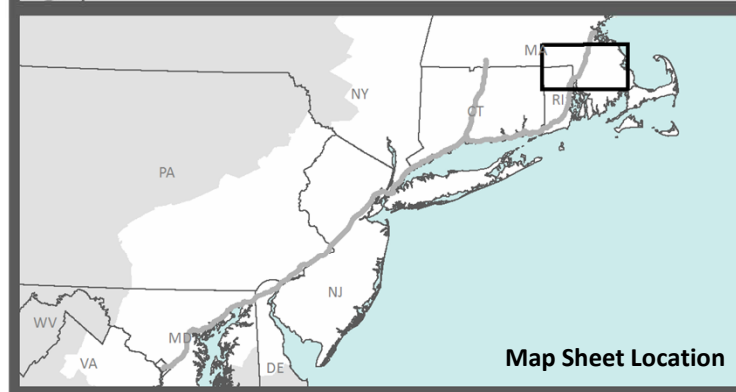
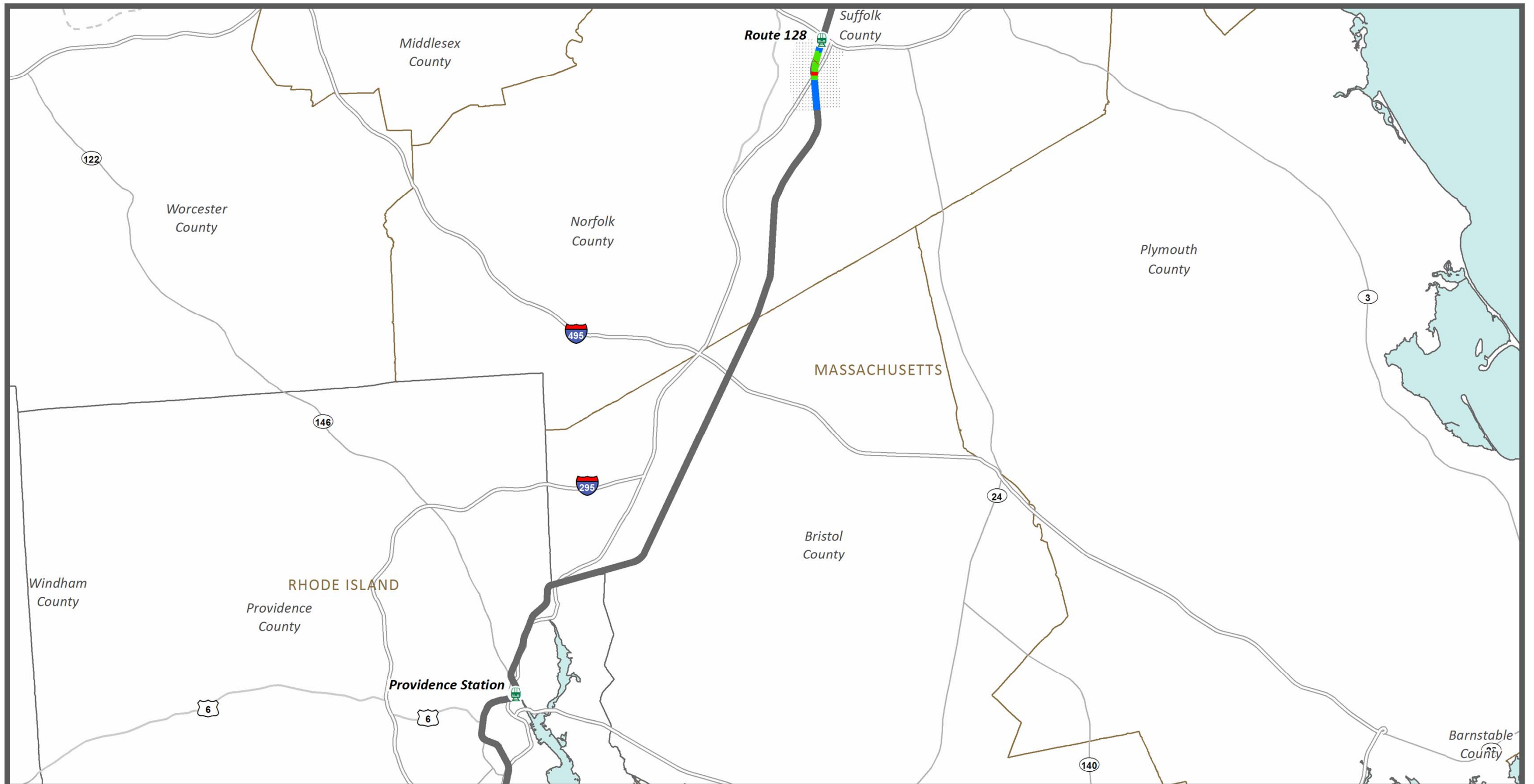
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Map Sheet #8

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Westerly, Kingston, RI



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Existing NEC + Hartford/ Springfield Line
	Embankment		Illustrative nature of New Segments
	Aerial Structure		Interstate Highway
	Major Bridge		US Highway
			State/County Highway
			State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

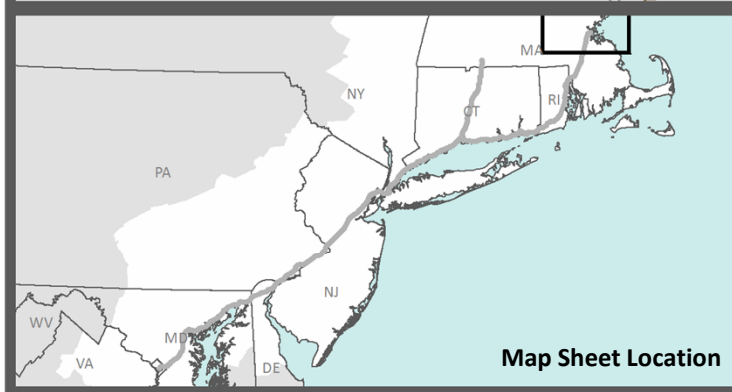
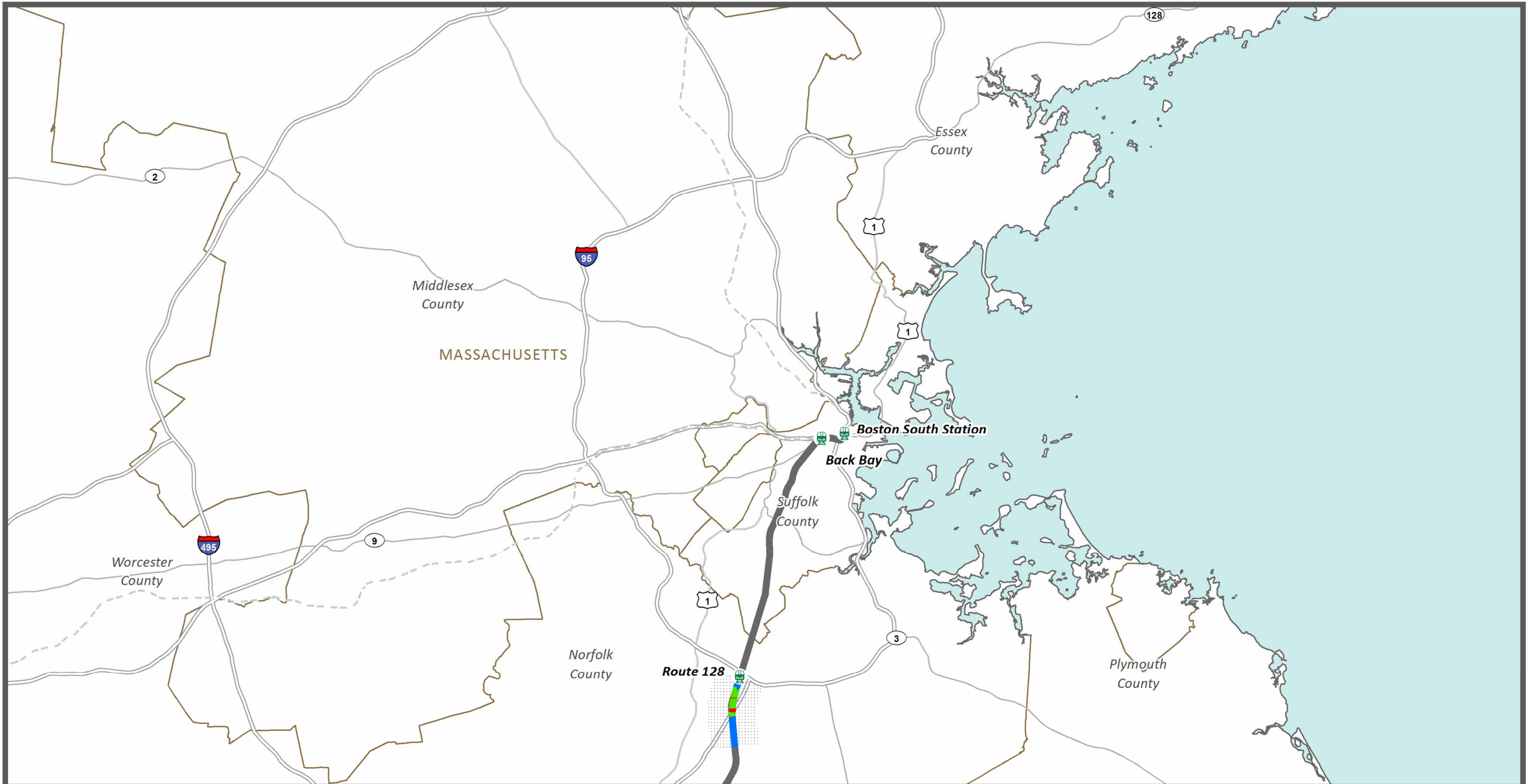
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Map Sheet #9

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Providence, RI; Dedham, MA



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Existing NEC + Hartford/ Springfield Line
	Embankment		Illustrative nature of New Segments
	Aerial Structure		Interstate Highway
	Major Bridge		US Highway
			State/County Highway
			State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

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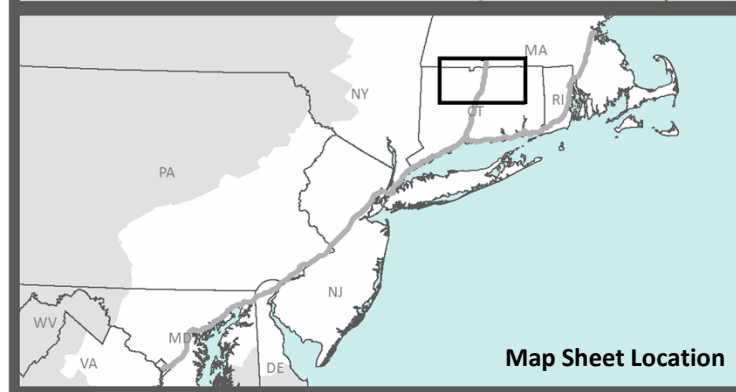
NEC FUTURE

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Dedham, Boston, MA

Map Sheet #10



Construction Type		Other Features	
	Tunnel		Major Hub and Hub Station
	Trench		National Passenger Rail Network
	At-Grade		Existing NEC + Hartford/ Springfield Line
	Embankment		Illustrative nature of New Segments
	Aerial Structure		Interstate Highway
	Major Bridge		US Highway
			State/County Highway
			State Boundary
			County Boundary

The location and construction type shown for new segments is illustrative and represents the information used to analyze effects of the new segment as part of the Tier 1 EIS process; the location and construction type of new segments will be determined in Tier 2 project studies.

Source of Data: NEC FUTURE, 2016

U.S. Department of Transportation
Federal Railroad Administration

0 2 4 Mile

Map Sheet #11

REPRESENTATIVE ROUTE

Representative Construction Type:
New Segments

Hartford, CT; Springfield, MA