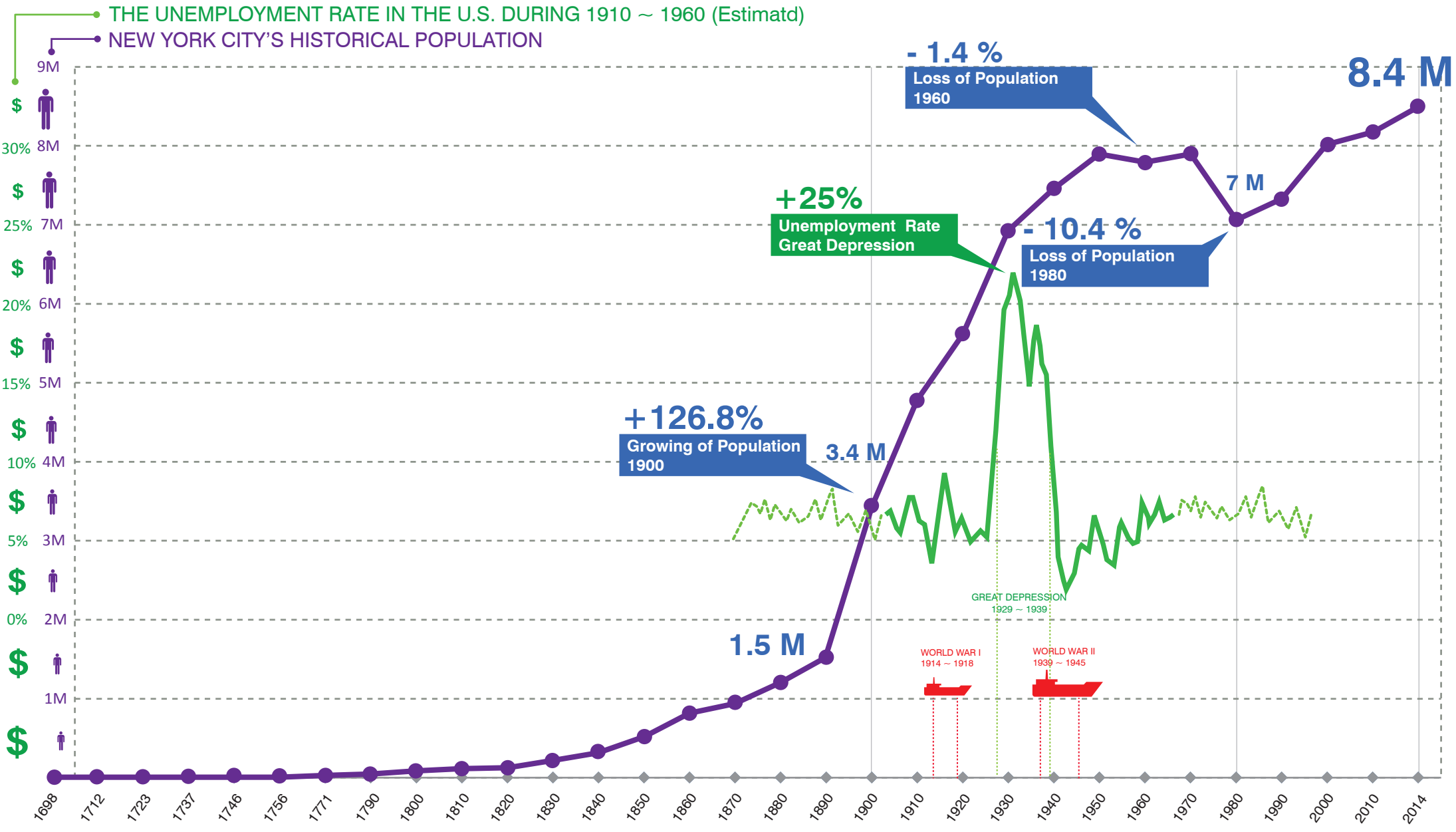


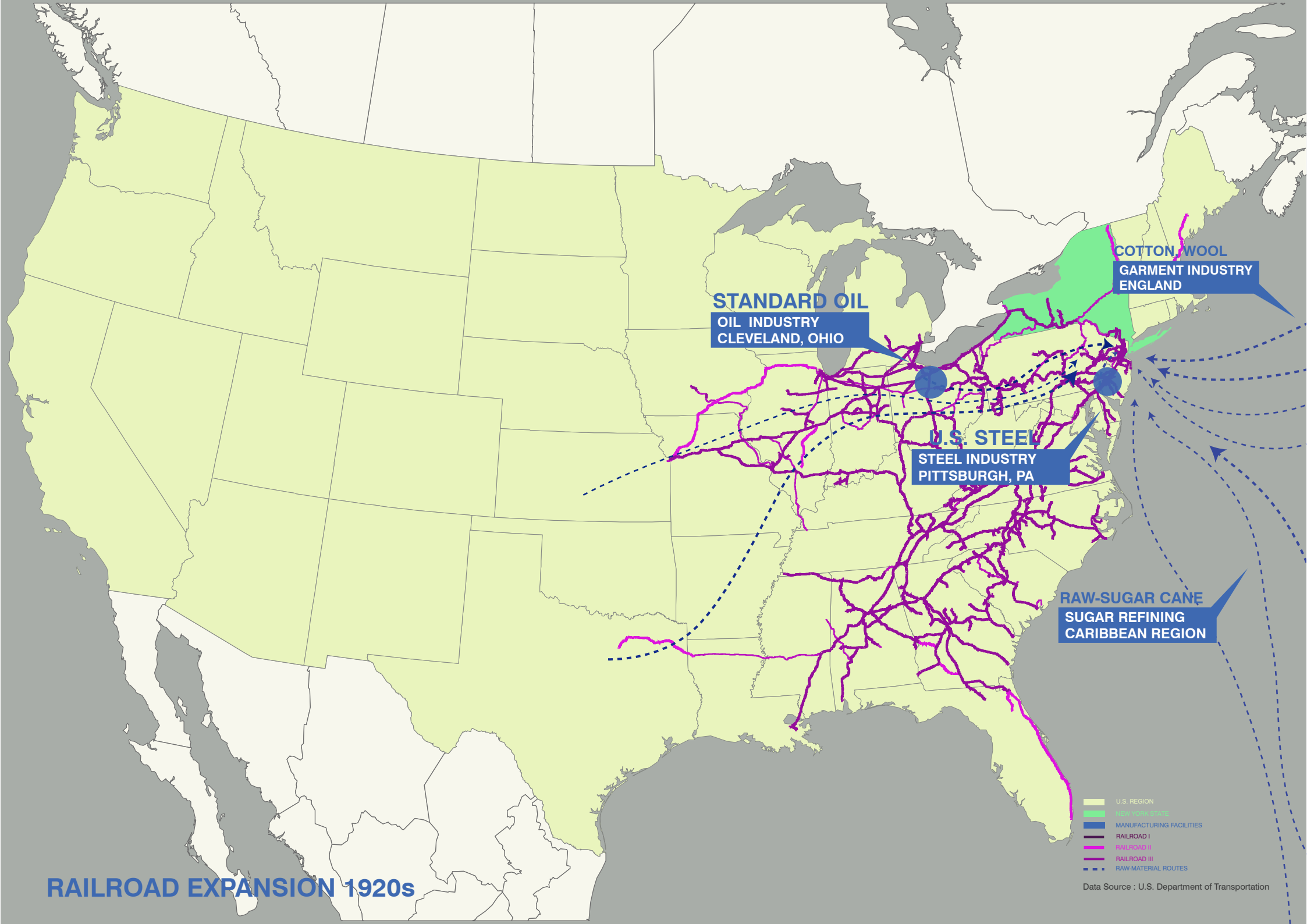
# Reimagining New York City's Underutilized Building Stock and Infrastructure

8th Conference of the  
International Forum Urbanism

Catherine Park



Data Sources: United State Census Bureau. Retrieved March 30, 2015



**STANDARD OIL**  
OIL INDUSTRY  
CLEVELAND, OHIO

**U.S. STEEL**  
STEEL INDUSTRY  
PITTSBURGH, PA

**COTTON, WOOL**  
GARMENT INDUSTRY  
ENGLAND

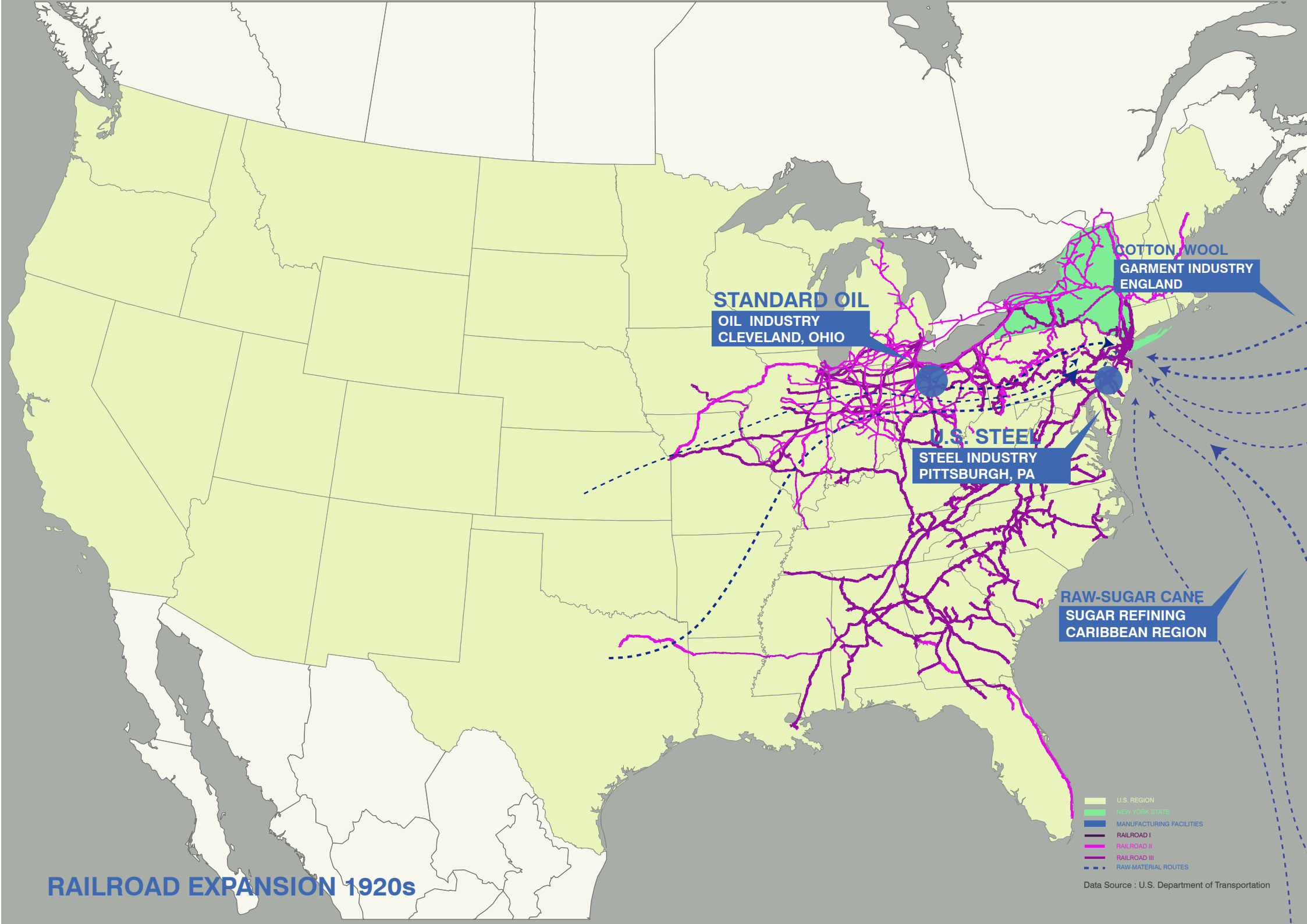
**RAW-SUGAR CANE**  
SUGAR REFINING  
CARIBBEAN REGION

**RAILROAD EXPANSION 1920s**

- U.S. REGION
- RAW-MATERIAL SOURCE
- MANUFACTURING FACILITIES
- RAILROAD I
- RAILROAD II
- RAILROAD III
- RAW-MATERIAL ROUTES

Data Source : U.S. Department of Transportation

# RAILROAD EXPANSION 1920s



**STANDARD OIL**  
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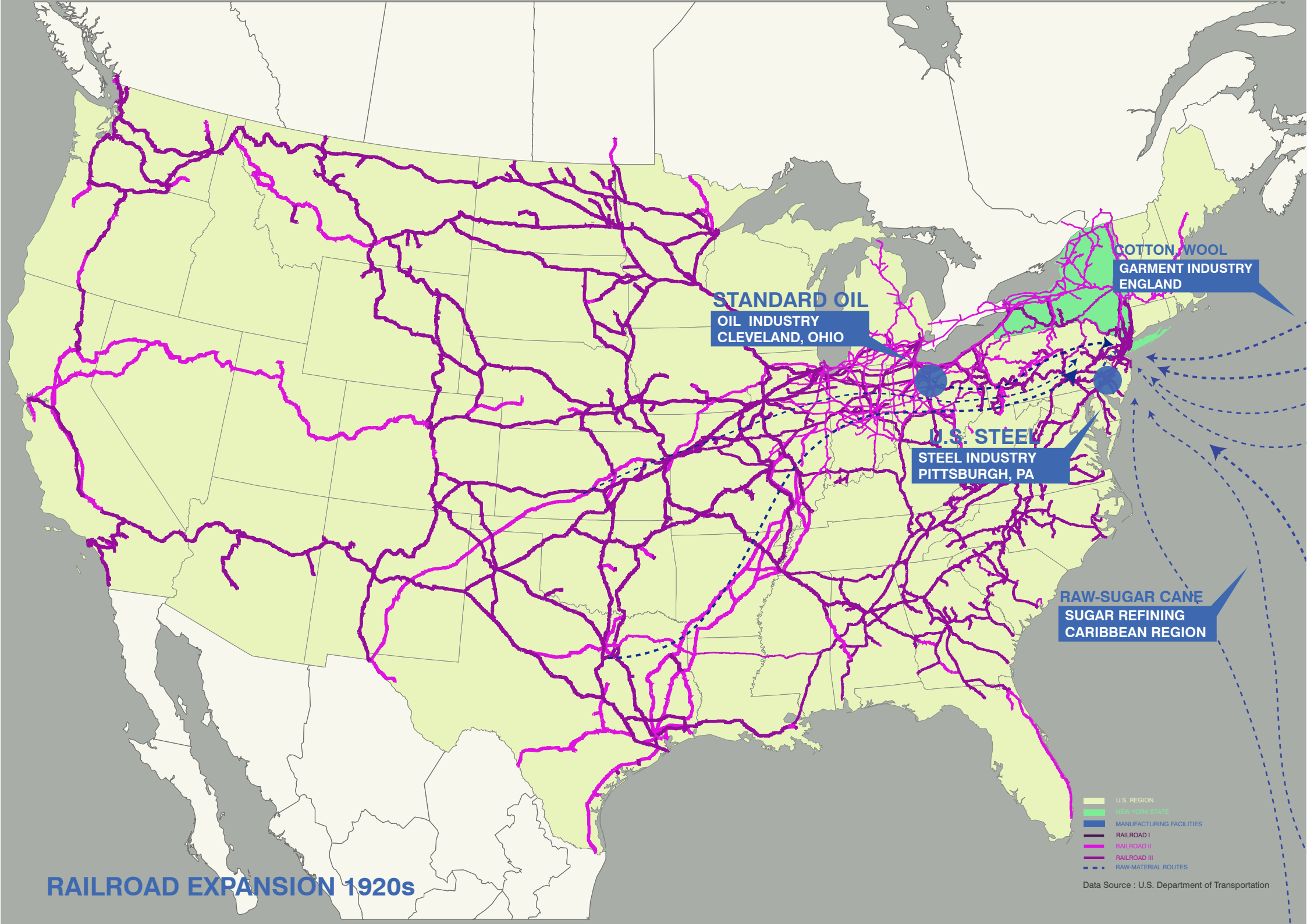
**RAW-SUGAR CANE**  
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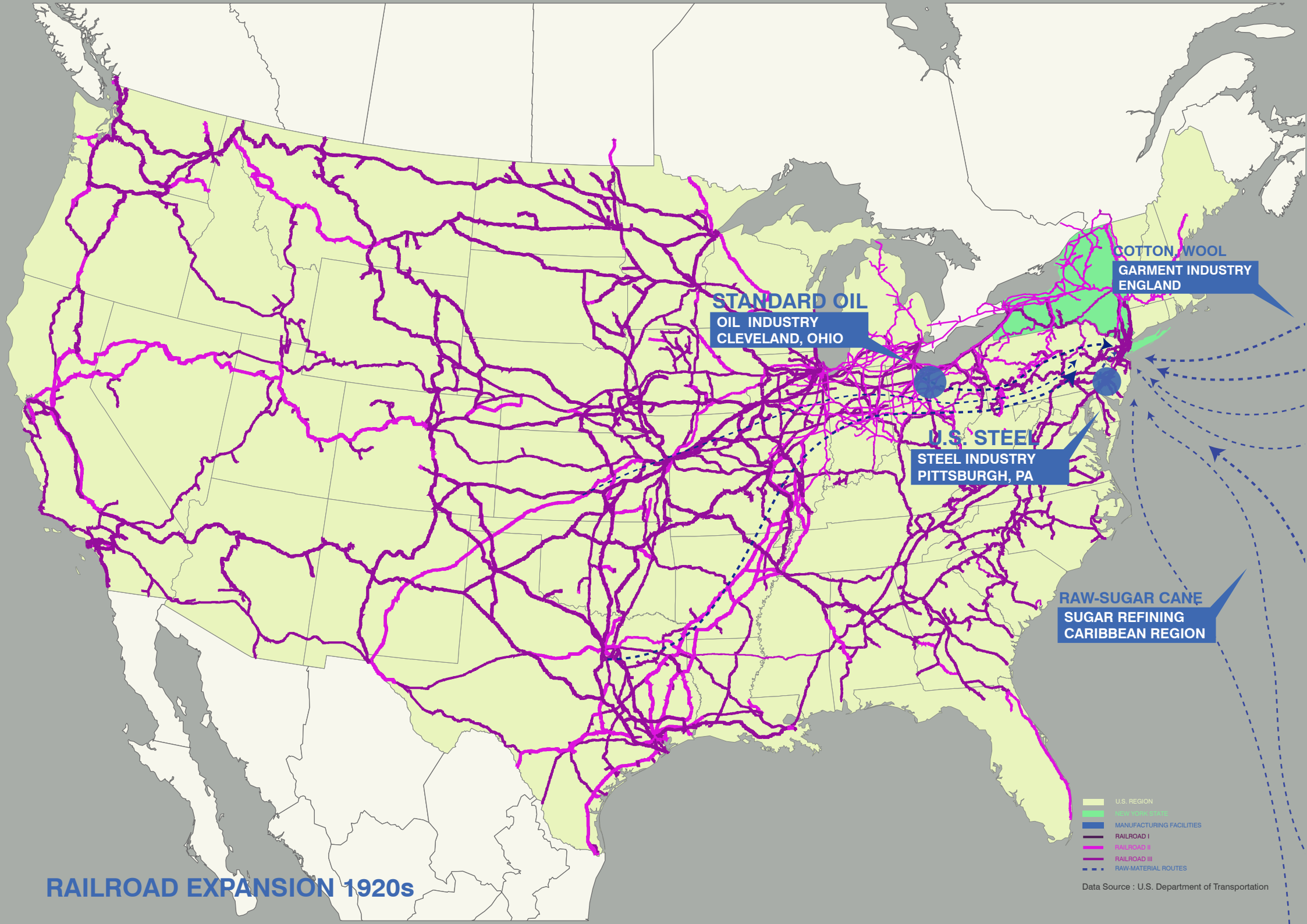
- U.S. REGION
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- RAILROAD II
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# RAILROAD EXPANSION 1920s





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CLEVELAND, OHIO

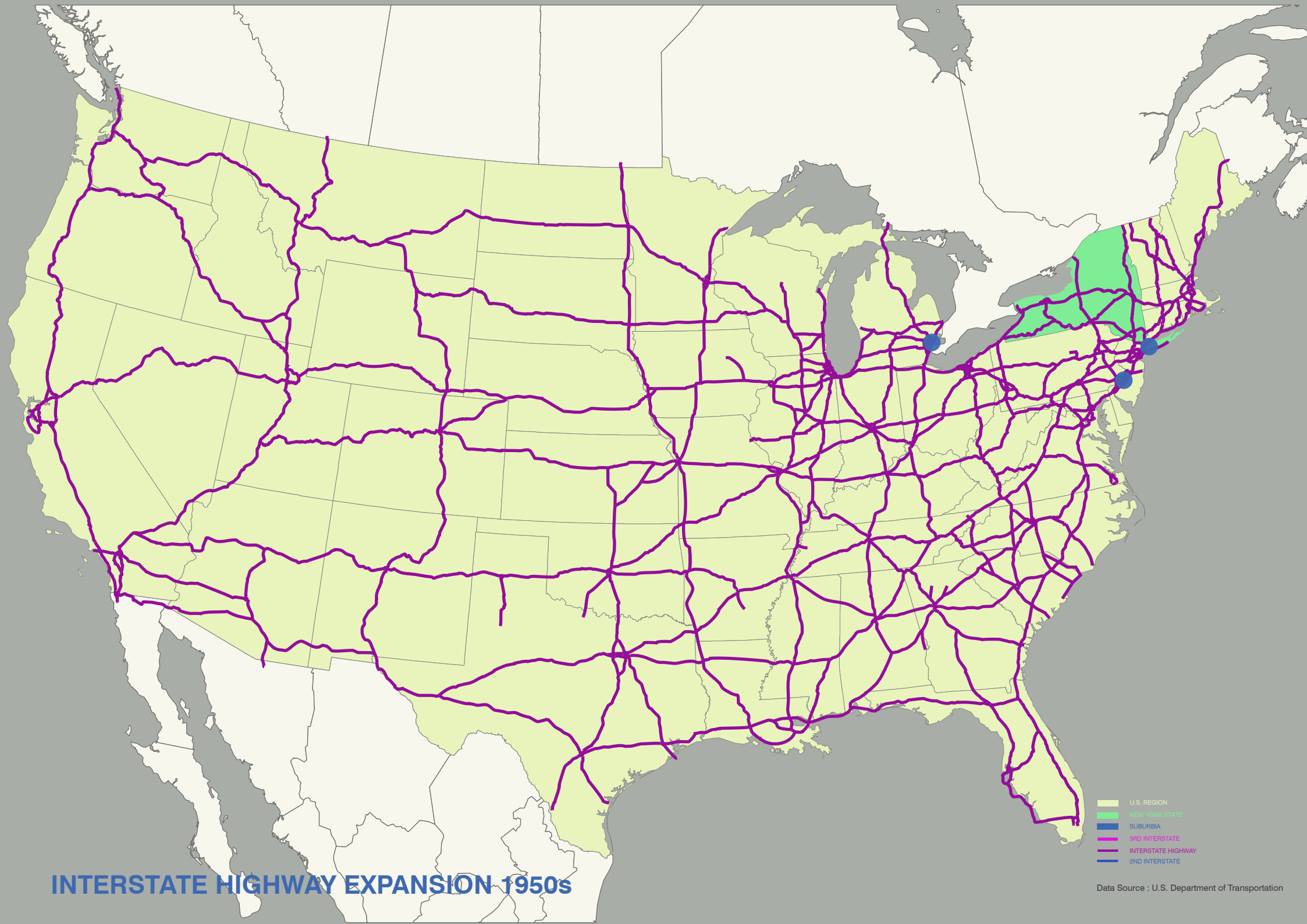
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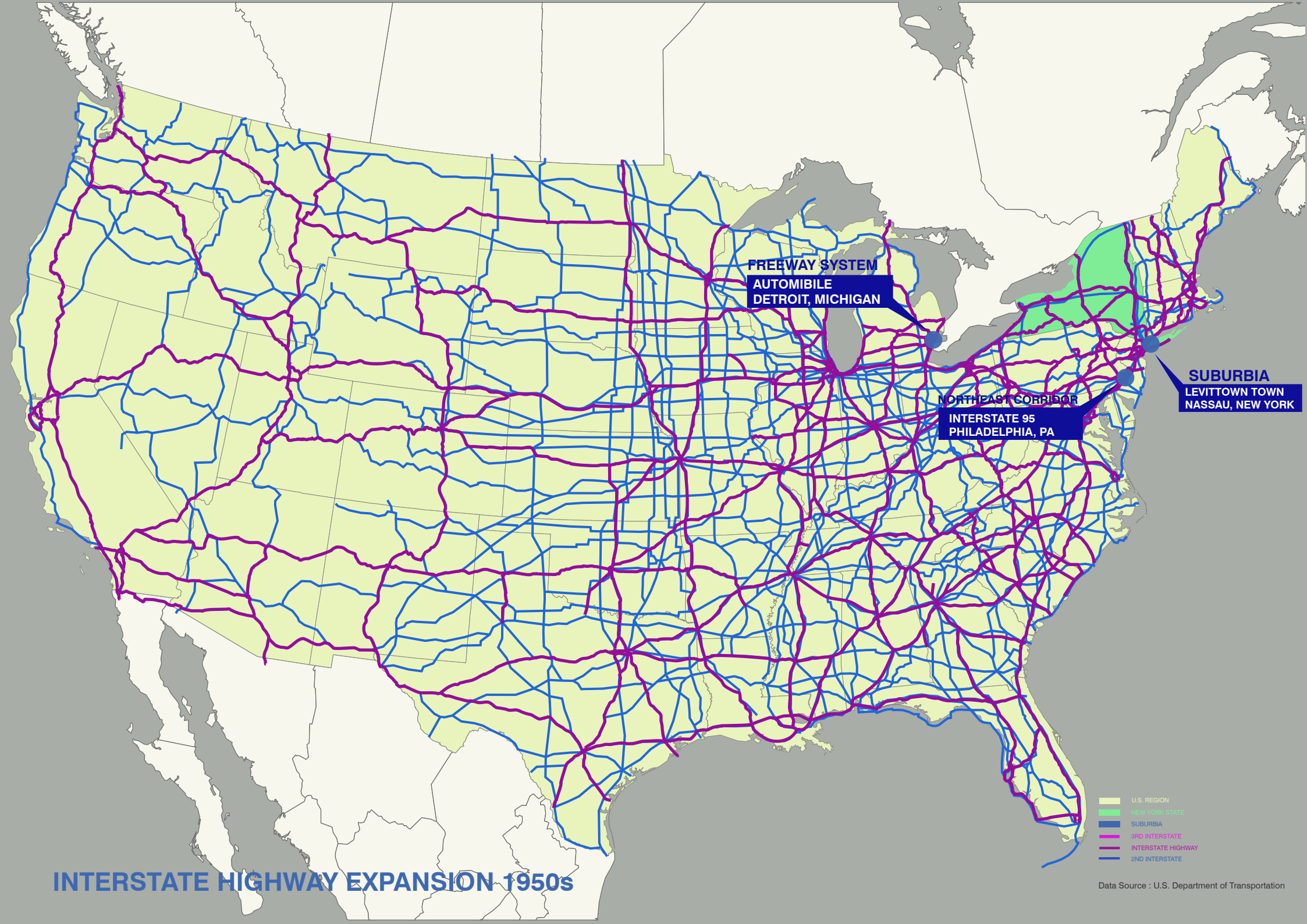
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- RAILROAD I
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- RAW-MATERIAL ROUTES

Data Source : U.S. Department of Transportation



# INTERSTATE HIGHWAY EXPANSION 1950s

Data Source : U.S. Department of Transportation



# INTERSTATE HIGHWAY EXPANSION 1950s

**FREEWAY SYSTEM**  
**AUTOMOBILE**  
**DETROIT, MICHIGAN**

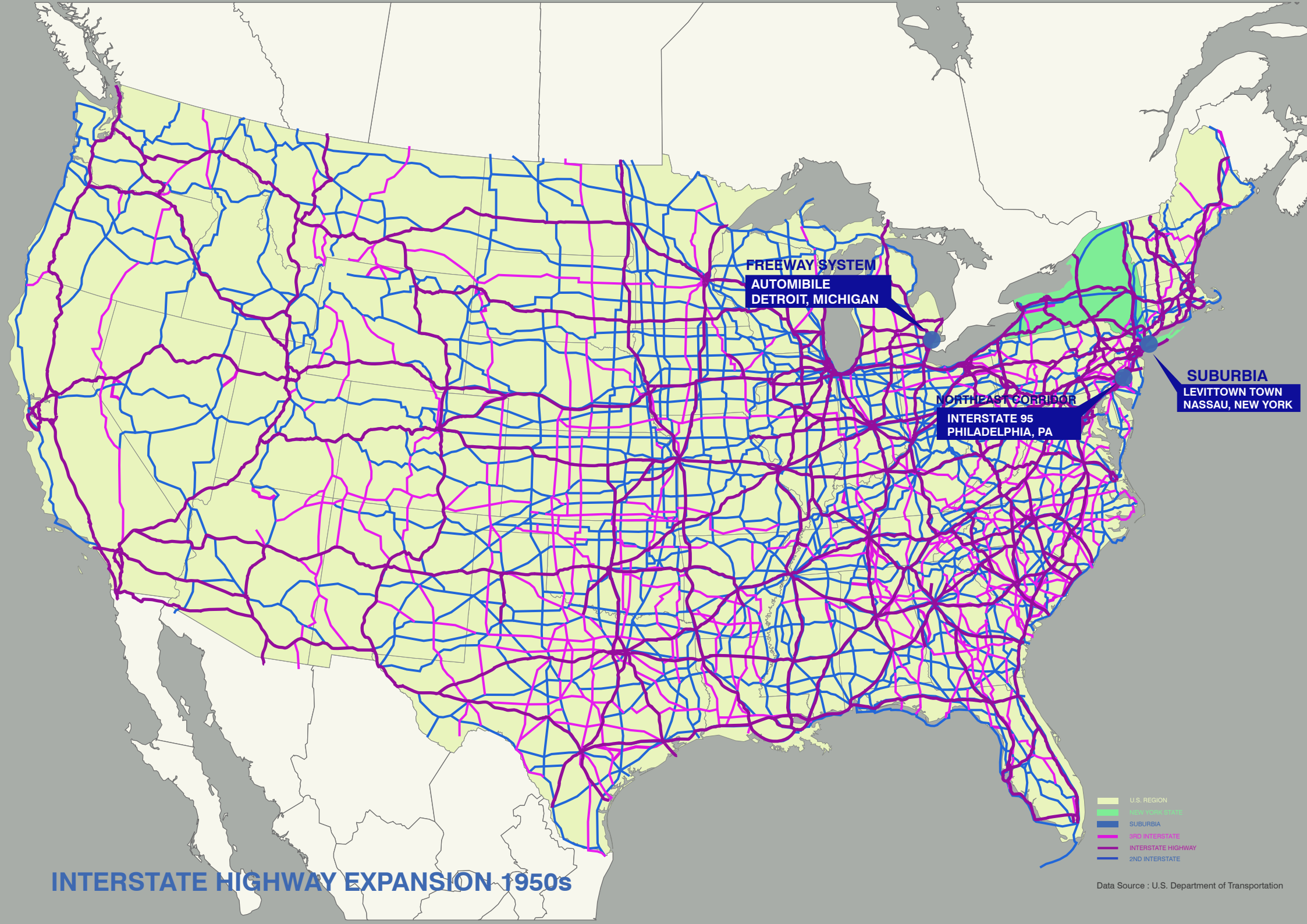
**NORTHEAST CORRIDOR**  
**INTERSTATE 95**  
**PHILADELPHIA, PA**

**SUBURBIA**  
**LEVITTOWN TOWN**  
**NASSAU, NEW YORK**

- U.S. REGION
- NEW YORK STATE
- SUBURBIA
- 3RD INTERSTATE
- INTERSTATE HIGHWAY
- 2ND INTERSTATE

Data Source : U.S. Department of Transportation





# INTERSTATE HIGHWAY EXPANSION 1950s

**FREEWAY SYSTEM**  
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**DETROIT, MICHIGAN**

**NORTHEAST CORRIDOR**  
**INTERSTATE 95**  
**PHILADELPHIA, PA**

**SUBURBIA**  
**LEVITTOWN TOWN**  
**NASSAU, NEW YORK**

- U.S. REGION
- NEW YORK STATE
- SUBURBIA
- 3RD INTERSTATE
- INTERSTATE HIGHWAY
- 2ND INTERSTATE

Data Source : U.S. Department of Transportation

**3.6%**

**Industrial / Manufacturing**  
**5,498 Acres**

- High Way Road
- Industrial / Manufacturing
- Open Space
- Transportation / Utility
- Vacant Lot
- No Data
- 5 Boroughs

**Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs**

**3.6%**

**Industrial / Manufacturing**  
5,498 Acres

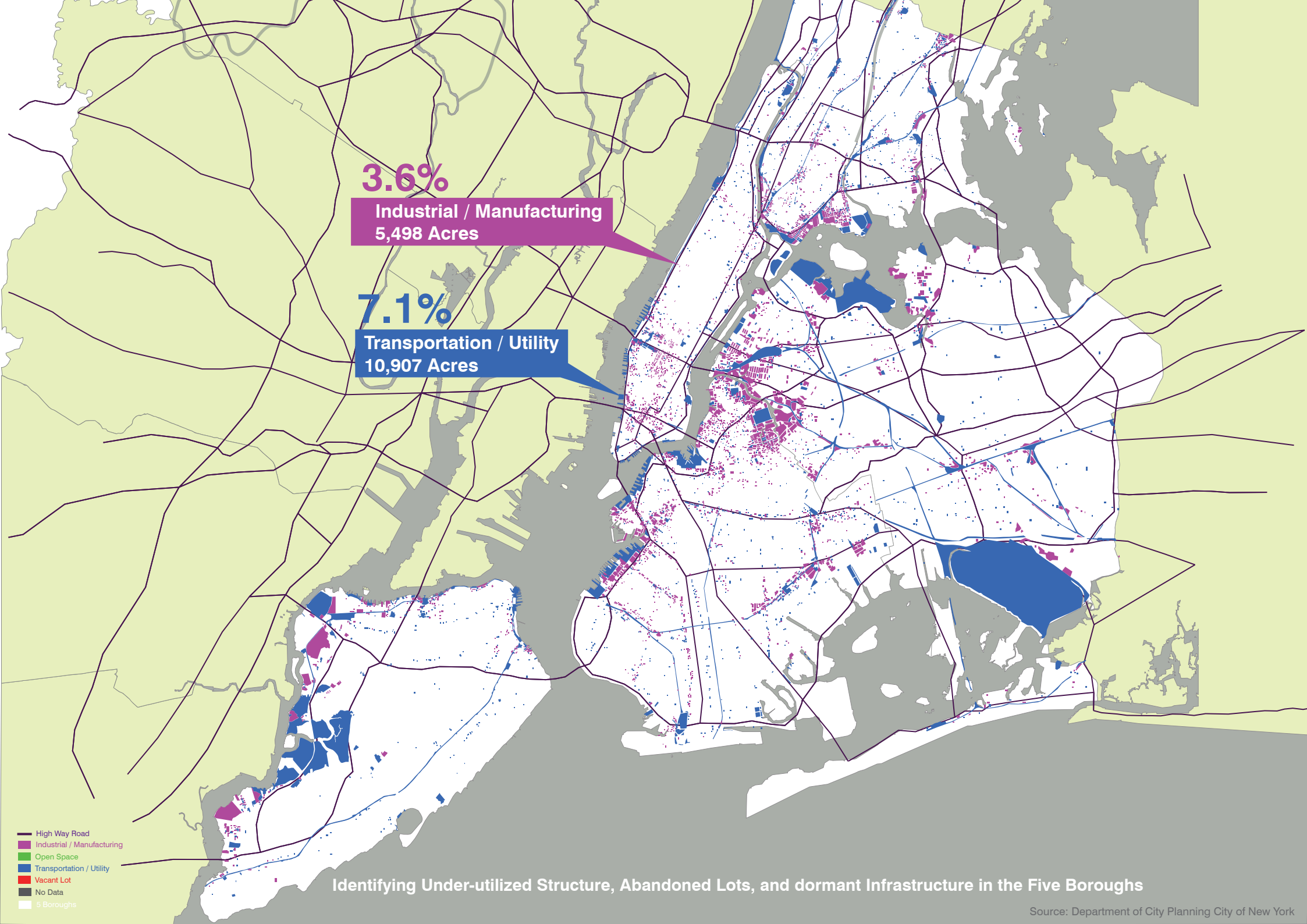
**7.1%**

**Transportation / Utility**  
10,907 Acres

- High Way Road
- Industrial / Manufacturing
- Open Space
- Transportation / Utility
- Vacant Lot
- No Data
- 5 Boroughs

Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs





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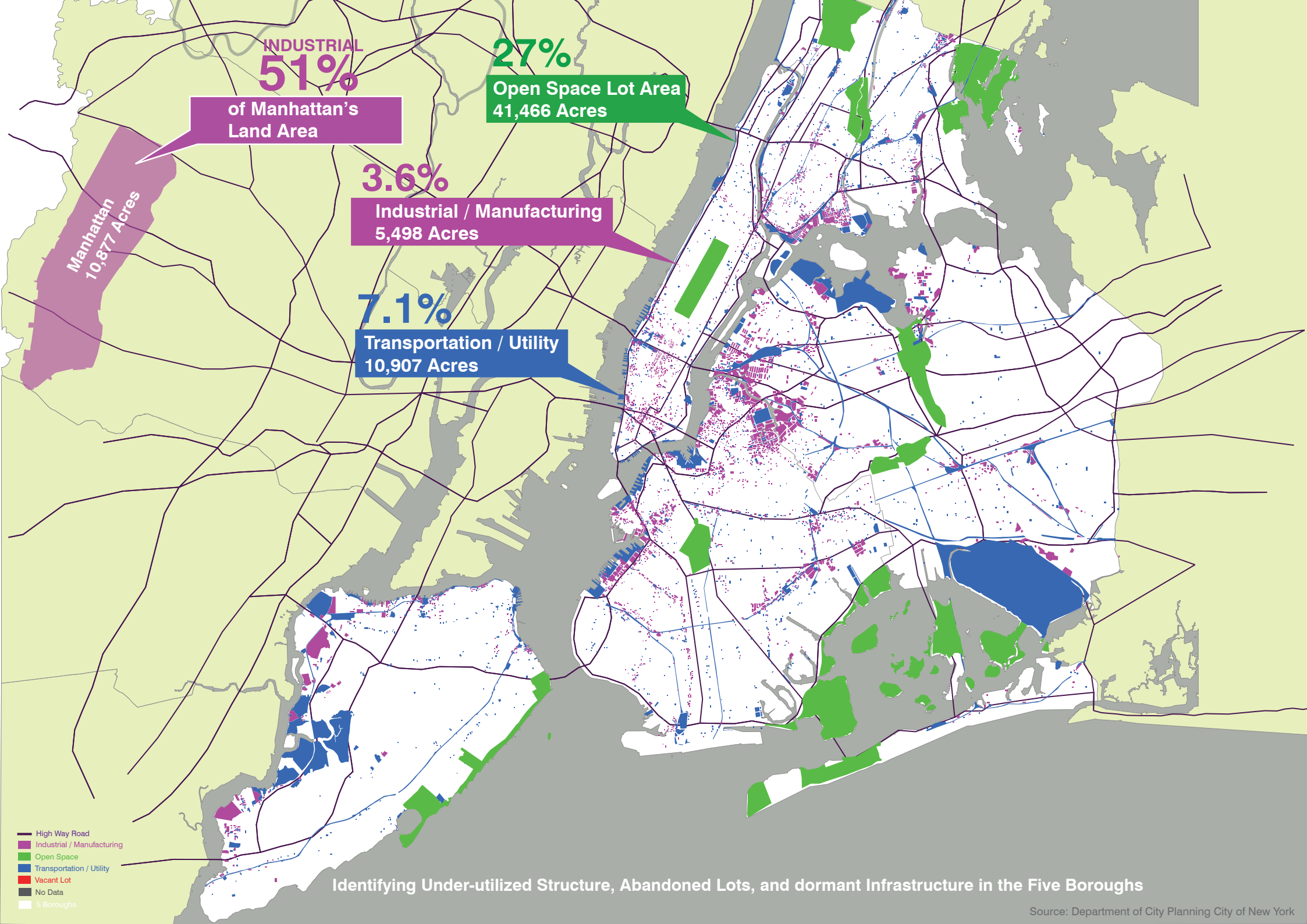
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- Vacant Lot
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- 5 Boroughs

Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs

Source: Department of City Planning City of New York



**INDUSTRIAL**  
**51%**

of Manhattan's  
Land Area

**27%**

Open Space Lot Area  
41,466 Acres

**3.6%**

Industrial / Manufacturing  
5,498 Acres

**7.1%**

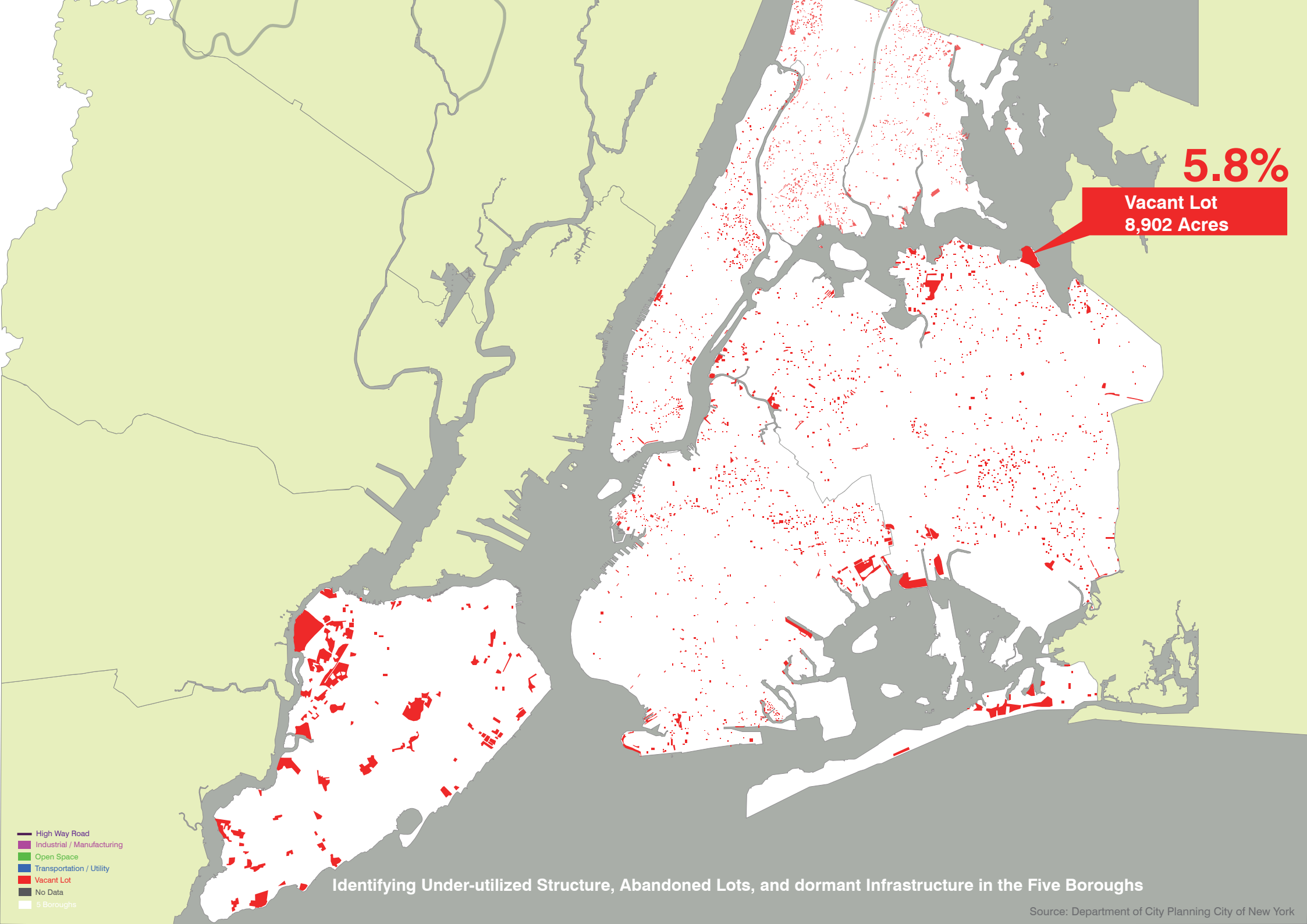
Transportation / Utility  
10,907 Acres

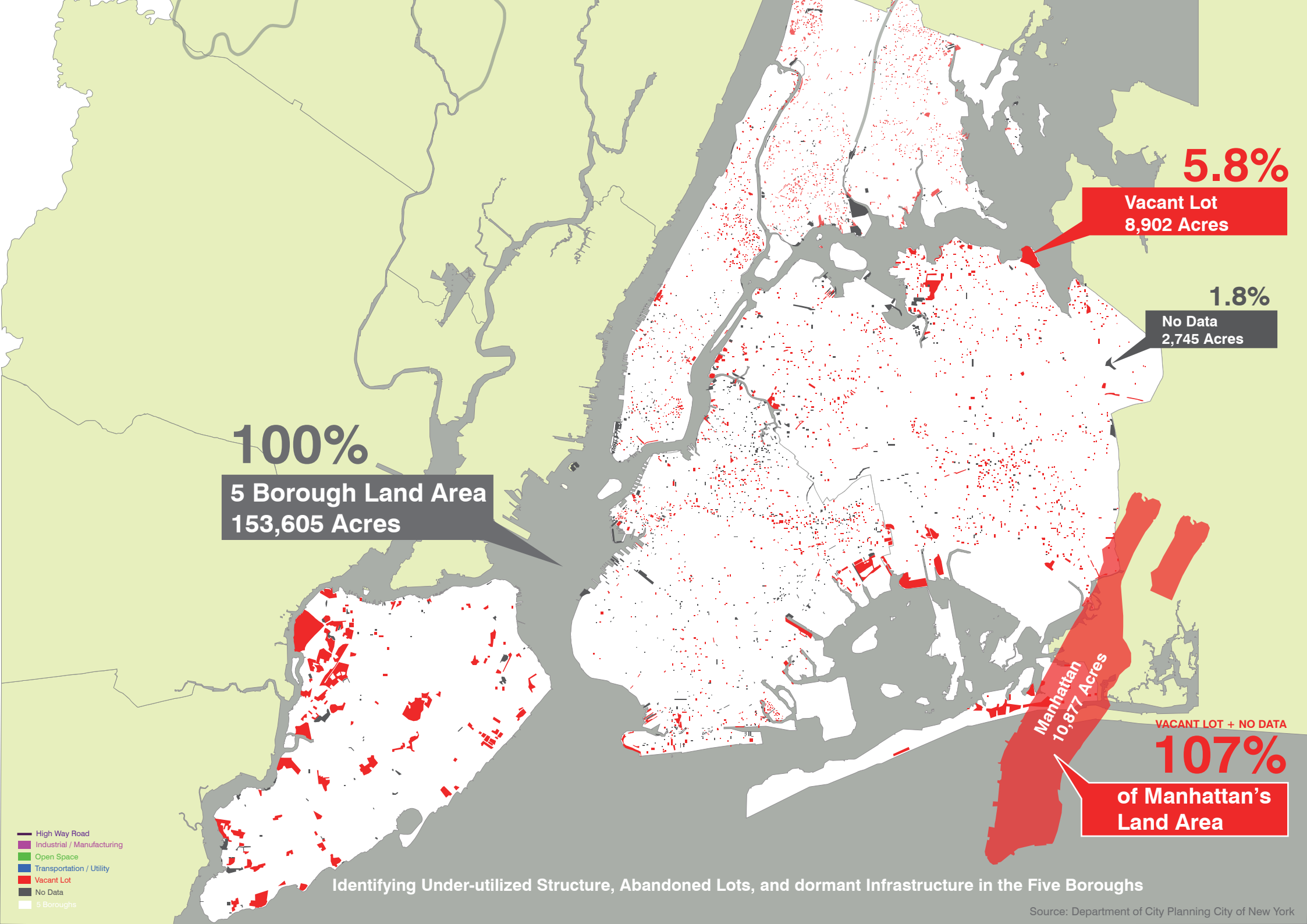
Manhattan  
10,877 Acres

- High Way Road
- Industrial / Manufacturing
- Open Space
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- Vacant Lot
- No Data
- 5 Boroughs

Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs

Source: Department of City Planning City of New York





**100%**  
**5 Borough Land Area**  
**153,605 Acres**

**5.8%**  
**Vacant Lot**  
**8,902 Acres**

**1.8%**  
**No Data**  
**2,745 Acres**

**Manhattan**  
**10,877 Acres**

**VACANT LOT + NO DATA**  
**107%**  
**of Manhattan's**  
**Land Area**

- High Way Road
- Industrial / Manufacturing
- Open Space
- Transportation / Utility
- Vacant Lot
- No Data
- 5 Boroughs

Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs

Source: Department of City Planning City of New York



**INDUSTRIAL**  
**51%**

of Manhattan's  
Land Area

Manhattan  
10,877 Acres

**3.6%**

Industrial / Manufacturing  
5,498 Acres

**7.1%**

Transportation / Utility  
10,907 Acres

**5.8%**

Vacant Lot  
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2,745 Acres

**100%**

5 Borough Land Area  
153,605 Acres

VACANT LOT + NO DATA

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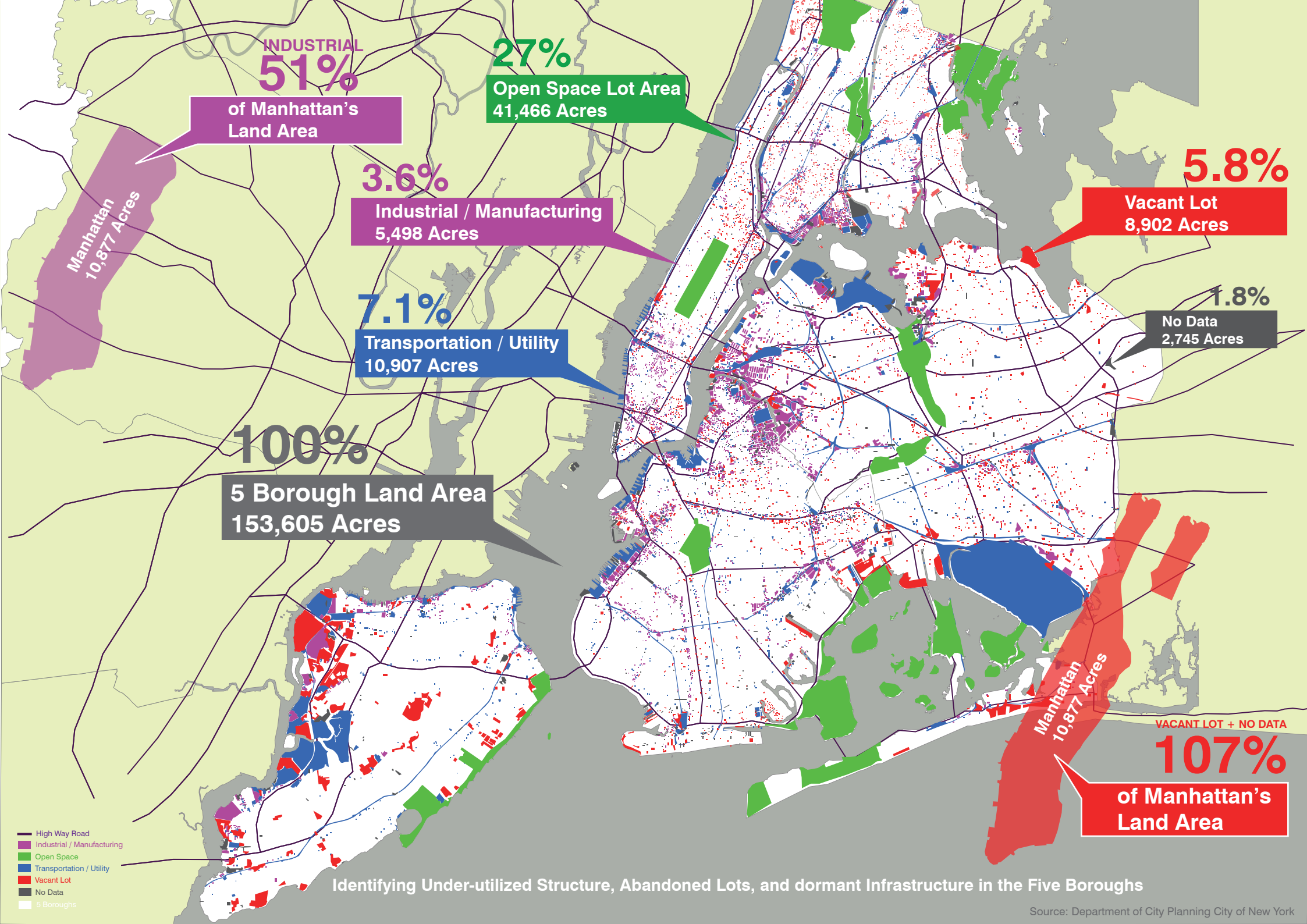
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Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs

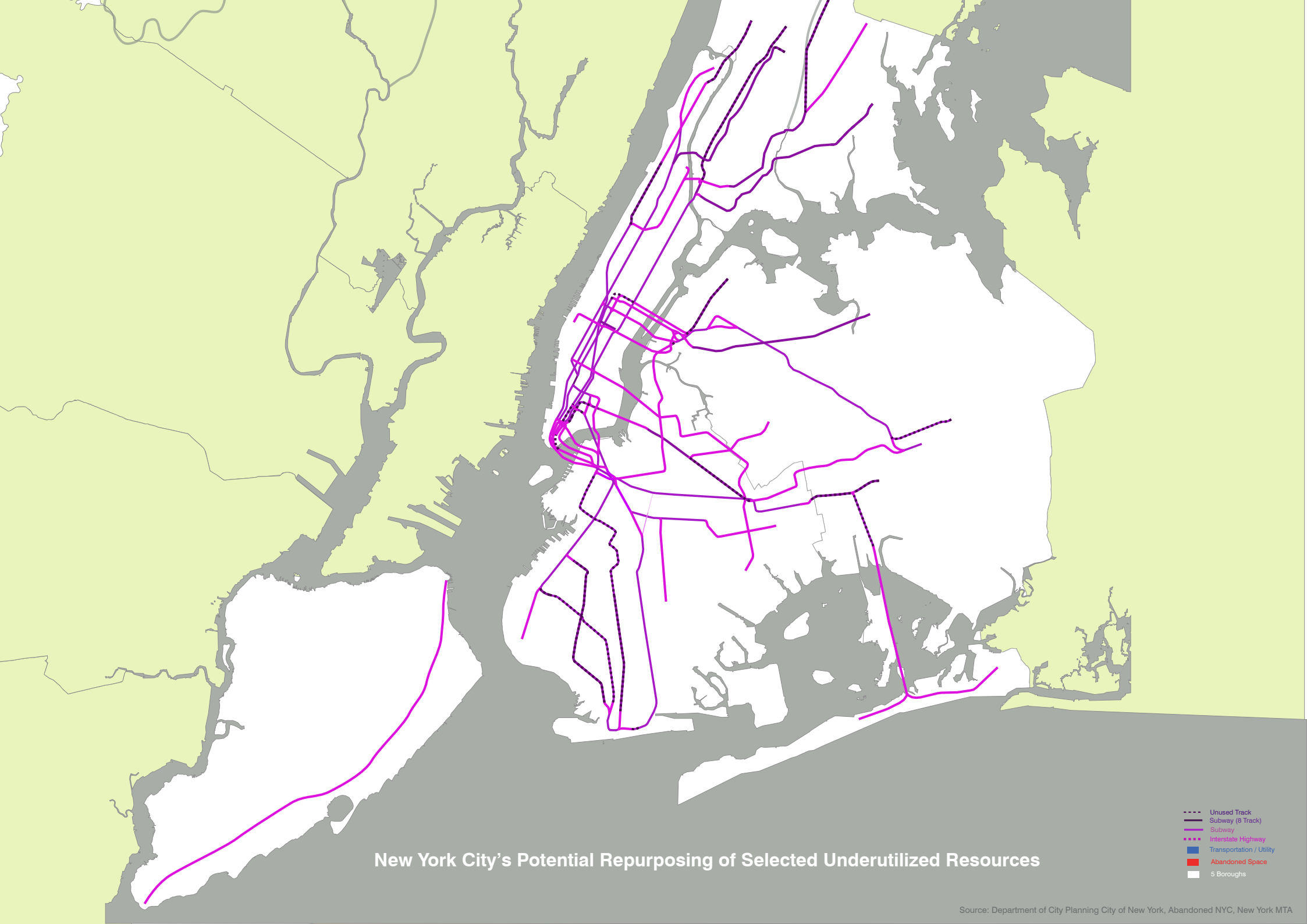
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Identifying Under-utilized Structure, Abandoned Lots, and dormant Infrastructure in the Five Boroughs

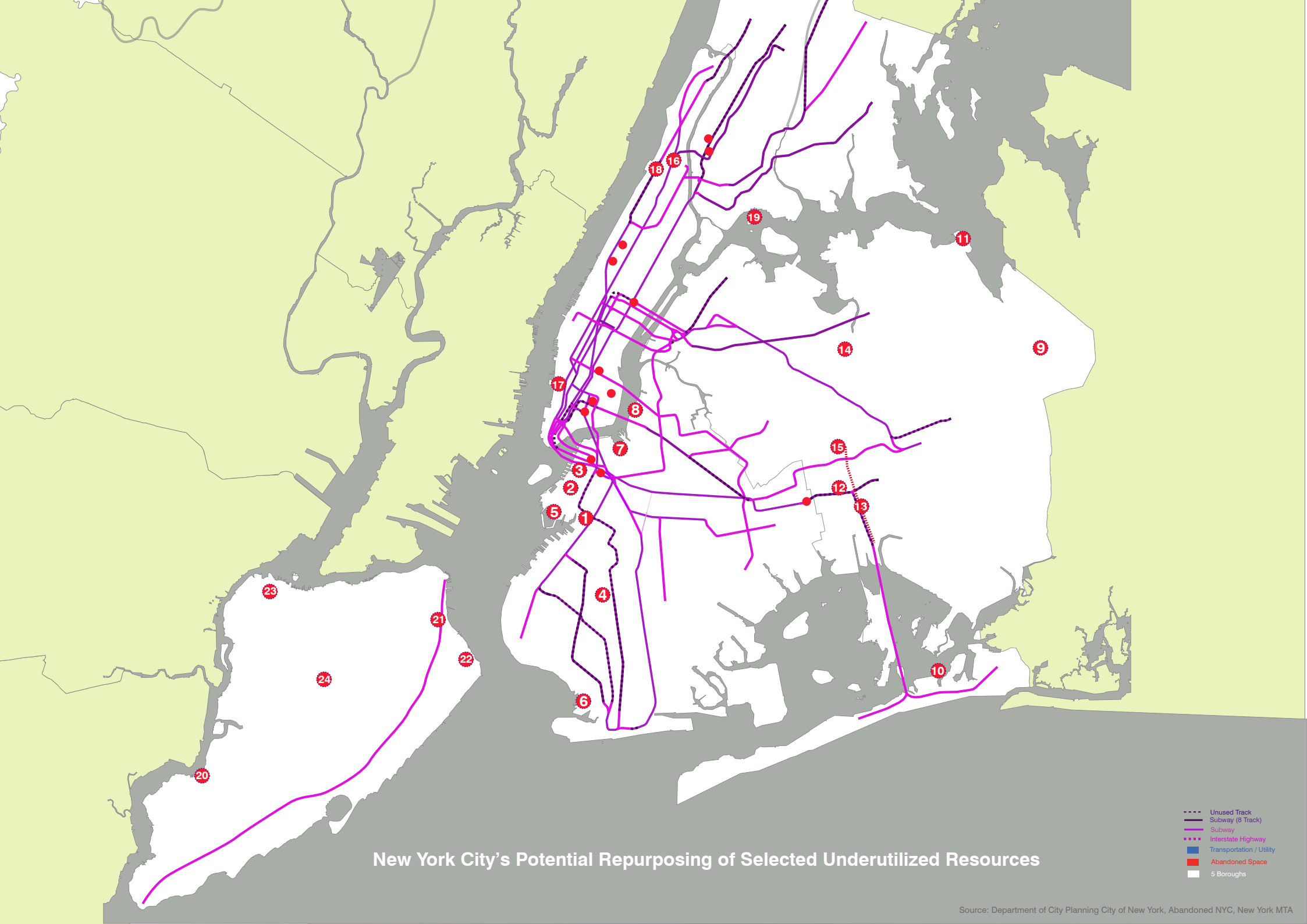
Source: Department of City Planning City of New York



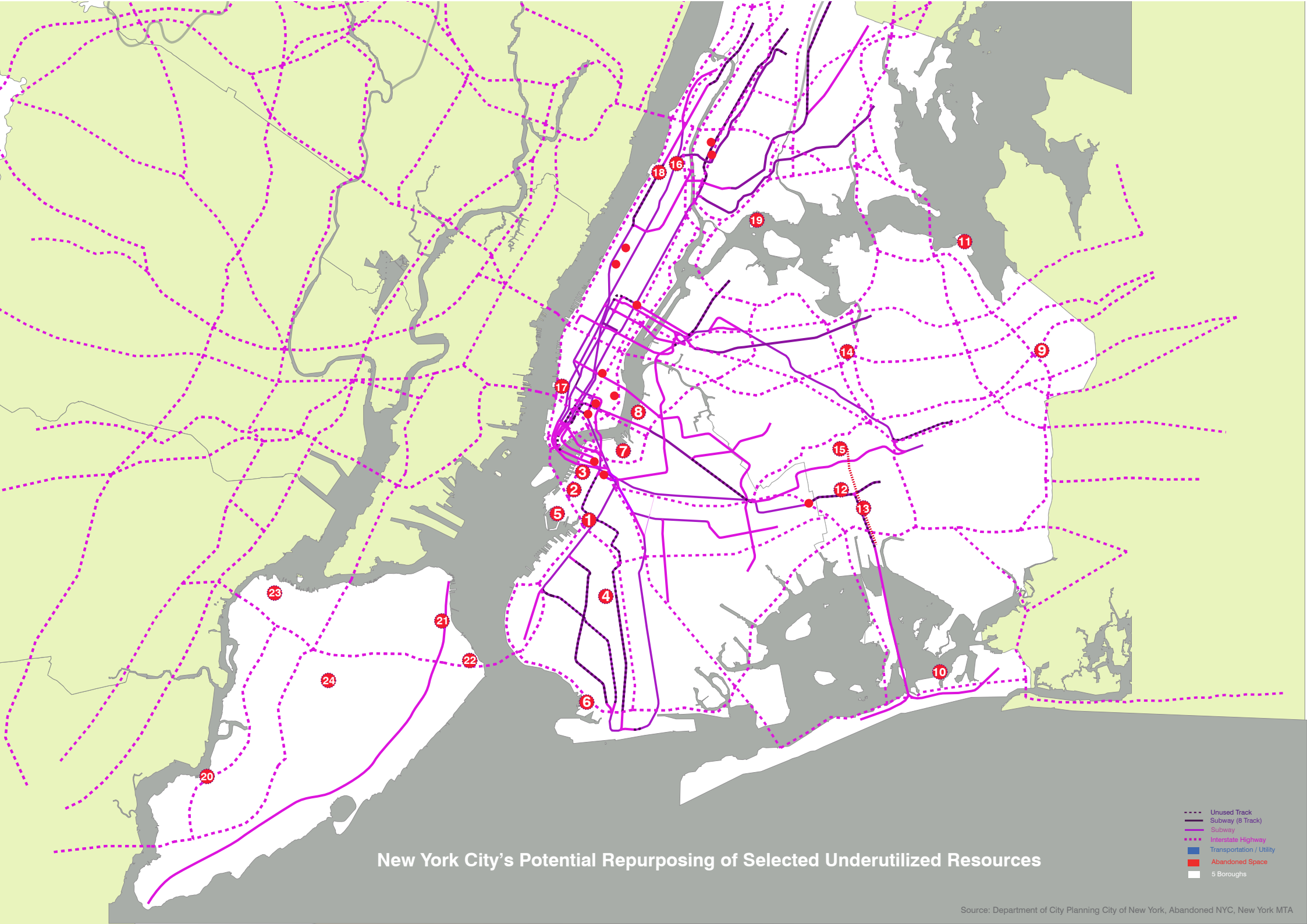
## New York City's Potential Repurposing of Selected Underutilized Resources

- Unused Track
- Subway (8 Track)
- Subway (6 Track)
- Interstate Highway
- Transportation / Utility
- Abandoned Space
- 5 Boroughs



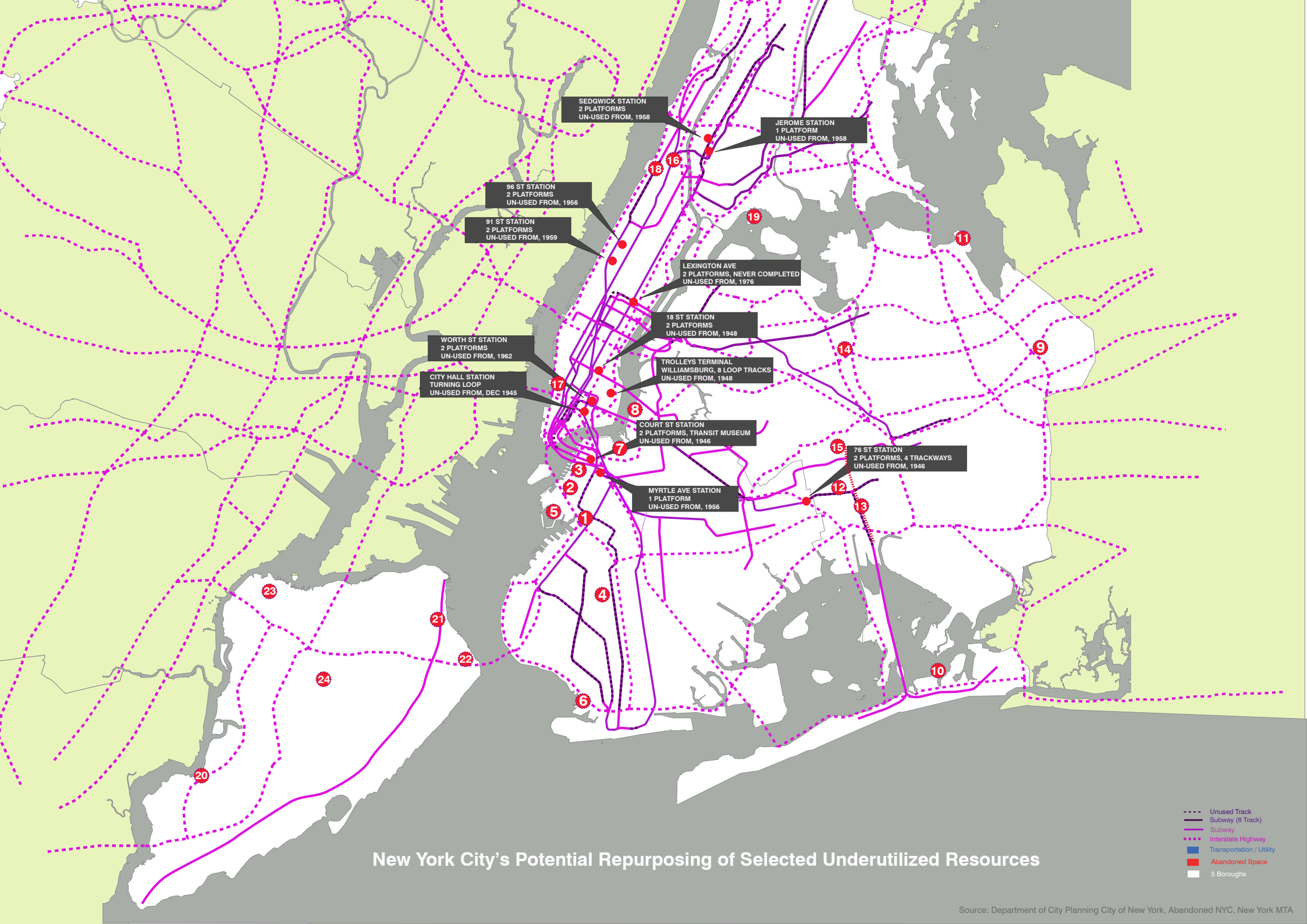


## New York City's Potential Repurposing of Selected Underutilized Resources

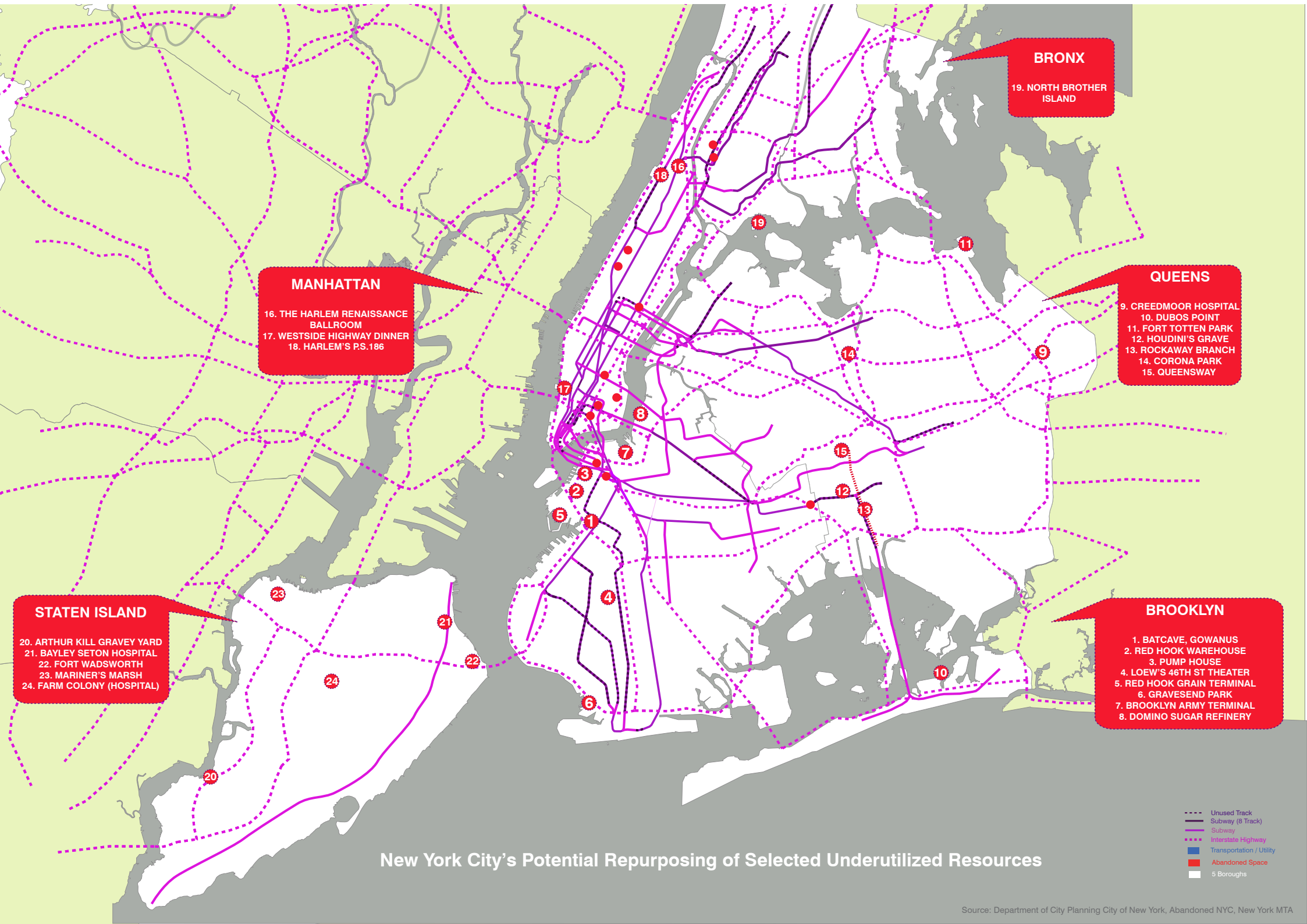


## New York City's Potential Repurposing of Selected Underutilized Resources

- Unused Track
- Subway (8 Track)
- Subway
- ..... Interstate Highway
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- Abandoned Space
- 5 Boroughs



## New York City's Potential Repurposing of Selected Underutilized Resources



**BRONX**  
19. NORTH BROTHER ISLAND

**MANHATTAN**  
16. THE HARLEM RENAISSANCE BALLROOM  
17. WESTSIDE HIGHWAY DINNER  
18. HARLEM'S PS.186

**QUEENS**  
9. CREEDMOOR HOSPITAL  
10. DUBOS POINT  
11. FORT TOTTEN PARK  
12. HOUDINI'S GRAVE  
13. ROCKAWAY BRANCH  
14. CORONA PARK  
15. QUEENSWAY

**STATEN ISLAND**  
20. ARTHUR KILL GRAVEY YARD  
21. BAYLEY SETON HOSPITAL  
22. FORT WADSWORTH  
23. MARINER'S MARSH  
24. FARM COLONY (HOSPITAL)

**BROOKLYN**  
1. BATCAVE, GOWANUS  
2. RED HOOK WAREHOUSE  
3. PUMP HOUSE  
4. LOEW'S 46TH ST THEATER  
5. RED HOOK GRAIN TERMINAL  
6. GRAVESEND PARK  
7. BROOKLYN ARMY TERMINAL  
8. DOMINO SUGAR REFINERY

**New York City's Potential Repurposing of Selected Underutilized Resources**

- Unused Track
- Subway (8 Track)
- Subway
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- Transportation / Utility
- Abandoned Space
- 5 Boroughs

Source: Department of City Planning City of New York, Abandoned NYC, New York MTA