

# I-95 Wilmington Corridor Rehabilitation Project Overview

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State Bridge Engineer



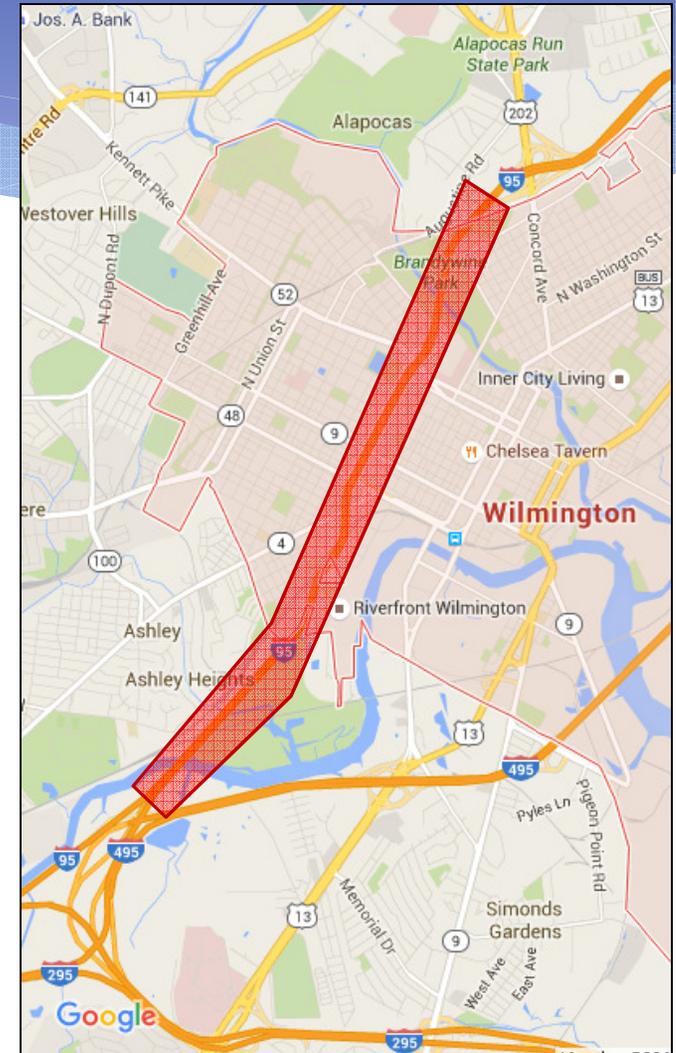
# Overview

- \* Project background
  - \* Location
  - \* History and need
  - \* Vision
- \* Project details
  - \* Scope
  - \* Impacts and mitigation
  - \* Schedule and cost



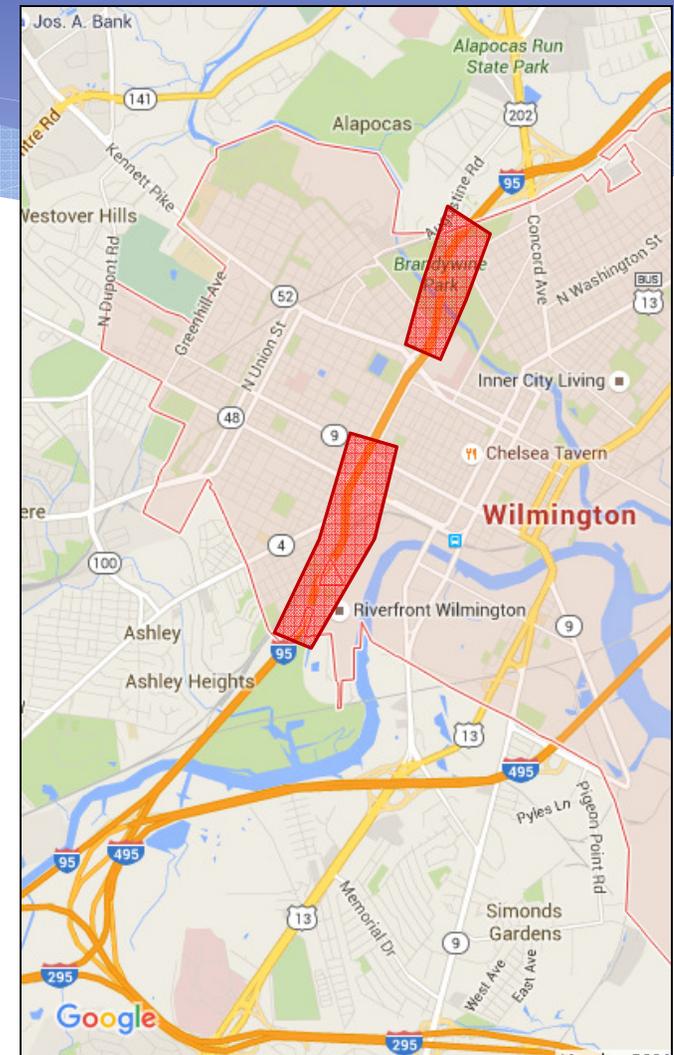
# Project Location

- \* Largest city in Delaware
- \* Over 115,000 vpd
- \* Major impacts to businesses



# Project History and Need

- \* Viaduct identified Feb 2014
  - \* 5000-foot long elevated highway structure
  - \* Fair condition
- \* Brandywine River Bridge identified Aug 2014
  - \* 2000-foot river crossing
  - \* Fair condition



# Project History and Need

- \* Identified other corridor needs
  - \* Deteriorating median barrier
  - \* Substandard guardrail
  - \* Age of original concrete pavement
  - \* Outdated signage and lighting
  - \* Expanded scope Fall 2014



# Project Vision

- \* 30 years maintenance free
  - \* Intermittent maintenance has been constant
  - \* Nearly 20% of all High Priority Work Orders

## Excellence in Transportation

*Every Trip • Every Mode • Every Dollar • Everyone*



# Project Scope

- \* Rehabilitation of 19 bridges
- \* Jackson Street on-ramp safety improvements
- \* Mainline pavement rehabilitation/reconstruction
- \* Ramp pavement reconstruction
- \* Signing and lighting upgrades



# Project Scope

## Wilmington Viaduct Limits



# Project Scope

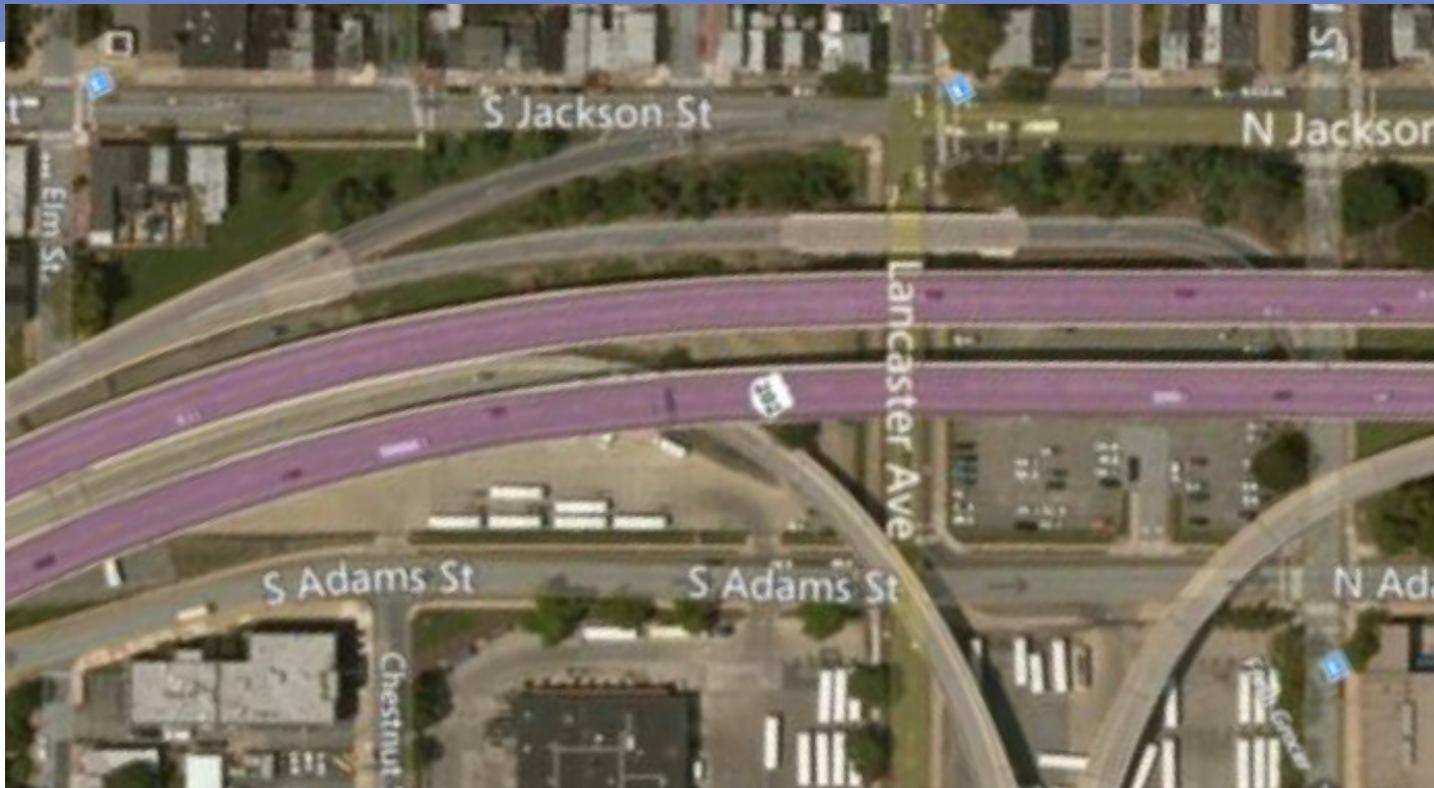
- \* Viaduct and Ramp Bridges
  - \* Barrier replacement
  - \* Replace deck overlay
  - \* Bearing replacements
  - \* Joint replacements
  - \* Substructure repairs
  - \* Spot paint structural steel



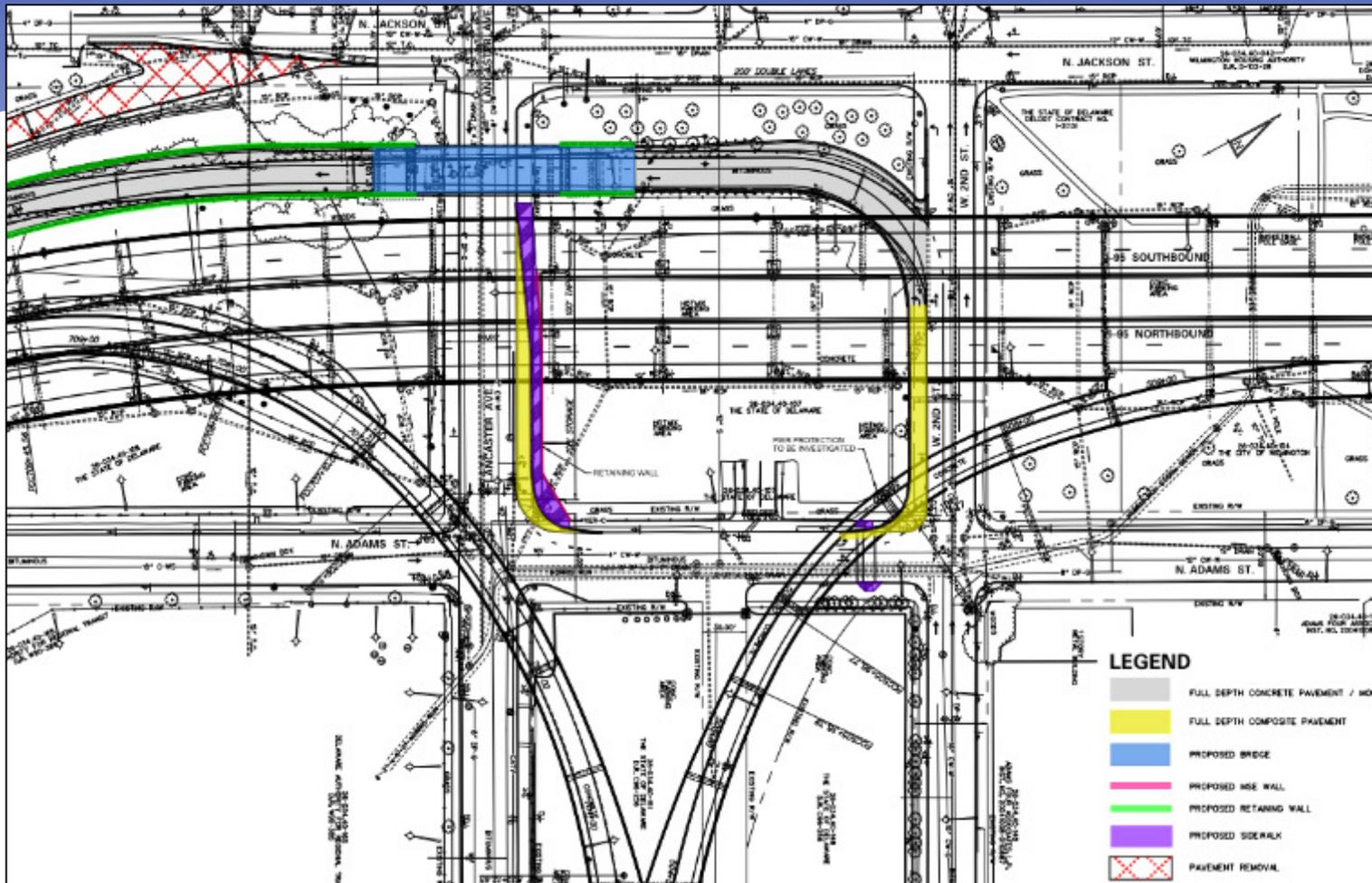
# Project Scope



# Project Scope



# Project Scope



# Project Scope

- \* Jackson Street On-Ramp
  - \* Remove Bridge 1-758
  - \* Replace Bridge 1-750
  - \* Reconfigure city streets
  - \* Construct safer on-ramp and acceleration lane



# Project Scope



Beginning of the  
Wilmington Viaduct

# Project Scope

- \* Bridges to the South
  - \* Replace deck overlay
  - \* Joint replacements
  - \* Substructure repairs
- \* Median barrier replacement
- \* Guardrail upgrades
- \* Pavement mill and overlay
- \* Sign structure replacements



# Project Scope



# Project Scope

- \* Overpasses
  - \* Substructure repairs
  - \* Paint structural steel
- \* Median barrier replacement
- \* Guardrail upgrades
- \* Pavement reconstruction
- \* Sign structure replacements



# Project Scope

- \* Brandywine River Bridge
  - \* Replace deck overlay
  - \* Bearing replacements
  - \* Joint replacements
  - \* Structural steel repairs
  - \* Substructure repairs
  - \* Spot paint structural steel

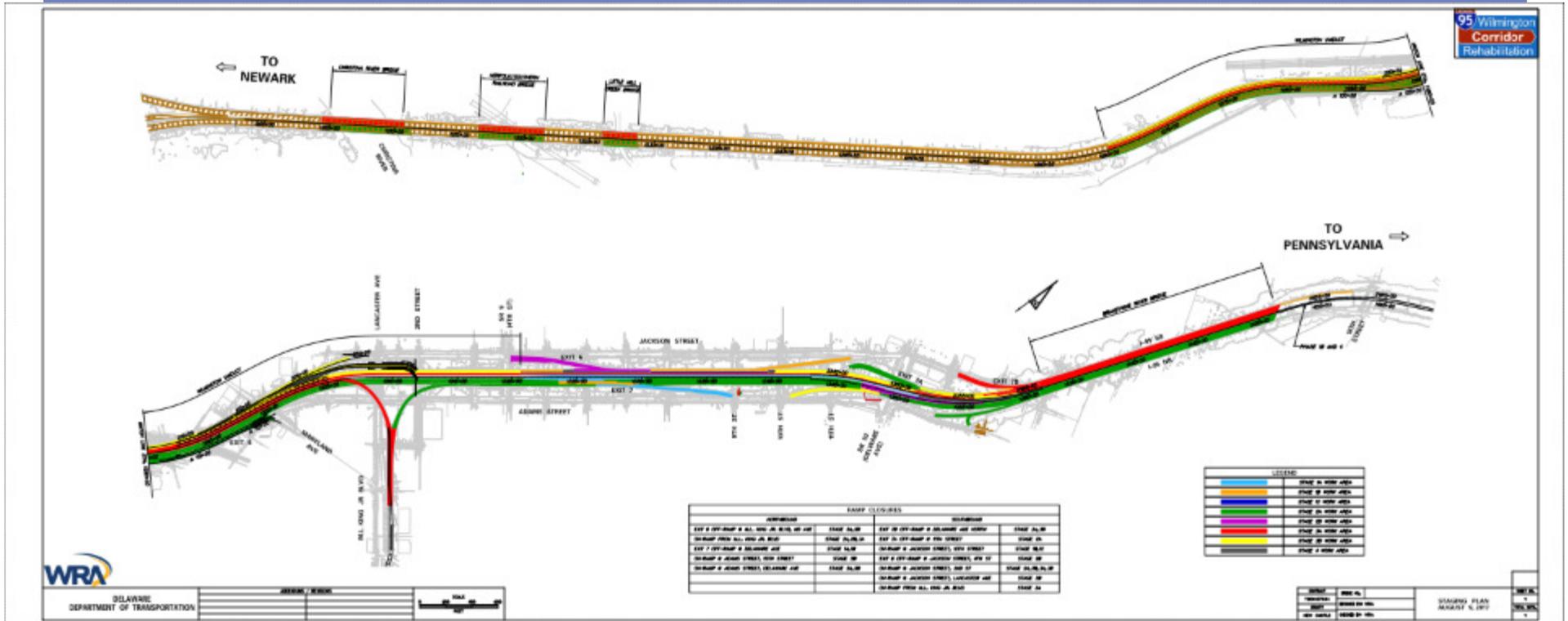


# Project Impacts

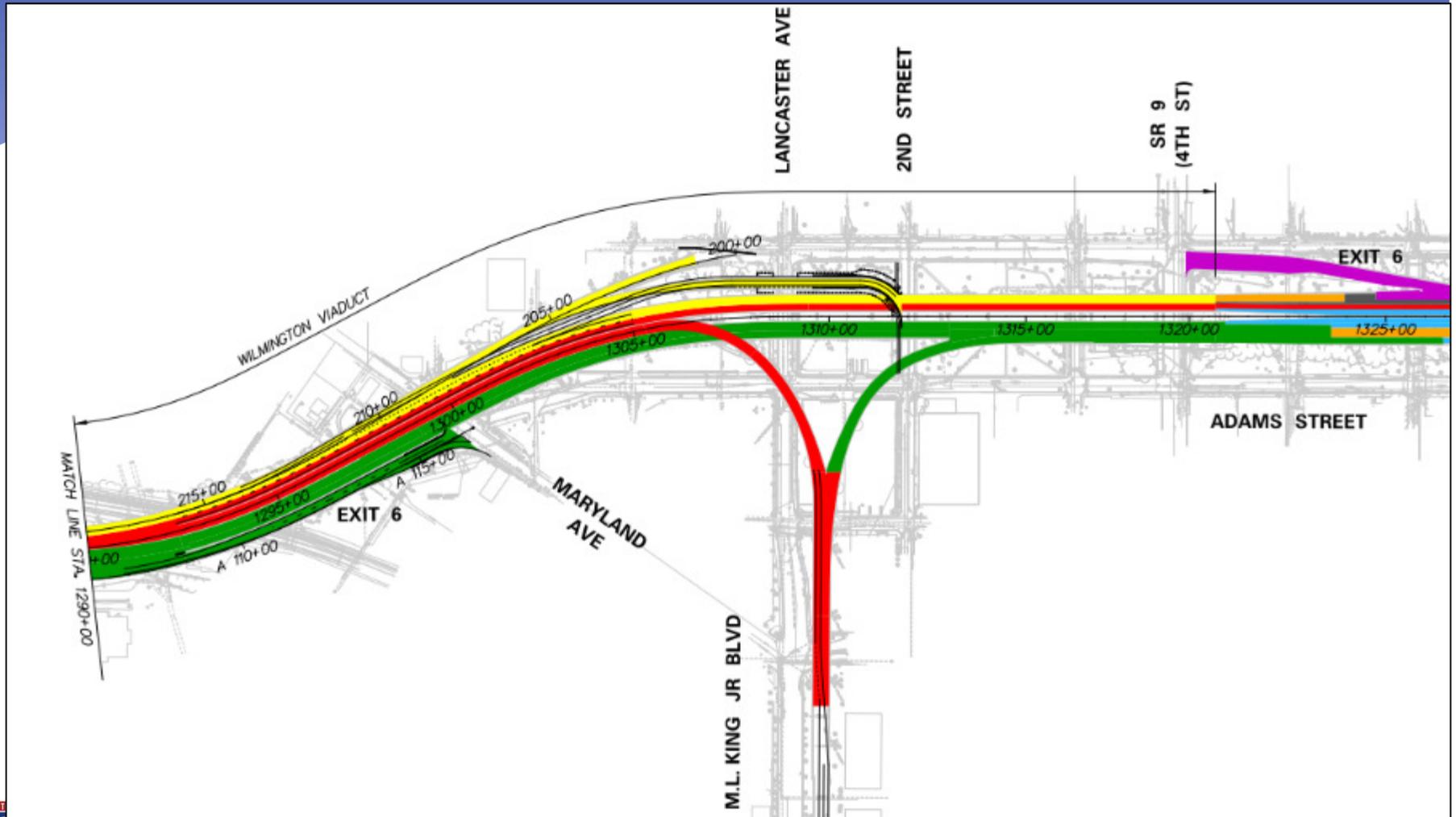
- \* Amtrak
- \* Construction noise
- \* Traffic
  - \* Wilmington Viaduct over MLK Blvd (2 lanes to 1 lane)
  - \* BRB north of Wilmington (3 lanes to 2 lanes)
  - \* Ramp closures
  - \* City streets



# Maintenance of Traffic



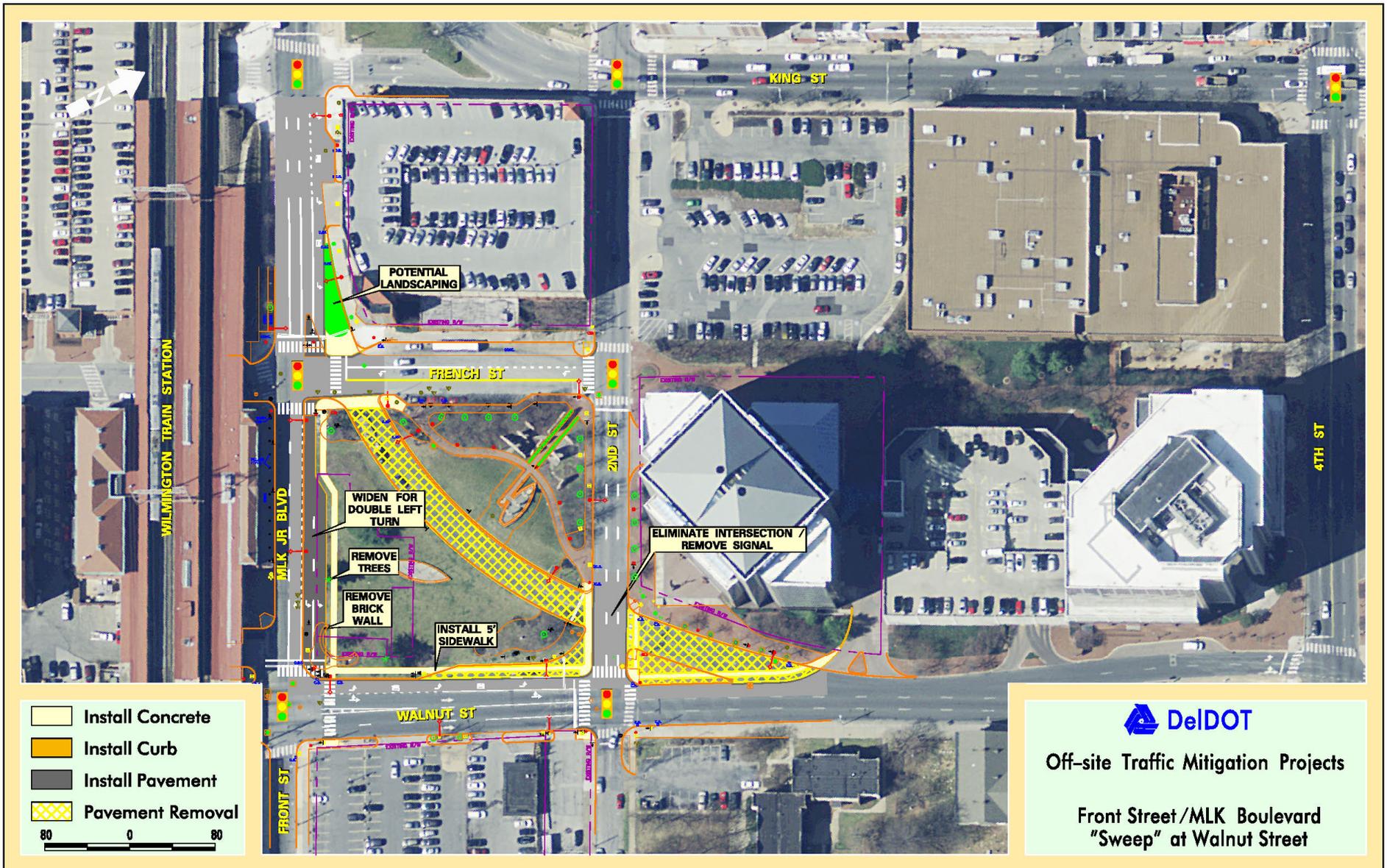
# Maintenance of Traffic



# Traffic Mitigation Measures



# Traffic Mitigation Measures





# Traffic Mitigation Measures



# Traffic Mitigation Measures

- \* Other projects

- \* Christina River Bridge

- \* I-95/SR141 Interchange

- \* I-95/I-495 SB merge lane

- \* Interstate maintenance

- \* Alternate route maintenance projects



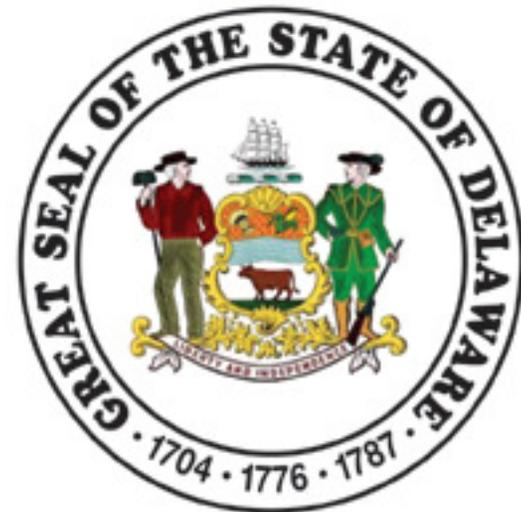
# Communications Plan

- \* Internal communications
  - \* Kick-off meeting
    - \* Communicate the vision for the project
    - \* Establish expectations
  - \* Monthly team meetings
  - \* Bi-weekly project status meetings



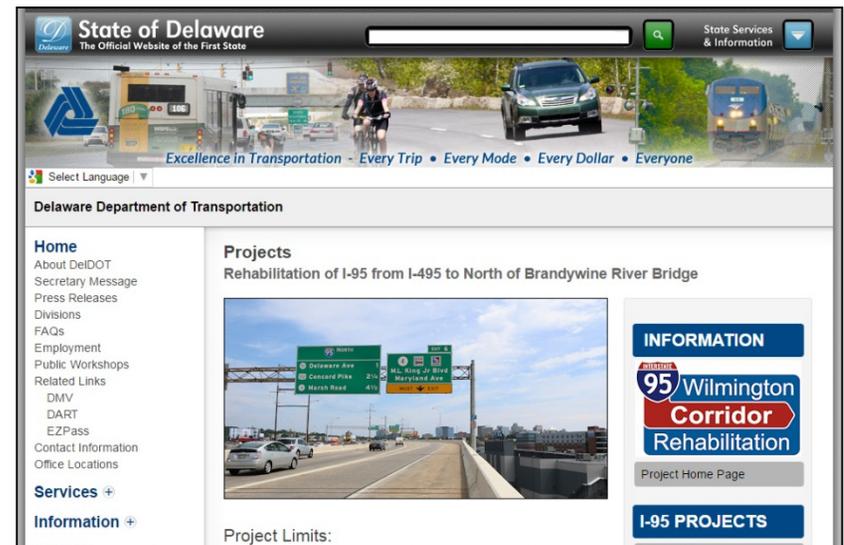
# Communications Plan

- \* Government officials
  - \* Governor's office
  - \* Federal delegation
  - \* State legislators
  - \* City of Wilmington mayor and council



# Communications Plan

- \* Public involvement
  - \* Project website
  - \* Advisory committee
    - \* WILMAPCO
    - \* Business leaders
    - \* Community organizations
  - \* News Journal executive
  - \* State and local officials



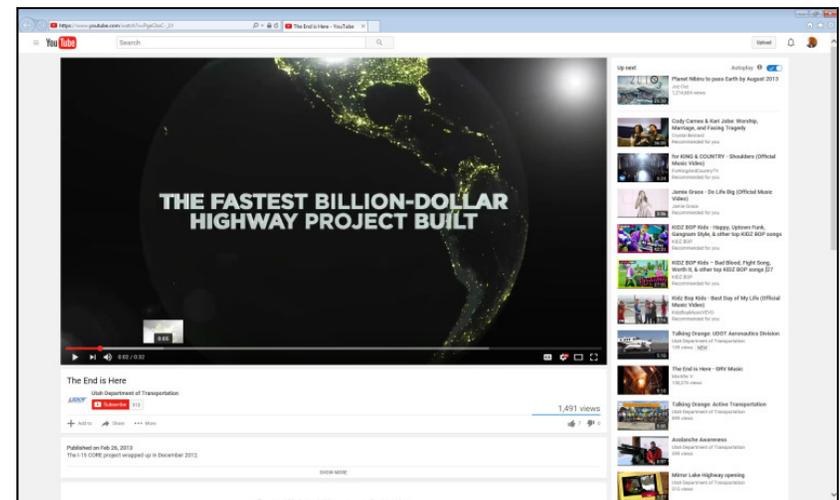
# Communications Plan

- \* Public involvement (cont'd)
  - \* Public/Community meetings and events
    - \* Project specific brochures
  - \* Intermittent updates
    - \* Press releases
    - \* Social media



# Communications Plan

- \* Public involvement (cont'd)
  - \* Paid media ads
    - \* Newspapers
    - \* Billboards
    - \* Radio
    - \* Geotargeted online ads



# Communications Plan

- \* Messaging – Design
  - \* Branding/Identity/Vision
  - \* Project need
  - \* Alternatives/Impacts
  - \* Advance traffic mitigation projects
  - \* Project schedule



# Project Schedule and Cost

- \* Project schedule
  - \* Final design
    - \* Spring 2016 to Spring 2019
  - \* Construction
    - \* Fall 2019 to Fall 2022
- \* Project cost
  - \* \$165 Million



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