

INTERSTATE

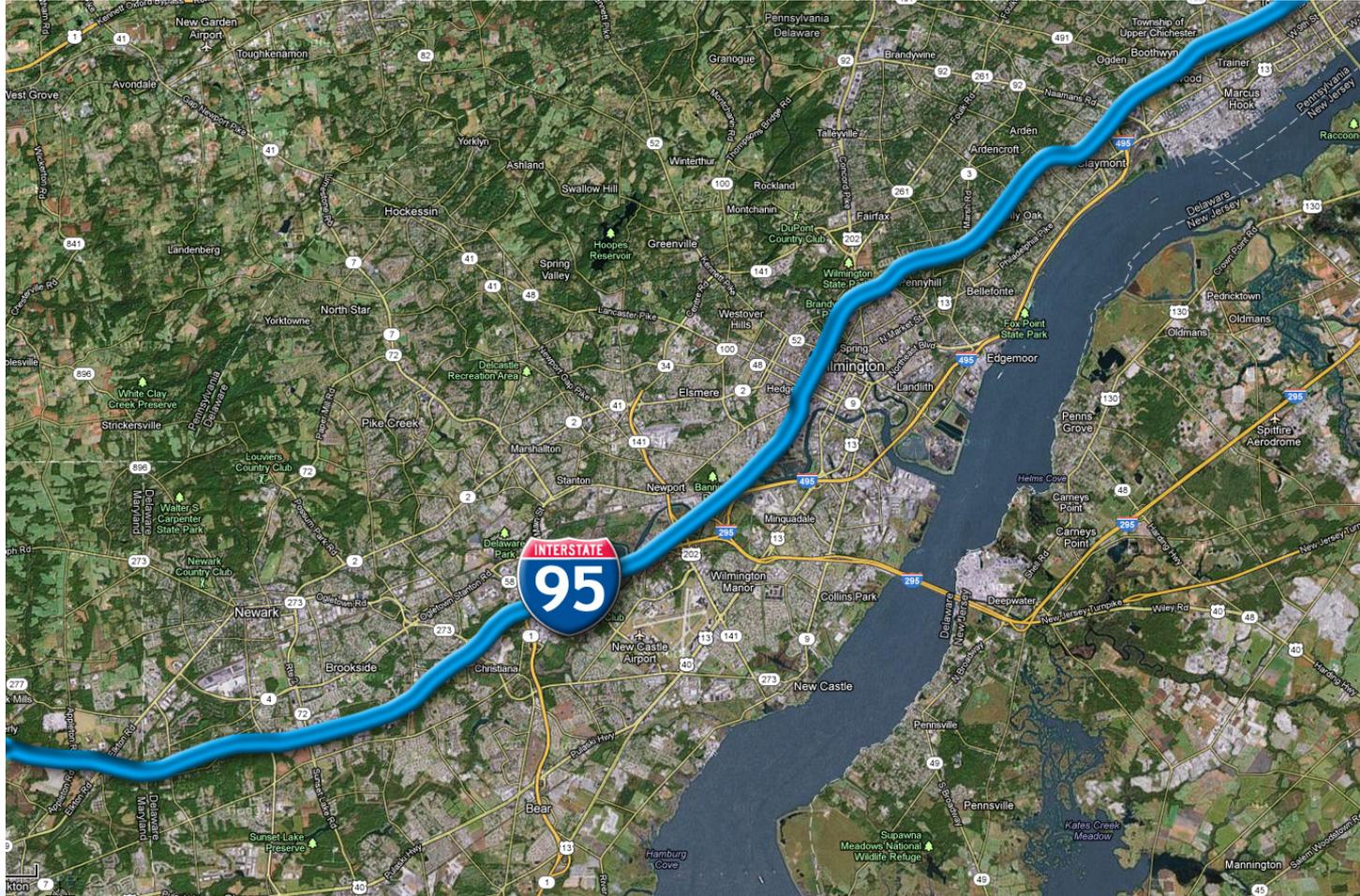
95

I-95 Then and Now



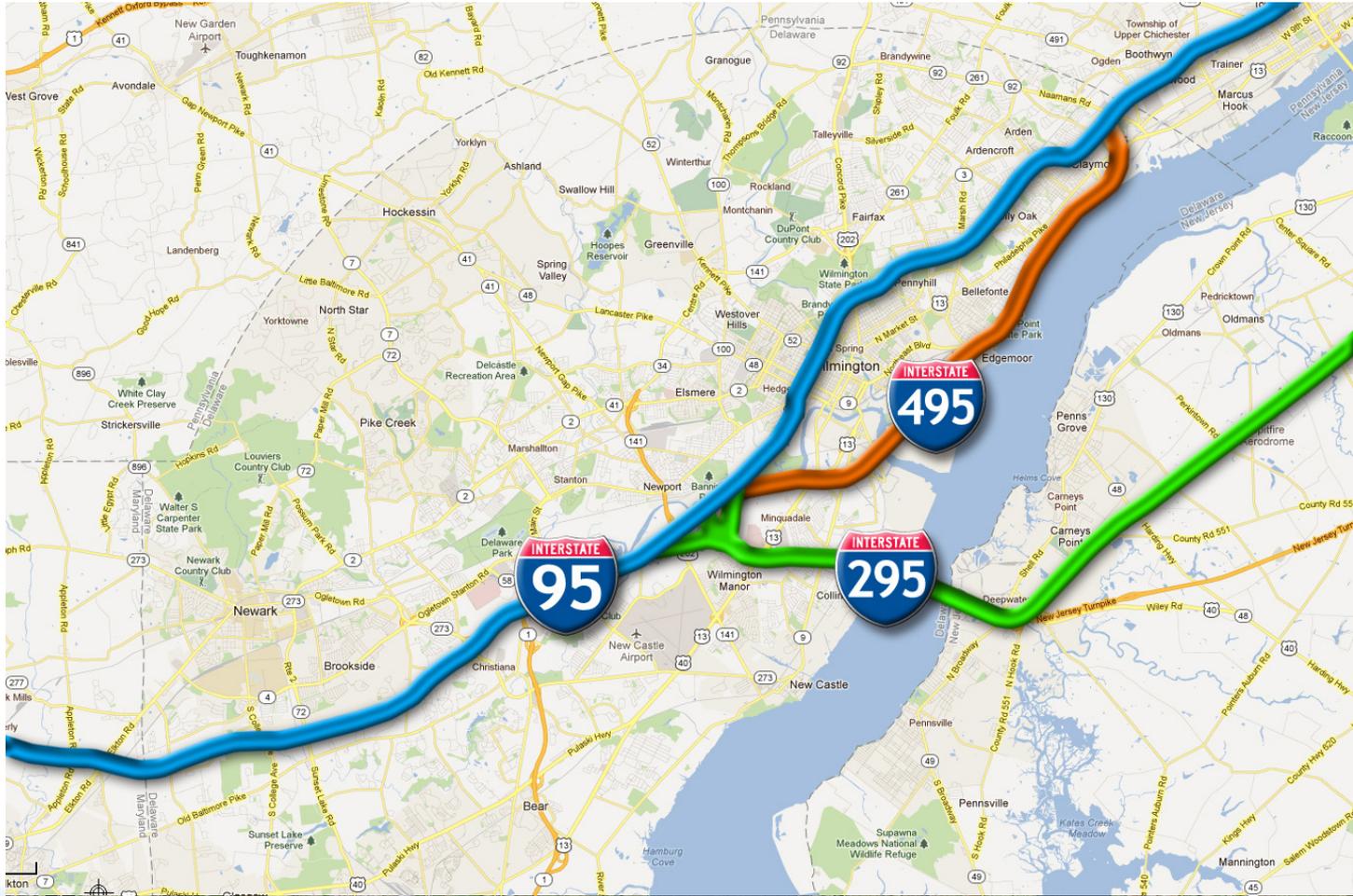
Somewhere on Earth, Along a Critical Corridor

I-95 Then and Now



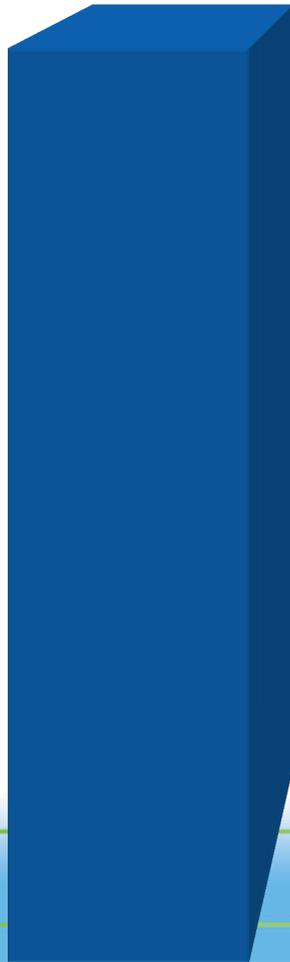
- The East Coast's Main Street
- Along with SR 1, the most significant highway in Delaware

I-95 Then and Now

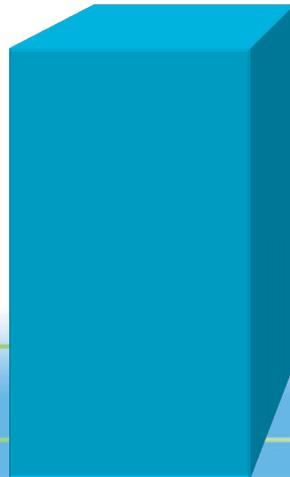


Roadway Miles

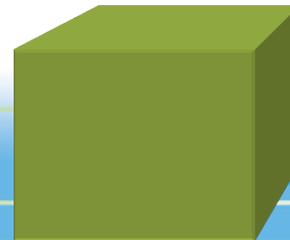
I-95
23 Miles



I-495
11 Miles



I-295
6 Miles



I-95 Then and Now



Pre- I-95

I-95 Then and Now



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4th and Jackson

I-95 Then and Now



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9th Street Bridge

I-95 Then and Now



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Building the Viaduct

I-95 Then and Now





Brandywine Bridge Crossing

Churchman's Marsh

I-95 Then and Now



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Interchange Loop Ramps

I-95 Then and Now



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**Back then we
didn't have as many
rules to follow.**

Environmental Permitting



I-95 Then and Now



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CCR Nightmare

I-95 Then and Now



Erosion Control Measures?

I-95 Then and Now



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Bridge Safety

I-95 Then and Now



ADA Compliant?

I-95 Then and Now



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Traffic Control

Where are the workers?



Advanced Warnings??

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Traffic Notices??

I-95 Then and Now



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What are the taper lengths here?

I-95 Then and Now



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We started getting more conscious about safety

I-95 Then and Now



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Interstate Safety becomes very important

I-95 Then and Now



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I-95 Then and Now

*90's to Early
2000s*

Cooperating Environmental Resource and Regulatory Agencies

I-95 Then and Now



Sponsoring Agencies



Federal Highway
Administration



Delaware Department
of Transportation



I-95 Then and Now



Prior to the '90s Administrations

- If you build it they will come



90's to Early 2000s Philosophy

- If you don't build it, they will take the bus, or train, or bike, or walk... 😊



New Philosophy

- Optimization
- Communication
- Beautification



Optimization

- Utilize your existing resources as efficiently as possible



Optimization

I-95 Reconstruction

Maximizing Contractor Work Area



**Southbound Closed:
Spring-Summer
2000**



Southbound
Construction

Northbound
One Way Traffic

**Northbound Closed:
Summer-Fall
2000**



Southbound
One Way Traffic

Northbound
Construction

I-95 Then and Now





Rubblelization



Completed one direction
in two weeks

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I-95 Then and Now

Optimization

*Transportation
Management Plan*

5 Elements for Improved Mobility

- Transportation Management Improvements
- Traveling Together
- Public Information
- Integrated Transportation Management
- Capital Improvement Program Coordination

Optimization

Traffic Management Improvements



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Optimization

Traveling Together

Optimization

Ridesharing...



I-95 Then and Now



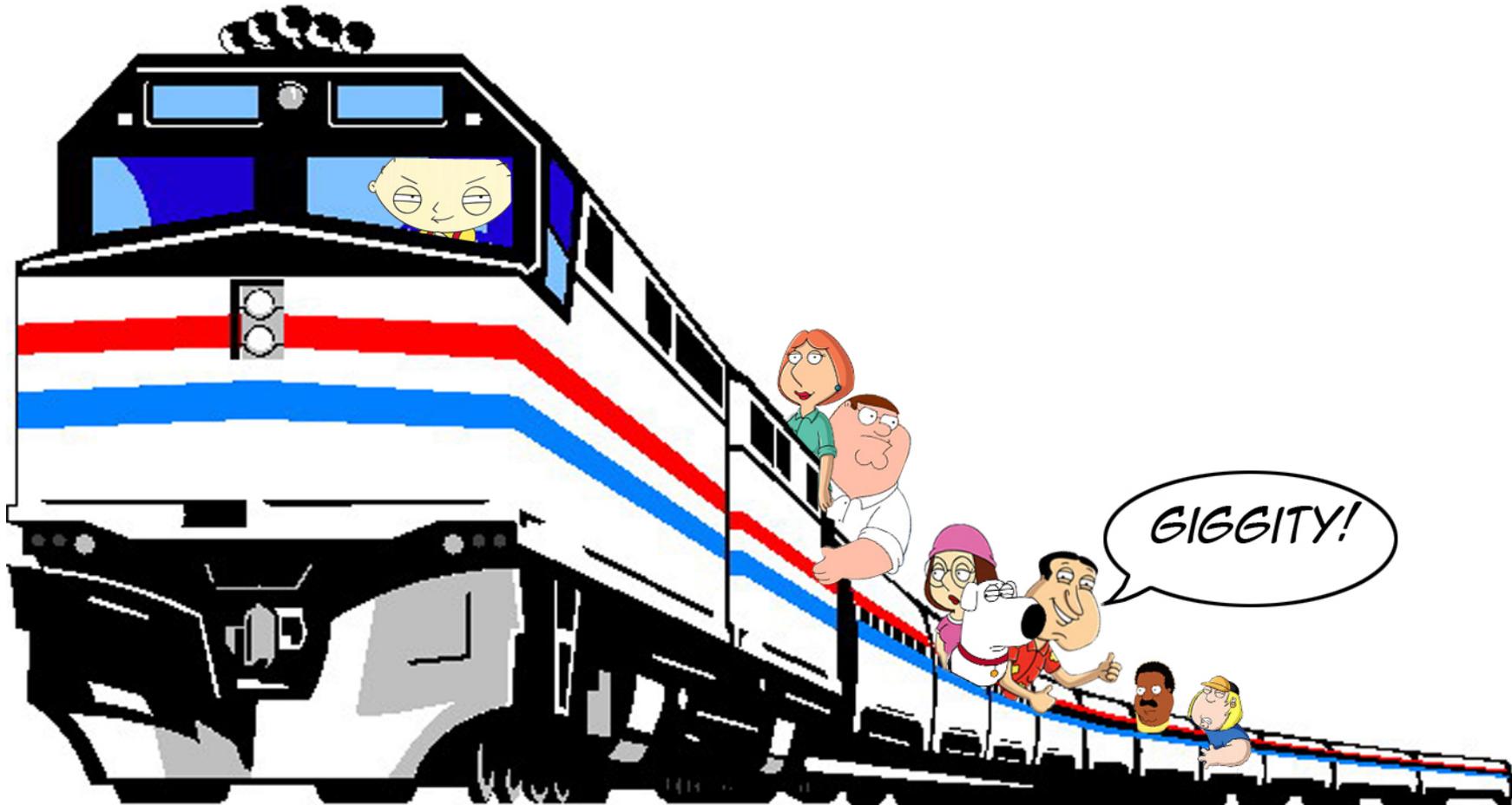
Expresso Bus Promotion

I-95 Then and Now



Commuter Rail Service

I-95 Then and Now



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Optimization

*Integrated Transportation
Management System
(ITMS)*

Managing the Flow of Traffic



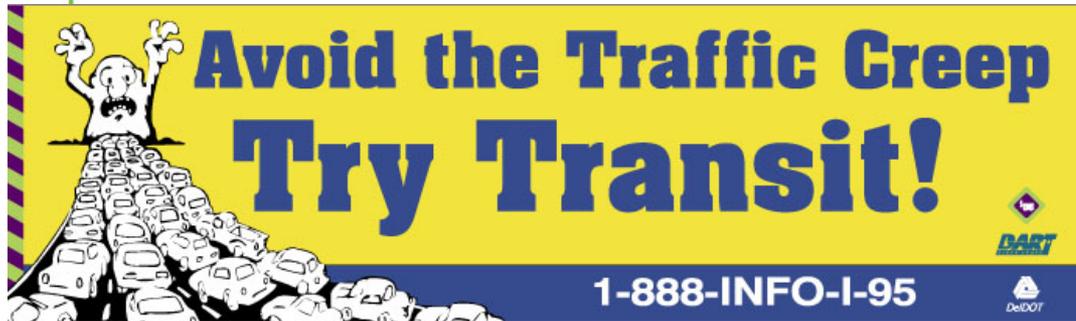
- Traffic adaptive signal systems (smart lights)
- Coordinated Incident Management
- Real-time Information
 - WTMC 1380 AM
 - Website cameras online
 - Hotlines
 - Variable message signs

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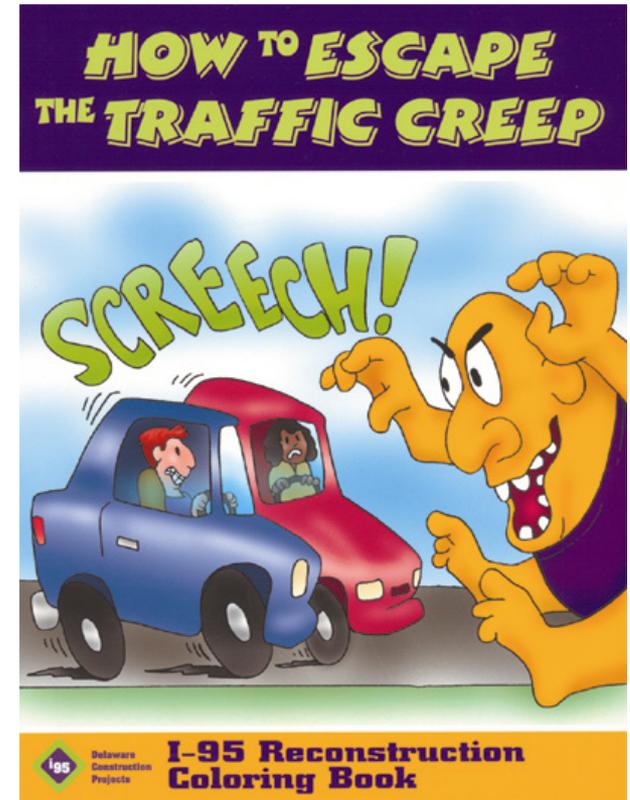
I-95 Then and Now

- Optimization
- **Communication**
- Beautification

Broader Message to a Broader Audience



Billboard



Coloring Book

Developed Survival Guides

I-95 Then and Now

Heading North On I-95?

Be Ready to Take These Alternate Routes Through Delaware

Q. What is your destination?

- A. New Jersey, New York or points North.**
Follow the Yellow Route. Stay right at I-295 split. Take I-295 over Delaware Memorial Bridge (no toll heading into New Jersey).
- A. Philadelphia or other Pennsylvania destination.**
Follow the Pink Route. Stay left on I-95 at I-295 split, then take I-495 N.
- A. Delaware North of Wilmington.**
Follow the Red Route. Stay left on I-95 at I-295 split, then to Edgemoor.
- A. Downtown point North.**
Follow the Blue Route. Stay right on I-95 & I-495. Or stay right on I-95.

Plan Your Alternate Route

Travel Guide

Watch for Northbound Closure of I-95 Through Delaware Summer/Fall 2000

DelDOT
DART
MVA

DelDOT F.Y.I.

I-95 is Closing!

Here's Your Planning & Survival Guide

This guide tells you what areas will be shut down and when, and provides information to help you plan how to get around during reconstruction.

The Facts

- I-95 must be repaired.
- The roadway is nearly 30 years old in the area slated for reconstruction.
- Traffic will be disrupted.
- Alternate routes will pick up more traffic.
- Commuters should plan to use public transit or carpool.
- Transit services will be enhanced to give alternate travel choices.

DelDOT

Newark Toll Plaza Brochure

I-95 Then and Now

CONSTRUCTION UNDERWAY
In Delaware...
I-95 Newark Toll Plaza
HIGHWAY-SPEED E-ZPass® Lanes

Pay Your Toll While You Roll

OPENING IN 2011

NEWARK TOLL PLAZA

Approximately \$32 million from the American Recovery and Reinvestment Act (ARRA) is being used to fund this project. The Plaza improvements will result in over 300 construction-related jobs improved, since some toll takers will be able to get to their booths via an overhead passageway instead of walking across lanes.

- Reduce fuel consumption and greenhouse gases, and ease interstate truck traffic.

Approximately \$32 million from the American Recovery and Reinvestment Act (ARRA) is being used to fund this project. The Plaza improvements will result in over 300 construction-related jobs improved, since some toll takers will be able to get to their booths via an overhead passageway instead of walking across lanes.

When opened in 2011, motorists with E-ZPass® will be able to drive through the highway-speed lanes without slowing down to pay a toll. Tolls will be collected automatically using overhead equipment that records information from a vehicle-mounted transponder and deducts the toll from the user's account. Currently, motorists must slow down to 5 or 10 miles per hour when passing through the E-ZPass lanes.

significantly improve safety for travelers by reducing backups and sudden lane changes.

Approximately \$32 million from the American Recovery and Reinvestment Act (ARRA) is being used to fund this project. The Plaza improvements will result in over 300 construction-related jobs improved, since some toll takers will be able to get to their booths via an overhead passageway instead of walking across lanes.

ADMINISTRATION BUILDING

SOUTHBOUND CASH/E-ZPASS LANES (Existing Main Plaza)

HIGHWAY SPEED E-ZPASS LANES

TOLLING GANTRY

TRAFFIC BARRIERS

NORTHBOUND CASH/E-ZPASS LANES (Existing Satellite Plaza)

OVERHEAD WALKWAY

DelDOT **ARRA** **Delaware** **i95.deldot.gov**

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I-95 Then and Now

- Optimization
- Communication
- **Beautification**

I-95 Then and Now



I-95 Then and Now



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I-95 Then and Now



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I-95 Then and Now



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Green

Green

Lime Green



Midnight Green



I-95 Then and Now

Shamrock



**J
A
D
E**



Verdigris

Citrine

Cyan

Phthalocyanine Green

Fern

Spring Bud

I-95 Then and Now



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I-95 Then and Now



I-95 Then and Now



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I-95 Then and Now



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I-95 Brandywine Bridge Enhancements

I-95 Then and Now



I-95 Then and Now



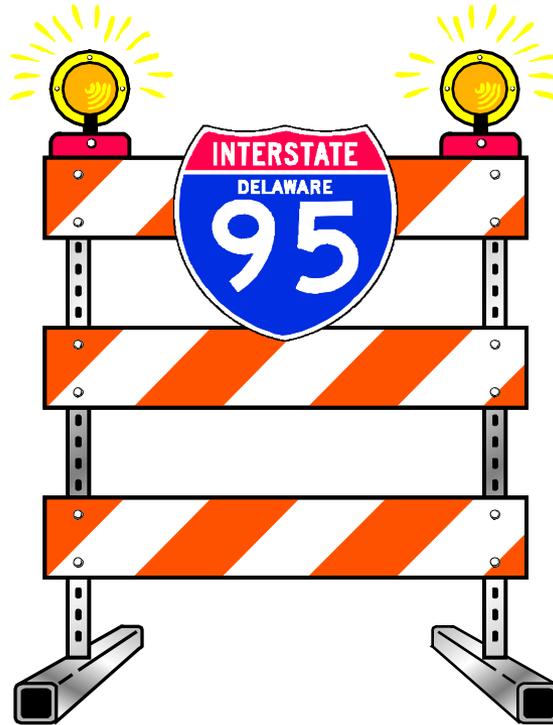
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I-95 Then and Now

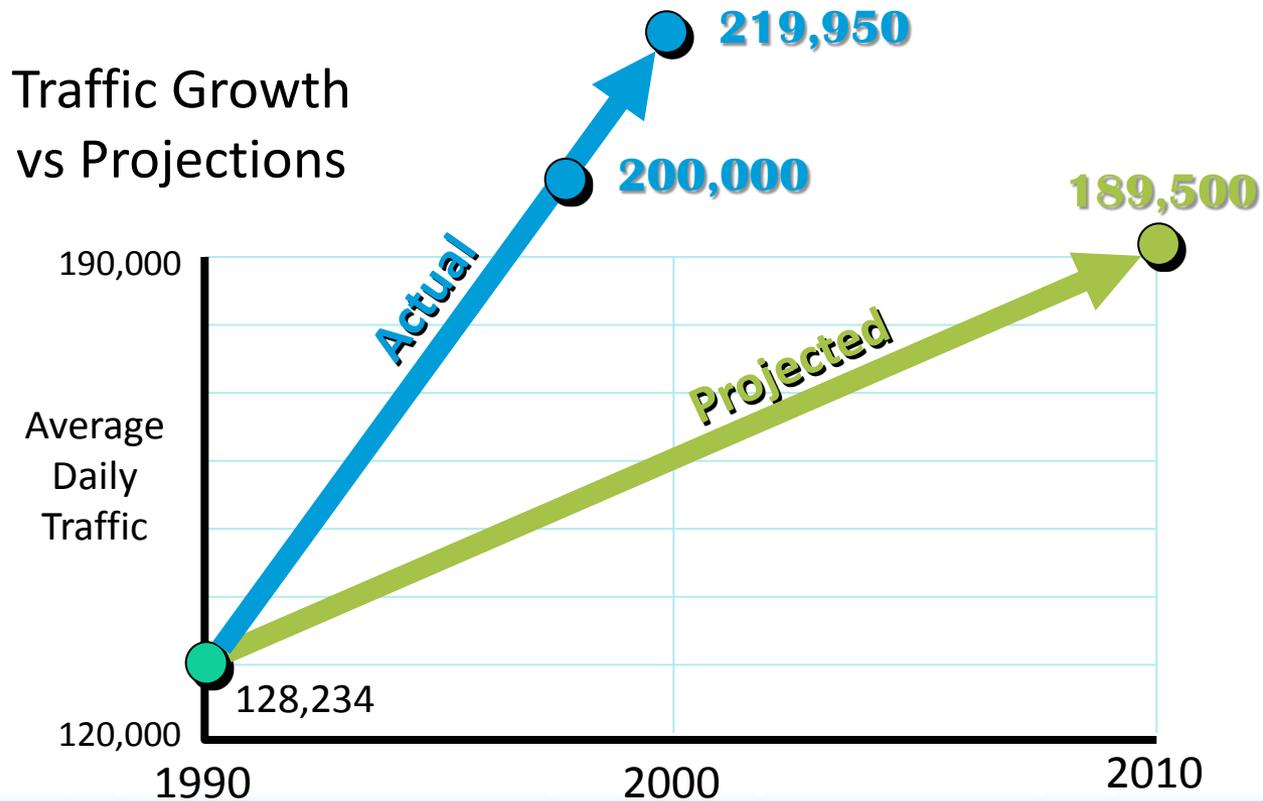
I-95 Now...

Be warned: Lots of construction happening!



1990 Projection of 20-year Traffic Growth (2010)

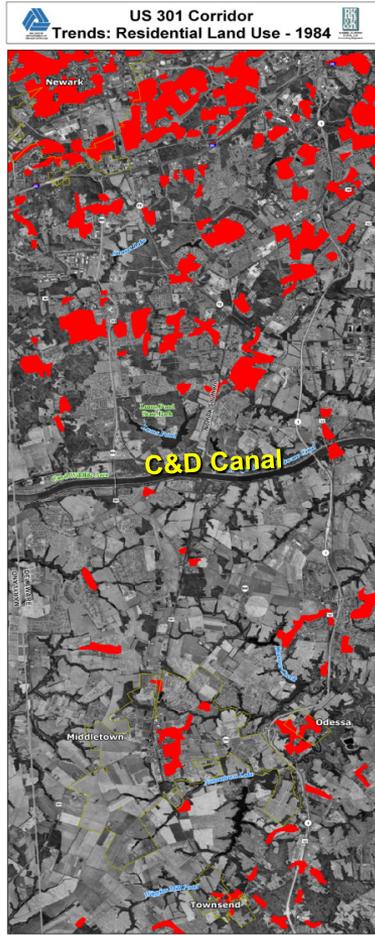
Actually Exceeded in 1998 – 8 Years



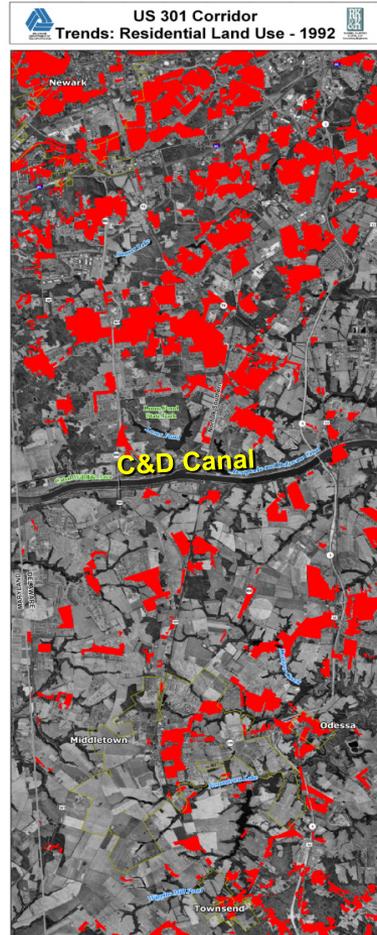
Residential Land Use Trends – South of C&D Canal

I-95 Then and Now

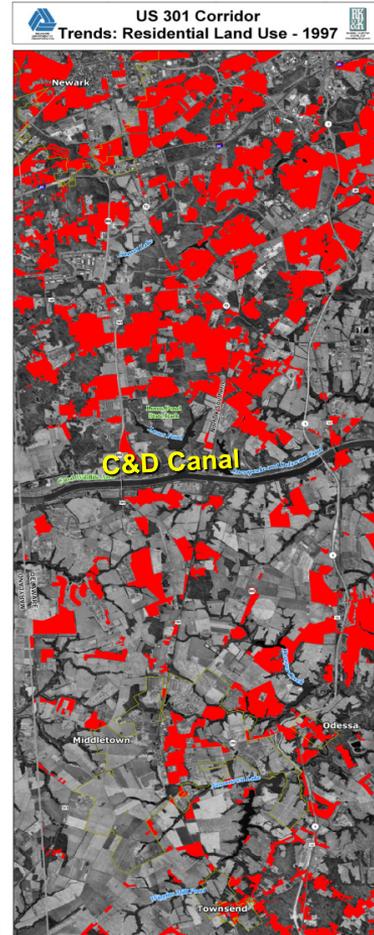
1984



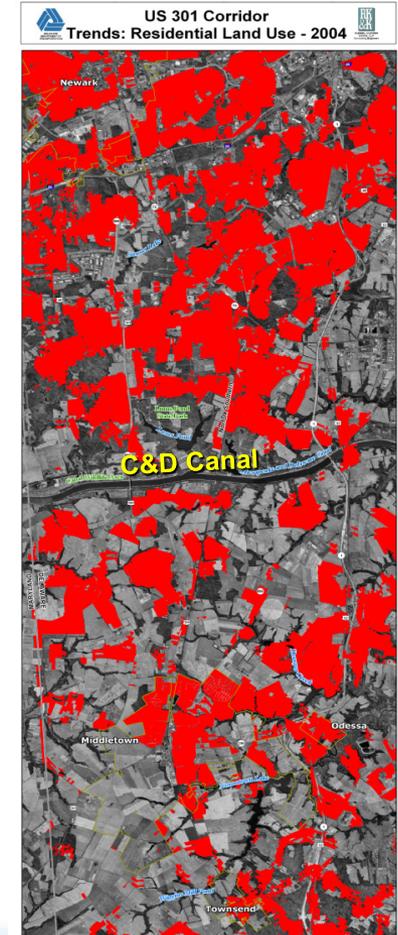
1992



1997



2004



Projects In the Current Years

- Churchman's Bridge Over I-95
- I-95 Mainline Widening
- SR 1/I-95 Interchange
- I-95 Newark Toll Plaza Highway Speed
 - E-ZPass Lanes
- I-295/13 Interchange/DRBA
- I-95 Collector-Distributor Roads (Long Range Plan)
- I-95/202 Interchange
- I-95/141 Interchange

Churchman's Road Bridge Over I-95

I-95 Then and Now



I-95 Then and Now



I-95 Then and Now

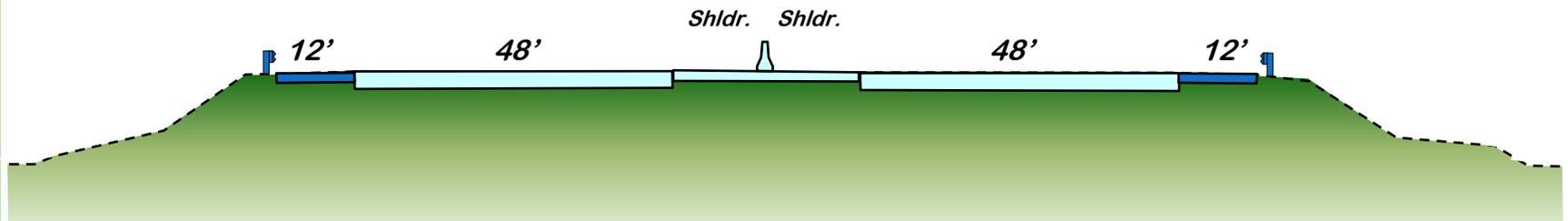


I-95 Mainline Widening



*Approx. 103' to Wetland Boundary
Southbound*

*Approx. 100' to Wetland Boundary
Northbound*

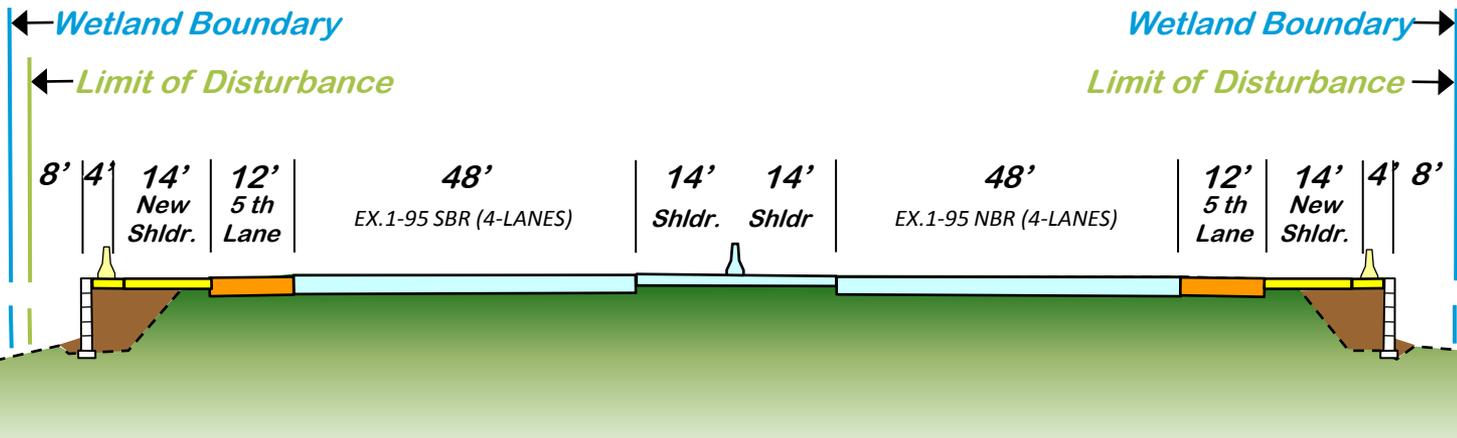


I-95 Then and Now

Selected Alternative – 5th Lane Widening on North and South Sides



I-95 Then and Now

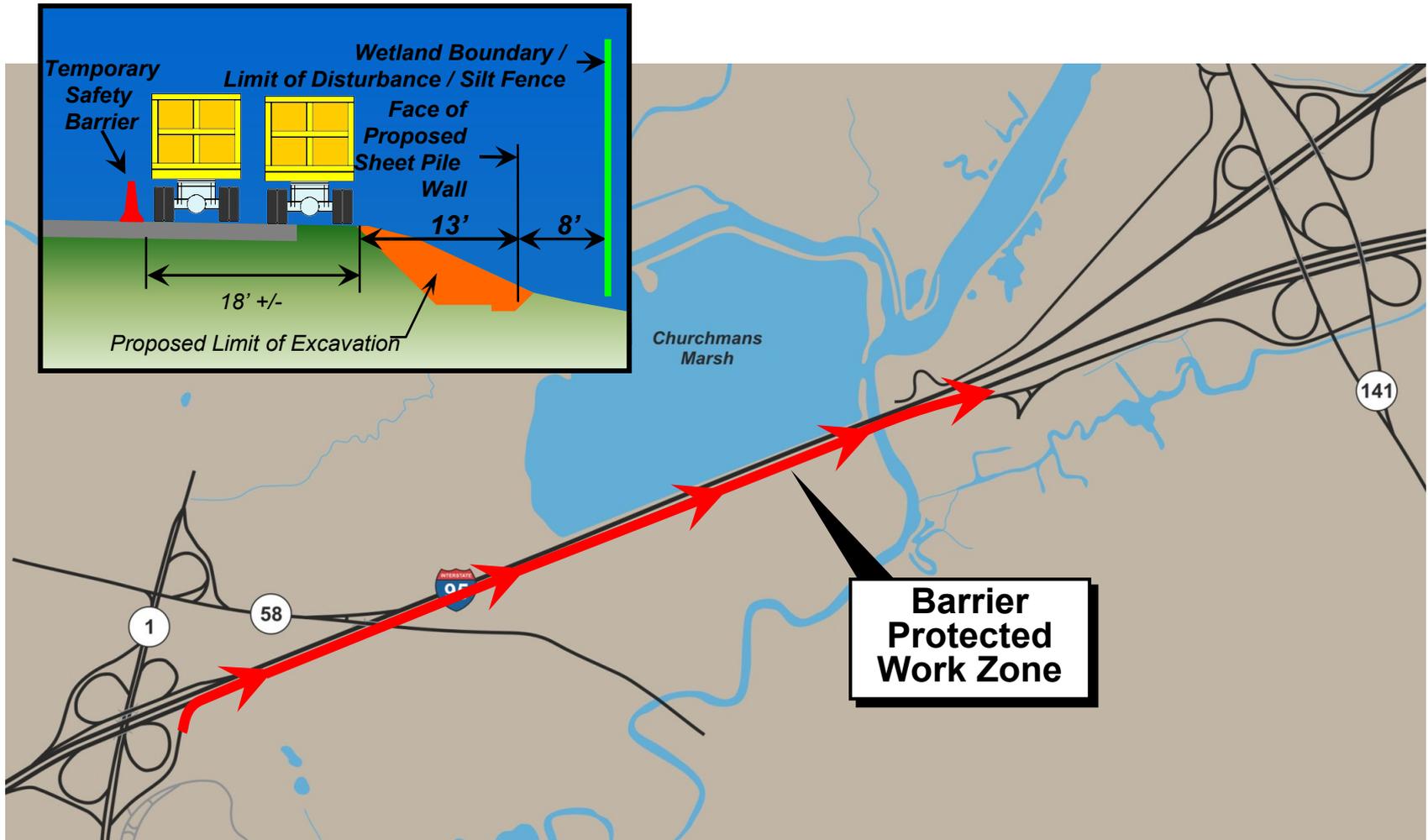


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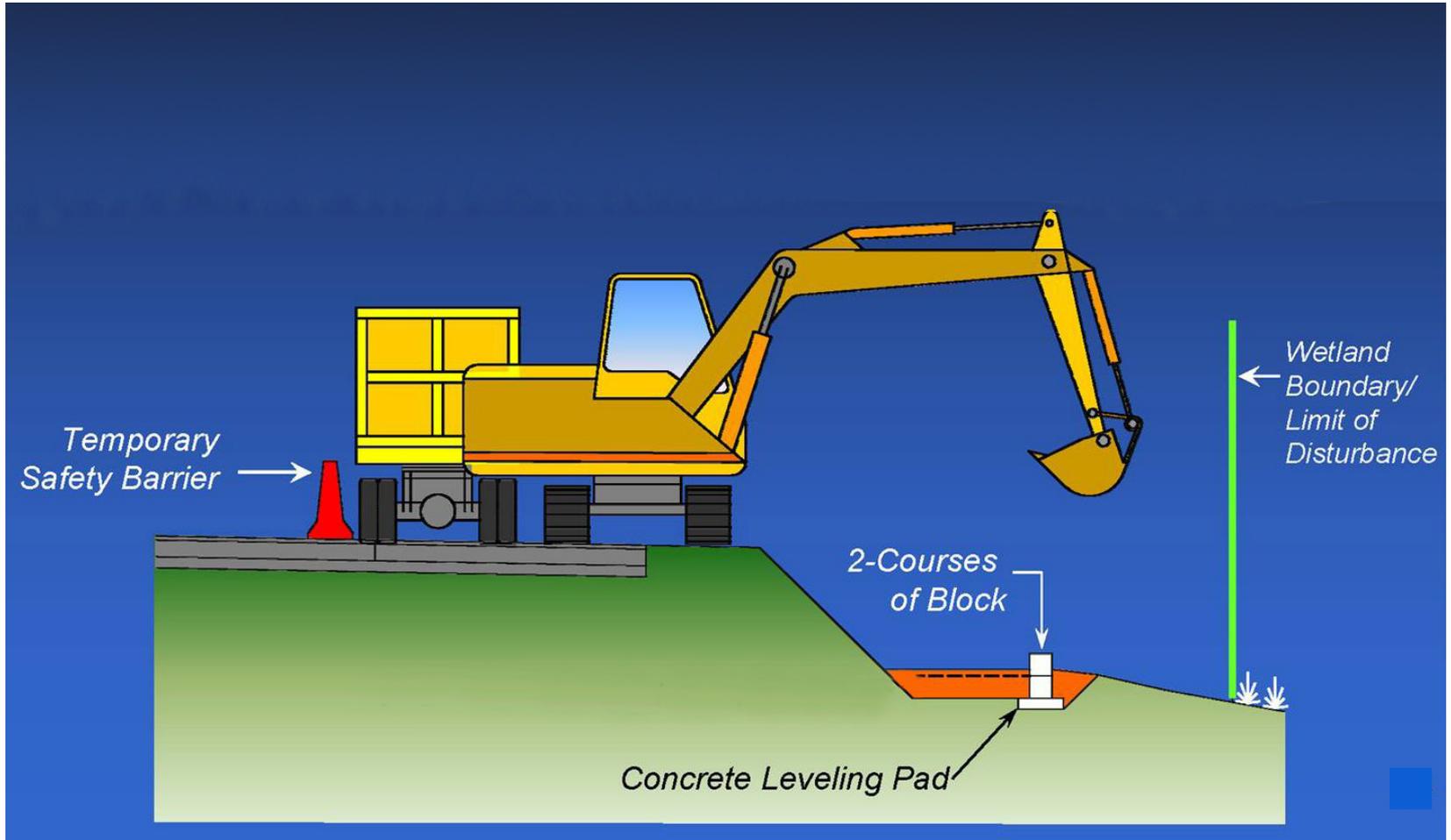
Access to NB Construction Zone

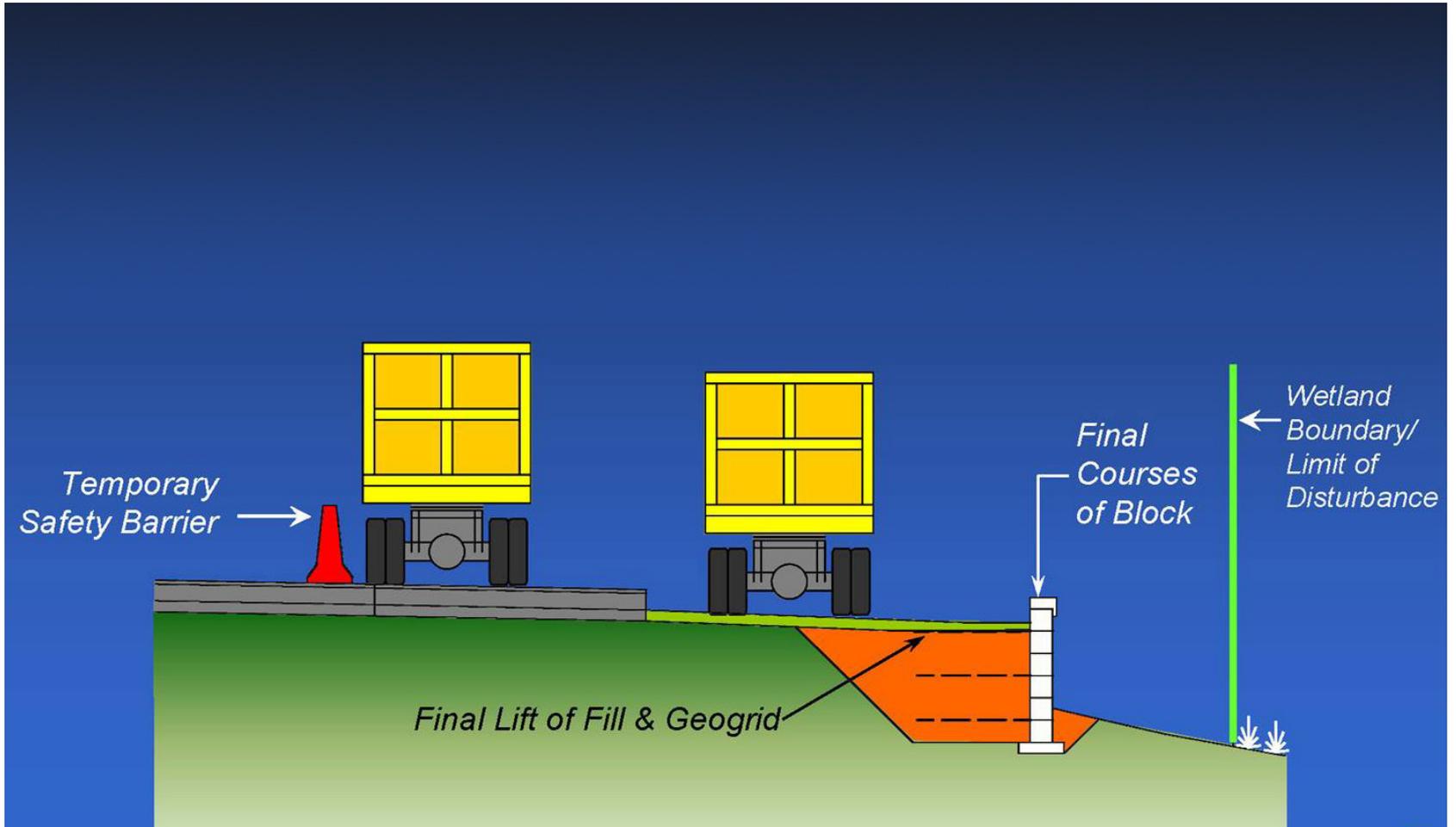
I-95 Then and Now



Limited Construction Area

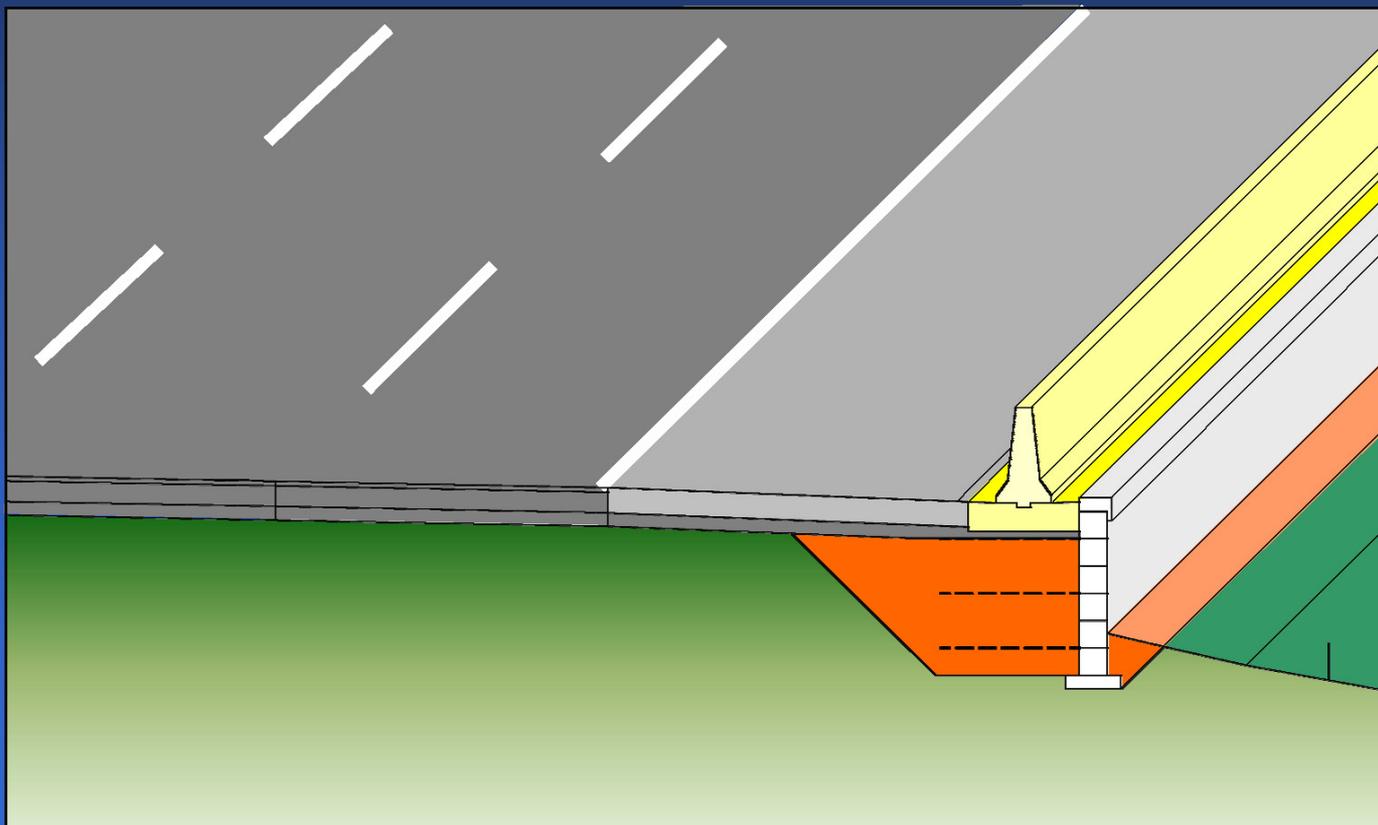
I-95 Then and Now





View of Completed Wall and Pavement

- ◆ *Remove Temporary Safety Barrier*
- ◆ *Provide final pavement markings*



I-95 Then and Now



I-95 Then and Now



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I-95 Then and Now



I-95 Then and Now



Wetland Mitigation Sites

I-95 Then and Now



Successful Project

I-95 Then and Now



I-295/US13 DRBA Program

I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



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Filling in the Bridges



I-95 Then and Now

Filling in the Bridges

I-95 Then and Now



Pedestrian Tunnel

I-95 Then and Now



Pedestrian Tunnel

I-95 Then and Now



Pedestrian Tunnel

I-95 Then and Now



I-95 Newark Toll Plaza

I-95 Then and Now



I-95 / Newark Toll Plaza – Issues

I-95 Then and Now

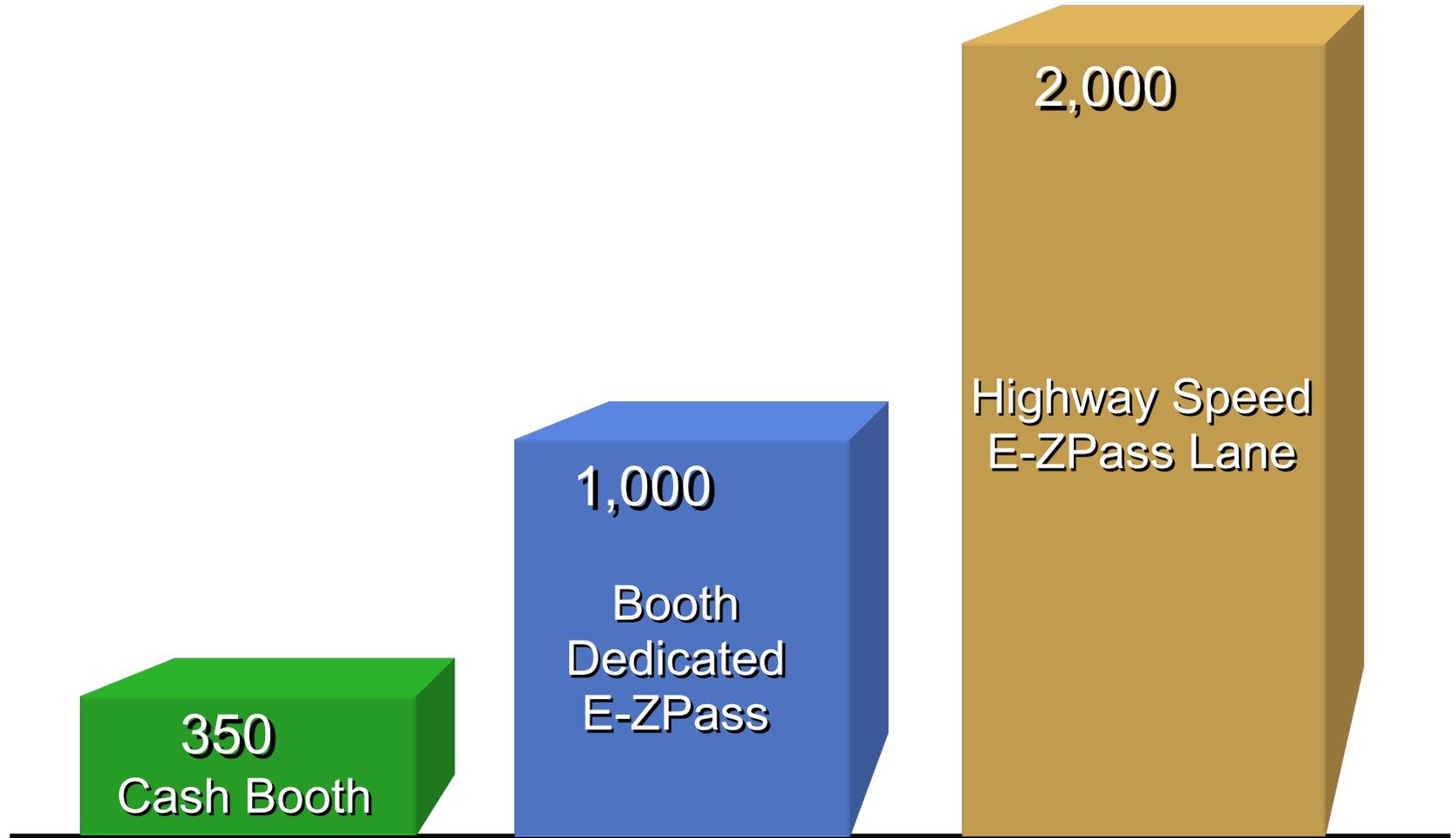


Southbound: Poor roadway alignment approaching Plaza promotes use of middle lanes, blocking access to median / E-Z Pass Only lanes

Note: Traffic cannot get to E-Z Pass Lanes

Vehicles Per Hour Per Lane

I-95 Then and Now



I-95 Then and Now



During Construction

I-95 Then and Now



During Construction

I-95 Then and Now



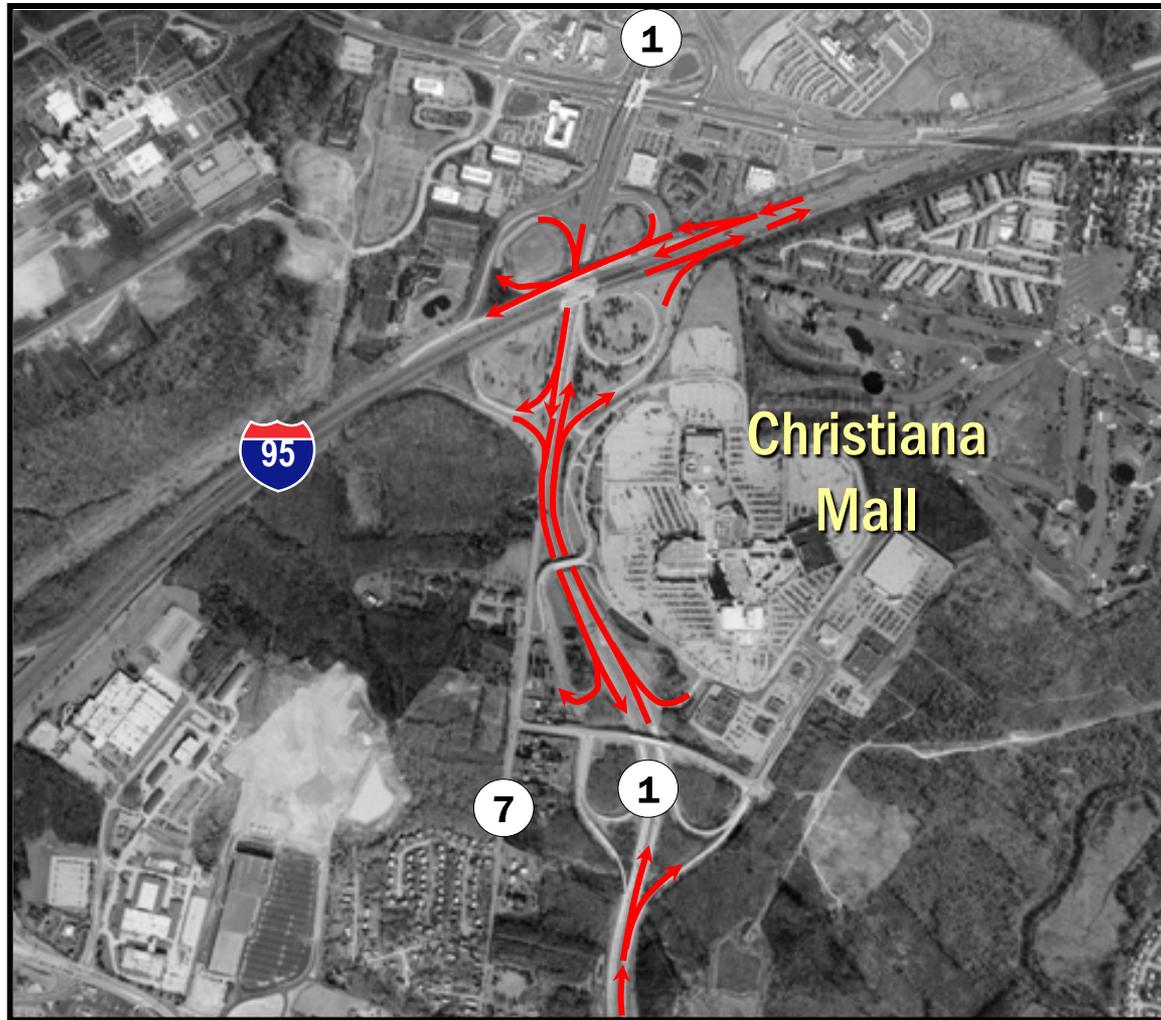
I-95/SR1 Interchange

I-95 Then and Now



Failing Movements

I-95 Then and Now



Bridge Skews – Deckover

I-95 Then and Now



Bridge Skews – Deckover

I-95 Then and Now



Cavaliers Community and Noise Mitigation

I-95 Then and Now



Cavaliers Community and Noise Mitigation

I-95 Then and Now



Cavaliers Community and Noise Mitigation



I-95 Then and Now

Proposed Project

I-95 Then and Now



(Looking North)

Alternative #1 – Landscaping

I-95 Then and Now



(Looking North)

Alternative #2 – Fence with Landscaping

I-95 Then and Now



(Looking North)

Alternative #3 – Noise Wall

I-95 Then and Now



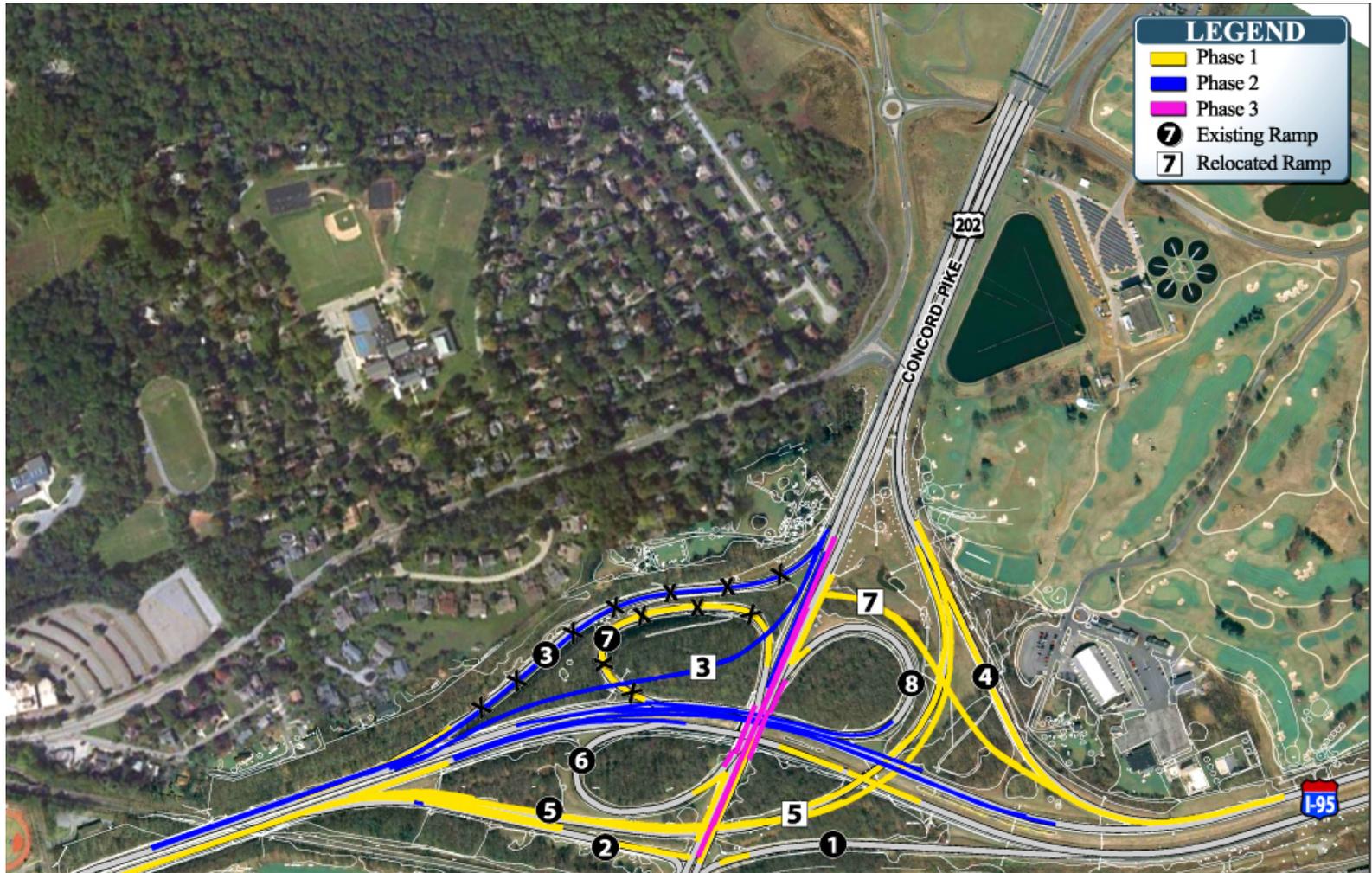
(Looking North)

I-95 Then and Now



I-95/US202 Interchange

I-95 Then and Now



Community Input

I-95 Then and Now



Community Input

I-95 Then and Now



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I-95 Then and Now

*Process Changes
for the Better*

Time is Money

I-95 Then and Now



Professional Contracting Bids the Job



Low Bid Wins the Job



I-95 Then and Now



**I can build that
job in 976 days.**

**I can build it in
950 days!**



Congratulations... Build That Job!



I-95 Then and Now

Roadside Maintenance – Mow it Down!



I-95 Then and Now

I-95 Then and Now



The Natural Look

I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



I-95 Then and Now



I-95 Then and Now





I-95 Then and Now



I-95 Then and Now



I-95 Then and Now





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I-95 Then and Now

Thank you!