I-95
Strategies to Reduce Congestion
I-95 West Widening Feasibility Study
Problem

- Peak morning and evening congestion
- 54 million annual hours of delay
  - Stamford to New Haven
- Costing $1.2 billion lost time annually

- Previously full widening in both directions was anticipated to “fix” congestion
- Major property impacts deemed widening infeasible by many
New Findings:

- **Limited, directional & strategic** widening yields major benefits
- Can be constructed within **EXISTING** DOT property
I-95 Existing West ROW

Summary of Existing Conditions on I-95

LEGEND:
- Blue = available ROW
- Useable ROW
- Auxiliary Lanes
- Gore Area
- Outside Shoulder
- Through Lanes
- Median

Greenwich | Stamford | Darien | Norwalk | Fairfield | Bridgeport | Stratford | Milford | West Haven

Blue = available ROW
I-95 West – Incremental Strategies

• Multiple locations studied
• Three key areas:
  – Fairfield to Bridgeport Northbound 6.3 miles
  – Stamford to NY Southbound 9.3 miles
  – Stamford to Fairfield Northbound 11.1 miles
I-95 West Recommended Improvements

**PROJECT COSTS:**

- Exit 19 to Exit 27A Northbound Widening (Fairfield to Bridgeport): $399M
- Exit 0 to Exit 7 Southbound Widening (NY State Line to Stamford): $659M
- Exit 9 to Exit 19 Northbound Widening (Stamford to Fairfield): $1,257M
I-95 West Multiple Segments Evaluated

**Single illustration provided**

**Strategic Improvement:**

Northbound Exit 19 - 28
to remove bottleneck

**ADD 1 NB lane: exit 19 to exit 28**
(no widening in SB direction)
Reduction in Trip Time from NY to “Bridgeport”
northbound in weekday PM peak (3:00 - 7:00 PM)

I-95 Northbound Improvements, Exit 19-28
Congestion Reduction Findings: ‘Trip Time’ on I-95, NYS – Bridgeport

2040
Do Nothing
63

2040*
Widen Between Exits 19-28
41

22-minute savings in travel time (35%)
Also reduces overall hours of delay by 64%

* 1 Lane added northbound between Exits 19 and 28
**I-95 West Targeted Widening Projects**

**Limited Widening Strategy:**
top 3 projects in order of congestion reduced

<table>
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<tr>
<th>Cumulative Cost</th>
<th>Project</th>
<th>Project Cost (^{(2)})</th>
<th>Dir.</th>
<th>Limits</th>
<th>exits</th>
<th>miles</th>
<th>Vehicle Hours Delay reduced</th>
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<td>$399,000,000</td>
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<td>Fairfield – Bridgeport</td>
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<td>6.3</td>
<td>64%</td>
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<td>$659,000,000</td>
<td>SB</td>
<td>NY - Stamford (^{(1)})</td>
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<td>Stamford - Fairfield</td>
<td>9-19</td>
<td>11.1</td>
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(1) Includes bridge 0032
(2) 2022 costs
I-95 East Widening Study
Problem - Congestion

• Congestion

**Branford to Route 9**
- Typical *weekday* commute congestion pattern

**Route 9 to RI**
- **Seasonal**: summer recreational season
  - severe congestion compounded by accidents
  - congestion hurts tourism-based economy (complaints by Mystic area tourists)
- **Weekend**: weekend traffic is primary problem
I-95 East: Safety a Major Concern

High number of accidents & severity

*Branford – RI 2014, 2015, 2016*

3,380 TOTAL CRASHES

23 fatalities

997 injuries
I-95 East Congestion

Delay= Up to 12 min. NB
Duration= At least 4 hrs.
10 AM to 5 PM

Delay= Up to 13 min. SB
Duration= At least 6 hrs.
10 AM to 5 PM

Delay= Up to 11 min. SB
Duration= At least 7 hrs.
11 AM to 8 PM

Delay= Up to 16 min NB
Duration= At least 7 hrs.
10 AM to 6 PM

26 miles

17 miles

<20 mph
20-35 mph
I-95 East Proposed Project Improvements

Short Term Improvements:
- Exit 54 to Exit 55 Widening: $81M
- Exit 88, 89 and 90 Improvements: $70M

Mid-Range Improvements:
- I-95 & I-395 Interchange & Widening: $900M
- Exit 70 to Exit 74 Widening: $510M
- Exit 80 to Exit 82A Widening: $260M
- I-95/Route 32 Interchange: $40M-$60M

Long-Range Improvements:
- Exit 54 to Exit 69 Widening: TBD
Requires further study