

Agency Coordination Meeting #4

**I-295/I-76/RT. 42
INTERCHANGE**

**History of
Studies and Findings
1987-2003**

March 26, 2003

PRESENTATION OVERVIEW

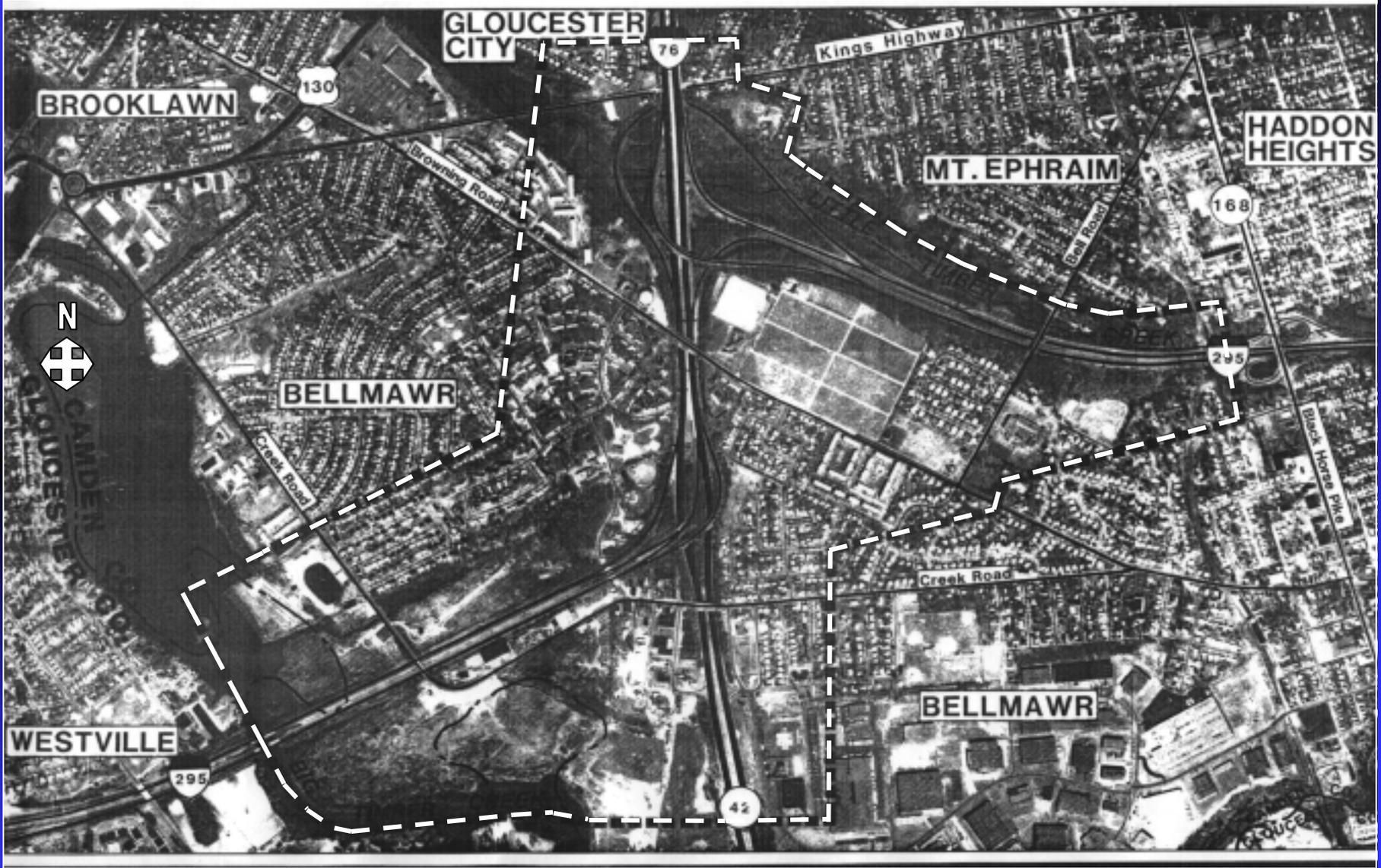
- 1985 NJDOT Begins Design of Route 42 Widening
- 1987 Preliminary Alternative Report
- 1990 Final Alternatives Report
- 1990-1993 Review of Impacts/Alternative Studies
- 1996 Draft Summary Report
- 1997 I-295/Route 42 Missing Moves Study
- 1997 Buchart Horn Interchange Study
- 1998 Revision to Buchart Horn Interchange Study
- 1999 Transportation Investment Study
- 1999 Missing Moves Concept Development
- 2000 – Present Dewberry EIS
- 2001 Missing Moves Feasibility Assessment

PROJECT LOCATION



1987
PRELIMINARY
ALTERNATIVES REPORT

Original Study Boundaries



Preliminary Alternatives Report

November, 1987

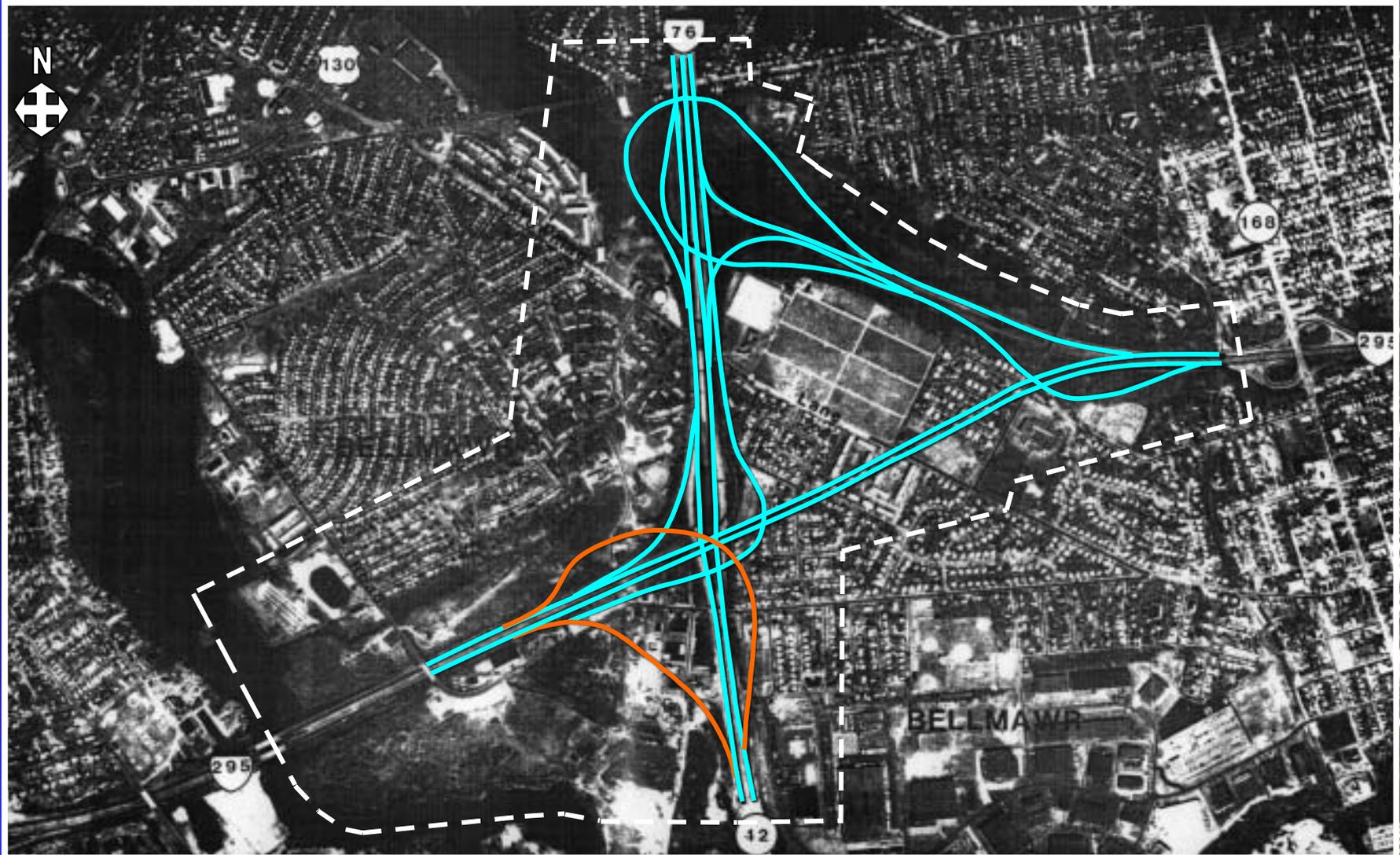
ALTERNATIVE 1 – I-295 DIRECT WITH LOOP RAMPS



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 2 – I-295 DIRECT WITH FLYOVER RAMPS



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 3 – I-295 INDIRECT WITH EXPANDED RAMPS



Preliminary Alternatives Report

November, 1987

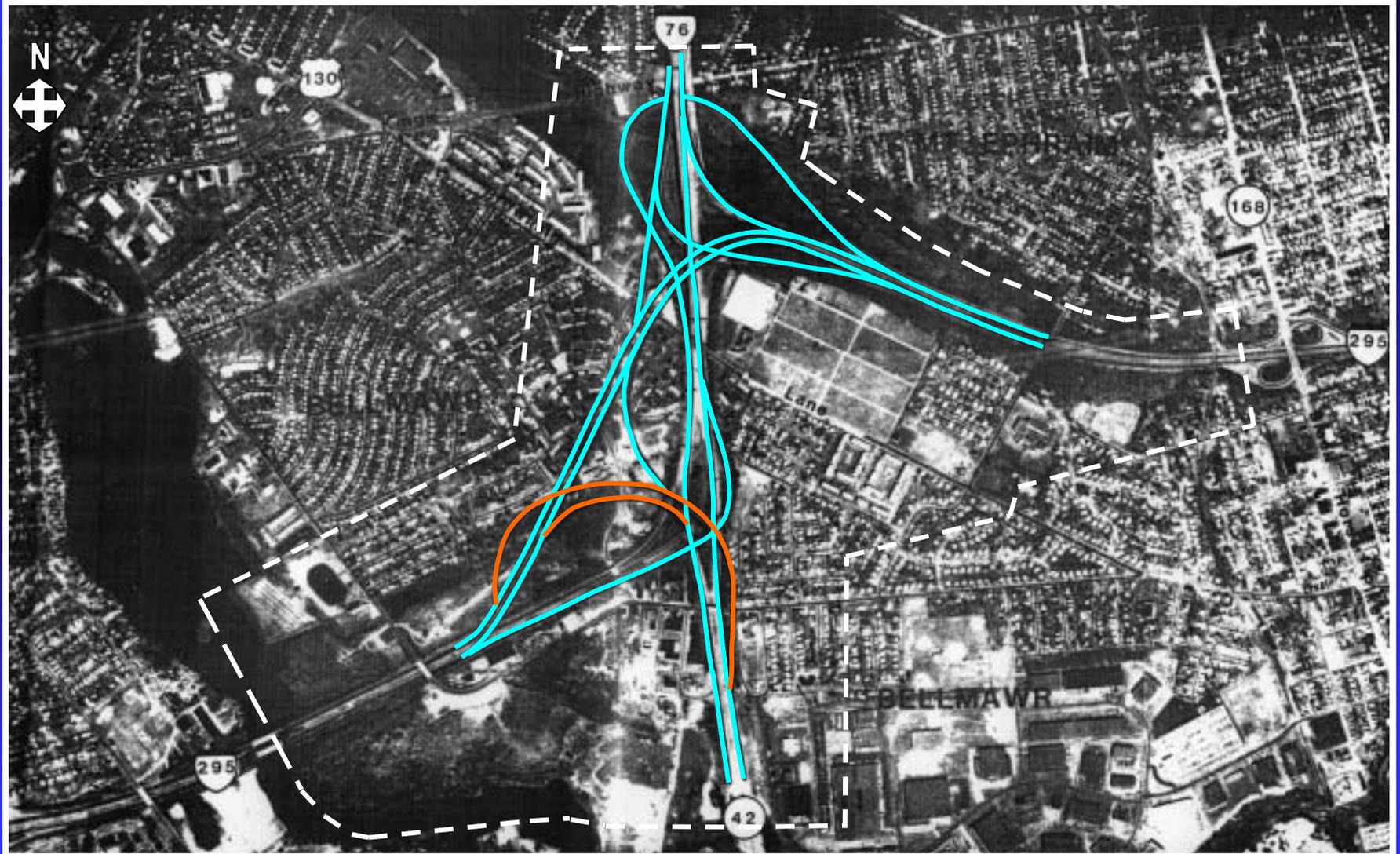
ALTERNATIVE 4 – I-295 INDIRECT WITH TIGHT RAMPS



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 5 – I-295 INDIRECT WITH TIGHT ALIGNMENT



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 6 – I-295 MAINLINE ON RAMP



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 7 – I-295 MAINLINE ON RAMP, MODIFIED



Preliminary Alternatives Report

November, 1987

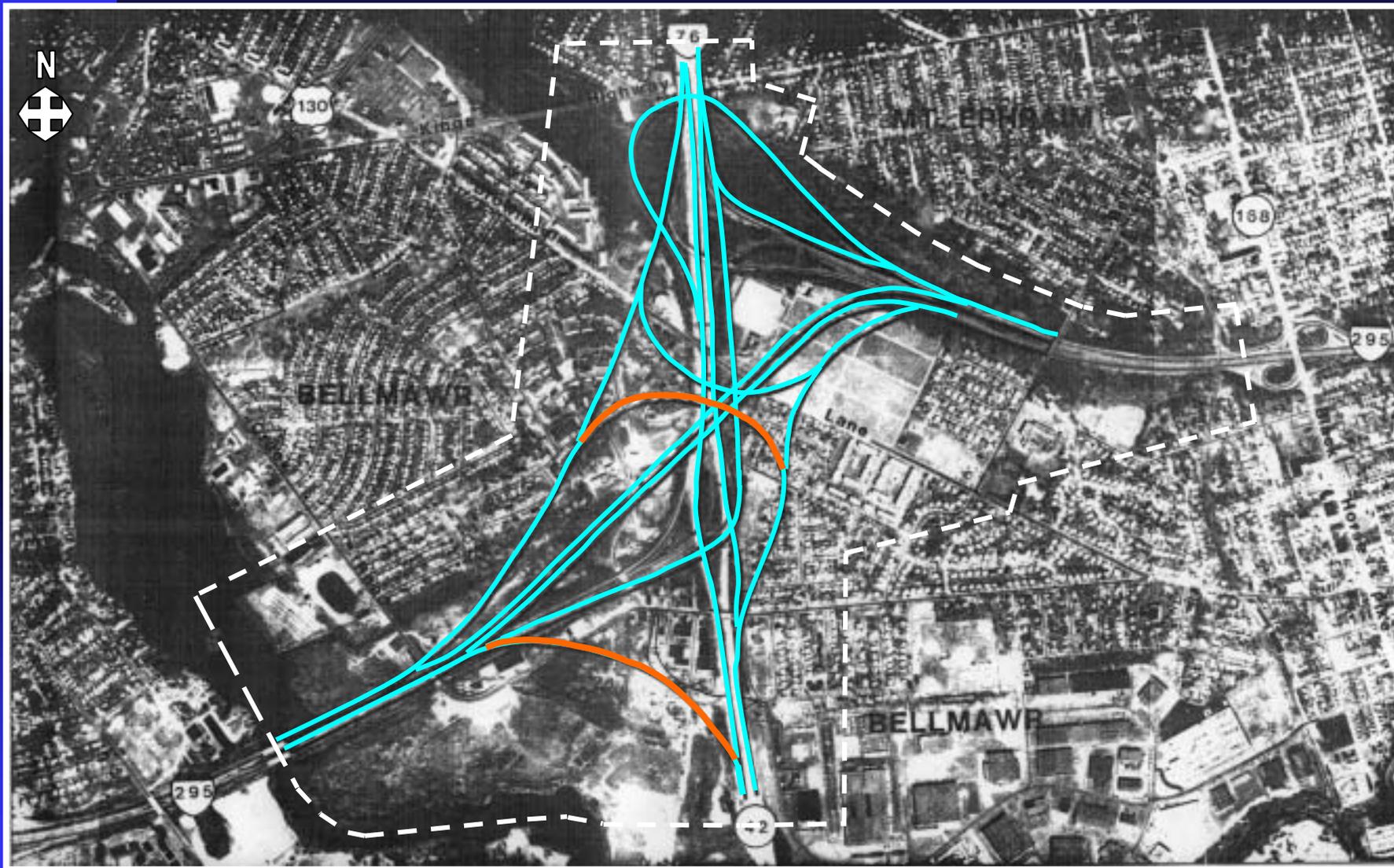
ALTERNATIVE 8 – COLLECTOR-DISTRIBUTOR



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 9 – DIRECTIONAL INTERCHANGE



Preliminary Alternatives Report

November, 1987

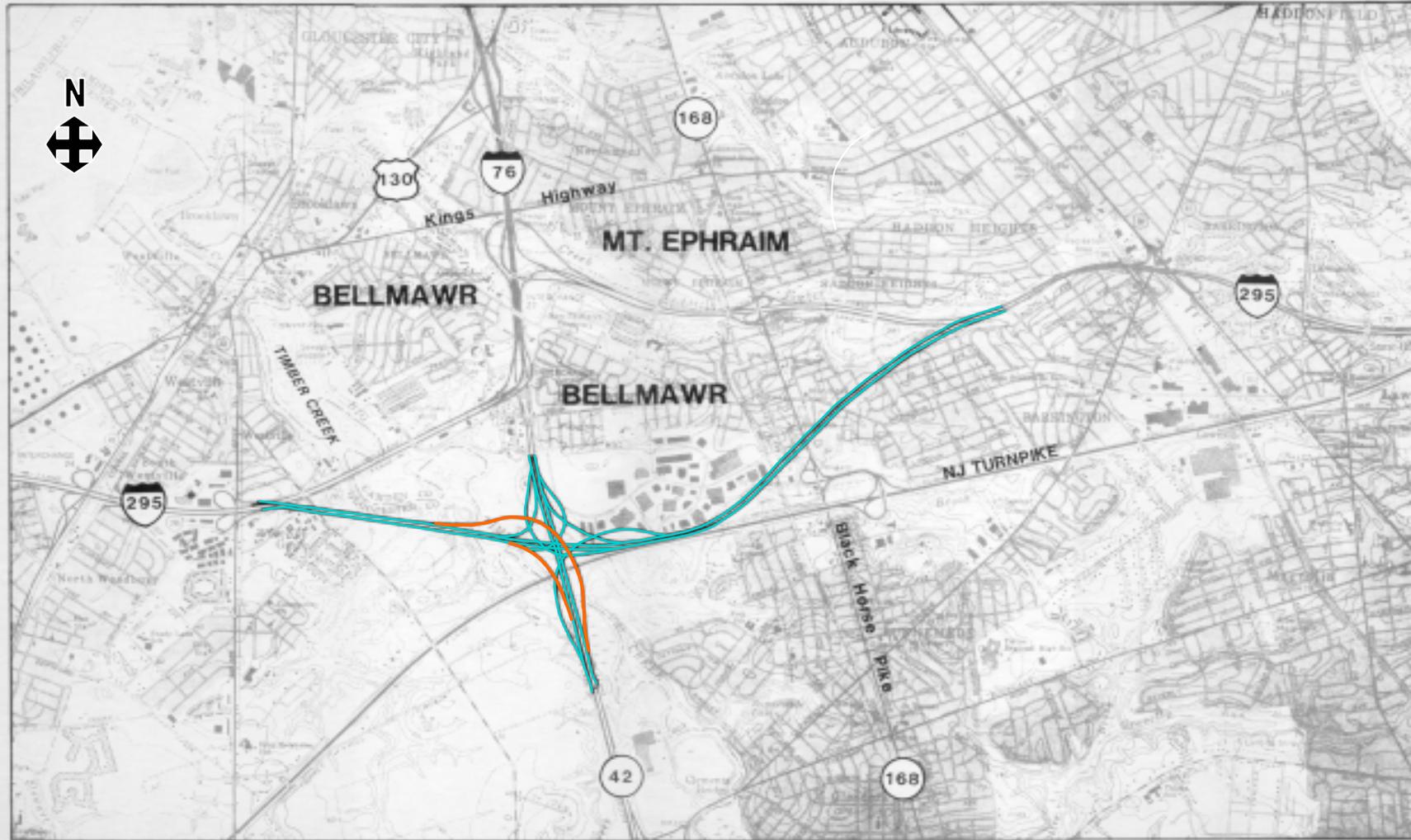
ALTERNATIVE 10 – DIRECTIONAL INTERCHANGE, MODIFIED



Preliminary Alternatives Report

November, 1987

ALTERNATIVE 11



Preliminary Alternatives Report

November, 1987

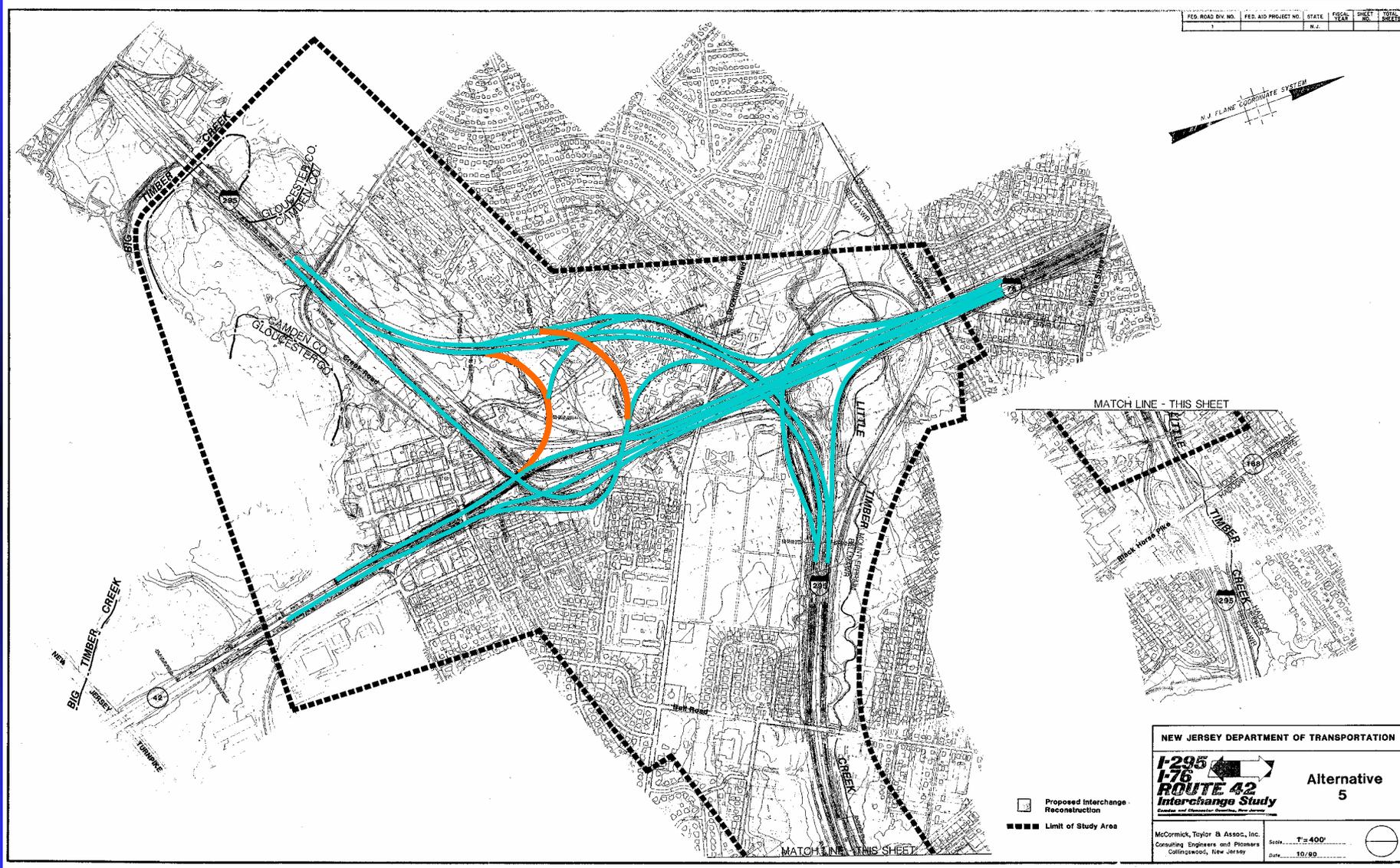
1987 PRELIMINARY ALTERNATIVES REPORT

- Report Evaluated 11 Alternatives for:
 - ◆ Impacts (Community, ROW, Wetlands, Etc.)
 - ◆ Operational Safety Improvements
 - ◆ Weaving Sections

- Recommendations:
 - ◆ Alternatives 2,3,5,9,10 Move Forward (2&10 Combined for Further Study)
 - ◆ Alternatives 1,4,6,7,8,11 Eliminated

**FINAL ALTERNATIVES
REPORT
OCTOBER, 1990**

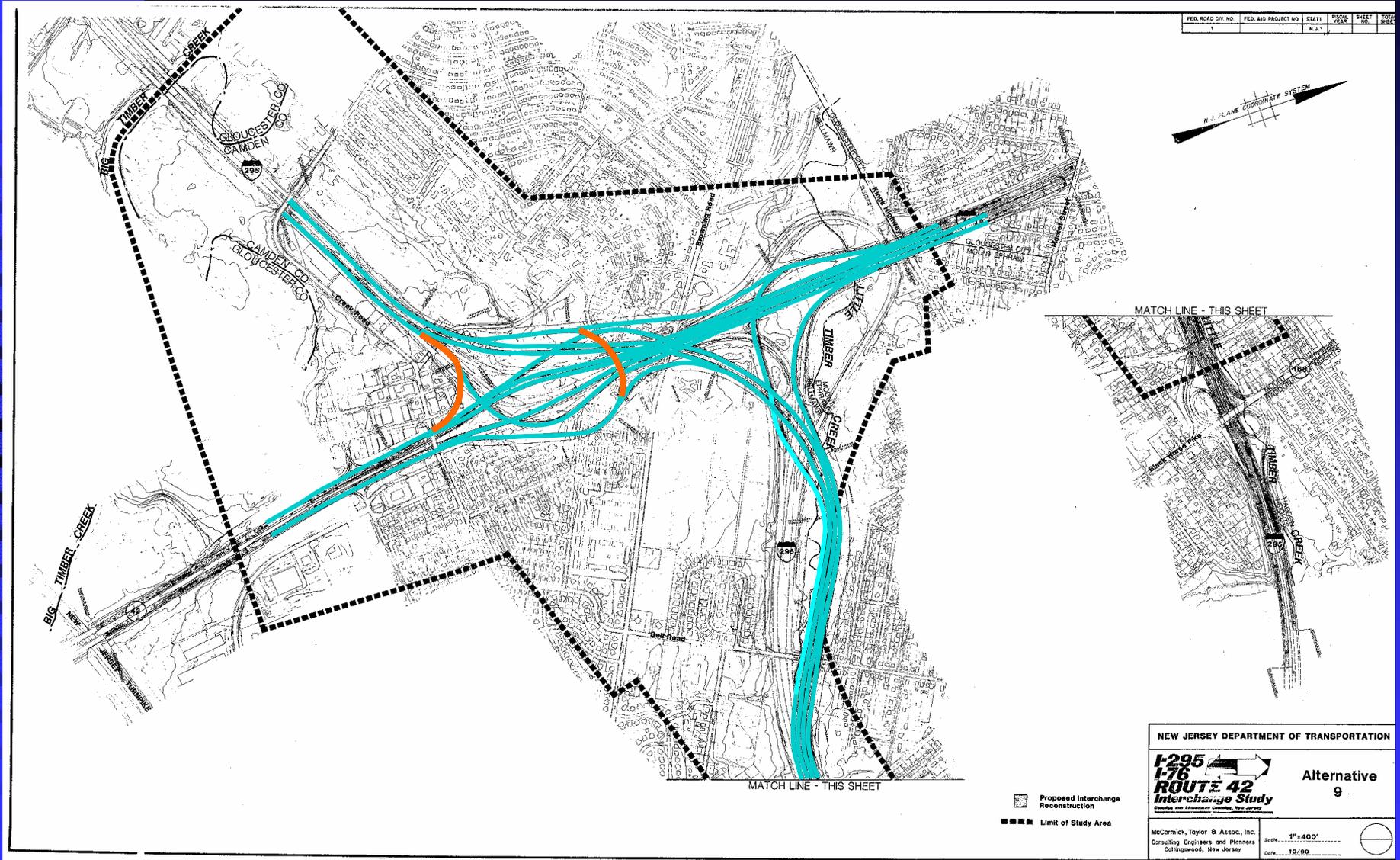
ALTERNATIVE 5



Final Alternatives Report

October, 1990

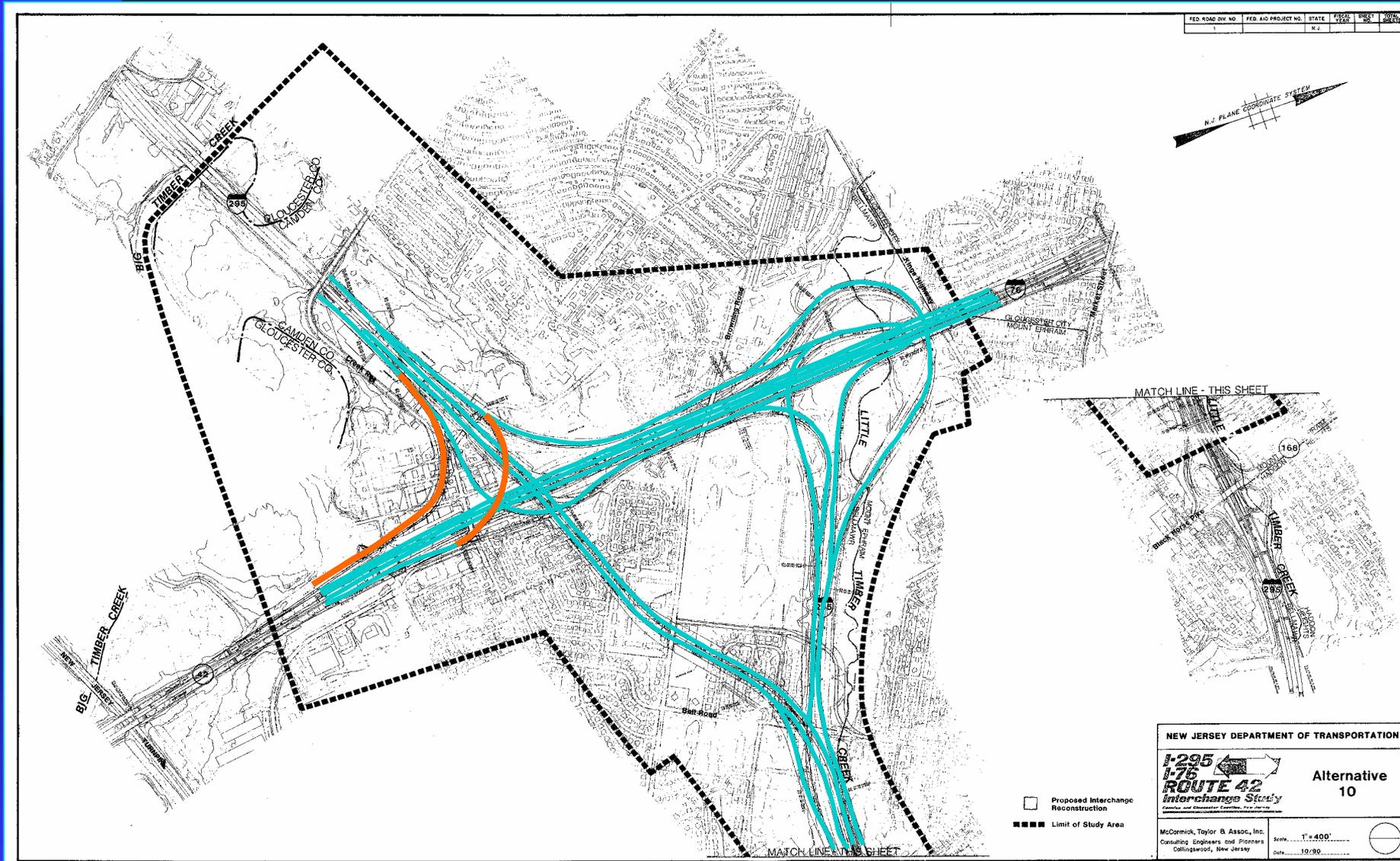
ALTERNATIVE 9



Final Alternatives Report

October, 1990

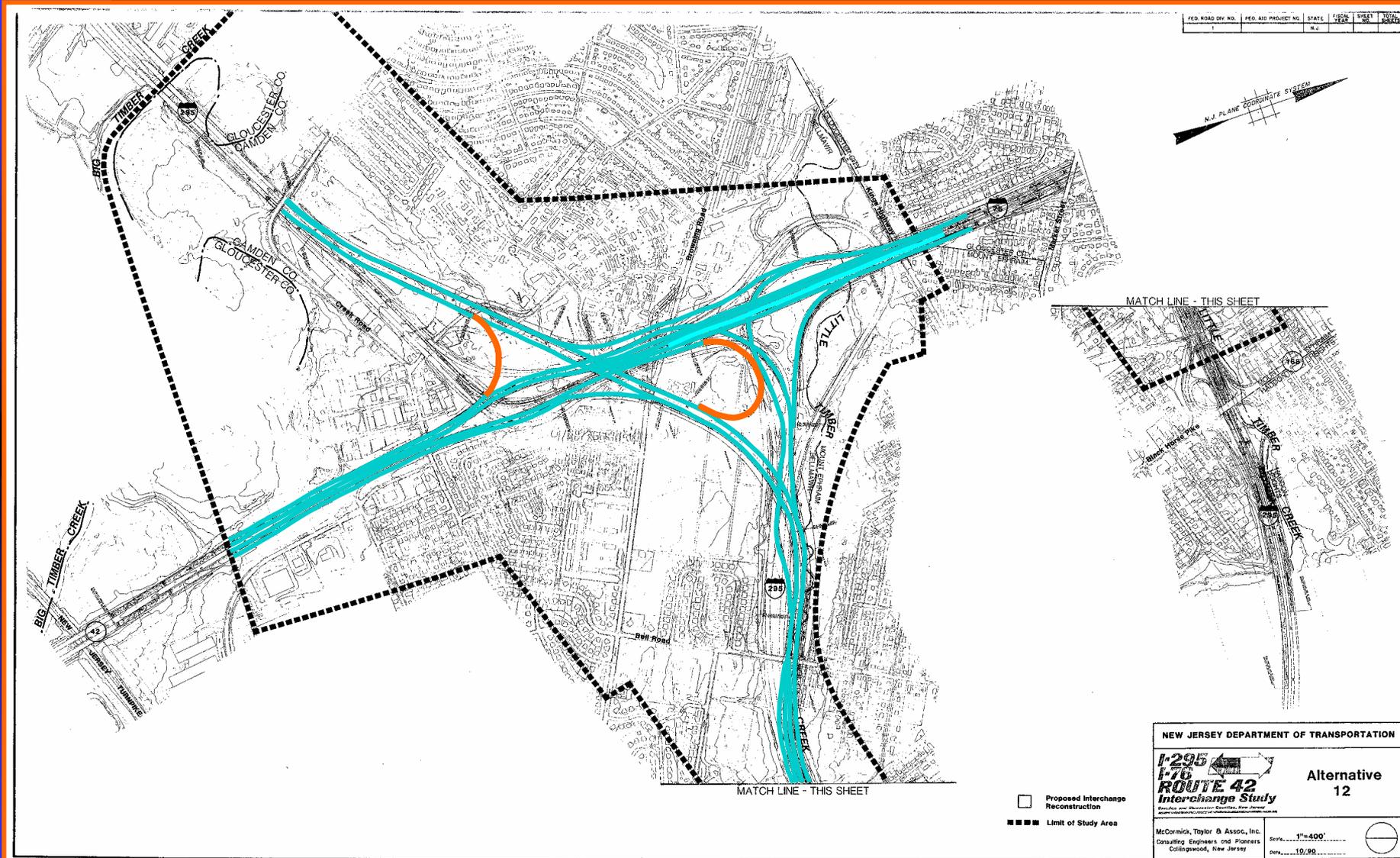
ALTERNATIVE 10



Final Alternatives Report

October 1990

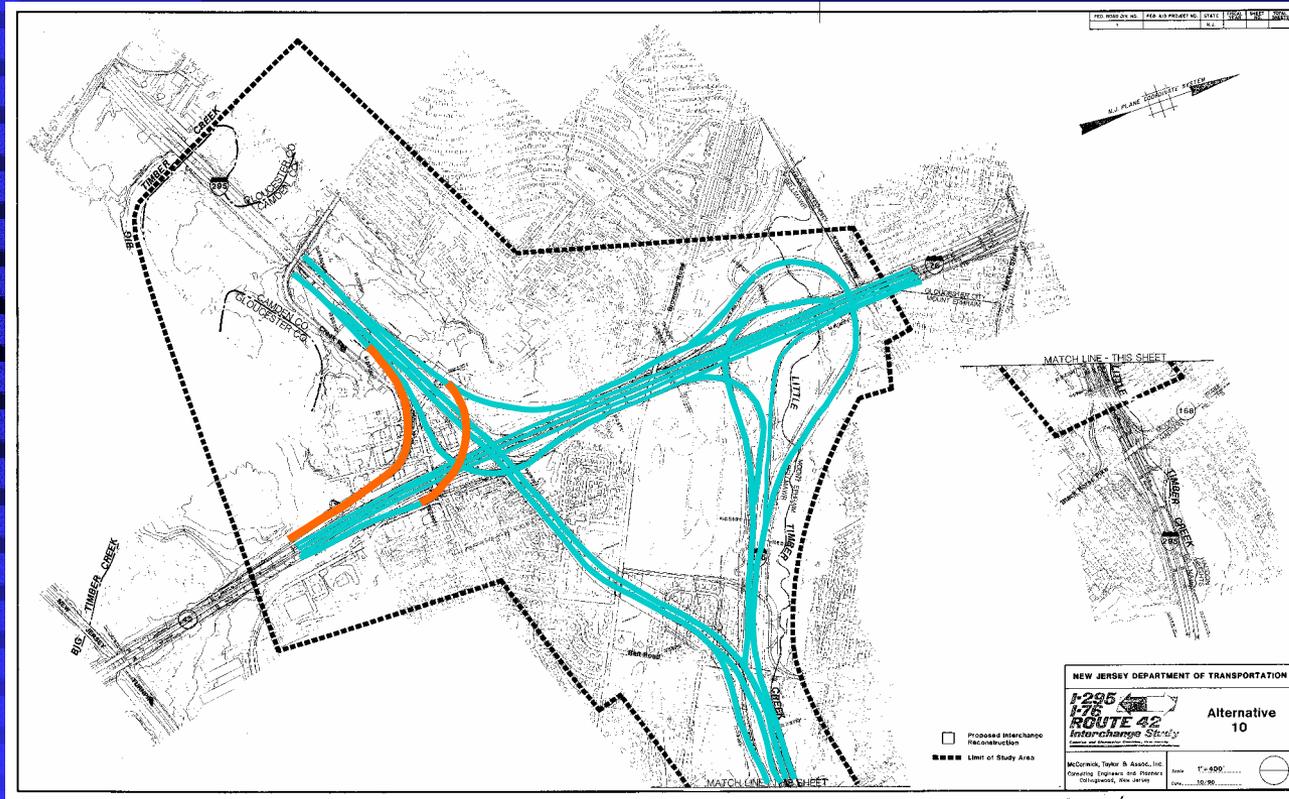
ALTERNATIVE 12



1990 FINAL ALTERNATIVES REPORT

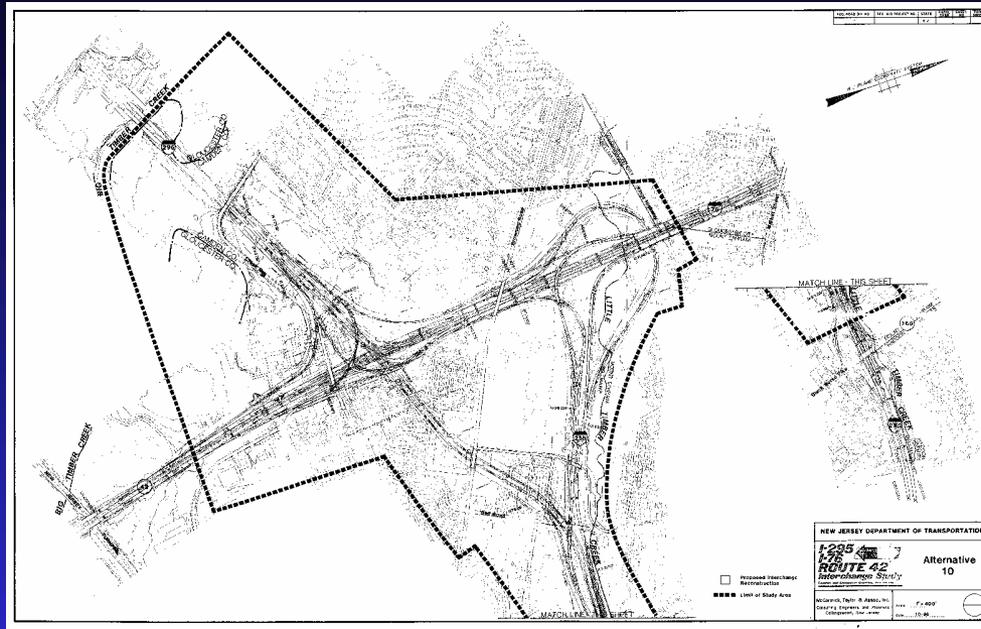
- Report Evaluated Four Alternatives for:
 - ◆ Impacts (Wetlands, ROW, Community, Etc.)
 - ◆ Construction Costs
 - ◆ Geometry
 - ◆ Operational Safety
- Recommendations:
 - ◆ Alternative 10 Moved Forward
 - ◆ Alternatives 5,9,12 Eliminated

ALTERNATIVE 10



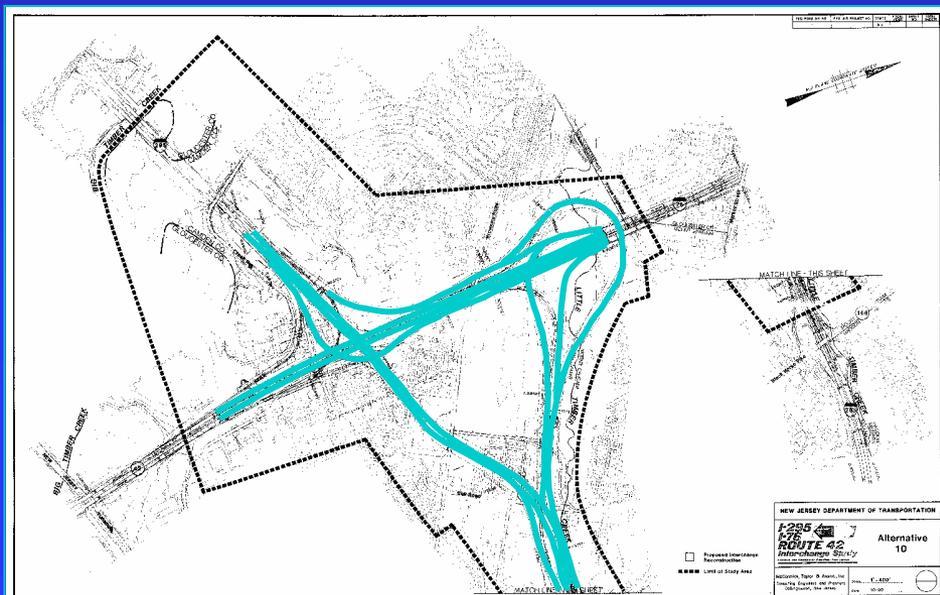
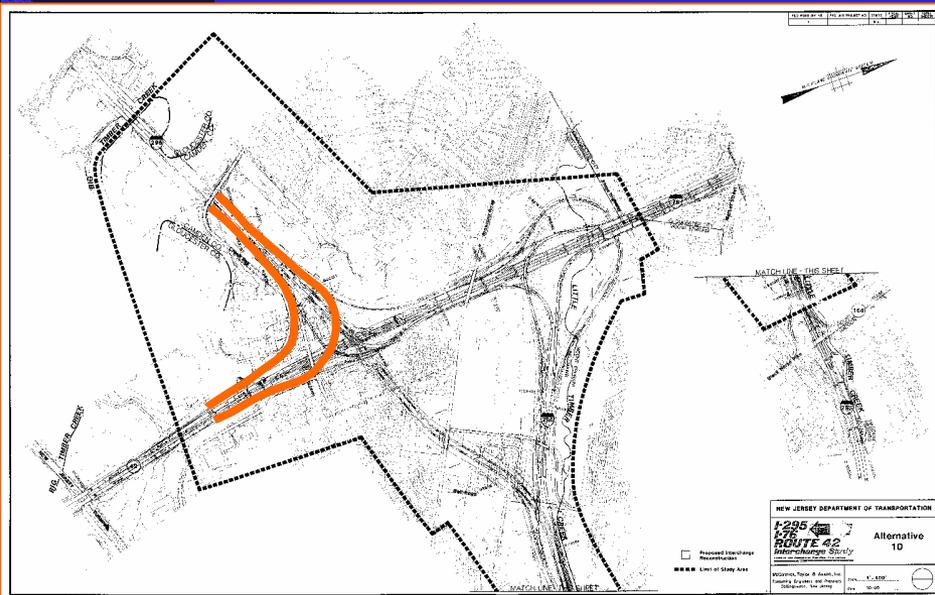
- Moderate Constructability
- 79 Homes Displaced
- Industrial Displacements
- Wetlands Impacts

Alternate # 10



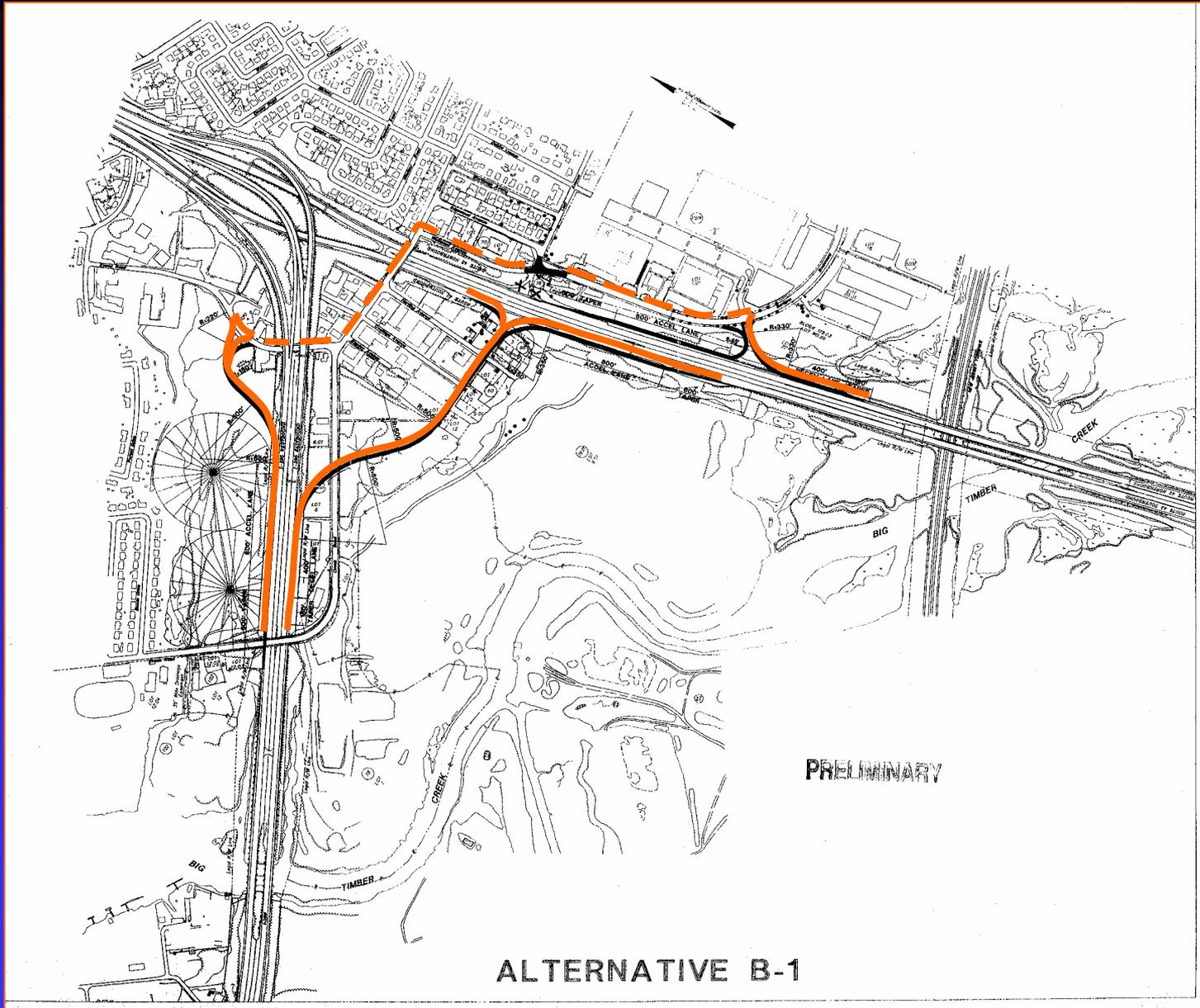
Missing Moves

I-295/I-76/Rt.42 Interchange



**I-295/ROUTE 42 MISSING
MOVES STUDY
JULY, 1997**

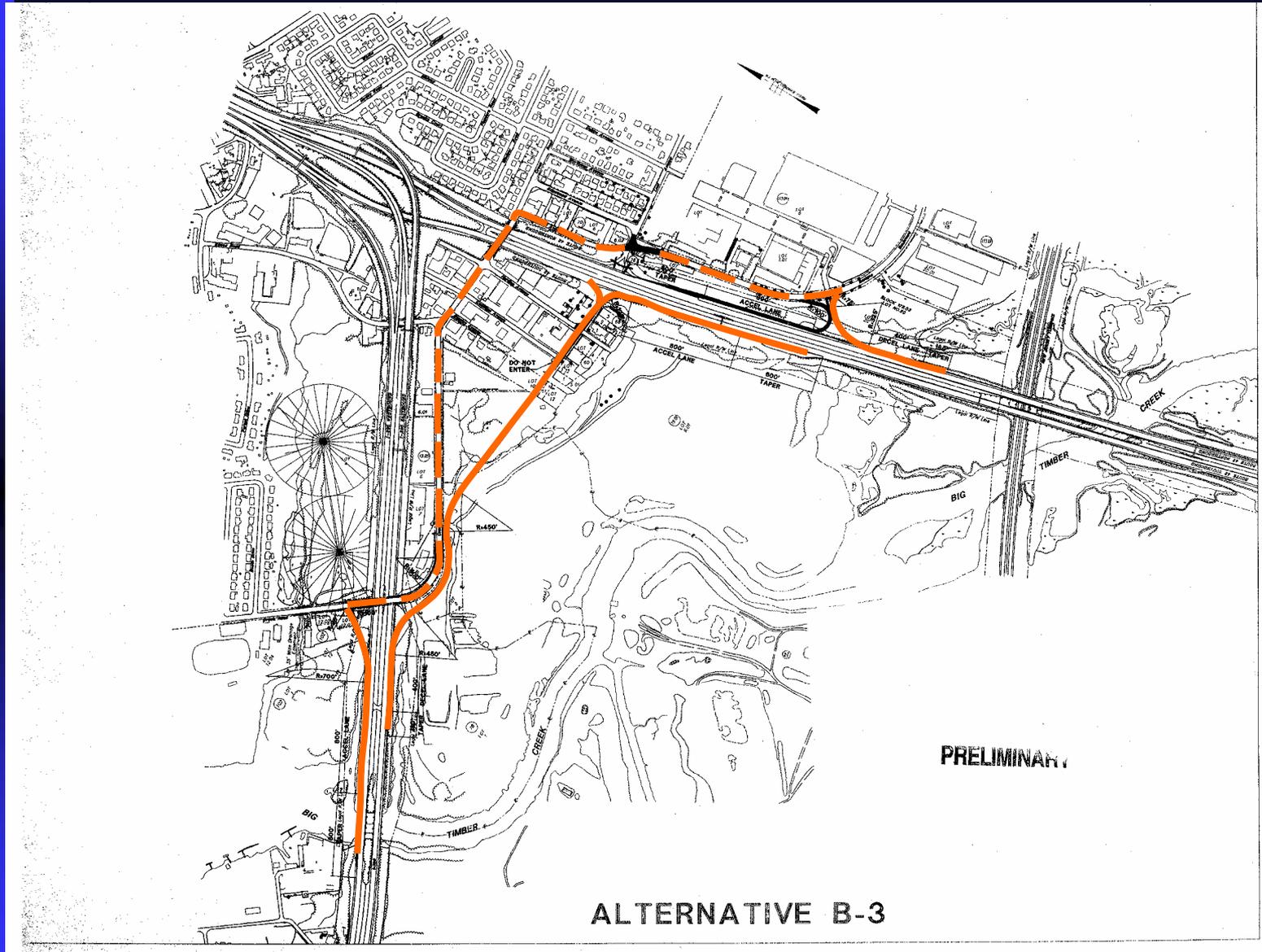
ALTERNATIVE B-1



I-295/Route 42 Missing Moves Study

July, 1997

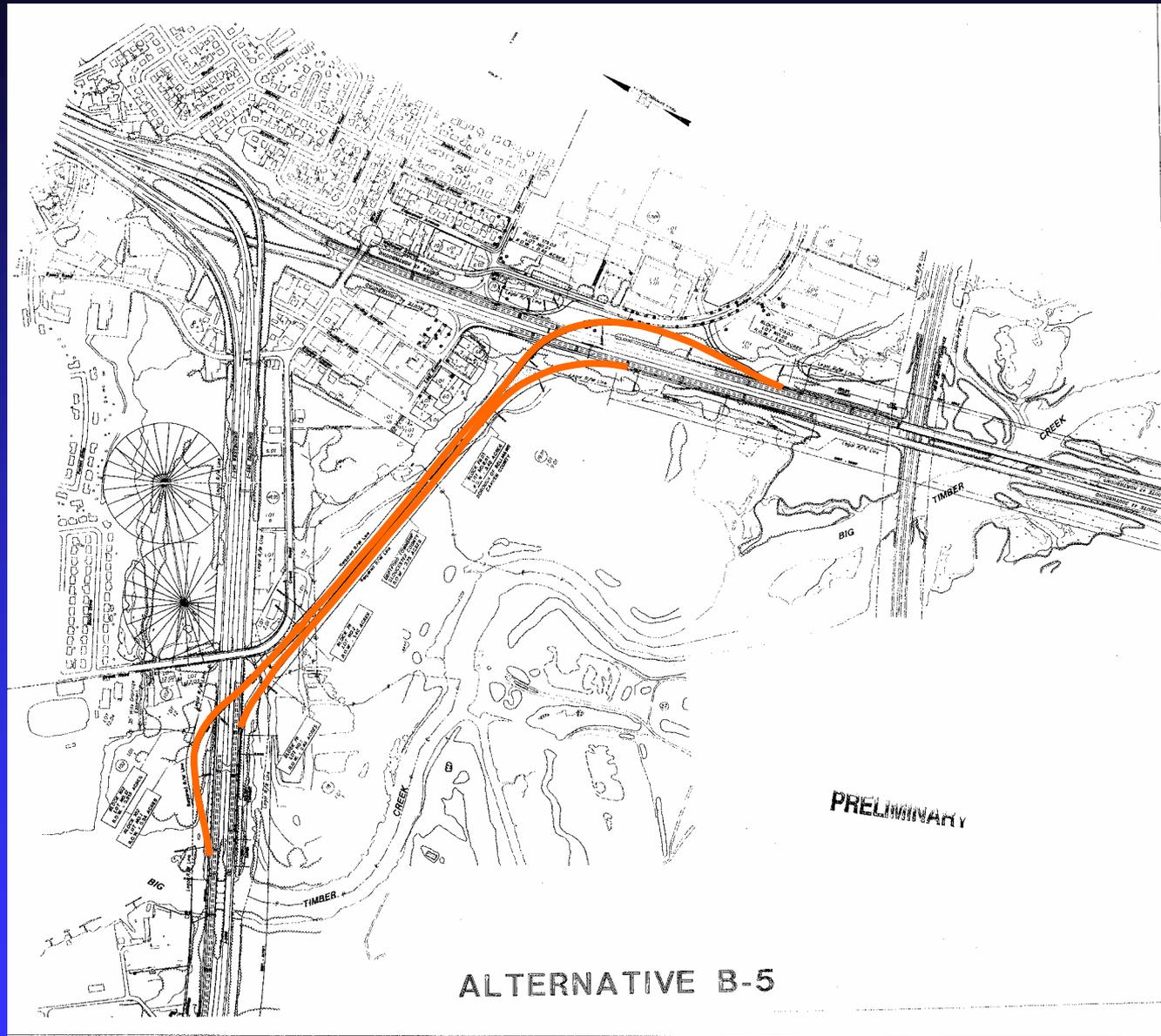
ALTERNATIVE B-3



I-295/Route 42 Missing Moves Study

July, 1997

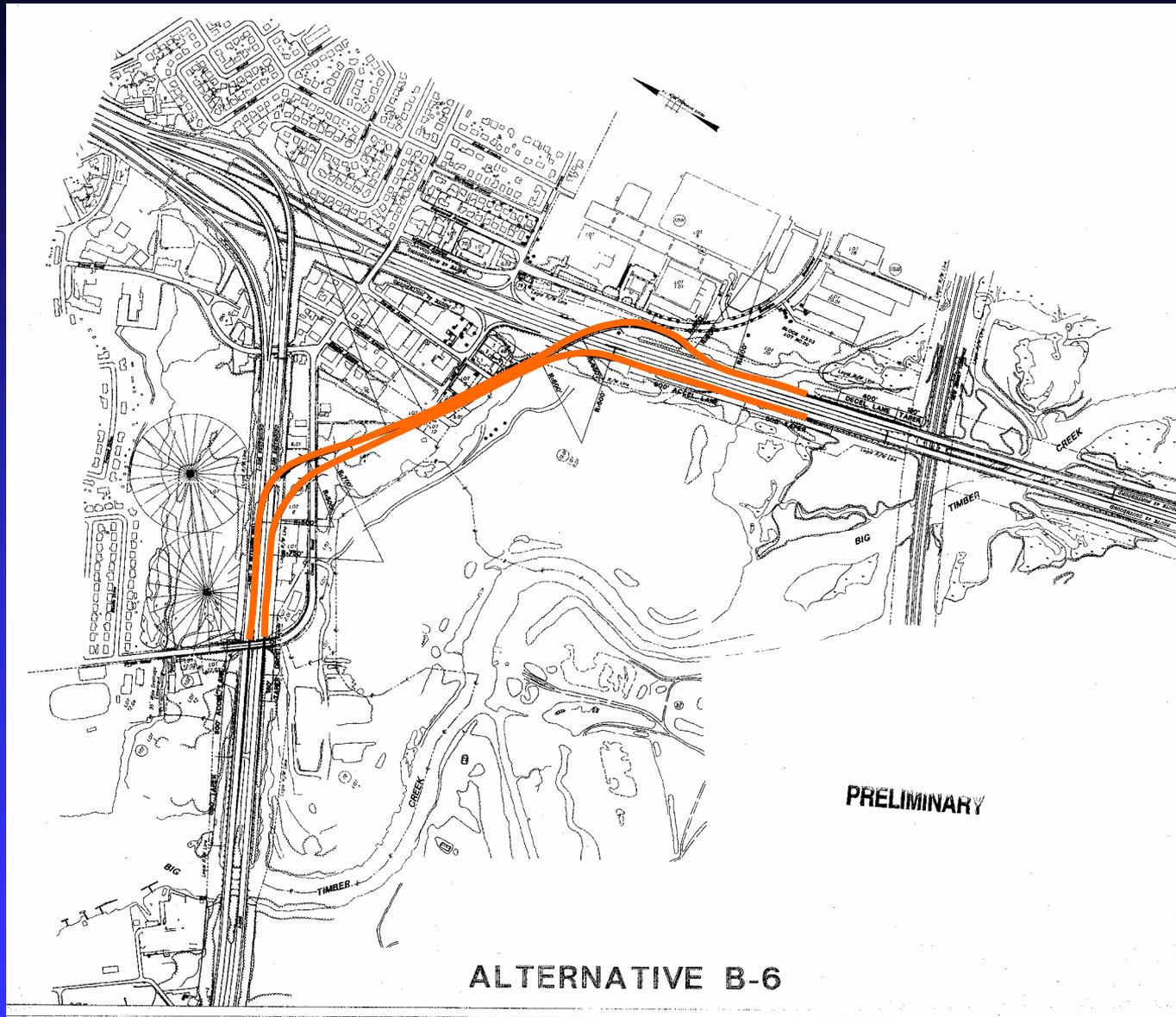
ALTERNATIVE B-5



I-295/Route 42 Missing Moves Study

July, 1997

ALTERNATIVE B-6



I-295/Route 42 Missing Moves Study

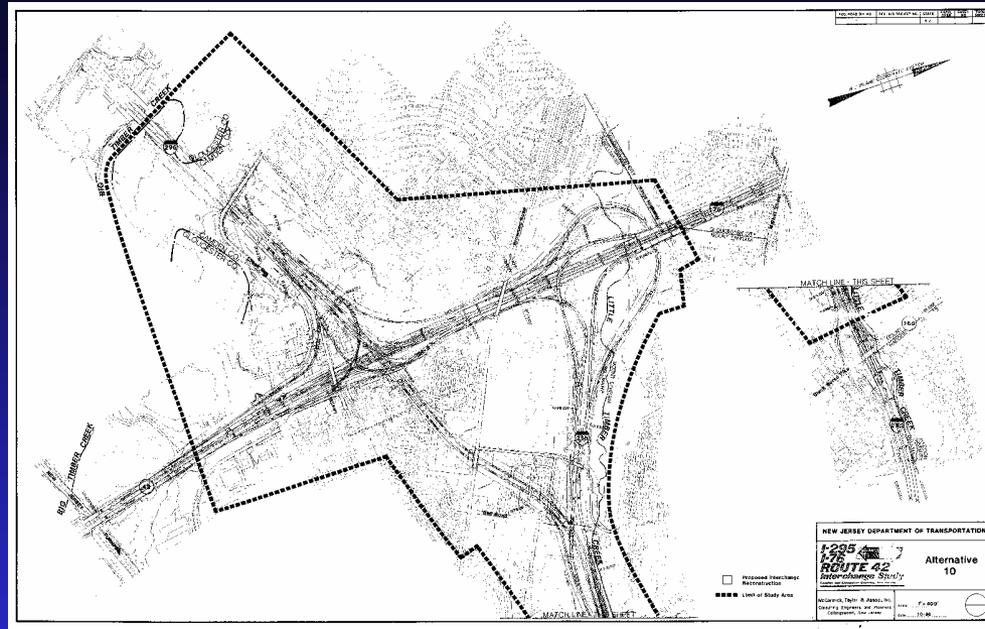
July, 1997

1997 I-295/ROUTE 42 MISSING MOVES STUDY

- Alternatives Evaluated for:
 - ◆ Level of Service
 - ◆ Impacts (Environmental, ROW, Community, Etc.)

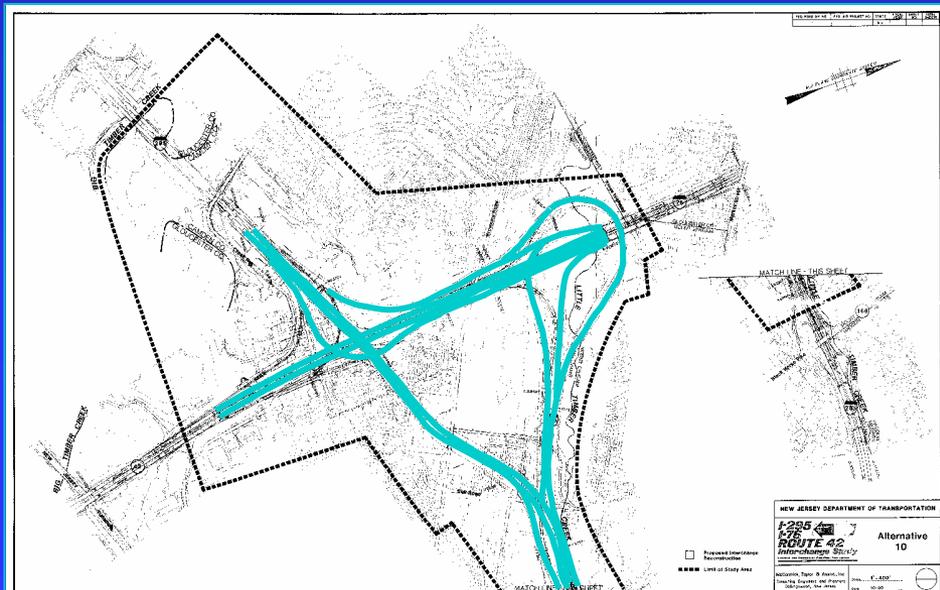
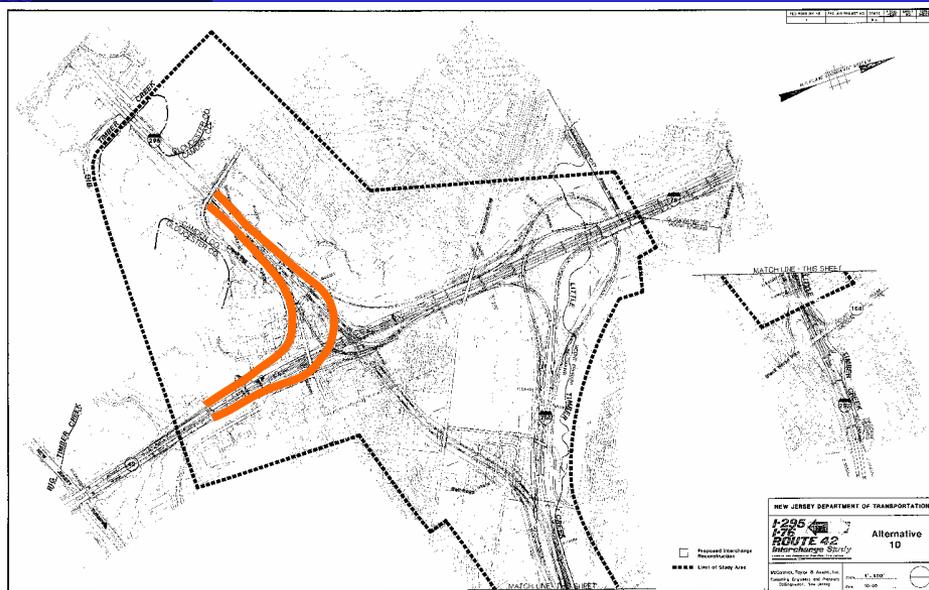
- Recommendations:
 - ◆ Advance Alternative B-5
 - ◆ Meets all Project Goals
 - ◆ Does not Utilize Local Roadways
 - ◆ Supported by Community
 - ◆ Meets Design Standards
 - ◆ Alternatives B-1 ,B-2,B-3,B-4,B-6 Eliminated

Alternate # 10



Missing Moves

I-295/I-76/Rt.42 Interchange



Study Progress

1990 - 1999

- Preliminary Environmental (Land Fill) and Fatal Flaw Analysis Performed on Missing Moves Project
- Preliminary Constructability and Fatal Flaw Analysis Work Performed on Interchange Project

All Additional Studies 1990 – 1999 Showed Both Projects Are Constructible & Viable

1999 – I-295/I-76/RT. 42 TRANSPORTATION INVESTMENT STUDY

- Independent Regional Study Performed by MPO
- TIS Committee
 - Municipalities
 - Regional Organizations
 - Other Governmental Organizations
 - State Legislatures
 - Regulatory Agencies
 - Army Corps of Engineers
 - Federal Highway Administration
 - Federal Transit Administration Regions II & III
 - New Jersey Department of Environmental Protection
 - New Jersey State Historic Preservation Office
 - US Environmental Protection Agency Regions II & III

1999 – I-295/I-76/RT. 42 TRANSPORTATION INVESTMENT STUDY

- Transportation Agencies
 - Delaware River Port Authority
 - New Jersey Department of Transportation
 - New Jersey Transit
 - New Jersey Turnpike Authority
 - Port Authority Transit Corporation
 - South Jersey Transportation Authority

1999 – I-295/I-76/RT. 42 TRANSPORTATION INVESTMENT STUDY

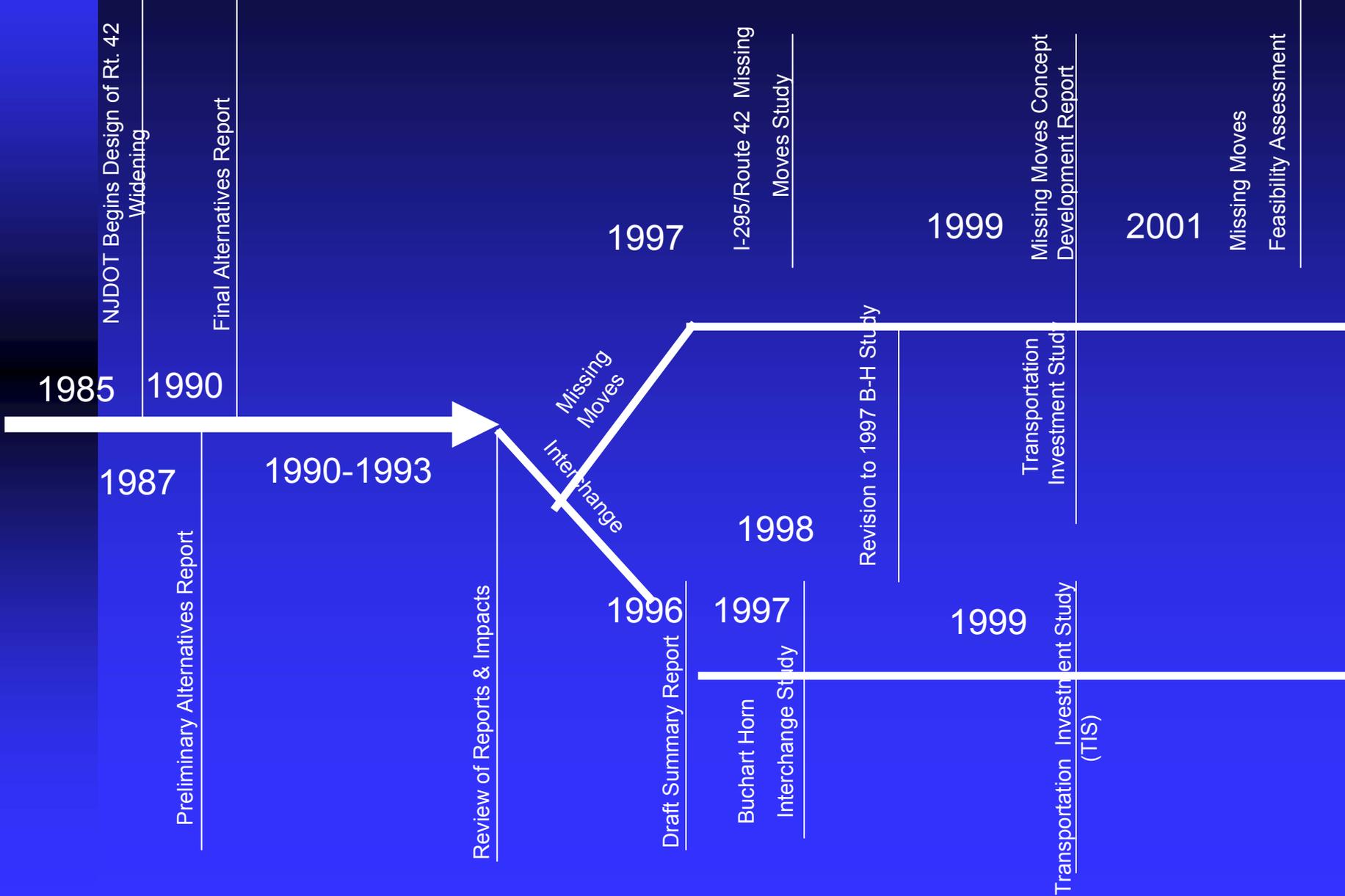
- Transportation Improvement Strategies Evaluated
 - No Build
 - HOV Lanes
 - Van Pool & ITS
 - Express Buss and Park & Ride
 - Rail Transit
 - Turnpike Widening
 - New Turnpike Widening
 - Partial Build (Missing Moves)
 - Full Build (Interchange Only)

1999 – I-295/I-76/RT. 42 TRANSPORTATION INVESTMENT STUDY

■ Conclusions

- Evaluate Other Highway Strategies – They Help, But Do Not Fix Congestion / Safety Needs
- Full Build (Interchange) and Partial Build (Missing Moves) can be advanced Simultaneously
- Missing Moves Can Be Advanced First, Interchange Requires an EIS

PROJECT TIMELINE



FHWA CRITERIA FOR INDEPENDENT UTILITY

- Project Must Connect Logical Termini
- Project Must Be Useable and Be a Reasonable Expenditure
- No Restrictions of Alternatives for Other Foreseeable Transportation Improvements

BOTH PROJECTS MEET ABOVE CRITERIA !!

CURRENT COURSE OF ACTION

- Advance Two Separate Projects (Missing Moves and Interchange)
- Address Secondary and Cumulative Impacts in I-295/I-76/Rt.42 Interchange Reconstruction EIS

DISCUSSION

