

Route 18

New Brunswick

Environmental Control Team

April 28, 2005



WELCOME AND INTRODUCTIONS

- NJDOT Project Manager – John McCleerey
- NJDOT Resident Engineer – Tony Bene
- Gannett Fleming – Darryl Johnson
- Conti Enterprises – Bill Koeppe
- Communication Team Leader – Brian Dorf
- Attendee Introductions

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AGENDA AND GOALS

- To understand overview of project
- To understand overall project status and schedule
- To establish the Environmental Control Team
- To understand environmental control items
- To form action items
- To visit site

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ROUTE 18 OVERVIEW



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ROUTE 18 OVERVIEW



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ROUTE 18 OVERVIEW



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FAST FACTS

- 2 mile corridor reconstruction
- 5 miles of new M.U.P. and sidewalk
- 5 new bridges
- Pedestrian Underpass
- 22 retaining walls
- 7 noise barriers
- 16 sign structures
- 2 new signal locations and 7 improved signals
- Boyd Park Amphitheater
- Commercial Avenue Promenade
- Boyd Park Extension
- Bulkhead rehabilitation and Public Boat Launch
- Utilities relocated underground
- Architectural Treatments

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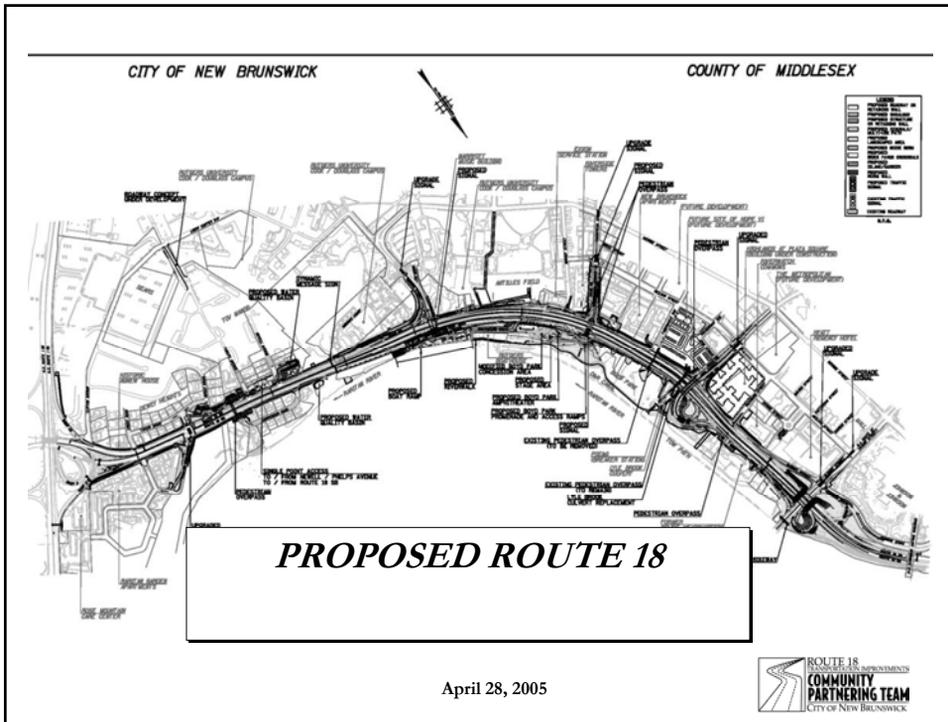


ENVIRONMENTAL FAST FACTS

- Stream Encroachment Permit
- Waterfront Development Permit
- Freshwater Wetlands General Permit
- Water Quality Certificate
- Treatment Works Approval
- Potable Water Supply
- Army Corps of Engineers Application
- Authorization to Discharge B4B – General Permit
- Soil Erosion and Sediment Control
- Archaeology Monitoring Plan
- Vibration Monitoring
- Architectural Treatment Mock-up
- Memorandum of Agreement

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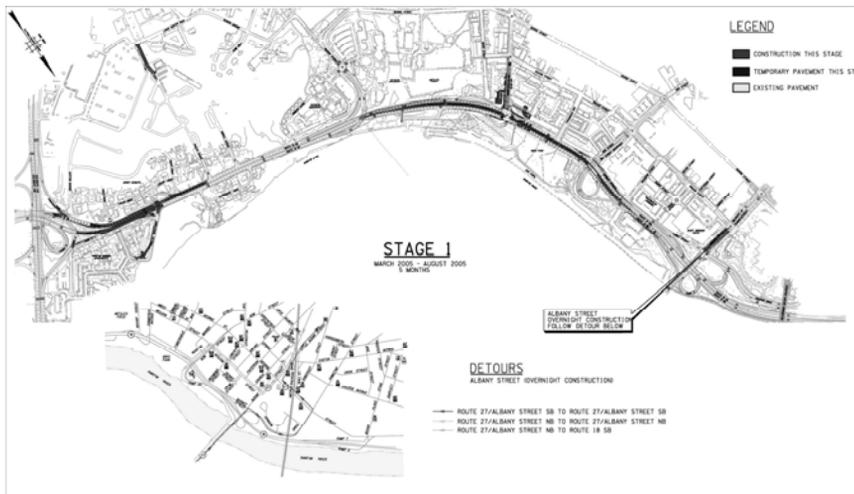
CONSTRUCTION STAGING OVERVIEW

- **Eight general stages**
- **50 months**
- **Contract Special Provisions**

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STAGE 1



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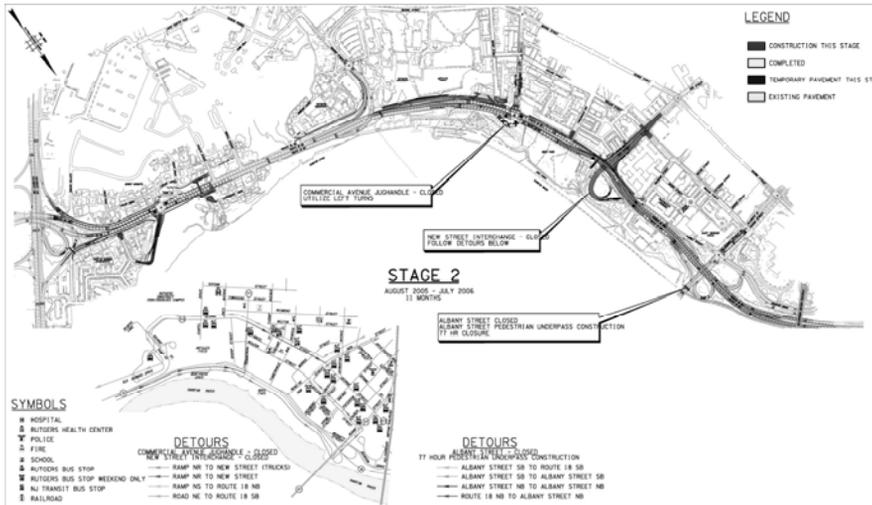
STAGE 1

- Close Crest Road
- No local street detours
- Construct Albany Street, Burnet to Neilson
- Median Removal
- Temporary pavement overlays and widening
- DMS south of Route U.S. 1
- Phelps Avenue Extension
- Utility relocations

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STAGE 2



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STAGE 2

- Close Dewey Drive, Carpender Road South Access, New Street Interchange
- Open double left turns at Commercial Avenue
- Incentive for early completion

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STAGE 2

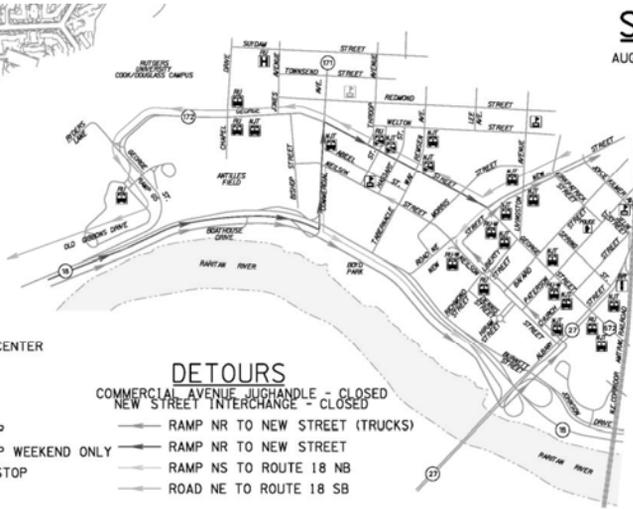
S1
AUGUS

SYMBOLS

- H HOSPITAL
- R RUTGERS HEALTH CENTER
- P POLICE
- F FIRE
- S SCHOOL
- B RUTGERS BUS STOP
- W RUTGERS BUS STOP WEEKEND ONLY
- T NJ TRANSIT BUS STOP
- R RAILROAD

DETOURS

- COMMERCIAL AVENUE JUGHANDLE - CLOSED
- NEW STREET INTERCHANGE - CLOSED
- RAMP NR TO NEW STREET (TRUCKS)
- RAMP NR TO NEW STREET
- RAMP NS TO ROUTE 18 NB
- ROAD NE TO ROUTE 18 SB



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STAGE 3

LEGEND

- CONSTRUCTION THIS STAGE
- COMPLETED
- ▨ TEMPORARY PAVEMENT THIS ST
- EXISTING PAVEMENT

STAGE 3

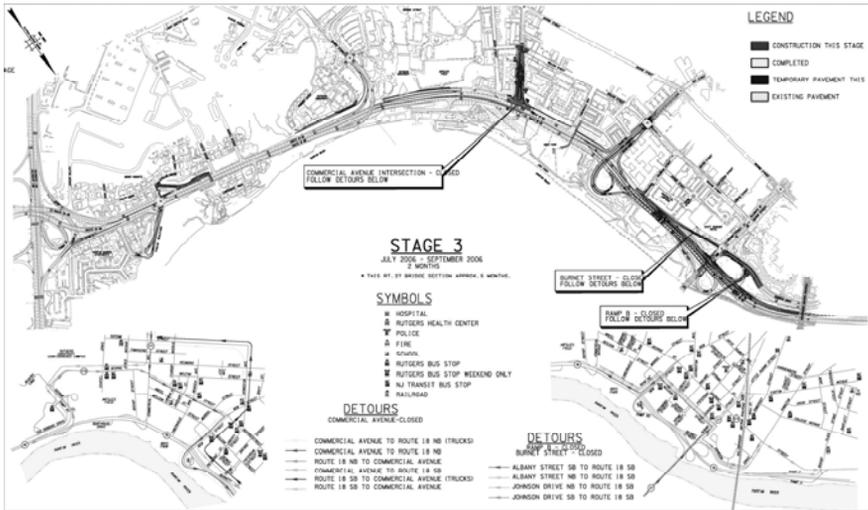
JULY 2005 - SEPTEMBER 2006
2 MONTHS
* FULLY 27' WIDED SECTION APPROX. 6 MONTHS

SYMBOLS

- H HOSPITAL
- R RUTGERS HEALTH CENTER
- P POLICE
- F FIRE
- S SCHOOL
- B RUTGERS BUS STOP
- W RUTGERS BUS STOP WEEKEND ONLY
- T NJ TRANSIT BUS STOP
- R RAILROAD

DETOURS

- COMMERCIAL AVENUE CLOSED
- COMMERCIAL AVENUE TO ROUTE 18 NB (TRUCKS)
- COMMERCIAL AVENUE TO ROUTE 18 NB
- ROUTE 18 NB TO COMMERCIAL AVENUE
- COMMERCIAL AVENUE TO ROUTE 18 SB
- ROUTE 18 SB TO COMMERCIAL AVENUE (TRUCKS)
- ROUTE 18 SB TO COMMERCIAL AVENUE
- ALBANY STREET SB TO ROUTE 18 SB
- ALBANY STREET NB TO ROUTE 18 SB
- JOHNSON DRIVE NB TO ROUTE 18 SB
- JOHNSON DRIVE SB TO ROUTE 18 SB



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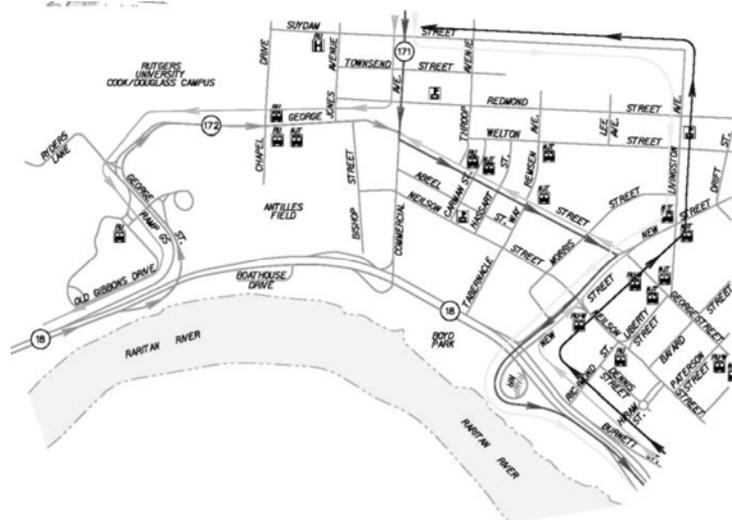
STAGE 3

- Open New Street Interchange
- Close Commercial Avenue left turns from NB
- Complete city side of Commercial Avenue Interchange
- Continue section 1 of Albany Street Bridge
- Incentive for early completion

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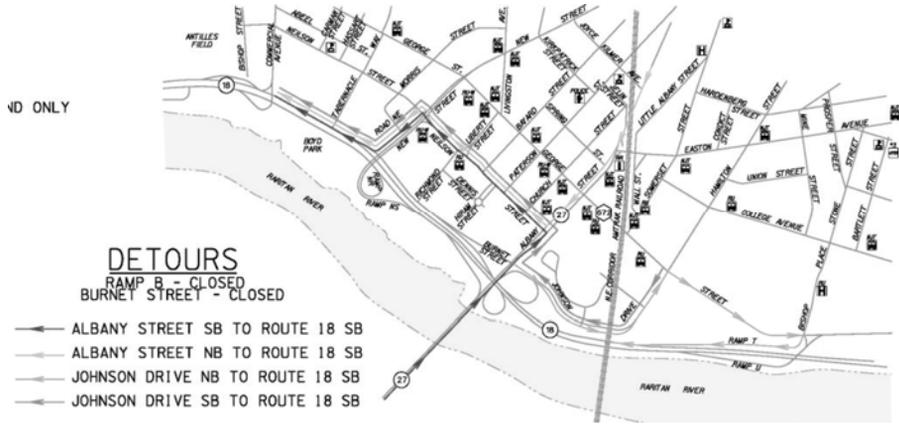
STAGE 3



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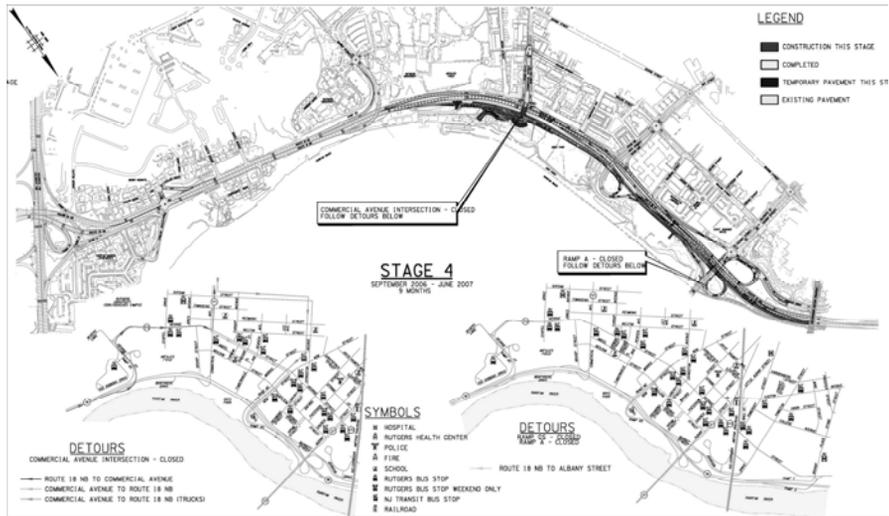
STAGE 3



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STAGE 4



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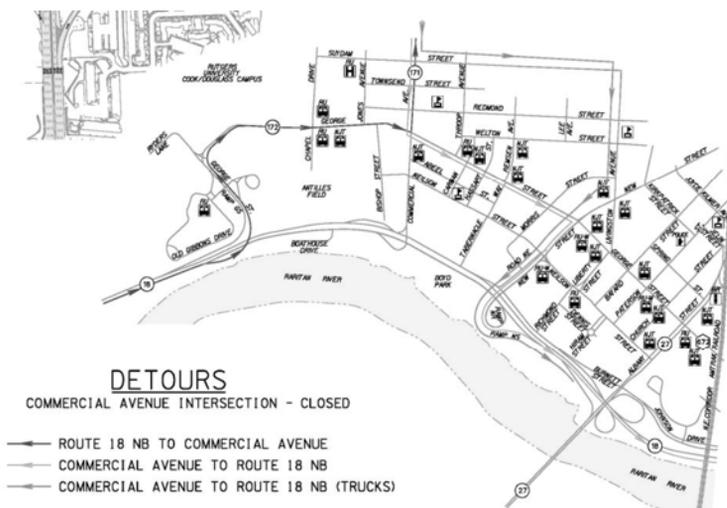
STAGE 4

- **Commercial Avenue SB, Burnett Street, and Richmond Street access SB, and Albany Street ramp access to SB restored**
- **Open Johnson Drive left turn access to SB**
- **Close Albany Street ramp access from NB**
- **Construct Albany Street Underpass**
- **Complete Commercial Avenue Interchange**
- **Construct section 2 of Albany Street bridge**
- **Incentive for early completion**

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STAGE 4

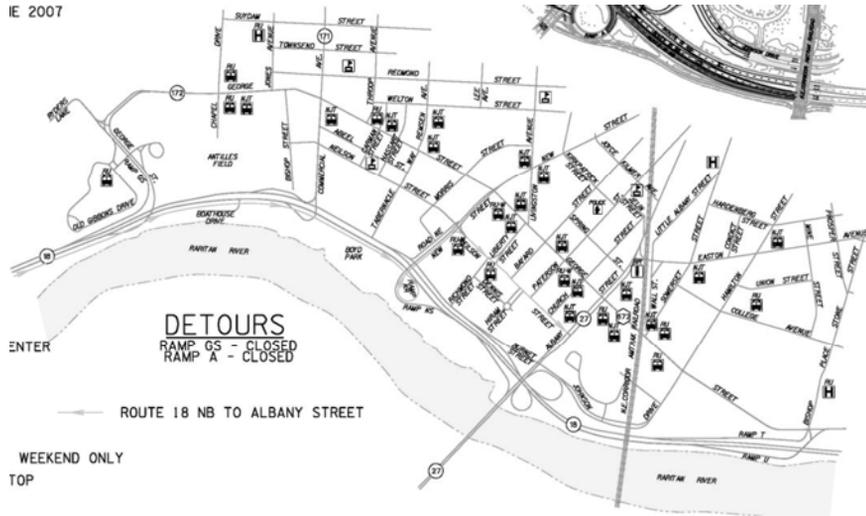


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STAGE 4

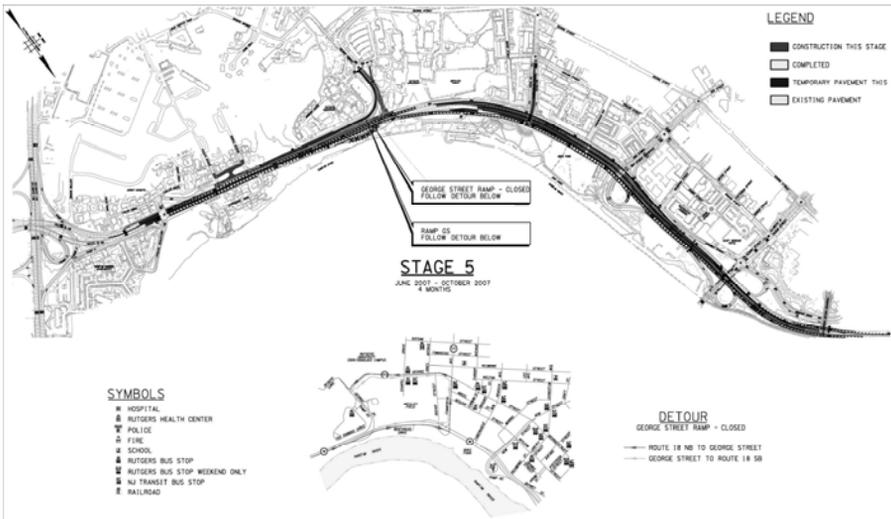
IE 2007



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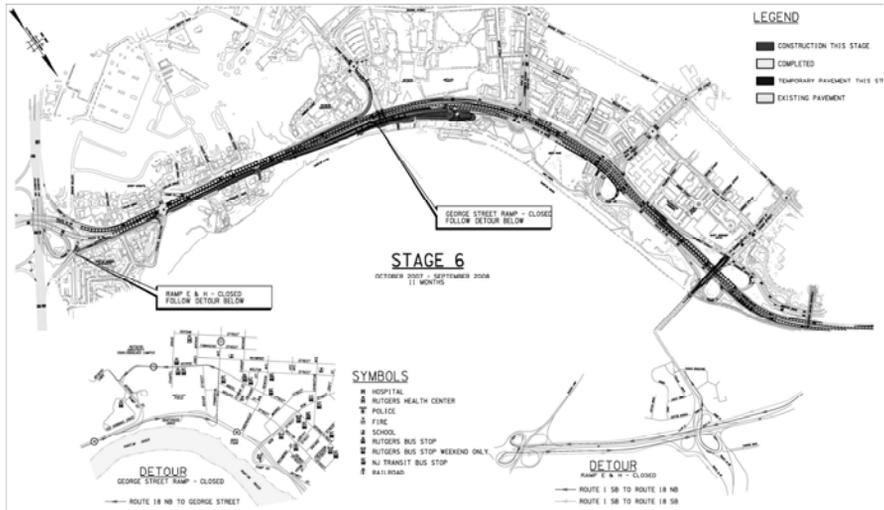
STAGE 5



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STAGE 6



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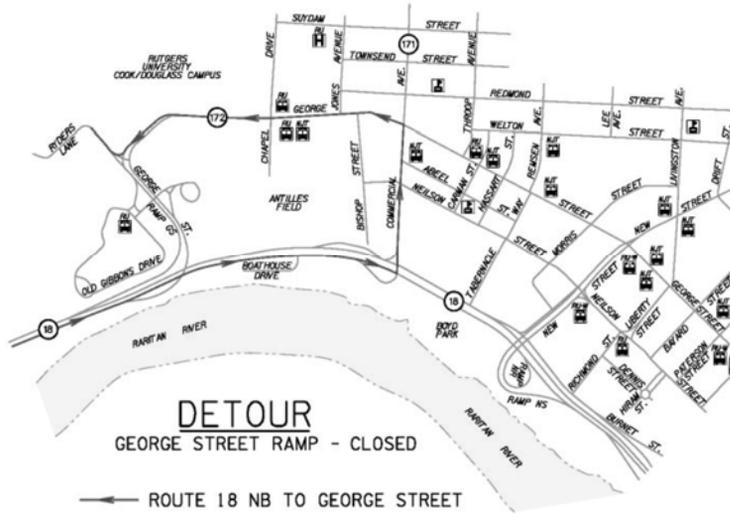
STAGE 6

- George Street access to SB restored
- Open new Newell / Phelps access
- Close Route U.S. 1 SB ramps to Route 18 (31 days)
- Reconstruct Albany Street underneath completed bridge
- Construct Route 18 NB, Paulus to George
- Incentive for early completion

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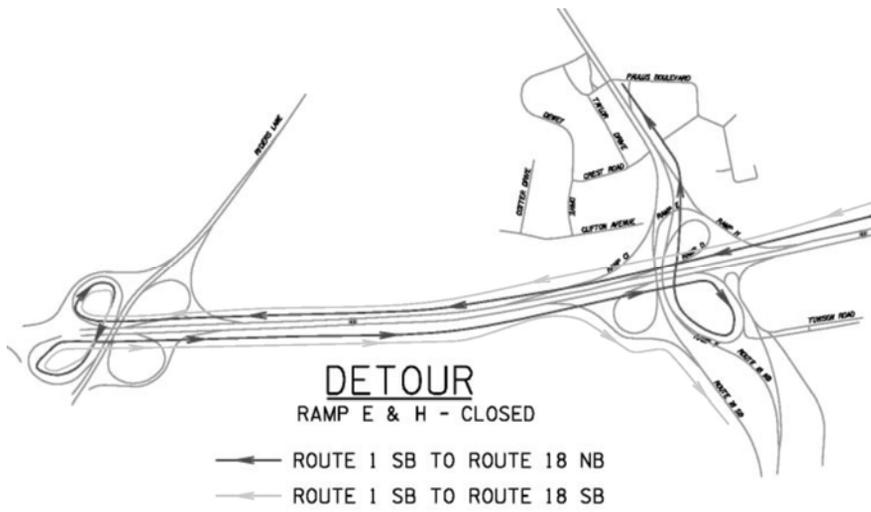
STAGE 6



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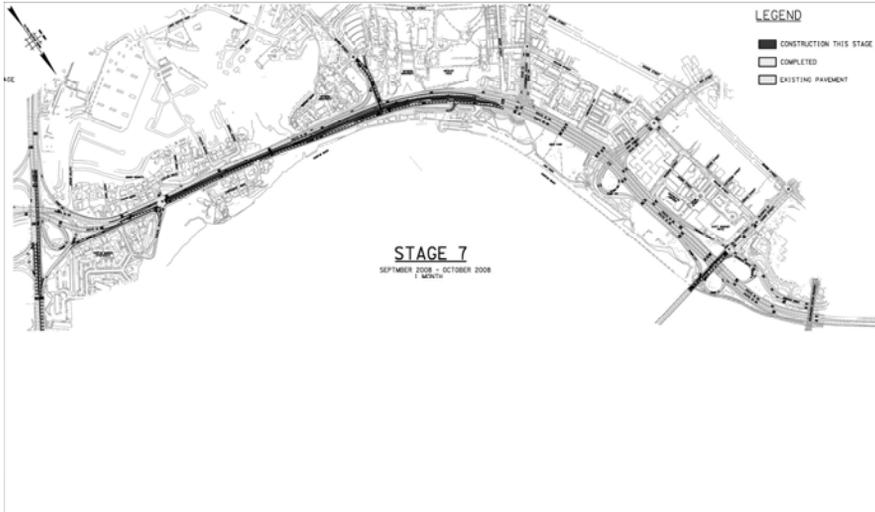
STAGE 6



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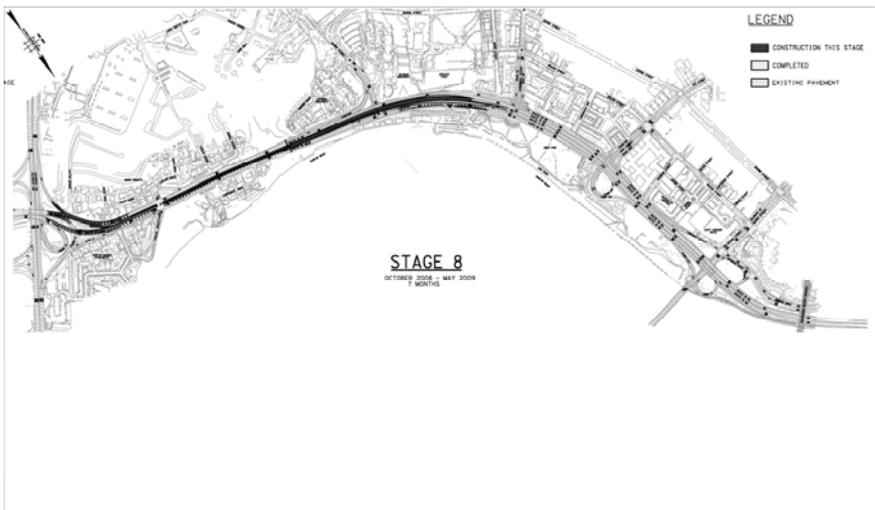
STAGE 7



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STAGE 8



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TRAFFIC MANAGEMENT

- Allowable lane closure timeframes
- Incentives: Early completion / acceleration incentives by interchange for detour movements
- Liquidated Damages: Lane occupancy charges and penalties for non-compliance with allowable lane closures and construction schedule
- New Brunswick and Major Stakeholder Events: Contractor Work restrictions
- Portable dynamic message boards (5)
- Emergency Towing Service
- Contractor / Engineer access to traffic signalization equipment for timing optimization
- Highway Advisory Radio-upgraded from RU Radio 530 AM

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COMPLETION - SUMMER 2009

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<http://www.state.nj.us/transportation/commuter/roads/route18/>



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EARTHCAM Traffic Surveillance – CCTV (web access)



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Environmental Control Items

- Reforestation
- Mock-up review procedures
- Vibration Monitor Locations
- Noise Walls
- B4B Permit Procedures
- Monitoring Well Permit Numbers
- Concrete Crusher Permit Plan
- Cultural Resources

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Summary and Close



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