Monmouth County

ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)
Townships of Freehold and Howell
MAY 31, 2018
Project NEED

PROJECT GOALS:

➢ Improve driver and pedestrian safety within the project limits.
➢ Improve traffic circulation and levels of service within the project limits.
➢ Relieve congestion and increase mobility in the regional roadway network.
➢ Replace functionally obsolete and structurally deficient structures within the project limits.
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

PRIOR STEPS:

➢ Freehold Township studies: 1980's
➢ County-led Scoping Study: 2007
➢ Public Information Center: 2007
➢ National Environmental Policy Act (NEPA) Environmental Assessment: 2009
➢ Public Hearing: 2011
➢ Finding Of No Significant Impact (FONSI) Issued: 2012
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AND ELTON-ADELPHIA ROAD (CR 524)

Project

HISTORY

FINAL DESIGN:

➢ Initiated Fall 2015
➢ NJDEP Permits Approved April 2017
➢ NJDEP Green Acres Minor Diversion:
  ✓ Public Hearing held December 2017
  ✓ Approved January 2018 (Awaiting State House Approval)
➢ Final Submission to NJDOT Anticipated Summer 2018
➢ Federal Authorization for Construction Anticipated Fall 2018
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

**Existing DEFICIENCIES**

- Narrow roadway with no shoulders
- Curvature on Halls Mill Road does not meet a Design Speed of 55 MPH
- Posted Speed Limit: **50 MPH** down to Advisory postings on curves: **25 MPH**
- Sight distance issues

**ROADWAY GEOMETRY**
Existing DEFICIENCIES

TRAFFIC CONGESTION/SAFETY

- Crash History 2013-2015:
  - **94 Crashes** in the Project Area
  - **8.57 crashes** per million vehicle miles traveled
  - NJDOT Statewide Average:
  - **3.83 crashes** per million vehicle miles traveled

- Halls Mill Road/Elton Adelphia Road L.O.S. = “F”
- Halls Mill Road roadway L.O.S. = “E”
Excluding DEFICIENCIES

BRIDGE CONDITION

➢ F-59:
  ✓ Functionally Obsolete
  ✓ Structurally Deficient (rating of 69)

➢ F-30:
  ✓ Functionally Obsolete
  ✓ Structurally Deficient (rating of 55)

➢ F-29:
  ✓ Functionally Obsolete
  ✓ Structurally Deficient (rating of 42)
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

Proposed IMPROVEMENTS

- Halls Mill Road Realignment
- Roadway Improvements
- New Traffic Signals
- Bridge Replacements
Halls Mill Road Realignment:

✓ Re-align the roadway to create a 4-leg intersection with Elton-Adelphia Road and Edinburgh Drive
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Proposed IMPROVEMENTS

Roadway Improvements:

- **Halls Mill Road and Edinburgh Drive**
  - 68’ Overall Width (Curb to Curb)
    - 14’ Outside Lanes
    - 12’ Inner Lanes
    - 16’ Median/Left Turn Lanes

- **Elton-Adelphia Road (CR 524)**
  - 62’ Overall Width (Curb to Curb)
    - 14’ Outside Lanes
    - 11’ Inner Lanes
    - 12’ Left Turn Lanes
    - 6’ Sidewalks
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Proposed IMPROVEMENTS

➢ New Traffic Signals:

✓ Edinburgh Drive and Route 9
✓ Halls Mill Road/Elton Adelphia Road (CR 524) and Edinburgh Drive.
✓ Halls Mill Road and Three Brooks Road

➢ Other Improvements

• Pedestrian Crossing Beacon on Edinburgh Drive at Kapalua Court/Wentworth Drive
• Left turn lanes will be provided at all signalized intersections
Proposed IMPROVEMENTS

➢ Bridge Replacements:

✓ **F-59**
  - 36” R.C.C.P

✓ **F-30**
  - 31’ precast concrete three sided structure

✓ **F-29**
  - 22.5’ precast concrete three-sided structure
  - Retaining wall tie-in with Rutgers Lower Adelphia Dam
Proposed IMPROVEMENTS

➢ Other Improvements:

✓ Sidewalk Connectivity on Elton-Adelphia Road (CR 524) + enhanced lighting

✓ Spyglass Hill Road Cul-de-Sac

✓ Full-depth pavement reconstruction

✓ Signing and Striping replacement

✓ Utility Relocations

✓ Stormwater Management: 3 basins

✓ Water Quality: Median Bioswale

✓ Groundwater Recharge: Infiltration Basin

NJDEP Permit Requirements
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

Project IMPACTS

RIGHT OF WAY ACQUISITION

- 30 Parcels require temporary or permanent easements or property acquisition
- Approximately 14 Acres in total
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Project IMPACTS

GREEN ACRES DIVERSION OF PARKLAND

- **0.484** Acres of Manasquan River Greenway to be acquired
- As compensation, the County to convey **0.739** Acres of adjacent property back to the Park System
  - Includes the section of Halls Mill Road to be abandoned by the roadway re-alignment
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**Project IMPACTS**

- State Open Waters: 0.167 Acres
- Freshwater Wetlands: 0.264 Acres
- Wetlands Transition Area: 0.612 Acres
- Wetlands Mitigation Requirement: 0.431 Acres
- Total Riparian Zone Disturbance: 0.620 Acres
- Riparian Mitigation Requirement: 0.450 Acres

**NJDEP PERMITS/ENVIRONMENTAL**
Construction

Staging Concepts

✓ **Goal**: maintain one lane of traffic in each direction for the duration of construction

✓ Maintain access for pedestrians at all times

✓ Lane closures with flagging permitted

✓ Full road closures with traffic detours only permitted for one construction shift at a time, no long-term detours
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STAGE 1A CONSTRUCTION
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

STAGE 1B CONSTRUCTION
ROADWAY IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

STAGE 2 CONSTRUCTION
PROJECT SCHEDULE AND NEXT STEPS

- Final Submission to NJDOT: Summer 2018
- Obtain Federal Authorization: Fall 2018
- Advertise for Construction: Fall/Winter 2018
- Award Construction Contract: Winter 2019
- Start Construction: Spring 2019
- Finish Construction: Summer 2021
THANK YOU!