



Monmouth County

ROADWAY IMPROVMENTS TO HALLS MILL
ROAD AND ELTON-ADELPHIA ROAD (CR 524)

Townships of Freehold and Howell

MAY 31, 2018





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

Project **NEED**

PROJECT GOALS:

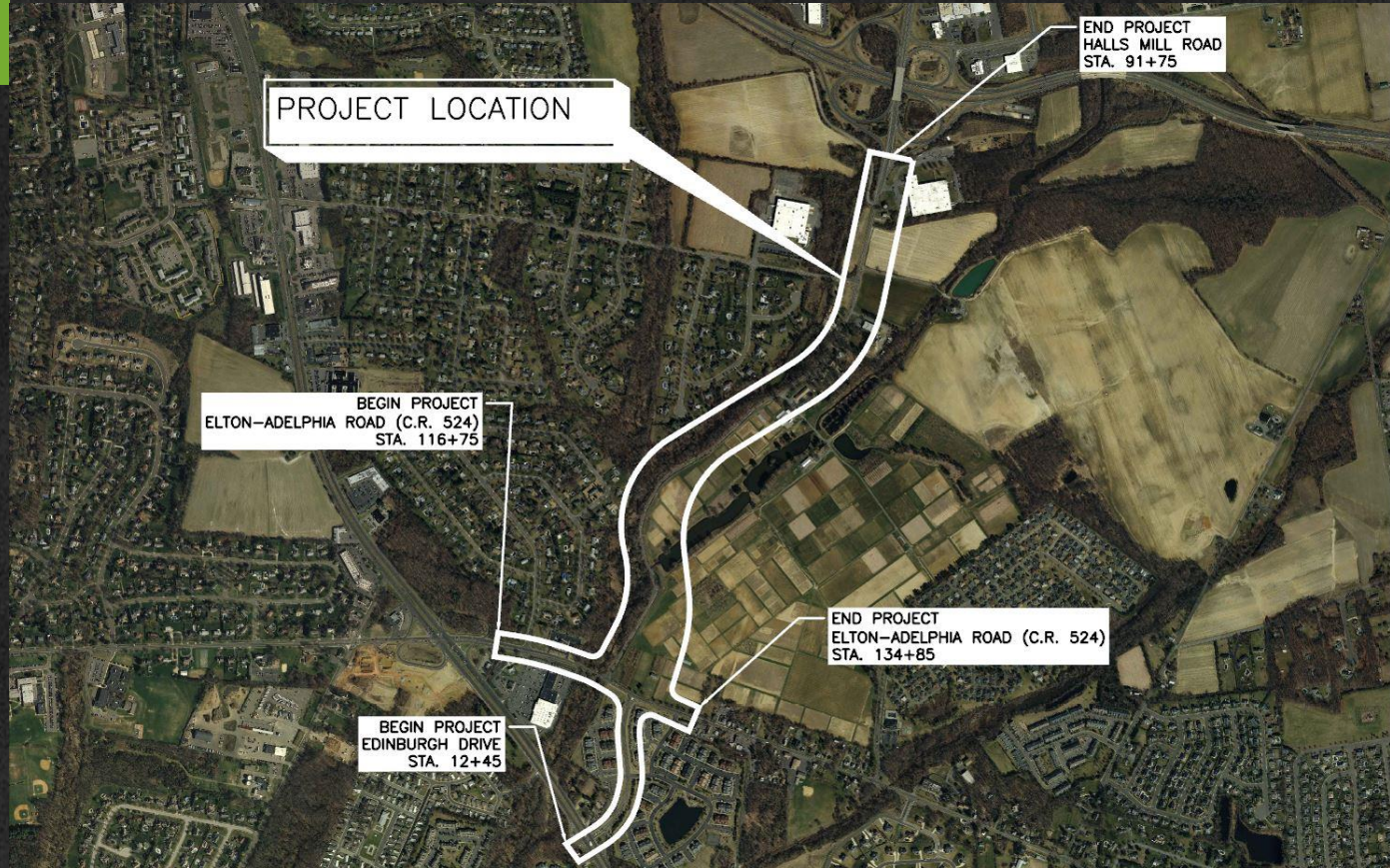
- Improve driver and pedestrian safety within the project limits.
- Improve traffic circulation and levels of service within the project limits.
- Relieve congestion and increase mobility in the regional roadway network.
- Replace functionally obsolete and structurally deficient structures within the project limits.



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

Project
NEED

LOCATION PLAN





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

Project **HISTORY**

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**



ROADWAY IMPROVEMENTS TO HALLS MILL ROAD 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**

ROADWAY GEOMETRY

- 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 IMPROVEMENTS TO HALLS MILL ROAD AND ELTON-ADELPHIA ROAD (CR 524)

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"**



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

Existing 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**

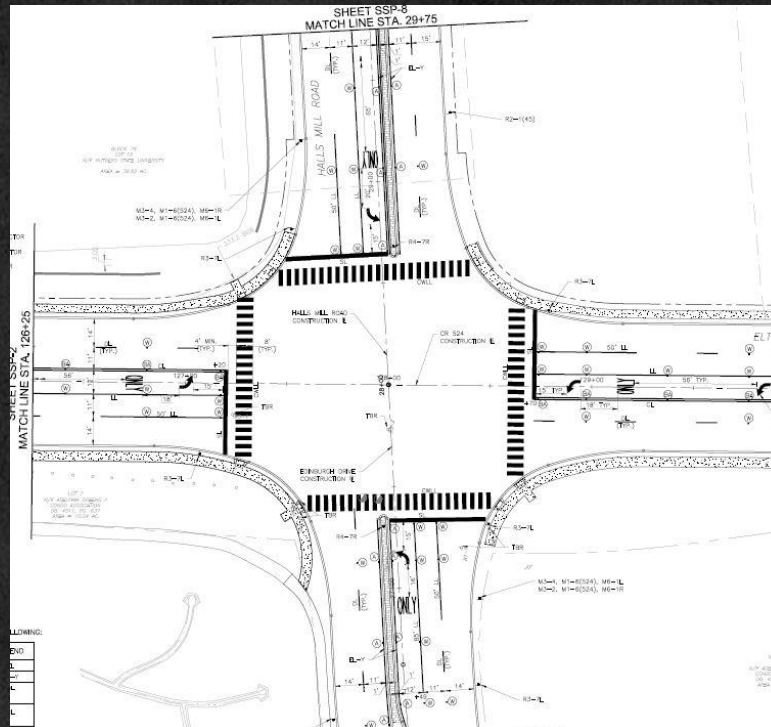
- Halls Mill Road Realignment
- Roadway Improvements
- New Traffic Signals
- Bridge Replacements



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

Proposed **IMPROVEMENTS**

- **Halls Mill Road Realignment:**
 - ✓ *Re-align the roadway to create a 4-leg intersection with Elton-Adelphia Road and Edinburgh Drive*





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

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



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

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*



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

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 Adelfia Dam



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

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



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

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



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

Project IMPACTS

NJDEP PERMITS/ENVIRONMENTAL

- 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



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

Construction **STAGING**

➤ 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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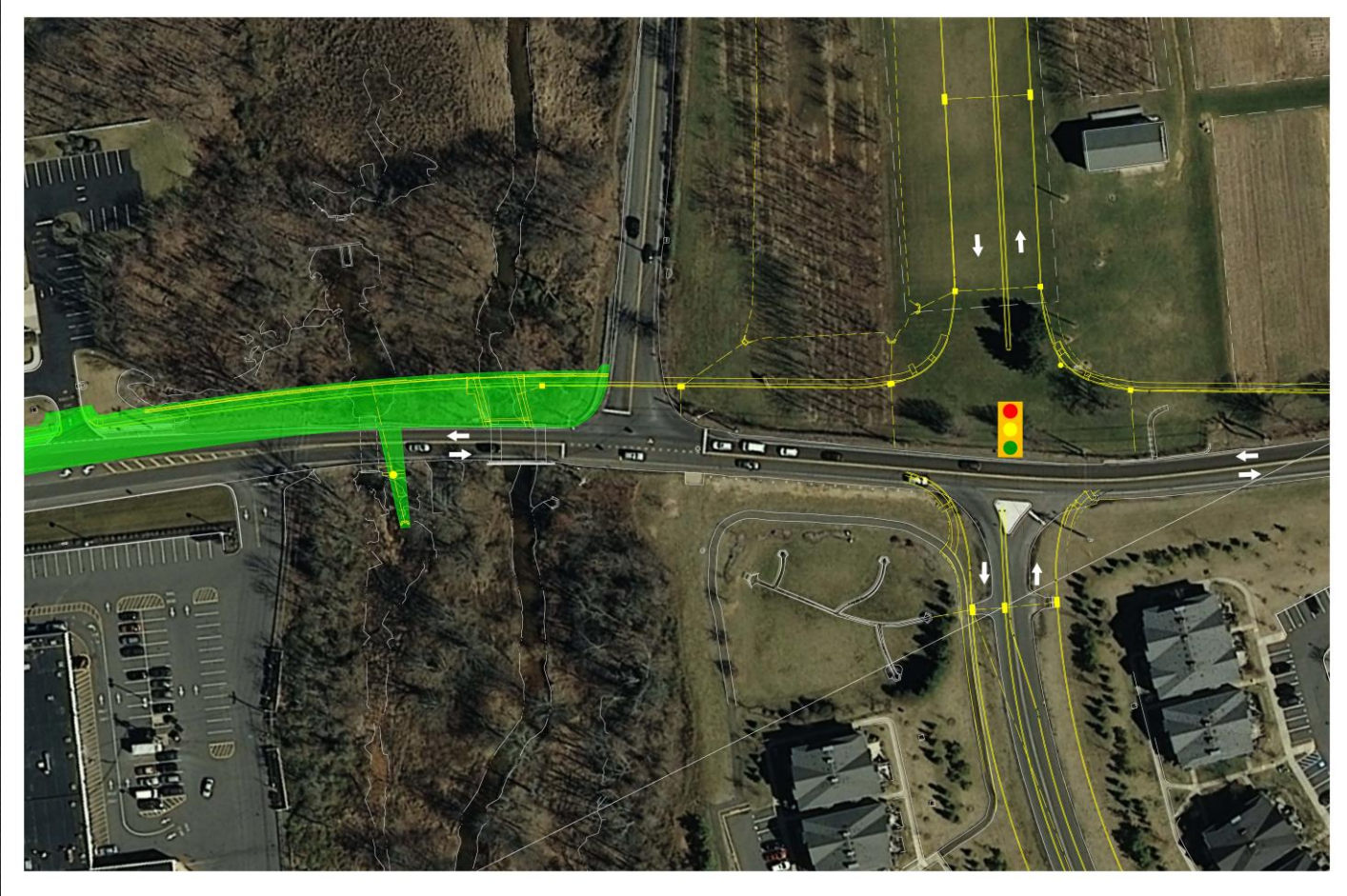
STAGE 1A CONSTRUCTION





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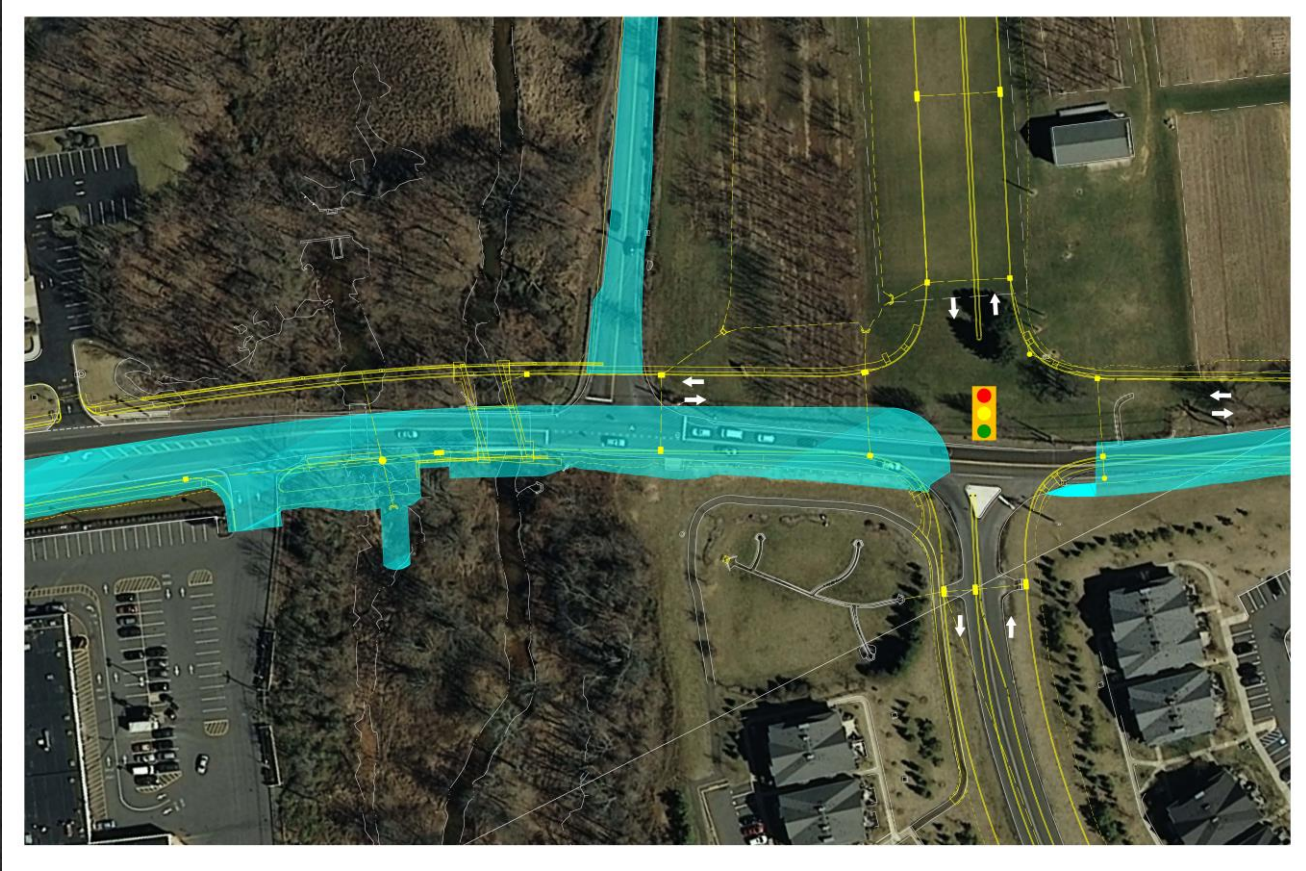
STAGE 1B CONSTRUCTION





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

STAGE 2 CONSTRUCTION





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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**



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THANK YOU!
