

PROJECT STATUS SHEET

PROJECT DESCRIPTION

The proposed project calls for transportation improvements in the Currituck Sound area with focus on the consideration of a Mid-Currituck Bridge. The proposed action is a seven-mile long toll project including a two-lane bridge that spans Currituck Sound connecting the Currituck County mainland with its Outer Banks, and a separate two-lane bridge that spans Maple Swamp on the Currituck County mainland connecting Aydlett to US 158, in Currituck County.

IMPORTANT FACTS

Construction Award: FY 2017

Projected Cost: \$483M (per STIP)

Open to Traffic: December 2022

Type of Tolling: Variable

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING/DESIGN/CONSTRUCTION

- Support the Project Development and Environmental Analysis (PDEA) Unit on completing the Reevaluation Report of the Environmental Impact Statement (EIS) and Record of Decision
- Determine procurement process for construction contract

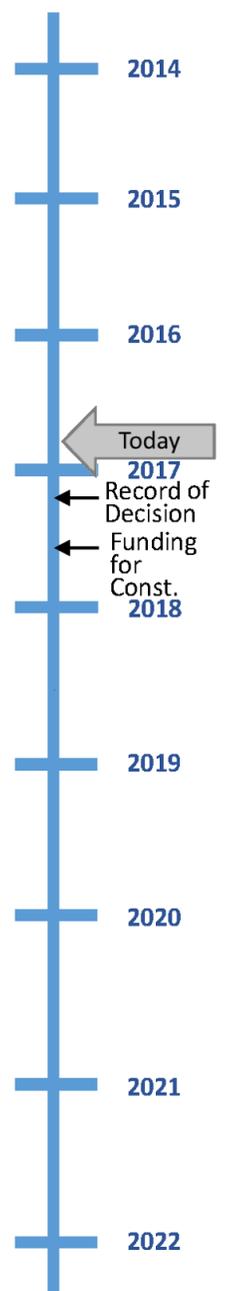
FINANCE

- Develop Investment Grade Traffic & Revenue (T&R) Study with Stantec
- Update cost estimates (Capital, Operations and Maintenance)
- Update Plan of Finance with PFM (NCTA financial advisor)

ALL-ELECTRONIC TOLLING

- No activities anticipated

PROJECT DELIVERY



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of this project is to provide a reliable travel time option by constructing one Express Lane in each direction on I-485 (Charlotte Outer Loop) in Charlotte from I-77 to US 74 (Independence Boulevard), for approximately 17 miles.

IMPORTANT FACTS

Contract Award: Q2 2017 (anticipated)

Projected Cost: \$215.6M (from STIP)

Open to Traffic: 2020

Type of Tolling: Express Lanes

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING, DESIGN, CONSTRUCTION

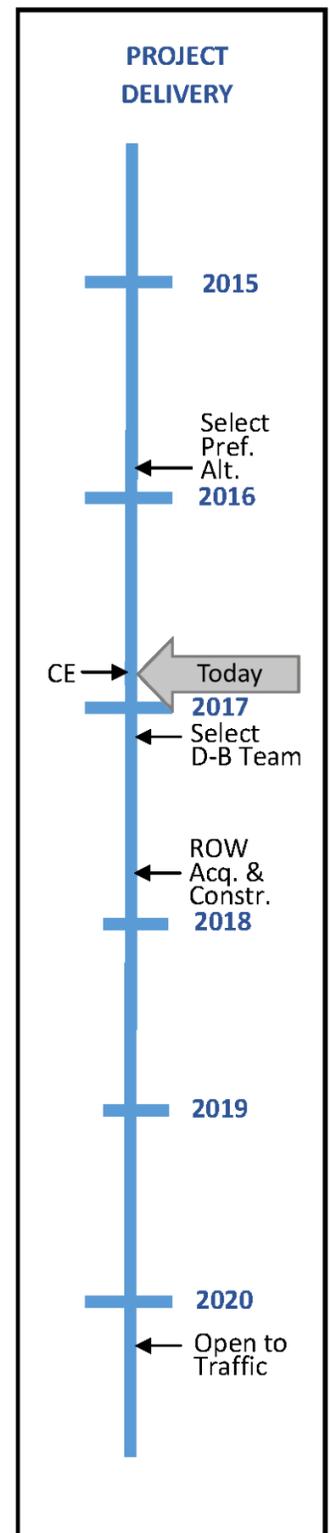
- Coordinate with PDEA, Roadway Design, Design-Build Unit, Congestion Management, and Division 10
- Attend stakeholder and public involvement meetings as needed
- Finalize Concept Plans for Signing, Intelligent Transportation Systems (ITS), and All-Electronic Tolling (AET)
- Revise/Finalize Design/Build Scopes of Work for AET and ITS
- Update NCTA AET Standard Drawings for Express Lanes
- Prepare and coordinate project cost estimation for NCDOT
- Begin work on Concept of Operations

FINANCE

- Level II Traffic & Revenue (T&R) Study (final draft completed)
- Complete Operations & Maintenance Model following T&R

ALL-ELECTRONIC TOLLING

- Complete estimates for Toll Collection System (TCS) contracts as a part of the Tolling Concept Plans



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The Old Holly Springs-Apex Road Interchange project (also known as “Access 540”) will add a new interchange to the NCTA’s Triangle Expressway (Toll NC 540) in southwest Wake County, near the southern end of the toll road. The interchange will include two new ramp toll zones.

IMPORTANT FACTS

Contract Award: June 2015

Projected Cost: \$24.4M (Total)

Open to Traffic: January 2017 (new ramps/lanes)

Type of Tolling: Fixed tolls

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

DESIGN/CONSTRUCTION

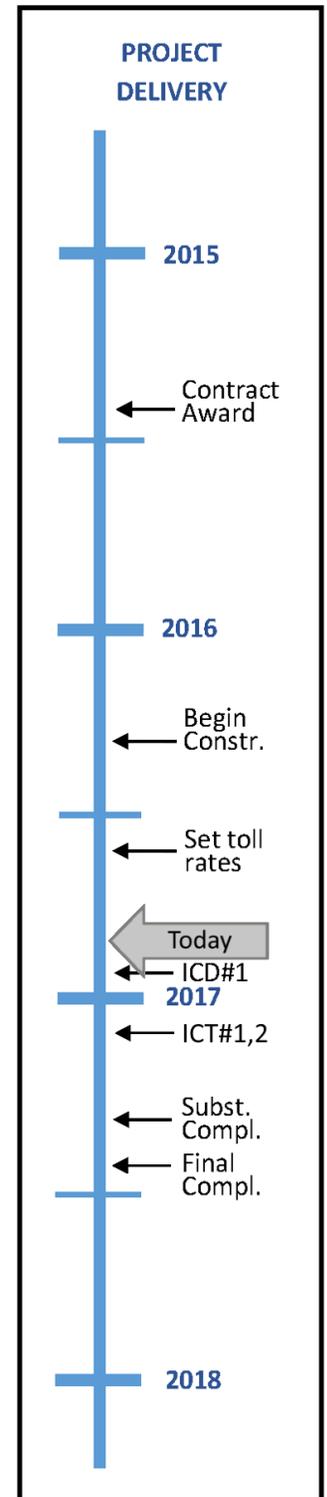
- Review of construction submittals for All-Electronic Tolling (AET) infrastructure, Intelligent Transportation Systems (ITS), Signing, and Pavement Markings
- Attend design meetings to monitor project progress and address toll related concerns
- Track/inspect ITS/AET construction activities; AET site construction is well underway
- Coordinate with NC-55 Bypass SB ramp reconstruction and warranty work

FINANCE

- Update Operations & Maintenance Model if needed
- Implement approved 2017 toll rates

ALL-ELECTRONIC TOLLING

- Negotiate and execute Extra Work Orders (EWO) for Roadside Toll Collection System (RTCS), Electronic Toll Collection System (ETCS) and Back Office System (BOS) for new and revised toll zones
 - RTCS EWO #1-5 (modify existing mainline toll zones and design new loop zones) - complete
 - RTCS EWO #6 (accommodate revised schedule) – in process
 - ETC EWO - complete
 - BOS EWO - complete



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of this project is to construct an expressway extending nearly 20 miles from US 74 near I-485 in Mecklenburg County to US 74 between the towns of Wingate and Marshville in Union County. The four-lane divided facility will have fixed toll rates at seven mainline zones.

IMPORTANT FACTS

Construction Started: May 2015

Projected Cost: \$731M

Open to Traffic: November 2018

Type of Tolling: Fixed tolls

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

DESIGN/CONSTRUCTION

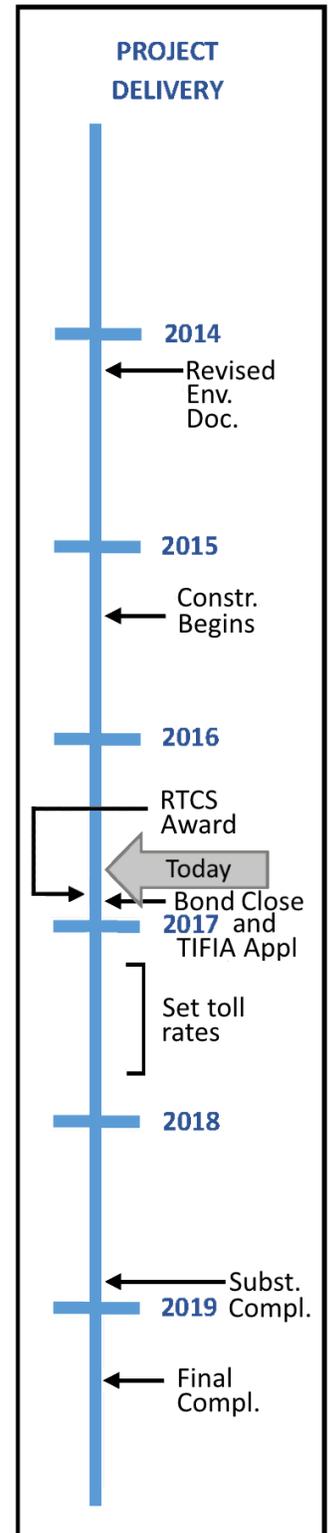
- Review of design submittals for All-Electronic Tolling (AET) infrastructure, Intelligent Transportation Systems (ITS), Signing & Aesthetics
- Coordinate with Roadside Environmental Unit (REU) on approach to landscaping and procurement strategy
- Attend meetings to monitor progress and address toll-related concerns
- Update Project Management Plan (for Federal Highway Administration) as required

FINANCE

- Complete Traffic & Revenue (T&R) Study
- Complete process of obtaining TIFIA loan to incorporate into financial plan
- Complete financial reporting documents as required:
 - Quarterly Construction Progress Report (for Wells Fargo)
 - Consulting Engineer's Report (for bond rating agencies)
 - Annual Financial Plan Update
- Prepare for toll revenue bond sale in late 2016

ALL-ELECTRONIC TOLLING

- Prepare Request for Proposal (RFP) for Roadside Toll Collection System (RTCS)
 - Contract to be awarded in late 2016
- Begin preparing for other toll-related contract modifications in 2016:
 - Back Office System (BOS)
 - Electronic Toll Collection System (ETCS)
- Toll Operations (OPS) – including planning for Monroe area toll storefront



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of this project is to convert the bus lanes in the median of Independence Boulevard (U.S. 74) in Charlotte from I-277 to Wallace Lane to Express Lanes. This conversion will include the bus lanes that currently exist between I-277 and Albemarle Road (NC 27), as well as the bus lanes that are currently being constructed from Albemarle Road to Wallace Lane, under STIP Project U-209B.

IMPORTANT FACTS

Contract Award: November 2017

Projected Cost: \$28.8M (Total)

Open to Traffic: Late 2018

Type of Tolling: Express Lanes

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING/DESIGN/CONSTRUCTION

- Conduct and complete Final Design of Intelligent Transportation System (ITS), Gate Control System, and All-Electronic Toll (AET) (by mid 2017)
- Coordinate with NCDOT on the civil & signing design
- Coordinate with other ongoing Express Lane projects in the Charlotte metro area

FINANCE

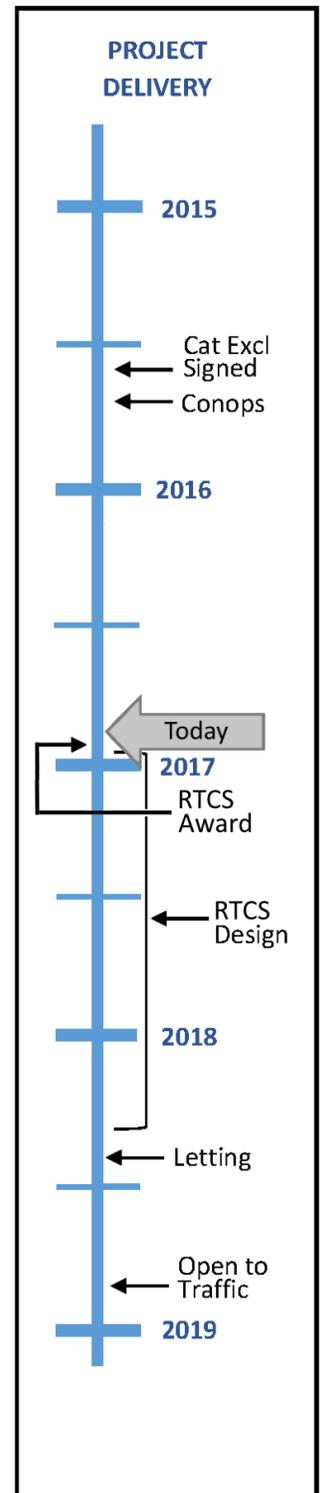
- Update State Transportation Improvement Plan (STIP) with new project costs
- Refine Operations & Maintenance Model if needed
- Complete Level II Traffic & Revenue (T&R) Study (by late 2016) as a part of the U-2509 project which extends Express Lanes east to I-485

ALL-ELECTRONIC TOLLING

- Produce, negotiate and execute Extra Work Orders for:
 - Back Office System (BOS), Electronic Toll Collection System (ETCS), and Toll Operations (OPS)
 - Roadside Toll Collection System (RTCS) & Dynamic Pricing Software
 - Award contract late 2016

OPERATIONS

- Prepare for Express Lane Operations by coordinating with NCDOT Division 10 and the local transportation management centers
- Plan for Charlotte area tolling storefront



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of STIP Project U-5315 is to extend Morrisville Parkway and construct an interchange with Triangle Expressway (Toll NC 540) in Wake County to provide increased connectivity and access. Planning and Design were managed by the Town of Cary in coordination with NCDOT. Project will be let to contract by NCDOT. NCTA is participating in funding for U-5315B (interchange) only.

IMPORTANT FACTS

Construction Start: 2017

Projected Cost: \$22.8M (U-5315B)

Open to Traffic: 2018

Type of Tolling: Fixed tolls

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING/DESIGN/CONSTRUCTION

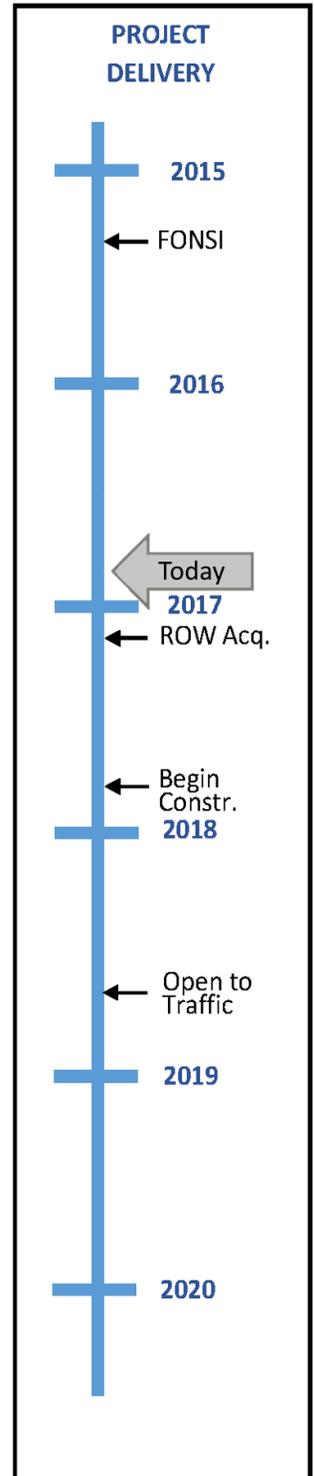
- Coordinate with Town of Cary, Division 5, and Local Programs Management Office for Right of Way acquisition and other municipal agreements as needed

FINANCE

- No activities anticipated

ALL-ELECTRONIC TOLLING

- Begin preparation for other toll-related contract modifications:
 - Roadside Toll Collection System (RTCS)
 - Back Office System (BOS)
 - Electronic Toll Collection System (ETCS)
 - Toll Operations (OPS)



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of STIP Project I-5718 is to widen I-77 to ten lanes by constructing Express Lanes from I-485 (Exit 1) to I-277/NC 16 (Brookshire Freeway) (Exit 11). The total project length is 9.6 miles.

IMPORTANT FACTS

ROW Acquisition: 2024

Projected Cost: \$1.2B

Open to Traffic: TBD

Type of Tolling: Express Lanes

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING, DESIGN, CONSTRUCTION

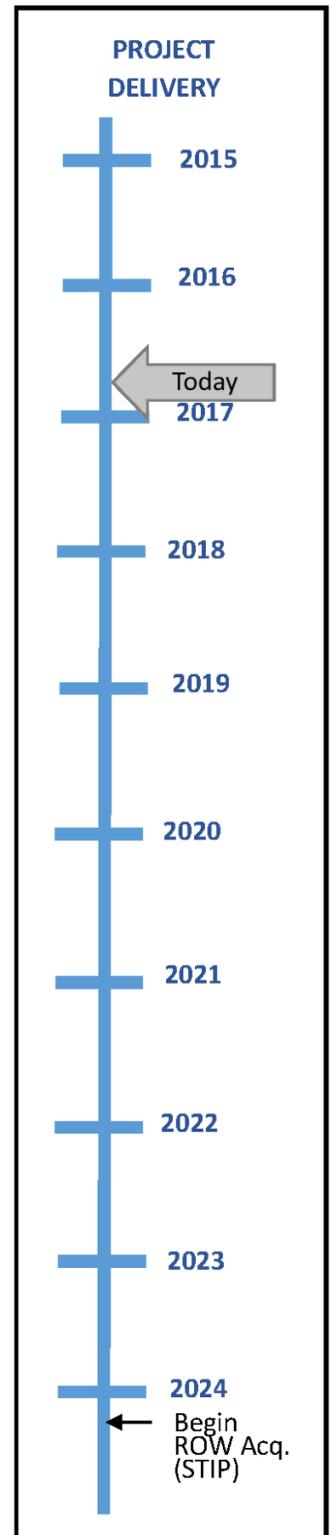
- Coordinate with PDEA and Division 10 once project is re-started in planning process
- Attend stakeholder and public involvement activities as needed

FINANCE

- No activities anticipated

ALL-ELECTRONIC TOLLING

- No activities anticipated



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The proposed "Complete 540" project, also known as the Southeast Extension, would extend the Triangle Expressway from the NC 55 Bypass in Apex to the US 64/US 264 Bypass in Knightdale, completing the 540 Outer Loop around the greater Raleigh area. This proposed new location, limited-access, tolled highway would extend approximately 27 miles.

IMPORTANT FACTS

Construction to Start: FY 2017

Projected Cost: \$2.2B

Open to Traffic: June 2020 (Phase I)

Type of Tolling: Fixed tolls

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING/DESIGN/CONSTRUCTION

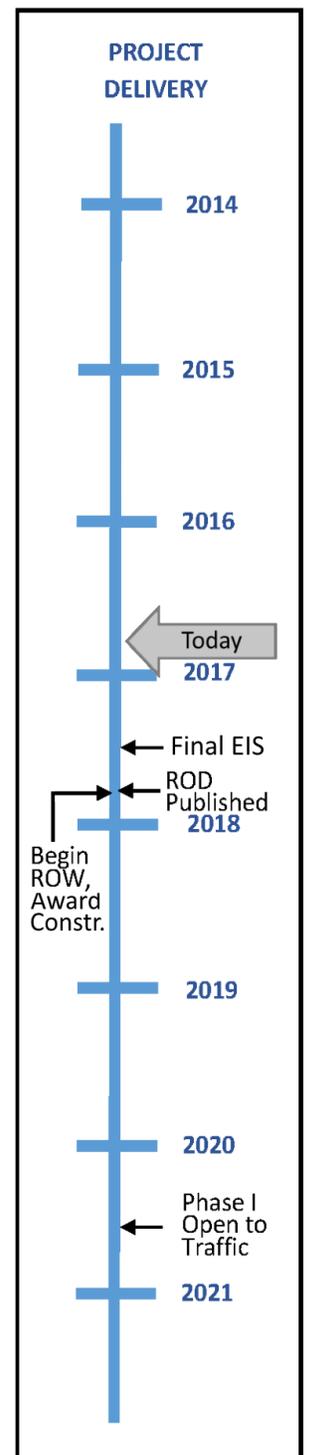
- Support the Project Development and Environmental Analysis (PDEA) Unit on preparing the Final Environmental Impact Statement (FEIS)

FINANCE

- Initiated Traffic & Revenue (T&R) Study with CDM Smith
- Prepare cost estimates (Capital, Operations and Maintenance)
- Develop Preliminary Plan of Finance with PFM (NCTA financial advisor)

ALL-ELECTRONIC TOLLING

- No activities anticipated



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The proposed project would widen and add Express Lanes to Independence Boulevard (US 74) from Conference Drive in Charlotte to I-485 in Matthews, a distance of approximately 6.3 miles. This project is the second phase of the US 74 Express Lanes system and is also part of an overall Express Lanes network that includes planned Express Lanes on I-77 and I-485.

IMPORTANT FACTS

Contract Award: Fiscal Year 2022

Projected Cost: \$405M (STIP)

Open to Traffic: TBD

Type of Tolling: Express Lanes

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

PLANNING/DESIGN/CONSTRUCTION

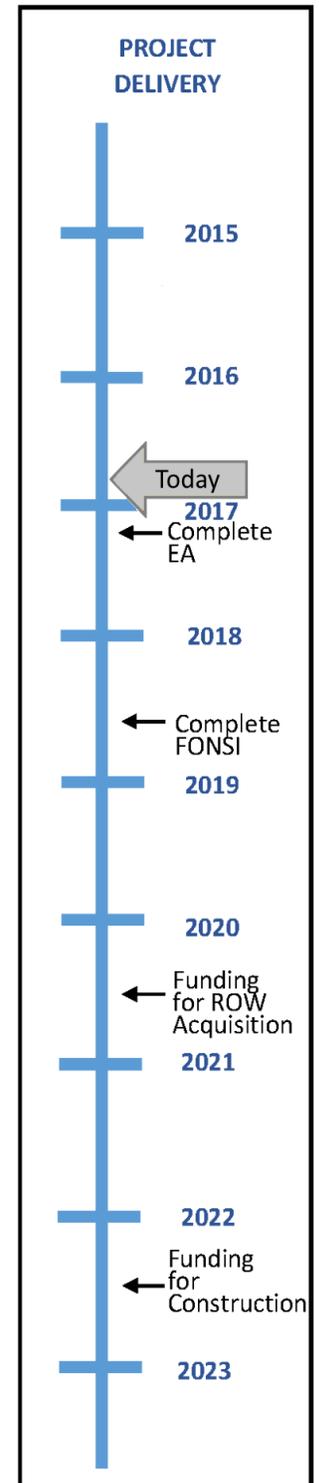
- Support the Project Development and Environmental Analysis (PDEA) Unit on developing alternatives for study
- Support the PDEA Unit on preparation of the Environmental Assessment (EA)
- Participate in Stakeholder Meetings and Public Meetings

FINANCE

- Develop Traffic & Revenue (T&R) Study with CDM Smith
- Prepare cost estimates (Capital, Operations and Maintenance)
- Develop Preliminary Plan of Finance with PFM (NCTA financial advisor)

ALL-ELECTRONIC TOLLING

- No activities anticipated



PROJECT STATUS SHEET

PROJECT DESCRIPTION

The purpose of this project is to add capacity to the corridor between I-277 (Exit 11) in Charlotte (Mecklenburg County) and N.C. 150 (Exit 36) in Iredell County (26 miles). This project offers drivers the option of using the existing general purpose lanes for free, or paying a toll to enter and exit the I-77 Express Lanes at various points.

IMPORTANT FACTS

Construction Started: November 16, 2015

Projected Cost: \$665M

Open to Traffic: 1st segment November 2017,
Late 2018 for all segments

Type of Tolling: Express Lanes

KEY NCTA ACTIVITIES

Listed below are key activities currently being conducted by NCTA in order to bring the project on-line.

CONSTRUCTION

- Participating in project meetings with I-77 Mobility Partners (I77MP)
- Conducting reviews of All-Electronic Tolling (AET) System, Intelligent Transportation System (ITS), Pavement Marking and Signing plan

FINANCE

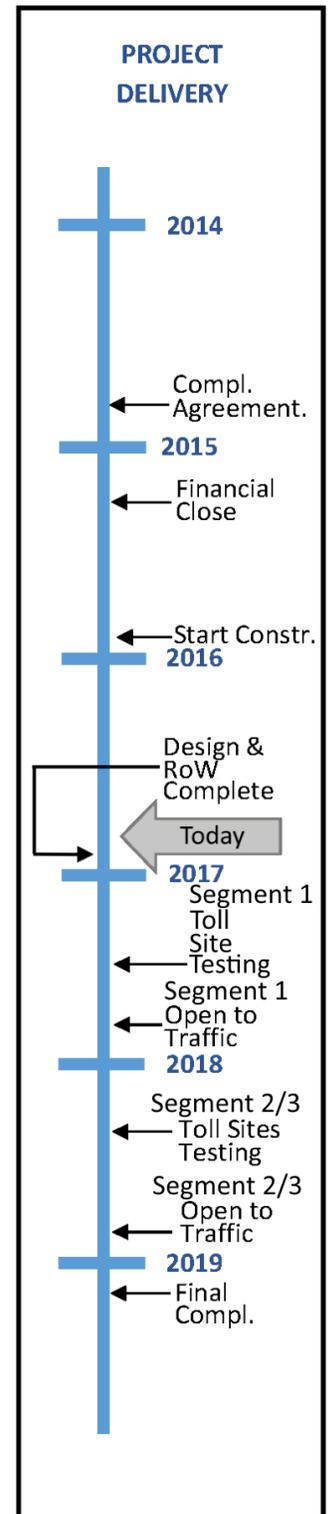
- Determining Operations and Maintenance (O&M) costs for processing Electronic Toll Collection (ETC) and Bill by Mail (BBM) video transactions
- Cost estimate developed for Charlotte/I-77 area NC Quick Pass Storefront

ALL-ELECTRONIC TOLLING

- Continue preparation of toll-related contract modifications in 2016:
 - Back Office System (BOS)
 - Interface Control Document and Processing Business Rules between I-77 and BOS (95% complete as of November 15, 2016)
 - Electronic Toll Collection System (ETCS)
 - NCTA received bids HOV for declaration technology that may be used on I-77 Express Lanes and other NCDOT/NCTA Express Lanes

OPERATIONS

- Toll Operations – Determining staff requirements for storefront
- Coordination with Developer for Charlotte/I-77 area NC Quick Pass Storefront in final stages (complete)
 - Co-located in I77MP Admin. & Maint. Bldg (to open July 2017)
- Developing system communications requirements I77MP to NCTA CSC



PROJECT STATUS SHEET

PROJECT DESCRIPTION

NCDOT and NCTA have undertaken an upgrade to the existing SB exit ramp from Toll NC-540 to NC 55 Bypass east of the Old Holly Springs Apex Road proposed interchange. The project consists of approximately 1,000' of ramp plan and profile upgrades in the southwest quadrant of the existing interchange of NC 55 Bypass and Toll NC-540. The project will improve the ramp sight distance and increase the radius of the curve at the foot of the ramp, thereby improving motorist safety. The Intelligent Transportation System (ITS) trunkline and an ITS device will be impacted therefore ITS plans will be part of the package.

IMPORTANT FACTS

Construction to Start: April 2016

Project Cost: \$1,307,000

Open to Traffic: November 2016

Type of Tolling: N/A

KEY NCTA ACTIVITIES

Listed below are key activities being conducted by NCTA in the next six months in order to bring the project online.

DESIGN/CONSTRUCTION

- Complete modifications to ramp tie-ins
- Close out project

FINANCE

- No activities anticipated

ALL-ELECTRONIC TOLLING

- No activities anticipated

