Complete 540 Phase 2 Industry Forum

November 14, 2022



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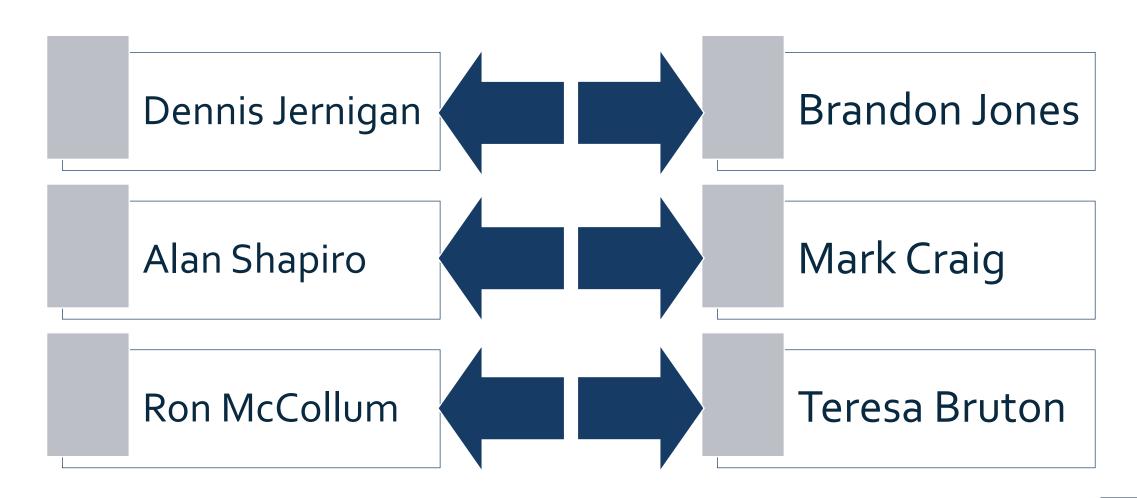
Complete 540 Phase 2 Industry Forum

- Welcome
- Introductions and Attendance Registration
- Project Overview
- Project Development & Permitting
- DBE Goals & Considerations
- Procurement Schedule Overview
- Procurement Information
- Contract Administration
- Notable Design-Build RFP Provisions
- Right of Way, Utilities and Long Lead-Time Items
- Open Discussion





NCDOT/NCTA Corresponding Roles



Project Overview

Complete 540

Open to traffic (42 miles)

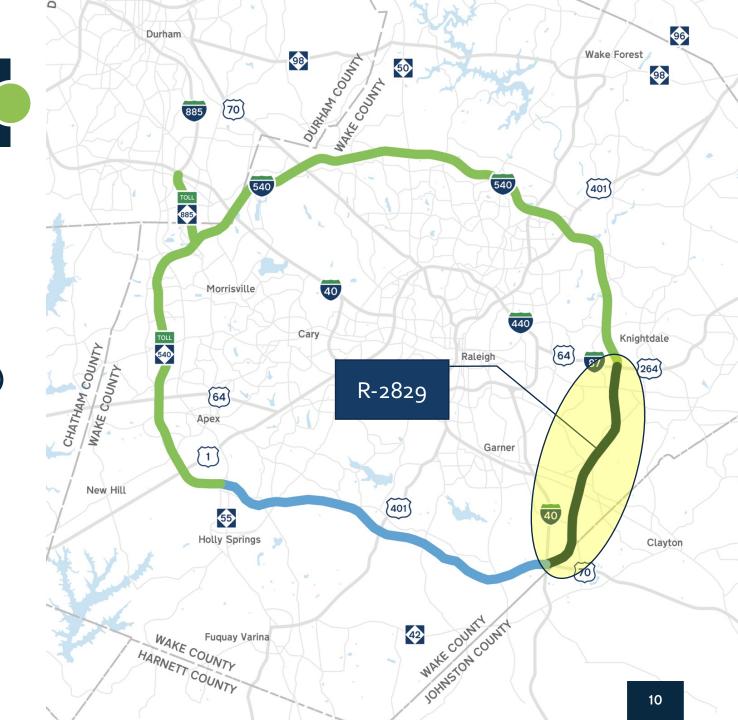
I-540 & Triangle Expressway

Under construction (18 miles)

Triangle Expressway
Southeast Extension
(Complete 540 - Phase 1)

Missing link (10 miles)

Triangle Expressway Southeast Extension (Complete 540 - Phase 2)



R-2829B

- Open to traffic (I-540)
- Under construction (R-2828)
- Missing link (R-2829)

R-2829B

- 6.0 miles on new location
- 3 full interchanges + 1 partial



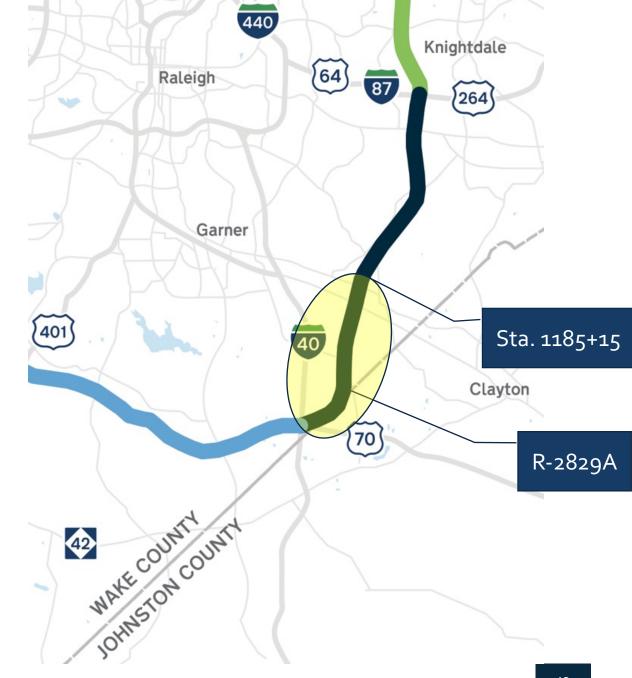


R-2829A

- Open to traffic (I-540)
- Under construction (R-2828)
- Missing link (R-2829)

R-2829A

- 4.2 miles on new location
- 2 full interchanges + 1 partial





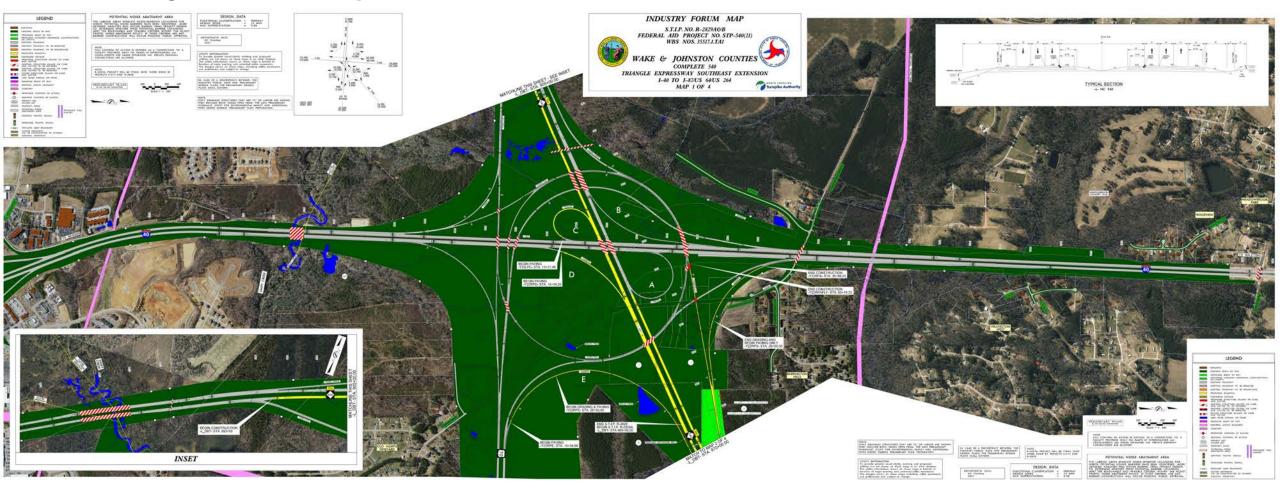
I-40 US 70 NC 540

Turbine Style Interchange











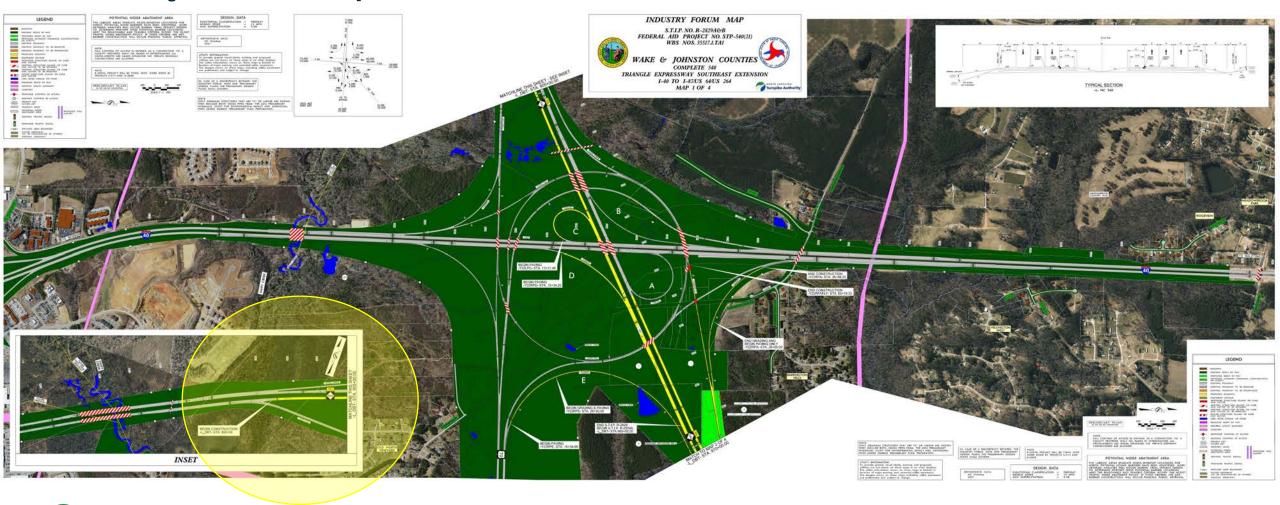
Key Project Elements on Map 1

- Eastbound Mainline NC 540 Begin Paving Sta 893+00
- Continue Eastbound Mainline NC 540 Paving Sta 905+00 to 965+50 except bridges
- Westbound Mainline NC 540 Paving Sta 942+40 to 965+50
- Loop C Paving
- Ramps D, E, & A Paving
- 2 New Bridges on Ramp A Fly
- Ramps E, A, & A Fly Grade, Drain, & Pave
- Mainline Begin R-2829A Project Sta 965+50



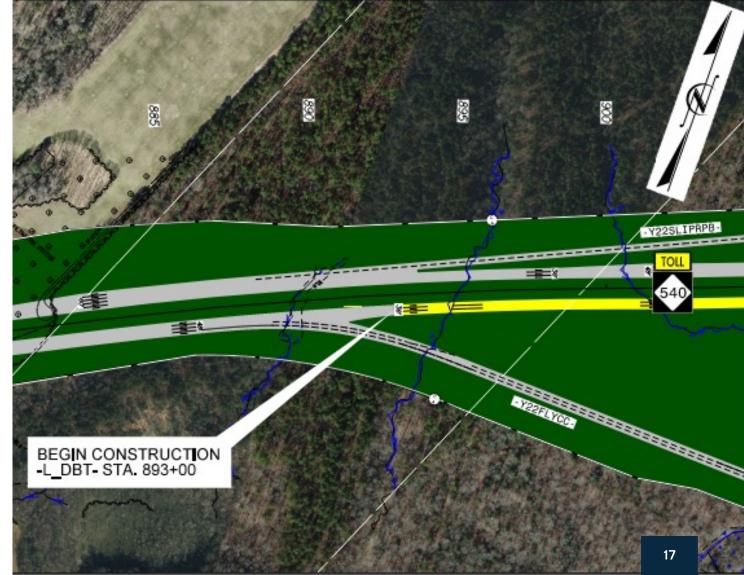


NORTH CAROLINA **Turnpike Authority**



Begin Project R-2829A Paving

- Grading to be completed under R-2828
- Paving to be done under R-2829A beginning at Sta 893+00
- Concrete pavement to match R-2828 pavement

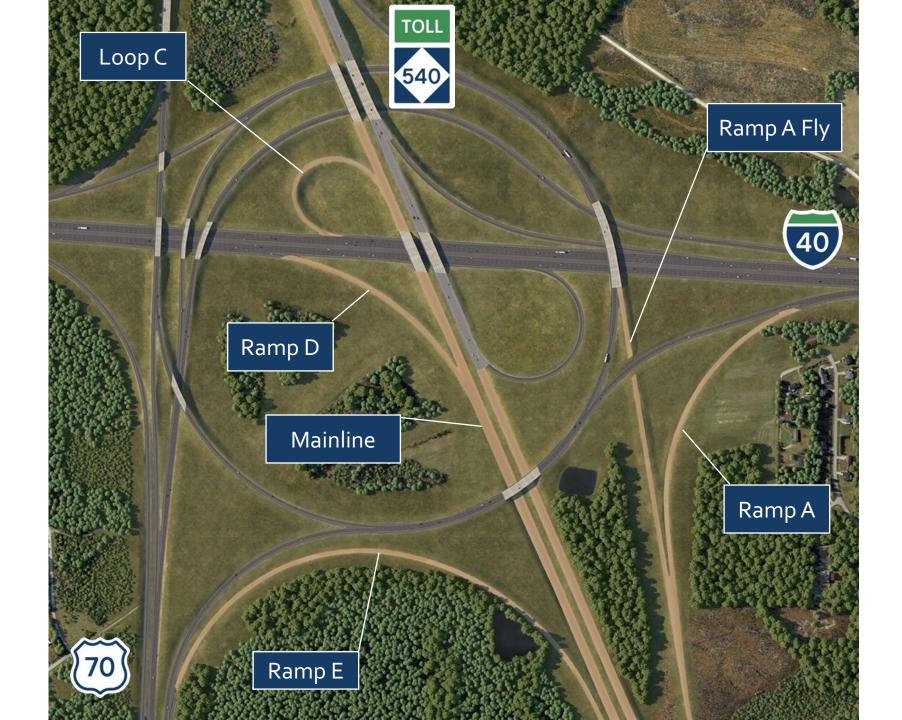




I-40 US 70 NC 540

Turbine Style Interchange





Loop C Paving

- Grading to be completed under R-2828
- Paving required from back of the gore off eastbound I-40 (Sta 13+31.46) to back of gore off eastbound NC 540
- Asphalt paving to be used to match R-2828
- Gore area and taper along eastbound NC 540 to west end bridge abutment along eastbound NC 540 over I-40 - concrete pavement to match R-2828

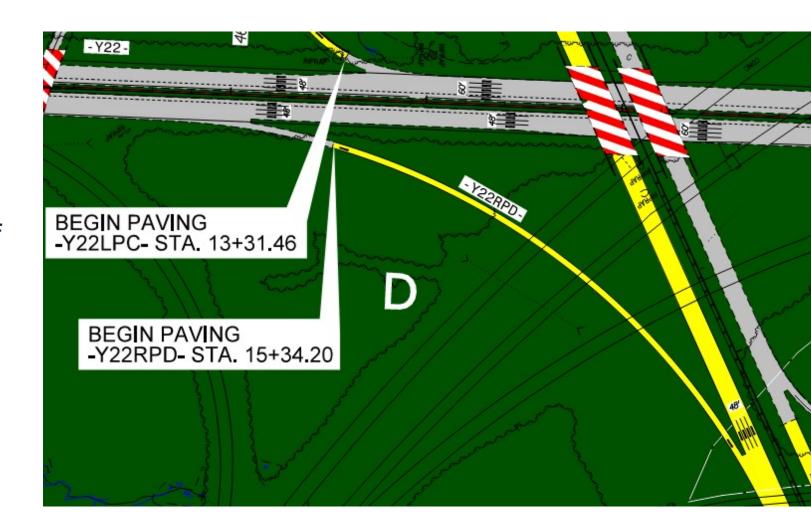






Ramp D Paving

- Grading to be completed under R-2828
- Paving required back of the gore off westbound I-40 (Sta 15+34.20) to back of gore off eastbound NC 540
- Asphalt paving to be used to match R-2828
- Gore area and taper along eastbound NC 540 concrete pavement to match R-2828



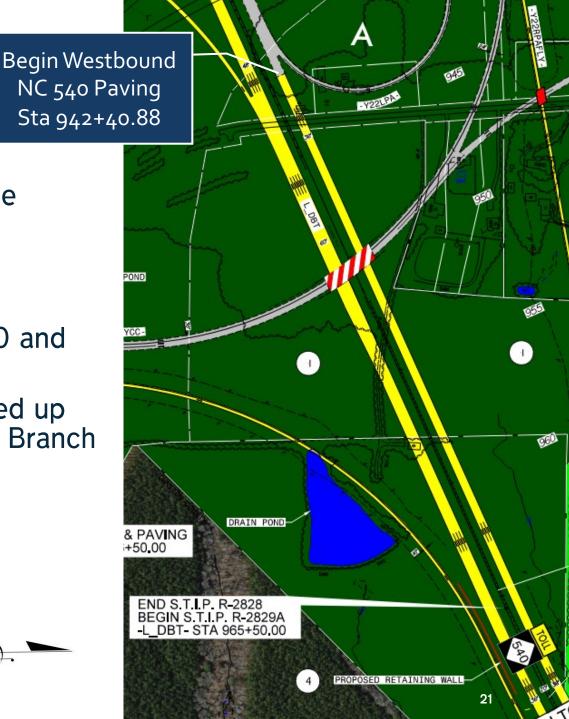




R-2829A Mainline Grading and Paving

- Eastbound mainline paving will continue from the match line to Sta 965+50
- Westbound mainline paving will commence at 942+40.88 and continue through 965+50
- Mainline grade, drain, and pave starts at 965+50 and ahead
- Concrete pavement to match R-2828 will be used up to the west abutment of the bridges over Bushy Branch (on map 2)



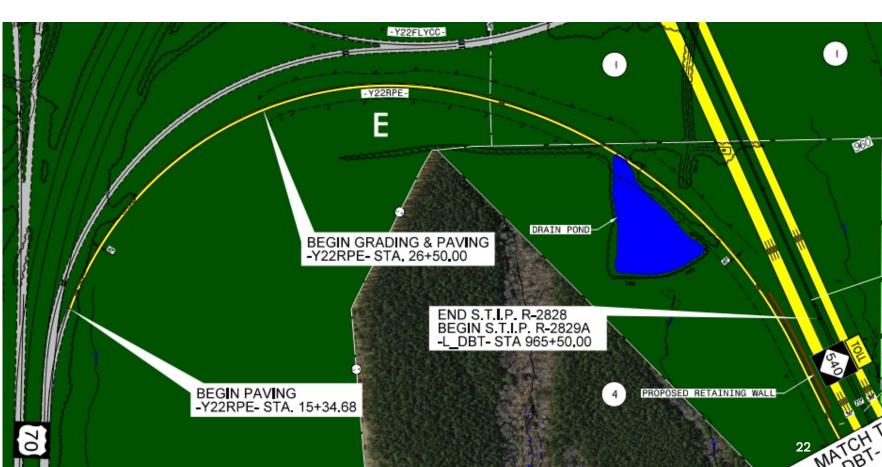




Ramp E Grading and Paving

- Grading to be completed under R-2828 Sta 26+50 to 15+34.68
- Paving required ahead of Sta 15+34.68 to Sta 26+50
- Asphalt paving to be used to match R-2828 to west end of bridge over Bushy Branch
- Grading and Paving required from Sta 26+50 to back of gore off eastbound NC 540
- Ramp bridge over Bushy Branch (see map 2)





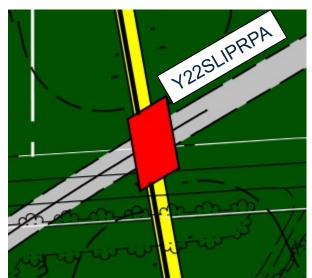
Ramp A FLY Grading and Paving

Asphalt paving to be used to match R-2828

 Grading and Paving required from Sta 65+19.33 to back of gore off westbound NC 540

Three ramp bridges on Y22RPAFLY

- One over Y22SLIPRPA
- One over potential future Y22FLYCA
- One over Bushy Branch (see map 2)







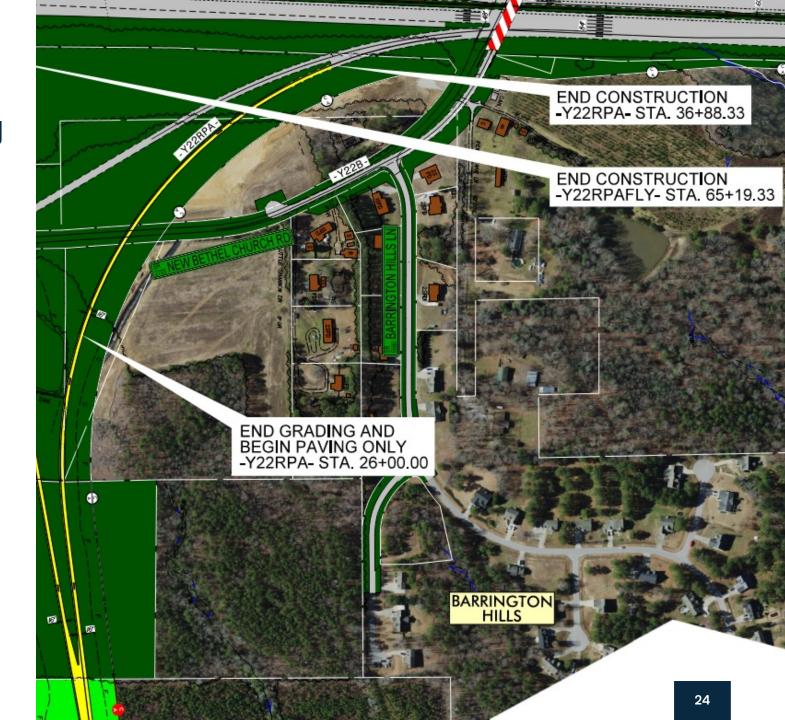


Ramp A Grading and Paving

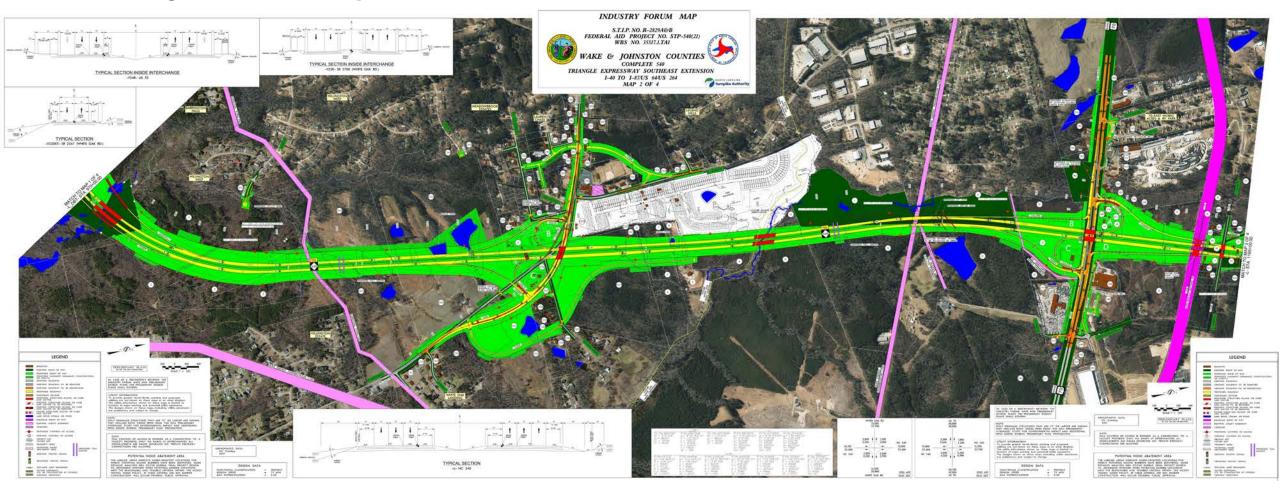
- Grading to be completed under R-2828 – Sta 26+00 to 36+88.23
- Paving required back of Sta 36+88.23 to Sta 26+00
- Asphalt paving to be used to match R-2828
- Grading and Paving required back of Sta 26+00 to 10+00











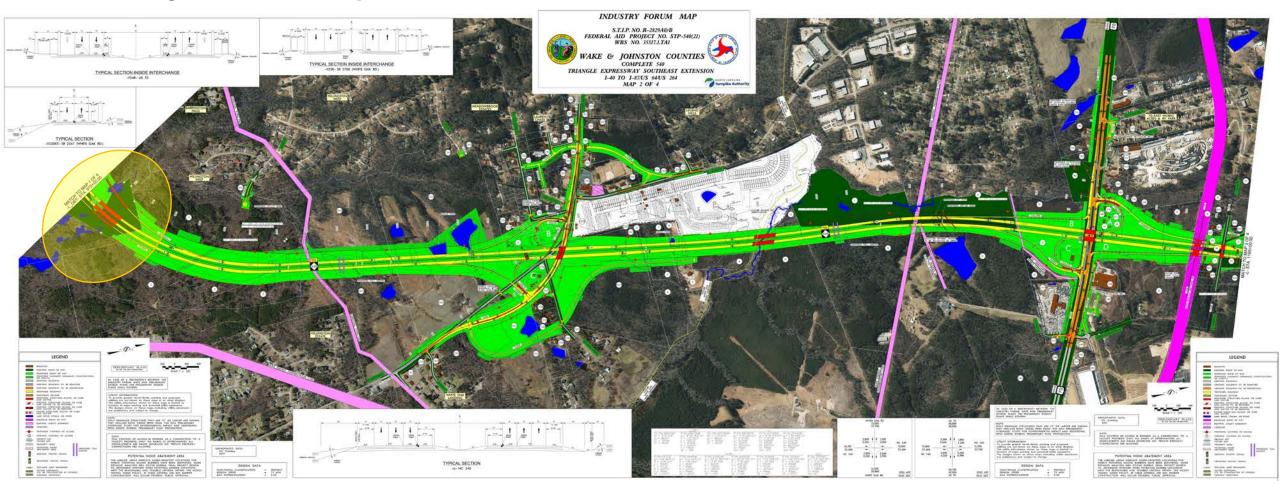


Key Project Elements on Map 2

- 4 Bridges over Bushy Branch 2 Mainline and 2 Ramps
- Cardinal Pipeline Crossing ~ Sta 1010+50
- White Oak Road Interchange
- 2 Mainline Bridges over White Oak Creek and Future Greenway
- WRAL Tower Anchor and Duke Transmission ~ Sta 1111+00
- US 70 Business Interchange
- Grade Separation at Norfolk Southern and North Carolina Railroad Crossing
- Grade Separation at Garner Road Crossing



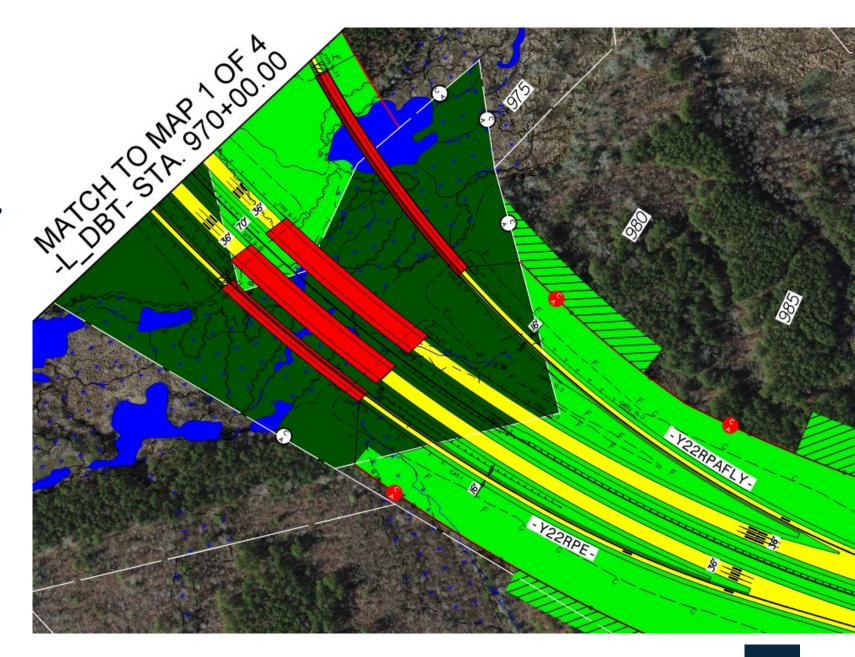






Bushy Branch Bridges

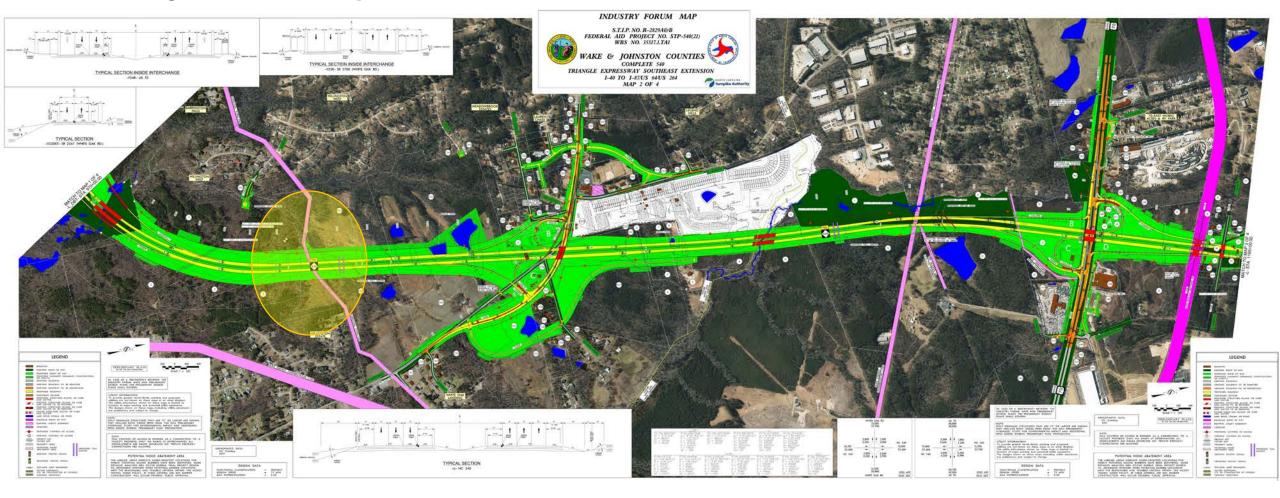
- Swift Creek watershed
- Four Bridges 2 Mainline,
 1 Ramp E, and 1 Ramp A
 FLY
- Bushy Branch is a large wetland system that should be bridged with minimal to no impacts to wetlands and streams





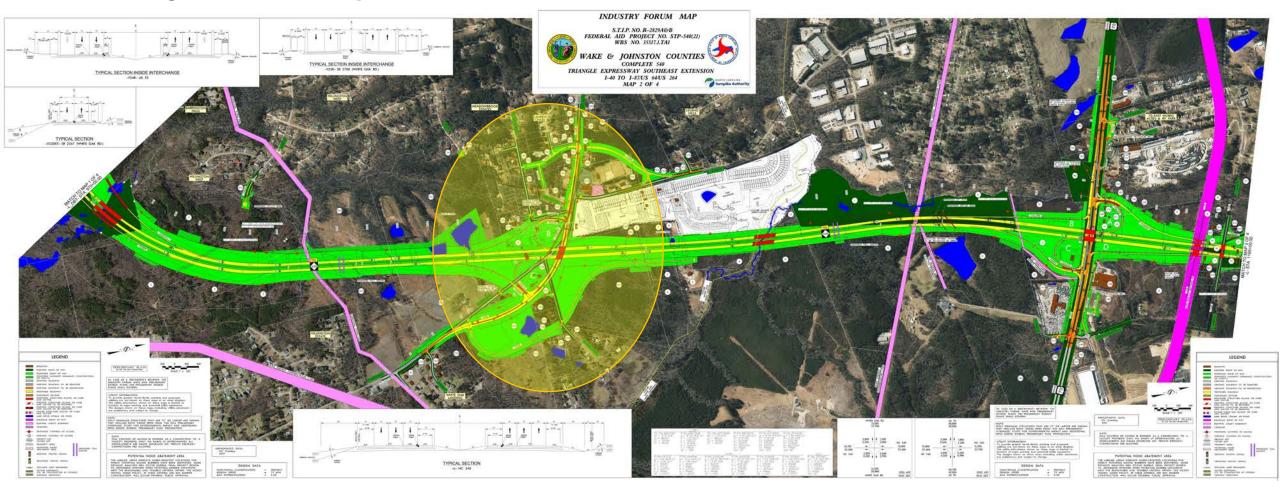












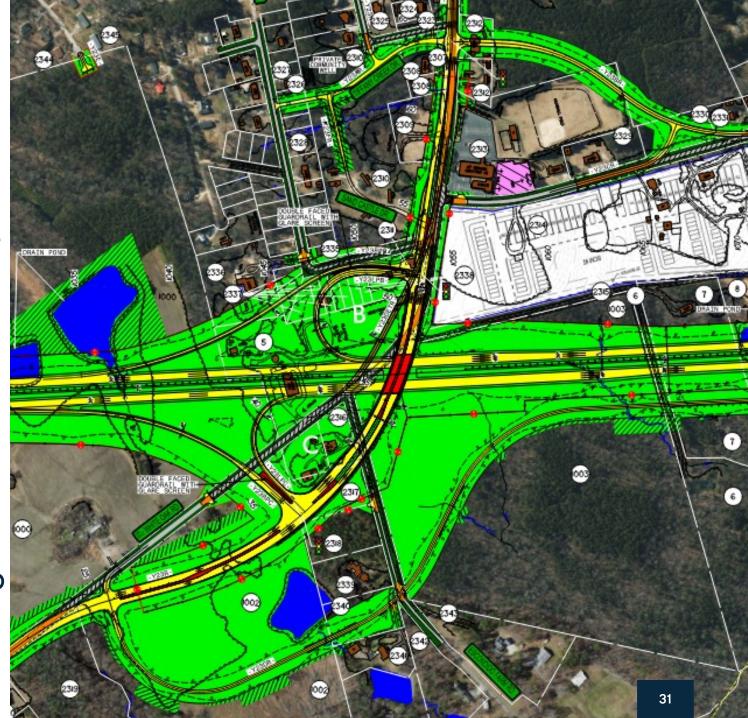


White Oak Road Interchange

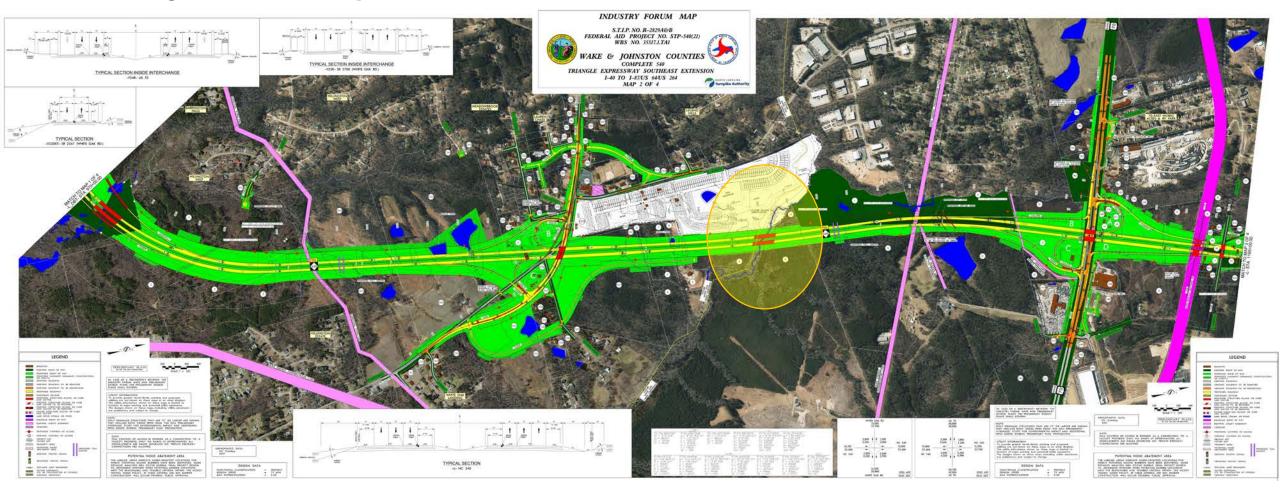
- Relocation of White Oak Road
- Utilize existing road as part of the onsite detour
- Relocation of Raynor Road away from the interchange
- Relocation and extension of Tiffany Creek Drive to access local properties
- Extensive service road to serve properties off Escondido Farm Road and Hidden Acres Trail
- Three traffic signals two at ramp terminals and one at Raynor Road











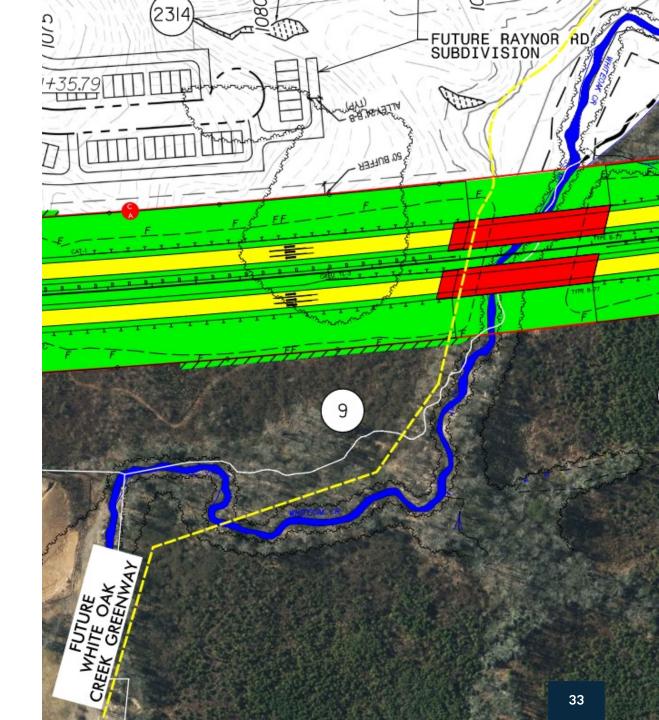


White Oak Creek and Future Greenway Crossing

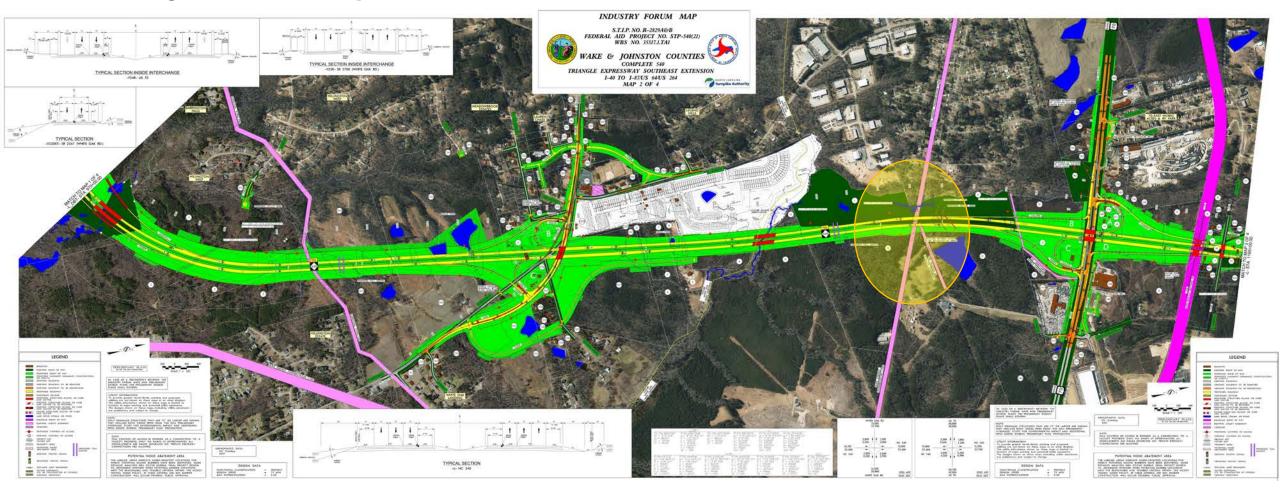
- Swift Creek watershed
- Two mainline bridges over White Oak Creek and Future Greenway
- Raynor Road development is building a segment of the White Oak Creek Greenway along the south side of the creek
- NC 540 will accommodate and build the trail from right of way to right of way under the NC 540 bridges
- 20-foot minimum bench required for trail







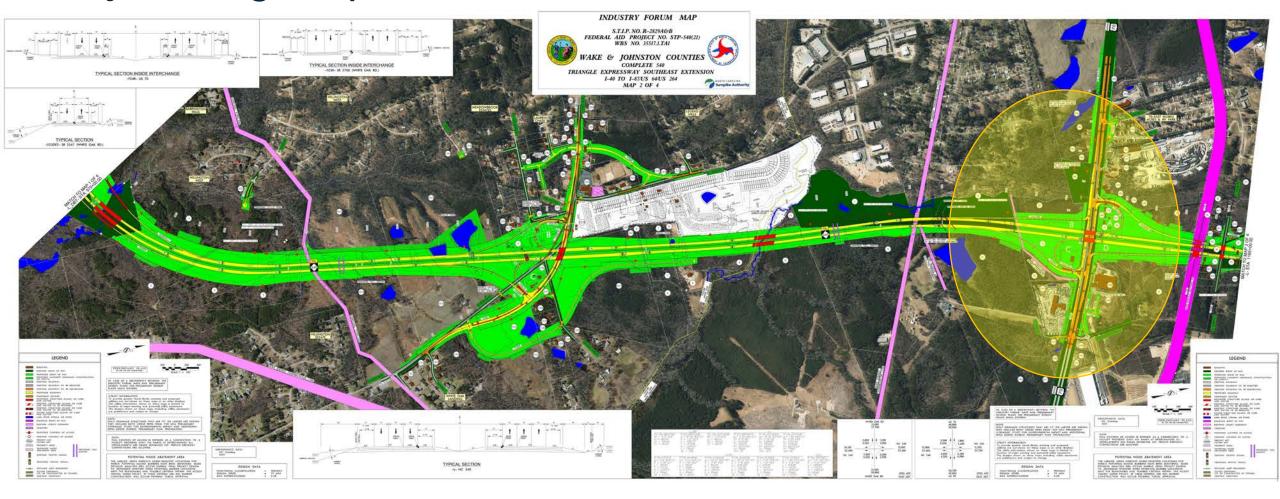








Project Design Map 2





US 70 Business Interchange

- Quadrant B has extensive wetlands and streams in Swift Creek watershed
- Quadrant D has existing development
- Existing development along US 70 Business requiring access
- Several service roads
- Adjacent traffic signal at Garner Business Park Drive and TV Tower Road
- Two new traffic signals at ramp terminals



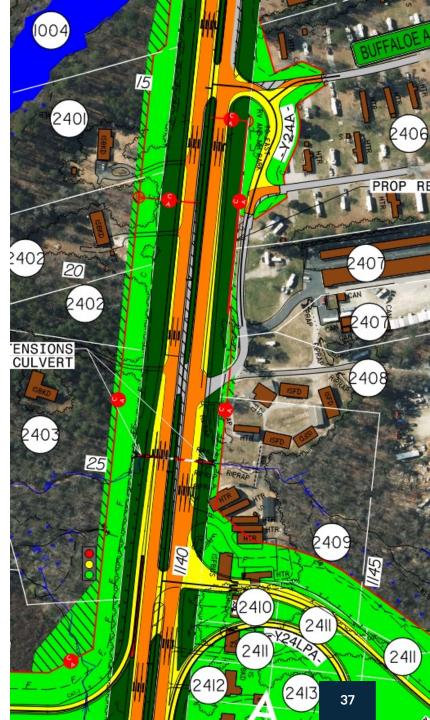




US 70 Business

Interchange

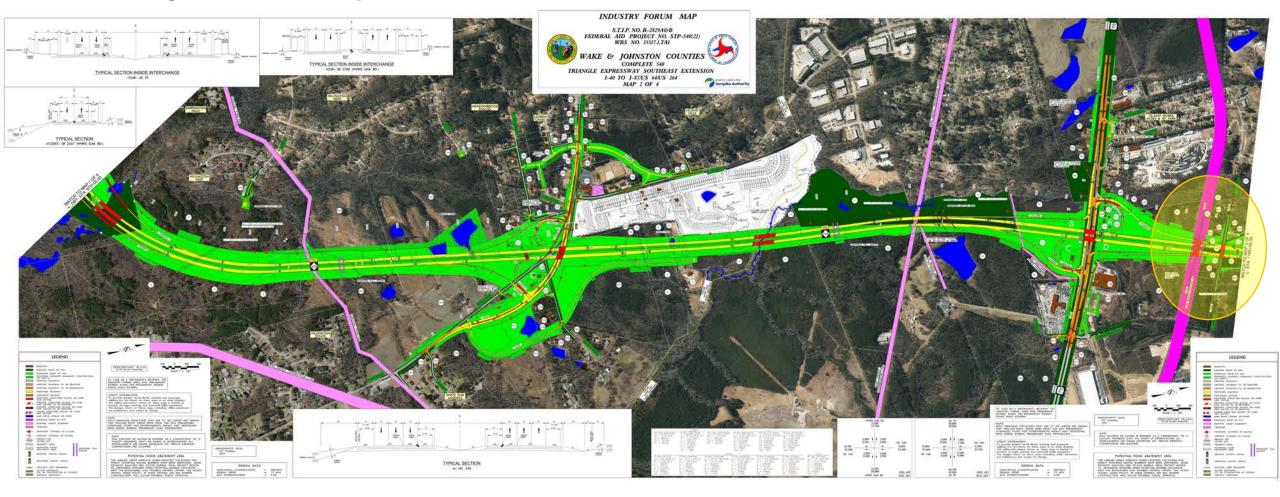












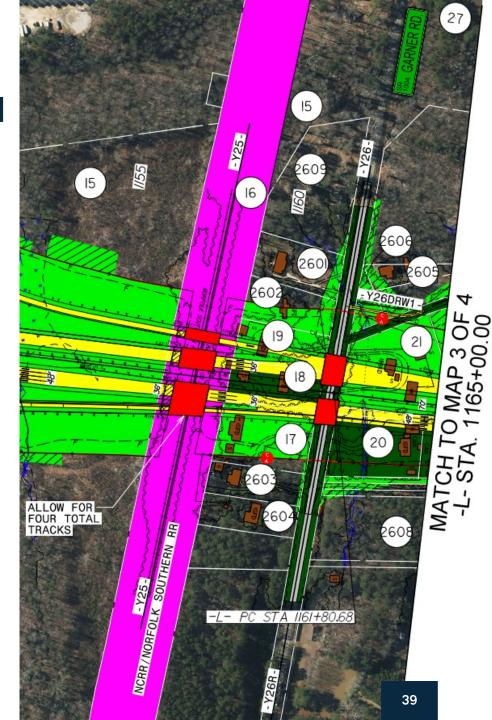


Norfolk Southern and North Carolina Railroad Crossing and Garner Road Crossing

- Design for 4 tracks along railroad currently two tracks existing
- Three bridges over railroad 2 mainline and 1 ramp
- Two bridges over Garner Road





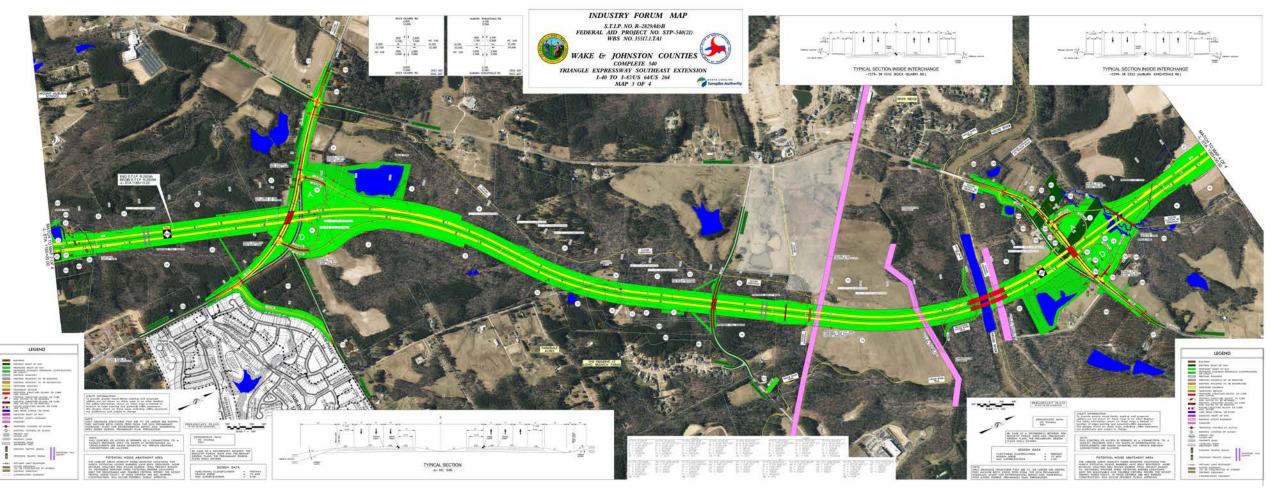


Railroad Coordination - R-2829A

- Norfolk Southern Railroad and North Carolina Railroad Company
- Engineering Agreement executed
- Parcel 16 ~ Sta 1157+50
- Will be working to define clearance, flagging and insurance requirements
- Design-Build Team responsible for coordination





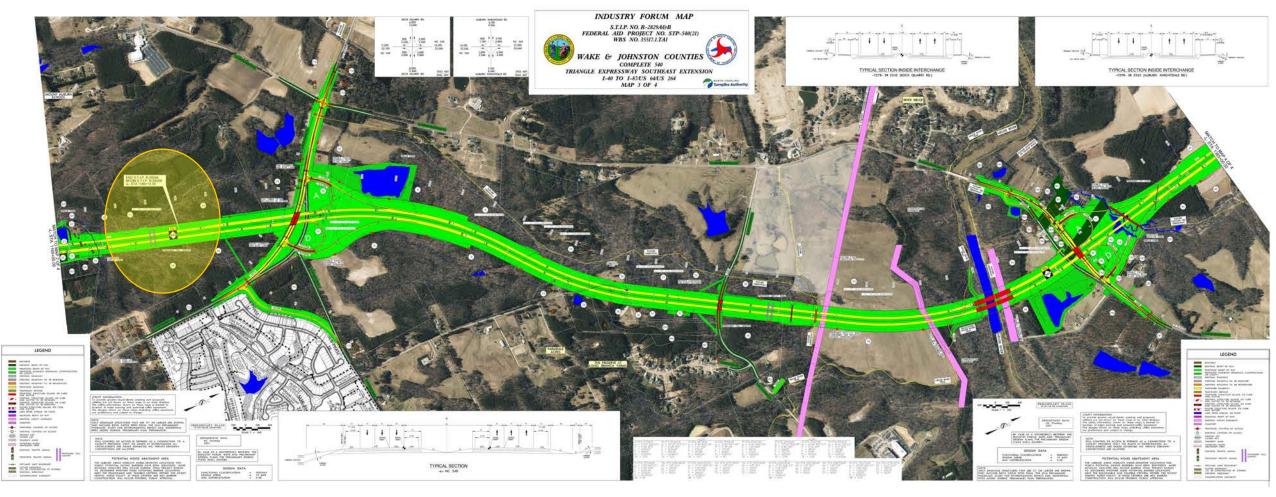




Key Project Elements on Map 3

- End R-2829A and Begin R-2829B Sta 1185+15
- Rock Quarry Road Interchange
- FAA Tower
- Community Well Aqua
- Battle Bridge Road Crossing
- Randleigh Farm culverts, transmission, sewers, greenway, conservation easement
- Neuse River Crossing including new sewer easement and future greenway
- Auburn Knightdale Interchange





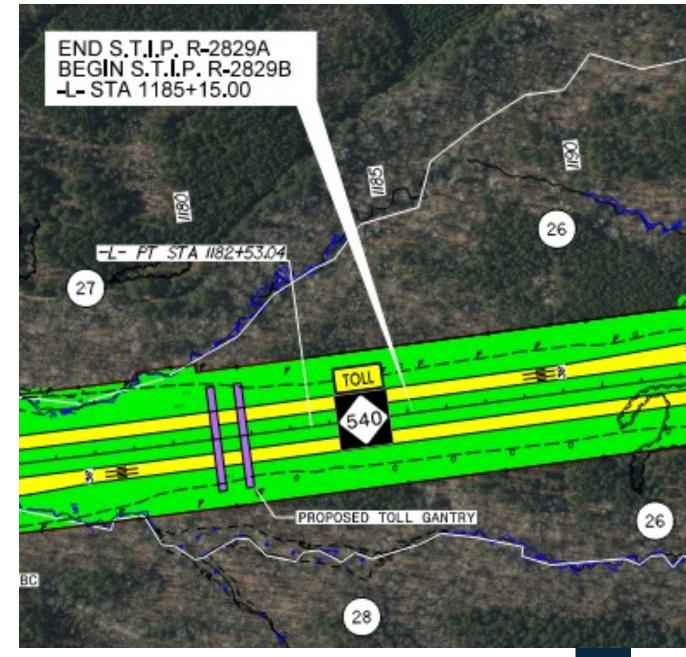


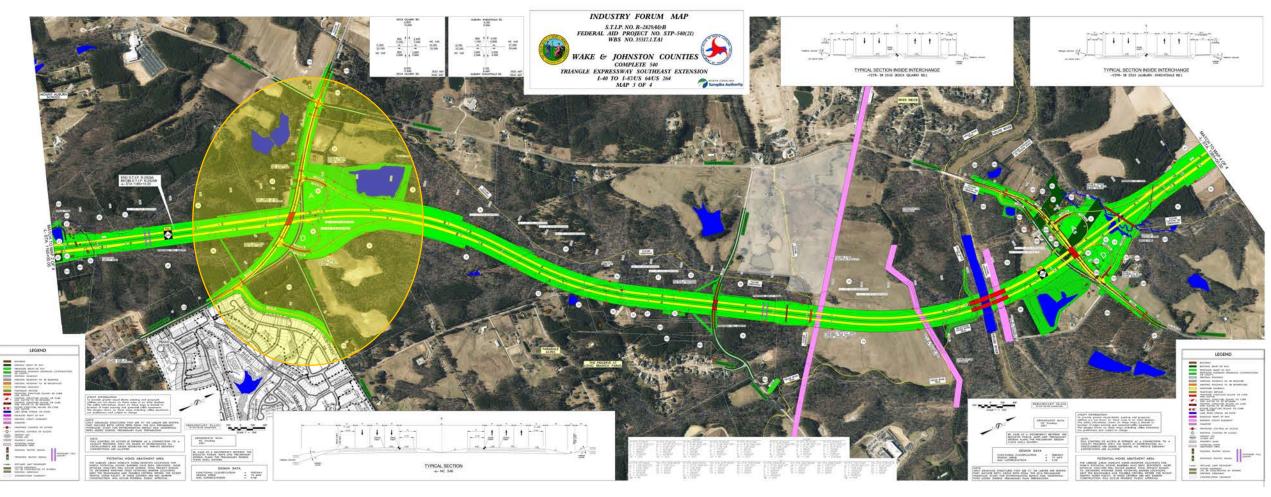
End R-2829A and Begin R-2829B

- Sta 1185+15 project match point
- Location selected on horizontal and vertical tangent
- Normal typical section
- Between interchanges









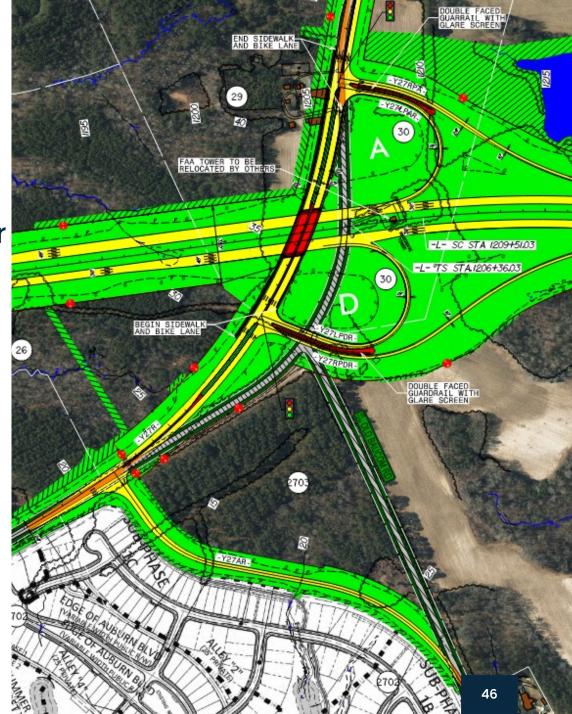


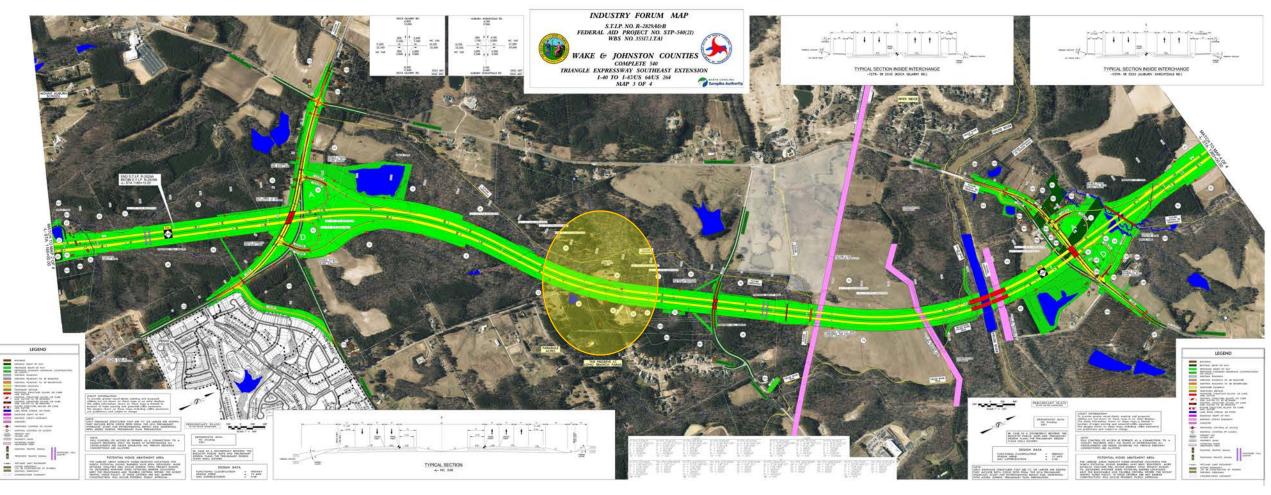
Rock Quarry Road Interchange

- Relocation of Rock Quarry Road
- Utilize existing road as part of the onsite detour
- Relocation of Old Baucom Road
- Two new traffic signals at ramp terminals
- One existing traffic signal at Auburn Knightdale Road and Rock Quarry Road
- Watershed divide between Swift Creek and Neuse River
- FAA tower relocation by others

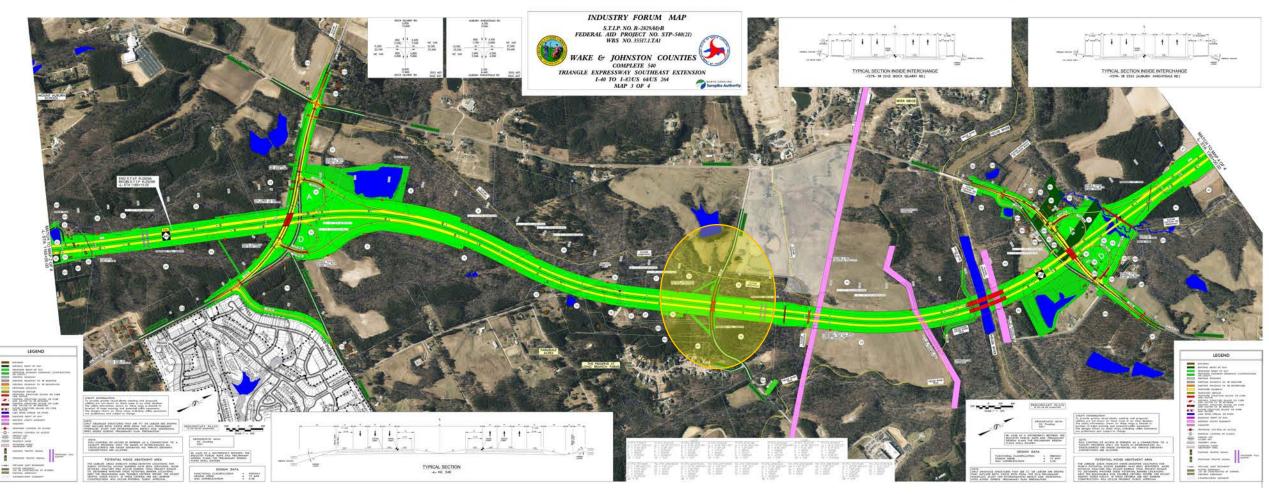














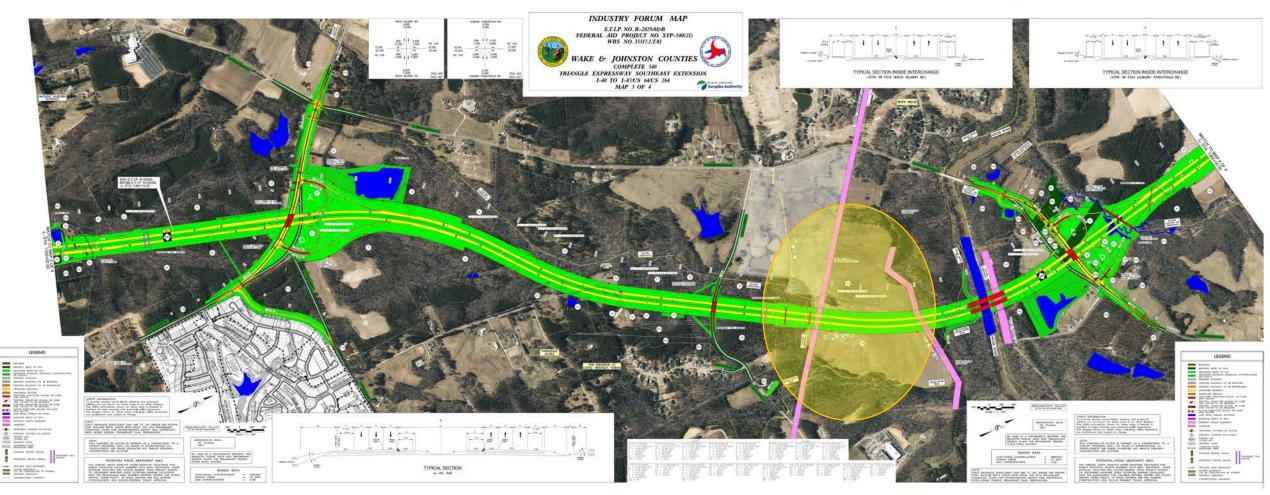
Battle Bridge Road Crossing

- NC 540 mainline bridges over Battle Bridge Road
- Bridges were lengthened for sight distance along existing Battle Bridge Road











Randleigh Farm

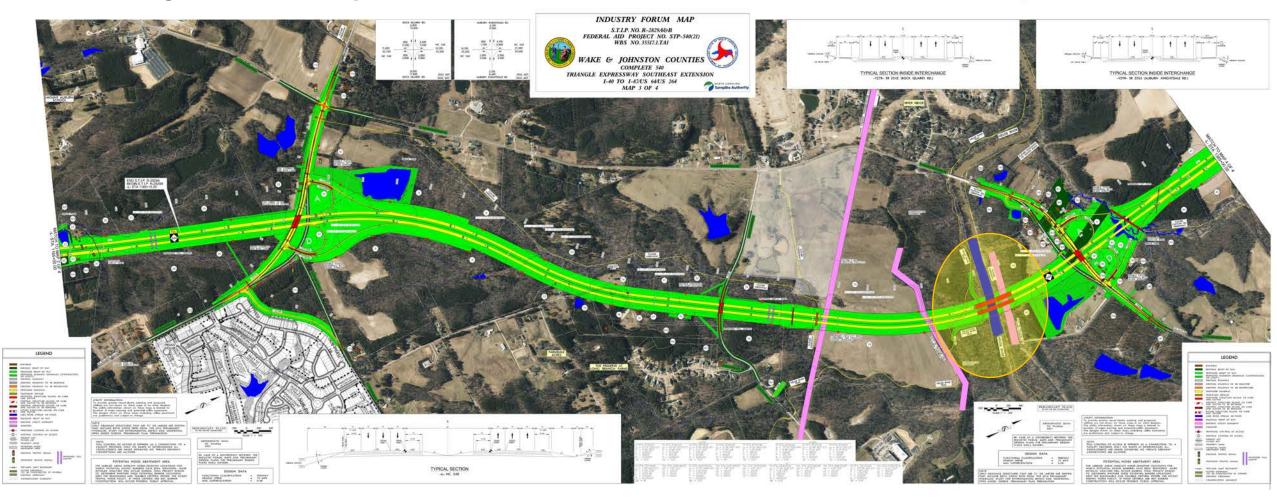
- Culvert crossing for future greenway to connect to Neuse River Trail
- Service vehicle culvert crossing
- Sewer pipe crossings 2 72" pipes and 1 – 24" pipe currently in coordination with City of Raleigh for adjustments







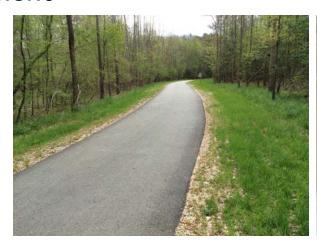




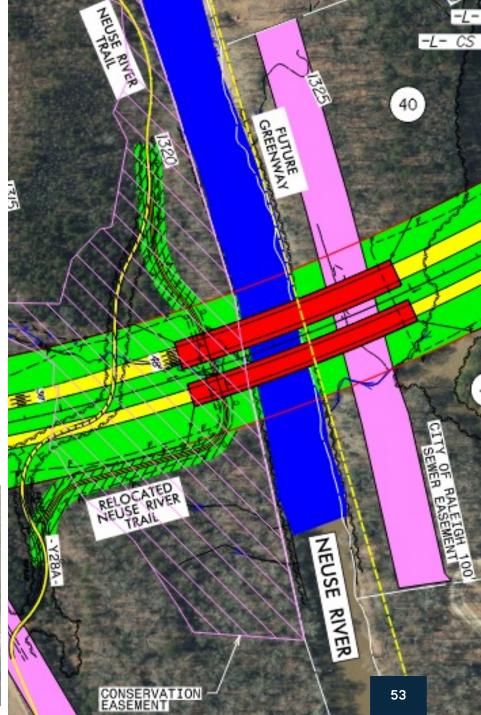


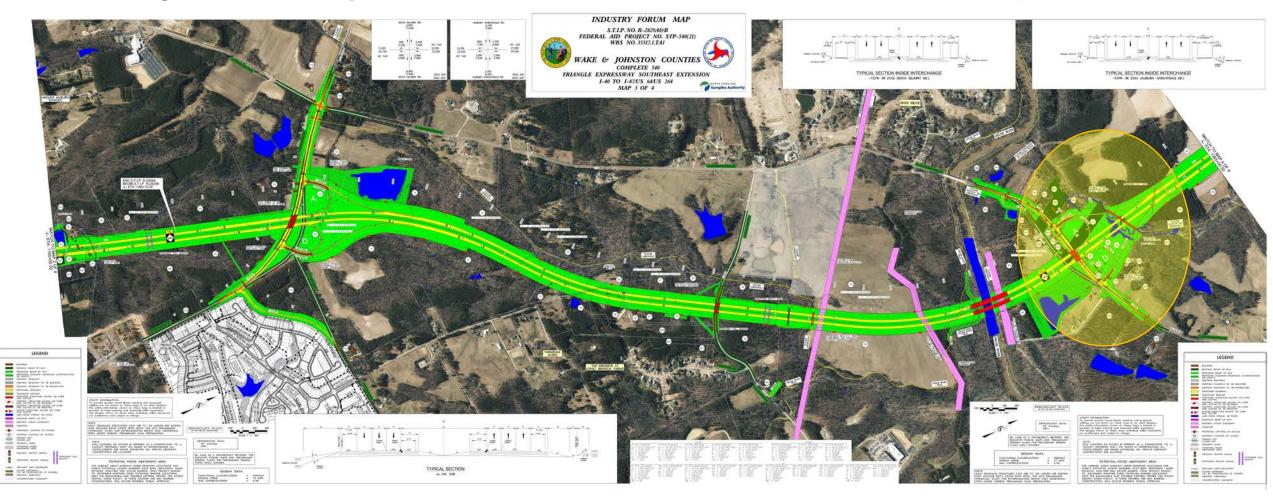
Neuse River Trail, Neuse River, Future Greenway, and Sewer Easement Crossings

- Two NC 540 mainline bridges
- Relocated Neuse River Trail
- Conservation easement on south side
- Neuse River NMFS restrictions for Atlantic Sturgeon critical habitat
- Future greenway on north side
- Existing and future 96" sewer pipes in sewer easement







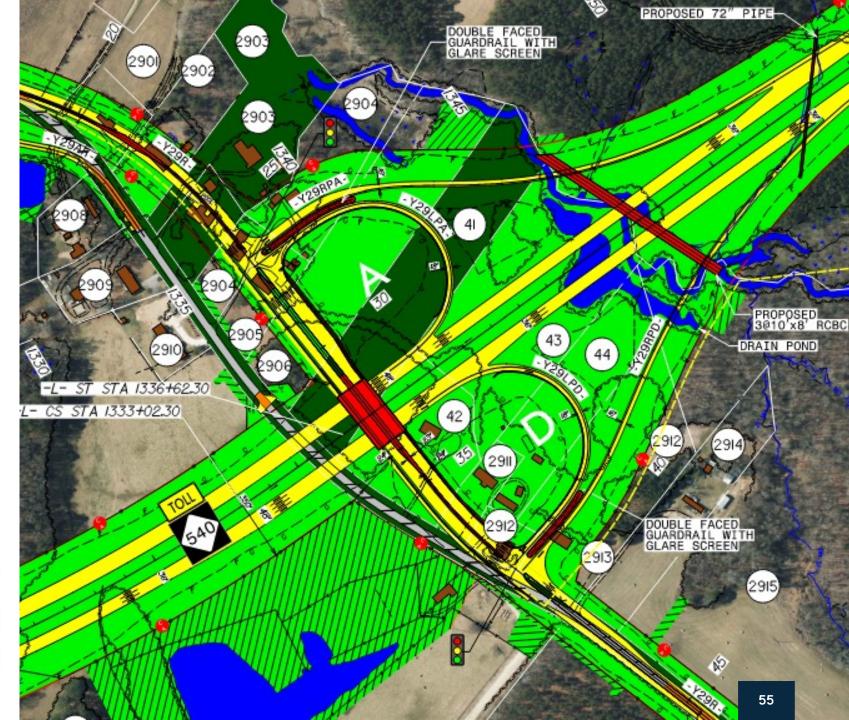




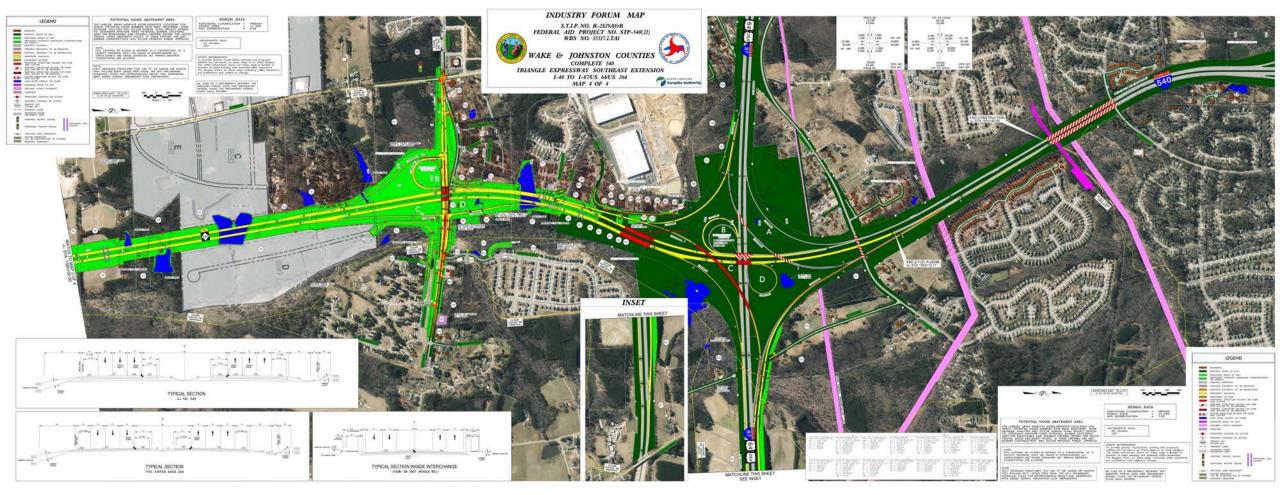
Auburn Knightdale Interchange

- Relocated Auburn Knightdale Road
- Utilize existing road for on-site detour
- Accommodation of future Clifton Road Greenway through interchange
- Two new traffic signals at ramp terminals
- Large box culvert crossing









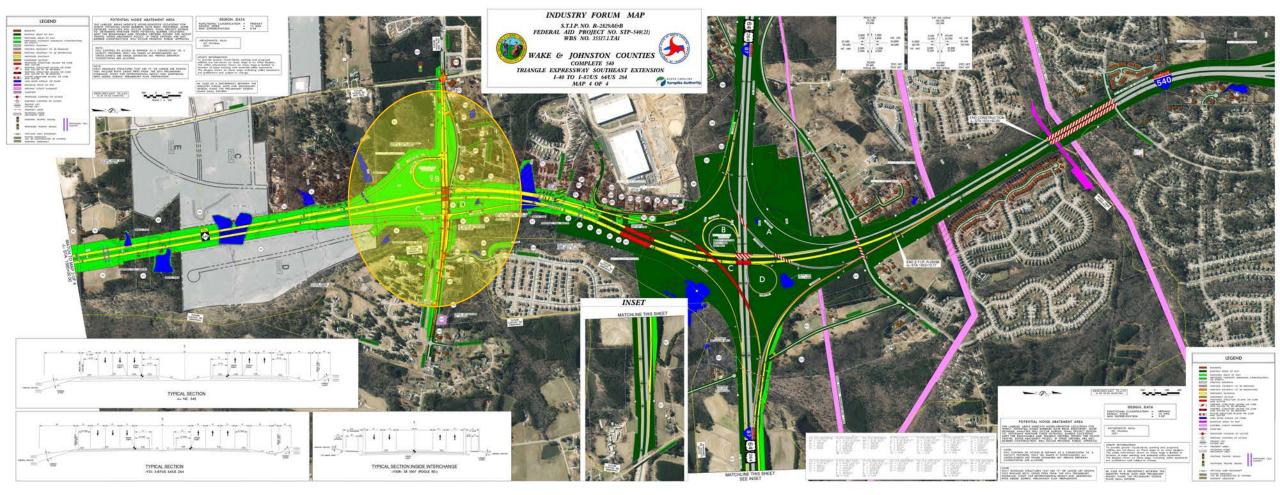


Key Project Elements on Map 4

- Poole Road Interchange
- SBA Cell Tower and Raleigh Rugby Club
- Cemetery along Poole Road
- Knightdale Estates Wastewater Treatment Plant
- Wetland Bridges
- I-87 (US 64/264) Interchange
- Duke Transmission Crossings
- End R-2829B









Poole Road Interchange

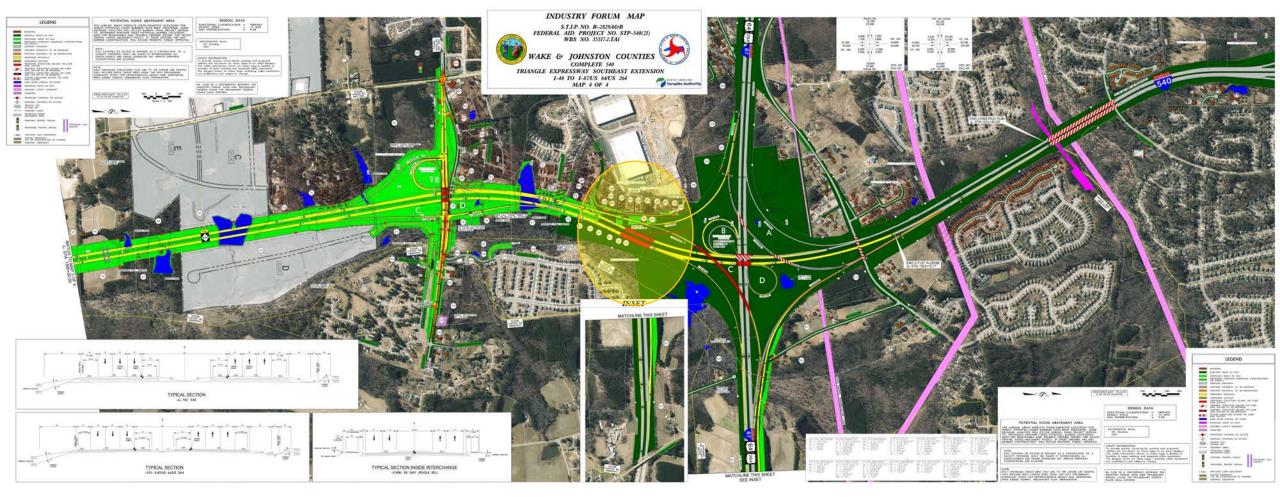
- Relocated Poole Road
- Utilize existing road as part of the on-site detour
- Two new traffic signals at ramp terminals
- One existing traffic signal at Hodge Road and Poole Road
- Existing culvert extensions
- SBA Communication tower
- Cemetery grave relocation
- Knightdale Estates sewer system







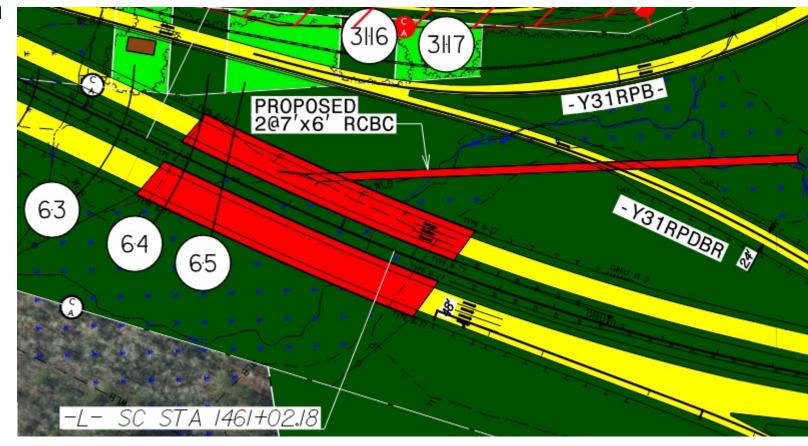






Mainline Wetland Bridges

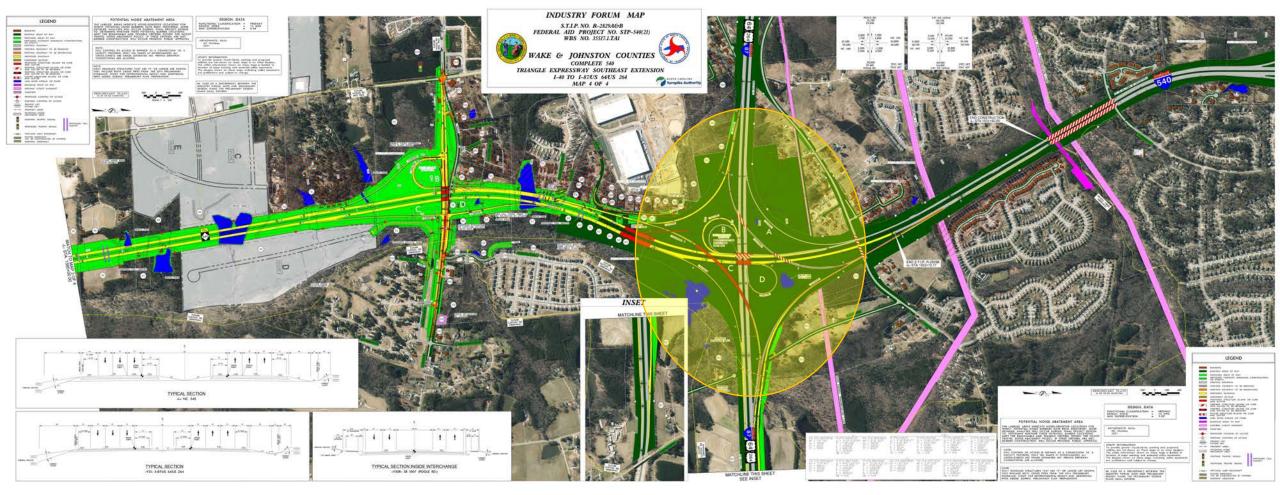
- Two mainline bridges over wetlands and stream
- Box culvert to convey stream
- Near I-87 interchange













I-540 and I-87 / US 64 / US 264 Interchange

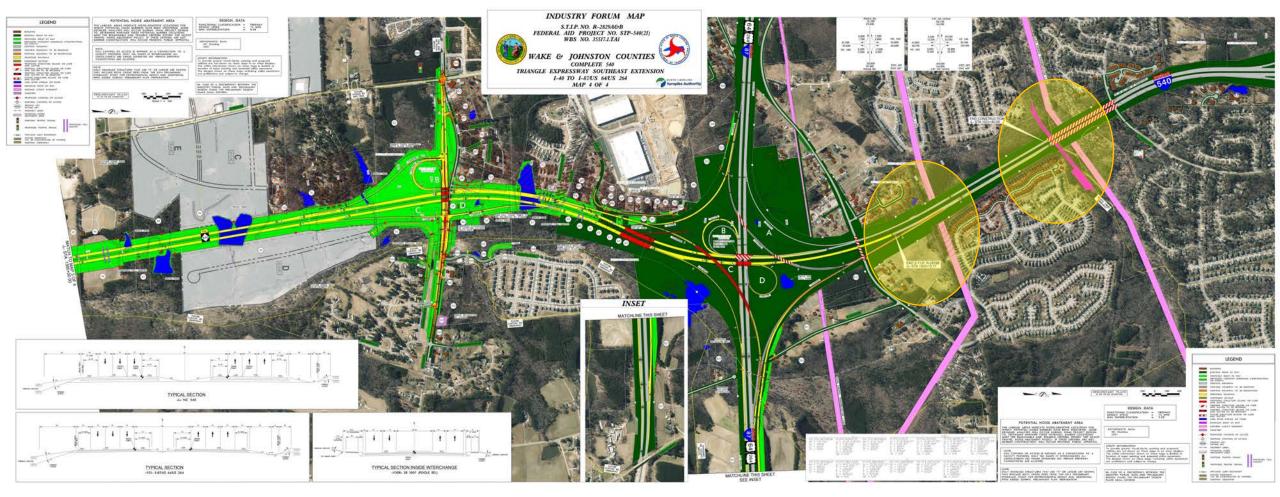
- Complete mainline and ramps at I-87
- Reconstruct existing Loop B
- One mainline bridge over I-87
- Widening and modification to existing mainline bridge over I-87
- New flyover ramp bridge (Y31RPDBR)
- Duke Transmission crossing













End of R-2829B

- R-2829B ends at Sta 1502+70.17 at I-540
- Ramp tapers extend along I-540
- R-2829B construction ends at Sta 1531+00
- No changes are allowed on the I-540 bridges over Mingo Creek and the Norfolk Southern Railroad









Project Development & Permitting

Project Development & Permitting – Completed Activities

| • | Draft EIS | November 2, 2015 |
|---|---|-------------------|
| • | Final EIS | December 21, 2017 |
| • | Design Public Hearing | February 22, 2018 |
| • | Record of Decision & Date of Public Knowledge | June 6, 2018 |
| • | FHWA Approval of Project Management Plan | January 22, 2019 |
| • | FHWA Approval of Initial Financial Plan | February 5, 2019 |
| • | Corridor Permit Obtained | October 24, 2019 |
| • | Permit Modifications for Complete 540 Phase 1 | 2020-2022 |



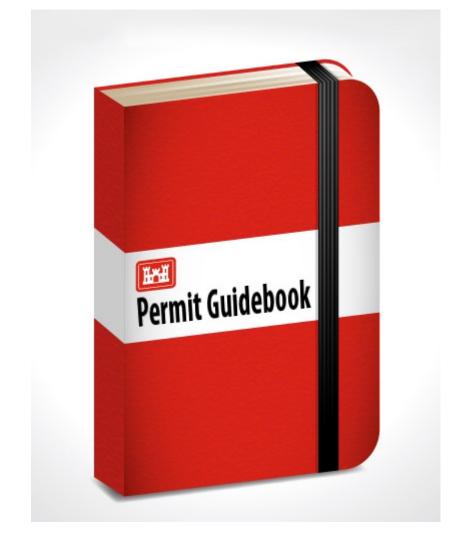
Project Development & Permitting – Current Activities

- Interstate Access Report Underway I-87 (US 64/US 264)/I-540/NC 540 interchange
- Traffic Noise Report Addendum Underway
 - Refined Preliminary Design
 - Updated Traffic Forecast (Design Year 2045)
 - Truck Percentages
 - Design Speed
 - Development Through the Date of Public Knowledge
- Natural Systems Survey Updates
 - Wetlands
 - Streams
 - Protected Species
- Financial Plan Update
- Project Management Plan Update



Permitting

- NCTA obtained 404/401 corridor permit for Phase 1 and Phase 2 of Complete 540 project
- R-2829B and R-2829A Design-Build Team responsible for 4B and 4C type agency meetings and major permit modification packages
- National Marine Fisheries conditions/restrictions for construction in and around the Neuse River
- R-2829A is entirely in the Swift Creek watershed
- R-2829B is in the Neuse River watershed except area south of Rock Quarry Road is in the Swift Creek watershed
- River Safety Plan required for Neuse River crossing (R-2829B)





DBE Goals & Considerations

DBE Goals and Considerations

DBE Goals:

• R-2829B: 4%

• R-2829A: 5%

 Applies to construction and right of way portion of contract commensurate with past Design-Build procurements



DBE Outreach (current and ongoing)



CONNECT WITH US. Become Certified!



Procurement Schedule Overview

Current R-2829 Procurement Schedule

```
Design-Build Request for Qualifications (RFQ) Advertisement

R-2829B - - - - - November 15, 2022

R-2829A - - - - February 1, 2023

Design-Build Contract Letting

R-2829B - - - - - July 18, 2023

R-2829A - - - - September 19, 2023

Complete Project Financing - - - - - Spring 2024
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Procurement Timelines

- Target comparable completion dates for both projects
- Enable shortlisting on one project to be complete before next advertisement
- Avoid holidays and standard bid days
- Both timelines set in advance
- Aim to manage workload for NCTA, NCDOT, and bidders
- Subject to change, monitor website





R-2829B

| RFQ Advertisement | November 15, 2022 |
|--|---------------------------|
| Statement of Qualifications due from Design-Build Teams | December 20, 2022 |
| Department Announces Short-listed Teams | January 18, 2023 |
| Department Issues Industry Draft RFP to Short-listed Teams | January 18, 2023 |
| First Meeting with Short-listed Teams | February 1, 2023 |
| Department Issues Second Industry Draft RFP to Short-listed Teams | February 15, 2023 |
| Department Holds Statement of Qualifications Debriefs | Week of February 20, 2023 |
| Second Meeting with Short-listed Teams | March 1, 2023 |
| Department Issues Final RFP to Short-listed Teams | March 22, 2023 |
| Technical Proposals and Fuel Usage Factor Chart / Estimate of Quantities Due | June 22, 2023 |
| Sealed Price Proposals Due | July 11, 2023 |
| Technical Presentations by Short-listed Teams | July 12, 2023 |
| Open Price Proposals | July 18, 2023 |
| Department Holds Technical Proposal Debriefs (Pending Contract Execution) | Week of August 21, 2023 |



NOTE: All dates are approximate and subject to change.

R-2829A

| RFQ Advertisement | February 1, 2023 |
|--|--------------------------|
| Statement of Qualifications due from Design-Build Teams | February 28, 2023 |
| Department Announces Short-listed Teams | March 16, 2023 |
| Department Issues Industry Draft RFP to Short-listed Teams | March 16, 2023 |
| First Meeting with Short-listed Teams | April 4, 2023 |
| Department Holds Statement of Qualifications Debriefs | Week of April 17, 2023 |
| Department Issues Second Industry Draft RFP to Short-listed Teams | April 18, 2023 |
| Second Meeting with Short-listed Teams | May 2, 2023 |
| Department Issues Final RFP to Short-listed Teams | May 16, 2023 |
| Technical Proposals and Fuel Usage Factor Chart / Estimate of Quantities Due | August 24, 2023 |
| Sealed Price Proposals Due | September 12, 2023 |
| Technical Presentations by Short-listed Teams | September 13, 2023 |
| Open Price Proposals | September 19, 2023 |
| Department Holds Technical Proposal Debriefs (Pending Contract Execution) | Week of October 23, 2023 |



Procurement Information

Procurement Information

- Roles & Responsibilities
- Request for Qualifications (RFQ), Statement of Qualifications (SOQ), and Shortlisting
- Provided Materials
- Request for Proposals (RFP) and Design-Build Proposals
- Contract Award and Finance





Roles & Responsibilities - NCTA

- Overall Program Administration
 - Contract Procurement
 - Administration of Construction Contract
- Evaluation Facilitator
- Alternative Technical Concepts (ATC) Review
- Design Reviews





Roles & Responsibilities – Others

- NCDOT
 - Procurement Support
 - ATC Review Support
 - Design Review Support As Needed
 - Construction Support As Needed
- Private Engineering Firms
 - Procurement Support
 - ATC and Design Review Support





RFQ, Shortlisting, Quality Credit and Stipend

| | R-2829B | R-2829A |
|----------------------------------|---------------------------|------------------------|
| Advertisement | November 15, 2022 | February 1, 2023 |
| SOQ Due Date | December 20, 2022 | February 28, 2023 |
| NCTA Announces Shortlisted Teams | January 18, 2023 | March 16, 2023 |
| SOQ Debriefs | Week of February 20, 2023 | Week of April 17, 2023 |
| Quality Credit | 20% | 20% |

Technical Review Committee will shortlist 2-5 teams

All dates are subject to change



Request for Qualifications

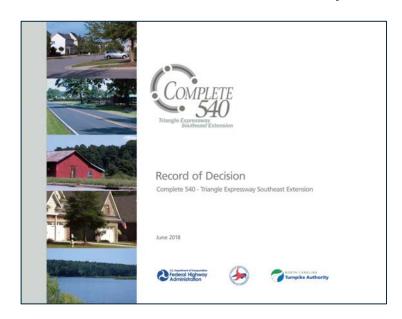
- Nearly identical to NCDOT pursuits
 - Request RFQ package
 - RFQ Holder List will be maintained
 - Preconstruction Firm Restrictions and Exceptions
 - Prequalification Requirements
 - Evaluation Criteria
 - Submit Statement of Qualifications on time with close attention to page limits and RFQ requirements
- Financial Qualifications and Surety Letter
- Anticipated scopes of work noted in RFQ and the Project Synopsis to be on website
- AET and ITS components for tolling operations are not part of these contracts
- CEI performed by NCTA or its agent(s)





Provided Materials

- All environmental documents are online at the Complete 540 General Project website noted at end of presentation
- Other materials will be provided to shortlisted teams through a secure web portal
- Materials to include preliminary design files, geotechnical inventory, surveys, etc.







Request for Proposals and Design-Build Proposals

- Nearly identical to NCDOT pursuits
 - ATCs (will be limited)
 - Industry Draft RFPs (2) followed by one-on-one meetings
 - Additional one-on-one meetings TBD
 - Evaluation criteria and adjusted price
 - Pavement designs will be specified, including alternate types for the mainline
 - Anticipate a split submittal, Technical Proposal then Price Proposal





Contract Award and Finance

- Anticipated combination of TIFIA, GARVEE, STIP and Toll Revenue Bonds to fund the project
- Advanced funding for preconstruction portions of contracts
- Limited Notice to Proceed
- Unlimited Notice to Proceed upon financial close
- Extended bid validity periods likely with potential escalation provisions for unanticipated delays in Unlimited Notice to Proceed





Contract Administration

Contract Administration

- As the Construction Contract Administrator, NCTA will be responsible for approval of all contract adjustments
- Consultant (CEI) Resident Engineering Team(s) will be utilized

 NCTA will have the option to award two project specific teams or one consultant team that demonstrates the ability to administer both

projects



Notable Design-Build RFP Provisions

Cost-Loaded Critical Path Method Project Schedule

- Provision will look similar to the provisions included in the Complete 540 Phase 1 contracts
- NCTA will collaborate with the Design-Build Unit after hearing comments from, and partnering with, the CAGC
- Goal is to have a single CPM provision for both NCDOT Design-Build projects and NCTA Design-Build projects





Erosion and Sediment Control

- Discussions ongoing to improve the current process
 - NCTA
 - Design-Build Unit
 - Roadside Environmental Unit
 - Central Construction Unit
 - CAGC
- Likely modifications to Complete 540 Phase 1 Scopes of Work









Right of Way

 Asbestos inspections and abatements have traditionally been handled through the local Divisions

On Complete 540 Phase 2, the inspections and abatements will be coordinated

through NCTA



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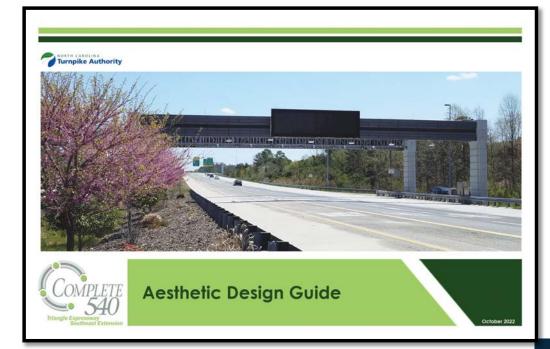


Aesthetics

 Complete 540 Phase 2 will continue the emphasis on aesthetics throughout the project corridor

NCTA has made minor revisions to the Aesthetic Design Guide (ADG) that was utilized

for construction of Complete 540 Phase 1





Public Involvement and Information

- NCTA is using a different approach from other design-build projects
- NCTA and NCDOT will take the lead role in public involvement and information
- The Design-Build Team will support NCTA's efforts with information, supplementary maps, project images, and videos.



ncdot.gov/complete540 complete540@ncdot.gov 1-800-554-7849





Right of Way, Utilities and Long Lead-Time Items

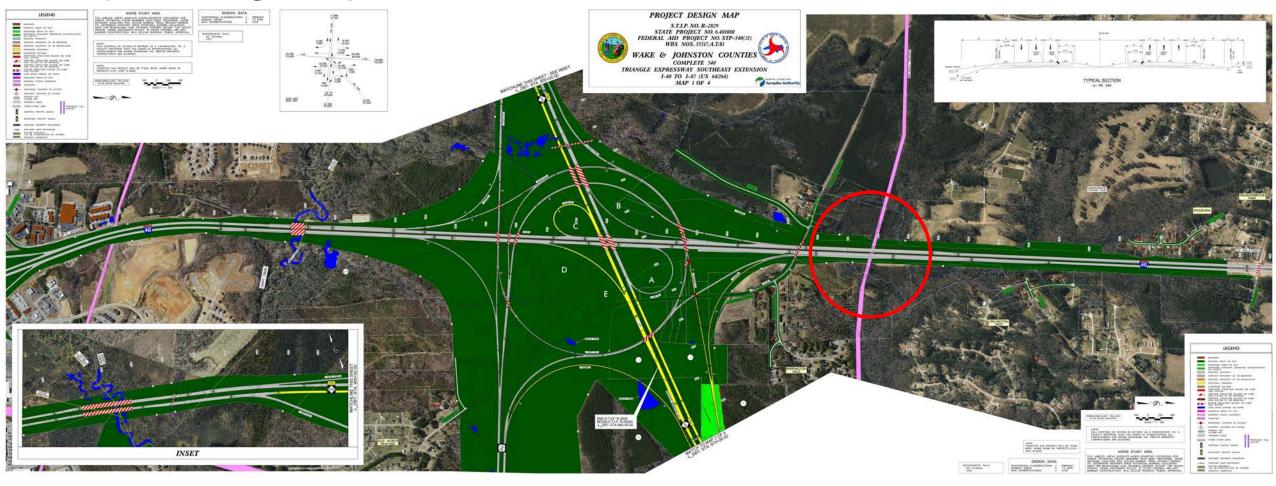
Right of Way

| | R-2829A | R-2829B | Total Parcels |
|----------------------|---------|---------|---------------|
| Numbered Parcels | 109 | 107 | 216 |
| No Taking/Not Used | 16 | 15 | 31 |
| NCDOT Owned | 5 | 7 | 12 |
| | | | |
| Parcels to Acquire | 88 | 85 | 173 |
| | | | |
| | R-2829A | R-2829B | Total Parcels |
| Parcels to Acquire | 88 | 85 | 173 |
| Advanced Acquisition | 15 | 7 | 22 |
| | | | |
| DB Team to Acquire | 73 | 78 | 151 |

| 1 | Project | Parcel | Owner | Address | Pin Number(s) | Notes |
|-----|---------|----------------------|----------------------|-------------------------|------------------------------------|------------------------|
| 1 | | | | 0 White Oak Road | | |
| | R-2829A | 3 | John Aman | 0 Win Road | 1639403337, 1639406556, 1638395835 | |
| | | | | 0 Alonzo Rd | | |
| Π | D 20204 | _ | Ft Dt-II O | 9020 White Oak Road | 4000554000 | Foster Lake and Pond |
| | R-2829A | 5 | Foster Park LLC | Garner, NC 27529 | 1639551063 | Management |
| 1 | D 20204 | 12 | O | 5129 TV Tower Road | 4700700700 | |
| | R-2829A | 12 | Capitol Broadcasting | Garner, NC 27529 | 1730702709 | WRAL TV Tower Ancho |
| 1 | R-2829A | 4.0 | 13 Rogers | 2212 US 70 BUS | 470070007 | American Metal and |
| | | 13 | | Garner, NC 27529 | 1730732237 | Salvage |
| 1 | D 20204 | 4.4 | , | 2149 US 70 BUS | 1700711100 1700711110 | |
| | R-2829A | 14 | Lee | Garner, NC 27529 | 1730744480, 1730744118 | Lee's Collision |
| 1 | D 20204 | 4.5 | 15 L&L Company | 4839 Green Garden Road | 4720042622 | |
| | R-2829A | 15 | | Garner, NC 27529 | 1730842632 | Owner Request |
| 1 | | | | 2708 E Garner Road | | Owner Request |
| | R-2829A | 19 | Zapata | Raleigh, NC 27610 | 1730851856 | Closed |
| 1 | | | | 9220 White Oak Road | | |
| | R-2829A | A 1000 | Burnette | Garner, NC 27529 | 1639421182, 1639432607 | Inverse |
| 1 | D 00004 | 4004 | D " | 9220 White Oak Road | 400040007 | |
| | R-2829A | 1001 | Burnette | Garner, NC 27529 | 1639432607 | Inverse |
| 1 | R-2829A | 4000 | Burnette | 9129 White Oak Road | 4000047040 | |
| | | 1002 | | Garner, NC 27529 | 1639647216 | |
| 1 | R-2829A | 1003 | Burnette | 0 White Oak Road | 1639568195 | |
| | K-2029A | 1003 | burnette | Garner, NC 27529 | 1039308193 | |
| I | R-2829A | 1004 | Burnette | 5001 Raynor Road | 1730445309 | |
| | N-2023A | 1004 | Durnette | Garner, NC 27529 | 1730443309 | |
| | R-2829A | 2302 | Smith | 8812 White Oak Road | 1620262222 1620261265 | Owner Request - Settle |
| | K-2029A | 2302 | Smin | Garner, NC 27529 | 1639363232, 1639361265 | (Vacate 1/31/23) |
| 1 | D 20204 | 2242 | Б : 1 | 8833 White Oak Road | 400000000 400000000 | Owner Request - AAR |
| | R-2829A | 2312 | Parrish | Garner, NC 27529 | 1639368300, 1639369295 | Review 11-17-2022 |
| 1 | | | | 0 US 70 HWY BUS | | Greenfield Housing |
| | R-2829A | Buffaloe Enterprises | Garner, NC 27529 | 1730647566 | Center | |
| 1 | R-2829B | 30 | Burnette Farms | 0 Rock Quarry Road | 1731706353 | FAA Tower |
| - † | | | | 8020 Battle Bridge Road | | Condemned |
| | R-2829B | R-2829B 37 | Mactriano | Raleigh, NC 27610 | 1741347561 | October 2022 |
| - | | | Linda T. Paul & Mary | 7312 Poole Road | | |
| | R-2829B | 52 | McDonald | Raleigh, NC 27610 | 1742493345 | Alan's Towing |
| + | | | | 7417 Poole Road | | |
| | R-2829B | 53 | Raleigh Rugby Club | Raleigh, NC 27610 | 1743503468 | Cell Tower |
| - 1 | | | | | 1743417599 | Community Water & |
| | R-2829B | 57 | Knightdale Estates | 0 Hodge Road | | Sewer Systems |
| - † | | | | 7601 Poole Road | | Sewer Systems |
| | R-2829B | 3007 | Robbins | Raleigh, NC 27610 | 1743509445 | Owner Request |
| | | | | 0 Poole Road | | |
| | R-2829B | 3012 | Unknown | | 1742792656 | Poole Road Cemetery |
| | 20250 | 3012 | Officiowif | Raleigh, NC 27610 | 1742792030 | . Sole Road Cometer |

Advanced Acquisitions

Project Design Map 1





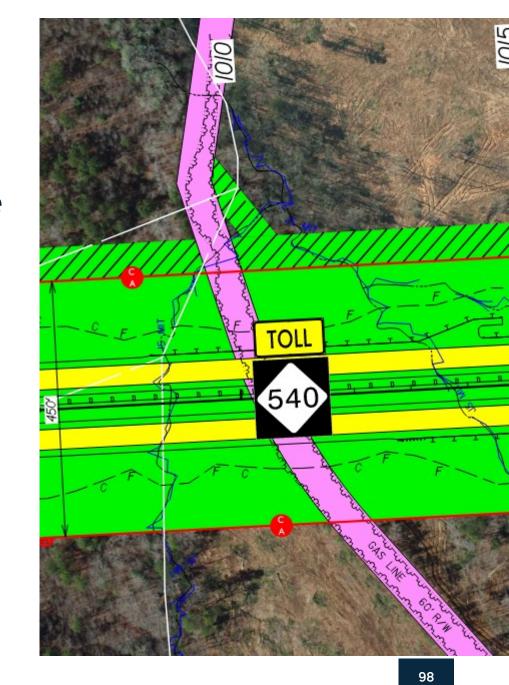
Cardinal Pipeline Crossing

- Coordination efforts are underway with Cardinal concerning their existing gas pipeline facility and the need for relocation at NC 540
- This is relocation by others

urnpike Authority

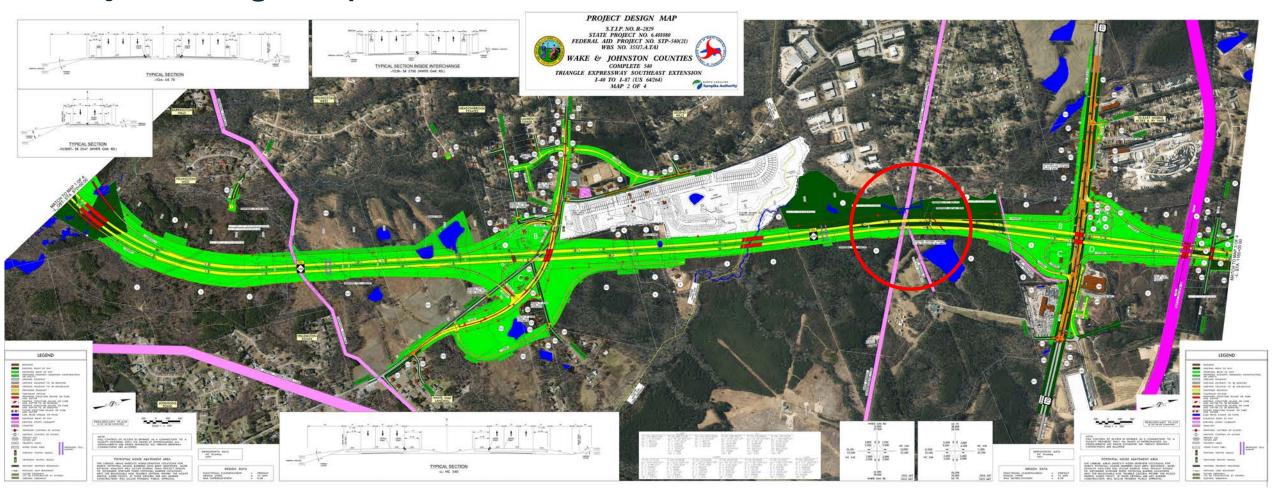
- NCTA and NCDOT Utilities Unit handling coordination and relocation
- Currently on private property south of White Oak Road – Parcels 3 & 1000 ~ Sta 1010+50
- Ongoing coordination is underway
- Continued coordination with Cardinal when hauling over their line







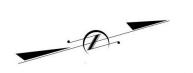
Project Design Map 2





WRAL Tower Anchor and Duke Transmission

- There are two WRAL tower anchors in the project right of way
 - Existing anchor is being relocated out of the project area
 - Existing anchor relocation coordination is underway by NCTA
- Duke Transmission crosses the alignment just south of the tower anchors
 - Coordination is underway by NCTA and NCDOT Utilities Unit
- Mainline alignment parallels creek and wetland system in Swift Creek watershed











WRAL Tower Anchor Relocation - R-2829A

- Currently on Capital Broadcasting Company property south of US 70 Business – Parcel 12 ~ Sta 1112+00
- Anchor relocating about 100 feet to the east
- All work for this relocation is by others
- Ongoing coordination is underway relocation anticipated October 2023
 - TIMELINE IS BASED ON MATERIAL AVAILABILITY





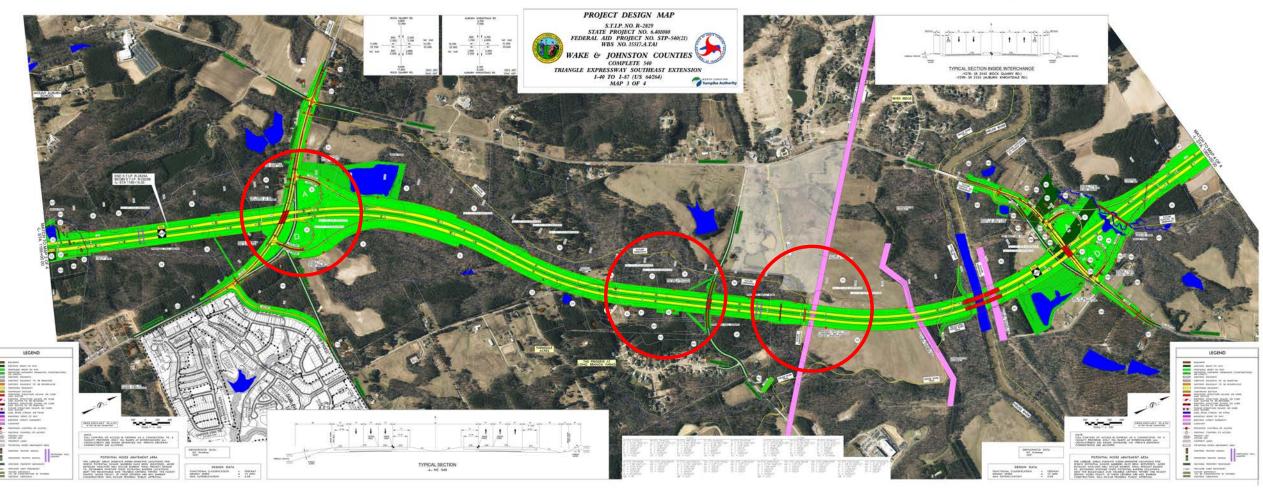
Duke Transmission - R-2829B and R-2829A

- Four existing transmission line crossings three on R-2829B and one on R-2829A
- R-2829B (approximate locations)
 - Sta 1293+00 Parcel 39
 - Sta 1489+00 Parcel 3125 likely no involvement
 - Sta 1510+00 likely no involvement
- R-2829A (approximate location)
 - Sta 1111+00 Parcels 11 & 12
- Ongoing coordination is underway and will be assumed by the Design-Build Team





Project Design Map 3



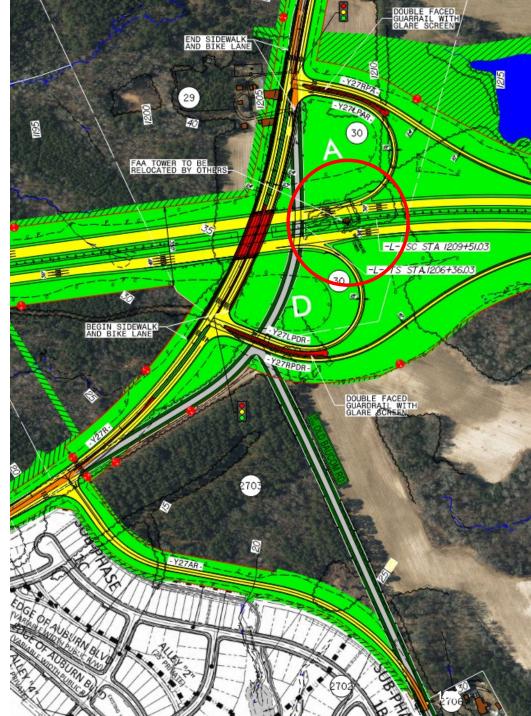


Rock Quarry Road Interchange - FAA Tower Relocation

FAA tower to be relocated – coordination underway







FAA Communications Tower Relocation – R-2829B

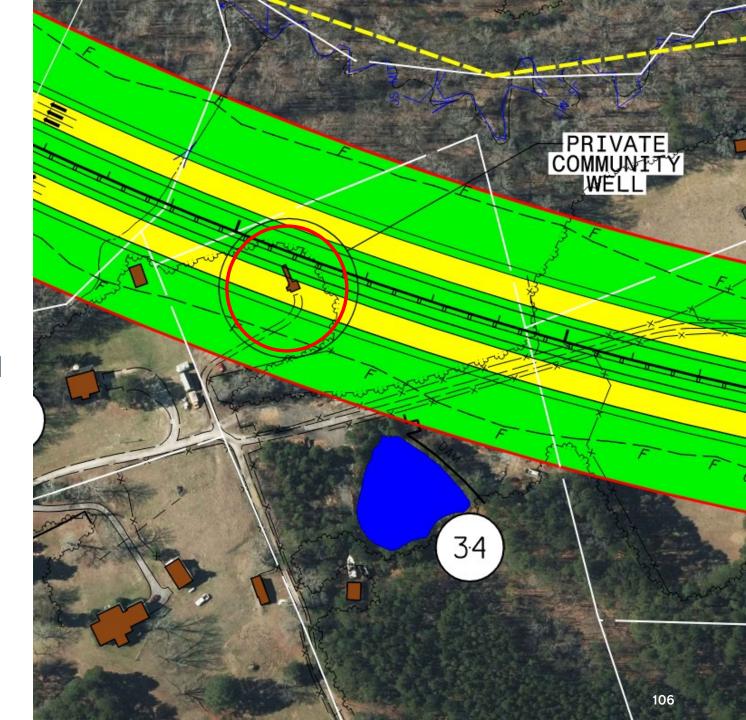
- Currently on private property at Rock Quarry Road Parcel 30 ~ Sta 1208+00
- Tower relocating to property off NC 540
- All work for this relocation is by others
- Ongoing coordination is underway relocation possible prior to project letting





Community Well Site

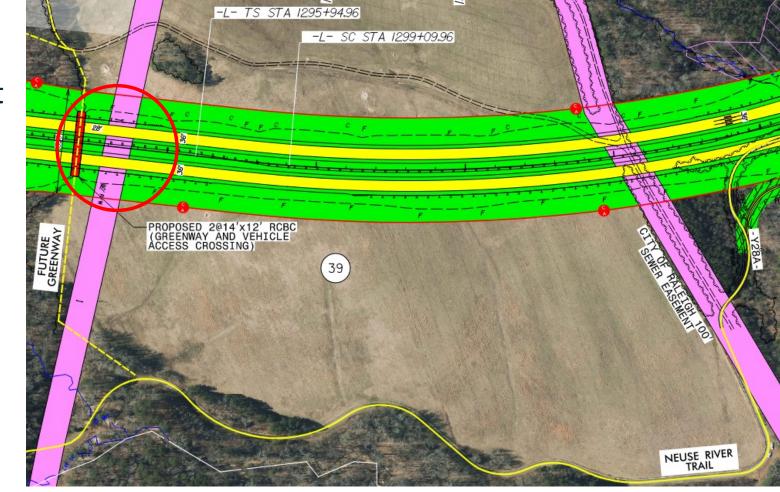
- Community well is owned and operated by Aqua NC
- The well serves the Preserve at Long Branch Farm neighborhood
- Coordination and relocation efforts are underway by NCTA and NCDOT Utilities Unit





Randleigh Farm

 Duke Transmission crossing coordination is underway by NCTA and NCDOT Utilities Unit

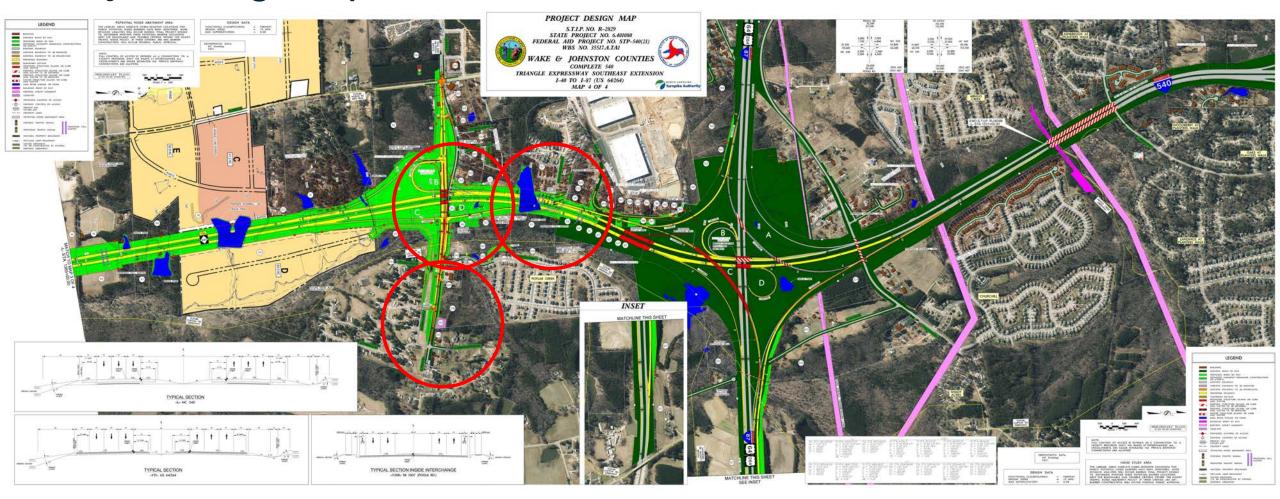






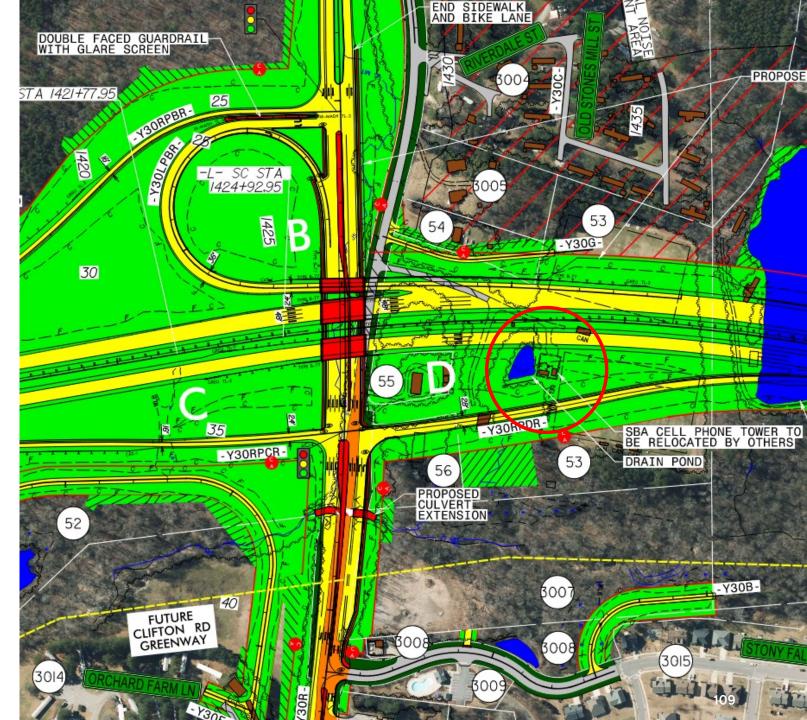


Project Design Map 4





Poole Road Interchange







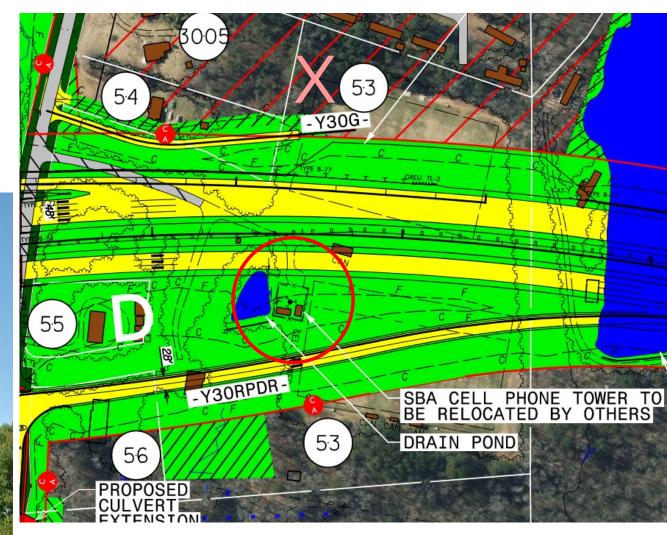
SBA Cell Tower and Raleigh Rugby Club

- Relocation underway by NCTA for the SBA cell tower
- Negotiations underway by NCTA with the Raleigh Rugby Club for their two pitches









SBA Cell Tower Relocation - R-2829B

- Currently on southeast corner of the Raleigh Rugby Club property
 Parcel 53 ~ Sta 1433+00
- All work for this relocation is by others
- Ongoing coordination is underway



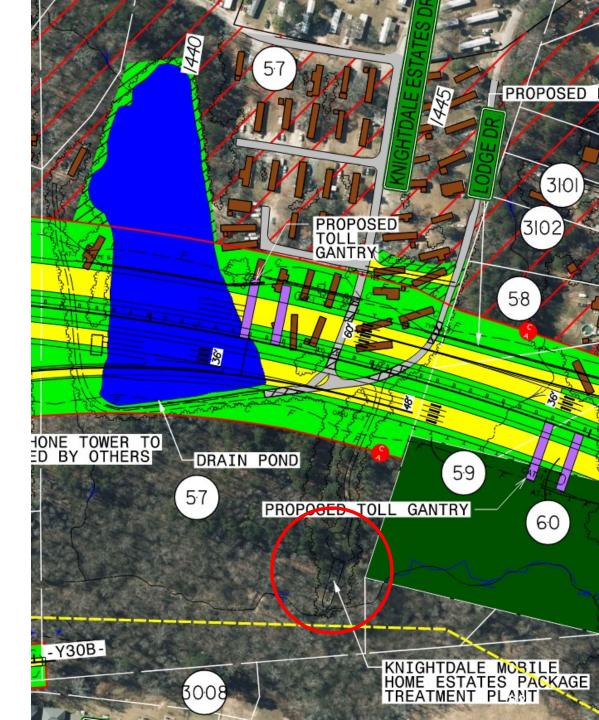


Knightdale Estates Wastewater Treatment Plant

- NC 540 separates the Knightdale Estates Mobile Home Park from the existing wastewater package treatment plant along the creek.
- Coordination is underway with the property owners to address the treatment plant.
- Large pond to be drained.







Cemetery along Poole Road

- Grave sites within project limits
- Grave relocation anticipated on cemetery property
- Coordination efforts are underway by NCTA









Project Information and Contacts

Procurement Websites

https://connect.ncdot.gov/letting/Pages/Design-Build-Letting-Details.aspx?let_id=R-2829B

https://connect.ncdot.gov/letting/Pages/Design-Build-Letting-Details.aspx?let_id=R-2829A

General Project Website

www.ncdot.gov/complete540

Request the RFQ on or after Ad Date:

rfq_package_request@ncdot.gov

Questions:

NCTAdesignbuild@ncdot.gov



Open Discussion

Thank you!