

Optional Industry Forum

- Informal
- Procurement Process
- General Information
- Timeline
- Scope of Work
- Question & Answer
- Attendance Not Mandatory

Design-Build Contract

Two-Step Process

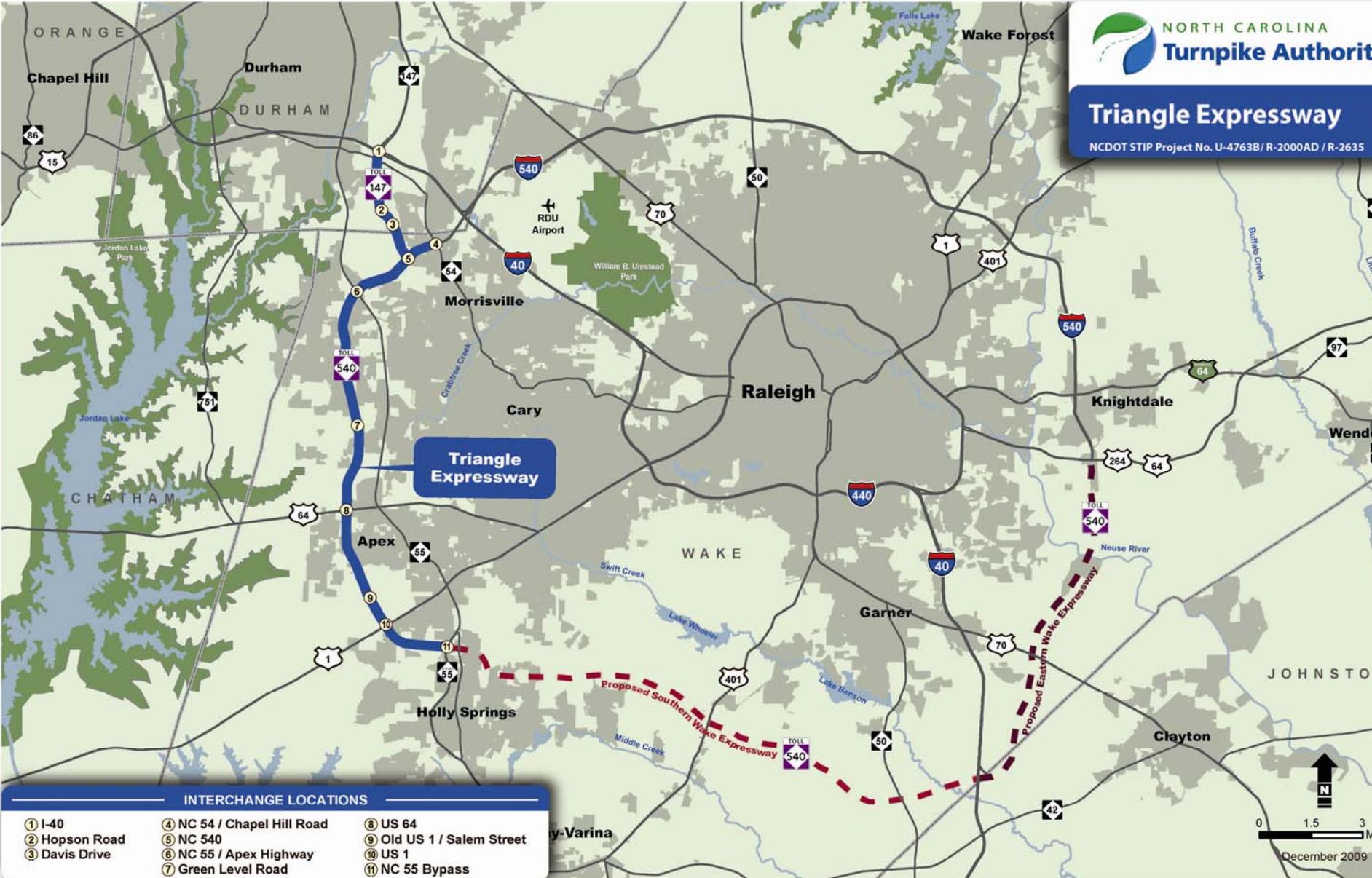
1. Ad for Statement of Qualification
Submit Statement of Qualification
NCDOT "Short-list" Proposers (3-5)
2. Issue Request for Proposals
Submit Technical & Price Proposals
Evaluate Technical Proposals
Oral Interviews & Score Proposers
Open Price Proposal
Calculate Best Value

Triangle Expressway Design-Build Landscape Contract

- First NCDOT DB Landscape Contract
- Largest NCDOT Landscape Contract
- First NCDOT Toll Road

Triangle Expressway

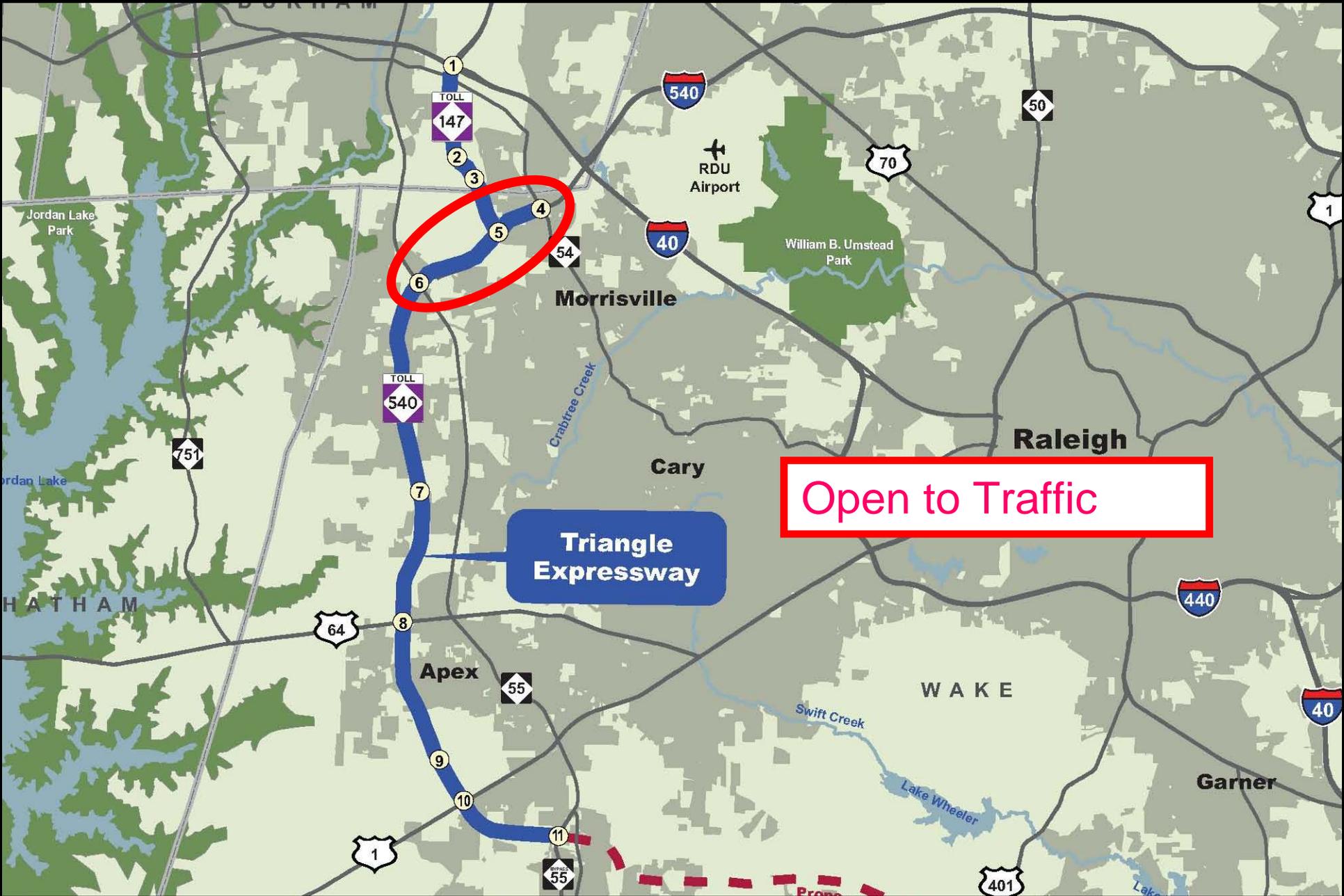
NCDOT STIP Project No. U-4763B/ R-2000AD / R-2635



Triangle Expressway

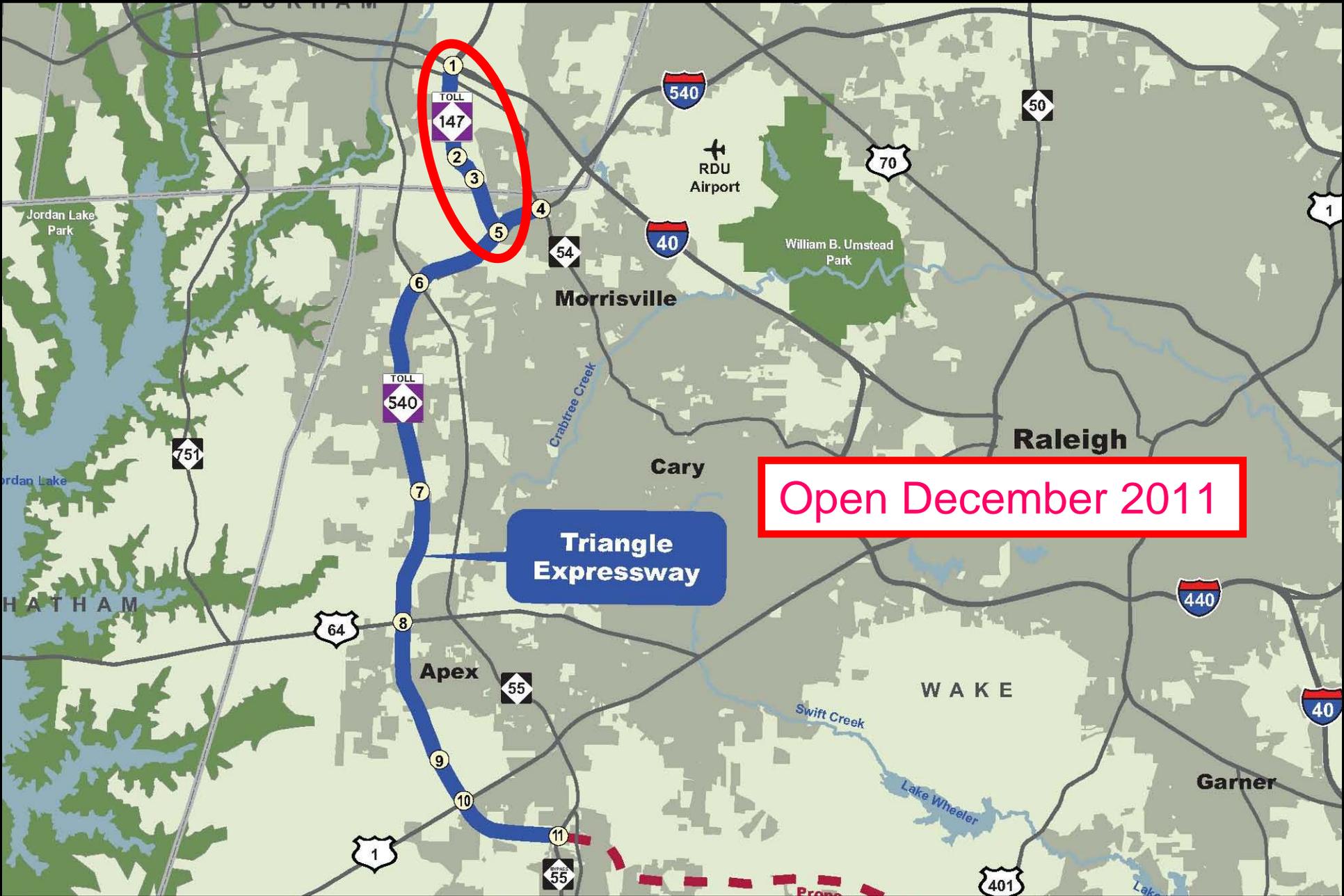
INTERCHANGE LOCATIONS

- | | | |
|---------------|----------------------------|---------------------------|
| ① I-40 | ④ NC 54 / Chapel Hill Road | ⑧ US 64 |
| ② Hopson Road | ⑤ NC 540 | ⑨ Old US 1 / Salem Street |
| ③ Davis Drive | ⑥ NC 55 / Apex Highway | ⑩ US 1 |
| | ⑦ Green Level Road | ⑪ NC 55 Bypass |



Open to Traffic

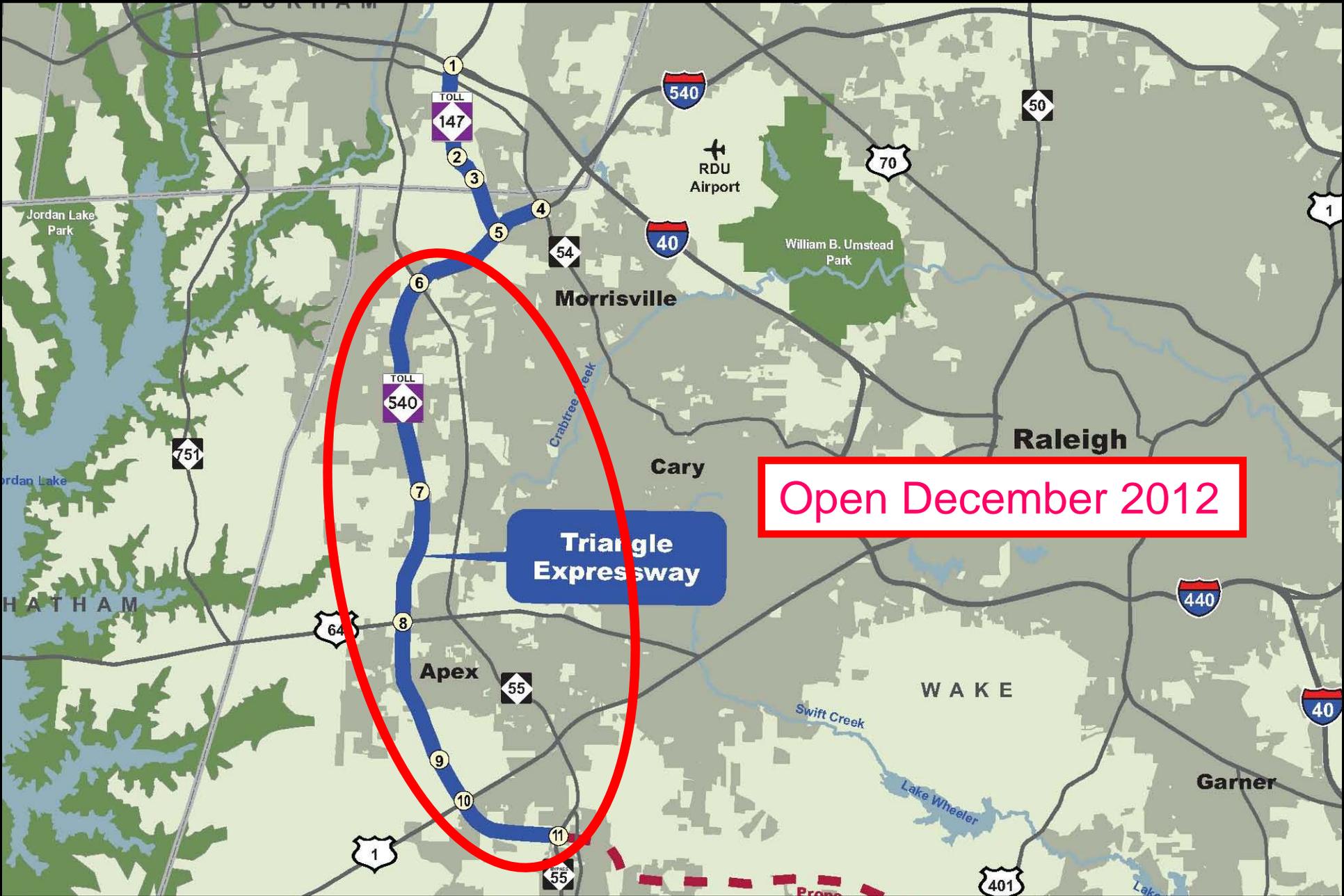
Triangle Expressway



Triangle Expressway

Open December 2011





Triangle Expressway

Open December 2012

1
TOLL
147

2

3

4

5

54

6

TOLL
540

7

8

9

10

11

55

540

RDU
Airport

40

50

70

Morrisville

William B. Umstead
Park

Raleigh

Cary

440

WAKE

Swift Creek

Lake Wheeler

Garner

40

401

Jordan Lake
Park

Jordan Lake

HATHAM

64

Crabtree Creek

Apex

55

1

Proposed

Timeline

R-2635 & U-4763B Timeline for Design-Build Team Procurement

The project includes the design and installation of landscaping of the Triangle Expressway, a controlled-access toll road that includes NC 540 from NC 55 near Apex to NC 54 near RTP and NC 147 from I-40 to NC 540 in Durham and Wake Counties.

Revised November 17, 2010

RFQ Advertisement	November 15, 2010
Optional Industry Forum	December 2, 2010
Statement of Qualifications due from Design Build Teams	January 5, 2011
Department Announces Reduced Candidate List (Teams)	January 12, 2011
Issue Industry Draft Request for Proposals to Teams	January 21, 2011
Meeting with Teams	February 8, 2011
Issue Final RFP to Teams	February 22, 2011
Optional Meeting with Teams	March 1, 2011
Technical Proposals and Sealed Price Proposals Due	April 5, 2011
Technical Presentations by Teams	April 18, 2011
Open Price Proposals	April 19, 2011

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Sealed Package Labeled

Statement of Qualifications and
Financial Qualifications
for Design-Build Services
Triangle Expressway
TIP R-2635 and U-4763B
Contract C202507

2:00 pm January 5, 2010

Mr. Randy Garris, PE
NCDOT State Contract Officer
Contracts Standards and
Development Unit
Century Center – Building B
Entrance B2
1020 Birch Ridge Drive
Raleigh, NC 27610

Additional Meeting (TBD)

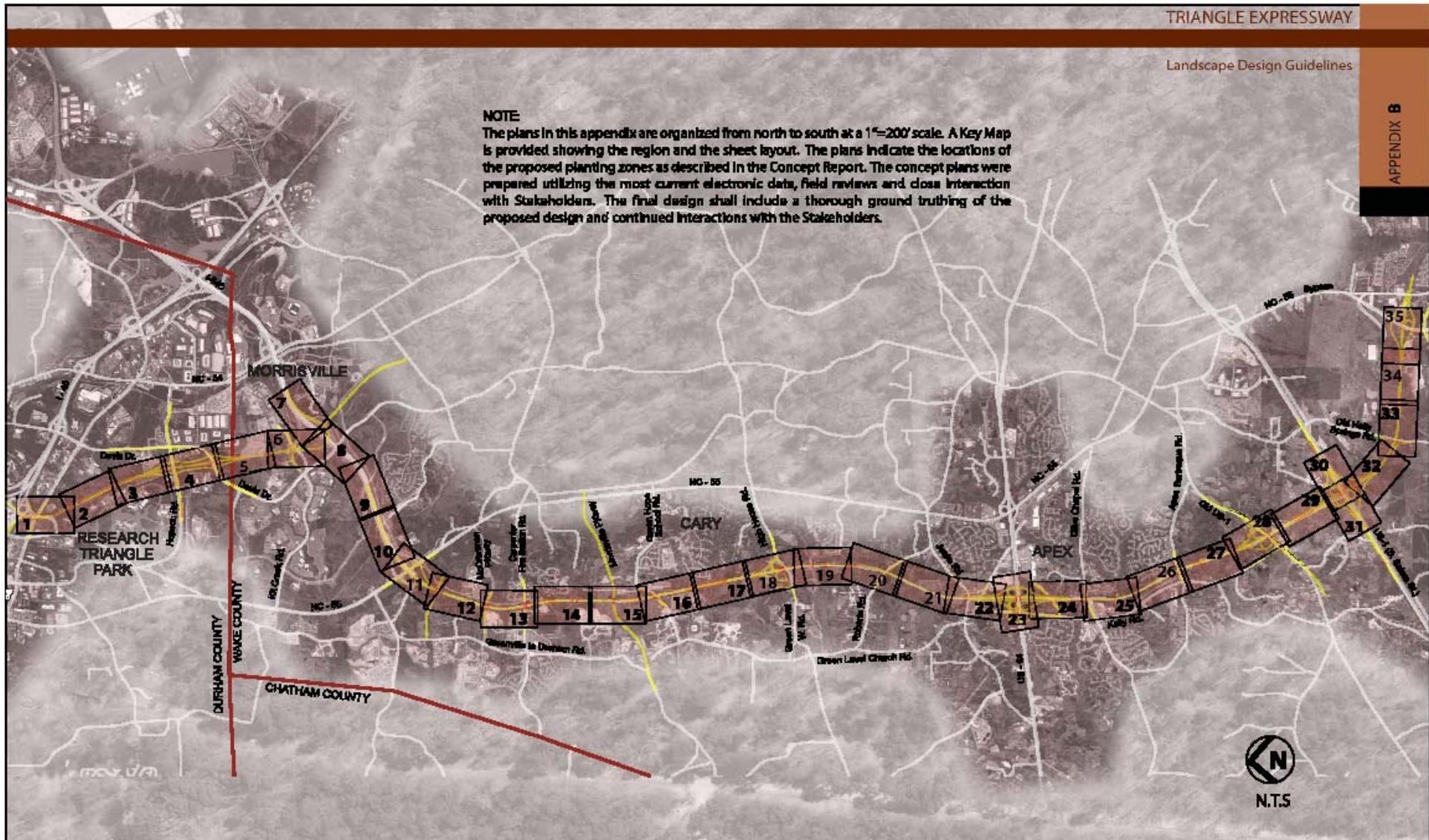
- 10% DBE Goal
- Disadvantaged Business Enterprise (DBE) Utilization
- DBE & Prime Contractor Outreach

Proposals

- Design Firms Licensed in NC
- Prime Contractor (Individually)
Prequalified
- JV, Partnership, or LLC Prequalified

NOTE

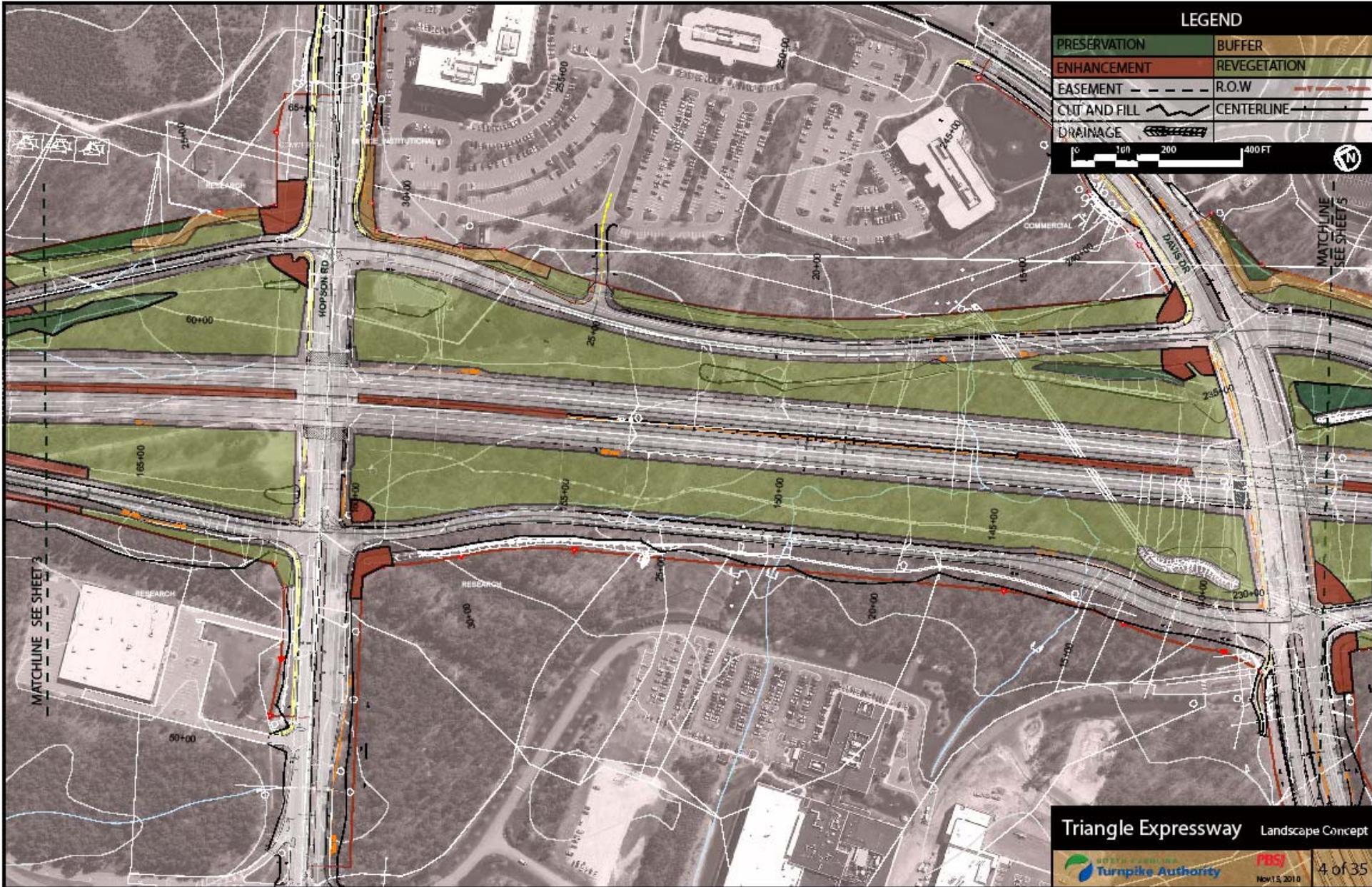
The plans in this appendix are organized from north to south at a 1"=200' scale. A Key Map is provided showing the region and the sheet layout. The plans indicate the locations of the proposed planting zones as described in the Concept Report. The concept plans were prepared utilizing the most current electronic data, field reviews and close interaction with Stakeholders. The final design shall include a thorough ground truthing of the proposed design and continued interactions with the Stakeholders.





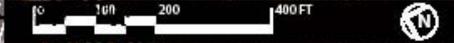
LEGEND

PRESERVATION	BUFFER
ENHANCEMENT	REVEGETATION
EASEMENT	R.O.W.
CUT AND FILL	CENTERLINE
DRAINAGE	



LEGEND

PRESERVATION	BUFFER
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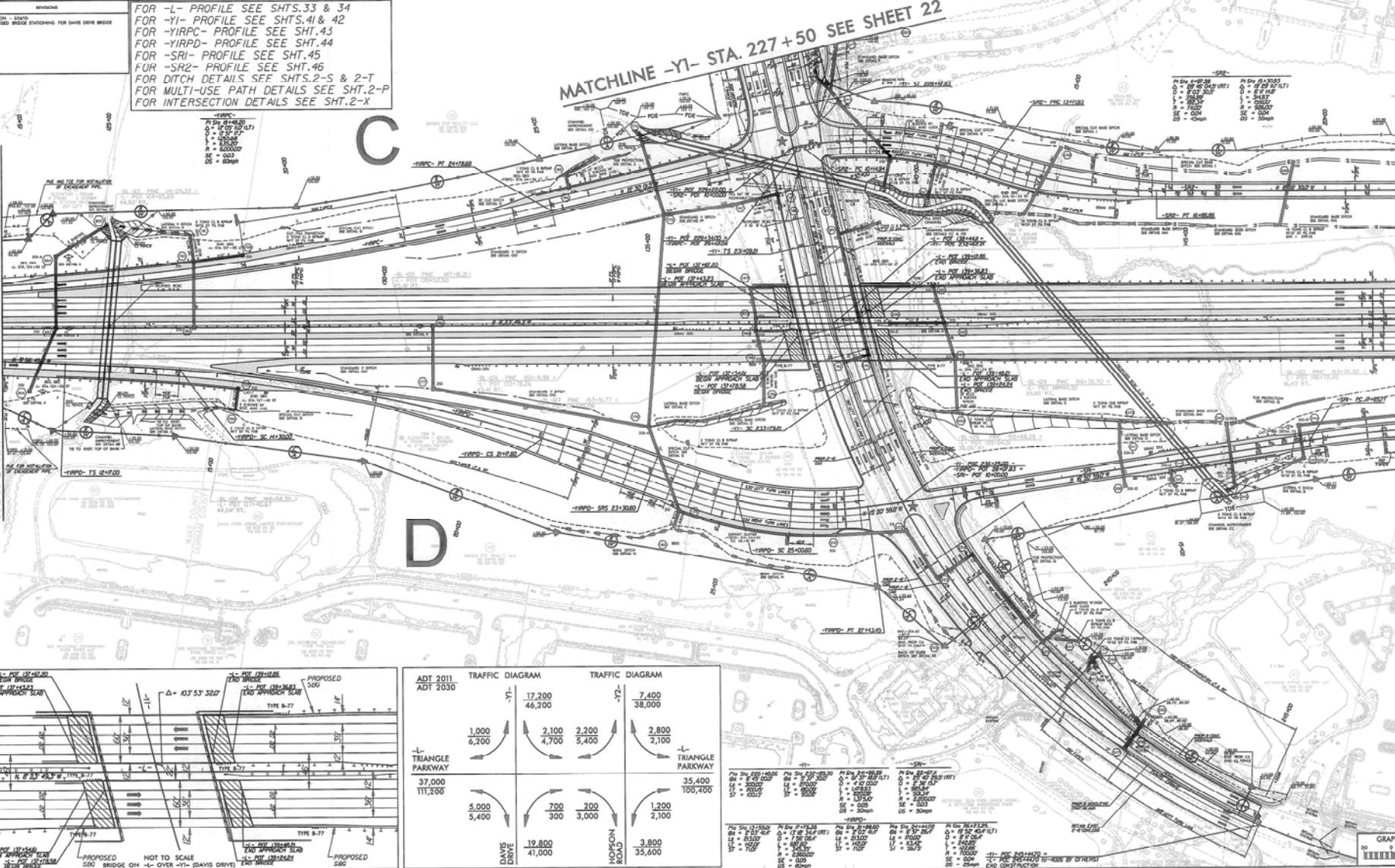


MATCHLINE SEE SHEET 2

MATCHLINE SEE SHEET 5

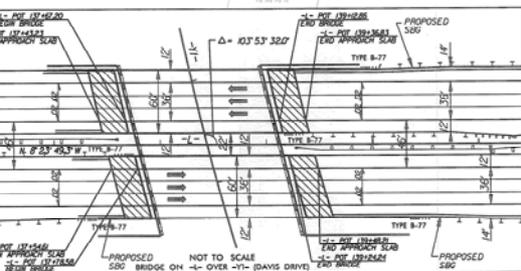
FOR -L- PROFILE SEE SHTS.33 & 34
 FOR -Y1- PROFILE SEE SHTS.41 & 42
 FOR -Y1RPC- PROFILE SEE SHT.43
 FOR -Y1RPD- PROFILE SEE SHT.44
 FOR -SR1- PROFILE SEE SHT.45
 FOR -SR2- PROFILE SEE SHT.46
 FOR DITCH DETAILS SEE SHTS.2-S & 2-T
 FOR MULTI-USE PATH DETAILS SEE SHT.2-P
 FOR INTERSECTION DETAILS SEE SHT.2-X

MATCHLINE -Y1- STA. 227+50 SEE SHEET 22



SR1
 PVI STA 210+00
 G = 2.50%
 L = 100.00'
 E = 2.5000'
 SE = 50.00'
 OS = 50.00'

ADT 2011	TRAFFIC DIAGRAM	TRAFFIC DIAGRAM
ADT 2030	-Y1-	-Y2-
	17,200 46,200	7,400 38,000
	1,000 6,200	2,100 4,700
	2,200 5,400	2,800 2,100
	5,000 5,400	700 300
	200 3,000	200 3,000
	19,800 41,000	3,800 35,600
	TRIANGLE PARKWAY	TRIANGLE PARKWAY
	37,000 111,200	35,400 100,400
	DAVE DRIVE	MORSEON ROAD



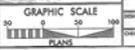
SR1
 PVI STA 210+00
 G = 2.50%
 L = 100.00'
 E = 2.5000'
 SE = 50.00'
 OS = 50.00'

SR2
 PVI STA 210+00
 G = 2.50%
 L = 100.00'
 E = 2.5000'
 SE = 50.00'
 OS = 50.00'

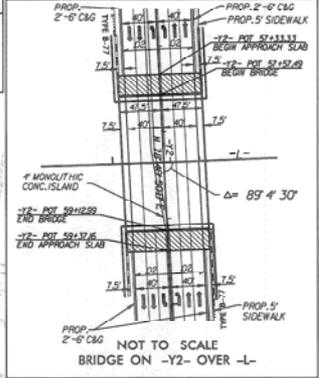
SR3
 PVI STA 210+00
 G = 2.50%
 L = 100.00'
 E = 2.5000'
 SE = 50.00'
 OS = 50.00'

SR4
 PVI STA 210+00
 G = 2.50%
 L = 100.00'
 E = 2.5000'
 SE = 50.00'
 OS = 50.00'

MATCHLINE -L- STA. 149+00 SEE SHEET 7



MATCHLINE -Y2- STA. 50+00 SEE SHEET 24

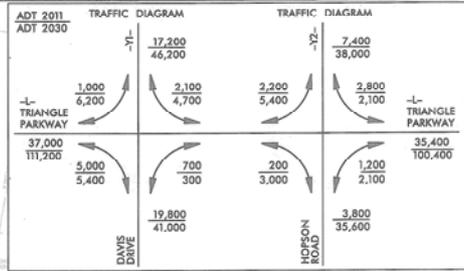


PROPOSED KEYSTONE SITE PLAN

SEE ORT PLANS FOR TOLL PLAZA DETAILS

FOR -L- PROFILE SEE SHTS. 34 & 35
 FOR -SR1- PROFILE SEE SHT. 45
 FOR -Y2- PROFILE SEE SHT. 48
 FOR -Y2RPA- PROFILE SEE SHT. 50
 FOR -Y2RPB- PROFILE SEE SHT. 51
 FOR DITCH DETAILS SEE SHTS. 2-S & 2-T
 FOR INTERSECTION DETAILS SEE SHT. 2-Y

MATCHLINE -Y2- STA. 65+00 SEE SHEET 25



DESIGN OF TOLL PLAZA & DRAINAGE INCOMPLETE
 DO NOT CONSTRUCT FINAL GRADING, PAVING, &
 DRAINAGE FROM -Y2RPA- STA. 17+00 TO 21+00

DESIGN OF TOLL PLAZA & DRAINAGE INCOMPLETE
 DO NOT CONSTRUCT FINAL GRADING, PAVING, &
 DRAINAGE FROM -Y2RPA- STA. 15+50 TO 20+00

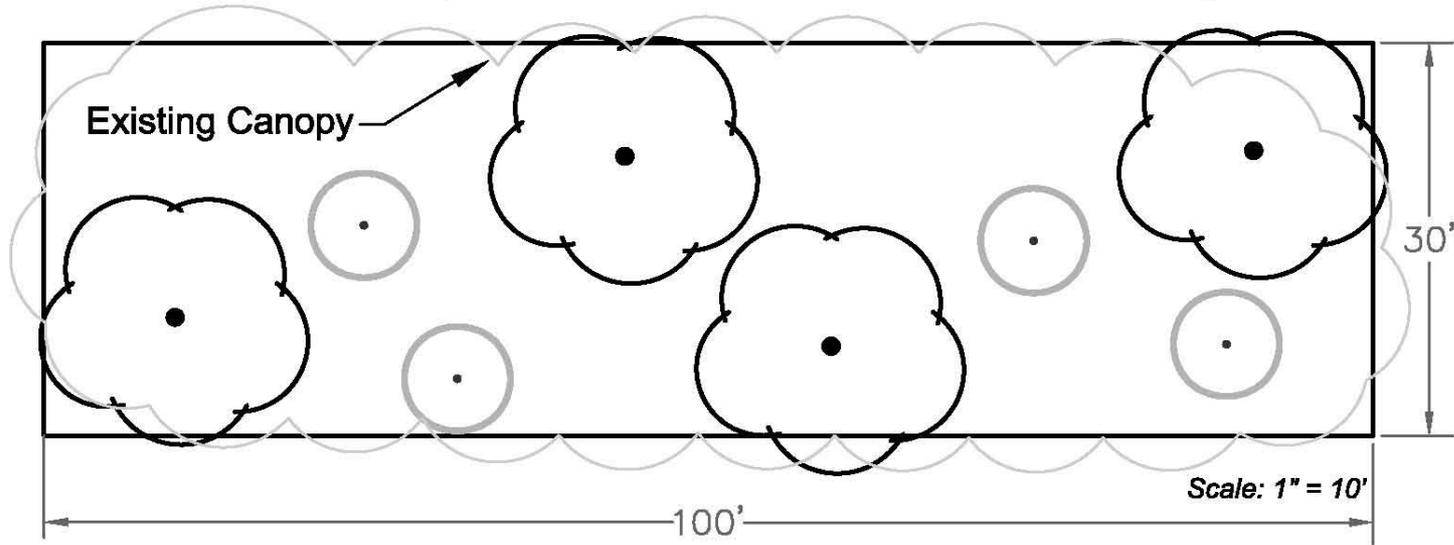
-L-		-SR1-		-Y2-		-Y2RPA-		-Y2RPB-	
Pi Sta 47+775.41	Pi Sta 48+000.00								
Δ = 1.00' 0.00'									
L = 100.00'									
I = 0.00%									
SE = 0.03'									
OS = 50mph									

★ PROPOSED SIGN



PLANS PREPARED BY
RK K
 REGISTERED PROFESSIONAL ENGINEER
 IN THE STATE OF NORTH CAROLINA
 NO. 14288
 FOR
 THE NORTH CAROLINA
 TURNPIKE AUTHORITY

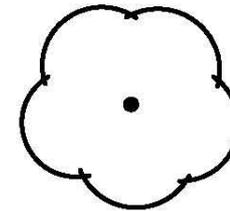
PRESERVATION (CANOPY ENHANCEMENT) PLAN - TYP.



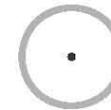
Plant Palette

<i>Scientific Name</i>	<i>Common Name</i>	<i>Size</i>
TREES - Understory		
<i>Amelanchier arborea</i>	Downy Serviceberry	B&B or 3 gal. equivalent
<i>Cercis canadensis</i>	Eastern Redbud	B&B or 3 gal. equivalent
<i>Cornus florida</i>	Flowering Dogwood	B&B or 3 gal. equivalent
<i>Crataegus viridis</i>	Green Hawthorn	B&B or 3 gal. equivalent
<i>Halesia carolina (tetraptera)</i>	Carolina Silverbell	B&B or 3 gal. equivalent
<i>Magnolia macrophylla</i>	Bigleaf Magnolia	B&B or 3 gal. equivalent
<i>Magnolia tripetala</i>	Umbrella Magnolia	B&B or 3 gal. equivalent
<i>Vaccinium arboreum</i>	Sparkleberry	B&B or 3 gal. equivalent
SHRUBS		
<i>Euonymus americana</i>	Strawberry Bush	1 gal.
<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea	1 gal.
<i>Kalmia latifolia</i>	Mountain Laurel	1 gal.
<i>Rhododendron canescens</i>	Piedmont Azalea	1 gal.

Legend



Understory Trees (Qty. 4)



Shrubs (Qty. 4)

Scope

- Landscape Design
- Landscape Planting
 - Phase 1 – Fall 2011 thru Spring 2012
 - Phase 2 – Fall 2012 thru Spring 2013
- Establishment - To January 2015

Scope

- Construction Administration & Inspection
- Traffic Control
- Coordination (Highway, ITS, Toll)
- Protect Underground Facilities

The image features a blue wireframe globe as a background. The globe is composed of a grid of latitude and longitude lines, with the lines curving to follow the spherical shape. The word "Questions" is centered in the middle of the globe in a bold, blue, sans-serif font. The text has a slight drop shadow, making it stand out against the grid.

Questions