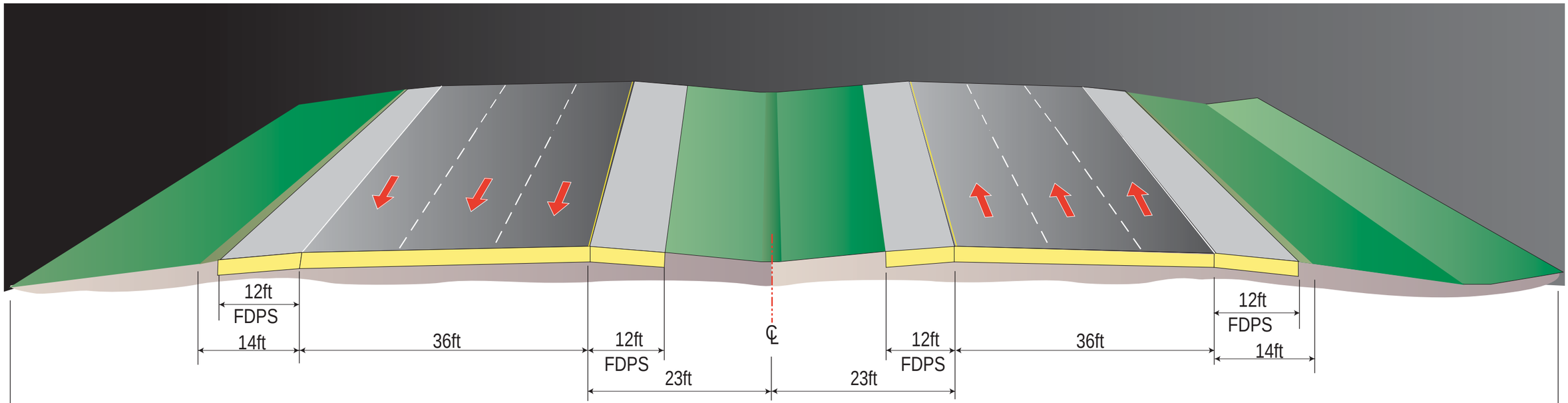


FDPS = full depth paved shoulder

300 ft - Minimum Right-Of-Way

N
W E
S

NOT TO SCALE

TYPICAL SECTION NO.1

MAINLINE

Scenario 5a (New Location 6-lane Highway)

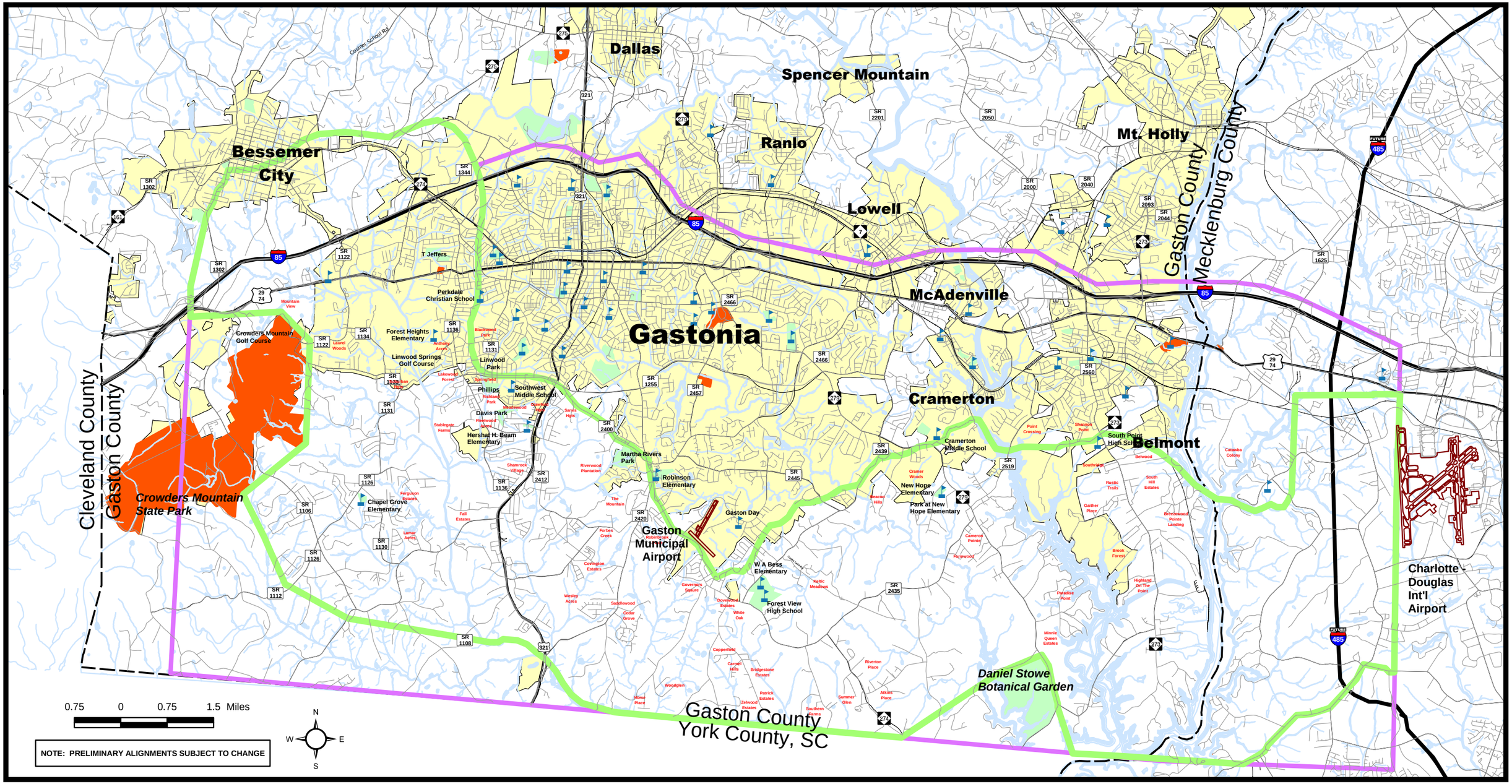
NORTH CAROLINA Turnpike Authority

NEW LOCATION ALTERNATIVE TYPICAL CROSS-SECTION

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

FIGURE 16

typical_rev.ai 7/29/08



NORTH CAROLINA Turnpike Authority

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

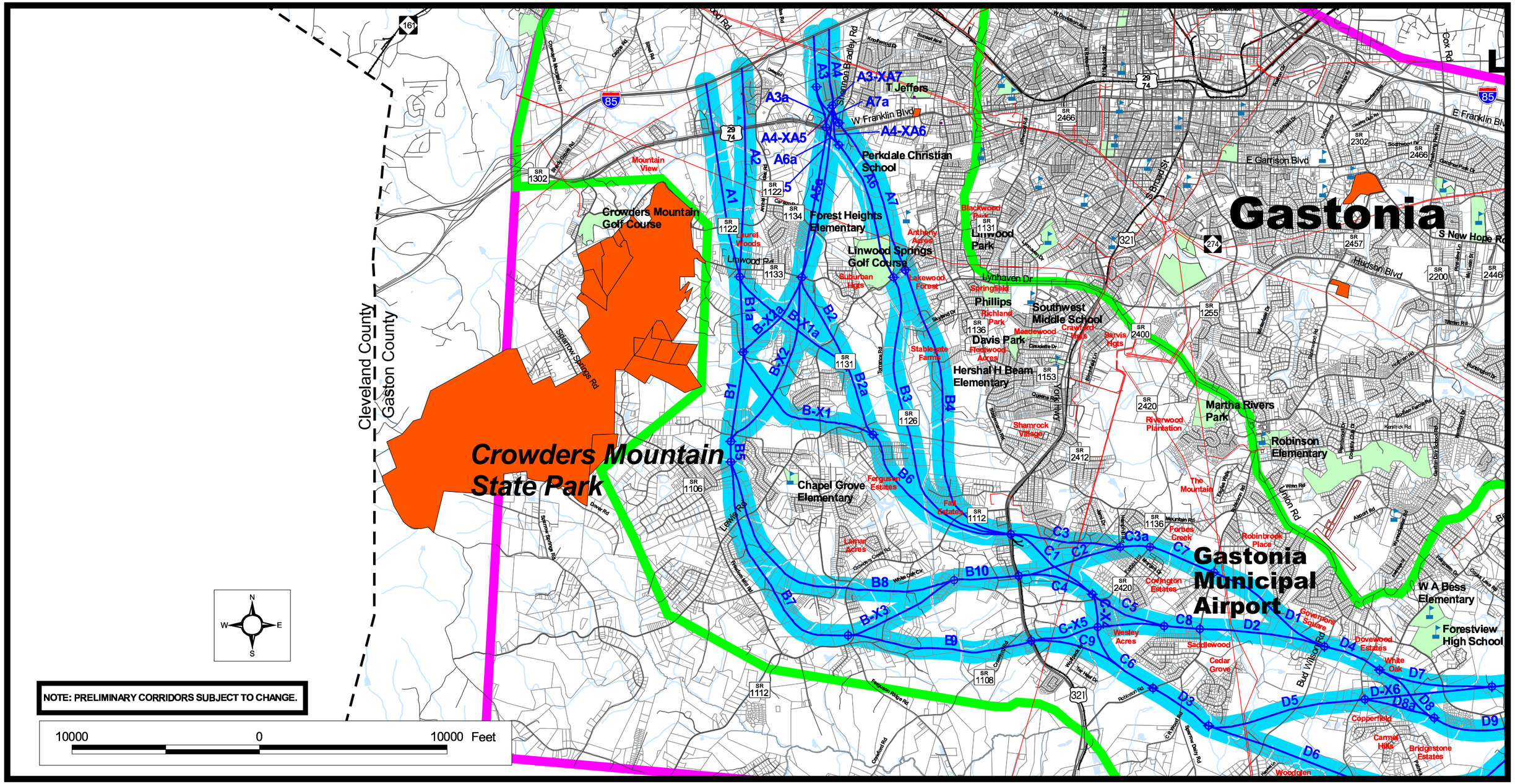
LEGEND

- Refined Study Area Boundary for New Location Alternatives
- Hydrology
- Project U-3321 Study Area Boundary
- Railroads
- US Routes
- Interstates
- Other Roads
- County Lines
- Park/Recreation Areas
- State Complexes
- Lamar Acres — Subdivision Names

REFINED STUDY AREA FOR NEW LOCATION ALTERNATIVES

FIGURE 17

17_Refined_Study_Area2.mxd 11/14/06



NORTH CAROLINA Turnpike Authority

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

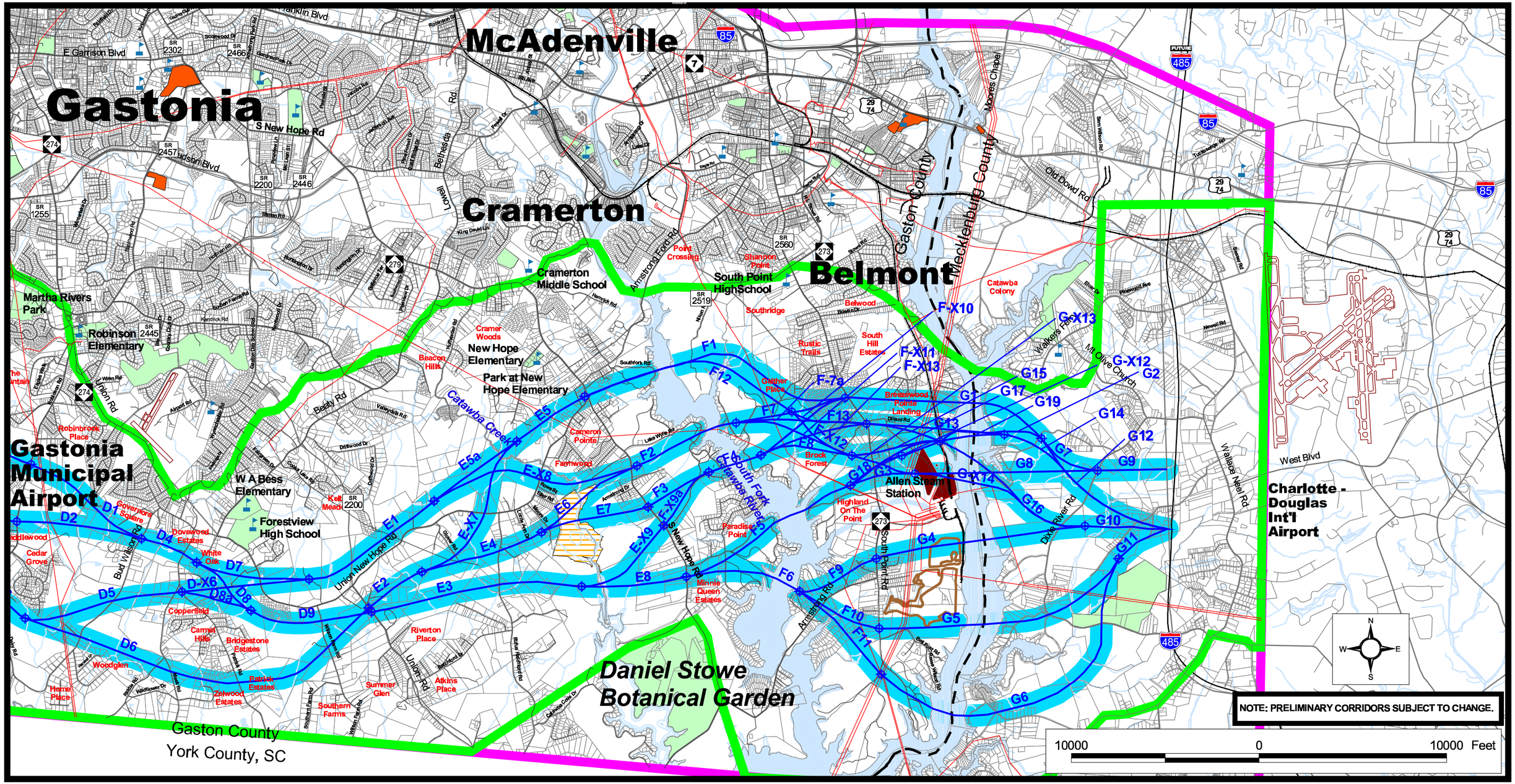
LEGEND

- Segment Breaks
- B6 Segment Identification Numbers
- (1200') Preliminary Corridors For New Location Alternatives
- Refined Study Area Boundary for New Location Alternatives
- Project U-3321 Study Area Boundary
- US Routes
- Interstates
- Thoroughfares
- County Lines
- Property Lines
- Other Roads
- Railroads
- State Complexes
- Park/Recreation Areas
- Transmission Lines
- Hydrology
- Schools
- Lemar Acres Subdivision Name

PRELIMINARY CORRIDOR SEGMENTS

FIGURE 18a

18_prelim_corr_segments_bkwaps_rev.apr (11/3/06)



NORTH CAROLINA Turnpike Authority

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

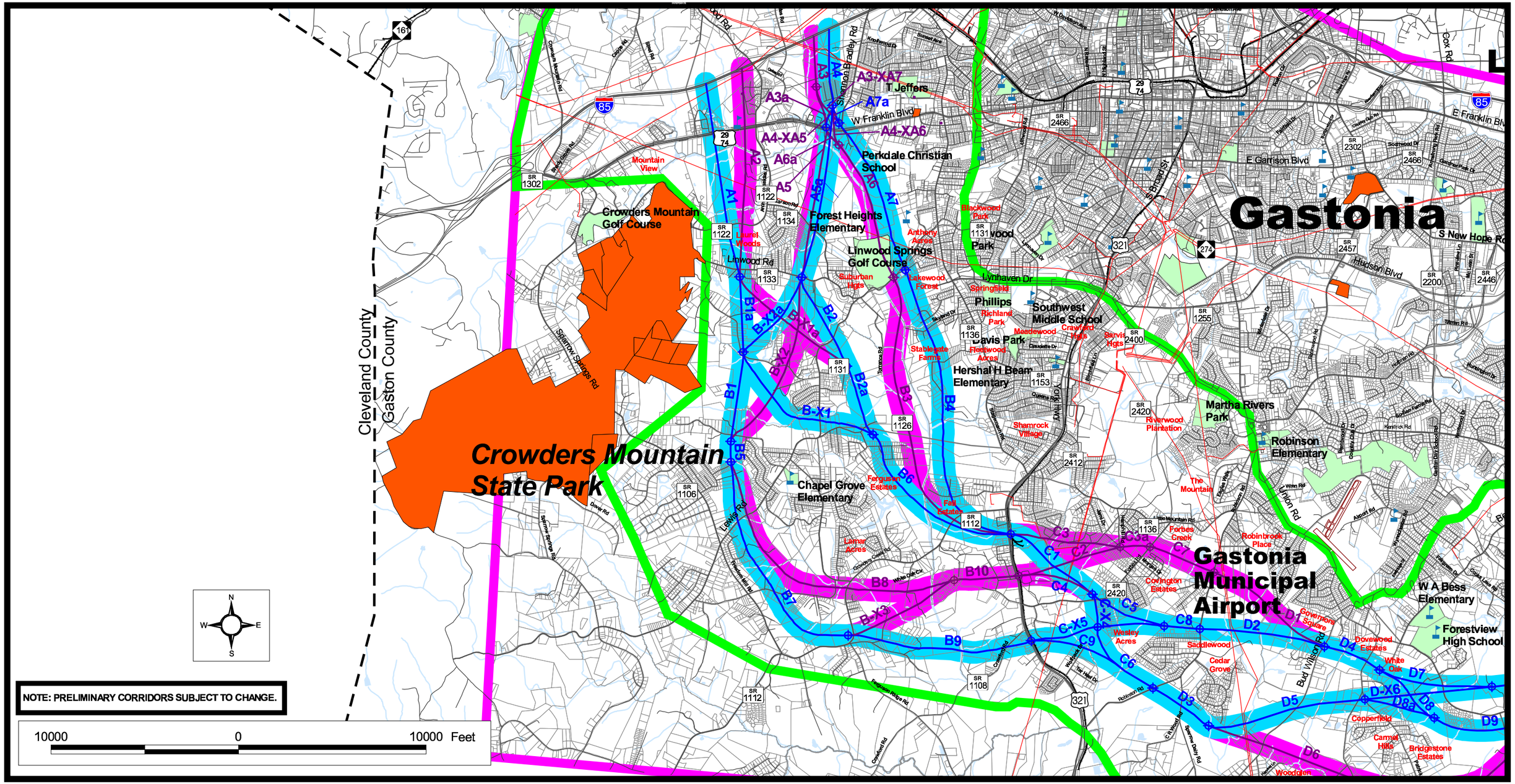
LEGEND

- Segment Endpoints
- B6 Segment Identification Numbers
- Preliminary Corridors for New Location Alternatives (1,200 feet wide)
- Refined Study Area Boundary for New Location Alternatives
- Project U-3321 Study Area Boundary
- Property Lines
- County Lines
- US Routes
- Interstates
- Thoroughfares
- Railroads
- Other Roads
- State Complexes
- NC Clean Air Project
- Fly Ash Basin
- Conservation Easement
- Park/Recreation Areas
- Transmission lines
- Hydrology
- Schools
- Lamar Acres Subdivision Names

PRELIMINARY CORRIDOR SEGMENTS

FIGURE 18b

18_prelim_corr_segments_bkways_b_no.apr (11/3/06)



NORTH CAROLINA Turnpike Authority

LEGEND

- Segment Endpoints
- B6 Segment Identification Numbers
- Preliminary Corridors for New Location Alternatives (1,200 feet wide)
- Preliminary Corridors Eliminated (1,200 feet wide)
- Refined Study Area Boundary for New Location Alternatives
- Project U-3321 Study Area Boundary
- Property Lines
- County Lines
- US Routes
- Interstates
- Thoroughfares
- Railroads
- Other Roads
- State Complexes
- Park/Recreation Areas
- Transmission lines
- Hydrology
- Schools
- Lamar Acres Subdivision Names

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
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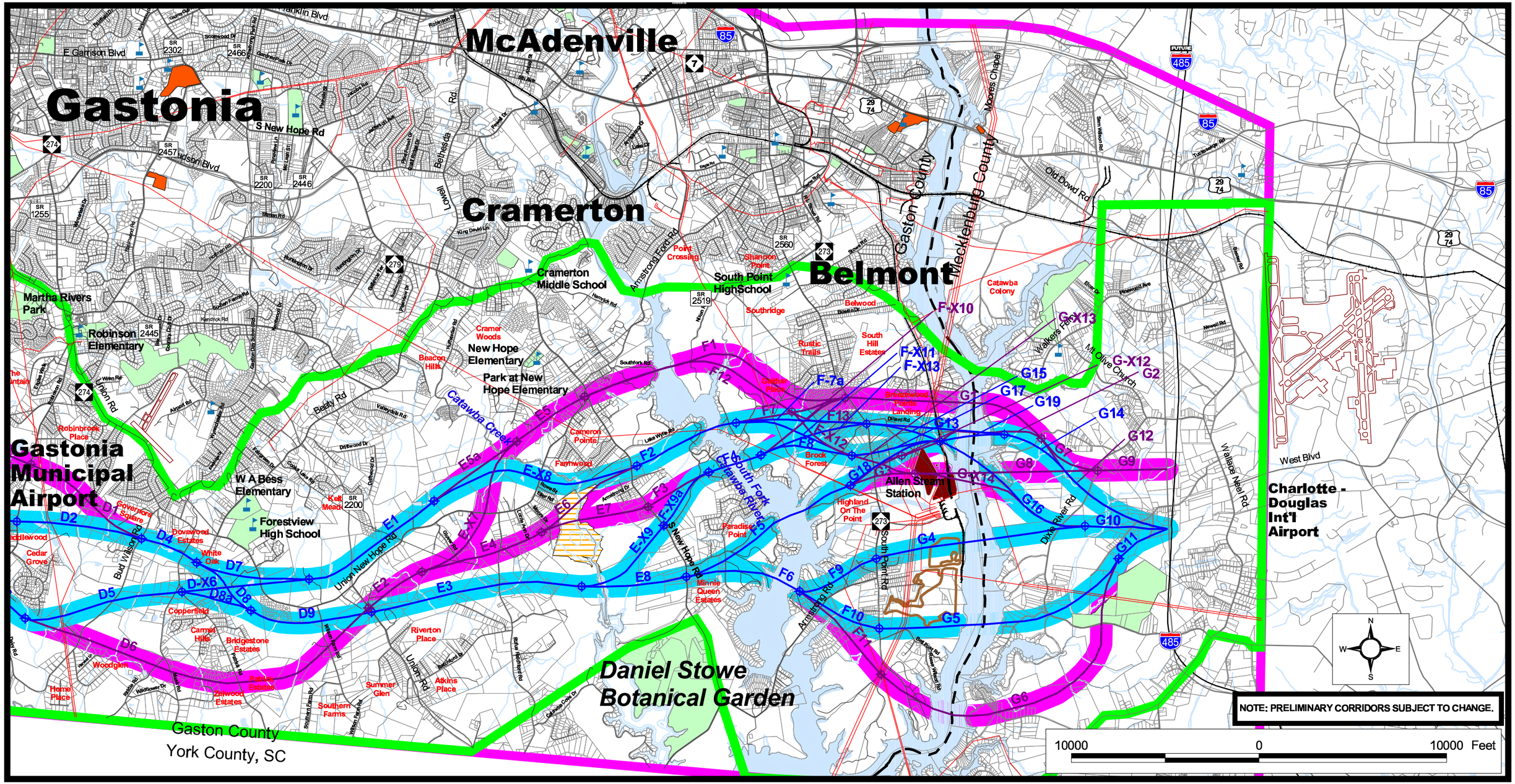
PRELIMINARY CORRIDOR SEGMENTS RETAINED FOR FUNCTIONAL DESIGN

FIGURE 19a

19_prelim_retained_blowup_a.apr (11/1/06)



NORTH CAROLINA Turnpike Authority

LEGEND

- Segment Endpoints
- B6 Segment Identification Numbers
- (1200') Preliminary Corridors for Functional Design
- (1200') Preliminary Corridors Eliminated
- Refined Study Area Boundary for New Location Alternatives
- Project U-3321 Study Area Boundary
- Property Lines
- County Lines
- US Routes
- Interstates
- Thoroughfares
- Railroads
- Other Roads
- Conservation Easement
- NC Clean Air Project
- Fly Ash Basins
- State Complexes
- Park/Recreation Areas
- Transmission lines
- Hydrology
- Schools
- Lamar Acres Subdivision Names

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PRELIMINARY CORRIDOR SEGMENTS RETAINED FOR FUNCTIONAL DESIGN

FIGURE 19b

19_prelim_retained_blowups_b.apr (11/1/06)

Spencer Mountain
Ranlo
Mt. Holly
Bessemer City
Lowell
McAdenville
Cramerton
Gastonia
Belmont
Crowders Mountain State Park
Daniel Stowe Botanical Garden
Cleveland County
Gaston County
Mecklenburg County
Gaston County
York County, SC
Catawba Creek
Crowders Creek
South Fork Catawba River

8,000 0 8,000 Feet

N W E S

NOTE: PRELIMINARY ALIGNMENTS SUBJECT TO CHANGE

NORTH CAROLINA Turnpike Authority

TIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

LEGEND

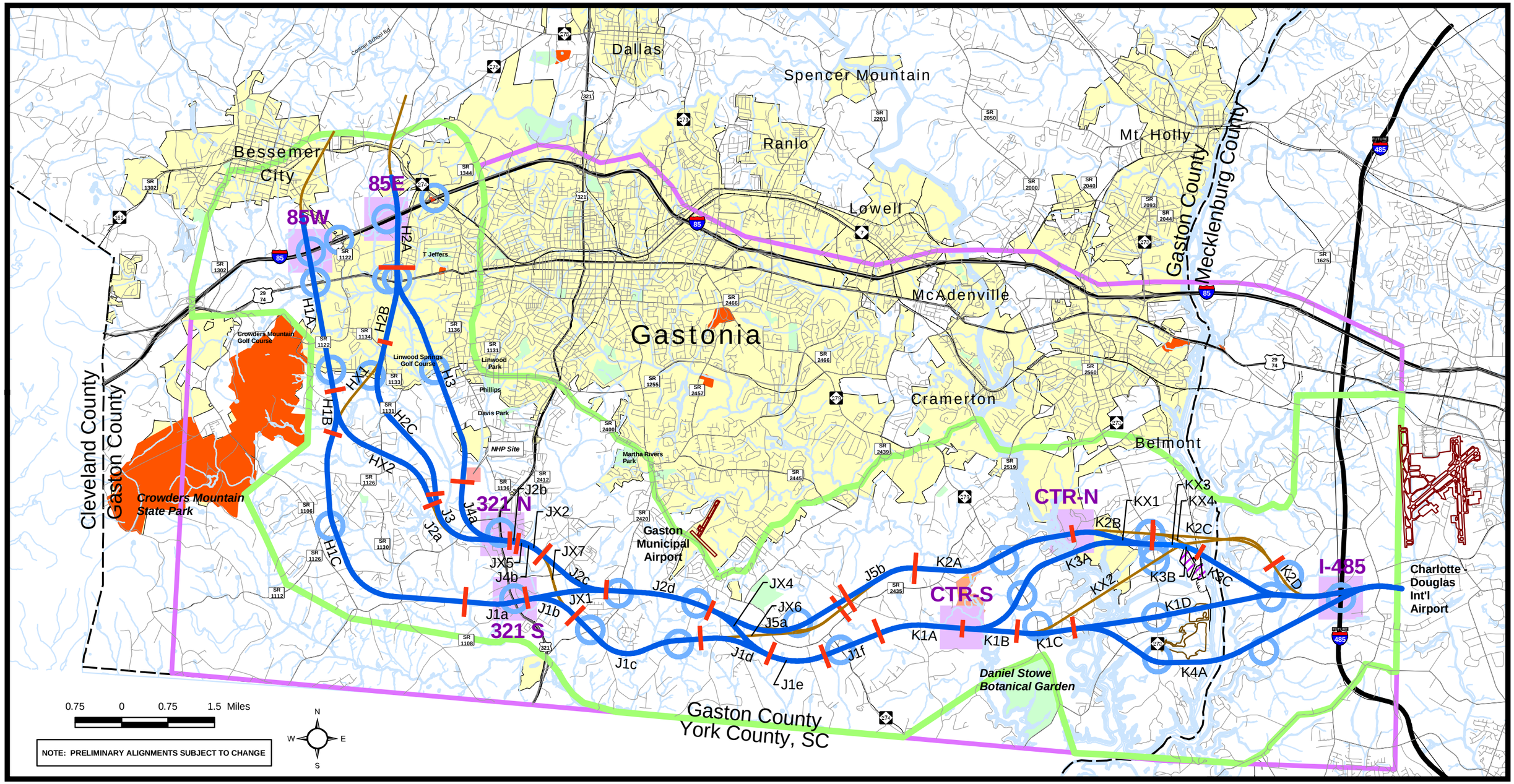
- Right-of-Way
- Railroads
- Interstates
- US Routes
- Thoroughfares
- Minor Roads
- Project U - 3321 Study Area Boundary
- Refined Study Area Boundary for New Location Alternatives
- Recommended Corridors for Detailed Study*
- Corridors Eliminated from Further Study
- Parcels
- Hydrology
- Fly Ash Basins
- NC Clean Air Project
- Conservation Easements
- State Complexes

* NOTE: Corridors are 1400 feet wide, wider at proposed interchange locations.

FUNCTIONAL DESIGN CORRIDORS

FIGURE 20

20_Functional_Design_rev.mxd 11/3/06



LEGEND

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321
GASTON EAST-WEST CONNECTOR
GASTON AND MECKLENBURG COUNTIES

- Potential Interchanges
- H1A Segment Identification Number
- Eliminated Preliminary Alignments
- Selected for Detailed Study
- Segment Breaklines
- Refined Study Area Boundary for New Location Alternatives
- Hydrology
- Project U-3321 Study Area Boundary
- Railroads
- US Routes
- Interstates
- Other Roads
- County Lines
- Decision Nodes
- Park/Recreation Areas
- State Complexes
- NC Clean Air Project
- Fly Ash Basins
- Conservation Easements

DECISION NODES AND FUNCTIONAL DESIGN CORRIDOR CENTERLINES

FIGURE 21

21_Decision_Nodes.mxd 5/27/08