Note: Noise barriers shown on this map are preliminary. The feasibility and reasonableness of potential noise barriers will be reassessed for the Preferred Alternative during final design.

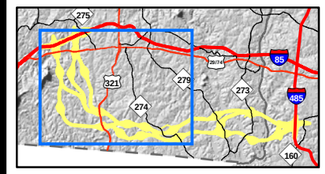
BARRIER 1-1
BARRIER 3-1
BARRIER 4-1
BARRIER 6-1
BARRIER 7-1
BARRIER 8-1
BARRIER 9-1
BARRIER 11-1
BARRIER 12-1
BARRIER 12-2
BARRIER 14-1
BARRIER 17-1
BARRIER 17-2
BARRIER 17-3
BARRIER 17-4
BARRIER 19-1

H1A H1B H1C H2A H2B H2C H3 J1A J1B J1C J1D J1E J1F J2A J2B J2C J2D J3 J4A J4B J5A J5B JX1 JX4 K1A

Gastonia
Woodhill
T. Jeffers Park
Edward D. Sadler Jr.
York Chester
Pleasant Ridge
Forest Heights
Grier
Sherwood
Gardner Park
Ashbrook
Crowders Mountain Golf Course
Crowders Mountain State Park
Camp Rotary Girl Scout Camp
Karyae YMCA Park
Linwood Springs Golf Course
Linwood Rd
Chapel Grove Rd
Hunter Huss
Lingerfeldt
Ferguson Park
Gastonia Municipal Golf Course
Linwood Park
Southwest
Davis Park
H.H. Beam
Martha Rivers Park
Robinson
Catawba Creek
Gaston Country Club
Chapel Grove
Park at Chapel Grove Elementary
New Haven Dr
Lewis Rd
Crowders Creek Rd
Crowders Creek
Gastonia Municipal Airport
Robinson Rd
W.A. Bess Park at W.A. Bess Elementary
Park at Forestview High School
Forestview
Union Rd
Union New Hope Rd
Bud Wilson Rd
Carolina Speedway

85 321 29 74 20 21 22 18 17 16 15 14 19 13 12 11 10 9 279 274

Legend
- Noise Measurement Sites
- PreliminaryNoise Barriers
- Neighborhood Study Area
- Segment Breaks
- Design Centerline
- West Blvd Realignment (Construction by Airport)
- Schools
- County Line
- State Line
- Buildings
- Streets
- Hydrology
- Parks
- Private Recreation Facilities and Attractions
- Detailed Study Alternatives
- K3A Segment Name



Source: Gaston County and Mecklenburg County
Map printed April 2009.

N

0 0.375 0.75
Miles

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

NOISE IMPACT ASSESSMENT INFORMATION

Figure 4-1a

NoiseImpactAssInfoNoCondBarr.mxd AKH 4.17.09

Note: Noise barriers shown on this map are preliminary. The feasibility and reasonableness of potential noise barriers will be reassessed for the Preferred Alternative during final design.

McAdenville
Cramerton
Belmont
Ashbrook
McAdenville
Belmont Central
Belmont Middle
Page
South Point
Cramerton
New Hope
Catawba Creek
Berryhill Park
CHARLOTTE-DOUGLAS INTERNATIONAL AIRPORT
85
29
74
279
485
273
274
321
160

BARRIER 25-1
BARRIER 28-1
BARRIER 29-1
BARRIER 29-2
BARRIER 33-1
BARRIER 28-3
K1A
K1B
K1C
K2A
K3A
K3B
K3C
K4A
KX1
J1F
J5B
1
2
3
4
5
6
7
8
S New Hope Rd
Union New Hope Rd
Union Rd
Rufus Ratchford Rd
Carolina Speedway
Daniel Stowe Botanical Garden
Duke Energy Recreation Fields
Southpoint Rd
Allen Steam Station
Allen Access Fishing Area
Dixie River Rd
Dixie Community Center
Berewick District Park
South Fork Catawba River
Catawba River

Legend
- Noise Measurement Sites
- PreliminaryNoise Barriers
- Neighborhood Study Area
- Segment Breaks
- Design Centerline
- West Blvd Realignment (Construction by Airport)
- Schools
- County Line
- State Line
- Buildings
- Streets
- Hydrology
- Parks
- Private Recreation Facilities and Attractions
- Detailed Study Alternatives
- K3A Segment Name

Source: Gaston County and Mecklenburg County
Map printed April 2009.

N

0 0.375 0.75
Miles

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

NOISE IMPACT ASSESSMENT INFORMATION

Figure 4-1b

NoiseImpactAssInfoNoCondBarr.mxd AKH 4.17.09

Dallas
Spencer Mountain
Ranlo
Mt. Holly
Gaston County
Mecklenburg County
Bessemer City
85
Lowell
29
74
McAdenville
Gastonia
Charlotte
Cramerton
Belmont
485
321
Catawba Creek
Gastonia Municipal Airport
Charlotte Douglas Int'l Airport
Crowders Creek
Allen Steam Station
Catawba River
South Fork Catawba River
Gaston County
York County, SC

NOTE: PRELIMINARY ALIGNMENTS SUBJECT TO CHANGE

Gaston&MeckFarmlandsDist.mxd AKH 4.10.09

Legend

- Detailed Study Alternatives
- Preliminary ROW
- County Lines
- State Line
- Interstates
- Disturbed Communities*
- Prime Farmland
- Statewide Farmland
- Water

* Identified by field investigation only within DSA corridors

Source: Gaston County and Mecklenburg County GIS
Map printed April 2009.

N

0 0.75 1.5 Miles

NORTH CAROLINA Turnpike Authority

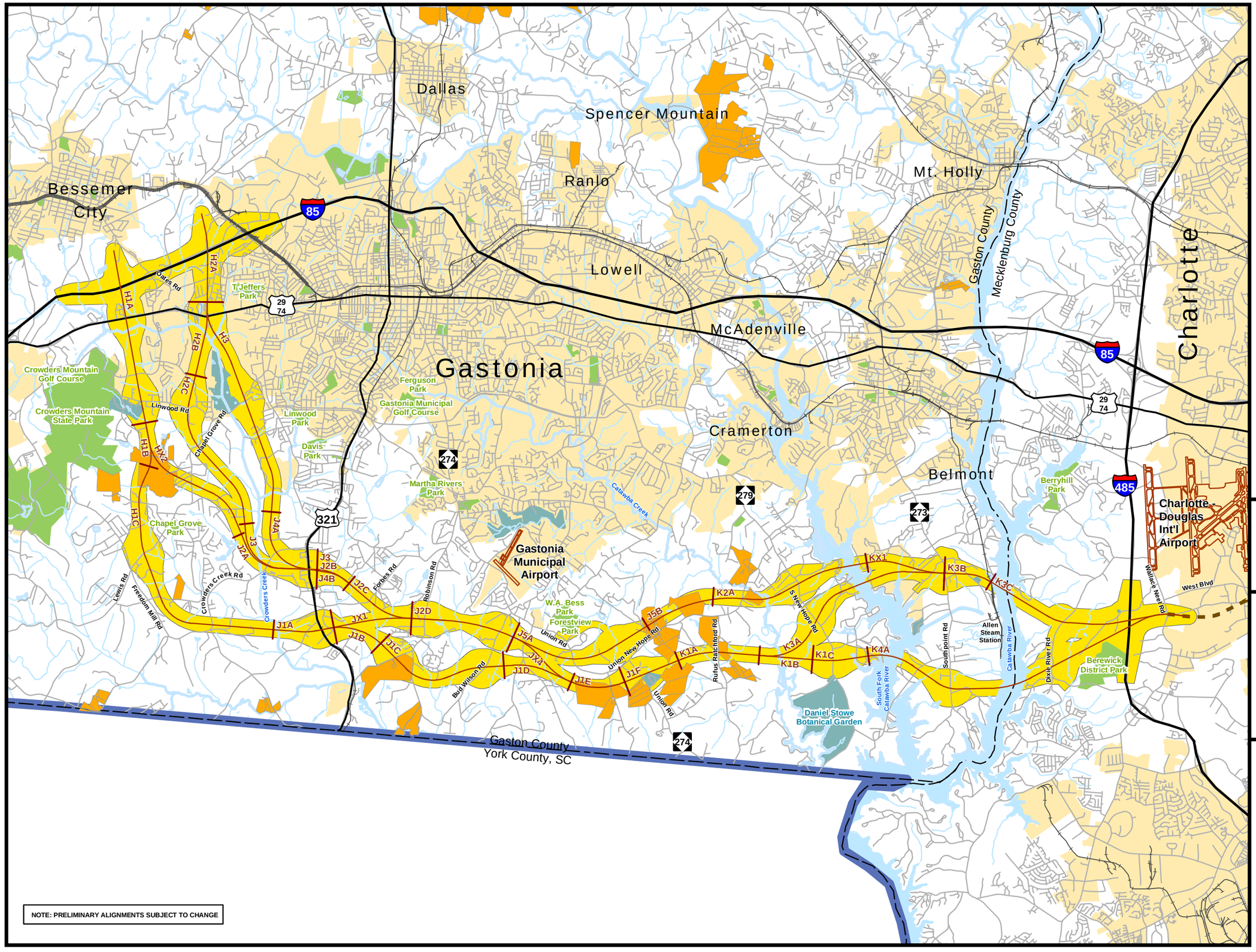
STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

FARMLAND SOILS

Figure 4-2



Legend

- Voluntary Agricultural District Properties
- Design Centerline
- Segment Breaks
- Detailed Study Alternatives
- West Blvd Realignment (Construction by Airport)
- Private Recreation Facilities and Attractions
- Parks
- County Lines
- State Line
- Interstates
- US Routes
- RailRoads
- Hydrology
- City Limits

Source: Gaston County and Mecklenburg County GIS. Map printed April 2009.

N

0 0.75 1.5 Miles

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321

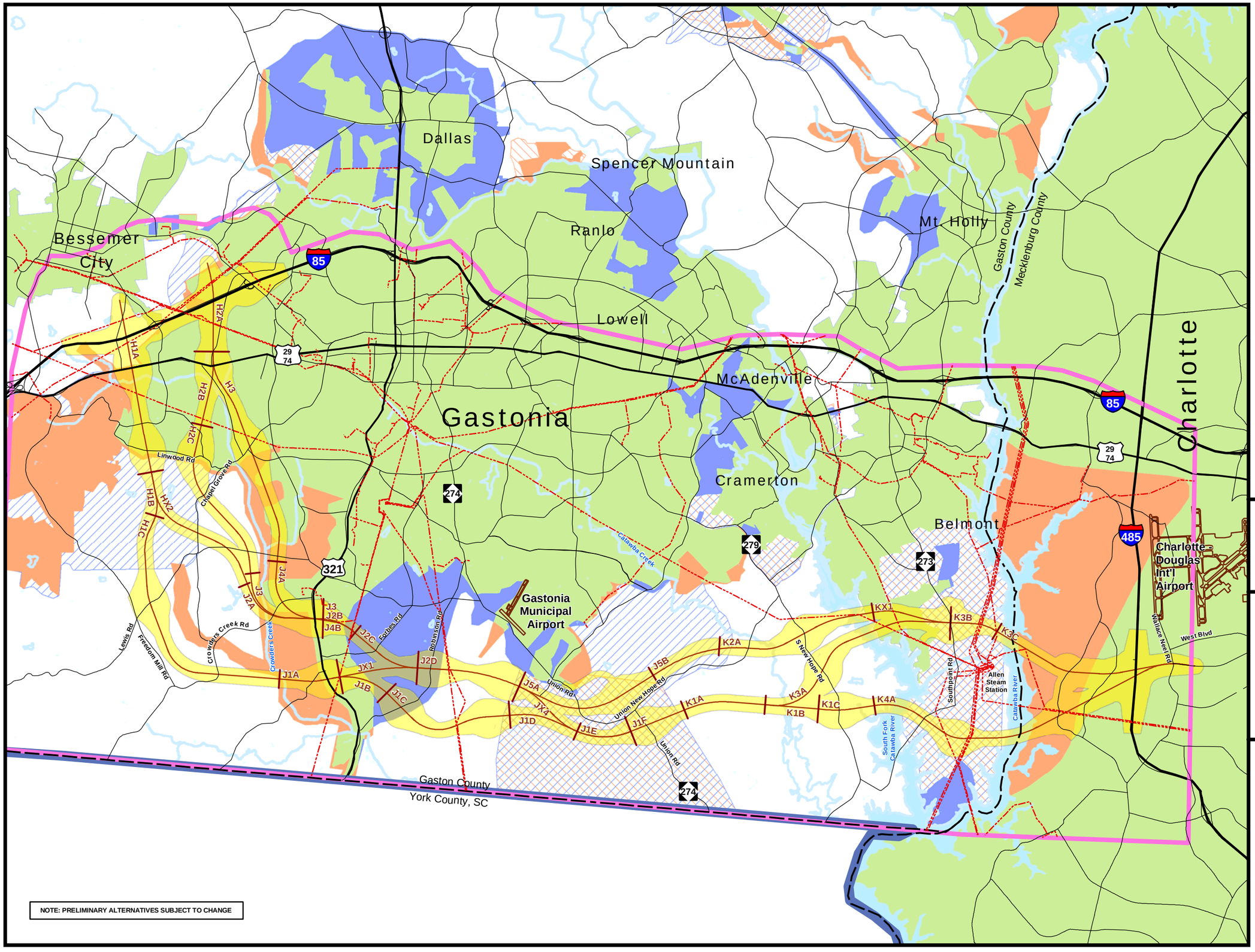
Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

VOLUNTARY AGRICULTURAL DISTRICT PROPERTIES

Figure 4-3

VoluntaryAgriDist.mxd AKH 4.17.09



Legend

- Study Area Boundary
- Public Water and Sewer Service Area (Current)
- Public Water Service Area (Current)
- Public Sewer Service Area (Current)
- Public Water Service Area (Planned)
- Public Sewer Service Area (Planned)
- Power Transmission Lines
- Segment Breaks
- Design Centerline
- Detailed Study Alternatives
- County Lines
- State Line
- Interstates
- US Routes
- Thoroughfares
- Hydrology

Source: Louis Berger Group, and Gaston County and Mecklenburg County GIS Map printed April 2009.

N

0 0.75 1.5 Miles

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321

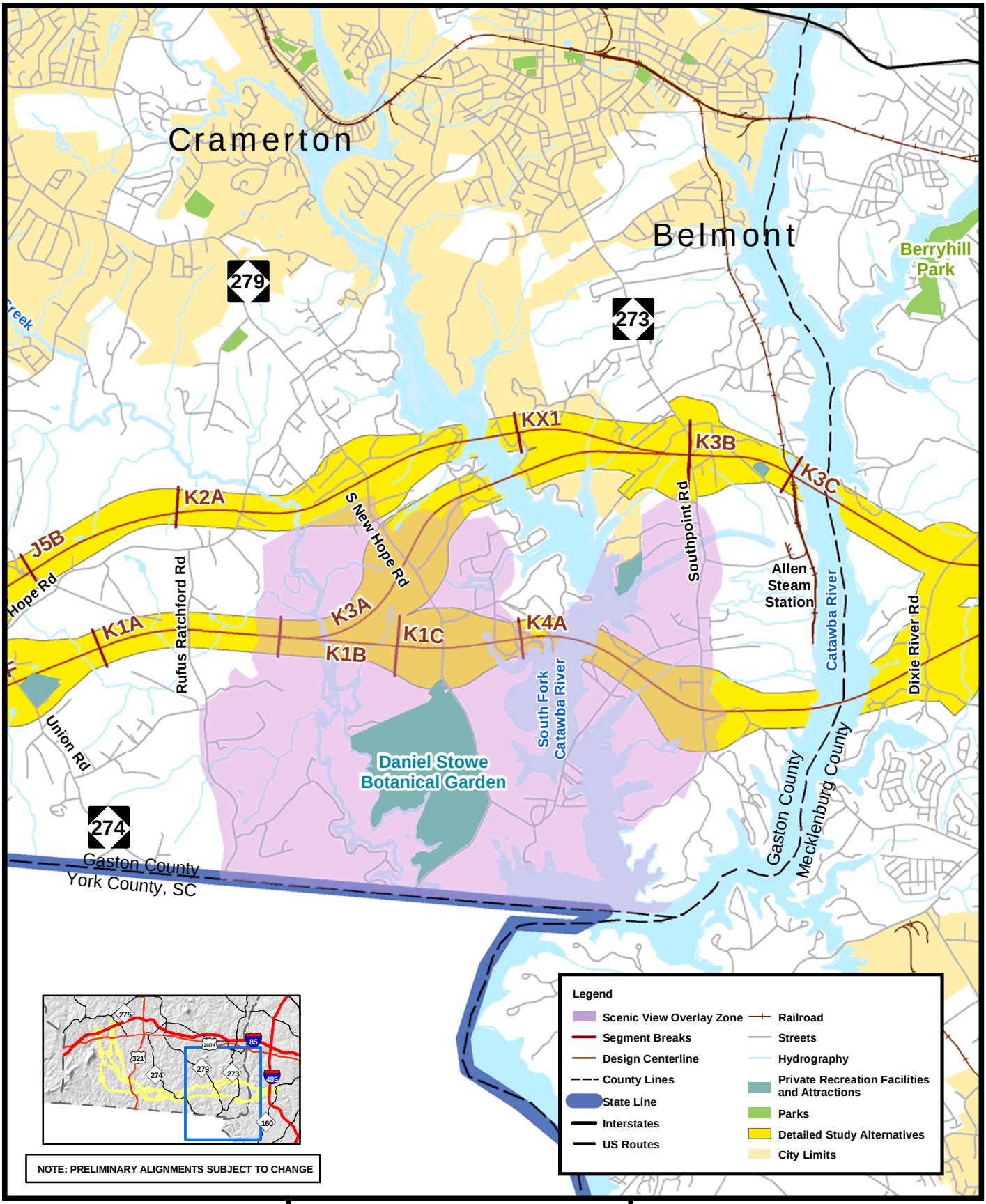
Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

POWER TRANSMISSION LINES & WATER AND SEWER SERVICE AREAS

Figure 4-4

Fig4-4_Power&Water&SewerServiceAreas.mxd AKH 4.10.09



ScenicOverlayAreas8x11.mxd AKH 4.10.09

NORTH CAROLINA Turnpike Authority

GASTON EAST-WEST CONNECTOR

STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

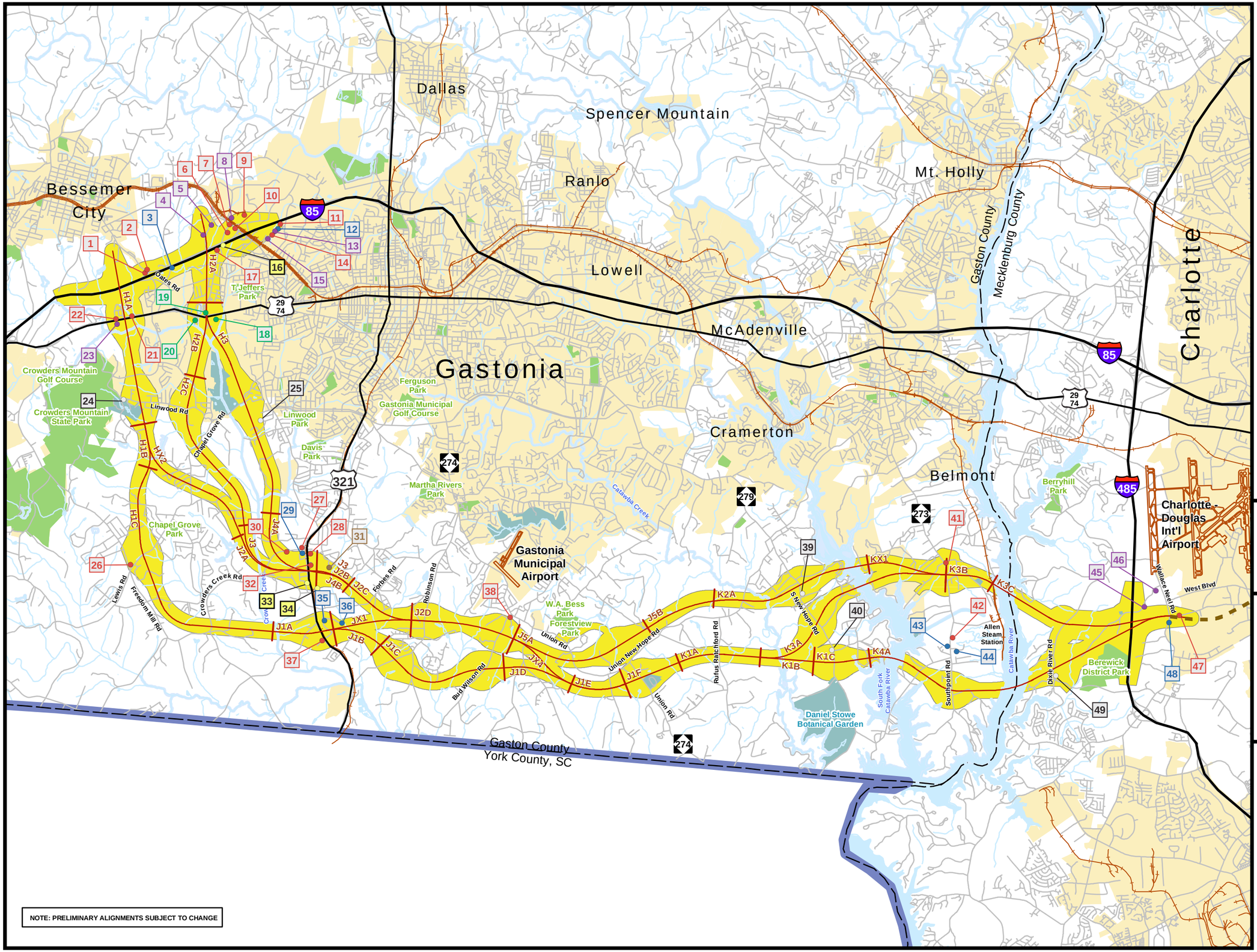
0 0.5 1 Miles

Source: Gaston County and Mecklenburg County GIS
Map printed April 2009.

N

GASTON COUNTY ZONING MAP SCENIC VIEW OVERLAY ZONE

Figure 4-5



Legend

- Ground Water Incident
- Hazardous Waste Site
- Junk Yard
- Landfill
- Manufacturing
- Other
- Underground Storage Tank
- 1 Site Identification Number*
- Design Centerline
- Segment Breaks
- Detailed Study Alternatives
- Parks
- Private Recreation Facilities and Attractions
- West Blvd Realignment (Construction by Airport)
- County Lines
- State Line
- Interstates
- US Routes
- Streets
- Railroad
- Hydrology
- City Limits

* See Table 4-13 in Draft EIS

Source: Gaston County and Mecklenburg County GIS
Map printed April 2009.

N

0 0.75 1.5 Miles

NORTH CAROLINA Turnpike Authority

STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

HAZARDOUS MATERIALS SITES

Figure 4-6

HazardousSites.mxd AKH 4.17.09 Labels added in Illustrator

Dallas
Spencer Mountain
Ranlo
Mt. Holly
Bessemer City
Lowell
McAdenville
Gastonia
Cramerton
Belmont
Charlotte
Oates Branch
Bessemer Branch
Oates Rd
H2A
H1A
H2B
H3
H2C
Crowders Creek
Linwood Rd
Crowders Mountain State Park
Chapel Grove Rd
H1B
H2
H1C
McGill Branch
Ferguson Branch
Blackwood Creek
J4A
J3
J2A
J2B
J4B
J2C
J2D
J1A
JX1
J1B
J1C
Lewis Rd
Freedom Mill Rd
Crowders Creek Rd
Forbes Rd
Robinson Rd
South Crowders Creek
Gastonia Municipal Airport
Union Rd
J5A
JX4
J1D
J1E
Bud Wilson Rd
Mill Creek
Union New Hope Rd
J1F
J5B
K2A
K1A
Rufus Ratchford Rd
S New Hope Rd
KX1
K3A
K1B
K1C
K4A
K3B
K3C
Southpoint Rd
Allen Steam Station
Dixie River Rd
Beaverdam Creek
Legion Lake Stream
South Fork Catawba River
Catawba River
Wallace Neel Rd
West Blvd
Charlotte - Douglas Int'l Airport
Gaston County
Mecklenburg County
Gaston County
York County, SC
Abernathy Creek
Catawba Creek
85
29
74
321
274
279
273
485

Please note that detailed floodway boundaries for Crowders Creek, Catawba Creek, Blackwood Creek, Beaverdam Creek and Legion Lake Stream are shown where available.

NOTE: PRELIMINARY ALIGNMENTS SUBJECT TO CHANGE

Fig4-7_WaterResources.mxd AKH 4.17.09

Legend

- FEMA Floodway
- FEMA 100 Year Floodplain

Water Supply/Watershed

- Critical Area
- Protected Area
- Hydrology
- Ponds and Lakes
- Design Centerline
- Segment Breaks
- Detailed Study Alternatives
- West Blvd Realignment (Construction by Airport)
- County Lines
- State Line
- Interstates
- US Routes
- Railroad
- Streets

Source: NC ONE Map, NC Flood Map, Gaston County and Mecklenburg County GIS
Map printed April 2009.

N

0 0.75 1.5 Miles

NORTH CAROLINA Turnpike Authority

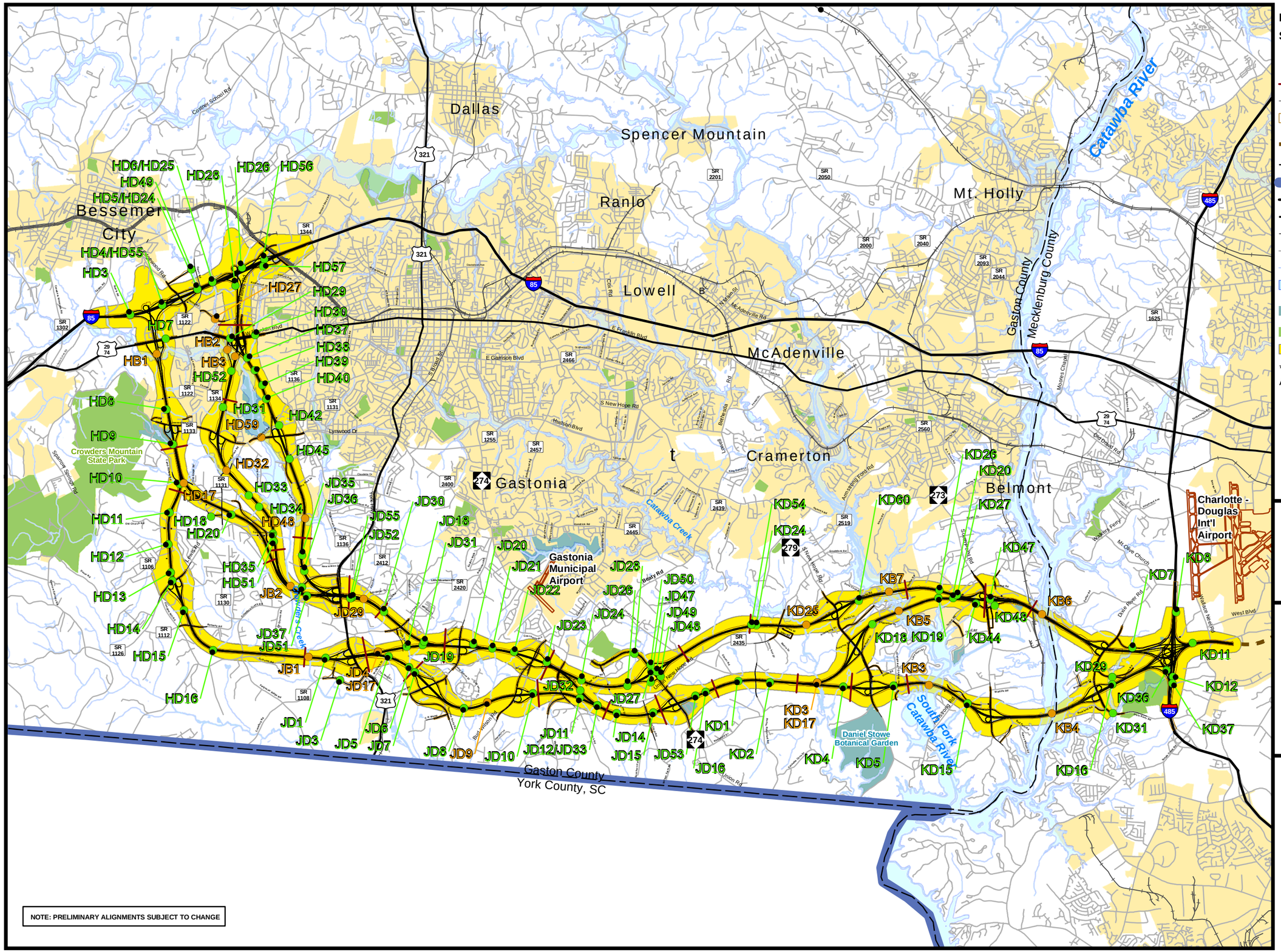
STIP PROJECT NO. U-3321

Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

WATER RESOURCES

Figure 4-7


Dallas
Spencer Mountain
Ranlo
Bessemer City
Lowell
Mt. Holly
McAdenville
Cramerton
Gastonia
Belmont
Gastonia Municipal Airport
Charlotte - Douglas Int'l Airport
Catawba River
Gaston County
Mecklenburg County
Catawba Creek
South Fork Catawba River
Daniel Stowe Botanical Garden
Crowders Mountain State Park
Crowders Creek
Gaston County
York County, SC
HD6/HD25
HD49
HD5/HD24
HD26
HD56
HD4/HD55
HD3
HD57
HD27
HD29
HD30
HD7
HD37
HD2
HD38
HB1
HB3
HD39
HD52
HD40
HD8
HD31
HD42
HD59
HD9
HD45
HD32
HD10
HD33
JD35
HD17
HD34
JD36
HD11
HD18
HD48
JD55
HD20
JD52
HD12
HD35
HD51
JB2
HD13
JD29
HD14
JD37
JD51
HD15
JB1
JD4
JD17
HD16
JD1
JD3
JD5
JD6
JD7
JD8
JD9
JD10
JD11
JD12/JD33
JD15
JD14
JD53
JD16
JD27
JD32
JD19
JD30
JD18
JD31
JD20
JD21
JD22
JD23
JD24
JD26
JD28
JD50
JD47
JD49
JD48
KD54
KD24
KD60
KD26
KD20
KD27
KD47
KD7
KD8
KB7
KD25
KB6
KD48
KB5
KD18
KD19
KD44
KB3
KD29
KD36
KD11
KD12
KD37
KB4
KD31
KD3
KD17
KD1
KD2
KD4
KD5
KD15
KD16
Legend
Stream Crossings*
72 inch diameter pipe or larger
Bridge
Segment Breaks
Preliminary Road Design
Right of Way
West Blvd Realignment (Construction by Airport)
County Lines
State Line
Interstates
US Routes
Railroad
Streets
Hydrology
100 Year Floodplains
Private Recreation Facilities and Attractions
Parks
Detailed Study Alternatives
*See Table 4-14 or Appendix K in the Draft EIS
Source: Gaston County and Mecklenburg County GIS
Map printed April 2009.
N
0
0.75
1.5
Miles
NORTH CAROLINA Turnpike Authority
STIP PROJECT NO. U-3321
Gaston County and Mecklenburg County
GASTON EAST-WEST CONNECTOR
MAJOR DRAINAGE STRUCTURES
Figure 4-8
NOTE: PRELIMINARY ALIGNMENTS SUBJECT TO CHANGE
Fig4-8_MajorDrainageStruct.mxd AKH 4.17.09