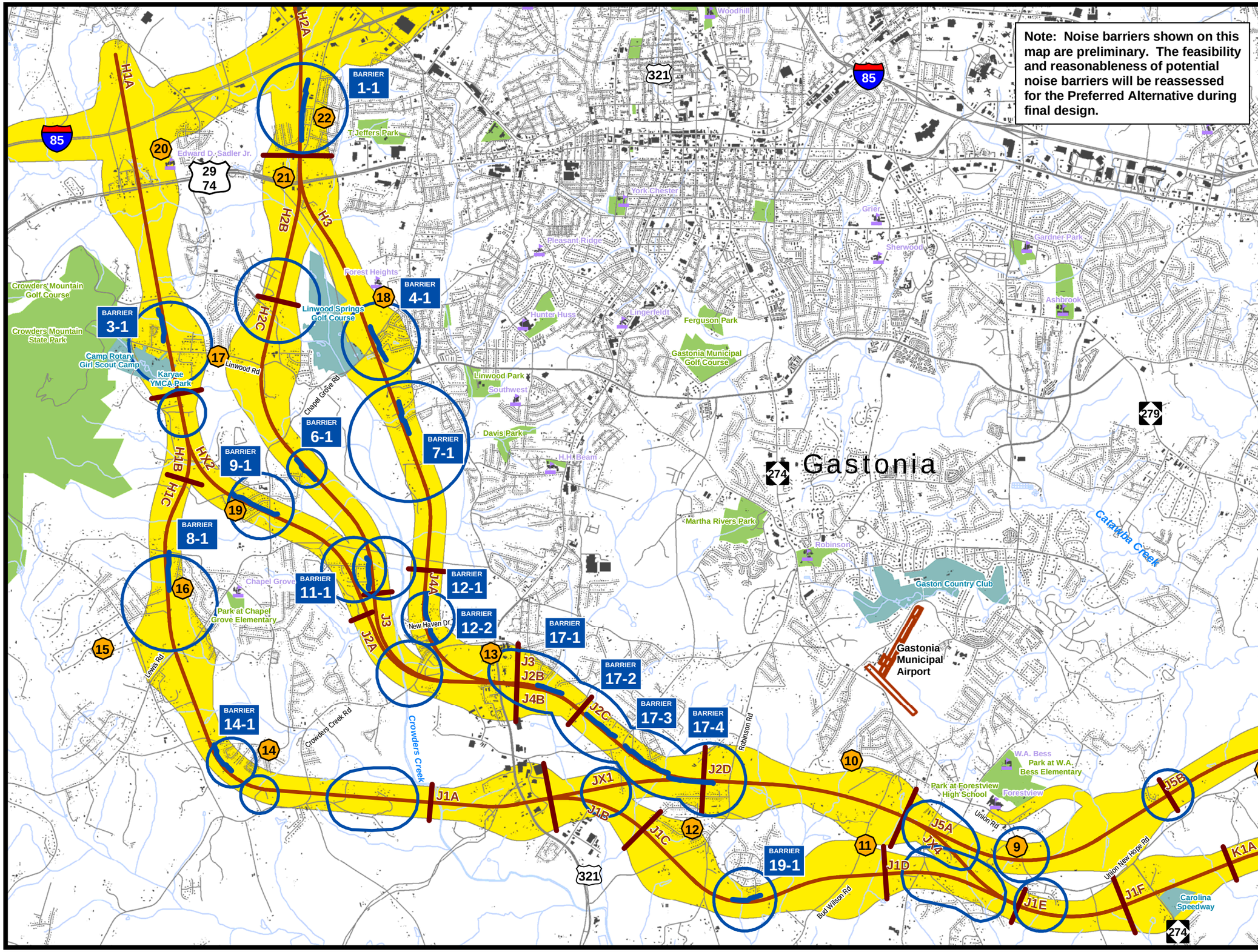
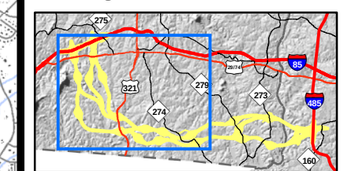


Legend

- 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

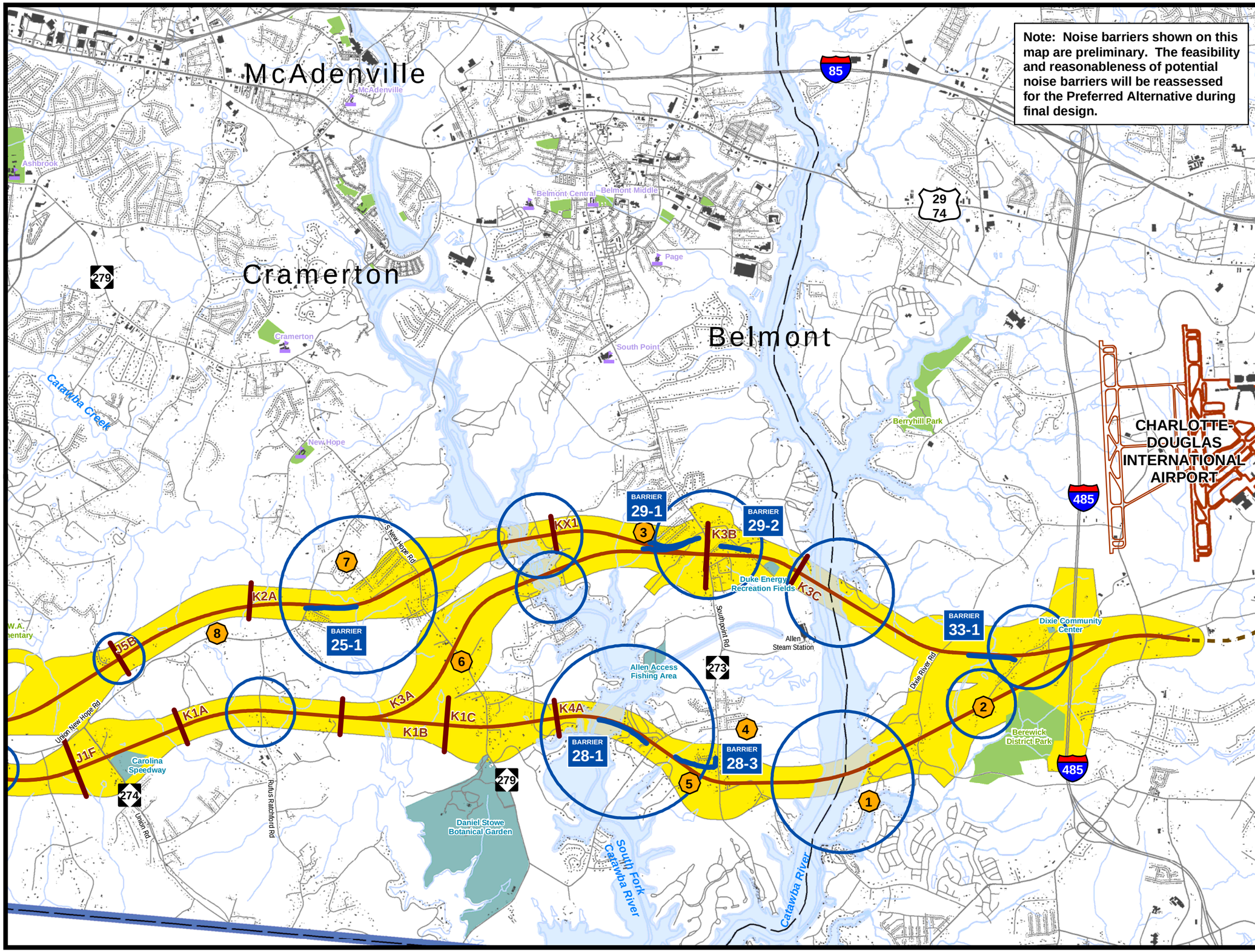
Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

NOISE IMPACT ASSESSMENT INFORMATION

Figure 4-1a

NoiseImpactAssInfoNoCondBarr.mxd AKH 4.17.09



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

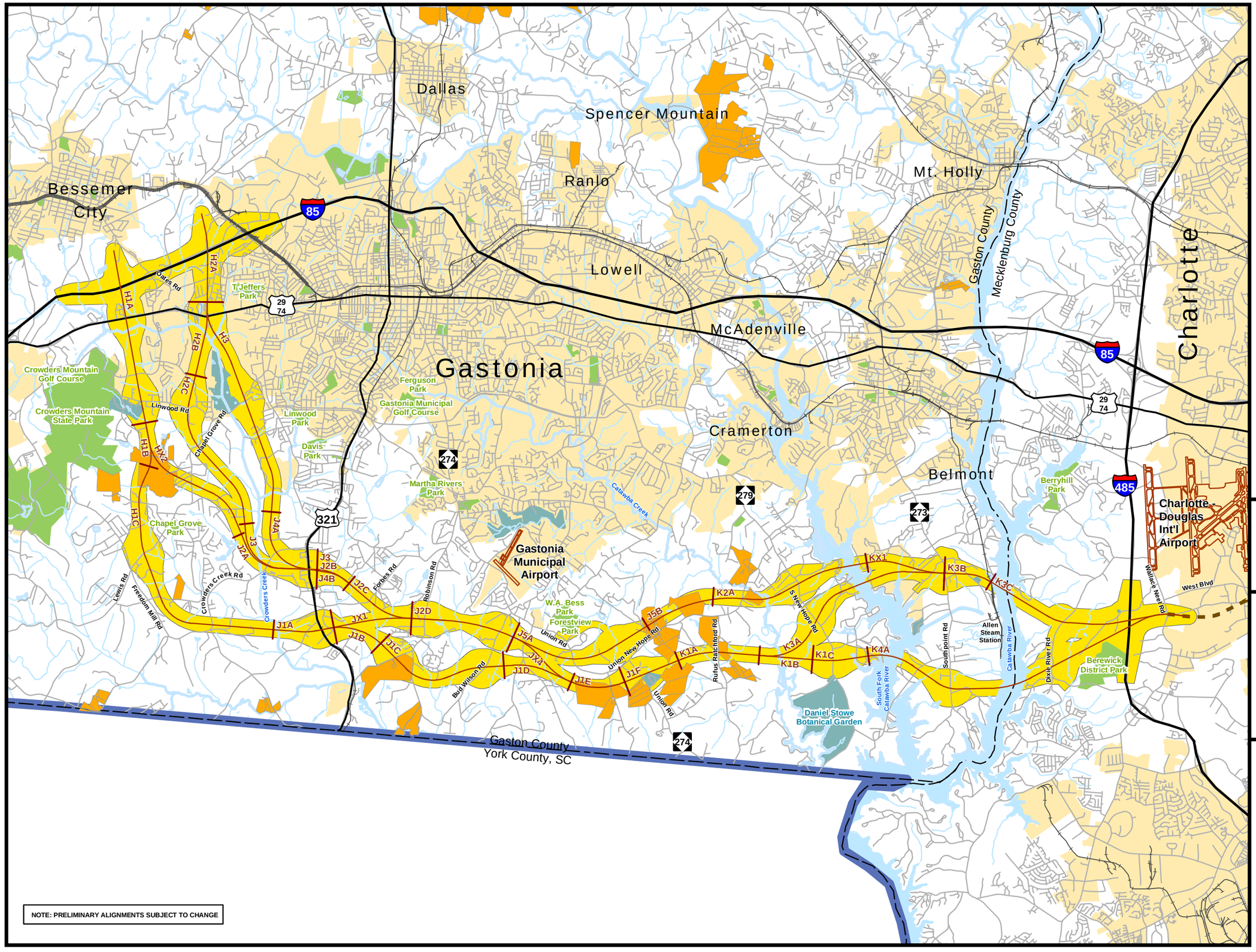
STIP PROJECT NO. U-3321

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

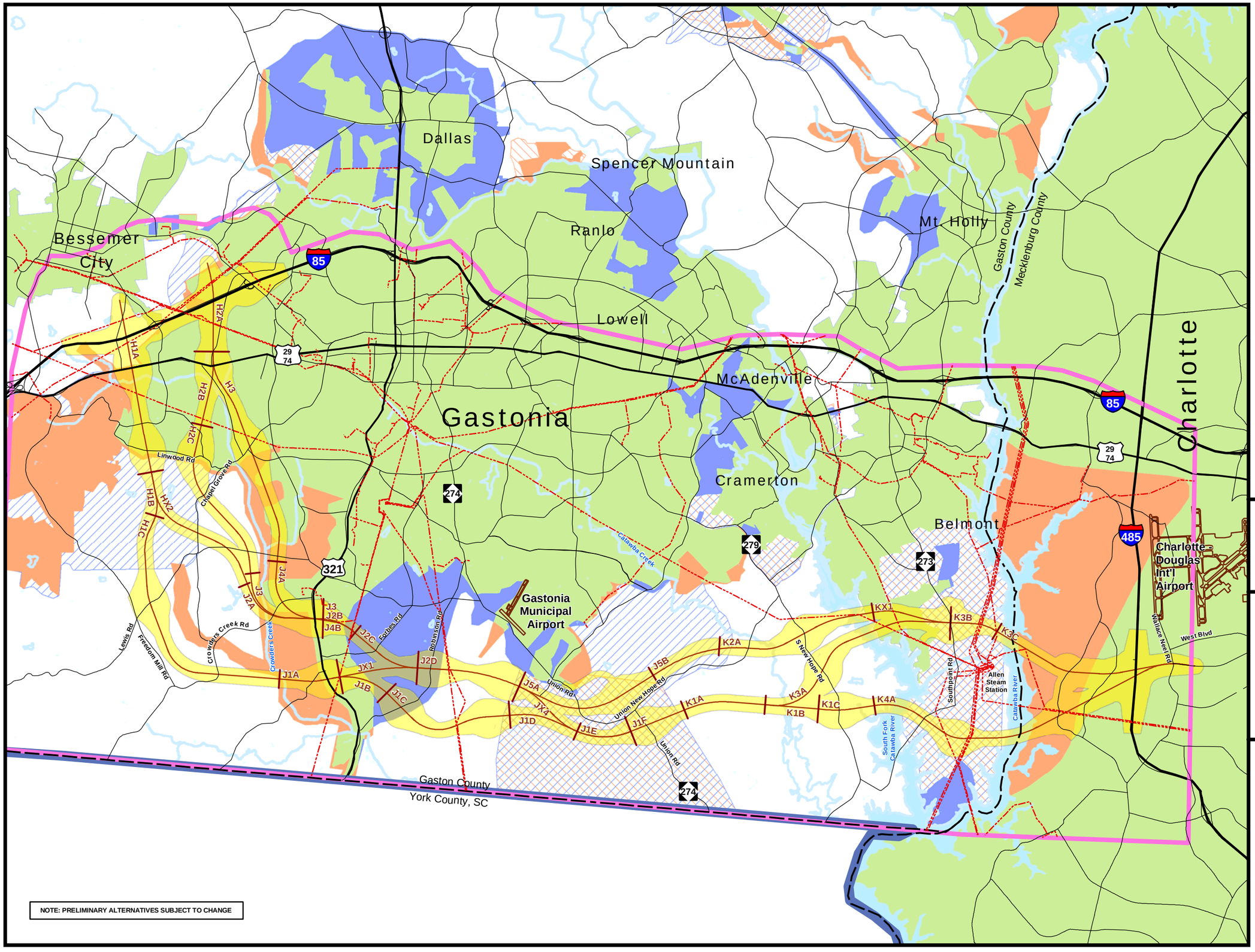
Gaston County and Mecklenburg County

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

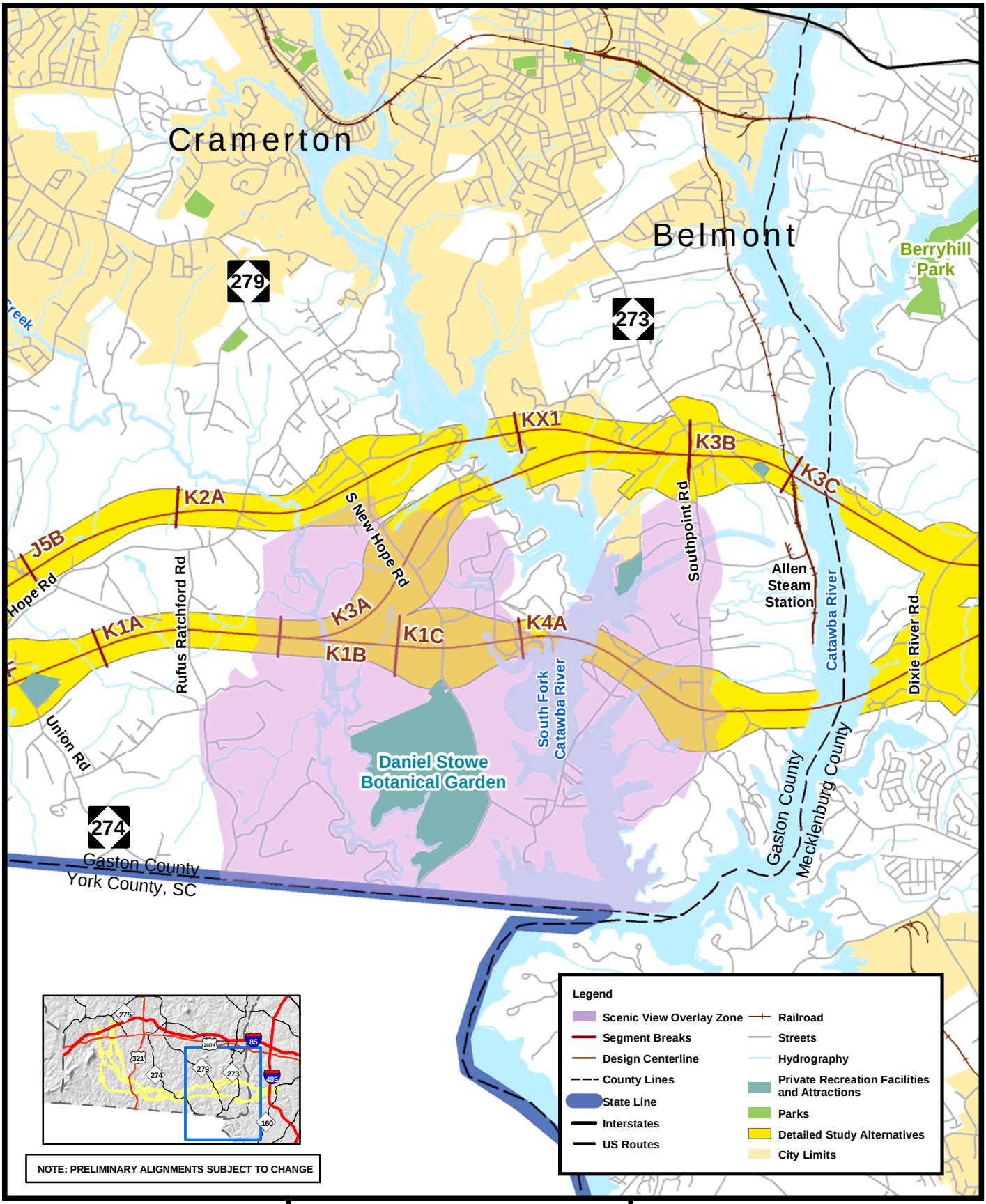
Gaston County and Mecklenburg County

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

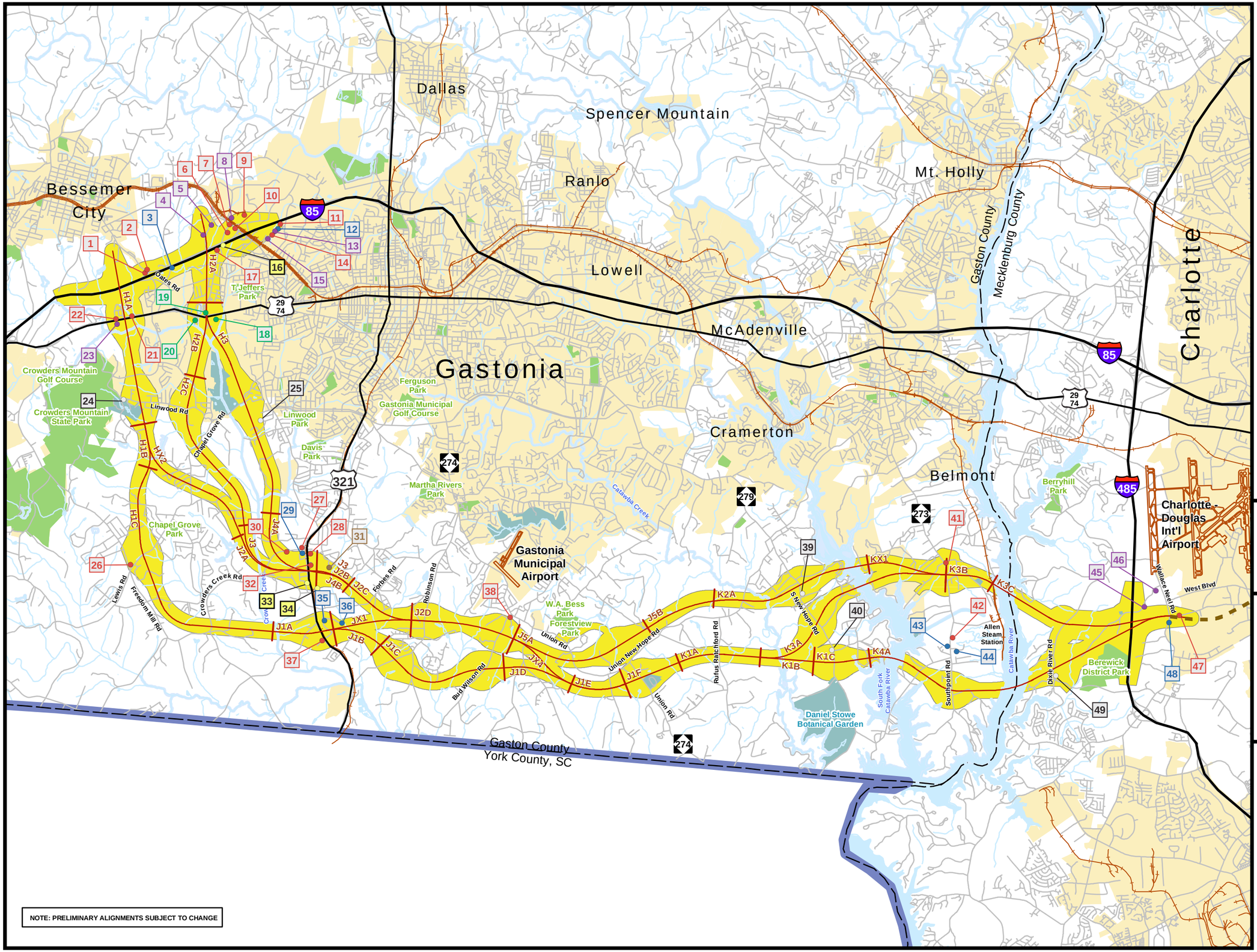
0 0.5 1 Miles

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

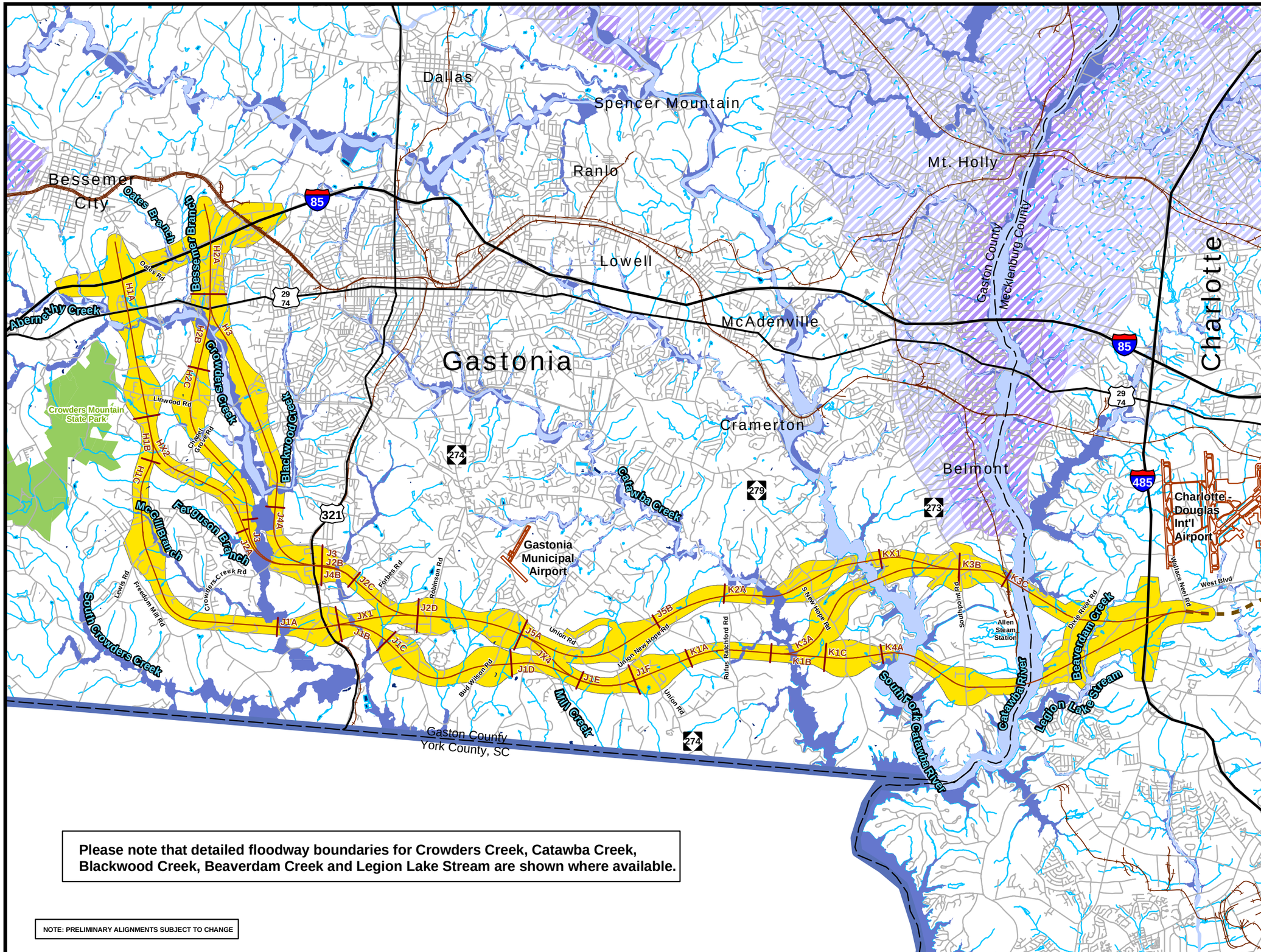
Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

HAZARDOUS MATERIALS SITES

Figure 4-6

HazardousSites.mxd AKH 4.17.09 Labels added in Illustrator



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

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

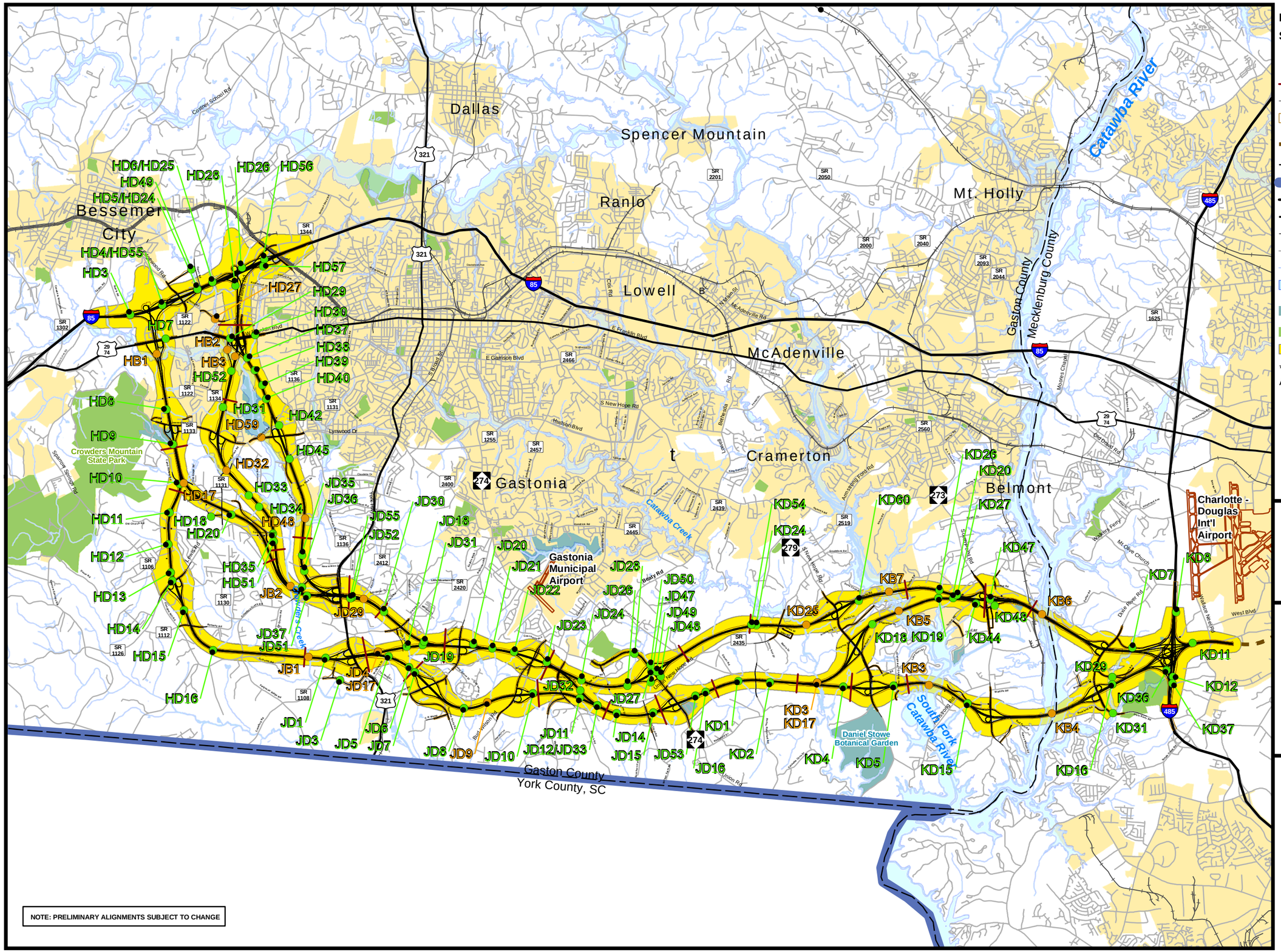
Gaston County and Mecklenburg County

GASTON EAST-WEST CONNECTOR

WATER RESOURCES

Figure 4-7

Fig4-7_WaterResources.mxd AKH 4.17.09



NOTE: PRELIMINARY ALIGNMENTS SUBJECT TO CHANGE

Fig4-8_MajorDrainageStruct.mxd AKH 4.17.09

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