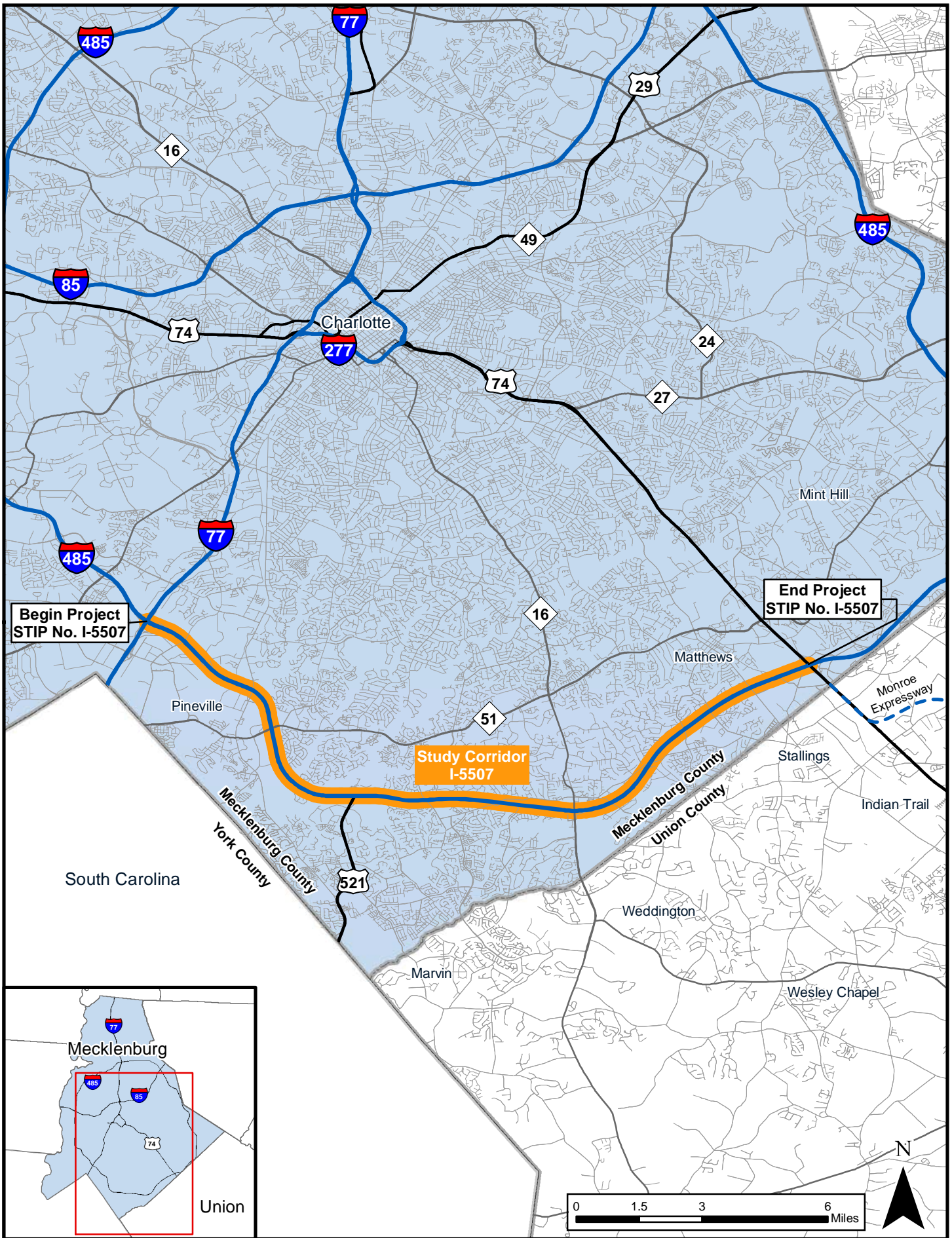


# **APPENDIX A**

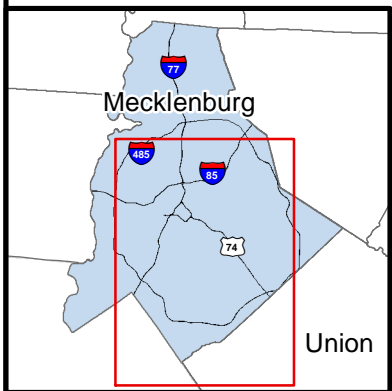
## Figures



**Begin Project**  
STIP No. I-5507

**End Project**  
STIP No. I-5507

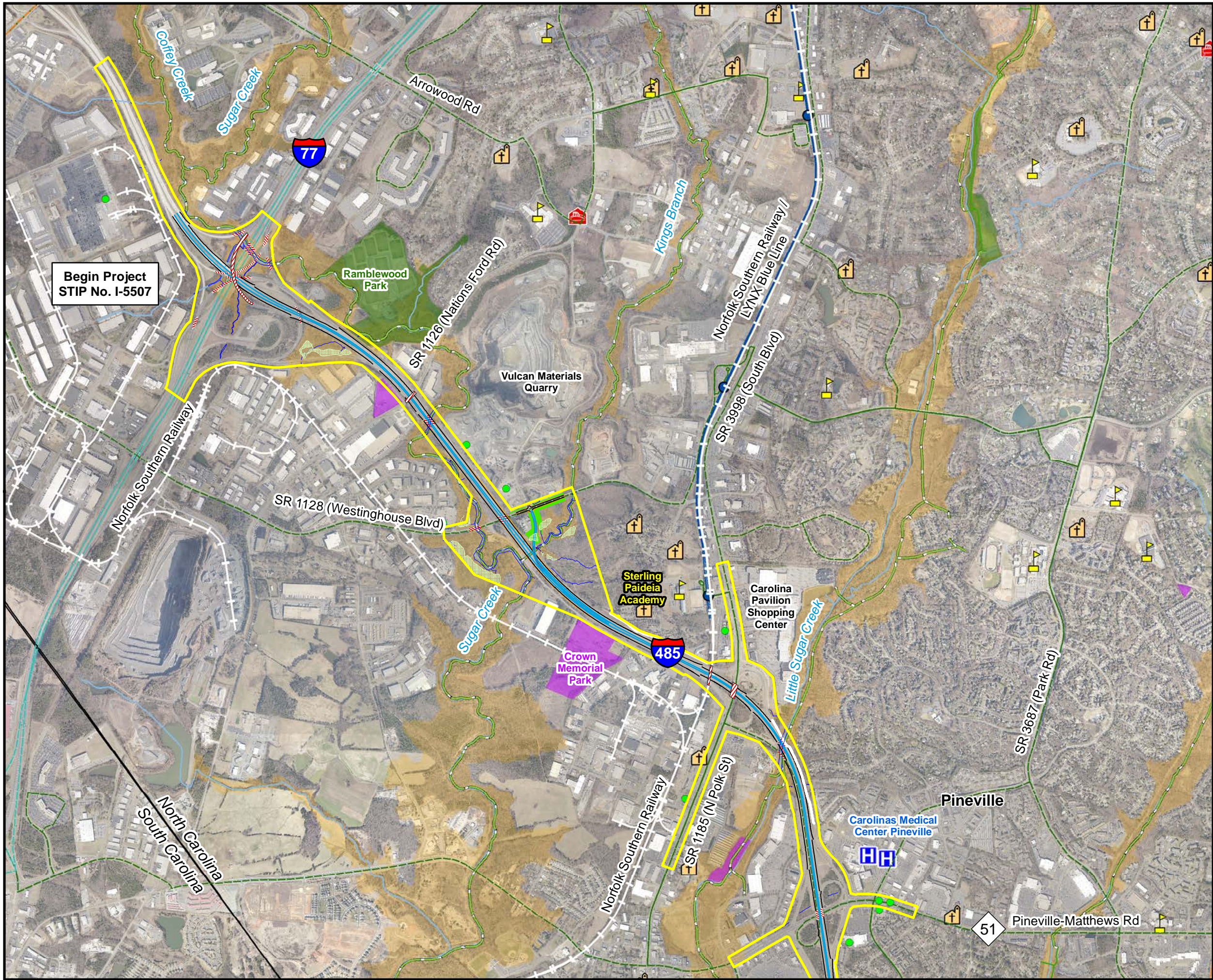
**Study Corridor**  
I-5507



**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

STIP No. I-5507  
Division: 10

**Figure: 1**  
Vicinity Map  
August 2018



Begin Project  
STIP No. I-5507

**Legend**


- I-5507 Project Study Area
- CATS Bus Route**
- Regional Express
- Express
- Local
- LYNX Blue Line Stations
- LYNX Blue Line
- Railroad
- ▲ School
- ✚ Church
- ✚ Fire Station
- H Hospital
- Hazardous Waste Site
- Cemetery
- Park
- Wetlands
- Jurisdictional Stream
- Creek & Stream
- Existing Greenway
- Proposed Greenway
- Proposed Express Lane
- Existing Noise Wall
- Existing Edge of Pavement
- Proposed Edge of Pavement
- Proposed Right-of-Way
- FEMA 100 Year Floodplain


0 1,000 2,000 4,000  
Feet



**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

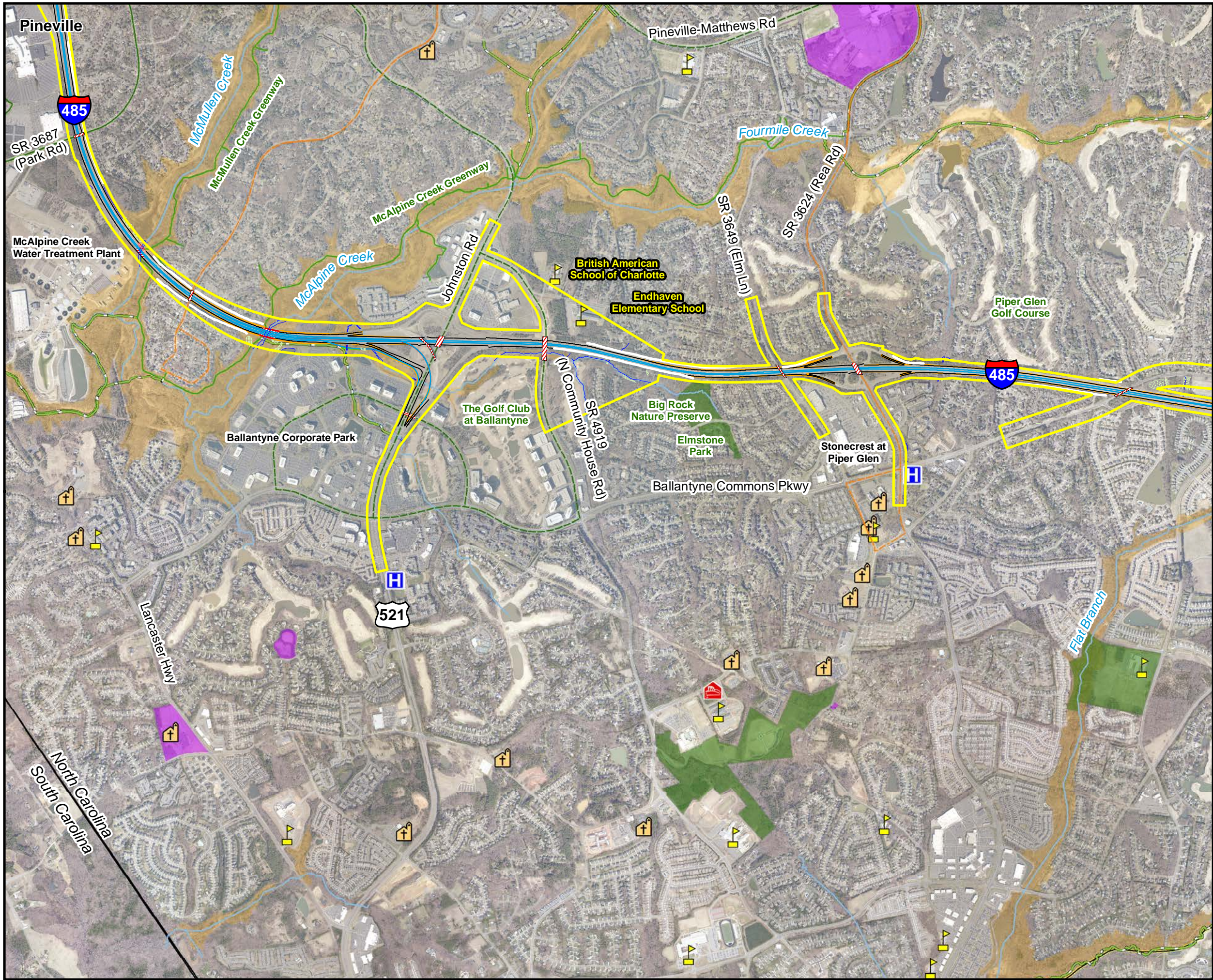
Division 10      STIP No: I-5507





August 2018

**Figure 2: Study Area**  
Sheet 1 of 4



**Legend**

- I-5507 Project Study Area
- CATS Bus Route**
- Express
- Local
- School
- Church
- Fire Station
- Hospital
- Cemetery
- Park
- Wetlands
- Jurisdictional Stream
- Creek & Stream
- Existing Greenway
- Proposed Greenway
- Proposed Express Lane
- Existing Noise Wall
- Existing Edge of Pavement
- Proposed Edge of Pavement
- Proposed Right-of-Way
- FEMA 100 Year Floodplain

0 1,000 2,000 4,000 Feet

Mecklenburg County

**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

Division 10      STIP No: I-5507

**RS&H**

August 2018

**Figure 2: Study Area**  
Sheet 2 of 4



**Legend**

- I-5507 Project Study Area
- CATS Bus Route**
  - Express
  - Local
- School
- Church
- Fire Station
- Hazardous Waste Site
- Cemetery
- Park
- Wetlands
- Jurisdictional Stream
- Creek & Stream
- Proposed Greenway
- Proposed Express Lane
- Existing Noise Wall
- Existing Edge of Pavement
- Proposed Edge of Pavement
- FEMA 100 Year Floodplain

0 1,000 2,000 4,000 Feet

Mecklenburg County

**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

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STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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**Figure 2: Study Area**  
Sheet 3 of 4



**Legend**

- I-5507 Project Study Area
- CATS Bus Route**
  - Regional Express
  - Express
  - Local
- Railroad
- School
- Church
- Hospital
- Hazardous Waste Site
- Cemetery
- Wetlands
- Jurisdictional Stream
- Creek & Stream
- Existing Greenway
- Proposed Greenway
- Proposed Express Lane
- Existing Noise Wall
- Existing Edge of Pavement
- FEMA 100 Year Floodplain

0 1,000 2,000 4,000 Feet

Mecklenburg County

**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

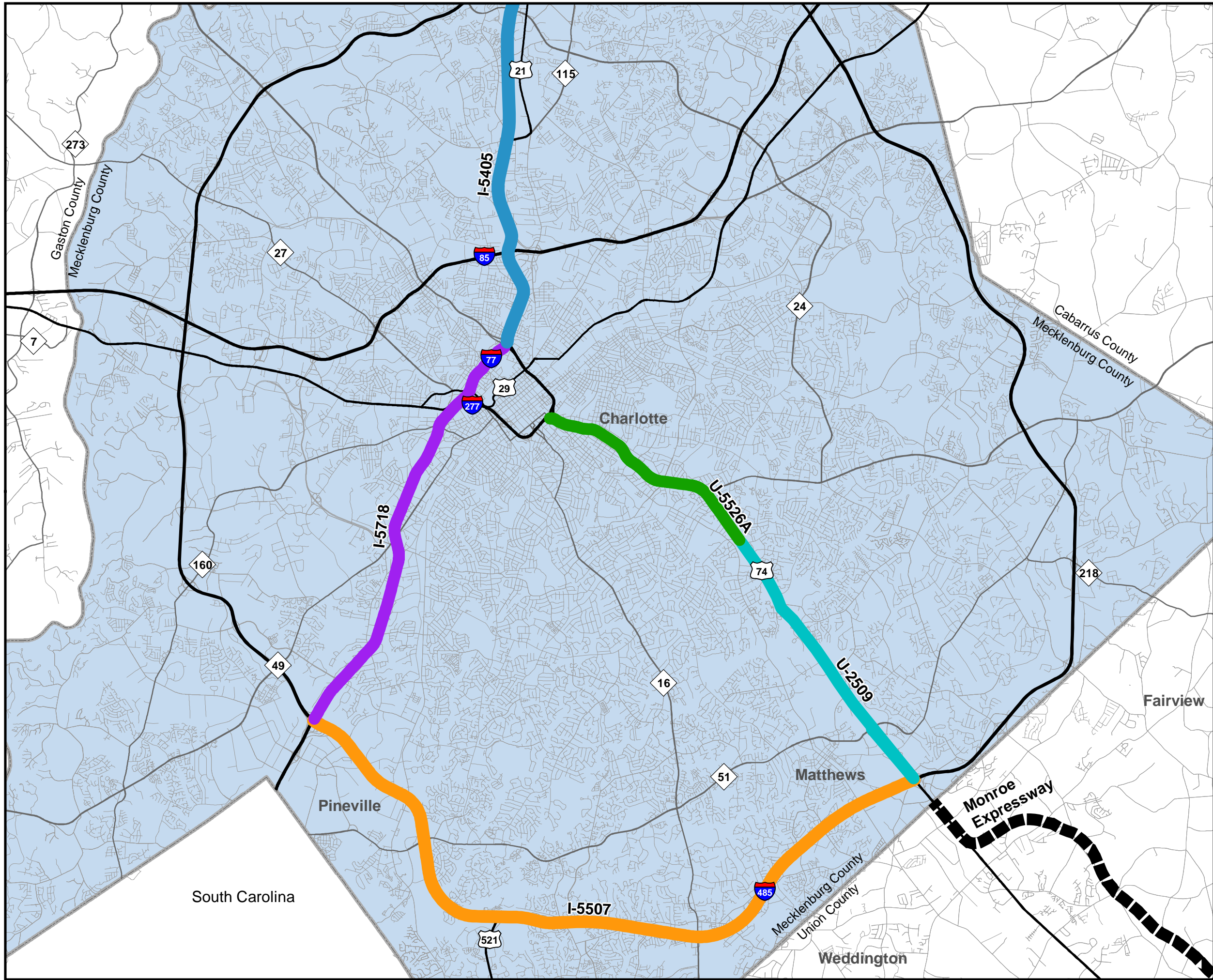
Division 10 | STIP No: I-5507

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

**RS&H**

August 2018

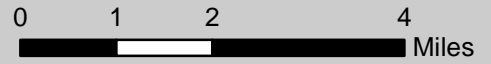
**Figure 2: Study Area**  
Sheet 4 of 4



**Legend**

**STIP Express Lanes**

- I-5405
- I-5718
- U-5526A
- U-2509
- I-5507



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

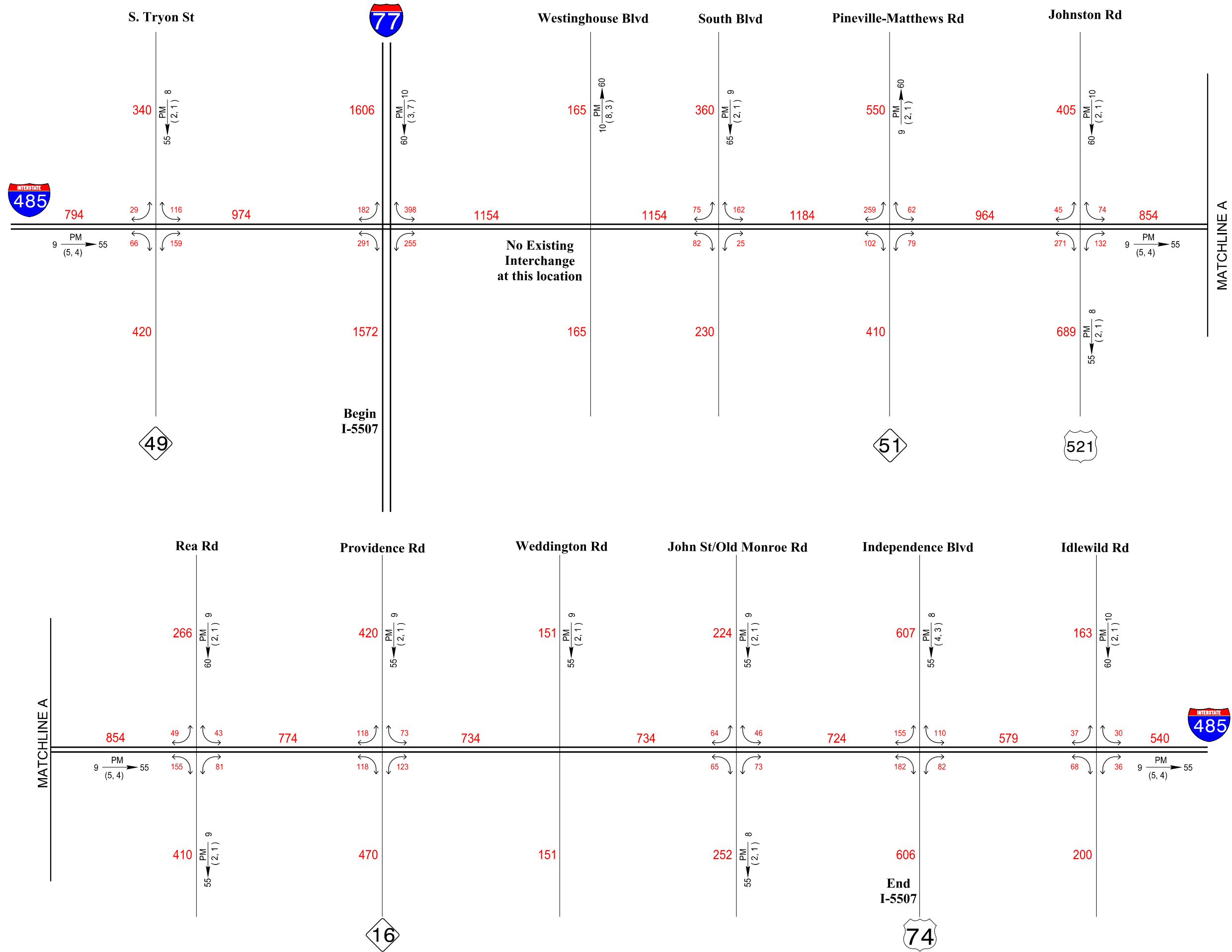
Division 10

STIP No: I-5507



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**Figure 3: Regional Express Lane Projects**



**LEGEND**

DHV  $\xrightarrow{\text{PM}}$  D  
(d,t)

000 No. of Vehicles Per Day in 100's  
 DHV Design Hourly Volume (%)  
 D Peak Hour Directional Split (%)  
 PM PM Peak Period  
 → Direction of D  
 (d,t) Duals, TT-ST's (%)

Mecklenburg County, Div. 10

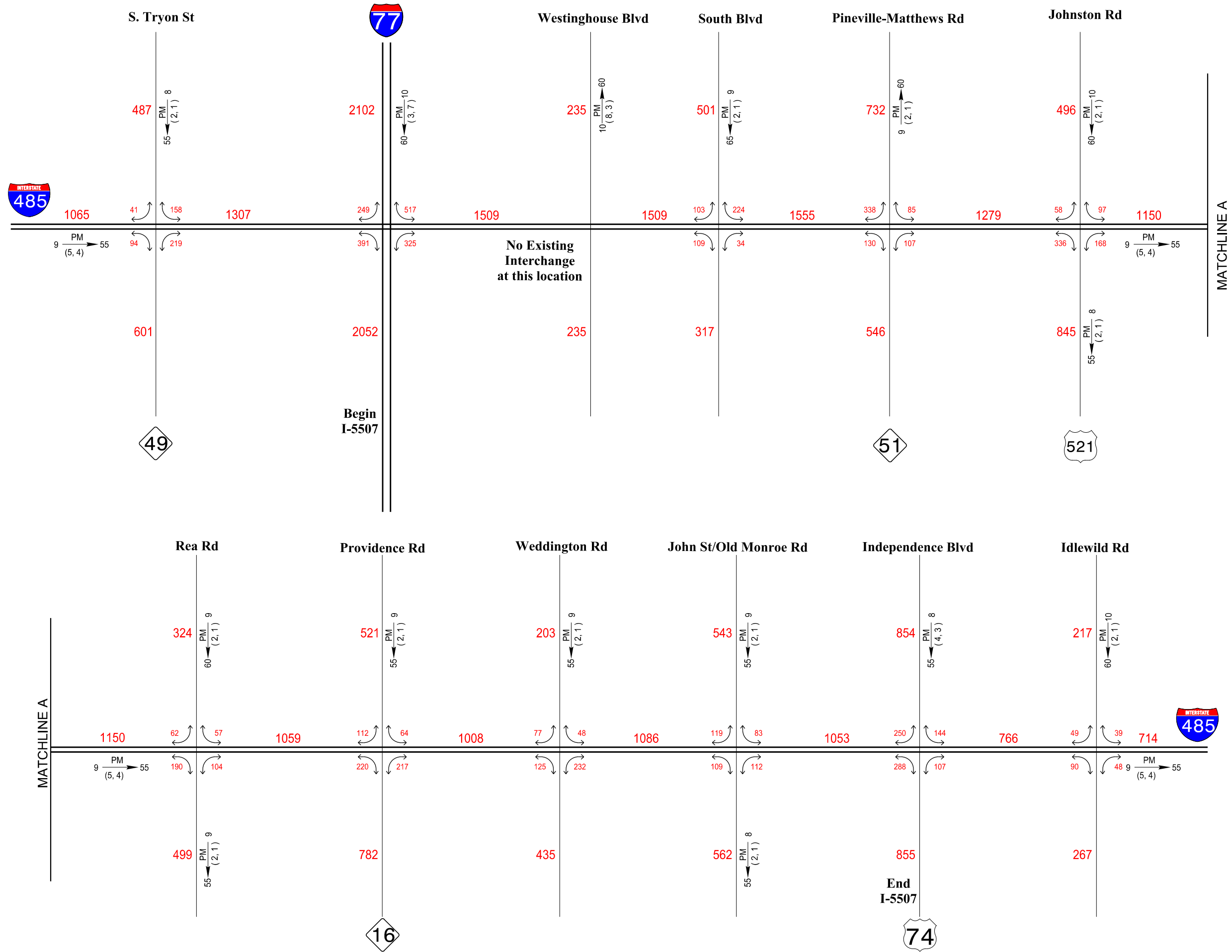
I-485 Express Lanes  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10	STIP No: I-5507
-------------	-----------------

August 2018

**Figure 4A:**  
**2015 Existing AADTs**

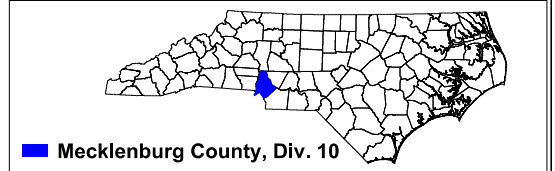




**LEGEND**

DHV  $\xrightarrow{\text{PM}}$  D  
(d,t)

000 No. of Vehicles Per Day in 100's  
 DHV Design Hourly Volume (%)  
 D Peak Hour Directional Split (%)  
 PM PM Peak Period  
 → Direction of D  
 (d,t) Duals, TT-ST's (%)

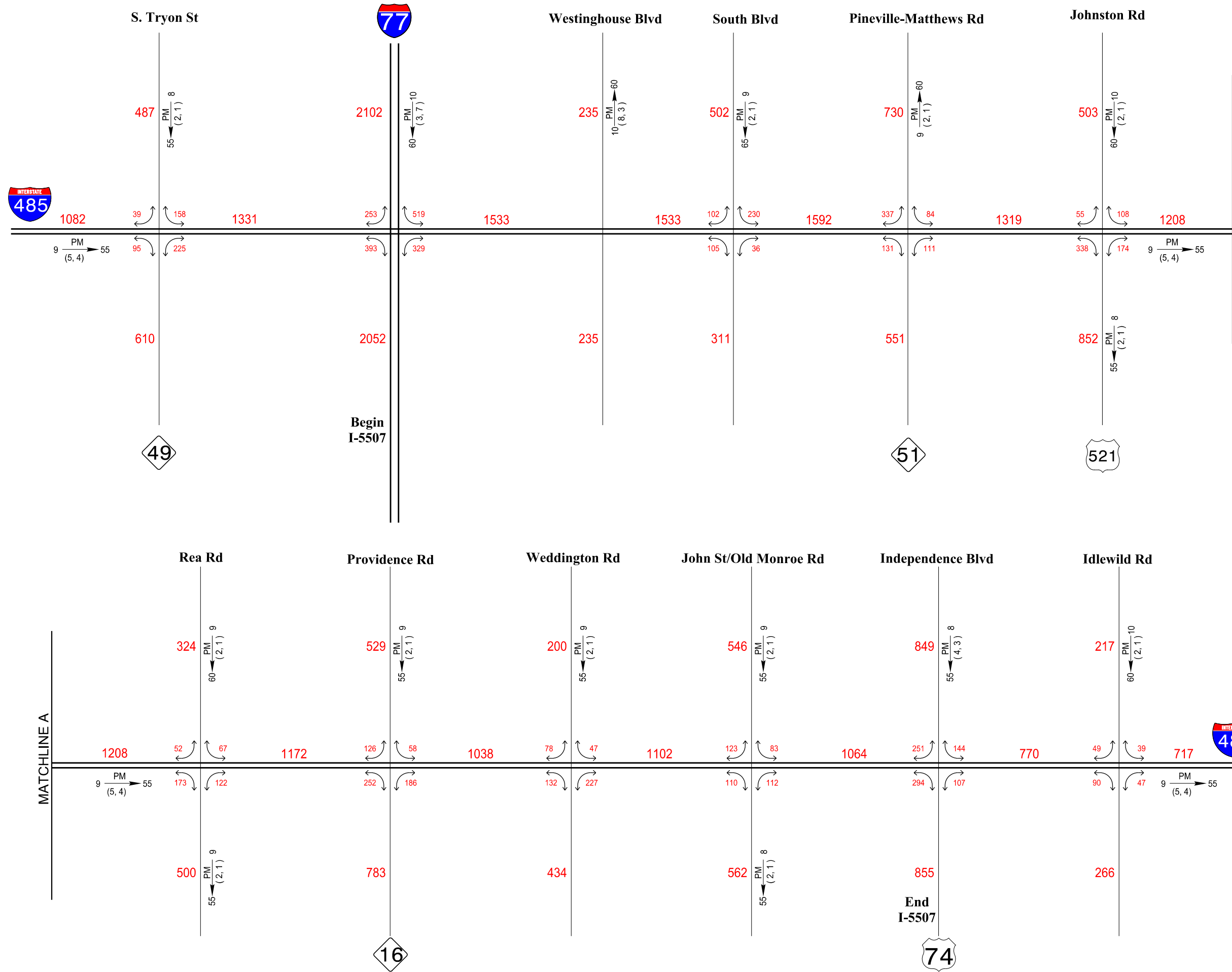


I-485 Express Lanes  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

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**Figure 4B: 2040 Future (No Build) AADTs**



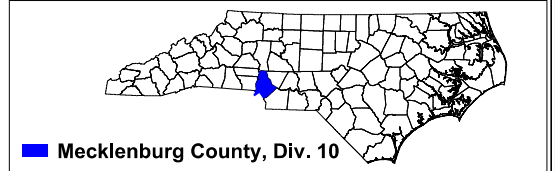
**LEGEND**

DHV  $\frac{PM}{(d,t)}$  → D

000 No. of Vehicles Per Day in 100's  
 DHV Design Hourly Volume (%)  
 D Peak Hour Directional Split (%)  
 PM PM Peak Period  
 → Direction of D  
 (d,t) Duals, TT-ST's (%)

**Notes:**

- The 2040 Future (Build Alternatives 1 & 2) AADTs currently shown are DRAFT and pending NCDOT TPB approval.
- Based on the Travel Demand Model, it was determined that the corridor AADTs would be the same for both Build Alternatives 1 and 2.

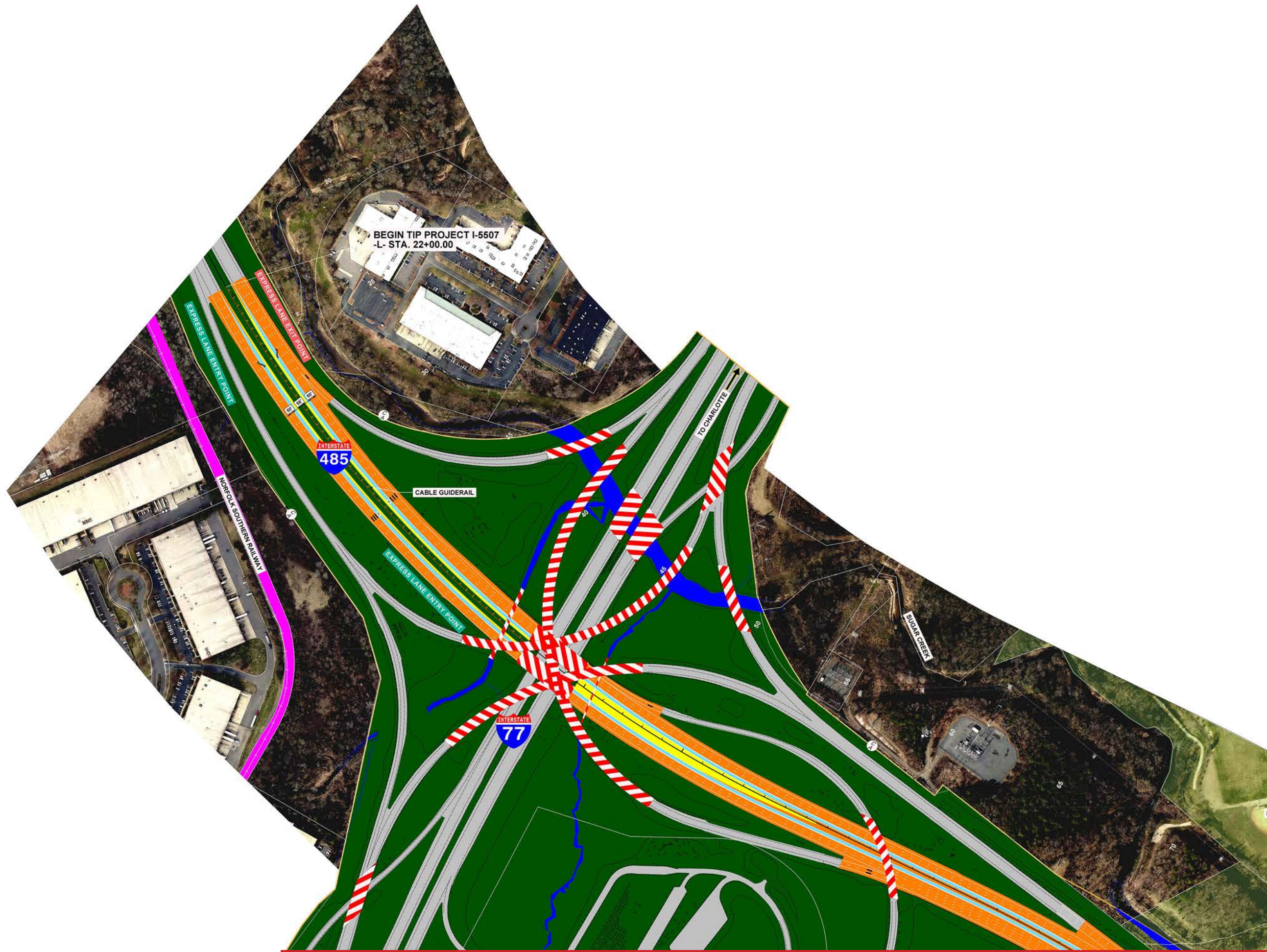


I-485 Express Lanes  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507

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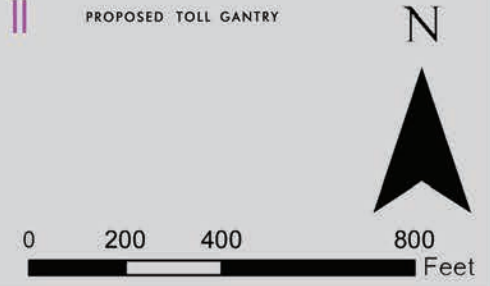
**Figure 4C: 2040 Future (Build Alts 1 & 2) AADTs**



MATCHLINE SHEET 2

**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
- CEMETERIES
- POTENTIAL NOISE ABATEMENT AREA
- WETLANDS
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED EXPRESS LANE
- PROPOSED STRUCTURE, ISLAND, CURB AND GUTTER, BARRIER
- FUTURE ROADWAY
- EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE RETAINED
- EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE REMOVED
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PARKS
- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
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













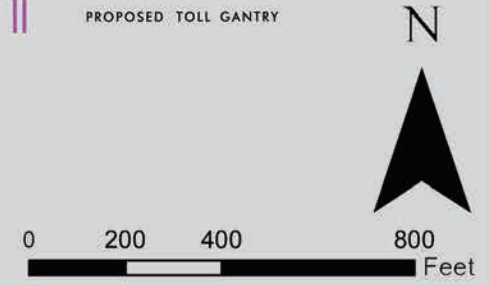
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**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 1 of 20



**LEGEND**

-  EXISTING RIGHT OF WAY
-  PROPOSED RIGHT OF WAY
-  SLOPE STAKES
-  PROPOSED CONTROL OF ACCESS
-  EXISTING CONTROL OF ACCESS
-  PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
-  RAILROAD RIGHT OF WAY
-  EXISTING UTILITY EASEMENT
-  CEMETERIES
-  POTENTIAL NOISE ABATEMENT AREA
-  WETLANDS
-  EXISTING ROADWAY
-  EXISTING ROADWAY TO BE REMOVED
-  EXISTING ROADWAY TO BE RESURFACED
-  PROPOSED ROADWAY
-  PROPOSED EXPRESS LANE
-  PROPOSED STRUCTURE, ISLAND, CURB AND GUTTER, BARRIER
-  FUTURE ROADWAY
-  EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE RETAINED
-  EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE REMOVED
-  EXISTING TRAFFIC SIGNAL
-  PROPOSED TRAFFIC SIGNAL
-  PARKS
-  LAKES, RIVERS, STREAMS AND PONDS
-  DESIGN STUDY AREA BOUNDARY
-  EXPRESS LANE
-  GENERAL PURPOSE LANE
-  EXPRESS LANE ENTRY POINT
-  EXPRESS LANE EXIT POINT
-  PROPOSED TOLL GANTRY



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 Charlotte, NC

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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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MATCHLINE SHEET 2



MATCHLINE SHEET 4

### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
- CEMETERIES
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- WETLANDS
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- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PARKS
- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



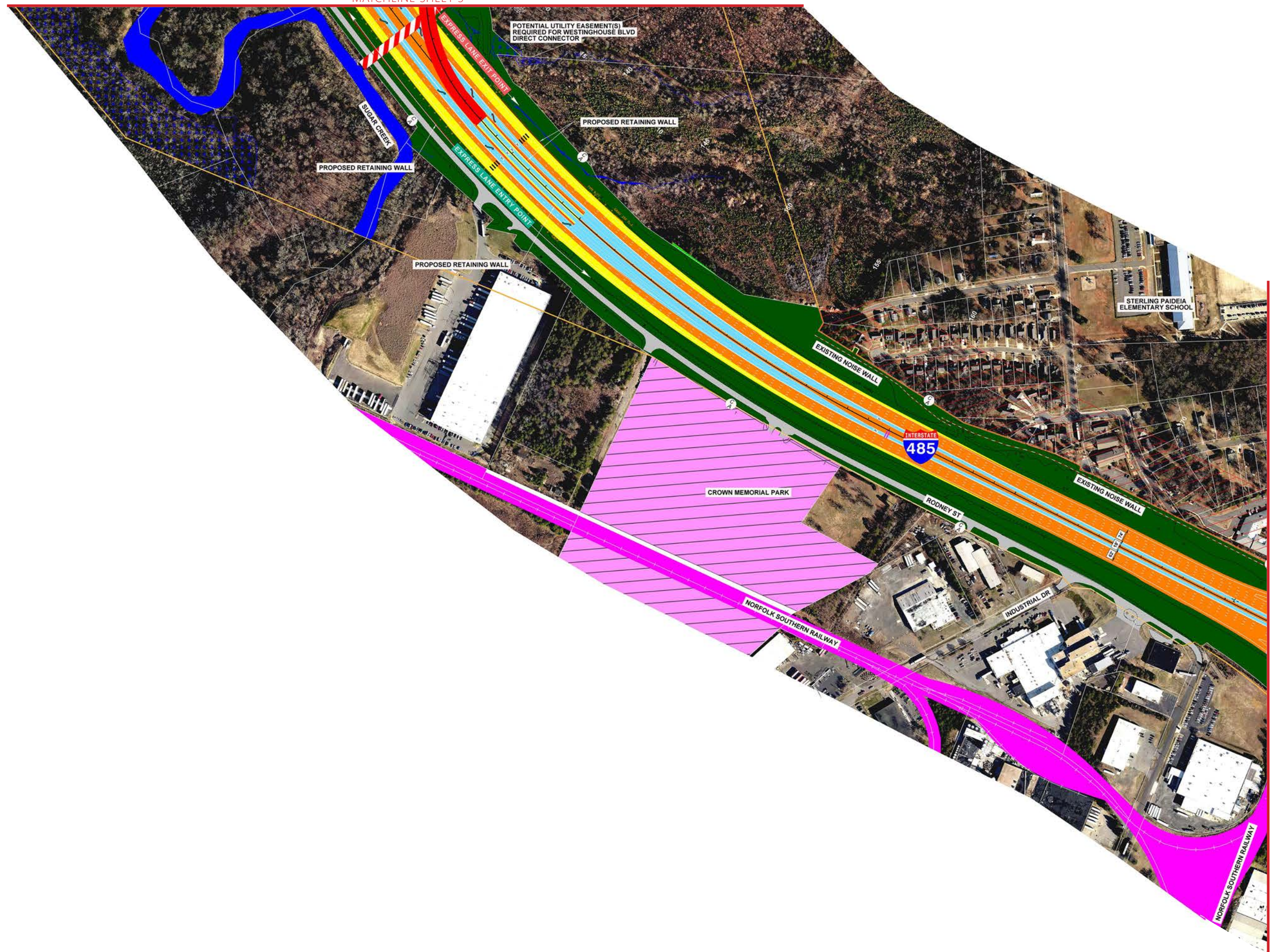
**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507



August 2018

**Figure 5: Detailed Study Area Map (Alternative 2)**  
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LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
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- EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE REMOVED
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- PROPOSED TRAFFIC SIGNAL
- PARKS
- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY

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**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507



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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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MATCHLINE SHEET 4



MATCHLINE SHEET 6

### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
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- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PARKS
- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507



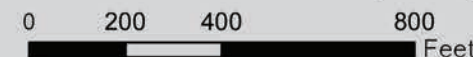
August 2018

**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 5 of 20



LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
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- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507



August 2018

**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 6 of 20

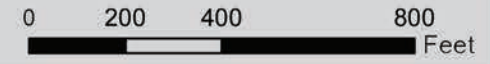




LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
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- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY

N



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10

STIP No: I-5507



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**Figure 5: Detailed Study Area Map**  
 (Alternative 2)  
 Sheet 7 of 20



LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
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- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10      STIP No: I-5507

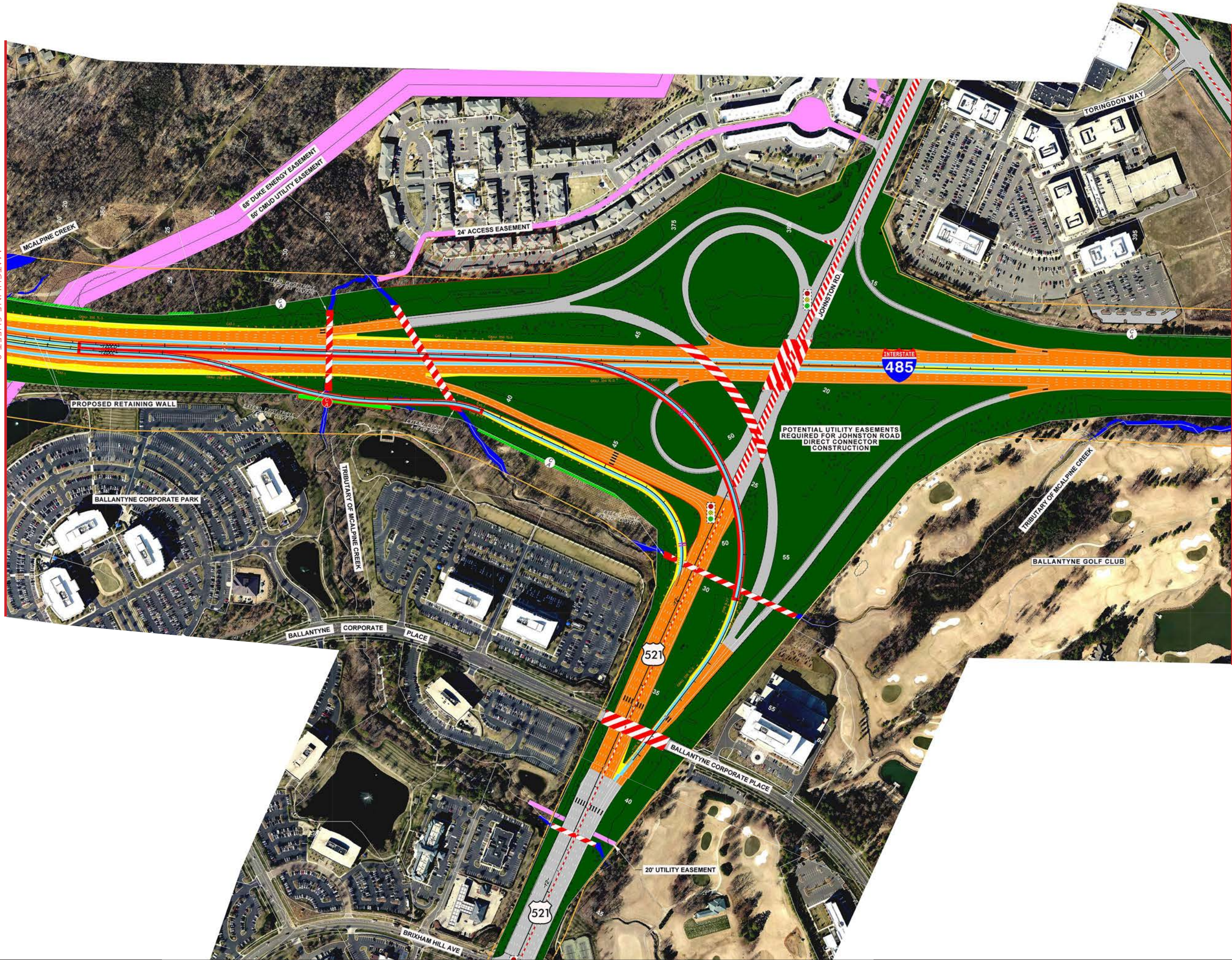


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**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 8 of 20

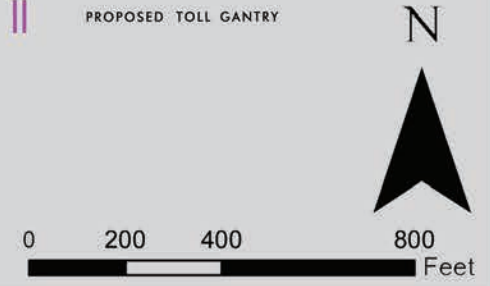
MATCHLINE SHEET 8

MATCHLINE SHEET 10



### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
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- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
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- POTENTIAL NOISE ABATEMENT AREA
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- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED EXPRESS LANE
- PROPOSED STRUCTURE, ISLAND, CURB AND GUTTER, BARRIER
- FUTURE ROADWAY
- EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE RETAINED
- EXISTING STRUCTURE, ISLAND, NOISE WALL, CURB AND GUTTER, BARRIER TO BE REMOVED
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PARKS
- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

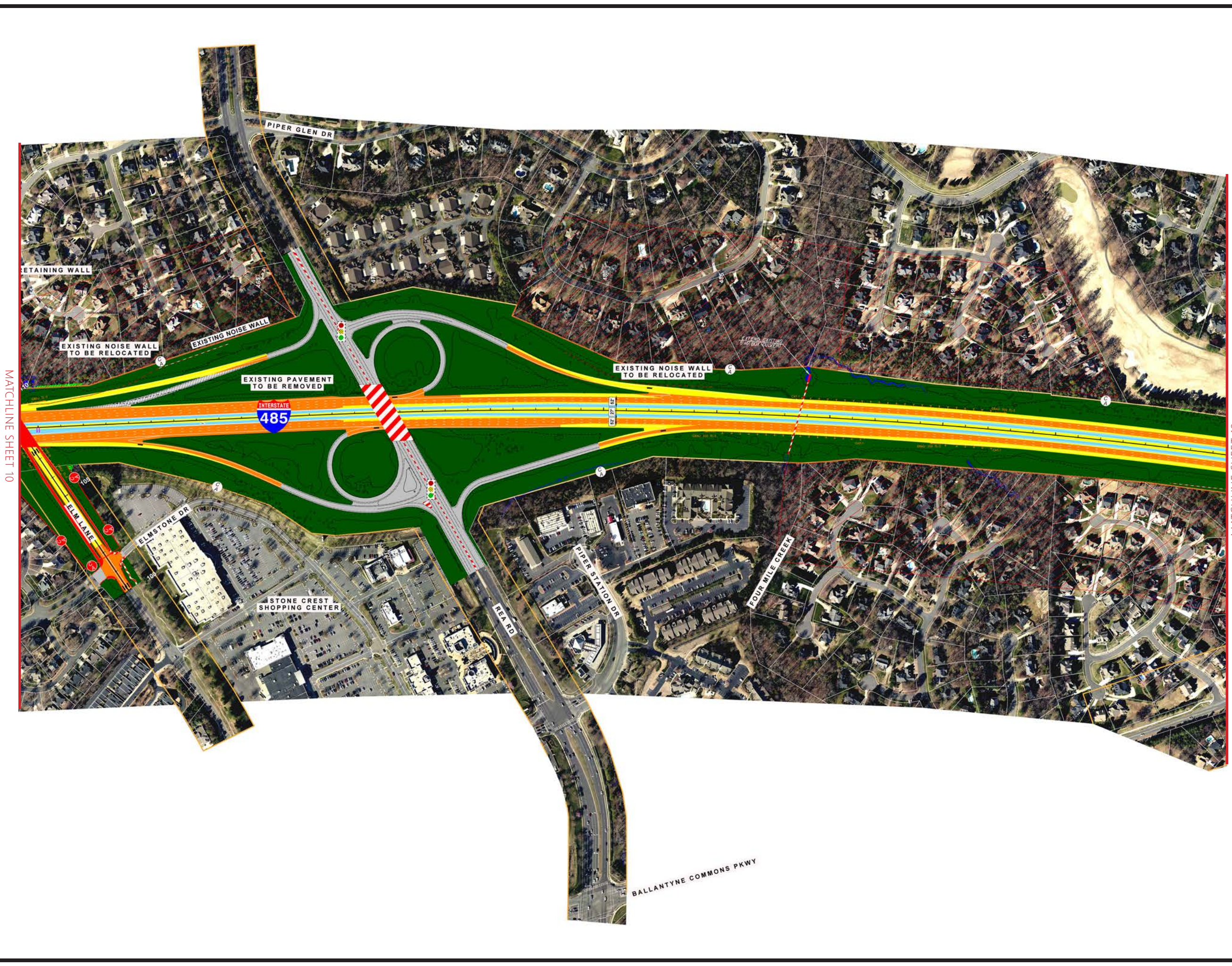
Division 10

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**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 10 of 20

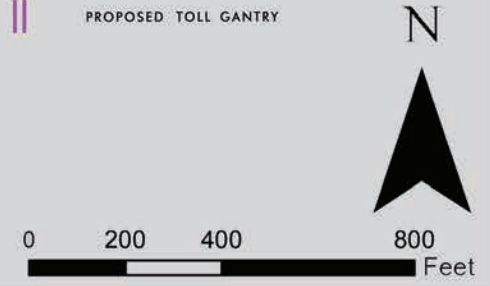


MATCHLINE SHEET 10

MATCHLINE SHEET 12

**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
- CEMETERIES
- POTENTIAL NOISE ABATEMENT AREA
- WETLANDS
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
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- PROPOSED TOLL GANTRY



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**Figure 5: Detailed Study Area Map (Alternative 2)**  
 Sheet 11 of 20

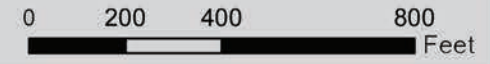
MATCHLINE SHEET 11



MATCHLINE SHEET 13

### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
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- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
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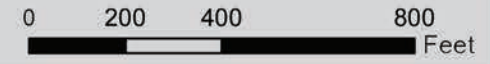
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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
- CEMETERIES
- POTENTIAL NOISE ABATEMENT AREA
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- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

Division 10































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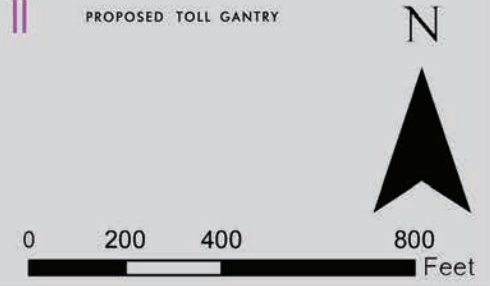


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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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LEGEND

-  EXISTING RIGHT OF WAY
-  PROPOSED RIGHT OF WAY
-  SLOPE STAKES
-  PROPOSED CONTROL OF ACCESS
-  EXISTING CONTROL OF ACCESS
-  PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
-  RAILROAD RIGHT OF WAY
-  EXISTING UTILITY EASEMENT
-  CEMETERIES
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-  EXISTING ROADWAY
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-  PARKS
-  LAKES, RIVERS, STREAMS AND PONDS
-  DESIGN STUDY AREA BOUNDARY
-  EXPRESS LANE
-  GENERAL PURPOSE LANE
-  EXPRESS LANE ENTRY POINT
-  EXPRESS LANE EXIT POINT
-  PROPOSED TOLL GANTRY



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MATCHLINE SHEET 15

MATCHLINE SHEET 13



**Figure 5: Detailed Study Area Map (Alternative 2)**  
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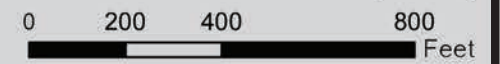
MATCHLINE SHEET 14

MATCHLINE SHEET 14

LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
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- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY

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**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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MATCHLINE SHEET 17

### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
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- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY

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**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
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STIP No: I-5507



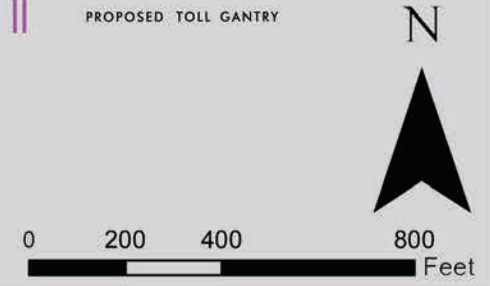
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**Figure 5: Detailed Study Area Map**  
 (Alternative 2)  
 Sheet 16 of 20



LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
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- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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MATCHLINE SHEET 19

MATCHLINE SHEET 17

**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
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- EXPRESS LANE
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- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
 I-77 to US 74 (Independence Blvd)  
 Charlotte, NC

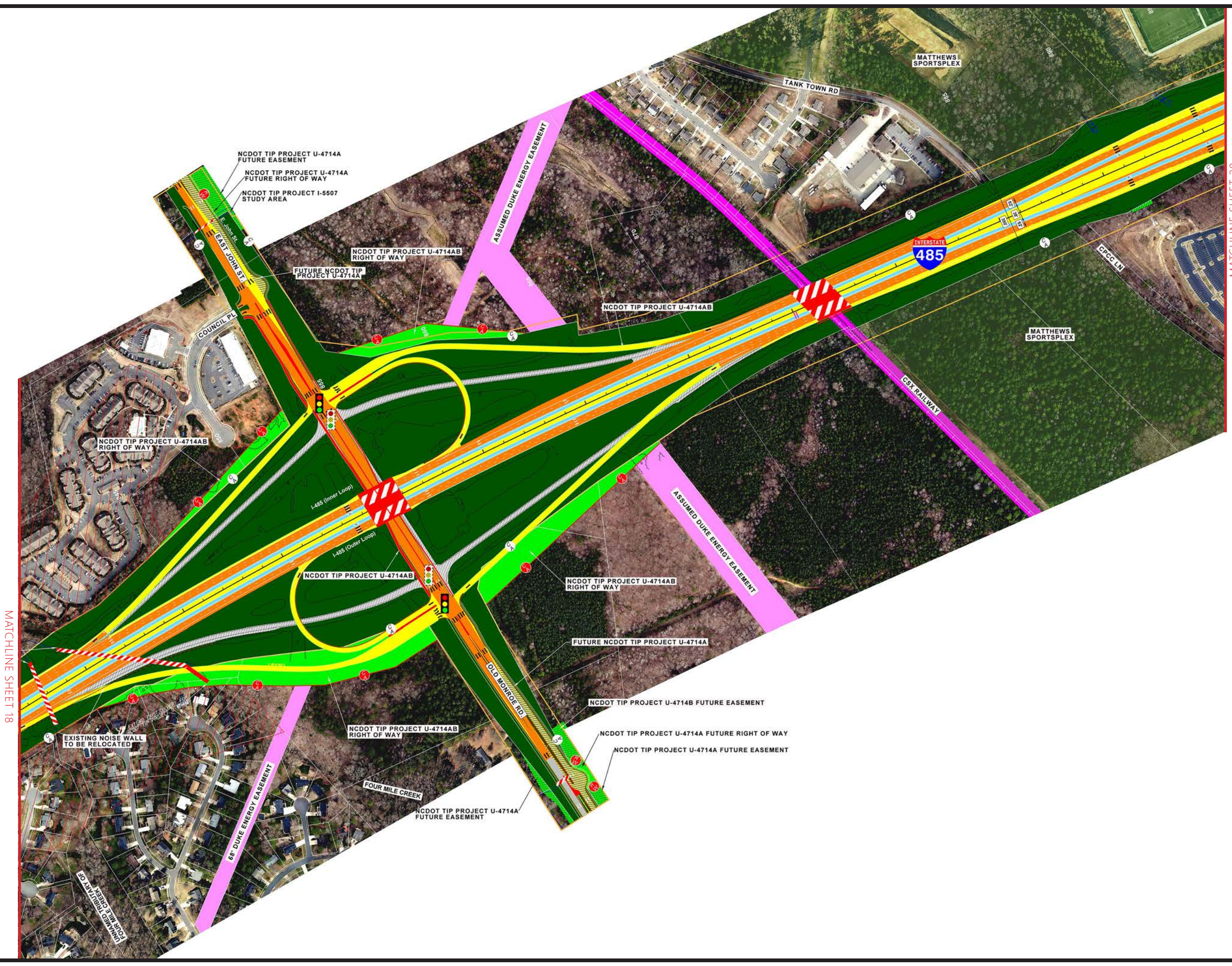
Division 10

STIP No: I-5507



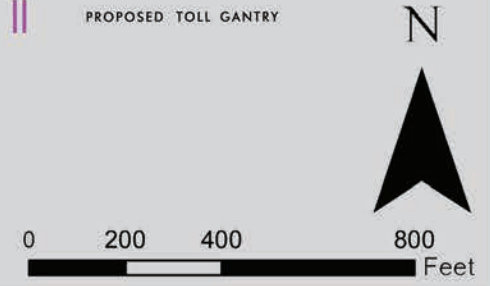
August 2018

**Figure 5: Detailed Study Area Map**  
 (Alternative 2)  
 Sheet 18 of 20



**LEGEND**

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- RAILROAD RIGHT OF WAY
- EXISTING UTILITY EASEMENT
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- WETLANDS
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- LAKES, RIVERS, STREAMS AND PONDS
- DESIGN STUDY AREA BOUNDARY
- EXPRESS LANE
- GENERAL PURPOSE LANE
- EXPRESS LANE ENTRY POINT
- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



**I-485 Express Lanes**  
**I-77 to US 74 (Independence Blvd)**  
**Charlotte, NC**

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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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MATCHLINE SHEET 18

MATCHLINE SHEET 20

MATCHLINE SHEET 19



### LEGEND

- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- SLOPE STAKES
- PROPOSED CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
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- EXPRESS LANE EXIT POINT
- PROPOSED TOLL GANTRY



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**Figure 5: Detailed Study Area Map (Alternative 2)**  
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## Typical Section for Existing I-485 from I-77 to Johnston Road



## Typical Section for Proposed I-485 from I-77 to Johnston Road



Not to Scale



**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

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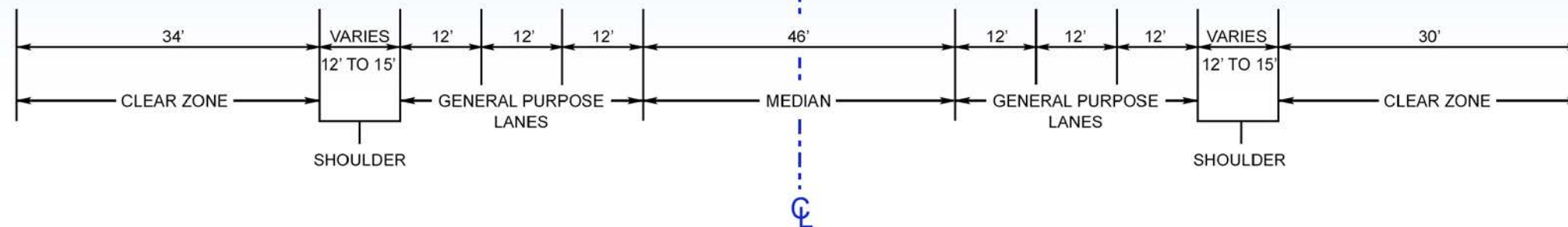
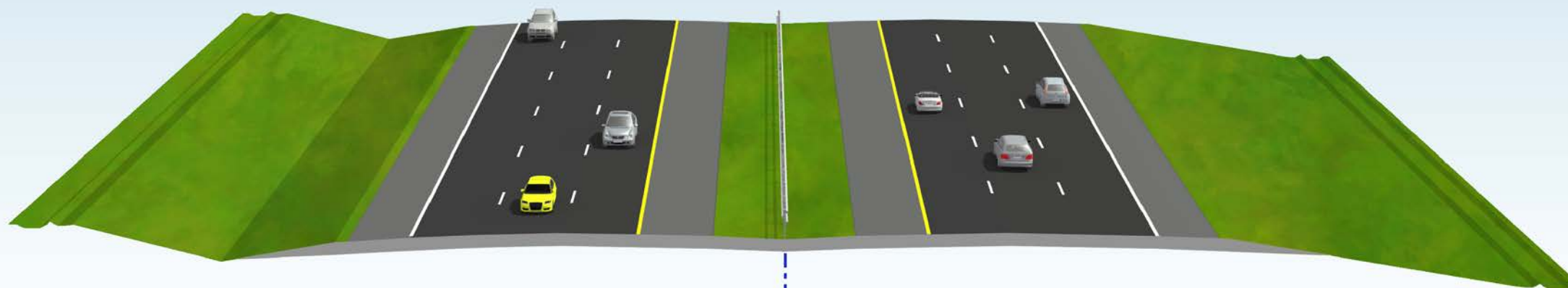
**RS&H**

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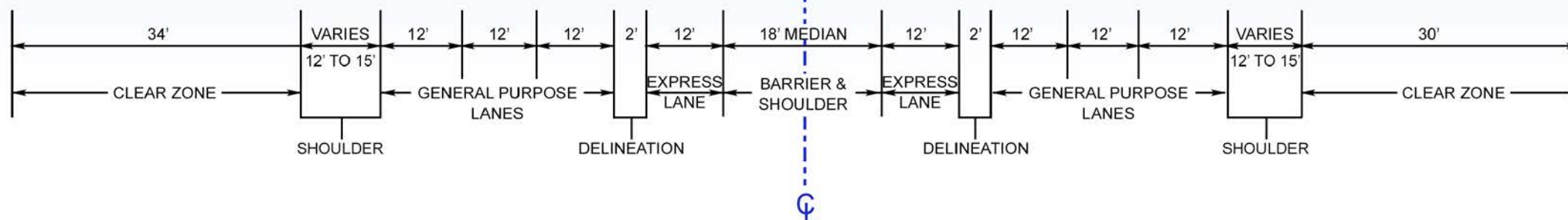
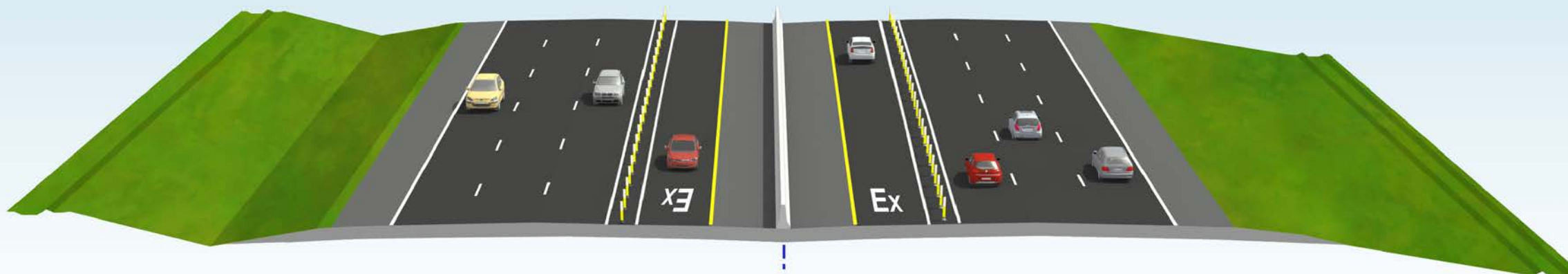
**Figure 7: Existing and Proposed Typical Sections**  
Sheet 1 of 5



## Typical Section for Existing I-485 from Johnston Road to Rea Road



## Typical Section for Proposed I-485 from Johnston Road to Rea Road



Not to Scale



**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
Charlotte, NC

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**Figure 7: Existing and Proposed Typical Sections**  
Sheet 2 of 5

## Typical Section for Existing I-485 from Rea Road to Providence Road



## Typical Section for Proposed I-485 from Rea Road to Providence Road



Not to Scale



**I-485 Express Lanes**  
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**Figure 7: Existing and Proposed Typical Sections**  
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## Typical Section for Existing I-485 from Providence Road to US 74



## Typical Section for Proposed I-485 from Providence Road to US 74



Not to Scale



**I-485 Express Lanes**  
I-77 to US 74 (Independence Blvd)  
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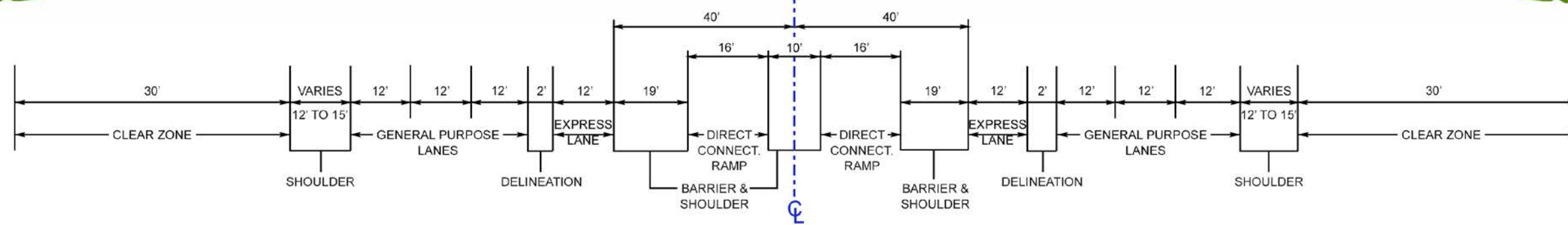
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**Figure 7: Existing and Proposed Typical Sections**  
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# Typical Section for I-485 Proposed Direct Connector



Not to Scale



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**Figure 7: Proposed Typical Section**  
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