



## Transportation Project Status March 15, 2018

### ***Current as of March 15, 2018***

*Below is the current status of the project currently proposed or underway. Please note that all completion dates are tentative and are highly dependent on weather conditions. Portions changed since December 2017 are highlighted in yellow.*

*Note: All projects with FY in their date are based on the Federal Fiscal Year, which runs from October 1 of the previous year to September 30 of its listed year.*

### **Current Projects**

**Idlewild and Hwy. 51 Roundabout (U-5115)**- NCDOT project. Construction began on June 19, 2017 and required the closing of the intersection starting June 23. Intersection was opened August 26 and is substantially complete. Matthews and Mint Hill are partnering to add gateway signs and landscaping to the center of the island and lighting for the entire project. We are currently going through the approval process with NCDOT. The landscaping portion of the project is expected to be done in the spring of 2018. The roundabout was designed to accommodate the future widening of NC 51 (U-5007). Construction estimates were around \$1.6M. Matthews and Mint Hill were originally responsible for a combined 20% match (estimated at \$162,500 each), plus the cost of additional amenities such as lighting, gateway signs, etc.; and any cost overruns. Bids opened on June 7, 2017 were higher than estimated, at \$1,849,140.10. This increased the Town's share of the cost by \$57,500, for a total Town commitment of \$220,000. This increase was approved by the Town Board at their June 12 meeting. More information on roundabouts can be found in this [NCDOT brochure](#).

**Monroe Expressway (R-3329/R-2559)**- NCDOT project. This \$840 million, 19.5 mile project is an all-toll facility from U.S. 74 east of I-485 in Mecklenburg County to U.S. 74 between Wingate and Marshville in Union County. Clearing has been completed and grading/construction is underway. The current completion date is the end of 2018. NCDOT has more information about the project [here](#). CRTPO has additional information on their [website](#).

**2017 Pavement Preservation Program**- Matthews project. Several pavement preservation techniques are being used on various local roads to extend their life. The first project was using a rejuvenator on newer roads throughout town. This portion was completed in the fall of 2017. The second project will add a high-density mineral bond to roads a few years old. These will help to keep the roads in good condition. The application of HA5 high-density mineral bond will start June 2018.

**Downtown Sidewalk Projects**- Matthews project. The Town received a \$500,000 grant from the NC General Assembly toward new sidewalks. Design is underway to construct a wide sidewalk on Matthews-Mint Hill Road from the Novant Health entrance to North Trade Street. Another section of sidewalk under design is along West John Street from Ames Street to Irwin Lane. Construction on these projects is anticipated spring 2018.

**Reverdy Signal**- Private developer project. As part of the Carmel Baptist Church expansion project, they are adding a signal to Reverdy Lane at NC 51. Signal installation is anticipated in early 2018. Charlotte is overseeing this project and will maintain the signal.

**South Trade Street Widening at Culvert (U-5804B)**- NCDOT Project. This project will widen South Trade Street to 4 lanes between Chaphyn Lane and Weddington Road and lengthen the culvert under South Trade Street in this area. Due to the new flood plain maps being released and the CLOMAR expiration, this project had to go back through environmental review process. The project was let on December 6, 2017, with the lowest responsible bid of just under \$3M. Construction has started and the project should be completed by the end of 2018. This is an NCDOT project.

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### Future Projects

**South Trade Street Greenway/Tunnel (EB-5829)**- Mecklenburg County Project. An additional project will build a pedestrian tunnel and greenway connection under South Trade Street, adjacent to the culvert. STP-DA funding for the pedestrian tunnel and associated greenway path was approved by the CRTPO at its August 2016 meeting. The pedestrian tunnel and greenway will be constructed separately from the culvert widening, but should only cause minimal traffic delays. The cost for the new 14' tunnel and greenway is estimated at **\$1.9M**, and will be funded by NCDOT, Mecklenburg County **and Matthews (\$125k)**. Construction is estimated to begin in early 2019 and be completed that year.

**Weddington Road/I-485 Interchange (R-0211EC)**- NCDOT project. This will add an interchange at Weddington Road and I-485 and will also improve a section of Weddington Road. Due to additional funding from HB 97 in the TIP, the project is now funded fully from the TIP and will be built as part of the I-485 Express Lanes (I-5507) project (see below for more information). Design and construction may begin as early as **2018 or as late as 2021**, depending on the contractor's direction of operation. Project estimate is \$20M. Town is responsible for sidewalk costs, estimated at **\$400k**. More information about the project can be found on the [CRTPO website](#).

**I-485 Express Lanes (I-5507)**- NCDOT project. New express lane in each direction from I-77 to US 74. This is a design-build project with design, ROW and construction in FY18. Completion in FY21. Project estimate is \$203M. This project now includes adding the Weddington Road Interchange (R-0211EC) and enhancements to the John Street interchange and will add an additional auxiliary lane in each direction from Weddington Road to John Street. NCDOT has more information about the project [here](#). Click for the I-485 Express Lanes Public Hearing Map of this area.

**I-485 Pavement Rehabilitation** NCDOT project between Idlewild Road and U.S. 74 - Two projects (**I-5748 and I-5827**) propose to resurface both directions of I-485 in this area. The first project is funded for FY16 for \$500,000 and has been completed. The second is funded for FY19 for \$3 million.

**NCDOT Roadway Resurfacing**- NCDOT will resurface the following sections of roads in Matthews over the next fiscal year (all locations are approximate): NC 51 Matthews-Mint Hill Rd from Phillips Rd to Idlewild Rd; Stallings Rd from Union County line to Idlewild Rd; Phillips Rd from Stallings Rd to Mt. Harmony Rd; Mt. Harmony Rd from Phillips Rd to US 74; Independence Commerce Dr from US 74 to Mt Harmony Rd; CPCC Ln from US 74 to Campus Ridge Rd.

**Sam Newell Road Intersection Improvements (C-5613D)**- NCDOT project will **add dual left turns from NC51 onto Sam Newell Road and North Trade Street** and add an additional lane on Sam Newell Road/North Trade Street on both approaches to NC51. This project is estimated at \$600k and will be funded with Congestion Mitigation Air Quality (CMAQ) money. **Right-of-way will be purchased in summer of 2018 with construction in spring of 2019.**

**Sam Newell Road Multi-Use Path- Rice Road to Crown Point Elementary (EB-5783)**- Matthews project. Design will begin in **2018**. Project estimate is \$1.2M, with the Town contributing \$260k. Construction with STBG-DA funding in FY19.

**Pleasant Plains Road Multi-Use Path- Trade St. to McKee Rd. (EB-5779)**- Matthews project. Design in 2019. Construction not yet funded. Project estimate has recently been updated to \$1.9M. The Town will contribute 20% of the project costs.

**NC 51 Widening- Sardis Road to E. John St./Monroe Rd. (U-5763)**- NCDOT project. This project will likely widen NC 51 from four to six lanes, including a median and a multi-use path on one side and sidewalk on the other. **It will include intersection improvements at Sardis Road, Fullwood Lane and Monroe Road.** It is currently in the planning stages. ROW in FY18 and construction in **FY21 to FY22**. Project estimate is \$3.9M. The Town is responsible for the cost for the multi-use path and for sidewalk where there currently isn't any.

**US 74 Widening and Express Lanes (U-2509A,B)**- NCDOT project. This project is broken into two segments. Segment A proposes express lanes between Conference Drive and Sardis Road North. Segment B proposes express lanes between Sardis Road North and I-485. Additional general purpose lanes will likely be added as part of the project. The project will include completing the unfinished portions of Krefeld Drive/Northeast Parkway and Independence Pointe Parkway. NCDOT has more information about the project [here](#). The project is currently in the planning stages. Current ROW date is FY20 and construction date is FY21-23. Project estimate for section B is \$207M, with the total project estimate of \$406M. **Matthews will be responsible for some of the pedestrian improvement costs.**

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An additional project (**U-5526**) proposes to add express lanes on U.S. 74 from I-277 to Wallace Lane, with construction starting in FY 2017. More information about the \$17.5 million project can be found [here](#). There is a possibility that construction of U-5526 and U-2509B may be combined for economies of scale.

The most current version of the plans can be downloaded here: [Sheet 1](#), [Sheet 2](#).

**Rice Road Extension** is a project to extend existing Rice Road across Sam Newell Road to the existing Rice Road Extension, which intersects Independence Boulevard. This project is estimated to cost approximately \$350k. Funds for this project have not yet been identified, but this will likely be included as part of the U-2509B project.

**Idlewild Road Widening (U-4913)**- NCDOT project. Widen Idlewild Road from I-485 to Stevens Mill Road. ROW in FY20, construction in FY22 to 23. Project estimate is **\$7.1M**.

**John Street / Old Monroe Road Widening (U-4714)**- NCDOT project. This project is likely to be a 4-lane median divided facility with a multi-use path along the majority of the section through Matthews. This widening project is divided into three segments. Section A is from its intersection with Trade Street in downtown Matthews to I-485. Section B is from I-485 to Waxhaw Indian Trail Road. Section C is from Waxhaw Indian Trail Road to Wesley Chapel-Stouts Road. These have been combined into one project. The design has been modified to take out the superstreet elements between I-485 and John Street. The most recent schedule shows right-of-way acquisitions FY19, and construction in FY21-FY23. The total cost for building these segments is \$87.5M. NCDOT has prepared a [flyer](#) to help explain the design concept for the roadway. More information on the project can be found here at the [NCDOT website](#).

Since the project is receiving federal funds, it is required to have an Environmental Assessment (EA). As part of the EA, the design team held a Charrette session for initial public input on August 27 through 29, 2013 and later public hearings.

[John Street Widening Public Hearing Map A](#)

[John Street Widening Public Hearing Map B](#)

The EA was approved in July 2016. The Town sent our [U-4714 EA Comments](#) to NCDOT on November 11, 2016.

The Town then hired a consultant to help determine how the roadway design might be modified in order to: mitigate speeds through the area; increase bicycle and pedestrian accessibility along and across the corridor; aesthetic treatments for median area; and possible alternative intersection alternatives. The consultant's contract is currently on hold until the larger aspects of the design can be determined.

A public meeting for input on the design was held in the Town Hall Hood Room on January 31, 2017. Please see the [John Street Handout](#) for information on this corridor and to provide input to staff on your thoughts regarding aesthetics and pedestrian safety options.

The consultant presented the results of the public input session and additional project information to the Transportation Advisory Committee (TAC) on February 13, 2017. Please see [East John Street Widening Presentation to TAC 2-16-17](#).

Town staff presented the Board various alternatives to the current design at their Planning Conference on February 24, 2017. Please see [U-4714 Planning Conference Presentation](#). On March 24, 2017, the Town Board passed a [Resolution](#) regarding East John Street, which was sent to NCDOT. NCDOT responded to the Town and agreed to meet to work through various options that might be implemented with the project to meet the project and Town's needs, which resulted in their formal response to the resolution, on June 19, 2017, where they agreed to meet the majority of the Town's requests.

The changes to the design were presented by NCDOT at a public meeting on July 31, 2017. Please see the Town's dedicated web page for more information this project: <http://www.matthewsnc.gov/newsview.aspx?nid=5994>

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**NC 51 Widening- Matthews Township Parkway to Lawyers Road (U-5007)**- NCDOT project to widen from 2 lanes to 4 lanes. ROW in FY21, construction in FY23 to 25. Budget is \$35.7M. Town funding will be needed for a multi-use path on the south side of the road.

**McKee Road Extension (U-4713)**- This project is broken into several segments.

**Segment A (U-4713A)** of this proposed NCDOT project will extend McKee Road 4,000 feet from its existing terminus at Pleasant Plains Road to John Street. The Town Board voted at its April 25, 2016 meeting to obligate \$2M toward this project to increase the probability of it being funded in the TIP as part of the P4.0 process. The money will come from the \$3M the Town is receiving at the first building permit of Erickson's Windsor Run project. The project is funded in the current TIP. Construction estimate is \$9.8M. At Matthews' request, NCDOT accelerated the schedule for this section of roadway. Right-of-Way acquisition will be in FY19 and construction in FY20. **Matthews will be responsible for part of the costs of pedestrian amenities.**

Segment B (U-4713B) of the project was completed in September 2016 (see below for more information).

**Segments C, D and E** are proposed to further extend McKee Road to Independence Boulevard. Section C, which takes the roadway over the CSX rail line is currently unfunded. Section D will likely be built with the development of the adjacent property. Section E is being built as part of the NCDOT Monroe Expressway project (R-3329/R-2559).

**Greylock Ridge Road Extension**- This proposed 2,200 foot long road will connect John Street to the Sportsplex and Family Entertainment District. The preliminary design for the roadway is done. Estimated cost is \$4.6M. The Town voted to purchase a portion of the right-of-way needed for the road **to build the Crestdale Heritage Trail**. No funding has been identified to finalize plans or move toward construction of the road itself.

**North Ames Street Widening**- Widen North Ames Street from West Matthews Street to West Charles Street. Estimated cost is \$600k. No funding has been identified to finalize plans or move toward construction.

**West Charles Street Widening**- Widen West Charles Street from existing widening to Matthews Township Parkway. Preliminary plans have been done. Estimated cost is \$1.15M. No funding has been identified to finalize plans or move toward construction.

**LYNX Silver Line** is a proposed CATS project that will build a rail line between uptown Charlotte and the Matthews area. CATS is currently conducting a rail alternative analysis and transit study, which extends 13.5 miles from Charlotte's City Center to the border of Mecklenburg and Union Counties, including the town of Matthews. The study will define a fixed-rail guideway alignment, provide an interim bus transit strategy that utilized the future Independence Boulevard managed lanes, and develop land development strategies to protect and preserve the fixed guideway alignment.

The Metropolitan Transit Commission (MTC) voted to approve the **LYNX Silver Line Locally Preferred Alternative** (LPA) at their November 2016 meeting and adopted it into the 2030 Transit System Plan. The Charlotte Regional Transportation Planning Organization (CRTPO) voted to include it in the region's Long-Range Transportation Plan **(LRTP)** at their January 18, 2017 meeting.

More information about the study, including maps and a survey for public input can be found at the **LYNX Silver Line Web Page**.

### **Completed Projects**

**South Trade Street Widening (U-5804A)**- Matthews Project. The contract was awarded to Sealand Contractors Corporation for **\$4.2M**. The original completion date was March 19, 2016. This was delayed by utility relocations and other issues. Except for minor repairs, the project is complete and is open to traffic. This is a Town-funded project on an NCDOT road. However, additional work on South Trade Street and Fullwood Lane will continue through several projects over the next year- Plantation Village, Fullwood Station and the South Trade Street Culvert Extension (U-5804B).

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**Matthews-Mint Hill Road Superstreet (U-5511)** near Butler High School – Matthews Project. The contract was awarded to J.T. Russell for \$675k. The Town has committed to \$240k of this plus half of any overruns. The remainder of the funding is from a Federal grant given to the Town. Please note that the multi-use path shown on the conceptual drawing was not able to be constructed due to limited funding. The contractor has installed the storm drainage and begun widening and curb and gutter on the both sides of the road. The project is complete except for punch list items. The Town and NCDOT are working together to add in a new crosswalk across Hwy. 51 at Phillips Road.

**2015 Resurfacing**- The contract for this Matthews project was awarded to Trull Contracting, LLC for \$716,410.75. The contractor has completed the full-depth reclamation (FDR) and paving in Matthews Estate, West Matthews Street, Oscar Drive area, Independence Pointe Parkway and Windsor Square Drive. Brigman Road was added to the contract for approximately \$73,000 as it will tie into the new entrance to the Sportsplex and was in poor condition and has been completed. This is a Town-funded project. This project is complete.

**Charles Buckley Way**- Matthews project. Contract was awarded to Sealand Contractors Corporation for \$433,213.07. Our Landscaping Division installed trees and shrubbery. Except for a culvert crossing under John Street and repairing the crosswalk markings, this 500 LF project is complete and is currently open to traffic. This is a Town-funded project.

**McKee Road Segment B, Campus Ridge Road Relocation (U-4713B)**- Matthews project extended McKee Road 1,500 feet from John Street to existing Campus Ridge Road. Contract was awarded to Blythe Development at the June 8, 2015 Board Meeting. The total construction cost was \$1.7M, with the Town contributing \$361,456 toward construction and construction oversight. Project was completed in September 2016.

**Talbot Court Extension**- Private Developer Project. This extension is being constructed as part of the Plantation Village project. Its completion was tied to the first building C/O for Plantation Village. Construction of the road started in March and is open for traffic. This is a privately funded roadway and has been turned over to the Town for maintenance.

**Sportsplex**- Mecklenburg County Project. Located at 1505 Tank Town Road, this project is a \$32M athletic complex for field sports and includes adjoining privately held land for a Family Entertainment Complex. The project is being constructed jointly with the County. The Town of Matthews has agreed to invest \$2M in the project. Phase I of this project is open and includes five multi-purpose fields, a shelter area and a playground built in tribute to the lives lost in the September 11, 2001 terrorist attack. Ultimate build-out includes 12 fields, including a stadium that sits approximately 2,700 people, with the capability of further seating expansion. Once complete, there will be a new public roadway connection between Tank Town Road and Brigman Road, named Sports Parkway. Project is substantially complete. All artificial turf fields are open for play. The Grand Opening of the Sportsplex was held June 17th with Charlotte Independence's first match at the stadium. Matthews received \$1M from the general assembly for fiscal year 2017; and, with an additional \$400K from each the Town and the County, will be used to expand the seating capacity for the stadium.

**Railroad Parking Lot Improvements**- Matthews Project. The state legislature this past session gave Matthews \$94,240 to revitalize a portion of our downtown. The Board voted on September 12 to use the money toward improving the parking lot adjacent to the railroad, between North Trade Street and North Ames Street. This money supplements the \$72,000 that the Board put in the CIP to make the improvements. Improvements to the parking lot include creating a 10' pedestrian path along one side of the parking lot, installing stairs from the parking lot up to Bank Street, resurfacing the parking lot, and improving landscape in the area. The estimated cost of this project is \$105,000. Any remaining funds will be put toward future projects. Parts of it were delayed due to Hurricane Matthew. This project was completed in August 2017.

**Fullwood Signal**- Private developer project. As part of the Plantation Estates expansion, they are installing a signal on Fullwood Lane at their new entrance. Signal was put into service in August 2017. Matthews is overseeing this project.

**2016 Pavement Preservation Program**- Matthews project. Several pavement preservation techniques are being used on various local roads to extend their life. Roads in Sardis Mill and Coachman Ridge had a rejuvenator, called Reclamite, applied to them. This product replaces the volatile organic compounds lost from the asphalt when it is initially placed. It also helps to reverse oxidation that has occurred in the pavement since that time. This was placed on these roads and a small section of Phillips Road on September 20, 2016.

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Two weeks later, on October 4, 2016, a high density mineral bond (HA5) was placed in the Sardis Mill subdivision. This is a coating that will help protect the pavement from UV damage for up to 7 years.

Millstone Ridge will have a seal coat, GSB-88, placed on it this spring. This product is a coating that will mitigate raveling in the road and help to protect the pavement from UV damage for up to 5 years. This will take about 10 days to apply, with most of that being prep work. This product takes about 2 hours to cure before it can be driven on. Patching and crack sealing these roads in preparation of the application have been completed by Town crews. The contractor started work in early October 2017.

**NCDOT Resurfacing**- NCDOT project. NCDOT has contracted out several resurfacing projects within Matthews. We do not yet have a timeline on when they may be done. These areas include Pineville-Matthews Road, from Sardis Road to John Street; and East John Street from Trade Street to Friendship Drive. Except for some cleanup work, this project has been completed.

**McKee Road Intersection Improvements**- Developer project. As part of the Erickson Community development on McKee Road, they were required to add turn lanes at McKee's intersection with Pleasant Plains Road and Weddington Road. The work at Pleasant Plains Road has been delayed due to some utility conflicts. This project was completed in December 2017. NCDOT is overseeing this project.



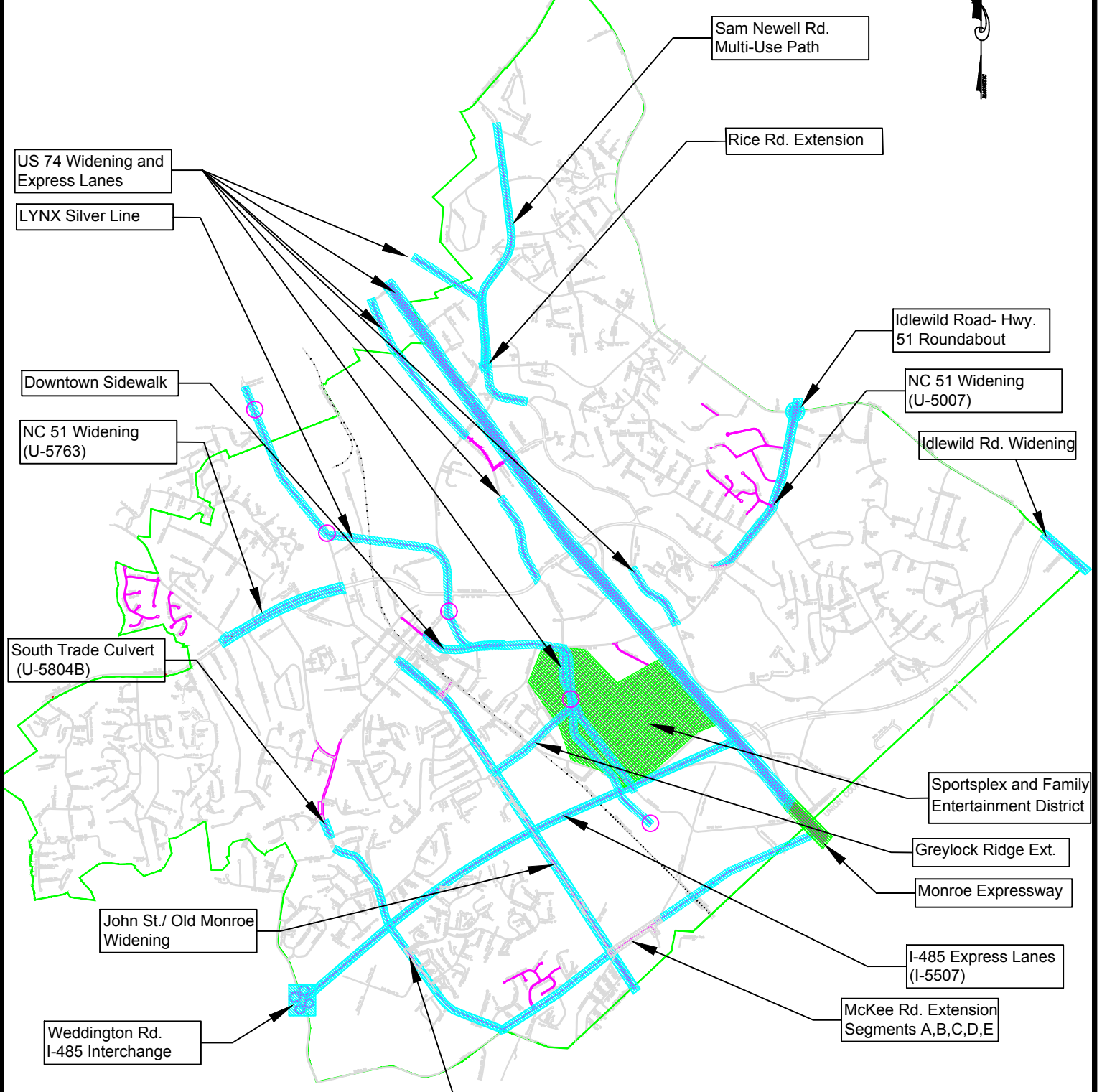
**Transportation Project Schedules  
March 15, 2018**

**Consolidated NCDOT Project Schedule**

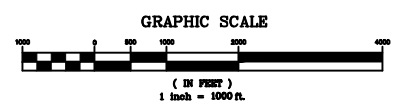
Project	TIP#	Planning		Right of Way		Construction	
		Start	End	Begin	End	Begin	End
Monroe Expressway	R-3329/R-2559	done		done		2015	2018
South Trade Street Culvert/Widening	U-5804B	done			Fall 2017	Winter 2017	End 2018
South Trade St Greenway Tunnel	EB-5829				Fall 2018	Spring 2019	End 2019
I-485 Express Lanes/Weddington Rd Interchange	I-5507	done		2018	2019	2018	2021
NC 51 Widening (Sardis to E. John)	U-5763	2017	2017	2021	2021	2021	2022
US 74 Widening	U-2509		2019	2020	2021	2021	2023
Idlewild Road Widening	U-4913	2017	2020	2020	2021	2022	2023
John St./Old Monroe Widening	U-4714	2014	2018	2019	2020	2021	2023
NC 51 Widening (Mathews Township to Lawyers)	U-5007	2017	2020	2021	2023	2023	2025

**Construction Schedule**

Project	TIP#	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Monroe Expressway	R-3329/R-2559										
Hwy 51/Idlewild Roundabout	U-5115										
S. Trade St. Widening	U-5804B										
I-485/Weddington Rd Interchange	I-5507										
NC51 and Sam Newell Intersection	C-5613D										
4-Mile Creek Greenway Tunnel	EB-5829										
Sam Newell Rd MUP	EB-5783										
McKee Segment A	U-4713A										
John Street Widening	U-4714A&B										
Independence Blvd. Widening	U-2509										
Hwy 51 widening (Sardis to Monroe)	U-5763										
Idlewild widening (I-485 to Stallings)	U-4913										
Hwy 51 widening (MMH to Lawyers)	U-5007										



Legend	
Current Projects	
Future Projects	
Completed Projects	



1 of 1	Transportation Projects 2017		SCALE: N.T.S. DATE: 12/14/17 DRAWN BY: CJO DESIGNED BY: CJO	REVISION	DATE	DESCRIPTION	BY
	TOWN OF MATTHEWS PUBLIC WORKS DEPARTMENT 1600 TANK TOWN RD., MATTHEWS, NC 28105						