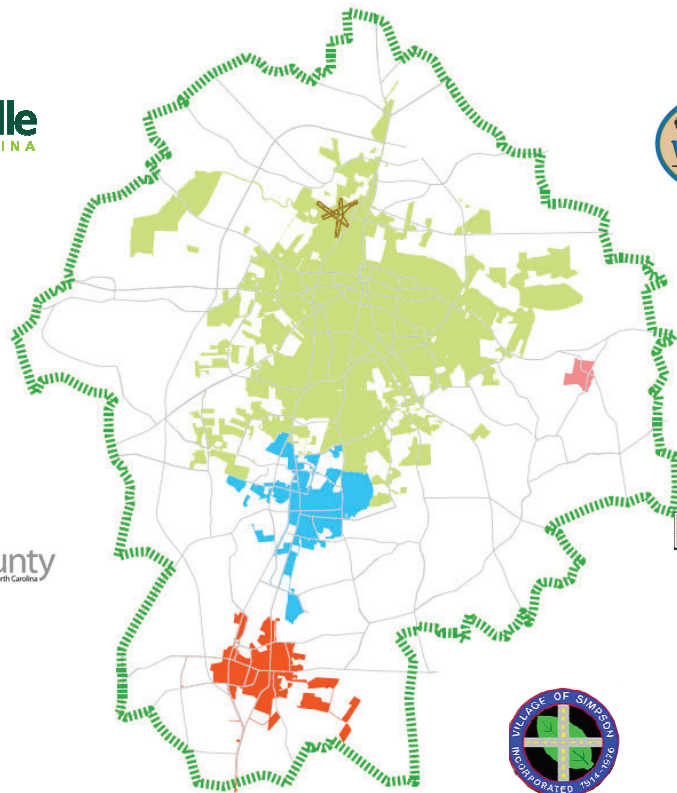




Greenville Urban Area Metropolitan Planning Organization



2020-2029 Metropolitan Transportation Improvement Program

December 2019
Reprogramming Amendment on
December 9, 2020

The Greenville Urban Area MPO has established performance management targets for highway safety, infrastructure condition, congestion, system reliability, emissions, freight movement and transit. The Greenville Urban Area MPO anticipates meeting their identified targets with the mix of projects included in the FY 2020-2029 TIP.

NORTH CAROLINA 2020 – 2029 STATE TRANSPORTATION IMPROVEMENT PROGRAM

What is a State Transportation Improvement Program (STIP)?

The STIP is a multi-year capital improvement document which denotes the scheduling and funding of construction projects across the state over a minimum 4 year time period as required by Federal law. North Carolina's STIP covers a 10 year period, with the first six years (2020-2025 in this version) referred to as the delivery STIP and the latter four years (2026-2029 in this version) as the developmental STIP. Per 23 CFR 450.216 & 23 U.S. Code § 135 STIP's must also:

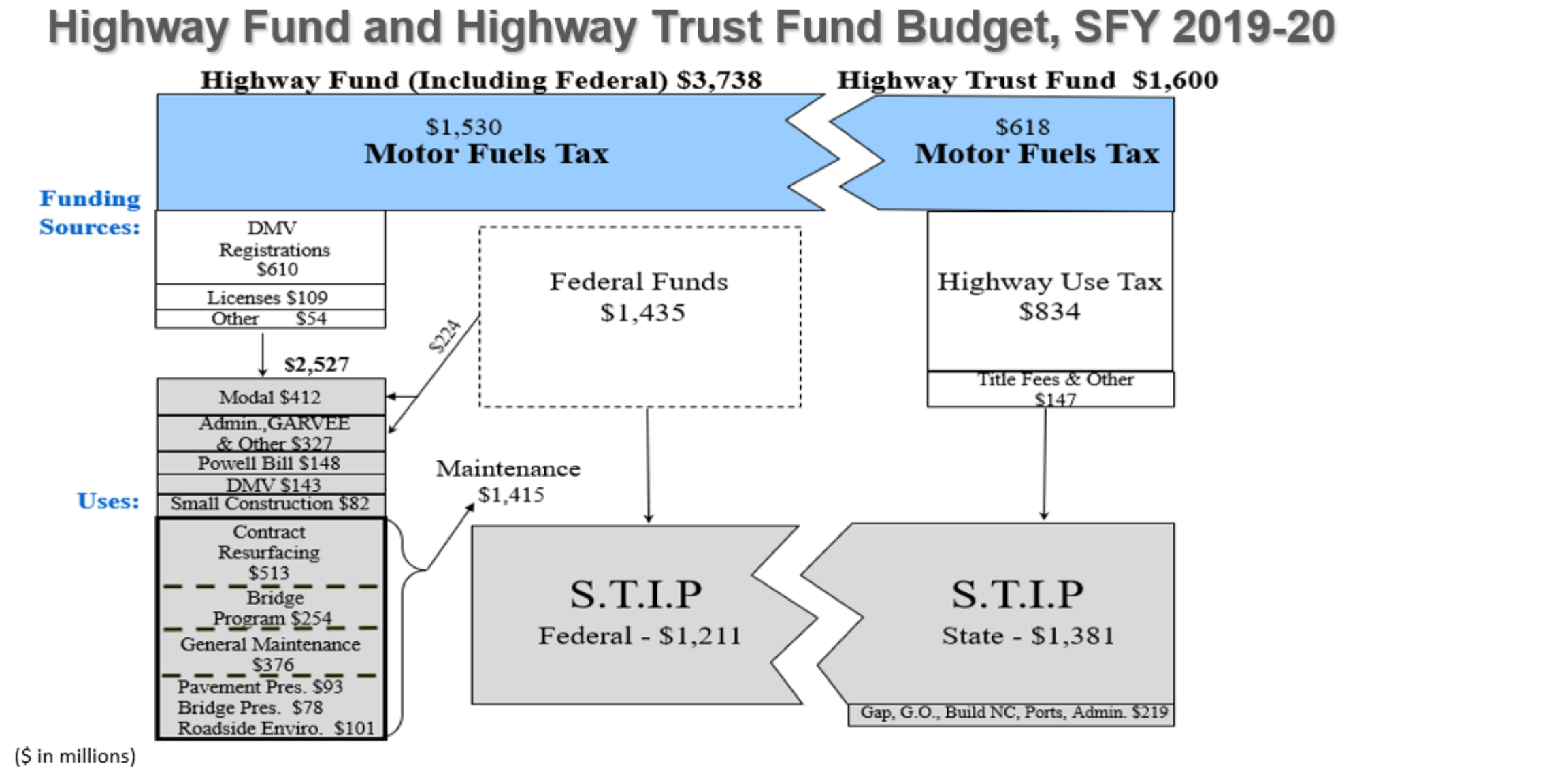
- Be submitted to Federal Highway Administration (FHWA) & Federal Transit Administration (FTA) for approval at least every 4 years
- Be fiscally constrained by year
- Include all capital and non-capital projects using Title 23 USC or Title 49 USC funds, other than certain safety, planning, and research funds
- Include metropolitan TIPs from Metropolitan Planning Organizations
- Provide public comment opportunity on STIP document
- And include the following information:
 - Project description and termini
 - Estimated total cost (NCDOT includes Utility, R/W, and Construction costs)
 - Federal funds to be obligated
 - Responsible agency (such as municipality)

North Carolina's STIP is updated every two years and developed in concert with federal and state revenue forecasts, North Carolina Department of Transportation's (NCDOT's) Strategic Prioritization process, preconstruction and project development timetables, and in adherence with federal and state laws. North Carolina state law requires Board of Transportation (BOT) action to approve the STIP.

This is the third STIP developed under the Strategic Transportation Investments (STI) law passed in June 2013. This landmark legislation elevates the use of transportation criteria and the input of local communities to determine project priorities and directs the use of dollars for transportation projects.

Maintenance and Capital Improvement Funding for North Carolina

NCDOT uses three major sources of funds for transportation improvements. Federal Funding and State Highway Trust Funds are used for capital improvements while the Highway Fund is used for maintenance activities. The chart below illustrates these funds and their sources.



Performance Management Targets

NCDOT has established performance management targets for highway safety (established in the Strategic Highway Safety Plan (SHSP)), transit tier 2 providers that choose to participate in NCDOT's Group Transit Asset Management (TAM) Plan, and performance management targets for infrastructure condition, congestion, system reliability, emissions, and freight movement. The NCDOT anticipates meeting their identified targets with the State funded Highway Maintenance Improvement Program (HMIP) and the mix of projects included in the STIP aided by the Strategic Transportation Investments Prioritization and Programming process. The HMIP is a State funded program of projects that are programmed outside of the STIP.

In North Carolina, pavement and bridge performance is primarily impacted through state funded programs that are managed outside the STIP. The Department's HMIP, identifies planned maintenance activities for a five year time period, which include pavement, bridge and other general maintenance projects across our entire roadway network. The amount of funding provided through these state funded programs is roughly equivalent to the amount of state and federal funding programmed in the STIP over the same time period. In relation to NHS specific routes, the STIP does include some specific federal funding for interstate pavement and bridge maintenance through our own internal interstate maintenance program. Federal funding for bridges included in the STIP is applied primarily to non-NHS bridges. While the STIP can have an impact to the condition of our NHS pavements and bridges, specifically on the interstate system, the majority of the funding impacting the condition of our pavements and bridges is managed outside the STIP.

Public transit projects included in the STIP align with the transit safety planning and target setting process undertaken by the transit agencies and MPOs. While the North Carolina DOT aided with the development of a template for the initial Public Transportation Agency Safety Plans (PTASPs), each large urban transit provider is responsible for implementing its PTASP, which includes transit safety targets. Investments are made in alignment with PTASPs with the intent of keeping the state's public transit operations, vehicles, and facilities safe and meeting transit safety targets. State and federal funding sources that can be used by transit agencies for operations, vehicles, and facility improvements are outlined in the Public Transportation Project Funding section of the NCDOT 2020-2029 Current STIP. Individual transit agencies determine the use of these sources for capital and operating expenses based on their local needs.

How is the STIP organized?

The STIP contains funding information and schedules for transportation modes and programs including: Highways, Aviation, Bicycle and Pedestrian, Ferry, Public Transportation, Rail, Governor's Highway Safety and statewide related programs. The Appendix also contains a reference list of completions and deletions since the 2018-2027 STIP which was approved in 2017.

The transportation program in the STIP is organized by the 14 transportation divisions. Each Division section includes a funding source reference table and is divided between highway and non-highway project schedules. Projects are also listed by county within each division. This results in some duplication since transportation projects frequently extend across county and division lines. When this duplication occurs, a project is listed in each county in which it is found.

Projects are further subdivided by category: interstate, rural, urban, bridge, municipal bridge, bicycle and pedestrian, congestion mitigation, highway safety improvement program, ferry, passenger rail, and roadside environmental. Interstate, rural, urban, bridge, and ferry projects are described by route number. Municipal bridge, bike and pedestrian projects are listed by city or county. Congestion mitigation and passenger rail projects are listed alphabetically by city or county. Highway safety improvement program projects may be listed by route, city or county. The Public Transportation program list projects first by the transportation partners and providers then by identification numbers.

Projects are also listed by the STI category they are funded from, i.e., by Statewide Mobility, Regional Impact, or Division Needs. The phases of projects (such as Right of Way (R), Utility relocation (U), and Construction (C) are listed by Fiscal Year along with their costs and anticipated funding sources.

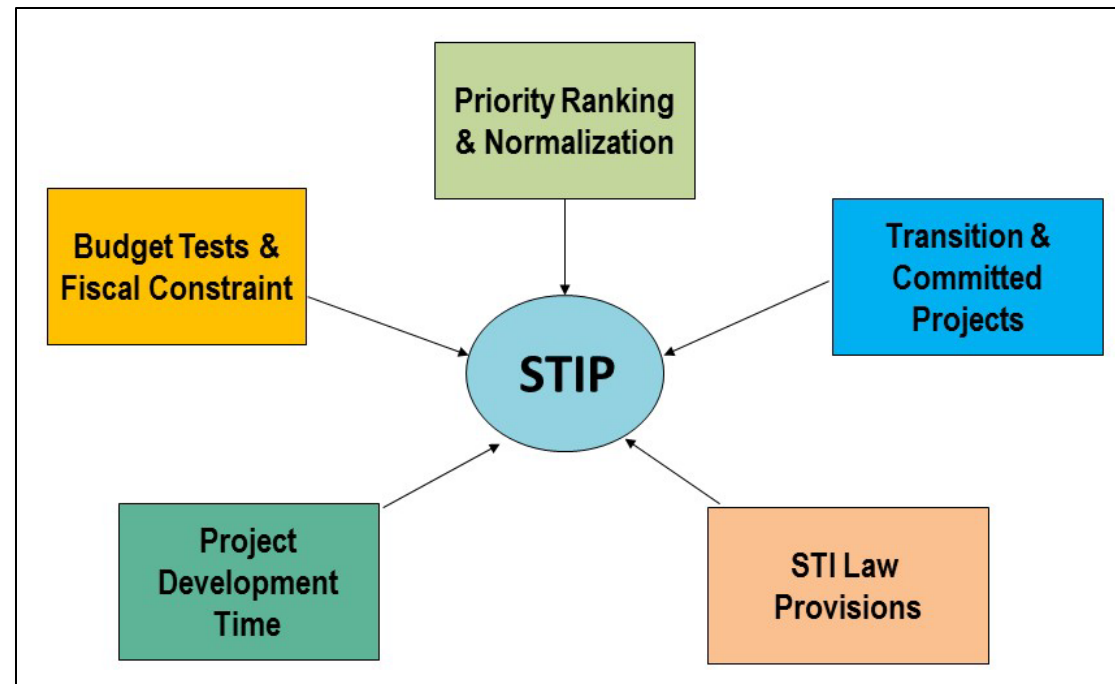
All projects require extensive planning, environmental impact and design studies. The location and exact type of improvements are subject to refinement and modification during the planning and design phases.

Strategic Prioritization

The Department manages a strategic project prioritization process. The 5th generation of this process, Prioritization 5.0 or P5.0, is a significant component of this STIP development. Strategic prioritization uses transportation data, input of local government partners, and the public to generate scores and ultimately rankings of projects across the state. Multiple public input opportunities were provided during the spring and summer of 2018 regarding the submittal of new projects and the assignment of local points to projects. This input assisted each Metropolitan Planning Organization (MPO), Rural Planning Organization (RPO), and NCDOT's transportation divisions to produce criteria-based methodologies which directed how local points were allocated.

The P5.0 process resulted in each transportation mode using different quantitative criteria, measures and weights to provide technical scores for projects as recommended by the Prioritization Workgroup and approved by the NC Board of Transportation. Also, per the intent of STI for transportation modes to compete for funding, a normalization process was recommended to create minimum percentages of funding for highway and non-highway projects in the combined Regional Impact and Division Needs categories. The minimum percentage for highways was 90% and minimum percentage for non-highways was 4%. These percentages guided the programming process, which ultimately yielded a 95% to 5% highway vs non-highway programmed amount in the combined Regional Impact and Division Needs categories.

Figure A



The results of the P5.0 process do not necessarily mean that projects will be programmed in the order of their score and rank. Over a 10-year time frame, funding was provided to the highest scoring projects. However, there are other considerations and factors in developing the actual program (Figure A). A major factor in deciding when the top scoring projects are funded is project delivery time. Projects need to fulfill a series of environmental and preliminary engineering requirements, right-of-way must be purchased, utility relocation (where applicable) must be addressed, and final plans must be developed for lettings. The time period to accomplish these activities can be lengthy. Construction funding cannot be allocated to projects before these preconstruction activities have taken place.

There were also STI law provisions (including a corridor cap and individual modal caps) which directed programming decisions and the entire program had to meet budget tests and fiscal constraint per state and federal requirements. STI law also included a provision to exempt from prioritization select projects (Transition Period Projects) scheduled to be obligated for construction prior to July 1, 2015. In addition, projects funded for right-of-way or construction in the first 5 years of the previous 2018-2027 STIP, were considered committed and were not evaluated in P5.0. However, the funding required for both the transition and committed projects was accounted for when budgeting for other projects.

Public Involvement – Draft STIP

After the release of the Draft STIP in January 2019, each of NCDOT's 14 transportation divisions hosted a week long open house between February 15 and April 15, 2019. The purpose of these open houses was to inform citizens about projects in the Draft STIP and collect feedback. Additionally, multiple public input opportunities were available ahead of the development of the Draft STIP including the STI implementation process.

Each open house allowed participants to study maps of projects in the Draft STIP, and review proposed project schedules and information with Department staff. Sessions were held in transit accessible locations and the Department provided auxiliary aids for participants under the Americans with Disabilities Act as well as special services for English limited participants. Consultation was conducted with stakeholder groups throughout North Carolina via emails and direct mailing to encourage participation via multiple feedback options. In addition, the department provided the ability for citizens to take an online survey as well as provide comments online, by phone or mail.

Transportation Conformity

On February 16, 2018, the United States Court of Appeals for the District of Columbia Circuit in *South Coast Air Quality Mgmt. District v. EPA* (“*South Coast II*,” 882 F.3d 1138) held that transportation conformity determinations must be made in areas that were either nonattainment or maintenance for the 1997 ozone national ambient air quality standard (NAAQS) and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. These conformity determinations are required in these areas after February 16, 2019. The Research Triangle Region, the Rocky Mount Region were “maintenance” at the time of the 1997 ozone NAAQS revocation on April 6, 2015 and were also designated attainment for the 2008 ozone NAAQS on May 21, 2012. Therefore, the Research Triangle Region and the Rocky Mount Region made conformity determinations as per the 1997 ozone NAAQS on their MTPs and their 2020-2029 TIP.

Each MPO is required to develop a 20+ year Metropolitan Transportation Plan (MTP). In MPOs that are listed as either a non-attainment or maintenance air quality area, Transportation Conformity must be demonstrated on all plans, projects and TIPs. This ensures that transportation projects that receive federal funding do not negatively impact an area’s ability to meet air quality goals. Projects must be grouped by horizon year and the travel demand model must be run for each horizon year. From the travel demand model, speeds and Vehicle Miles Traveled (VMT) are obtained and used in the air quality model to calculate emissions that are compared to the budgets approved by the US Environmental Protection Agency (EPA). As long as the calculated emissions are less than the budget, the area can make a conformity finding. If the area cannot meet the budget, then the MPO’s project list does not meet the transportation conformity test and the area may be subject to lapse. A lapse can delay projects as federal actions cannot take place during a lapse and only exempt projects can move forward. A revised Transportation Conformity analysis can be triggered whenever a project is delayed or accelerated such that it crosses a horizon year. Whenever an MPO develops a new MTP, a new conformity analysis must be performed. When a new TIP comes out, the new TIP must be checked to make sure it is consistent with the MTP. If there is any inconsistency between the TIP and the MTP (conformity finding) then FHWA cannot take any federal action including approval of the TIP until this inconsistency is resolved.

On February 16, 2018, the United States Court of Appeals for the District of Columbia Circuit in the *South Coast Air Quality Mgmt. District v. EPA* case (“*South Coast II*,” 882 F.3d 1138) held that transportation conformity determinations must still be made in areas that were either nonattainment or maintenance for the 1997 ozone national ambient air quality standard (NAAQS) and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. However, these conformity determinations may be made without the requirement of a Regional Emissions Analysis (REA) and comparison to the emission budgets approved by the US EPA. Consistency between the TIP and MTP must still be ensured.

North Carolina 2008 Ozone Maintenance Area Requiring a REA

Region	Counties	Pollutant(s)
		8- Hour Ozone
Metrolina	Cabarrus (Partial)	✓
	Gaston (Partial)	✓
	Iredell (Partial)	✓
	Lincoln (Partial)	✓
	Mecklenburg	✓
	Rowan (Partial)	✓
	Union (Partial)	✓

North Carolina 1997 Ozone Maintenance Areas NOT Requiring a REA

Region	Counties	Pollutant(s)
		8- Hour Ozone
Triangle	Chatham (Partial)	✓
	Durham	✓
	Franklin	✓
	Granville	✓
	Johnston	✓
	Person	✓
	Wake	✓

Region	Counties	Pollutant(s)
		8- Hour Ozone
Rocky Mount	Edgecombe	✓
	Nash	✓

Region	Counties	Pollutant(s)
		8- Hour Ozone
Metrolina	Cabarrus	✓
	Gaston	✓
	Iredell (Partial)	✓
	Lincoln	✓
	Mecklenburg	✓
	Rowan	✓
	Union	✓

Public Transportation Project Funding

The projects listed in the STIP are funded from different FTA, FHWA and State Funds, many requiring a state and/or local funding match. Annually, the NCDOT Public Transportation Division (PTD) conducts a call for projects to provide state funds to assist in meeting these match requirements. The amount available for state match is limited to the amount provided in the approved state budget for that year.

FTA program funding amounts are published annually in the Federal Register and posted to the FTA website. NCDOT uses these apportionments to distribute funding to qualifying sub-recipients. Most funding within an MPO with a population of 200,000 or greater is managed directly by the MPO. The MPO develops projects that appear in the STIP from the apportioned funds received directly from FTA. NCDOT allocates federal funds to small urban areas less than 200,000 population and rural areas of the state. These MPOs develop projects that appear in the STIP within the allocated amount received from NCDOT, including unspent prior year funding. For rural areas, NCDOT applies directly to FTA for project funding on behalf of rural serving transportation systems. NCDOT develops projects in rural areas that appear in the STIP within the total Federal and State apportioned amount, including unspent prior year funding.

The following Federal Funded projects managed by NCDOT appear in the STIP:

A. Metropolitan Planning and Statewide Planning Program (Section 5303 / 5304)

Provides funding and procedural requirements for multimodal transportation planning in metropolitan areas and states that are cooperative, continuous and comprehensive, resulting in long-range plans and short-range programs that reflect transportation investment priorities. These planning programs are jointly administered by FTA and the Federal Highway Administration (FHWA), which provides additional funding to MPOs.

PTD Goals:

- 5303 – Create a fair and equitable distribution of planning funds to urbanized areas (UZAs) and foster transit planning on a regional and inter-regional scale.
- 5304 – Provide for statewide planning and technical studies.

B. Urban Area Formula Program (Section 5307)

Makes Federal resources available to qualifying areas for transit capital, operating assistance, and transportation planning in MPOs urbanized areas with a population of 50,000 or more as designated by the U.S. Department of Commerce, Bureau of the Census.

PTD Goals:

- 5307 Governor's Apportionment (GA) – Work with eligible systems to ensure 5-year budgets are met, and grants are managed appropriately.
- 5307 Large Urbanized Areas – Work with eligible MPO areas to ensure funding is fairly and equitably distributed and the needs of former 5311 recipients are met.

C. Enhanced Mobility of Seniors and Individuals with Disabilities Program (Section 5310)

Improve mobility for seniors and individuals with disabilities by removing barriers to transportation service and expanding transportation mobility options. This program supports transportation services planned, designed, and carried out to meet the special transportation needs of seniors and individuals with disabilities in all areas – large urbanized (over 200,000), small urbanized (50,000-200,000), and rural (under 50,000). Eligible projects include both traditional capital investment and nontraditional investment beyond the Americans with Disabilities Act (ADA) complementary paratransit services.

PTD Goal:

- Support transportation of seniors and persons with disabilities in small urbanized areas (50,000-200,000 population) and rural North Carolina (less than 50,000 population).

D. Rural Formula Grant Program (Section 5311)

Provides capital, planning, and operating assistance to states to support public transportation in rural areas with populations of less than 50,000, where many residents often rely on public transit to reach their destinations. The program also provides funding for state and national training and technical assistance through the Rural Transportation Assistance Program (RTAP), Intercity Bus (5311F) and Appalachian Development Transportation Assistance Program. North Carolina is one of 13 states receiving the Appalachian Development grants in the following 29 counties: Alexander, Alleghany, Ashe, Avery, Buncombe, Burke, Caldwell, Cherokee, Clay, Davie, Forsyth, Graham, Haywood, Henderson, Jackson, McDowell, Macon, Madison, Mitchell, Polk, Rutherford, Stokes, Surry, Swain, Transylvania, Watauga, Wilkes, Yadkin, and Yancey.

PTD Goals:

- Support general public transportation in rural North Carolina (less than 50,000 population) and provide a coordinated transportation network.
- Enhance access in rural areas to health care, shopping, education, employment, public services and recreation.
- Encourage the most efficient use of transportation funds to provide passenger trips in rural areas through coordination of programs and services.

E. Bus and Bus Facilities Program (Section 5339)

Provides capital funding to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities.

PTD Goal:

- Support the small urban and statewide funding program to provide capital funds to replace, rehabilitate and purchase buses and related equipment and construct bus-related facilities.

Project Descriptions

EPA's Transportation Conformity Regulation states "The degree of specificity required in the transportation plan and the specific travel network assumed for air quality modeling do not preclude the consideration of alternatives in the NEPA process of other project development studies." In an effort to not unduly influence the outcome of NEPA studies the STIP has used fairly generic descriptions of proposed work although the cost estimates were derived from specific future cross sections. In future documents, more specific descriptions will be used as the NEPA process determines a preferred alternative. So while the out years 6 through 10 may use a description like "widen to multi-lanes" as the NEPA process defines a recommended cross section this may become "widen to 4 lane median-divided cross section" as the project comes closer to having right of way and construction actually funded.

PROGRAM BUDGETS

Transportation Revenue Forecast

State Budget

State transportation revenues are derived from user fees in the form of Motor Fuel Tax (MFT), driver and vehicles fees collected by the NC Division of Motor Vehicles (DMV Fees) and a Highway Use Tax (HUT) on vehicle title transfers. Federal transportation revenues are derived from a federal MFT tax, vehicle fees (mostly on trucks) and since 2008 it has included transfers from the U.S. General Fund. North Carolina's total transportation funding consists of roughly 75 percent state revenues and 25 percent federal.

State revenue projections are obtained from a consensus forecast by the Office of State Budget and Management (OSBM), Legislative Fiscal Research Division and NCDOT. Budget estimates developed for the Governor's biennial budget serves as a base from which NCDOT and OSBM staff develop the forecast for the remaining years. Motor Fuel revenues are forecasted based on crude oil prices from IHS Global Insight, a private financial forecasting company and in-house consumption forecasting models. DMV fee revenue forecasts are based on historical transactional information, vehicle registration, licensed driver numbers and Office of State Budget and Management projected population growth in the age range 19–84. Highway Use Tax revenue is forecasted based on the number of vehicles purchased or traded in, vehicle price and the statutory rate. The number of vehicles sold and the price depend on economic conditions. Regarding DMV/Title Fees, the two variables are statutory rates and the number of transactions, which is based on licensed drivers and vehicle registration. Generally, DMV fees correlate with projected changes in population. Title fees correlate closer to forecasted changes in car sales.

Federal Budget

On December 4, 2015, President Obama signed into law the Fixing America's Surface Transportation Act, or "FAST Act." Overall, the FAST Act largely maintains current program structures and funding shares between highways and transit. The law also makes changes and reforms to many Federal transportation programs, including streamlining the approval processes for new transportation projects, providing new safety tools, and establishing new programs to advance critical freight projects. The core formula programs are:

- National Highway Performance Program (NHPP)
- Surface Transportation Block Grant Program (STBG)
- Congestion Mitigation and Air Quality Improvement Program (CMAQ)
- Highway Safety Improvement Program (HSIP)
- Railway-Highway Crossings (subset of the HSIP)
- Metropolitan Planning
- Construction of Ferry Boats and Ferry Terminal Facilities
- Transportation Alternatives (TA)
- National Highway Freight Program

Federal transportation funding is distributed by Congress based on multi-year reauthorization bills and annual appropriations.

The primary variables for both state and federal revenues are the MFT rate and fuel consumption. The passage of S.L. 2015-2 / S20 altered the variable MFT state rate formula starting April 1, 2015. The new variable rate formula is based on changes in population and the Consumer Price Index for Energy (CPI-E) beginning on January 1, 2017. The federal MFT rate, set by Congress in 1993, is 18.4 cents per gallon for gasoline and 24.4 cents for diesel. Fuel consumption is affected by fuel prices, which are determined by world markets and economic domestic output, vehicle fuel efficiency and alternate fuel vehicles.

Federal Aid Program

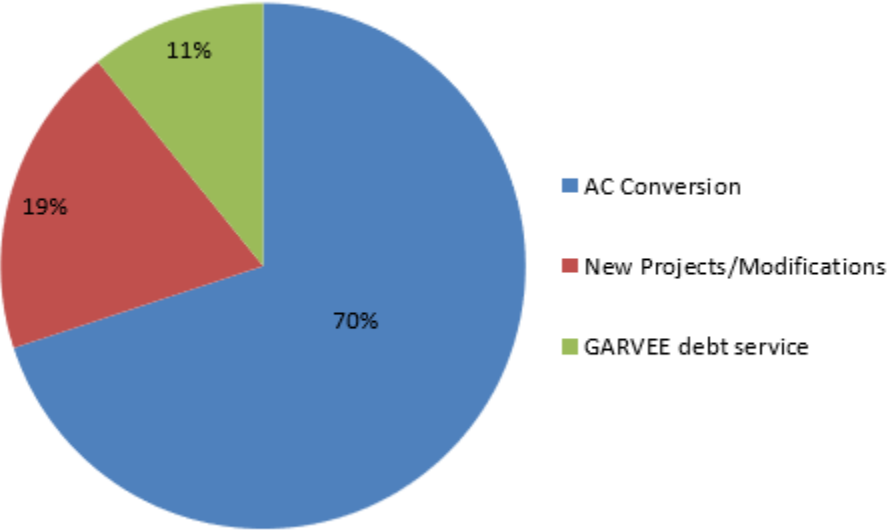
The Federal Aid Program consists of many funding categories. Funding in most of these individual categories is subject to overall federal budget constraints and Federal Obligation Limitation. The obligation limitation effectively limits the amount of federal funds that can be utilized in any one year.

North Carolina's availability of federal funds for the STIP in FFY 2020 and FFY 2021 is expected to be about \$1,198 million each year.

Virtually all federal-aid projects require a local or state fund contribution. Most highway and transit programs require a 20% local or state share. The amount of state matching funds needed for the Federal Aid Program is expected to be approximately \$300 million each year, which will be funded by the State Highway Trust Fund.

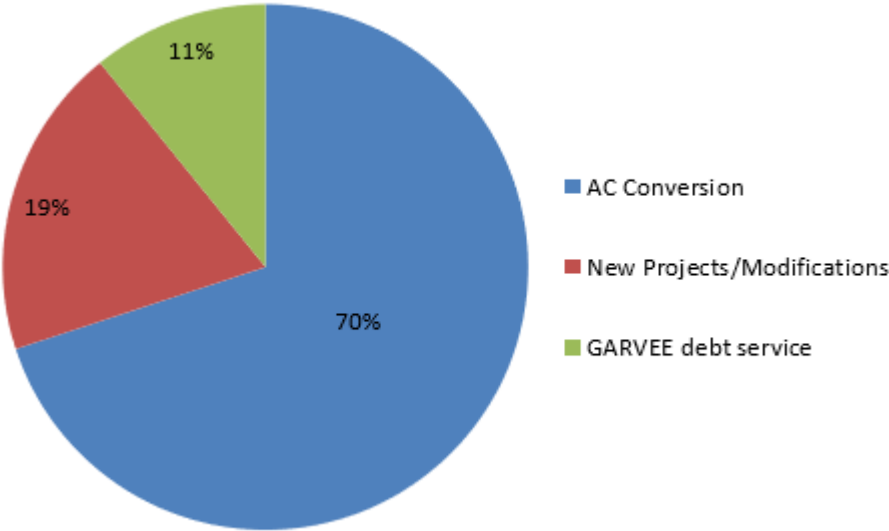
Federal Aid Construction Program - FFY 2020			
(\$ in Millions)			
Category	Federal Funds	Required State Matching Funds	Total
National Highway Performance Program	655	164	819
Rail Hwy Crossing	7	2	9
Statewide Planning	16	4	20
TAP	22	6	28
Research Development	5	1	6
Metropolitan Planning	6	2	8
Congestion Mitigation	55	14	69
Surface Transportation Program	328	82	410
Highway Safety Improvement	64	16	80
Freight	40	10	50
Total Apportionment	1,198	300	1,498

Proposed Use of FFY 2020 Obligation Authority



Federal Aid Construction Program - FFY 2021			
(\$ in Millions)			
Category	Federal Funds	Required State Matching Funds	Total
National Highway Performance Program	655	164	819
Rail Hwy Crossing	7	2	9
Statewide Planning	16	4	20
TAP	22	6	28
Research Development	5	1	6
Metropolitan Planning	6	2	8
Congestion Mitigation	55	14	69
Surface Transportation Program	328	82	410
Highway Safety Improvement	64	16	80
Freight	40	10	50
Total Apportionment	1,198	300	1,498

Proposed Use of FFY 2021 Obligation Authority



The program is fiscally constrained to the amount of funds projected to be available each year in order to prevent the Department from over committing future revenues. “Advance Construction” (AC) allows states to begin a project even in the absence of sufficient Federal-aid obligation authority to cover the Federal share of project costs. It is codified in Title 23, Section 115. Advance construction eliminates the need to set aside full obligational authority before starting projects. As a result, a state can undertake a greater number of concurrent projects than would otherwise be possible. In addition, advance construction helps facilitate construction of large projects, while maintaining obligational authority for smaller ones. At some future date when the state does have sufficient obligation authority, it may convert an advance-constructed project to a Federal-aid project by obligating the permissible share of its Federal-aid funds and receiving subsequent reimbursements. Advance construction allows a state to conserve obligation authority and maintain flexibility in its transportation funding program. NCDOT uses AC both to support its GARVEE Bond program and to assist in its cash management. The table below provides our AC balances in 2020 and shows the anticipated balances through 2023.

Dollars in Thousands				
	2020	2021	2022	2023
AC Beginning Balance	\$4,400,000	\$5,005,000	\$4,929,000	\$5,184,000
New AC - Programmed in STIP	\$1,575,000	\$894,000	\$1,225,000	\$1,286,000
AC Converted	\$970,000	\$970,000	\$970,000	\$970,000
AC Ending Balance	\$5,005,000	\$4,929,000	\$5,184,000	\$5,500,000

GARVEE Bonds

In 2005, House Bill 254 authorized NCDOT to issue Grant Anticipation Revenue Vehicles (GARVEE bonds) to finance federal aid highway projects. All funds derived from GARVEE bonds are backed by the receipt of future federal funds and no state funds may be committed to the debt service. Below is a summary of the GARVEE bond issuances and debt service requirements.

GARVEE Bond Program
\$ in Millions

State Fiscal Year	Proceeds Including Premium	Debt Service
2008	\$299.80	\$5.06
2009		59.33
2010	263.14	67.16
2011		81.99
2012	364.9	59.84
2013		80.55
2014		86.32
2015	300.54	86.32
2016		100.00
2017	253.15	99.38
2018		95.93
2019	719.04	95.91
2020		131.63
2021		131.64
2022		131.63
2023		131.64
2024		95.38
2025		95.38
2026		95.38
2027		95.38
2028		95.38
2029		95.38
2030		95.38
2031		57.09
2032		57.09
2033		57.09
2034		57.09

BUILD NC Bonds

In 2018, Senate Bill 758 authorized NCDOT to issue Build NC bonds to finance highway projects at the regional impact and divisional need project categories. Subject to appropriation by the General Assembly, funds from the Highway Trust Fund shall be the source for repayment of debt service. Below is a summary of Build NC bond debt service requirements.

BUILD NC Bond Program		
\$ in Millions		
State Fiscal Year	Proceeds Including Premium	Debt Service
2020	\$357.34	\$28.20
2021		28.20
2022		28.20
2023		28.20
2024		28.20
2025		28.20
2026		28.20
2027		28.20
2028		28.20
2029		28.20
2030		28.20
2031		28.20
2032		28.20
2033		28.20
2034		28.20

State Highway Trust Fund

Revenues for the Trust Fund are generated from 29% of the state motor fuels tax, the 3 percent use tax on the transfer of motor vehicle titles, DMV titles and other fees, and interest income. \$49 million of Trust Fund revenues are transferred each year to the NCTA for project funding, as well as \$45 million to the State Ports.

The STIP budget is based on a consensus forecast by the OSBM, Legislative Fiscal Research Division, and NCDOT. These estimates were used to develop the draft program and are the basis for air quality and fiscal constraint tests. The Trust Fund revenues are projected to be about \$1,577 million for FY 2020 and \$17.5 billion during the 10-year period. Of this \$17.5 billion in revenue, \$490 million goes to NCTA, \$465.1 million is used for debt service on previous GO bonds and Administration, \$4 million is transferred to the Highway Fund for Visitor Centers and \$450 million is transferred to State Ports. The remaining \$15.7 billion is available for STIP purposes. After preliminary engineering, a reserve

for construction cost overruns, inflation, and bonus allocation and local participation deductions, \$23.7 billion is available for programming. *(Note – funds available for programming and used in the development of the 2020-2029 STIP were prior to the actions of the 2019 General Assembly.)*

(Dollars in Millions)											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2020 THRU 2029
HIGHWAY TRUST FUND REVENUES											
25% of Gas Tax Revenues	\$ 610.00	\$ 625.00	\$ 641.00	\$ 653.00	\$ 665.00	\$ 675.00	\$ 683.00	\$ 693.00	\$ 704.00	\$ 690.00	\$ 6,639.00
DMV Fees & Investment Income	153.00	165.00	167.00	171.00	176.00	199.00	204.00	209.00	215.00	241.00	\$ 1,900.00
Use Tax	814.00	815.00	824.00	845.00	871.00	894.00	917.00	941.00	967.00	1,028.00	\$ 8,916.00
Total State Highway Trust Fund Revenues	\$ 1,577.00	\$ 1,605.00	\$ 1,632.00	\$ 1,669.00	\$ 1,712.00	\$ 1,768.00	\$ 1,804.00	\$ 1,843.00	\$ 1,886.00	\$ 1,959.00	\$ 17,455.00
Less Transfers for NCTA GAP Funding	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	(49.00)	\$ (490.00)
Less GO Debt Service	(59.77)	-	-	-	-	-	-	-	-	-	\$ (59.77)
Less Transfer to Highway Fund	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	\$ (4.00)
Less Program Administration	(36.62)	(37.27)	(37.90)	(38.76)	(39.76)	(41.06)	(41.89)	(42.80)	(43.80)	(45.49)	\$ (405.33)
Less Transfer to State Ports	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	(45.00)	\$ (450.00)
Net State Trust Fund Revenues	1,386.21	1,473.33	1,499.70	1,535.84	1,577.84	1,632.54	1,667.71	1,705.80	1,747.80	1,819.11	\$ 16,045.89
Federal Aid	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	1,289.00	12,890.00
Less SPR Funds	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(34.90)	(348.98)
Less CMAQ	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(30.00)	(300.00)
Less DMS (Formerly EEP)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(20.00)	(200.00)
Less Yadkin River GARVEE debt service	(5.13)	(5.13)	-	-	-	-	-	-	-	-	(10.26)
Net Federal Aid Revenues	1,198.97	1,198.97	1,204.10	1,204.10	1,204.10	1,204.10	1,204.10	1,204.10	1,204.10	1,204.10	12,030.76
Available Subtotal (Trust and Federal-aid)	2,585.18	2,672.30	2,703.80	2,739.95	2,781.95	2,836.65	2,871.81	2,909.90	2,951.91	3,023.21	28,076.65
Less PE	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(250.00)	(2,500.00)
Subtotal	2,335.18	2,422.30	2,453.80	2,489.95	2,531.95	2,586.65	2,621.81	2,659.90	2,701.91	2,773.21	25,576.65
Less Construction Cost Overruns	(60.31)	(62.92)	(63.86)	(64.95)	(66.21)	(67.85)	(68.90)	(70.05)	(71.31)	(73.45)	(669.80)
Less Bonus Alloc. for Tolling & Local Participation	(38.15)	(35.25)	(33.20)	(36.82)	(33.34)	(0.20)	(2.50)	(20.00)	(40.00)	(40.00)	(279.46)
Funds Available for Programming Subtotal	2,236.72	2,324.13	2,356.74	2,388.18	2,432.39	2,518.60	2,550.41	2,569.86	2,590.60	2,659.76	24,627.39
Less Inflation	(11.18)	(34.98)	(59.39)	(84.66)	(111.40)	(115.35)	(116.81)	(117.70)	(118.65)	(121.82)	(891.94)
Funds Available for Programming	\$ 2,225.54	\$ 2,289.16	\$ 2,297.35	\$ 2,303.52	\$ 2,320.99	\$ 2,403.24	\$ 2,433.60	\$ 2,452.16	\$ 2,471.95	\$ 2,537.95	23,735.45

Anticipated Inflation Impact

Inflation is not explicitly factored into the above revenue estimates. However, before programming projects in the STIP, available funds were reduced by an amount for inflation. The following inflation factors for future construction and right of way cost increases were used: 2020 - 1.005, 2021 - 1.0151, 2022 - 1.0252, 2023 - 1.0355, 2024 through 2029 - 1.0458. This allows project costs used in the Program to be shown in current (2020) dollars.

State Highway Fund

Revenues for the Highway Fund are generated from the state motor fuels tax and DMV fees. The Highway Fund primarily supports projects that maintain the state's existing transportation system. This includes general maintenance, roadside environmental activities, resurfacing highways, replacing bridges, paving unpaved secondary roads, and state aid to municipalities. Funds are distributed across North Carolina based on need.

Cash Model and Fiscal Constraint of the STIP

In a traditionally financed federal-aid highway project, the FHWA approves the project and obligates (promises to pay) federal funds (typically 80 percent of eligible costs) at the start of a contract. The Department then begins construction, pays construction costs with state funds, and submits weekly federal reimbursement requests to FHWA. However, at its discretion, NCDOT may also use a funding technique called Advance Construction. In Advance Construction, the FHWA only approves a project as being eligible for federal funding and does not obligate (promise to pay) federal funds at the start of a project. The Department then begins construction, pays construction costs with state funds, submits a request to obligate an amount of federal funds necessary for reimbursement of a percentage of eligible costs (typically 80 percent), and submits a request for reimbursement to FHWA.

NCDOT heavily utilizes Advance Construction because it allows the Department to accelerate projects by undertaking a greater number of concurrent federal-aid projects than would otherwise be possible. However, when Advance Construction is utilized, care must be taken to ensure that adequate funds will be available to implement the schedule of projects included in the STIP. NCDOT relies on its cash model to insure fiscal constraint of both the STIP and its entire operation. The Department uses a cash model to manage its operation on a cash-flow basis using statistical models that were developed specifically to support NCDOT programs. The models are used to forecast future cash demands and financial capacity.

North Carolina's General Assembly in §143C:6-11 dictates that the Department's cash target to be between 15% and 20% of the total appropriations from the Highway Fund and Highway Trust Fund for the current fiscal year. Any federal funds on hand shall not be considered as cash for this purpose. The target shall include an amount necessary to make all municipal-aid funding requirements. Also, NCGS §143C:6-11 requires the minimum cash balance to be at least 7.5% of the total appropriations for the current fiscal year. If this minimum is not maintained, no further transportation project contract commitments may be entered into until the minimum is exceeded. Session Law 2014-100 Senate Bill 744 Section 34.23(c) established a cash balance maximum of one billion dollars. If the balance exceeds the maximum, the Department must report to the General Assembly and Fiscal Research the reasons for exceeding the maximum and the plans to reduce the balance.

The North Carolina Turnpike Authority (NCTA)

NCTA is a public agency of the State of North Carolina located within NCDOT. NCTA's mission is to supplement the traditional non-toll transportation system serving the citizens of North Carolina by accelerating the delivery of roadway projects using alternative financing options and facilitating the development, delivery, and operation of an integrated system of toll roads. The Triangle Expressway, North Carolina's first modern toll facility is approximately 18.8 miles of new highway construction, extending the partially complete "Outer Loop" around the greater Raleigh area from I-40 in the north to the NC 55 Bypass in the south opening fully to traffic on January 2, 2013. The Monroe Expressway, the second all electronic toll facility in North Carolina, opened to traffic on November 27, 2018. The Monroe Expressway is approximately 19.8 miles of new highway construction that

serves as a bypass to U.S. 74 from I-485 in eastern Mecklenburg County to U.S. 74 between the towns of Wingate and Marshville in Union County. Since the STI law passed in June 2013, the identification of potential Turnpike projects has fallen under the strategic project prioritization process. Funding for Turnpike projects may be derived from a combination of State transportation revenues, Federal aid dollars, and toll revenue bonds.

Total revenues for the Triangle Expressway were \$49.0 million and \$44.7 million for FY 2018 and FY 2017 respectively. FY 2018 total revenues increased by 9.6% year-over-year (YOY) when compared to FY 2017. Operating expenses for the Triangle Expressway totaled \$18.0 million and \$16.3 million for FY 2018 and FY 2017 respectively. FY 2018 operating expenses increased by 10.5% YOY from the previous year due, in part, to the increased number of transactions.

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
COUNTY	ROUTE/CITY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH (MILES)	TOTAL PROJECT COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	STATE TRANSPORTATION IMPROVEMENT PROGRAM												UNFUNDED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
WAKE	NC 00	R-0000 H090010 SW	I-40 TO NC 96 EAST OF HOMETOWN. WIDEN TO A FOUR-LANE FACILITY WITH A BYPASS OF HOMETOWN ON NEW LOCATION. LOCATION / DESCRIPTION Project termini and a general work description. FUNDING SOURCE (2) See Highway Funding Key for an explanation of funding categories used for each project phase. FUNDING CATEGORY (3) Identifies the "STI" Funding Category for the project and any project breaks.	7.3	63,450	250	NHP NHP NHP NHP NHP NHP NHP	R M U 	4000 700 1500 	A 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

(1) IDENTIFICATION NUMBER	
I	- Interstate
R, X	- Rural
U	- Urban
HB, B, BR	- Bridge Replacement
HL, EL	- Local
EE	- Mitigation
K	- Rest Area
L	- Landscape
HS, W,	- Highway Safety
SI, SF	
HI	- Interstate Maintenance
HE	- Economic Development
HA, A	- Appalachian Regional Commission
HO, ER,	- Other
S, M, E	

(2) FUNDING KEY FOR HIGHWAY FUNDING SOURCES	
APD	- Appalachian Development
BA	- Bonus Allocation
BG	- Surface Transportation Block Grant Program (Uncategorized)
BG5200	- Surface Transportation Block Grant Program (5K - 200K)
BGANY	- Surface Transportation Block Grant Program (Any Area)
BGBA	- Surface Transportation Block Grant Program (Bonus Allocation)
BGDA	- Surface Transportation Block Grant Program (Direct Attributable)
BGIM	- Surface Transportation Block Grant Program (Interstate Maintenance)
BGLT5	- Surface Transportation Block Grant Program (Less than 5K)
BGOFF	- Surface Transportation Block Grant Program (Off System Bridge)
BOND (R)	- Revenue Bond
CMAQ	- Congestion Mitigation
DP	- Discretionary
ER	- Emergency Relief Funds
FLAP	- Federal Lands Access Program
FLTP	- Federal Lands Transportation Program
HFB	- Highway Fund Bridge
HP	- Federal-Aid High Priority
HSIP	- Highway Safety Improvement Program
L	- Local
NHFP	- National Highway Freight Program
NHP	- National Highway Performance Program
NHPB	- National Highway Performance Program (Bridge)
NHPBA	- National Highway Performance Program (Bonus Allocation)
NHPIM	- National Highway Performance Program (Interstate Maintenance)
O	- Other
S	- State
S (M)	- State Match
T	- State Highway Trust Funds
TA	- Transportation Alternatives Program (Uncategorized)
TA5200	- Transportation Alternatives Program (5K - 200K)
TAANY	- Transportation Alternatives Program (Any Area)
TADA	- Transportation Alternatives Program (Direct Attributable)
TALT5	-Transportation Alternatives Program (Less than 5K)

(3) FUNDING CATEGORY	
DIV	- Division Need
EX	- Exempt
HF	- State Dollars (Non-STI)
REG	- Regional Impact
SW	- Statewide Mobility
TRN	-Transition Project

(4) WORK TYPE (ACTIVITY)
A - Acquisition
C - Construction
CB - Construction (BUILD NC)
CG - Construction (GARVEE)
F - Feasibility Study
G - Grading and Structures
I - Implementation
L - Landscaping
M - Mitigation
O - Operations
P - Paving
PE - Preliminary Engineering
R - Right of Way
RB - Right of Way (BUILD NC)
RG - Right of Way (GARVEE)
S - Structure
U - Utilities

DIVISION 00

NON-HIGHWAY PROGRAM

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

[illegible]

(1) IDENTIFICATION NUMBER	
AV	- Aviation
BL, EB, EL	- Bicycle and Pedestrian
SR	- Safe Routes to School
F	- Ferry
P, SB, RL, RO	- Rail
Y, Z, RX,	- Railroad - Highway Crossings
TX	- Public Transportation (Transit)

(2) FUNDING SOURCES KEY	
ADTAP - Appalachian Development Transportation Assistance Pgm.	FSPR - State Planning and Research
BGDA - STBG Program - Direct Attributable	FSSO - Federal State Safety Oversight (Rail) (5329)
CMQAQ - Congestion Mitigation	FUZ - Urbanized Area Formula Program (5307)
DP - Discretionary or Demonstration	HP - Federal-Aid High Priority
FBBF - Bus and Bus Facilities Formula (5339)	JARC - Job Assistance and Reverse Commute (5316)
FBUS - Bus and Bus Facilities (5339)	L - Local
FED - Federal Rail Funds	O - Other
FEDT - Undesignated Federal Transit Funds	RR - Rail-Highway Safety
FEPD - Enhanced Mobility Adults and People with Disabilities (5310)	RTAP - Rural Transit Assistance Program
FF - Federal Ferry	S - State
FLAP - Federal Lands Access Program	S (M) - State Match
FMOD - Fixed Guideway Modifications	SMAP - Operating Assistance and State Maintenance
FMPL - Metropolitan and Statewide Planning (5303/5304)	SRTS - Safe Routes to School
FNF - New Freedom Program (5317)	STHSR - Stimulus High Speed Rail
FNS - New Starts - Fixed Guideway CIG - Capital (5309)	T - State Highway Trust Funds
FNU - Non Urbanized Area Formula Program (5311)	TADA - Transportation Alternatives Program - (Direct Attributable)
FSGR - State of Good Repair Formula (Rail) (5337)	TIGER DISC - TIGER Discretionary Grants

(3) FUNDING CATEGORY	
DIV	- Division Need
PT	- Public Transit (Non-STI)
REG	- Regional Impact
SW	- Statewide Mobility

(4) WORK TYPE (ACTIVITY)
A - Acquisition
AD - Administrative
C - Construction
CP - Capital
I - Impementation
O - Operations
Oc - OPS Funded Capital
PE - Preliminary Engineering
PL - Planning / Design
R - Right-of-Way

FISCAL CONSTRAINT - STIP FUNDING SUMMARY 2020 - 2023 (September 2019)

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

HIGHWAY PROGRAM

FUNDING	FUNDING DESCRIPTION	FUNDING TYPE	<i>(ESTIMATED COST ARE IN THOUSANDS OF DOLLARS)</i>			
			FY 2020	FY 2021	FY 2022	FY 2023
BG5200	Surface Transportation Block Grant Program (5K - 200K)	F	23767		5997	6057
BGOFF	Surface Transportation Block Grant Program (Off System)	F		91		931
HFB	Highway Fund Bridge Replacement Program	S		1015		
HSIP	HIGHWAY SAFETY IMPROVEMENT PROGRAM	F	17	219		
L	Local	O	257	1790	1471	1523
NHPB	National Highway Performance Program(Bridge)	F			4203	4245
NHPIM	National Highway Performance Program (Interstate Maintenance)	F	351	355	359	362
O	Local, Non Federal or State Funds	O	429	2986	2452	2539
S	State	S	13	26	26	
T	Highway Trust Funds	S	184	186	187	190
TA	Transportation Alternatives Program (Uncategorized)	F	52	105	106	
SUBTOTAL			25070	6773	14801	15847

NON-HIGHWAY PROGRAM

FUNDING	FUNDING DESCRIPTION	FUNDING TYPE	<i>(ESTIMATED COST ARE IN THOUSANDS OF DOLLARS)</i>			
			FY 2020	FY 2021	FY 2022	FY 2023
5303	Metropolitan Planning (FMPL)	F	27	27	27	27
5307	Urbanized Area Formula Program (FUZ)	F	1702	1705	1722	1740
CARES	CARES Act Funding	F		114	784	
L	Local	O	1130	1983	1834	1386
O	Local, Non Federal or State Funds	O	499	1886	1501	884
S	State	S	3	3	3	3
SMAP	Operating Assistance and State Maintenance	S	276	279	281	284
T	Highway Trust Funds	S	429			
SUBTOTAL			4066	5997	6152	4324
TOTAL			29136	12770	20953	20171

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																		UNFUNDED FUTURE YEARS		
							STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM										
							FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032											
INTERSTATE PROJECTS																											
<input checked="" type="checkbox"/>	<input type="checkbox"/> US 264/US 258 (FUTURE I-587)	I-6035	GREENE COUNTY LINE TO SR 1467 (STANTONSBURG ROAD) INTERCHANGE (GREENVILLE SOUTHWEST BYPASS). PAVEMENT REHABILITATION.	13.2	36380	21960	NHPIM	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030	CG	1030
SW	PITT						TO BE LET WITH I-6032. GARVEE BOND FUNDING \$12.0 M; PAYBACK FY 2019-2033. UNDER CONSTRUCTION.																				
RURAL PROJECTS																											
<input checked="" type="checkbox"/>	<input type="checkbox"/> NC 11/NC 903 (GREENVILLE SOUTHWEST BYPASS)	R-2250	NC 11 TO US 264 (GREENVILLE BYPASS). CONSTRUCT FOUR LANE DIVIDED FACILITY ON NEW LOCATION WITH BYPASS OF WINTERVILLE.	12.4	241492	241492																					
TRN	PITT																										
UNDER CONSTRUCTION																											
<input checked="" type="checkbox"/>	<input type="checkbox"/> VARIOUS	R-5782	DIVISION 2 PROGRAM TO UPGRADE INTERSECTIONS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) USING TRANSPORTATION ALTERNATIVES (TA) FUNDS.		3327	2827	TA	C	400																		
DIV	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT						S	C	100																		
UNDER CONSTRUCTION; "S" FUNDS REFLECT STATE HIGHWAY FUNDS																											
<input checked="" type="checkbox"/>	<input type="checkbox"/> US 13 (MEMORIAL DRIVE)	U-5730 H141079	NC 43 (5TH STREET). UPGRADE INTERSECTION.		2200	200	T										C	1000	C	1000							
REG	PITT																										
RIGHT-OF-WAY IN PROGRESS																											
<input type="checkbox"/>	<input checked="" type="checkbox"/> NC 33	U-6215 H170366	SR 1755 (BLACKJACK-SIMPSON ROAD) TO SR 1760 (MOBLEYS BRIDGE ROAD). WIDEN TO MULTI-LANES.	5.6	81229	10	T																				
DIV	PITT						T																				
							T																				
							T																				
<input type="checkbox"/>	<input checked="" type="checkbox"/> NC 43 (CHARLES BOULEVARD)	U-6147 H170414	US 264A (GREENVILLE BOULEVARD) TO SR 1726 (BELLS FORK ROAD). ACCESS MANAGEMENT.	2	18710	10	T																				
REG	PITT						T																				
							T																				
<input checked="" type="checkbox"/>	<input type="checkbox"/> NC 43	U-5991 H090636	SR 1708 (FIRETOWER ROAD) TO SR 1711 (WORTHINGTON ROAD). WIDEN TO MULTI- LANES.	3.2	31100	900	T													R	1250						
DIV	PITT						T												U	600							
							T																				
<input checked="" type="checkbox"/>	<input type="checkbox"/> SR 1126 (BOYD STREET)	U-5919	NC 11 TO RAILROAD STREET. UPGRADE ROADWAY.	0.4	4020	4020																					
DIV	PITT																										
UNDER CONSTRUCTION																											
<input checked="" type="checkbox"/>	<input type="checkbox"/> SR 1203 (ALLEN ROAD)	U-5875 H090638	SR 1467 (STANTONSBURG ROAD) TO US 13 (DICKINSON AVENUE EXTENSION). WIDEN TO MULTI-LANES.	2.3	33333	5063	T												CB	858	CB	858	CB	858	CB	858	
DIV	PITT						T												C	5134	C	5133	C	5133	CB	6006	
RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING: \$10M FOR CON PAYBACK 2025 – 2039 (FY 2025 / YR 7 SALE)																											

DIV - Division Category
HF - State Dollars (Non STI)
SW - Statewide Category

EX - Exempt Category
REG - Regional Category
TRN - Transition Project

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

										TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)											STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM										UNFUNDED FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
							FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	SR 1571 (WEST 5TH STREET)	U-6240 REHABILITATION AND REALIGNMENT OF SR 1571 (WEST 5TH STREET) FROM CADILLAC STREET TO READE CIRCLE IN GREENVILLE.	1.4	15151		O	PE	427	PE	427																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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TRN - Transition Project

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

										TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2020	FY 2021	FY 2022	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	SR 1700 (EVANS STREET/ OLD TAR ROAD)	U-2817 H090369	SR 1711 (WORTHINGTON ROAD) IN WINTERVILLE TO US 264 ALTERNATE (GREENVILLE BOULEVARD) IN GREENVILLE. WIDEN TO MULTI-LANES.	3.8	128321	53966	BG5200	R	22500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

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COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2020	FY 2021	FY 2022	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS					
											FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032						
HIGHWAY SAFETY PROJECTS																										
<input checked="" type="checkbox"/>	<input type="checkbox"/> VARIOUS	W-5202	DIVISION 2 RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS.		8819	8819																				
REG	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT																									
DIVISION PURCHASE ORDER CONTRACT (DPOC) - IN PROGRESS																										
<input checked="" type="checkbox"/>	<input type="checkbox"/> VARIOUS	W-5702	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 2.		18480	17780	HSIP	R	30	DIV																
							HSIP	C	180	DIV																
							HSIP	R	30	RE																
							HSIP	C	180	RE																
							HSIP	R	40	SW																
							HSIP	C	240	SW																
	BEAUFORT						ALTERNATE CRITERIA	DIV	DIV																	
	CARTERET						ALTERNATE CRITERIA	REG	REG																	
	CRAVEN						ALTERNATE CRITERIA	SW	SW																	
	GREENE																									
	JONES																									
	LENOIR																									
	PAMLICO																									
	PITT																									
IN PROGRESS																										
<input checked="" type="checkbox"/>	<input type="checkbox"/> VARIOUS	W-5802	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 2.		995		HSIP																			
							HSIP																			
							HSIP																			
							HSIP																			
							HSIP																			
	BEAUFORT						ALTERNATE CRITERIA	DIV	A																	
	CARTERET						ALTERNATE CRITERIA	REG	B																	
	CRAVEN						ALTERNATE CRITERIA	REG	C																	
	GREENE						ALTERNATE CRITERIA	DIV	D																	
	JONES						ALTERNATE CRITERIA	SW	E																	
	LENOIR																									
	PAMLICO																									
	PITT																									
INDIVIDUAL PROJECTS AND FUNDING TO BE REQUESTED IN THE FUTURE AS NEEDED.																										
BICYCLE AND PEDESTRIAN PROJECTS																										
<input type="checkbox"/>	<input checked="" type="checkbox"/> US 264-A	EB-5980	US 264-A TO US 13 (DICKINSON AVENUE) IN GREENVILLE. CONSTRUCT SIDEWALK AND CURB AND GUTTER.	6.3	871		L																			
	(GREENVILLE BOULEVARD)	B170652					TA5200																			
							L																			
							TA5200																			
							L																			
							TA5200																			
DIV	PITT																									

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GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

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COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2020	FY 2021	FY 2022	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS								
											FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032									
BICYCLE AND PEDESTRIAN PROJECTS																													
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NC 11 (MEMORIAL DRIVE)	EB-5981 B172401	NC 43 (WEST FIFTH STREET) TO SR 1128 (DAVENPORT FARM ROAD) IN GREENVILLE. CONSTRUCT SIDEWALK.	5	2167	L									PE	17												
							TA5200									PE	66												
							L																						
							TA5200																						
							L																						
							TA5200																						
DIV	PITT																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE	EB-6045	MOYE BOULEVARD SIDEWALK EXTENSION. CONSTRUCT A MULTI-USE PATH TO REPLACE THE EXISTING SIDEWALK ALONG MOYE BOULEVARD IN GREENVILLE.	0.8	751	O	PE	33																				
							L	PE	20																				
							O	C	218		C	218																	
							L	C	131		C	131																	
DIV	PITT																												
'O' FUNDS REPRESENT BUILD GRANT FUNDS.																													
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE	EB-5539	SOUTH TAR RIVER GREENWAY. PHASE 3: PITT STREET TO NASH STREET. CONSTRUCT GREENWAY USING EXISTING SIDEWALKS, ROADS AND ON NEW LOCATION ALONG THE RIVER.		2984																							
TRN	PITT																												
UNDER CONSTRUCTION																													
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE	EB-6042	SOUTH TAR RIVER GREENWAY. CONSTRUCT MULTI-USE TRAIL FROM THE TOWN COMMON TO THE VETERANS ADMINISTRATION CLINIC ALONG MOYE BOULEVARD IN GREENVILLE.	1	3750	O				C	1172		C	1172														
							L				C	703		C	703														
DIV	PITT																												
'O' FUNDS REPRESENT BUILD GRANT FUNDS.																													
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE	EB-6043	TOWN COMMON CONNECTOR. CONSTRUCT A MULTI-USE PATH FROM TOWN COMMON TO EAST 5TH STREET.	0.3	3300	O	PE	177		PE	177																	
							L	PE	107		PE	107																	
							O									C	854		C	854									
							L									C	512		C	512									
DIV	PITT																												
'O' FUNDS REPRESENT BUILD GRANT FUNDS.																													
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE	EB-6044	MILLENNIAL CONNECTOR PATH. CONSTRUCT A 0.3 MILE MULTI-USE PATH FROM DICKINSON AVENUE TO 10TH STREET AND A 0.1 MILE MULTI-USE PATH FROM DICKINSON AVENUE TO FICKLEN STREET.	0.4	1050	O	PE	70																				
							L	PE	42																				
							O				C	293		C	293														
							L				C	176		C	176														
DIV	PITT																												
'O' FUNDS REPRESENT BUILD GRANT FUNDS.																													

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											FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032									
FERRY PROJECTS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> VARIOUS	F-5703 F130001	REPLACEMENT VESSEL (SUPPORT FLEET) FOR TUGS AND BARGES		11600	6250	T	C	3250	A																			
							T	C	2100	B																			
DIV	BEAUFORT																												
	BERTIE																												
	BRUNSWICK																												
	CAMDEN																												
	CARTERET																												
	CHOWAN																												
	Craven																												
	CURRITUCK																												
	DARE																												
	DUPLIN																												
	GATES																												
	GREENE																												
	HERTFORD																												
	HYDE																												
	JONES																												
	LENOIR																												
	MARTIN																												
	NEW HANOVER																												
	NORTHAMPTON																												
	ONSLOW																												
	PAMLICO																												
	PASQUOTANK																												
	PENDER																												
	PERQUIMANS																												
	PITT																												
	SAMPSON																												
	TYRRELL																												
	WASHINGTON																												
PUBLIC TRANSPORTATION PROJECTS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE AREA TRANSIT	TG-4767	ROUTINE CAPITAL - BUS STOP SHELTERS, BENCHES, SHOP EQUIPMENT, SPARE PARTS, ENGINES, FAREBOX, SERVICE VEHICLES, ETC		7738	5334	5307	CP	481		CP	481		CP	481		CP	481		CP	481								
							L	CP	120		CP	120		CP	120		CP	120		CP	120								
PT	PITT																												
FUNDS AUTHORIZED IN PROGRESS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE AREA TRANSIT	TG-5107B	PREVENTIVE MAINTENANCE		8717	6017	5307	O	540		O	540		O	540		O	540		O	540								
							L	O	135		O	135		O	135		O	135		O	135								
PT	PITT																												
FUNDS AUTHORIZED IN PROGRESS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE AREA TRANSIT	TG-5107C	OPERATING ASSISTANCE - ADA PARATRANSIT SERVICE		2334	1734	5307	O	120		O	120		O	120		O	120		O	120								
							L	O	30		O	30		O	30		O	30		O	30								
PT	PITT																												
FUNDS AUTHORIZED IN PROGRESS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE AREA TRANSIT	TO-4726	OPERATING ASSISTANCE		18975	13555	5307	O	540		O	540		O	540		O	540		O	540								
							L	O	540		O	540		O	540		O	540		O	540								
							SMAP	O	275		O	275		O	275		O	275		O	275								
PT	PITT																												
FUNDS AUTHORIZED IN PROGRESS																													
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE AREA TRANSIT	TP-5107	PLANNING ASSISTANCE - 5303		461	329	5303	PL	27		PL	27		PL	27		PL	27		PL	27								
							L	PL	3		PL	3		PL	3		PL	3		PL	3								
							S	PL	3		PL	3		PL	3		PL	3		PL	3								
PT	PITT																												
FUNDS AUTHORIZED IN PROGRESS																													

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GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

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											STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM							
											FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032								
PUBLIC TRANSPORTATION PROJECTS																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GREENVILLE AREA TRANSIT	TS-5112	SAFETY & SECURITY	177	162	5307	CP	15																			
PT	PITT																											
FUNDS AUTHORIZED IN PROGRESS																												
PASSENGER RAIL PROJECTS																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	VARIOUS	RC-2002	TRAFFIC SEPARATION STUDY IMPLEMENTATION AND CLOSURES IN DIVISION 2.																								
DIV	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT																											
PROGRAMMED FOR PRELIMINARY ENGINEERING ONLY. INDIVIDUAL PROJECTS AND FUNDING TO BE REQUESTED IN THE FUTURE AS NEEDED.																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	VARIOUS	RX-2002	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS IN DIVISION 2.																								
DIV	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT																											
PROGRAMMED FOR PRELIMINARY ENGINEERING ONLY. INDIVIDUAL PROJECTS AND FUNDING TO BE REQUESTED IN THE FUTURE AS NEEDED.																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	VARIOUS	Y-5802	TRAFFIC SEPARATION STUDY IMPLEMENTATION AND CLOSURES IN DIVISION 2.																								
DIV	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT																											
INDIVIDUAL PROJECTS AND FUNDING TO BE REQUESTED IN THE FUTURE AS NEEDED.																												
<input checked="" type="checkbox"/>	<input type="checkbox"/>	VARIOUS	Z-5802	HIGHWAY-RAIL GRADE CROSSING SAFETY IMPROVEMENTS IN DIVISION 2.																								
DIV	BEAUFORT CARTERET CRAVEN GREENE JONES LENOIR PAMLICO PITT																											
INDIVIDUAL PROJECTS AND FUNDING TO BE REQUESTED IN THE FUTURE AS NEEDED.																												

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RESOLUTION NO. 2020-08-GUAMPO
ADOPTING THE REPROGRAM AMENDMENTS OF THE GREENVILLE URBAN AREA
METROPOLITAN PLANNING ORGANIZATION TRANSPORTATION IMPROVEMENT PROGRAM
FOR FY 2020-2029

WHEREAS, the Transportation Advisory Committee for the Greenville Urban Area has found that the Greenville Urban Area Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and

WHEREAS, the Transportation Advisory Committee has found the Metropolitan Transportation Improvement Program to be in full compliance with title VI of the Civil Rights Act of 1964 and the Title VI Assurance executed by each State under 23 U.S.C. 324 and 29 U.S.C. 794; and

WHEREAS, the Transportation Advisory Committee has considered how the Metropolitan Transportation Improvement Program will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded projects (Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23); and

WHEREAS, the Transportation Advisory Committee has considered how the Metropolitan Transportation Improvement Program will affect the elderly and disabled per the provision of the Americans With Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations; and

WHEREAS, the Metropolitan Transportation Plan (MTP) has a planning horizon year of 2045, and meets all the requirements of an adequate MTP; and

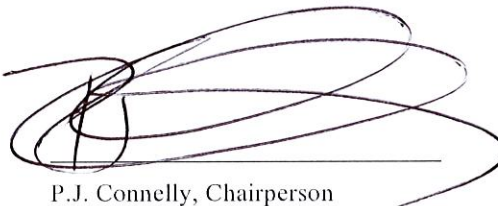
WHEREAS, the Transportation Advisory Committee (TAC) has provided for a formal 30-day public comment period for the proposed reprogram amendments to the Transportation Improvement Program; and

WHEREAS, the Transportation Advisory Committee has solicited public and private transportation provider comments; and

NOW THEREFORE, BE IT RESOLVED that the Transportation Advisory Committee for the Greenville Urban Area adopts the reprogram amendments of the FY 2020 - 2029 Transportation Improvement Program for the Greenville Urban Area Metropolitan Planning Organization.

This 9th day of December 2020.


Amanda Braddy, Secretary


P.J. Connelly, Chairperson
Transportation Advisory Committee
Greenville Urban Area MPO



Attachment 4c

Transportation Advisory Committee

Action Required

March 9, 2021

TO: Transportation Advisory Committee
FROM: Eliud De Jesus, Transportation Planner
SUBJECT: Minor amendments and administrative modifications to the 2020-2029
Metropolitan Transportation Improvement Program (MTIP)

Purpose: To amend the Greenville Urban Area MPO's Metropolitan Transportation Improvement Program (MTIP) to add a new project programmed and to modify existing projects by way of administrative modifications.

Minor Amendments

1. TL-0009 - Great Area Transit Fleet Service Building Expansion
 - Add project to the STIP for FY2021 at the request of the Greenville Urban Area MPO.
2. W-5702P - Various, 128 Secondary Roads and 1 Primary Route (NC 11) in eight counties in Division 2. Install Thermoplastic Pavement Markings.
 - STIP deletion. Project to no longer utilize Build NC Bonds. Specific project break not needed in STIP.

Administrative Modification

3. U-5606 - SR 1598 (Dickinson Avenue) - Improve Roadway from Memorial Drive (NC 11) to Reade Circle.
 - Cost Increase Exceeding \$2 million and 25% thresholds.
4. HS-2002A - SR 1703 (14th Street), Install Crosswalk, Wheelchair Ramps, Sidewalk, and Fencing along SR 1703 (14th Street) from Haskett Way and Berkley Road. Remove two existing obsolete crosswalks.
 - Add project break at request of Transportation Mobility and Safety. Construction in FY 2021.
5. R-5782 - Various, Division 2 Program to upgrade intersections to comply with the Americans with Disabilities Act (ADA) using Transportation Alternatives (TA) funds.
 - Add funding in FY 21 and FY 22 not previously programmed.

Action Needed: Request the TAC approve the minor amendments and administrative modifications to the 2020-2029 Metropolitan Transportation Improvement Program (MTIP).

Attachments: *MTIP amendment reference pages*

REVISIONS TO THE 2020-2029 STIP
HIGHWAY PROGRAM

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP ADDITIONS

* TL-0009	- GREENVILLE URBAN AREA	FLEET SERVICE BUILDING EXPANSION.	CONSTRUCTION	FY 2021 -	\$13,000	(L)
PITT	METROPOLITAN PLANNING ORGANIZATION	<u>ADD PROJECT TL-0009 TO STIP FOR FY 2021. NEW</u>		FY 2021 -	\$113,000	(CARES)
PROJ.CATEGORY		<u>PROJECT DEVELOPED FOR FEDERAL FUNDING</u>		FY 2022 -	\$85,000	(L)
PUBLIC TRANS		<u>AWARD. PROJECT ADDED AT THE REQUEST OF</u>		FY 2022 -	\$765,000	(CARES)
		<u>GREENVILLE URBAN AREA MPO</u>			\$976,000	

* INDICATES FEDERAL AMENDMENT

Thursday, February 4, 2021

**REVISIONS TO THE 2020-2029 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 2

* HS-2002A PITT PROJ.CATEGORY DIVISION	SR 1703 (14TH STREET), INSTALL CROSSWALK, WHEELCHAIR RAMPS, SIDEWALK, AND FENCING ALONG SR 1703 (14TH STREET) FROM HASKETT WAY AND BERKLEY ROAD. REMOVE TWO EXISTING OBSOLETE CROSSWALKS. <u>ADD PROJECT BREAK AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 -	\$50,000 \$50,000	(HSIP)
* HS-2002B CARTERET PROJ.CATEGORY REGIONAL	NC 24, NC 24 BETWEEN SR 1259 (TAYLOR NOTION ROAD) AND US 70. INSTALL PAVEMENT MARKINGS AND RUMBLE STRIPES ON TWO-WAY LEFT TURN LANE. <u>ADD PROJECT BREAK AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 -	\$640,000 \$640,000	(HSIP)
R-5777C CRAVEN PROJ.CATEGORY STATEWIDE	US 70, EAST OF THURMAN ROAD TO HAVELOCK BYPASS. UPGRADE ROADWAY TO FREEWAY AND CONSTRUCT SERVICE ROADS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2023 - FY 2024 - FY 2023 - FY 2023 - FY 2024 - FY 2025 - FY 2026 -	\$14,250,000 \$14,250,000 \$1,100,000 \$42,125,000 \$42,125,000 \$42,125,000 \$42,125,000 \$198,100,000	(T) (T) (T) (T) (T) (T) (T)
* R-5782 LENOIR BEAUFORT CARTERET JONES CRAVEN PAMLICO GREENE PITT PROJ.CATEGORY DIVISION	VARIOUS, DIVISION 2 PROGRAM TO UPGRADE INTERSECTIONS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) USING TRANSPORTATION ALTERNATIVES (TA) FUNDS. <u>ADD FUNDING IN FY 21 AND FY 22 NOT PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 - FY 2020 - FY 2021 - FY 2021 - FY 2022 - FY 2022 -	\$100,000 \$400,000 \$200,000 \$800,000 \$200,000 \$800,000 \$2,500,000	(S) (TA) (S) (TA) (S) (TA)
* U-5606 PITT PROJ.CATEGORY DIVISION	SR 1598 (DICKINSON AVENUE), NC 11 TO READE CIRCLE. IMPROVE ROADWAY. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2022 - FY 2023 -	\$5,850,000 \$5,850,000 \$11,700,000	(BG5200) (BG5200)

* INDICATES FEDERAL AMENDMENT

Thursday, February 4, 2021

**REVISIONS TO THE 2020-2029 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 14

R-5865	US 276, US 64 TO AVERY CREEK TRAIL HEAD. WIDEN	CONSTRUCTION	FY 2023 -	\$2,520,000	(FLAP)
TRANSYLVANIA	TO 3-LANES WITH BICYCLE LANES. NC FLAP DOT		FY 2023 -	\$630,000	(S(M))
PROJ.CATEGORY	276(1).			\$3,150,000	
EXEMPT	<u>TO ASSIST IN BALANCING FUNDS, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>				

* TG-6143	APPLE COUNTRY TRANSIT, W. CAROLINA	CAPITAL	FY 2020 -	\$8,000	(L)
HENDERSON	COMMUNITY, ROUTINE CAPITAL - BUS STOP		FY 2020 -	\$31,000	(5307)
PROJ.CATEGORY	SHELTERS, BENCHES, SHOP EQUIPMENT, SPARE		FY 2021 -	\$8,000	(L)
	PARTS, ENGINES, FAREBOX, SERVICE VEHICLES, ETC		FY 2021 -	\$116,000	(5307)
	<u>ADD 5307 FUND TO FY 2021</u>		FY 2022 -	\$8,000	(L)
			FY 2022 -	\$31,000	(5307)
			FY 2023 -	\$8,000	(L)
			FY 2023 -	\$31,000	(5307)
				\$241,000	

STIP DELETIONS**DIVISION 2**

* W-5702P	VARIOUS, 128 SECONDARY ROADS AND 1 PRIMARY	CONSTRUCTION	FY 2021 -	\$2,995,000	(T)
JONES	ROUTE (NC 11) IN			\$2,995,000	
GREENE	EIGHT COUNTIES IN DIVISION 2. INSTALL				
PAMLICO	THERMOPLASTIC				
BEAUFORT	PAVEMENT MARKINGS.				
LENOIR	<u>PROJECT TO NO LONGER UTILIZE BUILD NC BONDS.</u>				
PITT	<u>SPECIFIC PROJECT BREAK NOT NEEDED IN STIP.</u>				
CRAVEN					
CARTERET					

DIVISION 5

* U-6095	US 64 BUSINESS (NEW BERN AVENUE), FREEDOM	RIGHT-OF-WAY	FY 2021 -	\$90,000	(BGDA)
WAKE	DRIVE TO PATRIOT DRIVE IN RALEIGH. ADD LANE IN		FY 2021 -	\$22,000	(L)
PROJ.CATEGORY	EASTBOUND DIRECTION.	CONSTRUCTION	FY 2022 -	\$320,000	(BGDA)
REGIONAL	<u>PROJECT DELETED AT THE REQUEST OF MPO.</u>		FY 2022 -	\$80,000	(L)
	<u>PROJECT DECLINED BY CITY.</u>			\$512,000	

* INDICATES FEDERAL AMENDMENT

Thursday, December 3, 2020



Attachment 3b

Transportation Advisory Committee

Action Required

July 14, 2021

TO: Transportation Advisory Committee
FROM: Eliud De Jesus, Transportation Planner
SUBJECT: Minor amendments and administrative modifications to the 2020-2029
Metropolitan Transportation Improvement Program (MTIP)

Purpose: To amend the Greenville Urban Area MPO's Metropolitan Transportation Improvement Program (MTIP) to add a new project programmed and to modify existing projects by way of administrative modifications.

Minor Amendments

1. B-4786 – US 13, Bridge 38 over the Tar River on US 13 in Greenville.
 - Add project to the STIP for FY 2022 at the request of Structures Management.
2. W-5802D – SR 1598, SR 1598 (10th Street) at Anderson Street. Install rectangular rapid flash beacon and pavement markings at crosswalk.
 - Accelerate construction from FY 2022 to FY 2021 at the request of Transportation Mobility and Safety.
 - Delete, work completed by the municipality.

Administrative Modification

3. U-6215 – NC 33, SR 1755 (Blackjack-Simpson Road) to SR 1760 (Mobley Bridge Road). Widen to Multi-lanes.
 - Cost Increase Exceeding \$2 million and 25% thresholds. Cost increased from \$81,229,000 to \$103,100,000.
4. B-4603 – SR 1715 (Jack Jones Road), replace bridge 730029 over Fork Swamp.
 - To allow additional time for planning and design, delay Right-Of-Way from FY 2021 to FY 2022.
5. U-6240 - West 5th Street, from Cadillac Street to Reade Circle, Rehabilitation and Realignment Project
 - Cost increase exceeding \$2 million and 25% thresholds. To allow additional time for planning and design, add Preliminary Engineering in FY22 and Right-of-Way in FY 21, delay Construction from FY21 to FY22.
6. EB-6042 - South Tar River Greenway, from the Town Common to the Veterans Administration Clinic along Moye Boulevard, Construct Multi-Use Trail.
 - Add Preliminary Engineering in FY 20 and Right-of-Way in FY 21, not previously programmed. To allow additional time for planning and design, delay Construction from FY21 to FY22.

7. EB-6043 - Town Common Connector, from Town Common to East 5th Street, Construct a Multi-Use Path.
 - Add Right-of-Way in FY 21, not previously programmed. To allow additional time for planning and design, delay Construction from FY21 to FY22.
8. EB-6044 - Millennial Connector Path, from Dickinson Avenue to 10th Street and from Dickinson Avenue to Ficklen Street, Construct Multi-Use Path
 - Add Right-of-Way in FY 21, not previously programmed. To allow additional time for planning and design, delay Construction from FY21 to FY22.
9. EB-6045 - Moye Boulevard, along Moye Boulevard, Construct a Multi-Use Path to replace existing sidewalk
 - Add Right-of-Way in FY 21, not previously programmed. To allow additional time for planning and design, delay Construction from FY21 to FY22.

The Greenville MPO's Fiscal Constraint STIP Funding Summary table was added.

Action Needed: Request the TAC approve the minor amendments and administrative modifications to the 2020-2029 Metropolitan Transportation Improvement Program (MTIP).

Attachments: *Resolution NO. 2021-05-GUAMPO and the MTIP amendment reference pages*

**RESOLUTION NO. 2021-05-GUAMPO
REQUESTING THE AMENDMENT OF THE STATEWIDE TRANSPORTATION
IMPROVEMENT PROGRAM FOR FY 2020-2029**

WHEREAS, the Transportation Advisory Committee for the Greenville Urban Area has found that the Greenville Urban Area Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and

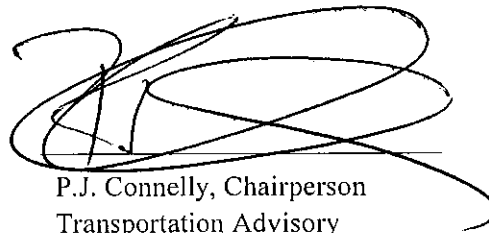
WHEREAS, the Transportation Advisory Committee for the Greenville Urban Area has reviewed the current FY 2020-2029 Statewide Transportation Improvement Program and found the need to request an amendment;

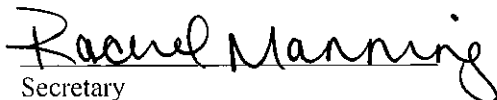
WHEREAS, the following amendment to the FY 2020-2029 Metropolitan Transportation Improvement Program has been approved;

(see Exhibit attached hereto)

NOW THEREFORE, BE IT RESOLVED that the Transportation Advisory Committee for the Greenville Urban Area adopts the amendments of the FY 2020 - 2029 Transportation Improvement Program for the Greenville Urban Area Metropolitan Planning Organization.

This 14th day of July 2021,


P.J. Connelly, Chairperson
Transportation Advisory
Committee Greenville Urban Area
MPO


Secretary

FISCAL CONSTRAINT - STIP FUNDING SUMMARY 2020 - 2023 (September 2019)

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

HIGHWAY PROGRAM

FUNDING	FUNDING DESCRIPTION	FUNDING TYPE	<i>(ESTIMATED COST ARE IN THOUSANDS OF DOLLARS)</i>			
			FY 2020	FY 2021	FY 2022	FY 2023
BG5200	Surface Transportation Block Grant Program (5K - 200K)	F	23767		5997	6057
BGOFF	Surface Transportation Block Grant Program (Off System)	F		91		931
HFB	Highway Fund Bridge Replacement Program	S		1015		
HSIP	HIGHWAY SAFETY IMPROVEMENT PROGRAM	F	17	219		
L	Local	O	257	1790	1471	1523
NHPB	National Highway Performance Program(Bridge)	F			4203	4245
NHPIM	National Highway Performance Program (Interstate Maintenance)	F	351	355	359	362
O	Local, Non Federal or State Funds	O	429	2986	2452	2539
S	State	S	13	26	26	
T	Highway Trust Funds	S	184	186	187	190
TA	Transportation Alternatives Program (Uncategorized)	F	52	105	106	
SUBTOTAL			25070	6773	14801	15847

NON-HIGHWAY PROGRAM

FUNDING	FUNDING DESCRIPTION	FUNDING TYPE	<i>(ESTIMATED COST ARE IN THOUSANDS OF DOLLARS)</i>			
			FY 2020	FY 2021	FY 2022	FY 2023
5303	Metropolitan Planning (FMPL)	F	27	27	27	27
5307	Urbanized Area Formula Program (FUZ)	F	1702	1705	1722	1740
CARES	CARES Act Funding	F		114	784	
L	Local	O	1130	1983	1834	1386
O	Local, Non Federal or State Funds	O	499	1886	1501	884
S	State	S	3	3	3	3
SMAP	Operating Assistance and State Maintenance	S	276	279	281	284
T	Highway Trust Funds	S	429			
SUBTOTAL			4066	5997	6152	4324
TOTAL			29136	12770	20953	20171

**REVISIONS TO THE 2020-2029 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 2

* B-4593 PAMLICO PROJ.CATEGORY REGIONAL	NC 55, BRIDGE 38 OVER THE TRENT CREEK ON NC 55. <u>ADD PROJECT TO STIP AT THE REQUEST OF STRUCTURES MANAGEMENT.</u>	CONSTRUCTION	FY 2022 -	<u>\$4,200,000</u> \$4,200,000	(NHPB)
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* B-4786 PITT PROJ.CATEGORY REGIONAL	US 13, BRIDGE 38 OVER THE TAR RIVER ON US 13 IN GREENVILLE. <u>ADD PROJECT TO STIP AT THE REQUEST OF STRUCTURES MANAGEMENT.</u>	CONSTRUCTION	FY 2022 - FY 2023 -	<u>\$4,100,000</u> <u>\$4,100,000</u> \$8,200,000	(NHPB) (NHPB)
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DIVISION 4

* HI-0008 JOHNSTON PROJ.CATEGORY STATEWIDE	I-95, I-95 FROM MILE MARKER 97 TO MILE MARKER 101. PAVEMENT REHABILITATION. <u>PROJECT ADDED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITY.</u>	CONSTRUCTION	FY 2021 -	<u>\$6,603,000</u> \$6,603,000	(NHPIM)
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DIVISION 5

* B-4654 WAKE PROJ.CATEGORY REGIONAL	NC 50, REPLACE BRIDGE 910069 OVER US 70 IN GARNER. <u>PROJECT WILL UTILIZE FEDERAL FUNDS.</u>	CONSTRUCTION	FY 2022 -	<u>\$9,000,000</u> \$9,000,000	(NHPB)
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* HI-0001 GRANVILLE DURHAM PROJ.CATEGORY STATEWIDE	I-85 / US 15, NORTH OF SR 1637 (REDWOOD ROAD) IN DURHAM COUNTY TO SOUTH OF US 15 / SR 1100 (GATE ONE ROAD) IN GRANVILLE COUNTY. PAVEMENT REHABILITATION. <u>PROGRAMMED TO REFLECT LATEST INTERSTATE MAINTENANCE PRIORITY.</u>	CONSTRUCTION	FY 2021 -	<u>\$2,600,000</u> \$2,600,000	(NHPIM)
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DIVISION 7

* B-5717 GUILFORD PROJ.CATEGORY DIVISION	SR 4240 (GATE CITY BOULEVARD), REPLACE BRIDGE 400109 AND BRIDGE 400121 OVER SOUTH BUFFALO CREEK IN GREENSBORO. <u>PROJECT WILL UTILIZE FEDERAL FUNDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2021 - FY 2021 - FY 2022 -	<u>\$710,000</u> <u>\$165,000</u> <u>\$7,100,000</u> \$7,975,000	(S) (S) (NHPB)
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* INDICATES FEDERAL AMENDMENT

Thursday, May 6, 2021

**REVISIONS TO THE 2020-2029 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 2

R-5942 GREENE PROJ.CATEGORY DIVISION	US 13/US 258, NC 91 TO US 258 SPLIT. UPGRADE TO FREEWAY. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2029 - POST YR- FY 2029 - POST YR- \$76,300,000	(T) (T) (T) (T)
R-5945 CARTERET PROJ.CATEGORY DIVISION	US 70 (LIVE OAK STREET), NC 101 TO SR 1429 (OLGA ROAD). ACCESS MANAGEMENT. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2029 - POST YR- FY 2029 - POST YR- \$56,000,000	(NHP) (NHP) (NHP) (NHP)
R-5946 CARTERET PROJ.CATEGORY DIVISION	US 70 (LIVE OAK STREET), SR 1310 (LENNOXVILLE ROAD). UPGRADE INTERSECTION. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2028 - FY 2028 - POST YR- \$7,800,000	(NHP) (NHP) (NHP)
* TA-5165 CRAVEN PROJ.CATEGORY PUBLIC TRANS	CRAVEN AREA RURAL TRANSPORTATION SYSTEM, RURAL VEHICLE REPLACEMENT. <u>MODIFY THE DESCRIPTION AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2020 - FY 2020 - FY 2022 - FY 2022 - FY 2023 - FY 2023 - \$150,160,000	(L) (5307) (L) (5307) (L) (5307)
U-6215 PITT PROJ.CATEGORY DIVISION	NC 33, SR 1755 (BLACKJACK-SIMPSON ROAD) TO SR 1760 (MOBLEYS BRIDGE ROAD). WIDEN TO MULTI-LANES. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2029 - POST YR- FY 2029 - POST YR- POST YR- \$103,100,000	(T) (T) (T) (T) (T)

* INDICATES FEDERAL AMENDMENT

Thursday, May 6, 2021

REVISIONS TO THE 2020-2029 STIP

TRANSPORTATION PROGRAM
STIP MODIFICATIONS

DIVISION 2

W-5802B CARTERET PROJ.CATEGORY REGIONAL	NC 58, NC 58 (E. FORT MACON ROAD) AT BROOKS STREET. INSTALL RECTANGULAR RAPID FLASH BEACON AT CROSSWALK. <u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 - <u>\$30,000</u> \$30,000	(HSIP)
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W-5802C CARTERET PROJ.CATEGORY REGIONAL	NC 58, NC 58 (E. FORT MACON ROAD) AT E. BOGUE SOUND DRIVE. INSTALL RECTANGULAR RAPID FLASH BEACON AT CROSSWALK. <u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 - <u>\$30,000</u> \$30,000	(HSIP)
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W-5802D PITT PROJ.CATEGORY DIVISION	SR 1598, SR 1598 (10TH STREET) AT ANDERSON STREET. INSTALL RECTANGULAR RAPID FLASH BEACON AND PAVEMENT MARKINGS AT CROSSWALK. <u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 - <u>\$32,000</u> \$32,000	(HSIP)
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W-5802E CARTERET CRAVEN PAMLICO PROJ.CATEGORY STATEWIDE	US 70, NC 55, US 70 BETWEEN NUNN STREET AND SR 1605 (FRIENDLY ROAD) IN MOREHEAD CITY, AND NC 55 BETWEEN US 17 IN BRIDGETON AND SR 1210 (1ST STREET) IN BAYBORO. INSTALL 6 INCH LONG LIFE PAVEMENT MARKINGS. <u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF TRANSPORTATION MOBILITY AND SAFETY.</u>	CONSTRUCTION	FY 2021 - <u>\$865,000</u> \$865,000	(HSIP)
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DIVISION 3

EB-6034 BRUNSWICK PROJ.CATEGORY DIVISION	SR 1144 (FIRST STREET), CONSTRUCTION OF BIKE LANES ON BOTH SIDES OF FIRST STREET FROM EAST OF WEST FIRST STREET EXTENSION TO EAST OF GREENSBORO STREET IN OCEAN ISLE BEACH. <u>DESCRIPTION UPDATED AT THE REQUEST OF THE MPO TO ACCURATELY REFLECT SCOPE.</u>	CONSTRUCTION	FY 2021 - \$473,000 FY 2021 - <u>\$315,000</u> \$788,000	(BGDA) (L)
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* INDICATES FEDERAL AMENDMENT

Thursday, April 8, 2021

REVISIONS TO THE 2020-2029 STIP HIGHWAY PROGRAM

GREENVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

B-4603	- GREENVILLE URBAN AREA	SR 1715 (JACK JONES ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2022 -	\$90,000	(BGOFF)
PITT	METROPOLITAN PLANNING ORGANIZATION	730029 OVER FORK SWAMP.	CONSTRUCTION	FY 2023 -	\$900,000	(BGOFF)
PROJ.CATEGORY		<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>			\$990,000	
DIVISION		<u>DESIGN. DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</u>				

STIP DELETIONS

* W-5802D	- GREENVILLE URBAN AREA	SR 1598, SR 1598 (10TH STREET) AT ANDERSON	CONSTRUCTION	FY 2021 -	\$32,000	(HSIP)
PITT	METROPOLITAN PLANNING ORGANIZATION	STREET. INSTALL RECTANGULAR RAPID FLASH			\$32,000	
PROJ.CATEGORY		BEACON AND PAVEMENT MARKINGS AT CROSSWALK.				
DIVISION		<u>DELETE. WORK TO BE COMPLETED BY THE</u>				
		<u>MUNICIPALITY.</u>				

* INDICATES FEDERAL AMENDMENT

Thursday, June 10, 2021

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
COMMITTED / NON	ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM					UNFUNDED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
							FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
<input checked="" type="checkbox"/>	<input type="checkbox"/> GREENVILLE	EB-6042	SOUTH TAR RIVER GREENWAY. CONSTRUCT MULTI-USE TRAIL FROM THE TOWN COMMON TO THE VETERANS ADMINISTRATION CLINIC ALONG MOYE BOULEVARD IN GREENVILLE.	1	4206	O	PE	34	PE	69	PE	34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

DIV - Division Category

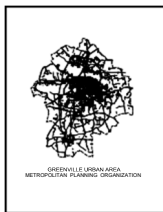
HF - State Dollars (Non STI)

SW - Statewide Category

EX - Exempt Category

REG - Regional Category

TRN - Transition Project



Attachment 3d

Transportation Advisory Committee

Action Required

November 10, 2021

TO: Transportation Advisory Committee
FROM: Eliud De Jesus, Transportation Planner
SUBJECT: Amendments to the 2020-2029 Metropolitan Transportation Improvement Program (MTIP)

Purpose: To amend the Greenville Urban Area MPO's Metropolitan Transportation Improvement Program (MTIP) to add a new project programmed and to modify existing project.

Amendments:

1. HS-2002E – Greenville Boulevard (US 264 Alternate), at Old Pactolus Road (SR 1534). Construct a Restricted-Crossing Intersection
 - Add project to the STIP for FY 2022 at the request of Transportation Mobility and Safety Division.
2. U-5917 – Fourteenth Street (SR 1704) from Red Banks Road to Firetower Road (SR 1708). Widen to multi-lanes.
 - Cost Increase Exceeding \$2 Million and 25% Thresholds. Cost increased from \$18,189,000 to \$20,181,000.

Action Needed: Approve the proposed amendments to the 2020-2029 Metropolitan Transportation Improvement Program (MTIP).

Attachments: *Resolution NO. 2021-08-GUAMPO and the MTIP amendment reference pages*

**RESOLUTION NO. 2021-08-GUAMPO
REQUESTING THE AMENDMENT OF THE STATEWIDE TRANSPORTATION
IMPROVEMENT PROGRAM FOR FY 2020-2029**

WHEREAS, the Transportation Advisory Committee for the Greenville Urban Area has found that the Greenville Urban Area Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and

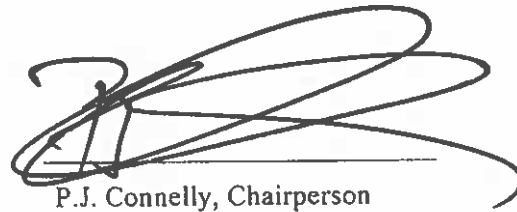
WHEREAS, the Transportation Advisory Committee for the Greenville Urban Area has reviewed the current FY 2020-2029 Statewide Transportation Improvement Program and found the need to request an amendment;

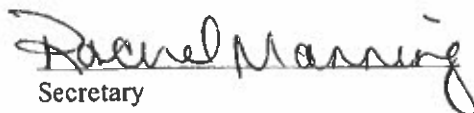
WHEREAS, the following amendment to the FY 2020-2029 Metropolitan Transportation Improvement Program has been approved;

(see Exhibit attached hereto)

NOW THEREFORE, BE IT RESOLVED that the Transportation Advisory Committee for the Greenville Urban Area adopts the amendments of the FY 2020 - 2029 Transportation Improvement Program for the Greenville Urban Area Metropolitan Planning Organization.

Today, November 10, 2021,


P.J. Connelly, Chairperson
Transportation Advisory Committee
Greenville Urban Area MPO


Secretary

STIP MODIFICATIONS

44