



NORTH CAROLINA
Department of Transportation

Introduction to Programming

NCDOT Division of Planning and Programming

August 14, 2024

Overview of the STIP Document



Bicycle &
Pedestrian



Rail



Public
Transportation



Aviation



Ferry



Highway

Federal Statutory Requirements

- Spans a minimum 4-year period, submitted for FHWA approval at least every 4 years
- Fiscally constrained by year
- Includes all capital and non-capital projects using Title 23 USC or Title 49 USC funds
- Includes metropolitan TIPs from MPOs and RPO input
- Public comment opportunity on STIP document

State Statutory Requirements

- Follows STI law (GS 136-189.10 and GS 136-189.11)
- Spans a 10-year period, adopted by the Board of Transportation
- Fiscally constrained in the first 5 years as well as the full 10 years
- STIP amendments must have a 30-day review period
 - Amendments run on the Item N handout for information only, with approval the following month on Item N Final

Reading the 2024-2033 STIP

2024-2033 STATE TRANSPORTATION IMPROVEMENT PROGRAM																
NOTES: AMOUNTS SHOWN ARE PROJECT ESTIMATE AMOUNTS REMAINING. ANY AMOUNTS PROGRAMMED FOR ACTIVITIES OTHER THAN RIGHT-OF-WAY, UTILITIES, OR CONSTRUCTION ARE INCLUDED UNDER "OTHER ACTIVITIES".																
BASIC PROJECT INFORMATION									FISCAL YEAR PROJECT PHASE SCHEDULED TO START							
COUNTY(S)	ROUTE/CITY	RESPONSIBLE AGENCY	DESCRIPTION	MODE	FUNDING PROGRAM	DIVISION(S)	MPOs/RPOs	PROJECT ID	STI CATEGORY FUNDED	FUNDING SOURCE (SEE FUNDING SOURCES TAB FOR MORE INFO)	RIGHT-OF-WAY PROJECTED SCHEDULE	TOTAL REMAINING FUNDS NEEDED FOR RIGHT-OF-WAY	UTILITIES PROJECTED SCHEDULE	TOTAL REMAINING FUNDS NEEDED FOR UTILITIES	CONSTRUCTION PROJECTED SCHEDULE	TOTAL REMAINING FUNDS NEEDED FOR CONSTRUCTION
ALAMANCE	BURLINGTON- ALAMANCE REGIONAL AIRPORT (BUY)	BURLINGTON-ALAMANCE REGIONAL AIRPORT (BUY)	OBTAIN NAVIGATION EASEMENTS AND CLEAR OBSTRUCTIONS IN THE RUNWAY 24 APPROACH.	AVIATION	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	AV-5737	DIVISION 7	L, T	2027	\$1,200,000				
ALAMANCE	BURLINGTON- ALAMANCE REGIONAL AIRPORT (BUY)	BURLINGTON-ALAMANCE REGIONAL AIRPORT (BUY)	CONSTRUCT 100 FT PAVED OVERRUN AND MAKE SAFETY ENHANCEMENTS.	AVIATION	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	AV-5851	DIVISION 7	T					2027	\$2,080,000
ALAMANCE	US 70 (NORTH CHURCH STREET)	BURLINGTON	SR 1716 (GRAHAM-HOPEDALE ROAD) TO SR 1719 (SELLARS MILL ROAD) IN BURLINGTON. CONSTRUCT SIDEWALK.	BIKE/PED	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	EB-5879	DIVISION 7	L, TA5200	2024	\$28,000			2024	\$66,000
ALAMANCE	US 70 (NORTH CHURCH STREET)	BURLINGTON	BEAUMONT AVENUE TO SR 1716 (GRAHAM-HOPEDALE ROAD) IN BURLINGTON. CONSTRUCT SIDEWALK.	BIKE/PED	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	EB-5885	DIVISION 7	L, TA5200					2023	\$120,000
ALAMANCE	LEE AVENUE	ELON	WEST LEBANON AVENUE TO SR 1454 (WEST HAGGARD AVENUE) IN ELON. CONSTRUCT SIDEWALK.	BIKE/PED	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	EB-5988	DIVISION 7	L, TA5200	2025	\$5,000			2026	\$272,000
ALAMANCE	SR 1212 (POND ROAD)	NCDOT	REPLACE BRIDGE 000170 OVER PRONG OF ALAMANCE CREEK IN ALAMANCE.	HIGHWAY	BRIDGES	7	BURLINGTON-GRAHAM MPO	B-5347	HIGHWAY FUND							
ALAMANCE	NC 87	NCDOT	NC 87 AT I-40 EASTBOUND ON-RAMP. INSTALL PEDESTRIAN ACCOMMODATIONS.	HIGHWAY	SAFETY	7	BURLINGTON-GRAHAM MPO	HS-2007F	REGION D	HSIP					2023	\$87,000
ALAMANCE	I-40 / I-85	NCDOT	EAST OF GUILFORD COUNTY LINE TO EAST OF NC 49. PAVEMENT REHABILITATION.	HIGHWAY	INTERSTATE MAINTENANCE	7	BURLINGTON-GRAHAM MPO	I-5309	STATEWIDE MOBILITY							
ALAMANCE	I-40 / I-85	NCDOT	SR 1007 (MEBANE-OAKS ROAD) IN MEBANE. INTERCHANGE IMPROVEMENTS.	HIGHWAY	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	I-5711	STATEWIDE MOBILITY	NHP, S(M)					2020	\$13,133,000
ALAMANCE	I-40 / I-85	NCDOT	0.2 MILE EAST OF NC 49 TO 0.2 MILE EAST OF NC 54 IN GRAHAM. PAVEMENT REHABILITATION.	HIGHWAY	INTERSTATE MAINTENANCE	7	BURLINGTON-GRAHAM MPO	I-5836	STATEWIDE MOBILITY							
ALAMANCE	I-40 / I-85	NCDOT	SR 1158 (HUFFMAN MILL ROAD) INTERCHANGE. CONSTRUCT ADDITIONAL LEFT TURN LANE ON I-40 WESTBOUND RAMP AND IMPROVE OPERATIONS AT SR 1308 (GARDEN ROAD)	HIGHWAY	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	I-6009	STATEWIDE MOBILITY	T	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$700,000	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$100,000	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$1,000,000
ALAMANCE	I-40 / I-85	NCDOT	SR 1981 (TROLLINGWOOD-HAWFIELDS ROAD) IN MEBANE. UPGRADE INTERCHANGE.	HIGHWAY	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	I-6059	DIVISION 7	NHP	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$600,000	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$200,000	FUNDED FOR PRELIMINARY ENGINEERING ONLY	\$7,100,000
ALAMANCE	NC 119	NCDOT	NC 119 RELOCATION, I-85 TO SOUTH OF SR 1918 (MRS. WHITE ROAD) IN MEBANE. FOUR-TO-SIX-LANE FACILITY ON NEW LOCATION.	HIGHWAY	STI (PRIORITIZATION)	7	BURLINGTON-GRAHAM MPO	U-3109								

Reading the 2024-2033 STIP – 2nd Tab (Cashflows)

2024-2033 STATE TRANSPORTATION IMPROVEMENT PROGRAM As amended by the Board of Transportation and approved by FHWA (January 2024)														2024-2033 STIP WINDOW										
PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	DESCRIPTION	COUNTY(S)	DIVISION(S)	MPOs/RPOs	COMMENT	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	TOTAL FUNDED (MAY INCLUDE PREVIOUSLY AUTHORIZED FUNDS)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	AFTER 2033	
R-3833C	Highway	STI (Prioritization)	SR 1100 (BRAWLEY SCHOOL ROAD)	I-77 TO US 21	IREDELL	12	Charlotte Regional TPO	RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING: \$14.7M FOR CONSTRUCTION, PAYBACK FY 2024-2038 (FY 2024 / YR 6 SALE).	Division 12	T	RIGHT-OF-WAY	5,210,000	160,000											
R-3833C	Highway	STI (Prioritization)	SR 1100 (BRAWLEY SCHOOL ROAD)	I-77 TO US 21	IREDELL	12	Charlotte Regional TPO	RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING: \$14.7M FOR CONSTRUCTION, PAYBACK FY 2024-2038 (FY 2024 / YR 6 SALE).	Division 12	T	BUILD NC CON	18,915,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	1,261,000	6,305,000
R-3833C	Highway	STI (Prioritization)	SR 1100 (BRAWLEY SCHOOL ROAD)	I-77 TO US 21	IREDELL	12	Charlotte Regional TPO	RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING: \$14.7M FOR CONSTRUCTION, PAYBACK FY 2024-2038 (FY 2024 / YR 6 SALE).	Division 12	T	CONSTRUCTION	14,900,000	0	3,652,000	8,584,000	2,664,000								
R-3833C	Highway	STI (Prioritization)	SR 1100 (BRAWLEY SCHOOL ROAD)	I-77 TO US 21	IREDELL	12	Charlotte Regional TPO	RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING: \$14.7M FOR CONSTRUCTION, PAYBACK FY 2024-2038 (FY 2024 / YR 6 SALE).	Division 12	L	CONSTRUCTION	890,000	890,000											

If your project is in the “Scheduled for Delivery” window (aka Committed), then:

- The cashflows for each phase and fund source will appear as a row
- Actual dollars are shown, not in the \$1,000s

If your project is “Funded for PE Only” (aka Non-Committed), then:

- There will be row for each phase and fund source but no cashflows will appear

STIP-ID / Funding Programs

Highway

- HP: Highway STI (Prioritization)
- HI: Highway Interstate Maintenance
- HS: Highway Safety
- HB: Highway Bridge
- HM: Highway Municipal Bridge
- HL: Highway Locally Selected
- HE: Highway Economic Development
- HA: Highway Appalachian Development Hwy System
- HF: Highway Federal Lands Access Program
- HV: Highway National Electric Vehicle Infrastructure
- HO: Highway Other
- HN: Highway – NCDOT Selected (other selection process)

Transit

- TP: Transit STI (Prioritization)
- TE: Transit Economic Development
- TL: Transit Locally Selected
- TM: Transit Operations and Maintenance
- TG: Transit Routine Capital and Preventative Maintenance
- TC: Transit Capital (Non- STI)
- TU: Transit Planning
- TO: Transit Miscellaneous/ Other
- TN: Transit – NCDOT Selected (other selection process)

STIP-ID / Funding Programs

Aviation

- AP: Aviation STI (Prioritization)
- AE: Aviation Economic Development
- AL: Aviation Locally Selected
- AO: Aviation Other

Ferry

- FP: Ferry STI (Prioritization)
- FL: Ferry Locally Selected
- FF: Ferry Federal Lands Access Program
- FO: Ferry Other

Bike & Ped

- BP: Bike & Ped STI (Prioritization)
- BL: Bike & Ped Locally Selected
- BF: Bike & Ped Federal Lands Access Program
- BO: Bike & Ped Other
- BN: Bike & Ped – NCDOT Selected (other selection

Rail

- RP: Rail STI (Prioritization)
- RX: Rail-Highway Grade Crossing Improvement
- RL: Rail Locally Selected
- RO: Rail Other

Fund Sources

Federal Subject to STI

- NHPP – National Hwy Performance Program
- STBG (including all suballocated funds such as STBG-DA) – Surface Transportation Block Grant Program
- HSIP – Highway Safety Improvement Program
- NHFP – National Highway Freight Program
- TAP (Includes all suballocated funds such as TAP-DA) – Transportation Alternatives Program
- RR – Railway-Highway Crossing Improvement Program
- PROTECT – Resiliency Program

Federal NOT Subject to STI (Exempt)

- ADHS – Appalachian Development Highway System
- CMAQ – Congestion Mitigation
- CRP (includes CRP-DA) – Carbon Reduction Program
- FLAP – Federal Lands Access Program
- HP – Federal Earmarks
- DP – Federal Discretionary Grants

State Subject to STI

- T – Highway Trust Funds
- T(DA) – Highway Trust Funds (Fund Swap for DA)

State NOT Subject to STI

- HF(M), HF, and HFB – Highway Fund
- S – State (includes legislative appropriations)

Other NOT Subject to STI

- L(M) or L – Local
- O – Other

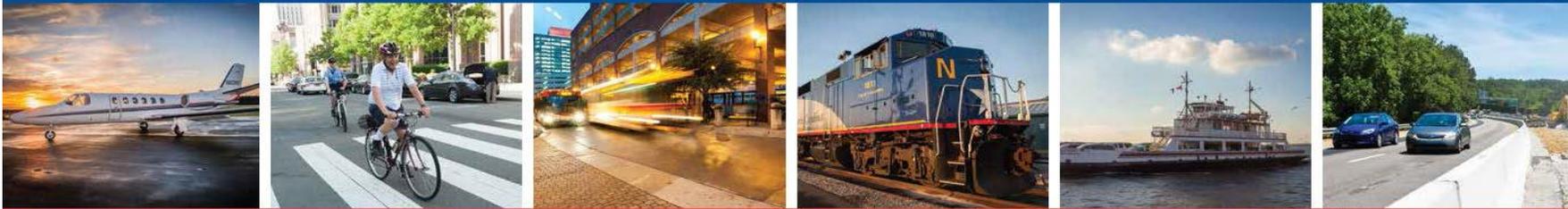
Annual STIP Tests

Category	2024	2025	2026	2027	2028	Total
Statewide						Budget Target
Regional						Budget Target
Division	 	 	 	 	 	Budget Target
	Annual Budget	Annual Budget	Annual Budget	Annual Budget	Annual Budget	

Test	Key	Level	Testing	Threshold
Annual Budget Test		Federal	Annual amount programmed vs annual budget	Per FHWA guidance
Limitation on Variance – 5 year		State	5-year programmed amounts vs budget targets set by law Per statewide, regional and division categories	+/- 15 %
Limitation on Variance – 10 year		State	10-year programmed amounts vs budget targets set by law Per statewide, regional and division categories	+/- 10 %



STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP)



2024-2033

2023

June 2023

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

- **April 2022**
Draft 2024 - 2033 STIP released
- **July 2022**
SL 2022-74; Additional revenue appropriated
- **August 2022**
Revised Draft 2024-2033 STIP released
Includes new revenues
- **June 2023**
Final 2024-2033 STIP to be adopted by BOT
- **Sept 2023**
Final 2024-2027 STIP Approved by FHWA

Projects in the STIP

Projects selected through Prioritization (\$28 B)

Statewide Mobility

Regional Impact

Division Needs

Alternate Criteria (\$6 B)

Funded: STI Category based on route eligibility

Interstate Maintenance

Safety

Bridge Replacement

Bridge Rehabilitation

Funded: Division Needs Category

MPO Direct Attributable (DA)

Transportation Alternatives

National Electric Vehicle Infrastructure (NEVI)

Highway-Rail Crossing

Economic Development

Exempt (\$200 M)

Funded: outside of Statewide Mobility, Regional Impact, and Division Needs categories

Appalachian Development Highway System (ADHS)

Congestion Mitigation and Air Quality (CMAQ)

CARBON Reduction Program

Bonus Allocation

Funding 101



Bicycle &
Pedestrian



Rail



Public
Transportation



Aviation

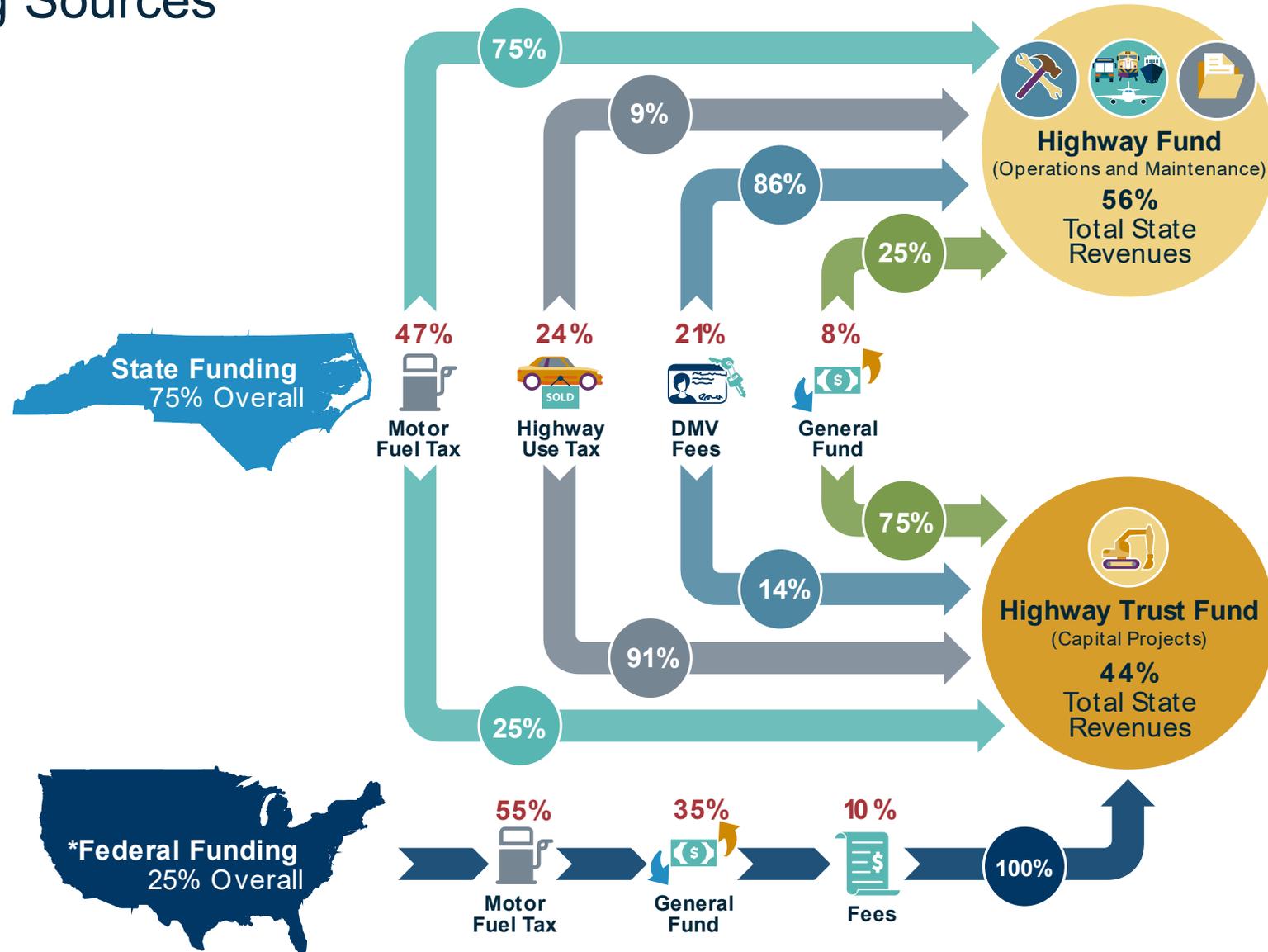


Ferry



Highway

DOT Funding Sources



Breakdown between the Highway funds and Highway Trust funds will change in State Fiscal Year 2025.

Additional Funds for Highway Trust Funds

17 **USE SALES TAX REVENUES FOR TRANSPORTATION NEEDS**

18 **SECTION 42.3.(a)** G.S. 105-164.44M reads as rewritten:

19 "**§ 105-164.44M. Transfer to ~~Division of Aviation.~~ Highway Fund.**

26 (b) Transportation Needs. – At the end of each quarter, the Secretary must transfer to the
27 Funds listed below a percentage of the net proceeds of the tax collected under this Article at the
28 State's general rate of tax set in G.S. 105-164.4(a). The percentages that must be transferred are
29 as follows:

<u>Fiscal Year</u>	<u>Percentage to Highway Fund</u>	<u>Percentage to Highway Trust Fund</u>
31 <u>2022-23</u>	<u>2%</u>	<u>0%</u>
32 <u>2023-24</u>	<u>1%</u>	<u>3%</u>
33 <u>2024-25 and thereafter</u>	<u>1.5%</u>	<u>4.5%."</u>

34 **SECTION 42.3.(b)** This section is effective when it becomes law.

Results in approximately \$5B in additional funding from sales tax revenues for programming over the 10-year STIP

State Funds

- Highway Trust Funds (HTF) – represented by “T” in the STIP.
 - Primary source for State Funded Capital Projects.
- Highway Funds (HF) – represented by “HF or HF(M)” in the STIP.
 - Primarily used for maintenance and operations; however, sometimes appears in the STIP when we partner funds on a project.
- PE typically funded with State Funds regardless of fund source for ROW and CON.
- **Strongly Recommend** completing Federal Environmental Document regardless of fund source unless a State Document is necessary.
 - Provides funding flexibility if needed to switch between state and federal funding (such as grant submittals or federal earmarks)

Bond Programs

- A programming tool, not new funds

Grant Anticipation Revenue Vehicle (GARVEE) - Federal

- NCGA Passed enabling legislation in 2005
- Leveraging future federal revenues
- Typically used on Statewide funded projects
- 15-year debt service programmed

BUILD NC – State

- NCGA Passed enabling legislation in 2018
- Leveraging future state revenues
- Typically used on Regional & Division funded projects
- 15-year debt service programmed

Contact Us

Federal/ State Funding

Bill Martin

**Project Management
Manager**

wmartin@ncdot.gov

919.707.4633

Cathy Dragonette

Federal Aid Funding

cadragonette@ncdot.gov

919.707.4637

Grants

Gretchen Belk

**Federal Discretionary
Grants Manager**

gvbelk@ncdot.gov

919.707.4740

Local Projects

Marta Matthews

**Local Programs Office
Manager**

mtmatthews@ncdot.gov

919.707.6626

Central STIP Region

David Wasserman, P.E.

Deputy Director

dswasserman@ncdot.gov

919.707.4743

Austin Chamberlain

Senior Program Engineer

sachamberlain@ncdot.gov

Thank you!

Brian Wert, P.E.
SPOT Manager/Central STIP Unit Manager
bmwert@ncdot.gov
919.707.4657