



**Western Piedmont
Council of Governments**

Greater Hickory Metropolitan Planning Organization

Technical Coordinating Committee (TCC)

Wednesday, November 17, 2021, 1:00 PM

WPCOG Offices—1880 2nd Ave NW

wpcog.org/metropolitan-planning-org

Agenda Item	Presenter	Attachment	Action
Call to Order / Introductions	Randy Williams		
Minutes of October 27, 2021 Meeting	Randy Williams	Attachment I	Approve Minutes
Transportation Improvement Plan Revisions for Board of Transportation	Brian Horton	Attachment II	Recommend to TAC for Approval
Revised Safety Targets for 2022	Brian Horton	Attachment III	Recommend to TAC for Approval
Re-Scoping Concepts for Area Projects	Brian Horton	Attachment IV	Information Item
NCDOT Updates	Sean Sizemore		
Division 11	Anil Panicker		
Division 12	Hannah Cook		
Division 13	Pam Cook		
Transportation Planning Division			
Public Comment / Announcements	Randy Williams		
Adjournment	Randy Williams		
Next Meeting: December 15, 2021			



**GREATER HICKORY
METROPOLITAN PLANNING ORGANIZATION (MPO)**
1880 2nd Avenue NW, PO Box 9026
Hickory, NC 28603



MINUTES
GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION (GHMPO)
METROPOLITAN TECHNICAL COORDINATING COMMITTEE (TCC)
Wednesday, October 27, 2021 @ 1:00 PM
In-person meeting and via Zoom

Present			Absent		
First Name	Last Name	Representing	First Name	Last Name	Representing
Blake	Wright	Town of Maiden	Chase	Winebarger	Town of Sawmills
Caroline	Kone	City of Hickory (1 of 2)	Chuck	Mullis	Town of Long View
David	Moose	Alexander County	Jenny	Wheelock	City of Lenoir
Donald	Duncan	City of Conover	Shane	Prisby	Burke County
Erik	Schlichting	City of Conover			
Greg	Wilson	Town of Granite Falls			
Jacky	Eubanks	Catawba County			
Jeff	Blalock	WPRTA			
Jon	Greer	Town of Hudson			
Leah	Martin	City of Claremont			
Logan	Shook	Town of Hildebran			
Pam	Cook	NCDOT-TPD			
Phillip	Lookadoo	City of Morganton			
Randy	Feierabend	Town of Cahaj's Mountain			
Randy	Williams	City of Newton			
Rick	Justice	Town of Rhodhiss			
Shelley	Stevens	Caldwell County			
Sherri	Bradshaw	Town of Drexel			
Steve	Miller	City of Hickory (2 of 2)			
WPCOG & FHWA Staff & Guests			NCDOT Staff		
Anthony Starr - WPCOG			Sean Sizemore - Div. 11		
Averi Ritchie - WPCOG			Anil Panicker - Div. 12		
Brian Horton - WPCOG			Dean Ledbetter - Div. 12		
Emma Stogner - WPCOG			Hannah Cook - Div. 13		
Loretta Barren - FHWA			Stephen Sparks - Div. 13		
Ed Evans - Mattern & Craig			Marshall Williams - Div. 13		
John Marshall - City of Hickory (alternate)			Pam Cook - TPD		
Kim Angel - WPRTA (alternate)			David Wasserman - STIP		

Call to Order and Introductions – TCC Chair Randy Williams called the meeting to order and welcomed all present at 1:05 PM. Introductions were made around the room, followed by those participating remotely, which included TCC members Caroline Kone, Greg Wilson, Rick Justice, Sherri Bradshaw, and Steve Miller. Upon a motion by Mr. Lookadoo and a second by Mr. Duncan, the TCC unanimously approved the remote participation of the aforementioned members.

Action Items:

- I. **Approval of Minutes** – Chair Williams asked members if they had a chance to review the minutes. Upon a motion from Mr. Duncan and a second by Mr. Lookadoo, the TCC unanimously approved the minutes from their September 22, 2021, meeting.
- II. **Transportation Improvement Plan (TIP) Revision for Approval** – Mr. Horton presented the staff recommendation to approve the TIP Revision in Attachment II. Mr. Horton noted no comments had been received, since the TIP Revision was released for public comment on

September 22, 2021. Upon a motion from Mr. Eubanks and a second by Mr. Lookadoo, the TCC unanimously recommended Item II to the Transportation Advisory Committee (TAC).

- III. Transportation Improvement Plan (TIP) Revisions for Public Release** – Mr. Horton presented the staff recommendation to release the TIP Revisions in Attachment III for public comment. Chair Williams asked members to recommend to TAC to release Item III, to which there were no objections.
- IV. Discussion of STIP Projects to be Re-Evaluated** – Mr. Horton presented how recent NCDOT financial challenges and project cost increases have not only led to Prioritization 6.0 being cancelled but now also the expectation that the new STIP being developed for 2024-2033 will have fewer projects than the current STIP for 2020-2029. Mr. Horton showed maps of the region's projects categorized as safe or at risk of re-evaluation. Ms. Hannah Cook noted there were two separate projects on NC 181, of which one was safe and the other to be re-evaluated. Mr. Duncan asked about projects not shown on the map. Mr. Horton replied that such projects were safe. Mr. Horton explained a workgroup was considering different scenarios to recommend a methodology to the State Board of Transportation to fairly re-evaluate projects. Mr. Wasserman noted that "held harmless" projects may be renamed "delivery" projects, and that these projects would still risk delayed schedules in the next STIP, even if remaining funding. No action was required for this information item.
- V. Transportation Improvement Plan (TIP) Revision for Burke County** – Mr. Horton explained this item had originally been pulled from the agenda, but recent communications with the Burke County Clerk seemed to indicate the Item should perhaps continue. Upon a motion by Mr. Lookadoo and a second by Mr. Eubanks, the TCC unanimously approved adding Item V to their agenda. Mr. Horton clarified that the Burke County Board of Commissioners had not yet approved their Resolution. Upon a motion by Mr. Duncan and a second by Mr. Eubanks, the TCC unanimously approved tabling Item V.

NCDOT Update –

- **Division 11** – Mr. Sizemore presented an update on active projects.
- **Division 12** – Mr. Panicker presented an update on active projects.
- **Division 13** – Ms. Hannah Cook presented an update, including the final overlay for Exit 112 expected soon.
- **NCDOT-TPD** – Ms. Pam Cook shared her update via the TPD Newsletter.

Added public comments or announcements:

Mr. Horton reminded members to complete the 2050 MTP survey online.

Adjournment – Chair Williams adjourned the meeting at 2:00 PM. The next meeting is scheduled for November 17, 2021, at 1:00 pm

Respectfully Submitted,

Randy Williams, MPO/TCC Chair

Brian Horton, TCC Secretary



**GREATER HICKORY
METROPOLITAN PLANNING ORGANIZATION (MPO)**
1880 2nd Avenue NW, PO Box 9026
Hickory, NC 28603



**RESOLUTION ADOPTING MODIFICATIONS TO THE
TRANSPORTATION IMPROVEMENT PROGRAM (TIP) FY 2020-2029**

A motion was made by _____ and seconded by _____ for the adoption of the following resolution, and upon being put to a vote was duly adopted.

WHEREAS, the following modifications have been proposed for FY 2020-2029 Transportation Improvement Program (TIP):

See pages 2 through 6 of this Attachment

WHEREAS, the MPO certifies that these TIP modifications are consistent with the intent of the adopted 2045 Metropolitan Transportation Plan (MTP);

NOW THEREFORE be it resolved, by the Greater Hickory MPO Transportation Advisory Committee (TAC) that the TIP FYs 2020-2029 be modified as listed above on this, the 17th day of November, 2021.

Bruce Eckard
Greater Hickory MPO TAC Chair

Brian Horton
Greater Hickory MPO TAC Secretary

**REVISIONS TO THE 2020-2029 TIP
HIGHWAY PROGRAM**

GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION

TIP ADDITIONS

* HF-0001 CALDWELL PROJ.CATEGORY EXEMPT	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	SR 1328 (BROWN MOUNTAIN BEACH ROAD), MILEPOST 5.3 TO MILEPOST 7.5. INSTALL GUARDRAIL AT VARIOUS LOCATIONS. <u>ADD FEDERAL LANDS ACCESS PROGRAM PROJECT.</u>	ENGINEERING CONSTRUCTION	FY 2022 - \$4,000 (FLAP) FY 2022 - \$1,000 (S(M)) FY 2022 - \$188,000 (FLAP) FY 2022 - <u>\$47,000</u> (S(M)) \$240,000
* HF-0003 CALDWELL PROJ.CATEGORY EXEMPT	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	SR 1328 (BROWN MOUNTAIN BEACH ROAD), WIDEN ROADWAY TO 20 FEET IN FIVE LOCATIONS ALONG WILSON CREEK. <u>ADD FEDERAL LANDS ACCESS PROGRAM PROJECT</u> <u>(PREVIOUSLY HO-0006).</u>	ENGINEERING CONSTRUCTION	FY 2022 - \$140,000 (FLAP) FY 2022 - \$35,000 (S(M)) FY 2022 - \$1,260,000 (FLAP) FY 2022 - <u>\$315,000</u> (S(M)) \$1,750,000

TIP MODIFICATIONS

* B-5869 BURKE PROJ.CATEGORY REGIONAL	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	US 64/70, REPLACE BRIDGE 110099 OVER SOUTHERN RAILROAD. <u>ADD UTILITIES NOT PREVIOUSLY PROGRAMMED.</u> <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u> <u>THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2021 - \$3,200,000 (NHPB) FY 2021 - \$270,000 (NHPB) FY 2022 - \$1,791,000 (NHPB) FY 2023 - \$6,137,000 (NHPB) FY 2024 - \$4,449,000 (NHPB) FY 2025 - <u>\$1,023,000</u> (NHPB) \$16,870,000
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* INDICATES FEDERAL AMENDMENT

Thursday, October 7, 2021

**REVISIONS TO THE 2020-2029 TIP
HIGHWAY PROGRAM**

GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION

TIP MODIFICATIONS

R-3430B BURKE PROJ.CATEGORY HWY FUNDS	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	SR 1001 (CONNELLY SPRINGS ROAD), REPLACE BRIDGE 110010 OVER CATAWBA RIVER. <u>ADD UTILITIES NOT PREVIOUSLY PROGRAMMED.</u>	RIGHT-OF-WAY	FY 2022 -	\$500,000	(HFB)
			UTILITIES	FY 2022 -	\$65,000	(HFB)
			CONSTRUCTION	FY 2023 -	\$3,007,000	(HFB)
				FY 2024 -	\$8,205,000	(HFB)
				FY 2025 -	\$5,669,000	(HFB)
				FY 2026 -	<u>\$618,000</u>	(HFB)
					\$18,064,000	
R-5762 ALEXANDER PROJ.CATEGORY DIVISION	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	NC 16, INTERSECTION OF NC 16 AND SR 1609 (COUNTY HOME ROAD). CONSTRUCT INTERSECTION IMPROVMENTS. <u>ADD RIGHT-OF-WAY AND UTILITIES NOT PREVIOUSLY PROGRAMMED.</u>	RIGHT-OF-WAY	FY 2022 -	\$100,000	(T)
			UTILITIES	FY 2022 -	\$100,000	(T)
			CONSTRUCTION	FY 2022 -	\$372,000	(T)
				FY 2023 -	<u>\$128,000</u>	(T)
U-4700CA CALDWELL PROJ.CATEGORY REGIONAL	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	US 321, SR 1160 (MOUNT HERMAN ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN - WITHIN THE LIMITS OF U-4700 C. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2023 -	\$311,000	(NHP)
				FY 2024 -	\$2,877,000	(NHP)
				FY 2025 -	<u>\$912,000</u>	(NHP)
U-4700CB CALDWELL PROJ.CATEGORY STATEWIDE	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	US 321, SR 1809/1952 (PINE MOUNTAIN ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN - WITHIN THE LIMITS OF U-4700 C. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2023 -	\$524,000	(NHP)
				FY 2024 -	\$4,954,000	(NHP)
				FY 2025 -	\$3,231,000	(NHP)
				FY 2026 -	<u>\$491,000</u>	(NHP)

* INDICATES FEDERAL AMENDMENT

Thursday, October 7, 2021

**REVISIONS TO THE 2020-2029 TIP
HIGHWAY PROGRAM**

GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION

TIP MODIFICATIONS

U-4700CC CALDWELL PROJ.CATEGORY STATEWIDE	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	US 321, SR 1108 (MISSION ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN - WITHIN THE LIMITS OF U-4700 C. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2023 - \$386,000 (NHP) FY 2024 - \$3,661,000 (NHP) FY 2025 - <u>\$1,853,000</u> (NHP) \$5,900,000
U-6036 CALDWELL PROJ.CATEGORY DIVISION	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	SR 1109 (PINWOOD ROAD), US 321 TO SR 1931 (BERT HUFFMAN ROAD). UPGRADE ROADWAY. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2023 - \$73,000 (T) FY 2024 - \$3,687,000 (T) FY 2025 - \$3,113,000 (T) FY 2026 - <u>\$428,000</u> (T) \$7,301,000
* U-6157 CALDWELL PROJ.CATEGORY DIVISION	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	SR 1130 (CAJAH MOUNTAIN ROAD), SR 1001 (CONNELLY SPRINGS ROAD) TO US 321A. MODERNIZE ROADWAY. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2023 - \$7,950,000 (BGANY) FY 2024 - \$7,950,000 (BGANY) FY 2023 - \$9,100,000 (BGANY) FY 2025 - \$3,391,000 (BGANY) FY 2026 - \$9,363,000 (BGANY) FY 2027 - \$7,208,000 (BGANY) FY 2028 - <u>\$3,838,000</u> (BGANY) \$48,800,000
W-5813B BURKE MITCHELL RUTHERFORD YANCEY PROJ.CATEGORY DIVISION	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION - HIGH COUNTRY RURAL PLANNING ORGANIZATION - ISOTHERMAL RURAL PLANNING ORGANIZATION	VARIOUS STATE ROUTE LOCATIONS. INSTALL LONG LIFE PAVEMENT MARKINGS. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN. DELAY CONSTRUCTION FROM FY 21 TO FY 22.</u>	CONSTRUCTION	FY 2022 - \$15,000 (HSIP) FY 2023 - <u>\$1,489,000</u> (HSIP) \$1,504,000

* INDICATES FEDERAL AMENDMENT

Thursday, October 7, 2021

**REVISIONS TO THE 2020-2029 TIP
HIGHWAY PROGRAM**

GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION

TIP DELETIONS

* HO-0006	- GREATER HICKORY METROPOLITAN	SR 1328 (BROWN MOUNTAIN BEACH ROAD), WIDEN	ENGINEERING	FY 2021 -	\$140,000	(FLAP)
CALDWELL	PLANNING ORGANIZATION	ROADWAY TO 20 FEET IN FIVE LOCATIONS ALONG		FY 2021 -	\$35,000	(S(M))
PROJ.CATEGORY		WILSON CREEK.	CONSTRUCTION	FY 2022 -	\$1,260,000	(FLAP)
EXEMPT		<u>DELETE PROJECT. WORK TO BE ACCOMPLISHED</u>		FY 2022 -	<u>\$315,000</u>	(S(M))
		<u>UNDER HF-0003.</u>			\$1,750,000	

* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2020-2029 TIP
HIGHWAY PROGRAM**

GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION

TIP MODIFICATIONS

EB-5806 CALDWELL PROJ.CATEGORY DIVISION	- GREATER HICKORY METROPOLITAN PLANNING ORGANIZATION	LENOIR, HOSPITAL AVENUE, HARPER AVENUE TO US 321 (BLOWING ROCK BOULEVARD). CONSTRUCT SIDEWALK. <u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY ACQUISITION, DELAY CONSTRUCTION FROM FY 21 TO FY 22.</u>	CONSTRUCTION	FY 2022 - \$675,000 (BGDA) FY 2022 - \$125,000 (TADA) FY 2022 - <u>\$200,000</u> (L) \$1,000,000
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* INDICATES FEDERAL AMENDMENT



**GREATER HICKORY
METROPOLITAN PLANNING ORGANIZATION (MPO)**
1880 2nd Avenue NW, PO Box 9026
Hickory, NC 28603



**RESOLUTION ENDORSING SAFETY PERFORMANCE MEASURES
ESTABLISHED BY THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**

A motion was made by _____ and seconded by _____ for the adoption of the following resolution, and upon being put to a vote was duly adopted on the **17th of November, 2021**.

WHEREAS, the Greater Hickory Metropolitan Planning Organization has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the MPO's metropolitan planning area; and;

WHEREAS, the Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) requires States to set targets for five safety performance measures annually, by August 31, and;

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of Fatalities, (2) Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries, (4) Rate of Serious Injuries per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries, and;

WHEREAS, the NCDOT coordinated the establishment of safety targets with the 19 Metropolitan Planning Organizations (MPOs) in North Carolina continually through outreach conducted by NCDOT's Mobility and Safety Group and;

WHEREAS, the NCDOT officially establishes and reports the safety targets in the Highway Safety Improvement Program annual report by August 31, of each year and;

WHEREAS, the MPO's may establish safety targets by agreeing to plan and program projects that contribute toward the accomplishment of the State's targets for each measure or establish its own target within 180 days of the State establishing and reporting its safety targets in the HSIP annual report.

NOW THEREFORE, BE IT RESOLVED, that the Greater Hickory MPO agrees to plan and program projects that contribute toward the accomplishment of the State's targets as *noted below for each of the aforementioned performance measures*:


1. For the 2022 Highway Safety Improvement Plan (HSIP), the goal is to reduce total fatalities by 12.17 percent from 1,428.8 (2016-2020 average) to 1,254.9 (2018-2022 average) by December 31, 2022.
2. For the 2022 Highway Safety Improvement Plan (HSIP), the goal is to reduce the fatality rate by 13.78 percent from 1.226 (2016-2020 average) to 1.057 (2018-2022 average) by December 31, 2022.

3. For the 2022 Highway Safety Improvement Plan (HSIP), the goal is to reduce total serious injuries by 19.79 percent from 4,410.2 (2016-2020 average) to 3,537.6 (2018-2022 average) by December 31, 2022.
4. For the 2022 Highway Safety Improvement Plan (HSIP), the goal is to reduce the serious injury rate by 21.68 percent from 3.782 (2016-2020 average) to 2.962 (2018-2022 average) by December 31, 2022.
5. For the 2022 Highway Safety Improvement Plan (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by 17.93 percent from 592.2 (2016-2020 average) to 486.0 (2018-2022 average) by December 31, 2022.

NOW THEREFORE, BE IT FURTHER RESOLVED, that by approval of this resolution, an amendment is hereby made to the 2045 Metropolitan Transportation Plan adopted on November 17, 2021, by the Greater Hickory MPO.

Bruce Eckard
Greater Hickory MPO TAC Chair

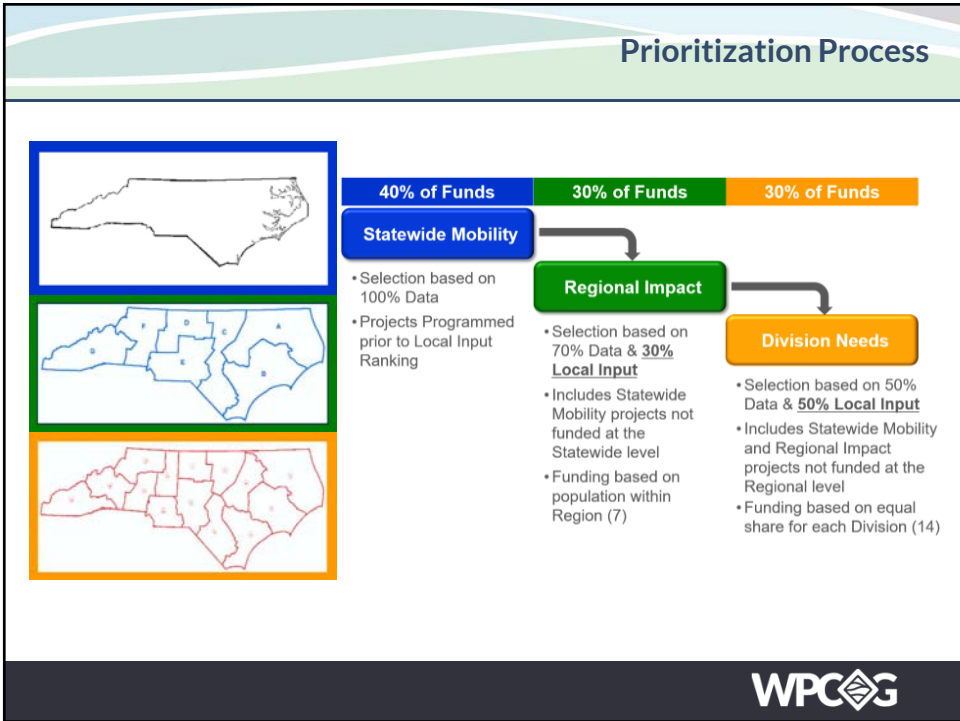
Brian Horton
Greater Hickory MPO TAC Secretary



Western Piedmont
Council of Governments
Creative Regional Solutions Since 1968

Continued Update on Funding Status of Area Transportation Projects

Transportation Advisory Committee
November 17, 2021




Previously Shared Costs Exceeding STIP Budget

P6.0 Funding Availability – Committed Projects Only

Statewide Mobility		Regional Impact			Division Needs		
Available Funding	Programming Status	Region	Available Funding	Programming Status	Division	Available Funding	Programming Status
\$9.4B	\$2.74B Over	A (D1 & D4)	\$307.9M	\$220.2M Over	1	\$506M	\$93.1M Over
		B (D2 & D3)	\$395.1M	\$390.3M Over	2	\$506M	\$169.8M Over
		C (D5 & D6)	\$1.08B	\$321.2M Over	3	\$506M	\$73.5M Under
		D (D7 & D9)	\$1.17B	\$438.9M Over	4	\$506M	\$173.3M Under
		E (D8 & D10)	\$1.48B	\$725.7M Over	5	\$506M	\$192.1M Over
		F (D11 & D12)	\$284.9M	\$425.2M Over	6	\$506M	\$19.3M Under
		G (D13 & D14)	\$609.3M	\$1.00B Over	7	\$506M	\$53.9M Under
					8	\$506M	\$55.8M Over
					9	\$506M	\$38.2M Under
					10	\$506M	\$55.0M Over
					11	\$506M	\$5.2M Under
					12	\$506M	\$259.0M Over
					13	\$506M	\$272.6M Over
					14	\$506M	\$92.3M Over

Available funding based on 2024-2033 timeframe

As of September 15, 2021



Latest Costs Exceeding STIP Budget


P6.0 Funding Availability – Committed Projects Only

Statewide Mobility		Regional Impact			Division Needs		
Available Funding	Programming Status	Region	Available Funding	Programming Status	Division	Available Funding	Programming Status
\$8.7B	\$4.70B Over	A (D1 & D4)	\$542.0M	\$325.8M Over	1	\$466M	\$188.2M Over
		B (D2 & D3)	\$787.1M	\$525.9M Over	2	\$466M	\$266.9M Over
		C (D5 & D6)	\$1.44B	\$627.6M Over	3	\$466M	\$33.9M Over
		D (D7 & D9)	\$1.08B	\$635.9M Over	4	\$466M	\$88.6M Under
		E (D8 & D10)	\$1.35B	\$1.05B Over	5	\$466M	\$281.0M Over
		F (D11 & D12)	\$721.7M	\$578.5M Over	6	\$466M	\$71.8M Over
		G (D13 & D14)	\$560.8M	\$1.07B Over	7	\$466M	\$42.1M Over
					8	\$466M	\$177.1M Over
					9	\$466M	\$85.5M Over
					10	\$466M	\$146.7M Over
					11	\$466M	\$94.5M Over
					12	\$466M	\$253.2M Over
					13	\$466M	\$368.9M Over
					14	\$466M	\$181.6M Over

Available funding based on 2024-2033 timeframe

As of October 19, 2021. Available Funding reflects accounting for 3% inflation. Programming Status Amounts are compared to 100% of budget.

REG Total: \$4.81B
DIV Total: \$2.18B



Development of New STIP

The diagram shows two STIP covers. The top cover is for the 2020-2029 period, dated July 2019. An arrow points down to the bottom cover, which is for the 2024-2033 period, dated June 2023.

Process for 2024-2033 STIP Development

Step 1 – Remove all Non-Committed projects from STIP

- These projects become P7 Carryovers

Step 2 – Held Harmless projects remain in STIP

- Committed for delivery

Step 3 – Determine which of the remaining 2020-2029 Committed projects remain in the STIP

- Projects will remain funded in STIP as budget allows per category
- Previously committed projects that don't remain funded in the STIP become P7 Carryover projects and lose committed status

GHMPO Maps = **Red** – Step 1, **Green** – Step 2, **Yellow** – Step 3

At-Risk Projects in the Region

Delivery (17)

Re-Evaluate (16)

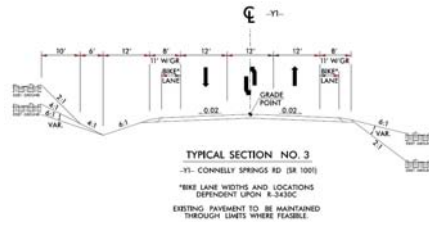
I-40: US 321 to Fairgrove Church Rd
 I-40: Exit 100 – Jamestown Rd
 I-40: Exit 103 – Burkemont Ave (US 64)
 I-40: Exit 107 – Drexel Rd (NC 114)
 I-40: Exit 111 – Carolina St SE
 I-40: Exit 116 – Icard
 US 321 / Dudley Rd in Granite Falls
 US 64 / US 70 in Morganton
 NC 127 in Mountain View
 NC 150 in Sherills Ford
 NC 181 in Oak Hill
 29th Ave Dr in Hickory
 33rd St / 34th St at RR in Long View
 Connelly Springs Rd in Caldwell Co.
 Startown Rd in Catawba Co.
 Springs Rd in Catawba Co.

Non-Committed (4)

The map shows the region with various roads and exits. Red lines and dots indicate non-committed projects, green lines and dots indicate projects to be re-evaluated, and yellow lines and dots indicate projects to be delivered. Key locations labeled include Connelly Springs Rd, US 321 / Dudley Shoals Rd, 29th Ave, Springs Rd, I-40, Startown Rd, NC 150, NC 127, 33rd / 34th, Exit 116, Exit 111, Exit 107, Exit 103, Exit 100, US 64 / US 70, and NC 181.

Project Re-Scoping Considerations

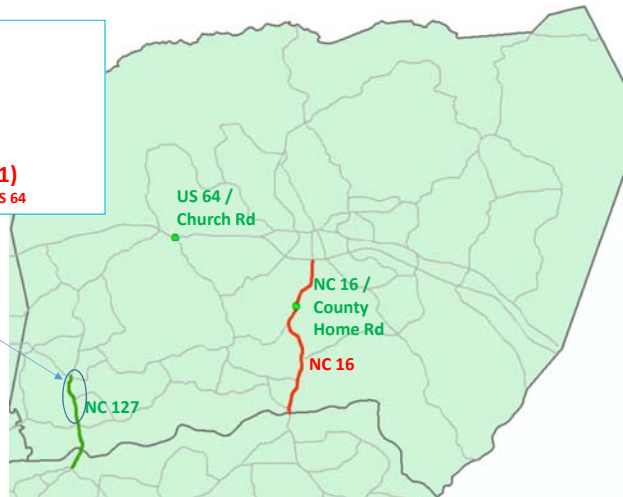
- Purpose and need
- Design alternatives
- Design assumptions
- Corridor characteristics
- Local government input
- Ideas for cost savings
- Re-submittal trade-offs
- Delivery project savings

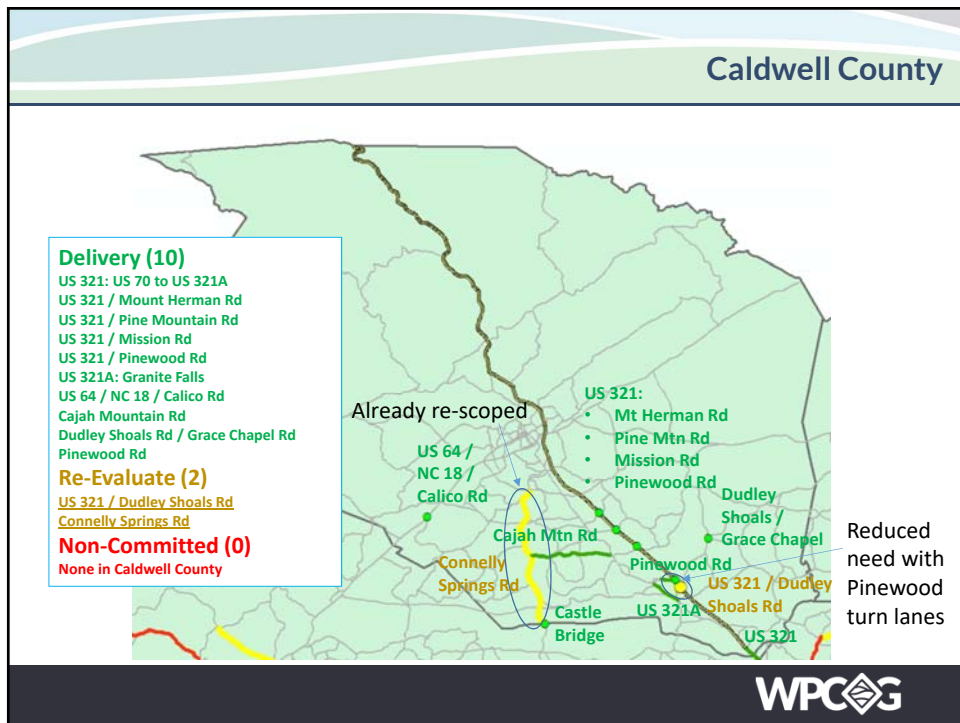
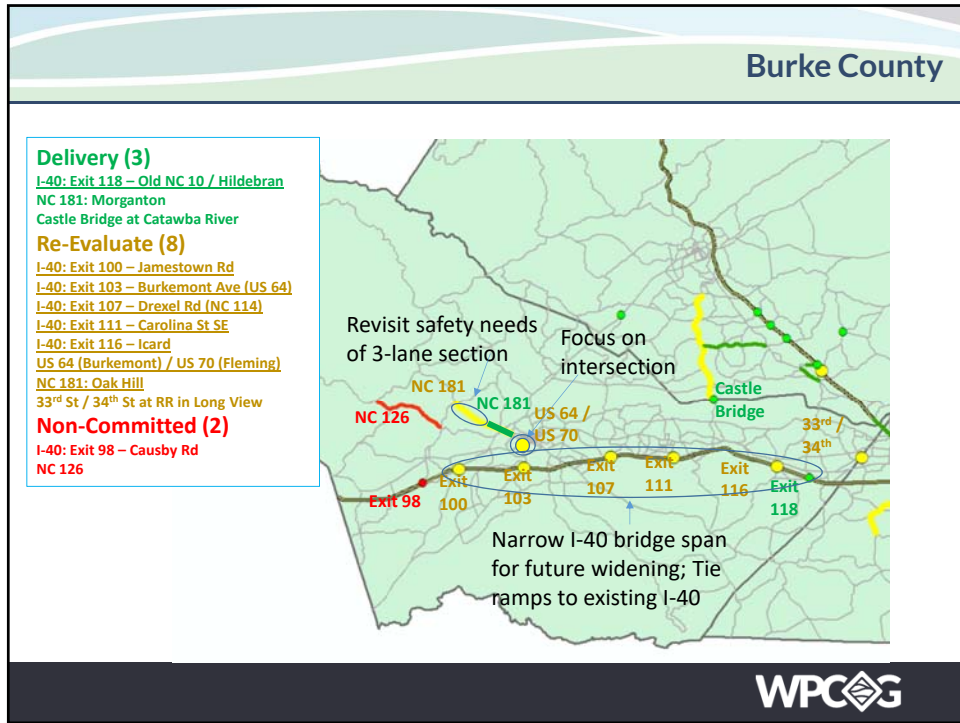


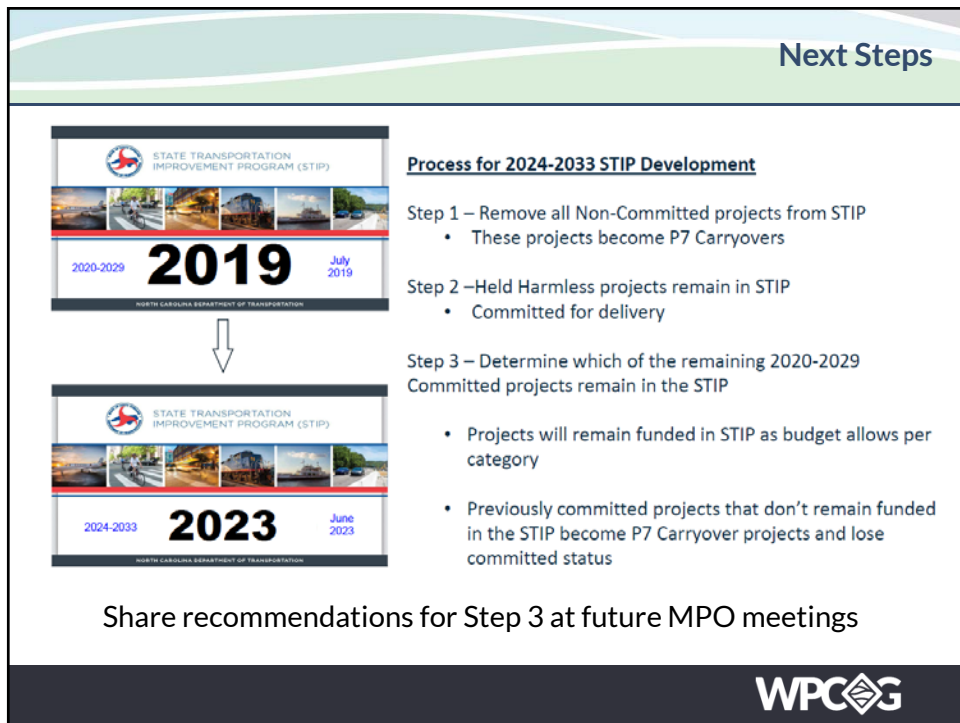
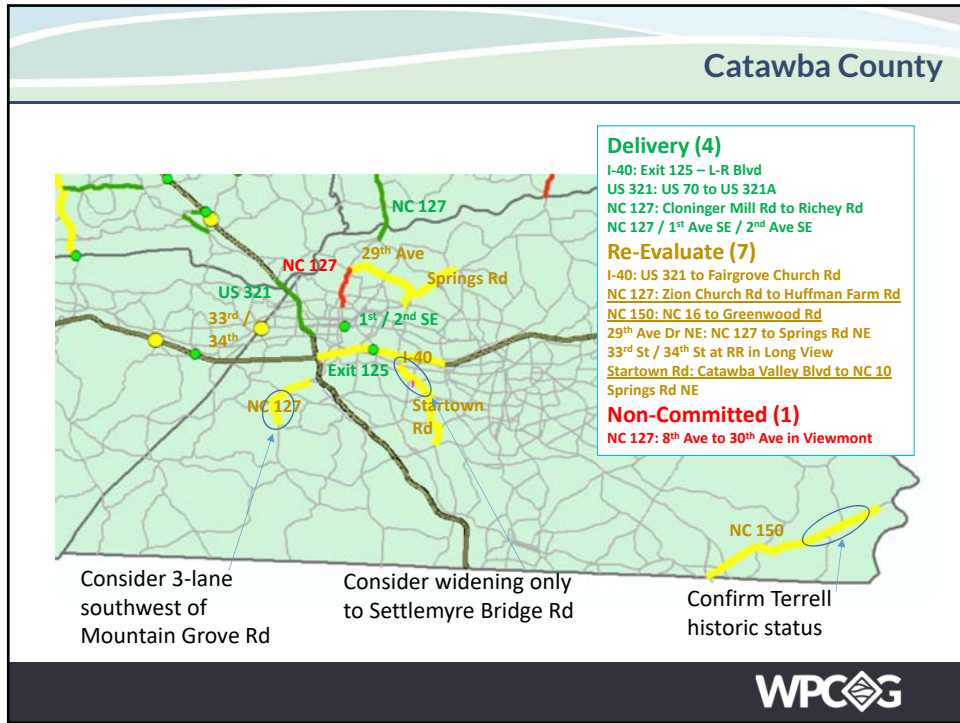
Alexander County

- Delivery (3)**
 - NC 127
 - NC 16 / County Home Rd
 - US 64 / NC 90 / Church Rd
- Re-Evaluate (0)**
 - None in Alexander County
- Non-Committed (1)**
 - NC 16: Catawba River to US 64

Consider 3-lane north of Hubbard Rd







Greater Hickory MPO
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Division 11 Projects Under Development – Caldwell Co.

<u>TIP</u>	<u>ROUTE</u>	<u>DESCRIPTION</u>	<u>ROW YEAR</u>	<u>CONST YEAR</u>	<u>PROJECT COST</u>	<u>Status</u>
R-5775	US 321	INTERSECTION OF US 321 AND SR 1109 (PINEWOODS ROAD EXTENSION) IN GRANITE FALLS. CONSTRUCT INTERSECTION IMPROVEMENTS	complete	2022	\$1,400,000	100 % Plans
U-4700CA	US 321	SR 1160 (MOUNT HERMAN ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN. - WITHIN THE LIMITS OF U-4700 C.	2020	2023	\$2,170,000	75% Plans
U-4700CB	US 321	AT SR 1809/1952 (PINE MOUNTAIN ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN.	2020	2023	\$2,700,000	75% Plans
U-4700CC	US 321	AT SR 1108 (MISSION ROAD). UPGRADE INTERSECTION TO SUPERSTREET DESIGN	2020	2023	\$2,750,000	75% Plans
U-6033	US 64/NC18	UPGRADE INTERSECTION AT CALICO ROAD.	2020	2022	\$450,000	75% Plans Public Meeting
U-6034	US 321 ALT	DUKE STREET TO PINEWOODS ROAD	2024	2026	\$1,850,000	25% Plans
U-6035	SR 1002 (DUDLEY SHOALS ROAD)	CONSTRUCT ROUNDABOUT AT GRACE CHAPEL/CAMPGROUND/PEACH ORCHARD ROAD)	2019	2022	\$1,030,000	90% Plans
U-6036	SR 1109 (PINEWOODS RD)	US 321 TO BERT HUFFMAN ROAD. UPGRADE ROADWAY.	2019	2023	\$6,350,000	75% Plans Public Meeting
U-6157	SR 1130 (CAJAH MOUNTAIN ROAD)	SR 1001 (CONNELLY SPRINGS ROAD) TO US 321A MODERNIZE ROADWAY	2023	2025	\$5,000,000	Public Meeting 8/2022
U-6161	US 321	SR 1002 (DUDLEY SHOALS ROAD) GRADE SEPARATION. CONSTRUCT RAMP ONTO US 321 SOUTHBOUND.	2026	2028	\$10,000,000	Paused
R-3430B	SR 1001 (CONNELLY SPRINGS RD)	Modernize Roadway to Include Bicycle and Pedestrian accommodations	2022	2024	\$80,000,000	Preliminary

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Division 11 Projects Under Construction

<u>Contract Number</u>	<u>County</u>	<u>TIP#</u>	<u>Route</u>	<u>Location Description</u>	<u>Contract Amount</u>	<u>Contractor</u>	<u>Construction Progress %</u>	<u>Completion Date</u>
DK00262	CALDWELL		VARIOUS	VARIOUS PRIMARY AND SECONDARY ROUTES	\$3,786,739.83	MAYMEAD	70 %	10/21
DK00270	CALDWELL		VARIOUS	Resurfacing, Milling, Shoulder Reconstruction, and Pavement Markings	\$2,656,338.84.	MAYMEAD	0%	10/22
DK00289	CALDWELL		VARIOUS	VARIOUS SECONDARY ROUTES THROUGHOUT DIVISION 11	\$2,335,432.94	MAYMEAD	18 %	10/22
DK00293	CALDWELL		VARIOUS	RESURFACING, LEVELING, MILLING, SHOULDER RECONSTRUCTION, AND PAVEMENT MARKINGS	\$4,123,494.60	Carl Rose & Sons, Inc	0%	12/22
DK00295	CALDWELL		VARIOUS	ASPHALT SURFACE TREATMENT (AST)	\$1,451,217.80	MAYMEAD	0%	12/22
DK00304	CALDWELL		VARIOUS	Resurfacing, Milling, Shoulder Reconstruction, and Pavement Markings	\$4,314,992.67	MAYMEAD	0%	10/22

Resurfacing and AST

<https://connect.ncdot.gov/resources/Asset-Management/HMIP-Plans/Pages/HMIP.aspx>

November 2021 Progress Report for Division 12 Projects in GHMPO

Active Construction Projects

Contract/ TIP #	County	Route	Project Description	Status	% Complete
R-5870/ DL00202	Alexander	Industrial Access Road	Construct access road into Alexander Industrial Park from White Plains Road to W.E. Baab Road (0.492 miles). Project funded with Appalachian Regional Commission funds awarded through EDC grant application.	Underway.	33.6%
DL00220	Alexander	SR 1348 (Old NC 90) over Duck Creek	Bridge Replacement.	Underway. 2 of 3 Beam set placed.	54.4%
DL00229	Alexander	SR 1456 (Cheatham Ford Rd) over South Yadkin River	Bridge Replacement.	Underway and close to completion.	98.0%
DL00223	Alexander and Iredell	Various Secondary Roads	Asphalt Surface Treatment, 58.27 miles.	Underway.	99.6%
R-3100 A & B/ C203800	Catawba	NC 16	Widen from 2 to 4 lanes A section from SR 1859 (Tower Road) to SR 1814 (Caldwell Rd) B section from SR 1814 (Caldwell Rd) SR 1801 (Claremont Road). Completion date December 2022.	Underway. Trying to complete A section and focus on B section. A section's traffic switched on 10/21/2021. Traffic switched to outside lanes so work on the inside can be completed. Project is in Phase III.	82.0%
C204403	Catawba	Various	Paving - one section of NC 127, one section of NC 10, three sections of NC 16 Bus and 26 sections of secondary roads. Total length 40.289 miles.	Underway.	40.3%
DL00209	Catawba	US 70 at SR 1476 (Fairgrove Church Rd)	Remove the slip lane and install a right turn lane with signal upgrades to improve the safety of the intersection.	Energize and testing new signals underway. Paving new turn lane.	20.8%
DL00227	Catawba and Lincoln	Various Secondary Roads	Resurfacing for 23.73 miles.	Underway.	52.5%

Active Projects Under Development

Contract/ TIP #	County	Route	Project Description	Status	% Complete
U-4700 A	Catawba	US 321	Widen to six lanes from north of US 70 in Hickory to US 321A. Length 3.2 miles.	Right-of-Way acquisition underway. Work on multiple disciplines also underway. Construction let currently scheduled for August of 2025.	NA
U-5777	Catawba	NC 127	Add turn lanes from 1 st Ave SE to 2 nd Ave SE.	Preliminary Engineering resumed in March of 2021. Working to resolve utility design issues before Right of Way acquisition can begin.	NA
DF 15712.2018804	Catawba	Mitchell Drive	Culvert Replacement.	Waiting for Duke energy to clear their utility easement before NCDOT can let the project.	NA
W-5712T	Catawba	US 321 Bus/ NC 10	Pedestrian Improvements.	Construction let scheduled for January 2022.	NA
W-5712K	Catawba	I-40 at Fair Grove Church Road	Ramp modifications.	Construction let scheduled for January 2022.	NA
R-5762	Alexander	SR 1609 County Home Road	Construct Intersection Improvements. Realign to a T intersection by moving intersection to the South.	Construction let scheduled for February 2022.	NA

Division 13 Construction Updates, November 2021

Contract Number	Division	County	TIP#	Route	Location Description	Length	NCDOT Contact	NCDOT Contact No	Letting Date	Completion Date	Revised Completion Date	Completion Percent
C204072	13	Burke	B-4448	I-40	BRIDGES #149 & #150 OVER SR-1744 ON I-40.	0.568 miles	Travis Henley	(828) 803-6120	6/19/2018	3/30/2021	8/23/2021	86.56%
C204084	13	Burke		NC-126, SR-69SECT, US-70	2 SECTIONS OF NC-126, 1 SECTION OF US-70, AND 69 SECTIONS OF SECONDARY ROADS.	56.07 miles	Travis Henley	(828) 803-6120	9/19/2017	6/1/2019	11/1/2021	87.51%
C204187	13	Burke		NC-114, NC-126, SR-Multi, US-64, US-70, US-70Bus	1 SECTION OF US-64, 2 SECTIONS OF US-70, 1 SECTION OF NC-126, 1 SECTION OF NC-114, AND 60 SECTIONS OF SECONDARY ROADS.	69.36 miles	Travis Henley	(828) 803-6120	6/19/2018	10/19/2019	11/1/2021	93.30%
C204222	13	Burke, McDowell, Rutherford		SR-1115, SR-1178, SR-1194, SR-1560, SR-1793	1 BRIDGE IN BURKE COUNTY, 1 BRIDGE IN MCDOWELL COUNTY, AND 3 BRIDGES IN RUTHERFORD COUNTY.	0.378 miles	Travis Henley	(828) 803-6120	10/2/2018	12/1/2020	12/17/2020	78.10%
C204289	13	Burke		NC-114, NC-181, SR-62sect, US-64	4 SECTIONS OF US-64, 1 SECTION OF NC-114, 2 SECTIONS OF NC-181, AND 62 SECTIONS OF SECONDARY ROADS.	67.831 miles	Travis Henley	(828) 803-6120	1/15/2019	10/1/2020	12/15/2021	91.85%
DM00316	13	Burke, Mitchell, Rutherford	HS-2013A, HS-2013F	US-19E, US-221A, US-70	VARIOUS PRIMARY ROUTES	0 miles	Travis Henley	(828) 803-6120	4/7/2021	8/28/2021	10/12/2021	84.91%

Division 13 Project Development Update, November 2021 (as of: 11/9/2021)

Project ID	County	Description	R/W Acq. Begins	Let Date	Project Manager Name
I-5009	BURKE	I-40 AND US 64 (BURKEMONT ROAD)	2/9/2029	Post 2029	MICHAEL G. CLARK
I-5971	BURKE	I-40 FROM SR 1761 (OLD HIGHWAY NC10)-EXIT 116 UPGRADE INTERCHANGE AND REMOVE TWO-WAY TAFFIC	9/28/2029	Post 2029	MARSHALL R. WILLIAMS
I-5975	BURKE	I-40 AT EXIT 112 AND SR 1744(MINERAL SPRINGS MOUNTAIN ROAD)/ SR 1744 (ELDRED STREET SE)	9/27/2029	Post 2029	EDDIE DOUGLAS
I-6058	BURKE	I-40 AT SR 1744 (CAUSBY ROAD)	1/1/2029	Post 2029	BRENDAN MERITHEW
U-5978	BURKE	NC 181 FROM SR 1440 TO SR 1419. WIDEN TO 3 LANES.	6/15/2029	Post 2029	MARSHALL R. WILLIAMS
U-6123	BURKE	US 64 (BURKEMONT AVENUE) BURKE COUNTY AT US 70 (W. FLEMING DRIVE) INTERSECTION. IMPROVE INTERSECTION.	10/20/2028	Post 2029	MARSHALL R. WILLIAMS
U-6164	BURKE	NC 126 FROM SR 1250 (WATERMILL ROAD) TO SR 1254 (FISH HATCHERY ROAD). MODERNIZE ROADWAY.	1/1/2029	Post 2029	BRENDAN MERITHEW
I-5008	BURKE	I-40 AT SR 1734/SR 1826 (EXIT 111) (COMB W/I-5875)	10/25/2018	9/18/2029	MARSHALL R. WILLIAMS
I-5874	BURKE	I-40 AT SR 1142 (JAMESTOWN ROAD) - EXIT 100 UPGRADE INTERCHANGE	10/22/2018	9/18/2029	MARSHALL R. WILLIAMS
I-5875	BURKE	I-40 AT SR 1712 (DREXEL ROAD). UPGRADE INTERCHANGE. (COMB W/I-5008)	10/22/2018	9/18/2029	MARSHALL R. WILLIAMS
U-5836	BURKE	NC 181 FROM SR 1414 (ST. MARY'S CHURCH ROAD) TO MORGANTON ETJ WIDEN EXISTING ROADWAY	10/12/2018	6/19/2029	BRENDAN MERITHEW
BR-0132	BURKE	Replace Bridges 110163 and 110164 on I40 over SR1762.	1/20/2026	1/19/2027	KEVIN FISCHER
BR-0010	BURKE	BRIDGE 110105 ON US 64, NC 18 OVER JOHNS RIVER	1/19/2025	1/20/2026	KEVIN FISCHER
BR-0130	BURKE	Replace Bridges 110114 and 110120 on I40 over Silver Creek.	1/15/2025	1/20/2026	KEVIN FISCHER
EB-5968	BURKE	COLLEGE STREET TO US 70 BYPASS (WEST FLEMING DRIVE)TO NC 181 (NORTH GREEN STREET)		6/18/2025	MCCRAY H. COATES
BP13-R018	BURKE	Replace bridge 316 on SR1962 over UT to Double Branch in Burke County		3/19/2025	Michael K. Calloway
I-5891B	BURKE	I-40 FROM MILE MARKER 105 TO MILE MARKER 112 PAVEMENT REHABILITATION AND BRIDGE REHABILITATION		3/18/2025	MCCRAY H. COATES
BR-0151	BURKE	Replace 110173 on SR1002 over I-40	1/22/2024	1/21/2025	KEVIN FISCHER
BP13-R033	BURKE	Replace bridge 254 on SR1116 over Double Branch in Burke County		10/16/2024	Michael K. Calloway
EB-5978	BURKE	COLLEGE STREET MULTIMODAL CONNECTOR TRAIL FROM NORTH GREEN STREET TO US 70 IN MORGANTON	3/29/2022	9/19/2024	MCCRAY H. COATES
I-5990	BURKE	I-40 AT EXIT 118 - SR 1761 (OLD NC 10). CONSTRUCT INTERCHANGE IMPROVEMENTS.	9/15/2023	9/17/2024	EDDIE DOUGLAS
BR-0068	BURKE	REPLACE BRIDGE 110103 ON NC 126 OVER CANOE CREEK	10/21/2022	10/17/2023	KEVIN FISCHER
R-5793HB	BURKE	ADA RAMPS >5000; CURB RAMP UPGRADE; CONSTRUCT ADA COMPLIANTRAMPS AT VARIOUS LOCATIONS (AMERICANS WITH DISABILITIES ACT)		11/23/2022	MCCRAY H. COATES
BL-0001	BURKE	MAIN AVENUE EAST CONSTRUCT PEDESTRIAN IMPROVEMENTS FROM 2NDSTREET SE TO US 70.	5/31/2022	10/31/2022	MCCRAY H. COATES
HA-0001	BURKE	NEW ROUTE, CONSTRUCT ACCESS ROAD INTO BURKE COUNTY INDUSTRIAL PARK.		5/18/2022	EDDIE DOUGLAS
B-5869	BURKE	REPLACE BRIDGE 99 OVER NORFOLK SOUTHERN RAILROAD ON US 64 /US 70 IN MORGANTON	5/13/2021	5/17/2022	KEVIN FISCHER
R-5793IA	BURKE	ADA RAMPS -DISTRICT I- <5000 CURB RAMP UPGRADE; CONSTRUCT ADA RAMPS AT VARIOUS LOCATIONS (AMERICANS WITH DISABILITIES ACT)		3/2/2022	MCCRAY H. COATES
W-5813B	BURKE	VARIOUS SECONDARY ROUTES IN BURKE, MITCHELL, RUTHERFORD ANDYANCEY COUNTIES		2/16/2022	MCCRAY H. COATES
R-5967	BURKE	SR 1687 (GOAT FARM ROAD) IMPROVE EXISTING SR 1687 (GOAT FARM ROAD) ACCESS ROAD INTO THE PROPOSED INDUSTRIAL PARK.		1/19/2022	EDDIE DOUGLAS
17BP.13.R.153	BURKE	Replace bridge 209 on SR1623 over UT to Drowning Creek inBurke County		1/5/2022	Michael K. Calloway
17BP.13.R.165	BURKE	Replace bridge 155 on SR1410 over UT to Irish Creek in Burke County		1/5/2022	Michael K. Calloway
B-6011	BURKE	BRIDGE 145 OVER BRISTOL CREEK ON SR 1430 (COMB W/B-6014, B-6013 & B-6016).	12/21/2021	12/21/2021	DAVID STARK