

May 25, 2022

TO: DCHC MPO Technical Committee
FROM : Kayla Peloquin, Transportation Planner, DCHC MPO
SUBJECT: Draft FY2024-2033 STIP

Summary. On April 25, 2022, NCDOT released the first version of the draft FY2024-2033 State Transportation Improvement Program (STIP). NCDOT has created a new process to allow MPOs and RPOs to swap projects to better align projects and schedules with their priorities. All swaps must be agreed to by NCDOT and the MPO and are due by September 30, 2022.

Background. The preliminary draft FY2024-2033 STIP is the first new STIP to be developed since the current FY2020-2029 STIP. While normally done on a two-year cycle, this STIP cycle is four years (the maximum allowed by FHWA). Due to recent fiscal constraints at NCDOT, the cancellation of Prioritization 6.0 was announced in the fall of 2021, and the FY2024-2033 STIP does not include projects submitted in Prioritization 6.0; it only includes projects funded in the FY2020-2029 STIP.

Projects in the first five years of the STIP (through FY2028) are considered committed, meaning they will not be subject to re-evaluation. They are labeled as “scheduled for delivery” in the STIP under the column “current prioritization status”. However, projects in the last five years (FY2029 or later) are listed as “will be reprioritized,” meaning they must go through Prioritization 7.0. Projects that are shown as “not funded” will automatically be reprioritized as well as part of Prioritization 7.0.

The draft STIP this cycle is in an excel spreadsheet format to allow for sorting and filtering. The spreadsheet has two tabs, the first of which contains the full draft STIP, and the second contains projects eligible for swaps, which is a subset of all projects included in the first tab. The full draft STIP has been provided for review.

Issues. In late 2021 the SPOT Work Group and the North Carolina Board of Trustees approved a process for the development of the FY2024-2033 STIP. This process allows for the opportunity to “swap” projects at this stage of the STIP development in order to provide some flexibility and input from the MPOs. MPOs may request swaps of projects that are currently not in the draft STIP for those that are. However, there are certain conditions that must be met by the proposed swaps, including:

- The cost of project(s) swapped in must be within 10% of the cost of project(s) being swapped out;
- Projects swapped must not affect the overall budget for the committed and non-committed timeframes;
- The normalization policy (90% highway, 4% non-highway, 6% flex) must not be violated as a result of the swap;
- Projects to be “swapped in” must be in the current FY2020-2029 STIP; and
- The swaps must be agreed to by the NCDOT Division Engineer for that Division.

MPO staff is currently reviewing the draft STIP to determine potential swaps, both for bringing projects into the FY2024-2033 STIP that are currently not funded, as well as moving projects into the committed portion of the draft STIP from the latter five years. MPO staff will work with local staff over the next few weeks to review potential swaps and make sure they are consistent with local priorities.

While not required by the guidelines, meeting the above criteria will be easier if swaps are done with projects within the same NCDOT division/county.

Swaps are due to NCDOT by September 30. While not required, MPO staff believes that any swaps should be endorsed by a resolution of the MPO Board. Therefore, approval will be needed by the Board at its September 14 meeting. MPO staff will present proposed swaps at the July TC and August Board meetings, so that a final review and approval can take place at the August TC and September Board meetings. A full schedule for the remainder of the STIP development is provided below.

Schedule. Below is the anticipated schedule for STIP development.

- May 25, 2022 – Introduction to TC
- June 8, 2022 – Introduction to MPO Board
- June/July – Work with local jurisdictions and NCDOT to determine proposed swaps
- July 27, 2022 – Review proposed swaps with TC, receive feedback
- August 10, 2022 – Review proposed swaps with MPO Board, receive feedback
- August 24, 2022 – TC makes recommendation on swaps to MPO Board
- September 14, 2022 – MPO Board votes to approve swaps
- September 30, 2022 – Project swaps due to STIP managers
- December 2022 – NCDOT releases revised draft STIP
- Spring 2023 – Draft STIP public comment period
- June 2023 – STIP approved by NC Board of Transportation
- September 2023 – DCHC MPO approves FY24-33 TIP

Projects.

The tables below include the DCHC MPO prominent projects included in the draft STIP.

Highway

STIP ID	Description	FY20-29 STIP		FY24-33 STIP	
		ROW	CON	ROW	CON
HS-2005C/D	NC 54 and NC 55 install concrete pedestrian refuge islands in all quadrants and install traffic signal	N/A	2022	N/A	2022
I-0305	I-85 add lanes from West of SR 1006 (Orange Grove Rd) to West of SR 1400 (Sparger Rd)	2029	After 2029	2029 or later	2029 or later
I-3306AC	I-40 at NC 86 upgrade to superstreet from Northwood Dr to ramp collector/distributor at I-40 Interchange	2024	2026	2028	2030
I-5707	I-40 from NC 55 to NC 147 construct westbound auxiliary lane	2024	After 2029	2028	2031
I-5967	I-85 and SR 1009 (S Churton St) interchange improvements	2025	2028	2029 or later	2029 or later
I-5984	I-85 and NC 86 upgrade interchange	2027	2029	2029 or later	2029 or later
I-6006	I-40 convert facility to a managed freeway with ramp metering and other ATM/ITS components from NC 54 (Exit 273) to SR 1728 (Wade Ave)	2028	2029	2029 or later	2029 or later
I-6010	I-85 / US 15 add lanes from East of SR 1827 (Midland Terrace) to SR 1632 (Red Mill Rd)	2029	After 2029	N/A	N/A
R-5821	NC 54 from SR 1006 (Orange Grove Rd) to SR 1107 / SR 1937 construct operational improvements including bike/ped accommodations	2026	2028	N/A	N/A
U-5304	US 15/501 interchange improvements and capacity improvements, with sidewalks, wide outside lanes, and transit accommodations	2029	After 2029	N/A	N/A
U-5516	US 501 (Roxboro Rd) intersection improvements at SR 1448 (Latta Rd) and SR 1639 (Infinity Rd)	2025	2027	2026	2028
U-5518	US 70 upgrade roadway to improve capacity, safety and traffic operations including interchanges at various locations	2025	2026	2025	2026
U-5717	US 15/501 at SR 1116 (Garrett Rd) convert at-grade intersection to interchange	Underway	2026	Underway	2026
U-5720	US 70 (Miami Blvd) upgrade to controlled-access facility and convert SR1811 at-grade intersection to interchange	2027	After 2029	2029 or later	2029 or later
U-5774	NC 54 upgrade I-40 interchange and roadway corridor	2029	After 2029	2029 or later	2029 or later
U-5823	Woodcroft Parkway Extension construct roadway on new alignment from SR 1116 (Garrett Rd) to NC 751	2024	2025	2024	2025
U-5845	SR 1009 (S Churton St) from I-40 to Eno River widen to multi-lanes	2026	2029	2027	2029

U-5934	NC 147 from I-40 to future EEC add lanes and rehabilitate pavement	2028	2028	2029 or later	2029 or later
U-5937	NC 147 (Durham Freeway) from SR 1127 (W. Chapel Hill St) to Briggs Ave construct auxiliary lanes and operational improvements	2027	After 2029	2029 or later	2029 or later
U-6021	SR 1118 (Fayetteville Rd) from Woodcroft Pkwy to Barbee Rd widen to 4-lane divided facility with bike/ped accommodations	2029	After 2029	2029 or later	2029 or later
U-6067	US 15/501 at I-40, Mount Moriah Rd, and Southwest Durham Parkway improve interchange/intersection area	2029	After 2029	N/A	N/A
U-6120	NC 98 (Holloway Street) add safety improvements, widen to add median, bicycle lanes, sidewalks, transit stop improvements, and traffic signals	2029	After 2029	N/A	N/A
U-6192	US 15/501 from US 64 Bypass to SR 1919 (Smith Level Rd) convert remaining non-synchronized sections of facility to synchronized street	2026	After 2029	2029 or later	2029 or later

Bicycle and Pedestrian

STIP ID	Description	FY20-29 STIP		FY24-33 STIP	
		ROW	CON	ROW	CON
BL-0028	SR 1127 (Chapel Hill St); W Club Blvd construct buffered bicycle lanes	N/A	2023	N/A	2023
BL-0030	US 15/501 construct buffered bicycle lanes	N/A	2022	N/A	2022
BL-0031	Various locations - construct bicycle accommodations	N/A	2023	N/A	2023
BL-0044	NC 54 Construct sidewalk and install pedestrian signals, crosswalks, and refuge islands	2022	2023	2022	2023
C-4928	SR 1317 (Morreene Rd) from Neal Rd to SR 1320 (Erwin Rd) construct bike lanes and sidewalks	2022	2023	2022	2023
C-5181	Jones Creek Greenway construct a foot bridge and paved trail	N/A	2022	N/A	2022
C-5183B	SR 1945 (S Alston Ave) construct sidewalks from SR 1171 (Riddle Rd) to Capps St	N/A	2022	N/A	2022
C-5650	SR 1919 (Smith Level Rd) / S Greensboro St construct sidewalk on one side	2022	2022	2022	2023
EB-5703	Lasalle St construct sidewalks on both sides from Kangaroo Dr to Hillsborough Rd and on one side from Hillsborough Rd to Sprunt Ave	2022	2022	2022	2022
EB-5704	Raynor St from N Miami Blvd to N Hardee St construct sidewalk on one side of street	2021	2022	2021	2022
EB-5708	NC 54 from NC 55 to RTP construct sections of sidewalk on South side	2021	2022	2021	2022
EB-5715	US 501 Bypass (N Duke St) construct sidewalk on East side to fill in existing gaps	2021	2022	2021	2022
EB-5720	Bryant Bridge North/Goose Creek W Trail construct shared-use path and connecting sidewalks	2022	2023	2022	2023
EB-5721	Orange County Bicycle Route 1 upgrade existing off-road path and construct new section of path	N/A	2022	N/A	2022
EB-5834	NC 157/SR 1322 (Guess Road) from Hillcrest Dr to SR 1407 (W Carver St) construct sidewalks on both sides	2025	2026	2025	2026
EB-5835	NC 55 from SR 1171 (Riddle Rd) to Cecil St construct sidewalk on East side to fill in missing gaps	2027	2028	2027	2028
EB-5837	Third Fork Creek Trail construct shared use path and sidewalks	2022	2023	2022	2023
EB-5880	SR 1005 (Jones Ferry Rd) from Davie Rd to SR 1010 (W. Main St) in Carrboro construct sidewalk on N side	2024	2025	2024	2025
EB-5886	SR 1780 (Estes Dr) construct bicycle and pedestrian improvements	2024 2023	2026 2025	2024 2023	2026 2025
EB-5890	Barnes St from King St to SR 1005 (Jones Ferry Rd) in Carrboro construct sidewalk	2024	2025	2024	2025
EB-5904	Durham Beltline Trail construct multi-use trail on former rail corridor	N/A	2022	N/A	2022
EB-5994	NC 54 from Anderson Park to James St in Carrboro construct multiuse path on N side of NC 54	2026	2028	2029 or later	2029 or later
EB-5998	US 15/501 from Willow Dr to SR 1741/SR 1838 construct multiuse paths	N/A	2026	N/A	2026

EL-4828	Morgan Creek Greenway construct greenway and connections	N/A	2022	N/A	2022
R-5825	NC 751 at SR 1731 (O'Kelly Chapel Rd) upgrade and realign intersection	N/A	2022	N/A	2023
U-4727	SR 1158 (Cornwallis Rd) from SR 2295 (S Roxboro St) to SR 1127 (Chapel Hill Rd) construct bicycle and pedestrian features	2022	2024	2022	2024

Public Transit

STIP ID	Description	FY20-29 STIP		FY24-33 STIP	
		ROW	CON	ROW	CON
TA-6719	Chatham transit network – purchase three new ramp-equipped minivans	N/A	2022	N/A	2020
TA-6721	Orange Public Transit – purchase two light transit vehicles	N/A	2022	N/A	2022
TD-5284	GoTriangle construct neighborhood transfer center in UNC Hospitals area	N/A	2024	N/A	2024

Attachments.

- Full draft FY2024-2033 STIP in excel format
- Draft FY2024-2033 STIP presentation

Resources.

- [NCDOT web page on FY2024-2033 STIP Development](#)
- [NCDOT FY2020-2029 STIP Projects Map](#)
- [NCDOT STIP Frequently Asked Questions](#)