



TRIANGLE WEST

Transportation Planning Organization

Transportation Improvement Program Amendment #8 Full Documentation June 24, 2025

- **TL-0049**
 - 2 ADA accessible mini-vans in Orange County to expand micro-transit zones.
 - Project is a duplicate of TN-6126, so it is being removed from the STIP
- **BL-0168**
 - Durham to Roxboro Rail Trail
 - Adding the Right of Way (ROW) for the project to the STIP
- **HO-0026**
 - Bridge Planning Study Grant award to the City of Durham
 - Adding this planning study to the STIP
- **HL-0156**
 - 2 EV Charging Stations in Chatham County
 - Delaying project start from FY26 to FY27
- **BL-0044**
 - Orange County: NC HWY 54, at the intersections of Westbrook Dr., Abbey Ln., and Kingswood Apt., to update pedestrian facilities including new signals and crosswalks.
 - Adding 543,000 in BGDA funds to prevent project delay
- **TL-0065**
 - GoDurham electric vehicle purchase
 - Adding CRPDA funds to FY25 & FY26
- **U-4726HO**
 - Constructing bike lanes and sidewalks on Carpenter Fletcher Road
 - Shifting funding from CON to ROW to prevent project delay
- **EB-5720**
 - Constructing shared use paths and connecting sidewalks along R. Kelly Bryant Bridge



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- Swapping ROW and CON funding to obligate the Congressman Price Omnibus funds that are at risk of being rescinded in Fall 2026.



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- **BL-0168: Durham to Roxboro Rail Trail**

- Action: Adding the Right of Way (ROW) for the project to the STIP
- Explanation: Project was awarded funding from the TW TPO FY25 Call for Projects. Time was needed to coordinate the local match portions between the City of Durham, Durham County, and Person County for STIP adoption.

PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	LOCATION DESCRIPTION	DESCRIPTION OF WORK	COUNTY(S)	DIVISION(S)	MPOs/RPOs	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	TOTAL FUNDED (MAY INCLUDE PREVIOUSLY AUTHORIZED FUNDS)	FY 2026
BL-0168	Bike & Ped	Locally Selected	Durham to Roxboro Rail Trail	NC 55 (Avondale Drive) in Durham to Patterson Drive / Somerset Church Road in Roxboro	Construct greenway.	DURHAM, PERSON	5	Triangle West TPO, Kerr-Tar RPO	Division 5	CMAQ	RIGHT-OF-WAY	3,250,000	\$ 3,250,000
BL-0168	Bike & Ped	Locally Selected	Durham to Roxboro Rail Trail	NC 55 (Avondale Drive) in Durham to Patterson Drive / Somerset Church Road in Roxboro	Construct greenway.	DURHAM, PERSON	5	Triangle West TPO, Kerr-Tar RPO	Division 5	BGDA	RIGHT-OF-WAY	7,500,000	\$ 7,500,000
BL-0168	Bike & Ped	Locally Selected	Durham to Roxboro Rail Trail	NC 55 (Avondale Drive) in Durham to Patterson Drive / Somerset Church Road in Roxboro	Construct greenway.	DURHAM, PERSON	5	Triangle West TPO, Kerr-Tar RPO	Division 5	L(M)	RIGHT-OF-WAY	1,688,000	\$ 1,688,000
BL-0168	Bike & Ped	Locally Selected	Durham to Roxboro Rail Trail	NC 55 (Avondale Drive) in Durham to Patterson Drive / Somerset Church Road in Roxboro	Construct greenway.	DURHAM, PERSON	5	Triangle West TPO, Kerr-Tar RPO	Division 5	L	RIGHT-OF-WAY	802,000	802,000
BL-0168	Bike & Ped	Locally Selected	Durham to Roxboro Rail Trail	NC 55 (Avondale Drive) in Durham to Patterson Drive / Somerset Church Road in Roxboro	Construct greenway.	DURHAM, PERSON	5	Triangle West TPO, Kerr-Tar RPO	Division 5	S(M)	RIGHT-OF-WAY	1,000,000	1,000,000



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- **HL-0026: Bridge Planning Study Grant awarded to the City of Durham**
 - Action: Adding this study to the STIP
 - Explanation: Adding this study to the STIP is a potential requirement to get the grant funds obligated once the grant agreement is finalized and executed.
 - The location of the two bridges being studied are as follows:
 - Bridge No. 310246 – Pettigrew Street over Campus Drive
 - Bridge No. 310280 – Ramseur Street over South Roxboro Street

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 2025
HO-0024	Highway	Planning	DURHAM	CONDUCT PLANNING AND ENVIRONMENTAL LINKAGES (PEL) STUDY FOR THE REPLACEMENT OF BRIDGE 310246 - PETTIGREW STREET OVER CAMPUS DRIVE AND BRIDGE 310280 - RAMSEUR STREET OVER SOUTH ROXBORO STREET.	DURHAM	5	Triangle West TPO	DP FUNDS REPRESENT BRIDGE INVESTMENT PROGRAM (BIP) GRANT AWARD AND "O(M)" FUNDS REPRESENT AN IN-KIND MATCH.	Exempt	DP	Planning	\$ 500,000	\$500,000
HO-0024	Highway	Planning	DURHAM	CONDUCT PLANNING AND ENVIRONMENTAL LINKAGES (PEL) STUDY FOR THE REPLACEMENT OF BRIDGE 310246 - PETTIGREW STREET OVER CAMPUS DRIVE AND BRIDGE 310280 - RAMSEUR STREET OVER SOUTH ROXBORO STREET.	DURHAM	5	Triangle West TPO	DP FUNDS REPRESENT BRIDGE INVESTMENT PROGRAM (BIP) GRANT AWARD AND "O(M)" FUNDS REPRESENT AN IN-KIND MATCH.	Exempt	O(M)	Planning	\$ 125,000	\$125,000



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- **HL-0156: 2 EV Charging Stations in Chatham County**
 - Action: Delaying project start from FY26 to FY27
 - Explanation: Additional time is needed to coordinate with local businesses on the location of the two charging stations.

PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	DESCRIPTION	COUNTY(S)	DIVISION(S)	MPOs/RPOs	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	FY 2027
HL-0156	Highway	Locally Selected	Various	LOCATIONS IN CHATHAM COUNTY. PURCHASE AND INSTALL TWO ELECTRIC VEHICLE CHARGING STATIONS.	Chatham	8	Triangle West TPO	Exempt	BGDA	CONSTRUCTION	\$213,000
HL-0156	Highway	Locally Selected	Various	LOCATIONS IN CHATHAM COUNTY. PURCHASE AND INSTALL TWO ELECTRIC VEHICLE CHARGING STATIONS.	Chatham	8	Triangle West TPO	Exempt	L(M)	CONSTRUCTION	\$ 53,000



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- **TL-0065: GoDurham electric vehicle purchase**
 - Action: Adding CRPDA funds to FY25 & FY26
 - Explanation: Utilizing any remaining CRPDA funds because they are at risk of being rescinded in FY26.

PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	DESCRIPTION	COUNTY(S)	DIVISION(S)	MPOs/RPOs	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	TOTAL FUNDED (MAY INCLUDE PREVIOUSLY AUTHORIZED FUNDS)	FY 2025	FY 2026	FY 2027
TL-0065	Public Transportation (Transit)	Locally Selected	GODURHAM	PURCHASE BATTERY ELECTRIC BUSES.	DURHAM	5	Triangle West TPO	Division 5	CRPDA	CAPITAL	1,726,000	\$863,000	\$863,000	
TL-0065	Public Transportation (Transit)	Locally Selected	GODURHAM	PURCHASE BATTERY ELECTRIC BUSES.	DURHAM	5	Triangle West TPO	Division 5	BGDA	CAPITAL	863,000			\$863,000
TL-0065	Public Transportation (Transit)	Locally Selected	GODURHAM	PURCHASE BATTERY ELECTRIC BUSES.	DURHAM	5	Triangle West TPO	Division 5	L(M)	CAPITAL	648,000	\$216,000	\$216,000	\$216,000
TL-0065	Public Transportation (Transit)	Locally Selected	GODURHAM	PURCHASE BATTERY ELECTRIC BUSES.	DURHAM	5	Triangle West TPO	Division 5	L	CAPITAL	309,000	\$103,000	\$103,000	\$103,000



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- **U-4726HO: Constructing bike lanes and sidewalks on Carpenter Fletcher Road**

- Action: Shifting funding from CON to ROW to prevent project delay
- Explanation: After a period of delay, the project became ready to move forward with Right-of-Way. Sufficient funds were not already programmed so funding was shifted from the Construction phase to the Right-of-Way phase to not delay the project any further.

PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	DESCRIPTION	COUNTY(S)	DIVISION(S)	MPOs/RPOs	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	TOTAL FUNDED (MAY INCLUDE PREVIOUSLY AUTHORIZED FUNDS)	FY 2024	FY 2025
U-4726HO	Bike & Ped	Locally Selected	CARPENTER - FLETCHER ROAD	WOODCROFT PARKWAY (CITY MAINTAINED) TO SR 1945 (ALSTON AVENUE). CONSTRUCT BIKE LANES AND SIDEWALKS.	DURHAM	5	Triangle West TPO	Division 5	BGANY	RIGHT-OF-WAY	1,250,000		1,250,000
U-4726HO	Bike & Ped	Locally Selected	CARPENTER - FLETCHER ROAD	WOODCROFT PARKWAY (CITY MAINTAINED) TO SR 1945 (ALSTON AVENUE). CONSTRUCT BIKE LANES AND SIDEWALKS.	DURHAM	5	Triangle West TPO	Division 5	L	RIGHT-OF-WAY	312,000		312,000
U-4726HO	Bike & Ped	Locally Selected	CARPENTER - FLETCHER ROAD	WOODCROFT PARKWAY (CITY MAINTAINED) TO SR 1945 (ALSTON AVENUE). CONSTRUCT BIKE LANES AND SIDEWALKS.	DURHAM	5	Triangle West TPO	Division 5	BGANY	CONSTRUCTION	5,055,000		5,055,000
U-4726HO	Bike & Ped	Locally Selected	CARPENTER - FLETCHER ROAD	WOODCROFT PARKWAY (CITY MAINTAINED) TO SR 1945 (ALSTON AVENUE). CONSTRUCT BIKE LANES AND SIDEWALKS.	DURHAM	5	Triangle West TPO	Division 5	L	CONSTRUCTION	1,264,000		1,264,000



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- **EB-5720: Constructing shared use paths and connecting sidewalks along R. Kelly Bryant Bridge**
 - Action: Swapping the funding sources for ROW and CON
 - Explanation: Swap was made to utilize the congressional funds in earlier years because they are at risk of being rescinded in Fall 2026.

PROJECT ID	MODE	FUNDING PROGRAM	ROUTE/CITY	DESCRIPTION	LENGTH (MILES)	COUNTY(S)	DIVISION(S)	MPOs/RPOs	COMMENT	CATEGORY FUNDED	FUND SOURCE	ACTIVITY	TOTAL FUNDED (MAY INCLUDE PREVIOUSLY AUTHORIZED FUNDS)	FY 2025	FY 2026
EB-5720	Bike & Ped	STI (Prioritization)	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL	NC 55 TO TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS.	1.11	DURHAM	5	Triangle West TPO	SCOPE AND COST OF EB-5833 PROJECT IS COMBINED WITH EB-5720. HP REPRESENTS FUNDS FROM 2023 FEDERAL APPROPRIATIONS ACT.	Division 5			870,000		
EB-5720	Bike & Ped	STI (Prioritization)	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL	NC 55 TO TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS.	1.11	DURHAM	5	Triangle West TPO	SCOPE AND COST OF EB-5833 PROJECT IS COMBINED WITH EB-5720. HP REPRESENTS FUNDS FROM 2023 FEDERAL APPROPRIATIONS ACT.	Division 5	HP	RIGHT-OF-WAY	2,320,000	2,320,000	
EB-5720	Bike & Ped	STI (Prioritization)	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL	NC 55 TO TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS.	1.11	DURHAM	5	Triangle West TPO	SCOPE AND COST OF EB-5833 PROJECT IS COMBINED WITH EB-5720. HP REPRESENTS FUNDS FROM 2023 FEDERAL APPROPRIATIONS ACT.	Division 5	L(M)	RIGHT-OF-WAY	580,000	580,000	
EB-5720	Bike & Ped	STI (Prioritization)	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL	NC 55 TO TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS.	1.11	DURHAM	5	Triangle West TPO	SCOPE AND COST OF EB-5833 PROJECT IS COMBINED WITH EB-5720. HP REPRESENTS FUNDS FROM 2023 FEDERAL APPROPRIATIONS ACT.	Division 5	TAANY	CONSTRUCTION	1,800,000		1,800,000
EB-5720	Bike & Ped	STI (Prioritization)	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL	NC 55 TO TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS.	1.11	DURHAM	5	Triangle West TPO	SCOPE AND COST OF EB-5833 PROJECT IS COMBINED WITH EB-5720. HP REPRESENTS FUNDS FROM 2023 FEDERAL APPROPRIATIONS ACT.	Division 5	L(M)	CONSTRUCTION	700,000		700,000



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

May 2, 2025

MEMO TO: Durham Chapel Hill Carrboro MPO

FROM: James B. Yates, MS, PE
Project Manager, Division 7, Design Deliver Construct (DDC)

SUBJECT: Cost Verification/Additional Funding Request – **STIP Project BL-0044**, Orange County:
NC HWY 54, at the intersections of Westbrook Dr., Abbey Ln., and Kingswood Apt., to update
pedestrian facilities including new signals and crosswalks.

Verified Cost Estimate

Phase	Initial Estimate ¹	Previous Verified Estimate ²	Latest Verified Estimate ³	Latest Estimate and Previous Estimate Difference ⁴		Latest Estimate Date
				(\$)	(%)	
Right-of-Way	\$0	\$0	\$0	\$0	\$0	N/A
Utilities	\$0	\$0	\$0	\$0	\$0	N/A
Construction	\$1,311,000	\$1,311,000	\$1,938,539	\$627,539	47.9%	4/8/2025
Total	\$1,311,000	\$1,311,000	\$1,938,539	\$627,539	47.9%	

Engineering Stage: Design complete, ready to let for construction

The difference between the latest and previous estimated costs is:

Construction cost estimate increases were 47.9% due to inflationary costs. The project has been delayed several times due to utility conflicts. These conflicts have recently been resolved. Unfortunately, construction costs have risen in recent years, which have led to the increased cost estimate. The Division is seeking funding to advertise and to let the project on July 17, 2025, with an anticipated availability date of August 13, 2025. Project completion is expected by the summer of 2026.

See attachment for additional details on the latest construction cost estimate.

*NCDOT is looking for TWTPO MPO to provide an additional **\$543,000** to fund the project for construction.*

Latest Construction estimate prepared by: James B. Yates, Division 7 DDC

Reviewed by: Trung Nguyen, MS, PE
Division 7 DDC Engineer

1. The estimate used in the latest Prioritization cycle (P3.0, P4.0, P5.0) or the initial STIP estimate for all other projects.
2. The estimate noted in the previous cost verification memo. This value should be blank if this memo is the first verified estimate or zero if there is no cost for the phase.
3. The most current estimate. This value may be the same as the previous estimate if no changes have occurred since the last update or the value may be for a phase that has been previously authorized.
4. If the previous verified estimate value is blank or zero, the difference is calculated by comparing the latest verified estimate and the initial estimate.

TIP No.
Route
From
Typical Section
Number of Lanes
Drainage Type

BL-0044

Pedestrian Facility Upgrade and Signal

Curb & Gutter, Shoulder

Design Complete

County: **ORANGE**

CONSTR. COST
\$1,938,539

Prepared By: Div 7 DDC
Requested By:
Priced By: Div 7 DDC

Date

Line Item	Des	Sec No.	Description	Quantity	Unit	Price	Amount
M			MOBLIZATION	1	LS	\$ 72,658.88	\$ 72,658.88
0000400000-N			CONSTRUCTION SURVEYING	1	LS	\$ 20,000.00	\$ 20,000.00
0063000000-N			GRADING	1	LS	\$ 30,000.00	\$ 30,000.00
1297000000-E			MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH	10,181	SY	\$ 3.50	\$ 35,633.50
1491000000-E			ASPHALT CONC BASE COURSE, TYPE B25.0C	85	TON	\$ 105.00	\$ 8,925.00
1503000000-E			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	50	TON	\$ 105.00	\$ 5,250.00
1523000000-E			ASPHALT CONC SURFACE COURSE, TYPE S9.5C	820	TON	\$ 95.00	\$ 77,900.00
1575000000-E			ASPHALT BINDER FOR PLANT MIX	65	TON	\$ 750.00	\$ 48,750.00
2549000000-E			2'-6" CONCRETE CURB & GUTTER	825	LF	\$ 60.00	\$ 49,500.00
2591000000-E			4" CONCRETE SIDEWALK	250	SY	\$ 80.00	\$ 20,000.00
2605000000-N			CONCRETE CURB RAMPS	15	EA	\$ 3,500.00	\$ 52,500.00
2655000000-E			5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	519	SY	\$ 95.00	\$ 49,305.00
2738000000-E			GENERIC PAVING ITEM REMOVE CURB & GUTTER	756	LF	\$ 40.00	\$ 30,240.00
2752000000-E			GENERIC PAVING ITEM (REMOVE AND REPLACE 2'-6" CURB AND GUTT	155	LF	\$ 90.00	\$ 13,950.00
2830000000-N			ADJUSTMENT OF MANHOLES	7	EA	\$ 1,500.00	\$ 10,500.00
2845000000-N			ADJUSTMENT OF METER BOXES OR VALVE BOXES	3	EA	\$ 1,500.00	\$ 4,500.00
3287000000-N			GUARDRAIL END UNITS, TYPE TL-3	1	EA	\$ 4,000.00	\$ 4,000.00
3360000000-E			REMOVE EXISTING GUARDRAIL	50	LF	\$ 10.00	\$ 500.00
			EROSION CONTROL				
6084000000-E			SEEDING & MULCHING	1	ACR	\$ 10,000.00	\$ 9,000.00
6133000000-N			GENERIC EROSION CONTROL ITEM EROSION CONTROL	1	LS	\$ 27,000.00	\$ 27,000.00
			SIGNALS & ITS				
7048500000-E			PEDESTRIAN SIGNAL HEAD (16", 1 SECTION WITH COUNTDOWN)	14	EA	\$ 1,500.00	\$ 21,000.00
7060000000-E			SIGNAL CABLE	3,425	LF	\$ 5.00	\$ 17,125.00
7120000000-E			VEHICLE SIGNAL HEAD (12", 3 SECTION)	24	EA	\$ 1,300.00	\$ 31,200.00
7144000000-E			VEHICLE SIGNAL HEAD (12", 5 SECTION)	6	EA	\$ 2,000.00	\$ 12,000.00
7279000000-E			TRACER WIRE	2,250	LF	\$ 1.50	\$ 3,375.00
7288000000-E			PAVED TRENCHING (1 conduit, 2 inch)	50	LF	\$ 50.00	\$ 2,500.00
7300000000-E			UNPAVED TRENCHING (1 conduit, 2 inch)	1,850	LF	\$ 15.00	\$ 27,750.00
7300000000-E			UNPAVED TRENCHING (2 conduits, 2 inch)	1,225	LF	\$ 15.00	\$ 18,375.00
7301000000-E			DIRECTIONAL DRILL (2 conduits, 2 inch)	2,150	LF	\$ 30.00	\$ 64,500.00
7324000000-N			JUNCTION BOX (STANDARD SIZE)	30	EA	\$ 750.00	\$ 22,500.00
7348000000-N			JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	6	EA	\$ 1,200.00	\$ 7,200.00
7444000000-E			INDUCTIVE LOOP SAWCUT	1,950	LF	\$ 12.00	\$ 23,400.00
7456000000-E			LEAD-IN CABLE (14-2)	6,450	LF	\$ 3.50	\$ 22,575.00
7481000000-N			SITE SURVEY	2	EA	\$ 1,500.00	\$ 3,000.00
7481200000-N			LUMINAIRE ARM FOR VIDEO SYSTEM	2	EA	\$ 1,000.00	\$ 2,000.00
7481240000-N			CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	2	EA	\$ 5,000.00	\$ 10,000.00
7481260000-N			EXTERNAL LOOP EMULATOR PROCESSING UNIT	2	EA	\$ 6,500.00	\$ 13,000.00
7528000000-E			DROP CABLE	2,825	LF	\$ 4.00	\$ 11,300.00
7540000000-N			SPLICE ENCLOSURE	2	EA	\$ 2,000.00	\$ 4,000.00
7552000000-N			INTERCONNECT CENTER	6	EA	\$ 2,250.00	\$ 13,500.00
7564000000-N			FIBER-OPTIC TRANSCEIVER, DROP & REPEAT	6	EA	\$ 2,500.00	\$ 15,000.00
7566000000-N			DELINEATOR MARKER	8	EA	\$ 140.00	\$ 1,120.00
7588000000-N			METAL POLE WITH SINGLE MAST ARM	6	EA	\$ 25,000.00	\$ 150,000.00
7613000000-N			SOIL TEST	6	EA	\$ 3,000.00	\$ 18,000.00
7614100000-E			DRILLED PIER FOUNDATION	36	CY	\$ 2,000.00	\$ 72,000.00
7631000000-N			MAST ARM WITH METAL POLE DESIGN	6	EA	\$ 650.00	\$ 3,900.00
7636000000-N			SIGN FOR SIGNALS	6	EA	\$ 550.00	\$ 3,300.00
7642200000-N			TYPE II PEDESTAL WITH FOUNDATION	25	EA	\$ 4,000.00	\$ 100,000.00
7684000000-N			SIGNAL CABINET FOUNDATION	6	EA	\$ 2,500.00	\$ 15,000.00
7696000000-N			CONTROLLER WITH CABINET (TYPE 2070LX, BASE MOUNTED)	6	EA	\$ 15,000.00	\$ 90,000.00
7744000000-N			DETECTOR CARD (TYPE 170)	24	EA	\$ 160.00	\$ 3,840.00
7901000000-N			CABINET BASE EXTENDER	6	EA	\$ 750.00	\$ 4,500.00
7980000000-N			JUNCTION BOX (SPECIAL OVERSIZED, 36x24x24)	2	EA	\$ 2,500.00	\$ 5,000.00
			TRAFFIC CONTROL				
4457000000-N			TEMP TRAFFIC CONTROL (SP)	1	LS	\$ 100,000.00	\$ 100,000.00
			THERMO & PAVEMENT MARKINGS				

4688000000-E			THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	2,098	LF	\$ 1.50	\$ 3,147.00
4695000000-E			THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	1,442	LF	\$ 6.00	\$ 8,652.00
4709000000-E			THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	1,141	LF	\$ 15.00	\$ 17,115.00
4720000000-E			THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	32	EA	\$ 125.00	\$ 4,000.00
4725000000-E			THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	35	EA	\$ 150.00	\$ 5,250.00
4905000000-N			SNOWPLOWABLE PAVEMENT MARKERS	80	EA	\$ 70.00	\$ 5,600.00
			MISCELLANEOUS (5% STR & UTILITIES)				\$ -
			MISCELLANEOUS (10% ROADWAY)				\$ 145,317.75

Lgth ____ Mi.

Contract Cost	\$ 1,671,154.13
E. & C. 16%	\$ 267,384.66
Construction Cost	\$ 1,938,538.79

REVISIONS TO THE 2024-2033 STIP
HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP MODIFICATIONS

TQ-3002 DURHAM PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GODURHAM, PURCHASE SERVICE FOR PASSENGERS WHO ARE ELIGIBLE FOR ADA SERVICES OUTSIDE OF THE 3/4 MILE ADA SERVICE AREA OF GODURHAM. <u>MODIFY FUNDING IN FY 25 AND FY 26 AT THE REQUEST OF THE MPO.</u>	ACQUISITION	FY 2025 - \$48,000 (L(M)) FY 2025 - \$192,000 (5310) FY 2026 - \$48,000 (L(M)) FY 2026 - <u>\$192,000</u> (5310) \$480,000
* U-4726HN DURHAM PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	SR 1321 (HILLANDALE ROAD), I-85 TO NC 147 (DURHAM FREEWAY) IN DURHAM. PEDESTRIAN IMPROVEMENTS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2025 - \$4,195,000 (BGDA) FY 2025 - <u>\$1,049,000</u> (L) \$5,244,000

* INDICATES FEDERAL AMENDMENT

Thursday, April 3, 2025

REVISIONS TO THE 2024-2033 STIP
HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP ADDITIONS

* HO-0026 DURHAM PROJ.CATEGORY EXEMPT	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	DURHAM, CONDUCT PLANNING AND ENVIRONMENTAL LINKAGES (PEL) STUDY FOR THE REPLACEMENT OF BRIDGE 310246 - PETTIGREW STREET OVER CAMPUS DRIVE AND BRIDGE 310280 - RAMSEUR STREET OVER SOUTH ROXBORO STREET. <u>ADD PROJECT AT THE REQUEST OF THE MPO. "DP"</u> <u>FUNDS REPRESENT BRIDGE INVESTMENT PROGRAM</u> <u>(BIP) GRANT AWARD AND "O(M)" FUNDS REPRESENT</u> <u>AN IN-KIND MATCH.</u>	PLANNING	FY 2025 - \$500,000 (DP) FY 2025 - \$125,000 (O(M)) \$625,000
TC-0042 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	CHAPEL HILL TRANSIT, MOBILITY MANAGEMENT 5310 GRANT. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2025 - \$15,000 (S) FY 2025 - \$60,000 (5307) \$75,000
TC-0043 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	CHAPEL HILL TRANSIT, EX RIDER SENIOR SHUTTLE 5310 GRANT. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2025 - \$274,000 (L) FY 2025 - \$274,000 (5310) \$548,000

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP ADDITIONS

TU-0019 DURHAM PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GO DURHAM, PLANNING ASSISTANCE FOR GODURHAM. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	PLANNING	FY 2025 - \$26,000 (S) FY 2025 - \$26,000 (L) FY 2025 - \$206,000 (5303) FY 2026 - \$27,000 (S) FY 2026 - \$27,000 (L) FY 2026 - \$215,000 (5303) FY 2027 - \$28,000 (S) FY 2027 - \$28,000 (L) FY 2027 - \$227,000 (5303) FY 2028 - \$30,000 (S) FY 2028 - \$30,000 (L) FY 2028 - <u>\$238,000</u> (5303) \$1,108,000
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STIP MODIFICATIONS

EB-5720 DURHAM PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL, NC 55 TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 25 TO FY 26.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2026 - \$1,440,000 (TAANY) FY 2026 - \$360,000 (L(M)) FY 2027 - \$2,320,000 (HP) FY 2027 - \$580,000 (L(M)) FY 2027 - \$1,360,000 (TAANY) FY 2027 - <u>\$340,000</u> (L(M)) \$6,400,000
EB-5837 DURHAM PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	THIRD FORK CREEK TRAIL, SOUTHERN BOUNDARIES PARK TO AMERICAN TOBACCO TRAIL IN DURHAM. CONSTRUCT SHARED USE PATH AND SIDEWALKS, AND INSTALL BEACON AT SR 1158 (CORNWALLIS ROAD) CROSSING. <u>TO REFLECT LATEST DELIVERY SCHEDULE, DELAY RIGHT-OF-WAY FROM FY 24 TO FY 25.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2025 - \$770,000 (TAANY) FY 2025 - \$193,000 (L(M)) FY 2027 - \$4,640,000 (TAANY) FY 2027 - <u>\$1,160,000</u> (L(M)) \$6,763,000

* INDICATES FEDERAL AMENDMENT

Thursday, May 1, 2025

REVISIONS TO THE 2024-2033 STIP
HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP MODIFICATIONS

HS-2007H ORANGE PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	SR 1009 (OLD NC 86), SR 1727 (EUBANKS ROAD) NEAR CHAPEL HILL. MODIFY RIGHT TURN LANE. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 25 TO FY 26.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 -	\$10,000	(HSIP)
				FY 2025 -	\$5,000	(HSIP)
				FY 2026 -	\$137,000	(HSIP)
					\$152,000	
TA-4726 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	CHAPEL HILL TRANSIT, REPLACEMENT BUSES <u>MODIFY FUNDING IN FY 25 AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2025 -	\$3,000,000	(CMAQ)
				FY 2025 -	\$2,000,000	(CPF)
				FY 2025 -	\$1,250,000	(L)
					\$6,250,000	

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP
HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP MODIFICATIONS

* TL-0027 DURHAM PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GOTRIANGLE, THE NC 54-FALCONBRIDGE CONSTRUCTION PROJECT AIMS TO ADDRESS CRITICAL TRANSIT ACCESS AND TRANSIT OPERATIONS SAFETY CONCERNS ALONG NC 54 IN THE FALCONBRIDGE AREA IN SOUTHWESTERN DURHAM COUNTY, THEREBY INCREASING TRANSIT RIDERSHIP AND REDUCING EMISSIONS. THE PROJECT IS LOCATED WITHIN CITY OF DURHAM CITY LIMITS FROM FARRINGTON ROAD TO HUNTINGRIDGE ROAD. THE PROJECT WILL PROVIDE SAFE PEDSTRIAN CONNECTIONS FOR TRANSIT USERS TO EXISTING AND PLANNED SIGNALIZED CROSSINGS IN THIS CORRIDOR, GIVEN THE HIGH SPEEDS AND TRAFFIC VOLUMES ON NC-54. THE PROJECT INCLUDES CONSTRUCTION OF BUS STOPLANDING PADS, SHELTERS, BENCHES, BUT PULLOUT AND TAPERS, SIDEWALK, CURB AND GUTTER, CURB RAMPS, CROSSWALKS, PEDSTRIAN MEDIAN REFUGE ISLANDS, APPROPRIATE SAFETY SIGNAGE, PEDSTRIAN SIGNAL HEADS AND COMPLIMENTARY TRAFFIC SIGNAL MODIFICATIONS, AND OTHER SUPPORTING ROADWAY MODIFICATIONS. <u>ADD ADDITIONAL CONSTRUCTION FUNDING IN FY 25 NOT PREVIOUSLY PROGRAMMED. THIS ACTION ADDS THE PROJECT TO THE FEDERALLY APPROVED STIP.</u>	CONSTRUCTION	FY 2025 - \$903,000 (CMAQ) FY 2025 - \$226,000 (L(M)) \$1,129,000
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* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP ADDITIONS

* BL-0168 DURHAM PERSON PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION - KERR TAR RURAL PLANNING ORGANIZATION	DURHAM TO ROXBORO RAIL TRAIL, NC 55 (AVONDALE DRIVE) IN DURHAM TO PATTERSON DRIVE / SOMERSET CHURCH ROAD IN ROXBORO. CONSTRUCT GREENWAY. <u>ADD PROJECT AT THE REQUEST OF THE MPO. S(M)</u> <u>FUNDS REPRESENT NC COMPLETE THE TRAILS</u> <u>PROGRAM FUNDS.</u>	RIGHT-OF-WAY	FY 2026 - \$7,500,000 (BGDA) FY 2026 - \$3,250,000 (CMAQ) FY 2026 - \$1,000,000 (S(M)) FY 2026 - \$1,688,000 (L(M)) FY 2026 - <u>\$802,000</u> (L) \$14,240,000
TM-0066 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	ORANGE COUNTY PUBLIC TRANSIT, SYSTEMWIDE. OPERATING ASSISTANCE <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	OPERATIONS	FY 2025 - \$429,000 (L) FY 2025 - \$429,000 (5307) FY 2026 - \$429,000 (L) FY 2026 - <u>\$429,000</u> (5307) \$1,716,000
TM-0067 DURHAM PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GODURHAM, SYSTEMWIDE. PURCHASE SERVICE FOR PASSENGERS WHO ARE ELIGIBLE FOR ADA SERVICES OUTSIDE OF THE 3/4 MILE ADA SERVICE AREA OF GODURHAM. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	ACQUISITION	FY 2025 - \$50,000 (L) FY 2025 - \$200,000 (5310) FY 2026 - \$50,000 (L) FY 2026 - <u>\$200,000</u> (5310) \$500,000
TM-0068 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	ORANGE COUNTY STEAM, SYSTEMWIDE. FUNDING FOR EDUCATION PROGRAM, EXPAND AND MANAGE A VOLUNTEER DRIVER PROGRAM, AND PURCHASE SERVICE FOR TRANSPORTATION OPERATORS. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	OPERATIONS	FY 2025 - \$48,000 (L) FY 2025 - \$192,000 (5310) FY 2026 - \$48,000 (L) FY 2026 - <u>\$192,000</u> (5310) \$480,000

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP MODIFICATIONS

* EB-5834 DURHAM PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL, HILLCREST DRIVE TO SR 1407 (WEST CARVER STREET) IN DURHAM. CONSTRUCT SIDEWALKS ON BOTH SIDES. <u>ADD UTILITIES NOT PREVIOUSLY PROGRAMMED.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - \$163,000 (TAANY) FY 2025 - \$41,000 (L(M)) FY 2025 - \$336,000 (TAANY) FY 2025 - \$84,000 (L(M)) FY 2026 - \$72,000 (TAANY) FY 2026 - \$18,000 (L(M)) FY 2026 - \$694,000 (L) FY 2027 - \$4,394,000 (TAANY) FY 2027 - \$1,099,000 (L(M)) FY 2028 - \$2,739,000 (TAANY) FY 2028 - \$685,000 (L(M)) \$10,325,000
* HS-2005L DURHAM PROJ.CATEGORY DIVISION	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	SR 1327 (GREGSON STREET), KNOX STREET INTERSECTION. INSTALL TRAFFIC SIGNAL. <u>ADD UTILITIES NOT PREVIOUSLY PROGRAMMED. TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATION. DELAY CONSTRUCTION FROM FY 25 TO FY 26.</u>	UTILITIES CONSTRUCTION	FY 2026 - \$15,000 (HSIP) FY 2026 - \$110,000 (HSIP) \$125,000
TA-4818B DURHAM ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GOTRIANGLE, SYSTEMWIDE. PURCHASE REPLACEMENT BUS. <u>MODIFY FUNDING IN FY 25 AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2025 - \$1,114,000 (L) FY 2025 - \$4,000,000 (5307) FY 2025 - \$455,000 (5309) \$5,569,000

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP HIGHWAY PROGRAM

TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION

STIP MODIFICATIONS

TG-4821B DURHAM ORANGE WAKE PROJ.CATEGORY PUBLIC TRANS	- CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION - TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GOTRIANGLE, SYSTEMWIDE. FUNDING FOR ROUTINE CAPITAL INCLUDING BUS STOP SHELTERS, BENCHES, SHOP EQUIPMENT, SPARE PARTS, ENGINES, FAREBOX, SERVICE VEHICLES ETC. <u>MODIFY FUNDING IN FY 25 AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2025 - \$1,111,000 (L) FY 2025 - <u>\$4,444,000</u> (5307) \$5,555,000
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TL-0035 ORANGE PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	CHAPEL HILL TRANSIT, SOUTHERN VILLAGE PARK AND RIDE LOT TO EUBANKS ROAD PARK AND RIDE LOT. . CONSTRUCT NORTH-SOUTH BUS RAPID TRANSIT (NSBRT) SYSTEM. <u>MODIFY FUNDING IN FY 27 AT THE REQUEST OF THE MPO.</u>	CONSTRUCTION	FY 2027 - \$38,744,000 (L) FY 2027 - <u>\$162,804,000</u> (5307) \$201,548,000
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STIP DELETIONS

* TD-5273 DURHAM PROJ.CATEGORY EXEMPT	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GOTRIANGLE, SYSTEMWIDE. FUNDING FOR PROFESSIONAL SERVICES AND PROPERTY ACQUISITION FOR ROUGEMONT PARK AND RIDE. <u>REMOVE PROJECT AT THE REQUEST OF THE MPO.</u>	CONSTRUCTION	FY 2023 - \$116,000 (BGDA) FY 2023 - <u>\$61,000</u> (L) \$177,000
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TQ-3002 DURHAM PROJ.CATEGORY PUBLIC TRANS	- TRIANGLE WEST TRANSPORTATION PLANNING ORGANIZATION	GODURHAM, SYSTEMWIDE. PURCHASE SERVICE FOR PASSENGERS WHO ARE ELIGIBLE FOR ADA SERVICES OUTSIDE OF THE 3/4 MILE ADA SERVICE AREA OF GODURHAM. <u>REMOVE PROJECT AT THE REQUEST OF INTEGRATED MOBILITY DIVISION.</u>	ACQUISITION	FY 2025 - \$48,000 (L) FY 2025 - \$192,000 (5310) FY 2026 - \$48,000 (L) FY 2026 - <u>\$192,000</u> (5310) \$480,000
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* INDICATES FEDERAL AMENDMENT

Thursday, June 5, 2025

**RESOLUTION TO MODIFY THE 2024-2033 TRANSPORTATION
IMPROVEMENT PROGRAM FOR THE TRIANGLE WEST METROPOLITAN
PLANNING AREA**

AMENDMENT #8

June 17, 2025

A motion was made by TPO Board Member Donny Nowell and seconded by TPO Board Member Wendy Jacobs for the adoption of the following resolution, and upon being put to a vote, was duly adopted.

WHEREAS, the Transportation Improvement Program (TIP) is a staged multiple year listing of all federally funded transportation projects scheduled for implementation within the Triangle West Metropolitan Planning Area which have been selected from a priority list of projects; and

WHEREAS, the document provides the mechanism for official endorsement of the program of projects by the TPO Board; and

WHEREAS, the inclusion of the TIP in the transportation planning process was first mandated by regulations issued jointly by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) and no project within the planning area will be approved for funding by these federal agencies unless it appears in the officially adopted TIP; and

WHEREAS, the procedures for developing the TIP have been modified in accordance with certain provisions of the MAP-21 Federal Transportation Act, the Infrastructure Investments and Jobs Act (IIJA), and guidance provided by the State; and

WHEREAS, projects listed in the TIP are also included in the State TIP (STIP) and balanced against anticipated revenues as identified in both the TIP and the STIP; and

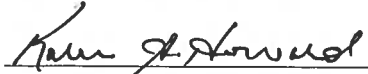
WHEREAS, the North Carolina Department of Transportation and the TPO Board have determined it to be in the best interest of the Urban Area to amend the FY 2024-2033 Transportation Improvement Program as described in the attached sheets; and

WHEREAS, the United States Environmental Protection Agency Designated the Triangle West TPO from nonattainment to attainment under the prior 1997 Ozone Standard on December 26, 2007; and

WHEREAS, the Triangle West TPO certifies that this TIP amendment is consistent with the intent of the Triangle West 2050 Metropolitan Transportation Plan (MTP); and

WHEREAS, in accordance with 23 CFR 450.326 (d), the TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets; and

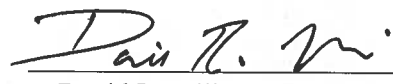
BE IT THEREFORE RESOLVED that the Triangle West Transportation Planning Organization Board hereby approves Amendment #8 to the FY 2024-2033 Transportation Improvement Program of the Triangle West Urban Area, as approved by the Board on June 17, 2025, and as described in the "FY 2024-2033 Transportation Improvement Program Amendment #8 Full Documentation" on this, the 19th day of June 2025.


Karen Howard, MPO Board Chair

Durham, North Carolina

I certify that Karen Howard personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: June 19, 2025


David R. Miller, Notary Public
My commission expires: February 13, 2027

