

FY 2020-2029 Transportation Improvement Program - Amendment #4

ID	Project	Description	As Currently Programmed													
			Phase	Source	Prior Years	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	Future Year	Total (100%)
Pending	GoTriangle Wake County Bus Plan Update	GoTriangle planning activities to update Wake County Bus Plan. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>														
Pending	CAMPO Bus Rapid Extension Study	Major investment study/alternatives analysis for Bus Rapid Transit Extension to Research Triangle Park and Clayton. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>														
Pending	Morrisville Node-Based Smart Shuttle	Operating assistance for Town of Morrisville Node-Based Smart Shuttle. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>														
TN-6116	Wake Coordinated Transit Services (Wake County) Operating Assistance	Wake Coordinated Transit Services (Wake County) Operating assistance. <b>Updated funding based on updated Wake Transit Work Plan.</b>	Operating	L		\$ 365,362	\$ 472,622	\$ 559,512	\$ 644,425	\$ 725,361	\$ 800,320	\$ 868,303	\$ 929,310	\$ 952,543	\$ 976,356	
TO-5128	GoRaleigh Operating Assistance	GoRaleigh Operating Assistance. <b>Update funding based on updated Wake Transit Work Plan and GoRaleigh request.</b>	Operating	L		\$ 15,408,550	\$ 17,729,979	\$ 18,171,180	\$ 21,620,508	\$28,586,738	\$33,478,745	\$40,632,903	\$50,538,716	\$51,802,184	\$ 53,097,238	
				FUZ		\$ 2,300,000										
				SMAP		\$ 300,000	\$ 300,000	\$ 300,000								
TO-5129	GoCary Operating Assistance	GoCary operating assistance. <b>Update funding based on updated Wake Transit Work Plan.</b>	Operating	L		\$ 2,101,722	\$ 2,501,343	\$ 2,562,628	\$ 2,625,444	\$ 3,860,859	\$ 3,956,130	\$ 4,053,783	\$ 6,158,875	\$ 6,311,597	\$ 6,468,137	
				FUZ		\$ 50,000	\$ 50,000									
				SMAP		\$ 210,000	\$ 220,000	\$ 220,000	\$ 230,000	\$ 230,000						
TO-5131	GoTriangle Operating Assistance	Operating assistance for GoTriangle. <b>Update funding based on updated Wake Transit Work Plan.</b>	Operating	L		\$ 2,724,674	\$ 4,808,159	\$ 6,272,839	\$ 6,429,940	\$ 6,590,887	\$ 8,864,881	\$ 9,918,283	\$10,156,240	\$10,420,396	\$ 10,680,906	
				SMAP		\$ 1,952,000	\$ 1,952,000	\$ 1,952,000	\$ 1,952,000							
TP-5160	GoRaleigh Bus Rapid Transit- New Bern Corridor	Construction of Bus Rapid Transit route along New Bern Avenue Corridor. <b>Add funding based on federal funding award and updated budget numbers.</b>	Proj Dvlmt/Final Design	L		\$ 631,455	\$ 1,953,000									
			Right of Way	L			\$ 44,000									
			Vehicles	L			\$ 4,024,000									
			Construction	L			\$ 25,460,000									
TA-5140	GoRaleigh Bus Replacements	GoRaleigh bus replacements. <b>Add funding at the request of GoRaleigh.</b>		FUZ		\$ 1,750,000										
			Capital	State		\$ 270,000										
				Local		\$ 270,000										
TA-5116	GoRaleigh Park and Ride	GoRaleigh construction of Park and Ride at Poole Road. <b>Update funding at the request of GoRaleigh.</b>	Capital	FUZ	\$ 455,000											
			Capital	State											\$ 1,750,000	
TD-5307	GoRaleigh East Raleigh Community Transit Center	Construction of GoRaleigh Community Transit Center in East Raleigh. <b>Update funding at the request of GoRaleigh.</b>		Other											\$ 1,750,000	
TD-5308	GoRaleigh Coordinated ADA Facility	Construct GoRaleigh Coordinated ADA Facility. <b>Update funding at the request of GoRaleigh.</b>	Planning	L			\$ 350,000									
			Right of Way	L			\$ 2,750,000									
			Design	L				\$ 3,000,000								
			Construction	L				\$ 14,800,000								
TD-5317	GoRaleigh Park & Ride	GoRaleigh construction of Park & Ride in Rolesville. <b>Update funding at the request of GoRaleigh.</b>	Construction	L		\$ 55,000										
TG-4792B	GoRaleigh ADA Paratransit Service	GoRaleigh ADA Paratransit Service. <b>Update funding at the request of GoRaleigh.</b>	Operating	FUZ		\$ 2,500,000										
				L		\$ 2,500,000										
TG-6791	GoRaleigh Capital Cost of Contracting	GoRaleigh Capital Cost of Contracting. <b>Updated funding at the request of GoRaleigh.</b>	Operating	FUZ		\$ 2,000,000										
				L		\$ 500,000										
TP-5100B	GoRaleigh Planning Assistance	GoRaleigh Planning Assistance. <b>Update funding at the request of GoRaleigh.</b>	Planning	FUZ		\$ 1,000,000										
				L		\$ 250,000										
TQ-6953	GoRaleigh 5310 Operating	GoRaleigh 5310 Operating. <b>Update funding at the request of GoRaleigh.</b>	Operating	FEPD		\$ 300,000										
				L		\$ 300,000										
TQ-9037	GoRaleigh 5310 Capital & Admin	GoRaleigh 5310 Capital & Administration. <b>Update funding at the request of GoRaleigh.</b>	Capital	FEPD		\$ 375,000										
				L		\$ 94,000										
TS-5104	GoRaleigh Safety & Security	GoRaleigh Safety & Security 1% minimum required set-aside. <b>Update</b>	Capital	FUZ		\$ 174,000										

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			Phase	Source	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	POST YR	Total (100%)
Pending	GoTriangle Wake County Bus Plan Update	GoTriangle planning activities to update Wake County Bus Plan. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>	Planning	Local		\$ 100,000	\$ 550,000									
Pending	CAMPO Bus Rapid Extension Study	Major investment study/alternatives analysis for Bus Rapid Transit Extension to Research Triangle Park and Clayton. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>	Planning	Local		\$ 150,000	\$ 280,000									
Pending	Morrisville Node-Based Smart Shuttle	Operating assistance for Town of Morrisville Node-Based Smart Shuttle. <b>Add project to TIP based on updated Wake Transit Work Plan.</b>	Operating	Local		\$ 66,000	\$ 677,600	\$ 694,540	\$ 711,904	\$ 729,701	\$ 747,944	\$ 766,642	\$ 785,808	\$ 805,453		
TN-6116	Wake Coordinated Transit Services (Wake County) Operating Assistance	Wake Coordinated Transit Services (Wake County) Operating assistance. <b>Updated funding based on updated Wake Transit Work Plan.</b>	Operating	Local		\$ 472,621	\$ 559,512	\$ 644,425	\$ 725,361	\$ 800,320	\$ 868,303	\$ 929,310	\$ 1,928,899			
TO-5128	GoRaleigh Operating Assistance	GoRaleigh Operating Assistance. <b>Update funding based on updated Wake Transit Work Plan and GoRaleigh request.</b>	Operating	Local		\$ 15,408,550	\$ 12,313,458	\$ 12,220,668	\$ 14,360,943	\$ 14,831,828	\$ 14,699,585	\$ 18,311,512	\$ 22,798,731	\$ 25,871,391	\$ 27,626,471	
				FUZ		\$ 2,300,000	\$ 8,500,000	\$ 50,000,000								
				SMAP		\$ 300,000	\$ 3,000,000	\$ 3,000,000								
TO-5129	GoCary Operating Assistance	GoCary operating assistance. <b>Update funding based on updated Wake Transit Work Plan.</b>	Operating	Local		\$ 2,101,722	\$ 2,023,091	\$ 2,200,974	\$ 3,924,402	\$ 4,021,262	\$ 4,120,544	\$ 4,222,307	\$ 4,326,615	\$ 4,433,531	\$ 4,543,119	
				FUZ		\$ 50,000	\$ 50,000									
				SMAP		\$ 210,000	\$ 220,000	\$ 220,000	\$ 230,000	\$ 230,000						
TO-5131	GoTriangle Operating Assistance	Operating assistance for GoTriangle. <b>Update funding based on updated Wake Transit Work Plan.</b>	Operating	Local		\$ 3,655,530	\$ 4,975,019	\$ 5,114,771	\$ 5,258,017	\$ 6,831,411	\$ 7,017,574	\$ 4,805,941	\$ 2,501,058	\$ 3,254,408		
				SMAP		\$ 1,952,000	\$ 1,952,000	\$ 1,952,000	\$ 1,952,000							
TP-5160	GoRaleigh Bus Rapid Transit- New Bern Corridor	Construction of Bus Rapid Transit route along New Bern Avenue Corridor. <b>Add funding based on federal funding award and updated budget numbers.</b>	Proj Dvlmt/Final Design	FNS			\$ 6,600,000									
			Right of Way	FNS		\$ 631,455	\$ 1,953,000	\$ 47,000								
			Vehicles	FNS			\$ 48,000	\$ 4,335,000								
			Construction	FNS			\$ 4,409,000	\$ 1,150,000	\$ 24,018,000							
				L			\$ 24,993,000									
TA-5140	GoRaleigh Bus Replacements	GoRaleigh bus replacements. <b>Add funding at the request of GoRaleigh.</b>	Capital	FUZ		\$ 1,750,000	\$ 1,750,000	\$ 1,750,000								
				State		\$ 250,000	\$ 250,000	\$ 250,000								
				Local		\$ 250,000	\$ 250,000	\$ 250,000								
TA-5116	GoRaleigh Park and Ride	GoRaleigh construction of Park and Ride at Poole Road. <b>Update funding at the request of GoRaleigh.</b>	Capital	FUZ			\$ 455,000									
			Planning	Local			\$ 850,000									
TD-5307	GoRaleigh East Raleigh Community Transit Center	Construction of GoRaleigh Community Transit Center in East Raleigh. <b>Update funding at the request of GoRaleigh.</b>	ROW	Local			\$ 1,500,000									
			Construction	State										\$ 875,000	\$ 875,000	
				L			\$ 3,157,530							\$ 875,000	\$ 875,000	
			Planning	L			\$ 350,000									
			Right of Way	L			\$ 2,750,000									
			Design	L				\$ 3,000,000								
TD-5308	GoRaleigh Coordinated ADA Facility	Construct GoRaleigh Coordinated ADA Facility. <b>Update funding at the request of GoRaleigh.</b>	Construction	L				\$ 14,800,000								
			Construction	L			\$ 55,000									
TD-5317	GoRaleigh Park & Ride	GoRaleigh construction of Park & Ride in Rolesville. <b>Update funding at the request of GoRaleigh.</b>	Operating	FUZ		\$ 2,500,000	\$ 2,500,000	\$ 2,500,000								
TG-4792B	GoRaleigh ADA Paratransit Service	GoRaleigh ADA Paratransit Service. <b>Update funding at the request of GoRaleigh.</b>		L		\$ 2,500,000	\$ 2,500,000	\$ 2,500,000								
			Operating	FUZ		\$ 2,000,000	\$ 2,000,000									
TG-6791	GoRaleigh Capital Cost of Contracting	GoRaleigh Capital Cost of Contracting. <b>Updated funding at the request of GoRaleigh.</b>		L		\$ 500,000	\$ 500,000									
TP-5100B	GoRaleigh Planning Assistance	GoRaleigh Planning Assistance. <b>Update funding at the request of GoRaleigh.</b>	Planning	FUZ		\$ 1,000,000	\$ 1,290,000	\$ 1,290,000								
				L		\$ 250,000	\$ 323,000	\$ 323,000								
TQ-6953	GoRaleigh 5310 Operating	GoRaleigh 5310 Operating. <b>Update funding at the request of GoRaleigh.</b>	Operating	FEPD		\$ 300,000	\$ 300,000	\$ 300,000								
				L		\$ 300,000	\$ 300,000	\$ 300,000								
TQ-9037	GoRaleigh 5310 Capital & Admin	GoRaleigh 5310 Capital & Administration. <b>Update funding at the request of GoRaleigh.</b>	Capital	FEPD		\$ 375,000	\$ 375,000	\$ 375,000								
				L		\$ 94,000	\$ 94,000	\$ 94,000								
TS-5104	GoRaleigh Safety & Security	GoRaleigh Safety & Security 1% minimum required set-aside. <b>Update</b>	Capital	FUZ		\$ 174,000	\$ 174,000	\$ 174,000								

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		<b>funding at the request of GoRaleigh.</b>		L		\$ 44,000											
TG-0013	GoRaleigh Fixed Route Preventative	GoRaleigh fixed route preventative maintenance. <b>Update funding at the request of GoRaleigh.</b>	Capital	FUZ		\$ 3,560,000											
				L		\$ 890,000											
TG-0015	GoRaleigh Capital Projects	GoRaleigh capital projects (i.e. passenger amenities, pedestrian connections, facility maintenance, upgrades and upkeeps, etc.) <b>Update funding at request of GoRaleigh.</b>	Capital	FUZ		\$ 2,560,000											
				L		\$ 640,000											
TO-0002	GoRaleigh Access ADA Paratransit Facility	GoRaleigh Access/ADA Paratransit facility. Update funding at request of <b>GoRaleigh.</b>	Capital	FUZ		\$ 547,000											
				L		\$ 137,000											
U-6252	Sunset Lake Road Widening	Widen Sunset Lake Road from US 401 to Products Rd in Fuquay-Varina. <b>Add FFY2022 LAPP Project.</b>															
U-6253	US 401/Mill Creek Road	Improve intersection at US 401 and Mill Creek Road in Fuquay-Varina. <b>Add FFY2022 LAPP Project.</b>															
U-6254	NC 55 Bypass	Widen the southbound lane of NC 55 bypass from Avent Ferry Road to Main Street. <b>Add FFY2022 LAPP Project.</b>															
U-6255	Holly Springs Road at Earp Street	Intersection improvements at Holly Springs Road and Earp Street. Add turn lanes and sidewalk on northbound main street in Holly Springs. <b>Add FFY2022 LAPP project.</b>															
U-6256	Smithfield Road at Poole Road Intersection Improvements	Upgrade intersection at Smithfield Road to Poole Road in Wake County. <b>Add FFY2022 LAPP Project.</b>															
U-6227	Carpenter Fire Station	Widen Carpenter Fire Station from NC 55 to Cameron Pond Road in Cary. <b>Add FFY2022 LAPP Funding.</b>	ROW	STBGDA		\$ 2,533,500											
			Construction	L	STBGDA		\$ 3,096,500										
U-6258	Lake Boone Trail Improvements	Lake Boone Trail complete streets improvements, including road diet from I-440 to Ridge Road. <b>Add FFY2022 LAPP Funding.</b>															
U-5521	West Street Extension	Extend West Street in Raleigh from entrance to Raleigh Union Station to West Cabarrus Street. <b>Add FFY2022 LAPP Funding.</b>															
U-6260	Airport Blvd Extension	Extend Airport Blvd in Morrisville from Garden Square Lane to Church Street. <b>Add FFY2022 LAPP Funding.</b>															
EB-6053	Downtown Varina Pedestrian Improvements	Pedestrian improvements in Downtown Fuquay-Varina to Fuquay-Varina High School. <b>Add FFY2022 LAPP funding.</b>															
EB-6054	Holly Ridge Schools Pedestrian Safety Improvements	Pedestrian safety improvements on Holly Springs Road from Flint Point Lane to Middlecrest Way. <b>Add FFY22 LAPP Funding.</b>															
EB-6055	NW Cary Parkway Sidewalk	Complete sidewalk extensions on NW Cary Parkway and improve safety pedestrian crossings over Black Creek. <b>Add FFY2022 LAPP Funding.</b>															
EB-6056	Ronald Drive/ Forest Ridge Sidewalks	Extend existing sidewalks on Ronald Drive and Forest Ridge Road in Raleigh. <b>Add FFY2022 LAPP Funding.</b>															

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			Phase	Source	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	POST YR	Total (100%)
		<b>fundings at the request of GoRaleigh.</b>		L	\$ 44,000	\$ 44,000	\$ 44,000									
TG-0013	GoRaleigh Fixed Route Preventative	GoRaleigh fixed route preventative maintenance. <b>Update funding at the request of GoRaleigh.</b>	Capital	FUZ	\$ 3,560,000	\$ 3,840,000	\$ 3,840,000									
				L	\$ 890,000	\$ 960,000	\$ 960,000									
TG-0015	GoRaleigh Capital Projects	GoRaleigh capital projects (i.e. passenger amenities, pedestrian connections, facility maintenance, upgrades and upkeeps, etc.) <b>Update funding at request of GoRaleigh.</b>	Capital	FUZ	\$ 2,560,000	\$ 4,401,384										
				L	\$ 640,000											
TO-0002	GoRaleigh Access ADA Paratransit Facility	GoRaleigh Access/ADA Paratransit facility. Update funding at request of <b>GoRaleigh.</b>	Capital	FUZ	\$ 547,000	\$ 547,000	\$ 547,000									
				L	\$ 137,000	\$ 137,000	\$ 137,000									
U-6252	Sunset Lake Road Widening	Widen Sunset Lake Road from US 401 to Products Rd in Fuquay-Varina. <b>Add FFY2022 LAPP Project.</b>	PE	STBGDA			\$ 49,569									
				L			\$ 12,392									
				ROW	STBGDA			\$ 800,000								
				L				\$ 200,000								
				Construction	STBGDA			\$ 462,578								
				L		\$ 115,720										
U-6253	US 401/Mill Creek Road	Improve intersection at US 401 and Mill Creek Road in Fuquay-Varina. <b>Add FFY2022 LAPP Project.</b>	PE	STBGDA			\$ 107,343									
				L			\$ 26,828									
				ROW	STBGDA			\$ 120,000								
				L				\$ 30,000								
				Construction	STBGDA			\$ 1,001,814								
				L		\$ 115,720										
U-6254	NC 55 Bypass	Widen the southbound lane of NC 55 bypass from Avent Ferry Road to Main Street. <b>Add FFY2022 LAPP Project.</b>	ROW	STBGDA			\$ 55,250									
				L			\$ 107,250									
				Construction	STBGDA			\$ 454,750								
				L		\$ 882,750										
U-6255	Holly Springs Road at Earp Street	Intersection improvements at Holly Springs Road and Earp Street. Add turn lanes and sidewalk on northbound main street in Holly Springs. <b>Add FFY2022 LAPP project.</b>	ROW	STBGDA			\$ 292,500									
				L			\$ 157,500									
				Construction	STBGDA			\$ 487,500								
				L		\$ 262,500										
U-6256	Smithfield Road at Poole Road Intersection Improvements	Upgrade intersection at Smithfield Road to Poole Road in Wake County. <b>Add FFY2022 LAPP Project.</b>	ROW	STBGDA			\$ 165,300									
				L			\$ 52,200									
				Construction	STBGDA			\$ 1,432,600								
				L		\$ 452,400										
U-6227	Carpenter Fire Station	Widen Carpenter Fire Station from NC 55 to Cameron Pond Road in Cary. <b>Add FFY2022 LAPP Funding.</b>	ROW	STBGDA		\$ 2,533,500										
				L			\$ 3,096,500									
				Construction	STBGDA			\$ 3,645,000								
				L		\$ 4,455,000										
U-6258	Lake Boone Trail Improvements	Lake Boone Trail complete streets improvements, including road diet from I-440 to Ridge Road. <b>Add FFY2022 LAPP Funding.</b>	ROW	STBGDA			\$ 1,017,600									
				L			\$ 254,400									
				Construction	STBGDA			\$ 1,017,600								
				L		\$ 254,400										
U-5521	West Street Extension	Extend West Street in Raleigh from entrance to Raleigh Union Station to West Cabarrus Street. <b>Add FFY2022 LAPP Funding.</b>	ROW	STBGDA			\$ 1,670,900									
				L		\$ 716,100										
U-6260	Airport Blvd Extension	Extend Airport Blvd in Morrisville from Garden Square Lane to Church Street. <b>Add FFY2022 LAPP Funding.</b>	ROW	STBGDA			\$ 360,000									
				L			\$ 240,000									
				Construction	STBGDA			\$ 3,884,615								
				L		\$ 2,589,743										
EB-6053	Downtown Varina Pedestrian Improvements	Pedestrian improvements in Downtown Fuquay-Varina to Fuquay-Varina High School. <b>Add FFY2022 LAPP funding.</b>	PE	TAP			\$ 69,733									
				L			\$ 17,433									
				ROW	TAP			\$ 120,000								
				L				\$ 30,000								
				Construction	TAP			\$ 976,259								
				L		\$ 244,065										
EB-6054	Holly Ridge Schools Pedestrian Safety Improvements	Pedestrian safety improvements on Holly Springs Road from Flint Point Lane to Middlecrest Way. <b>Add FFY22 LAPP Funding.</b>	Construction	STBGDA			\$ 557,500									
				L		\$ 557,500										
EB-6055	NW Cary Parkway Sidewalk	Complete sidewalk extensions on NW Cary Parkway and improve safety pedestrian crossings over Black Creek. <b>Add FFY2022 LAPP Funding.</b>	PE	L			\$ 960,000									
				ROW	STBGDA			\$ 24,300								
				L				\$ 29,700								
				Construction	STBGDA			\$ 2,209,950								
						L		\$ 2,701,050								
EB-6056	Ronald Drive/ Forest Ridge Sidewalks	Extend existing sidewalks on Ronald Drive and Forest Ridge Road in Raleigh. <b>Add FFY2022 LAPP Funding.</b>	PE				\$ 120,000									
								\$ 30,000								
				ROW				\$ 160,000								
								\$ 40,000								
				Construction				\$ 1,071,200								
						\$ 267,800										

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			Phase	Source	Prior Years	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	Future Year	Total (100%)
EB-6057	Louis Stephens Dr and O'Kelly Chapel Rd Connection	Construct greenway connection from Louis Stephens Dr to CSX Railroad. <b>Add FFY2022 LAPP Funding.</b>														
EB-6058	Crabtree Creek Greenway	Complete gap in Crabtree Creek Greenway from Lassiter Mill Road to Hertford Street in Raleigh. <b>Add FFY2022 LAPP Funding.</b>														
TL-0010	GoRaleigh Enhanced Transfer Points	Construct Enhanced Transfer Points. <b>Add FFY2022 LAPP Funding.</b>														
TL-0011	GoTriangle Downtown Apex Transfer Points	Construct Downtown Apex Transfer Points. <b>Add FFY2022 LAPP Funding.</b>														
TC-0016	GoTriangle Improvements at existing bus stops (amenities)	GoTriangle Improvements at existing bus stops (amenities). <b>Add FFY2022 LAPP Funding.</b>														
TC-0017	GoTriangle improvements at existing bus stops (accessibility)	GoTriangle Improvements at existing bus stops (accessibility). <b>Add FFY2022 LAPP Funding.</b>														
EB-5894	Black Creek Greenway	Construct phases 1, 2, and 5 of Black Creek Greenway from West Dynasty Drive to Old Reedy Creek Rd in Cary. <b>To allow additional time for planning and design, delay Construction to FY21.</b>	Construction	TAANY		\$ 4,000,000										
TA-4903	Bus and Bus Facilities	GoRaleigh Bus and Bus facilities. <b>Add funding to FY22 at request of GoRaleigh.</b>	Capital	FBUS			\$ 2,776,000									
P-2918	Piedmont Corridor Train	Train 74/75 operations between Charlotte and Raleigh, equipment and capital yard maintenance. <b>Add operations funding not previously</b>	Operating	CMAQ	\$186,000,000											
I-5111(Reg)	I-40 from Wake Co line to NC 42	Regional tier funding. Add two general purpose lanes in either direction. <b>Project to utilize GARVEE funds.</b>	Construction	NHP		\$ 23,795,000										
I-511(SW)	I-40 from I-440/US 64 to Johnston Co Line	Statewide tier funding. Add two general purpose lanes in either direction. <b>Project to utilize GARVEE funds.</b>	Construction	NHP		\$ 108,398,000										
I-4739	I-40 Access Improvements	Access improvements on I-40 near existing I-40/NC 42 interchange. <b>Project to Utilize GARVEE bonds.</b>	Construction	NHP		\$ 40,137,000										
HO-0001C	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program. NC State Campus in Raleigh. Before & after study, expansion & feasibility study. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>														
HO-0001	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>														
HO-0001A	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles infrastructure, traffic signal system improvements, safety application, transit signal priority application, data collection and management, eco driving application. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>														
HO-0001B	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program. NC State Campus in Raleigh. Grant Administration. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>														
I-5944	Pavement Rehabilitation I-87/US 64/US 264	Pavement rehabilitation on I-87/ US 64/ US 264 from I-440 in Raleigh to I-540 in Knightdale. <b>Update route designation and revise Eastern Terminus in coordination with I-6001 for consistency with pavement type.</b>	Construction	NHPM							\$ 8,145,000					
I-6001	Pavement Rehabilitation I-87/Future I-87/US 64/US 264	Pavement rehabilitation on Future I-87/US 64/US 264, from Rolesville Rd to Nash County Line. <b>Update route designation and revise with Western Terminus in coordination with I-5944 for consistency and pavement type.</b>	Construction	NHPM							\$ 7,000,000	\$ 7,000,000				

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EB-6057	Louis Stephens Dr and O'Kelly Chapel Rd Connection	Construct greenway connection from Louis Stephens Dr to CSX Railroad. <b>Add FFY2022 LAPP Funding.</b>	PE	STBGDA			\$ 153,510									
			L				\$ 65,790									
			Construction	STBGDA			\$ 744,110									
EB-6058	Crabtree Creek Greenway	Complete gap in Crabtree Creek Greenway from Lassiter Mill Road to Hertford Street in Raleigh. <b>Add FFY2022 LAPP Funding.</b>	L				\$ 318,904									
			Construction	STBGDA			\$ 1,182,300									
			L				\$ 506,700									
TL-0010	GoRaleigh Enhanced Transfer Points	Construct Enhanced Transfer Points. <b>Add FFY2022 LAPP Funding.</b>	Construction	STBGDA			\$ 787,200									
			L				\$ 196,800									
			PE	STBGDA			\$ 31,500									
TL-0011	GoTriangle Downtown Apex Transfer Points	Construct Downtown Apex Transfer Points. <b>Add FFY2022 LAPP Funding.</b>	L				\$ 31,500									
			ROW	STBGDA			\$ 9,000									
			Construction	STBGDA			\$ 126,000									
TC-0016	GoTriangle Improvements at existing bus stops (amenities)	GoTriangle Improvements at existing bus stops (amenities). <b>Add FFY2022 LAPP Funding.</b>	L				\$ 9,000									
			Construction	STBGDA			\$ 126,000									
			L				\$ 126,000									
TC-0017	GoTriangle improvements at existing bus stops (accessibility)	GoTriangle Improvements at existing bus stops (accessibility). <b>Add FFY2022 LAPP Funding.</b>	PE	STBGDA			\$ 55,000									
			L				\$ 55,000									
			ROW	STBGDA			\$ 5,500									
EB-5894	Black Creek Greenway	Construct phases 1, 2, and 5 of Black Creek Greenway from West Dynasty Drive to Old Reedy Creek Rd in Cary. <b>To allow additional time for planning and design, delay Construction to FY21.</b>	Construction	TAANY		\$ 4,000,000										
			L				\$ 985,000									
			Capital	5339		\$ 2,776,000	\$ 9,310,880									
TA-4903	Bus and Bus Facilities	GoRaleigh Bus and Bus facilities. <b>Add funding to FY22 at request of GoRaleigh.</b>	L			\$ 2,575,000	\$ 1,754,595									
			Operating	CMAQ		\$ 6,569,000										
			L			\$ 1,642,000										
I-5111(Reg)	1-40 from Wake Co line to NC 42	Regional tier funding. Add two general purpose lanes in either direction. <b>Project to utilize GARVEE funds.</b>	ROW(G)	NHP	\$ 463,320	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 231,660	\$ 1,158,300	
			Construction	NHP	\$ 23,795,000											
			ROW(G)	NHP	\$ 2,110,680	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 1,055,340	\$ 5,276,700
I-511(SW)	I-40 from I-440/US 64 to Johnston Co Line	Statewide tier funding. Add two general purpose lanes in either direction. <b>Project to utilize GARVEE funds.</b>	Construction	NHP	\$ 108,398,000											
			ROW(G)	NHP	\$ 2,574,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 1,287,000	\$ 6,435,000	
			Construction	NHP	\$ 40,137,000											
I-4739	I-40 Access Improvements	Access improvements on I-40 near existing I-40/NC 42 interchange. <b>Project to Utilize GARVEE bonds.</b>	Engineering	DP		\$ 30,000	\$ 13,000	\$ 87,000	\$ 25,000							
			L			\$ 30,000	\$ 12,000	\$ 88,000	\$ 25,000							
			Engineering	DP		\$ 64,000	\$ 45,000									
HO-0001C	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program. NC State Campus in Raleigh. Before & after study, expansion & feasibility study. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	S													
			Engineering	DP		\$ 201,000	\$ 45,000									
			Construction	S		\$ 46,000	\$ 87,000	\$ 94,000								
HO-0001A	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles infrastructure, traffic signal system improvements, safety application, transit signal priority application, data collection and management, eco driving application. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	Engineering	DP		\$ 85,000	\$ 70,000	\$ 37,000								
			S			\$ 84,000	\$ 70,000	\$ 37,000								
			Right of Way	DP		\$ 24,000										
HO-0001B	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program. NC State Campus in Raleigh. Grant Administration. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	S			\$ 804,000	\$ 431,000	\$ 282,000	\$ 71,000							
			Construction	DP		\$ 804,000	\$ 430,000	\$ 282,000	\$ 70,000							
			S			\$ 25,000	\$ 15,000	\$ 5,000	\$ 5,000							
I-5944	Pavement Rehabilitation I-87/US 64/US 264	Pavement rehabilitation on I-87/ US 64/ US 264 from I-440 in Raleigh to I-540 in Knightdale. <b>Update route designation and revise Eastern Terminus in coordination with I-6001 for consistency with pavement type.</b>	Construction	NHPM						\$ 8,145,000						
			L													
			Construction	NHPM							\$ 7,000,000	\$ 7,000,000				
I-6001	Pavement Rehabilitation I-87/Future I-87/US 64/US 264	Pavement rehabilitation on Future I-87/US 64/US 264, from Rolesville Rd to Nash County Line. <b>Update route designation and revise with Western Terminus in coordination with I-5944 for consistency and pavement type.</b>	L													
			Construction	NHPM												
			L													

FY 2020-2029 Transportation Improvement Program - Amendment #4

ID	Project	Description	As Currently Programmed													
			Phase	Source	Prior Years	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	Future Year	Total (100%)
U-6227	Rock Quarry Road Improvements	Widen Rock Quarry Road to 4-lane facility from Olde Birch Road to Sunnybrook Road in Raleigh. <b>To allow additional time to coordinate with project I-5111, delay Right of Way from FY20 to FY21.</b>	ROW	STBGDA		\$ 1,324,000										
			Construction	L		\$ 567,000										
				BGDA					\$ 7,743,000							
U-6225	White Oak/Hebron Church/ Ackerman Roundabout	Construct multilane roundabout and improve intersection at White Oak Rd, Hebron Church Rd, and Ackerman Rd in Garner. <b>To allow additional time for planning and design, delay right of way from FY20 to FY21.</b>	ROW	STBGDA		\$ 56,000										
			Construction	L		\$ 19,000										
				STBGDA				\$ 1,560,000								
EB-6048	Wendell Blvd Intersection Complete Streets and Intersection Improvements	Construct geometric intersection improvements, sidewalk extensions and pedestrian crossings on Wendell Blvd (US 64 Business) from north of Hanor Ln to east of Old Wilson Rd in Wendell. <b>To allow additional time for planning and design, delay right of way and construction from FY21 to FY22.</b>	ROW	STBGDA												
			Construction	L												
				STBGDA				\$ 319,000								
U-5751	US 401 intersection with NC 55/NC 42	Improve US 401 intersection with NC 55 and NC 42. Project will include improvements to NC 55 intersection with NC 42 and construction of connector from NC 55 to Judd Pkwy. <b>Cost increase exceeds \$2m and 25% threshold.</b>	ROW	T											\$ 34,696,000	
			Utilities	T												\$ 624,000
			Construction	T												\$ 18,500,000
U-5746	US 401 Widening	Widen US 401 from Wake Technical Community College (Allen St) to Ten-Ten Rd. <b>To allow additional time for ROW and utility relocation, delay construction from FY 21 to FY22.</b>	Construction	T				\$ 3,800,000								
U-6223	Ranch Road Extension	Extend Ranch Rd to US 70 Business/NC 42 on new location in Clayton. <b>Accelerate ROW from FY23 to FY21 and construction from FY24 to FY22 at the request of Division and Town.</b>	ROW	STBGDA					\$ 1,735,000							
			Construction	S					\$ 434,000							
				STBGDA						\$ 5,000,000						
AV-5819	Triangle North Executive Airport	Construct runway extension to include relocation of utilities, NAVAI, and roadways. <b>To assist in balancing funds, delay ROW from FY21 to FY27 and construction from FY22 to FY29.</b>	ROW	T			\$ 530,000									
			Construction	T					\$ 11,670,000							
P-5737	Rail Grade Separation on Millbrook Rd in Raleigh	Construct grade separation and close crossing 630605a along CSX S Line and Millbrook Rd. <b>Cost increase exceeding \$2m and 25% threshold. NOTE: "DP" represents Consolidated Rail Infrastructure and Safety Improvements (CRISI) Grant funding. "O" represents CSX Corporation match funding.</b>	ROW	T		\$ 3,700,000										
			Construction	DP				\$ 10,000,000								
				T				\$ 2,310,000	\$ 2,310,000							
R-5785	Division 5 Americans with Disabilities Act (ADA) upgrades.	Division 5 program to update intersections to comply with the Americans with Disabilities Act using Transportation Alternatives (TA) funds. <b>Add construction funds in FY21 and FY22 not previously programmed.</b>	Construction	TA		\$ 400,000										
				S		\$ 100,000										
U-5750	NC 54 Widening from NC 540 to Perimeter Park Dr in Morrisville	Widen NC 54 from NC 540 to Perimeter Park Dr in Morrisville. <b>To allow additional time for utility relocation, delay construction from FY22 to FY23.</b>	PE	T		\$ 270,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 675,000
			BUILD ROW	T		\$ 3,000										
			ROW	T			\$ 8,997,000									
			Utilities	T			\$ 236,000									
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000
U-6222	Improvements on NC 98 at Camp Kanata Rd in Wake Forest	Improve intersection at NC 98 and Camp Kanata Rd in Wake Forest including adding turn lanes on NC 98. <b>Delete right of way phase and redistribute funding to construction phase. No ROW required for project.</b>	PE	STBGDA		\$ 120,000										
			ROW	S		\$ 30,000										
			Construction	STBGDA		\$ 18,000										
				S		\$ 4,000										
				STBGDA					\$ 840,000							
U-5747A	McCrimmon Pkwy Widening	Widen McCrimmon Pkwy to 4-lane divided facility from Davis Dr to north of Church St in Morrisville. <b>To allow additional time for ROW acquisition and utility relocation, delay construction from FY22 to FY23. Cost increase exceeds \$2m and 25% thresholds.</b>	ROW	T		\$ 3,000,000										
			Utilities	T		\$ 500,000										
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 6,864,000
U-5747B	Grade Separation at NC 54 and McCrimmon Pkwy	Convert at-grade intersection to grade separation including grade separation of North Carolina Railroad at NC 54 and McCrimmon Pkwy in Morrisville. <b>To allow additional time for right of way and utilities relocation, delay construction from FY22 to FY23. Cost increase exceeds \$2m and 25% thresholds.</b>	Construction	T				\$ 2,650,000	\$ 2,650,000							
			BUILD ROW	T		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 27,000	
			ROW	T		\$ 6,230,000										
			Utilities	T		\$ 500,000										
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 6,864,000
B-5684	Replace Bridge 910146 over Crabtree Creek	Replace Bridge 910146 over Crabtree Creek in Raleigh. <b>To allow additional time for planning and design, delay right of way and utilities relocations from FY21 to FY22 and construction from FY22 to FY23.</b>	ROW	T			\$ 430,000									
			Utilities	T			\$ 330,000									
			Construction	T				\$ 8,607,000								
EB-5895	NC 55 (E Williams St) Sidewalk	Construct sidewalk on NC 55 (E Williams St) from Sunset Lake Rd to NC 55 in Holly Springs. <b>Delete right of way phase, no right of way necessary for projects.</b>	ROW	TAANY		\$ 80,000										
			Construction	L		\$ 20,000										
P-5719	Purchase and Refurbish Rail Cars for Piedmont Service Expansion	Purchase and refurbish rail cars for Piedmont Service Expansion. <b>To allow additional time for planning and design, delay construction from FY20 to FY21. Add federal-state partnership for SGR grant funding in FY21.</b>	Construction	O		\$ 156,880,000										
				T					\$ 27,820,000	\$27,820,000						

FY 2020-2029 Transportation Improvement Program - Amendment #4

ID	Project	Description	TIP Amendment #4														
			Phase	Source	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	POST YR	Total (100%)	
U-6227	Rock Quarry Road Improvements	Widen Rock Quarry Road to 4-lane facility from Olde Birch Road to Sunnybrook Road in Raleigh. <b>To allow additional time to coordinate with project I-5111, delay Right of Way from FY20 to FY21.</b>	ROW	STBGDA		\$ 1,324,000											
			Construction	BGDA		\$ 567,000		\$ 7,743,000									
				L				\$ 3,319,000									
U-6225	White Oak/Hebron Church/ Ackerman Roundabout	Construct multilane roundabout and improve intersection at White Oak Rd, Hebron Church Rd, and Ackerman Rd in Garner. <b>To allow additional time for planning and design, delay right of way from FY20 to FY21.</b>	ROW	STBGDA		\$ 56,000											
			Construction	STBGDA		\$ 19,000		\$ 1,560,000									
				L		\$ 520,000											
EB-6048	Wendell Blvd Intersection Complete Streets and Intersection Improvements	Construct geometric intersection improvements, sidewalk extensions and pedestrian crossings on Wendell Blvd (US 64 Business) from north of Hanor Ln to east of Old Wilson Rd in Wendell. <b>To allow additional time for planning and design, delay right of way and construction from FY21 to FY22.</b>	ROW	STBGDA				\$ 319,000									
			Construction	STBGDA				\$ 80,000									
				L				\$ 307,000									
				L				\$ 77,000									
U-5751	US 401 intersection with NC 55/NC 42	Improve US 401 intersection with NC 55 and NC 42. Project will include improvements to NC 55 intersection with NC 42 and construction of connector from NC 55 to Judd Pkwy. <b>Cost increase exceeds \$2m and 25% threshold.</b>	ROW	T										\$ 8,674,000	\$ 25,022,000		
			Utilities	T										\$ 624,000			
			Construction	T											\$ 18,500,000		
U-5746	US 401 Widening	Widen US 401 from Wake Technical Community College (Allen St) to Ten-Ten Rd. <b>To allow additional time for ROW and utility relocation, delay construction from FY 21 to FY22.</b>	Construction	T				\$ 3,800,000									
U-6223	Ranch Road Extension	Extend Ranch Rd to US 70 Business/NC 42 on new location in Clayton. <b>Accelerate ROW from FY23 to FY21 and construction from FY24 to FY22 at the request of Division and Town.</b>	ROW	STBGDA		\$ 1,735,000											
				S		\$ 434,000											
			Construction	STBGDA				\$ 5,000,000									
				S				\$ 1,250,000									
AV-5819	Triangle North Executive Airport	Construct runway extension to include relocation of utilities, NAVAID, and roadways. <b>To assist in balancing funds, delay ROW from FY21 to FY27 and construction from FY22 to FY29.</b>	ROW	T								\$ 530,000					
			Construction	T										\$ 11,670,000			
P-5737	Rail Grade Separation on Millbrook Rd in Raleigh	Construct grade separation and close crossing 630605a along CSX S Line and Millbrook Rd. <b>Cost increase exceeding \$2m and 25% threshold. NOTE: "DP" represents Consolidated Rail Infrastructure and Safety Improvements (CRISI) Grant funding. "O" represents CSX Corporation match funding.</b>	ROW	T		\$ 3,700,000											
			Construction	DP		\$ 10,000,000											
				T		\$ 3,620,000											
				O		\$ 510,000											
R-5785	Division 5 Americans with Disabilities Act (ADA) upgrades.	Division 5 program to update intersections to comply with the Americans with Disabilities Act using Transportation Alternatives (TA) funds. <b>Add construction funds in FY21 and FY22 not previously programmed.</b>	Construction	TA	\$ 400,000	\$ 800,000	\$ 800,000										
				S	\$ 100,000	\$ 200,000	\$ 200,000										
U-5750	NC 54 Widening from NC 540 to Perimeter Park Dr in Morrisville	Widen NC 54 from NC 540 to Perimeter Park Dr in Morrisville. <b>To allow additional time for utility relocation, delay construction from FY22 to FY23.</b>	PE	T	\$ 270,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 540,000		
			BUILD ROW	T	\$ 2,000		\$ 1,000							\$ 1,156	\$ 4,636		
			ROW	T		\$ 8,997,000											
			Utilities	T		\$ 236,000											
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 6,864,000		
			Construction	T				\$ 5,300,000									
U-6222	Improvements on NC 98 at Camp Kanata Rd in Wake Forest	Improve intersection at NC 98 and Camp Kanata Rd in Wake Forest including adding turn lanes on NC 98. <b>Delete right of way phase and redistribute funding to construction phase. No ROW required for project.</b>	PE	STBGDA	\$ 120,000												
				S	\$ 30,000												
			Construction	STBGDA				\$ 840,000									
				S				\$ 210,000									
U-5747A	McCrimmon Pkwy Widening	Widen McCrimmon Pkwy to 4-lane divided facility from Davis Dr to north of Church St in Morrisville. <b>To allow additional time for ROW acquisition and utility relocation, delay construction from FY22 to FY23. Cost increase exceeds \$2m and 25% thresholds.</b>	ROW	T		\$ 6,256,000											
			Utilities	T		\$ 500,000											
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 4,290,000		
			Construction	T				\$ 2,650,000	\$ 2,650,000								
U-5747B	Grade Separation at NC 54 and McCrimmon Pkwy	Convert at-grade intersection to grade separation including grade separation of North Carolina Railroad at NC 54 and McCrimmon Pkwy in Morrisville. <b>To allow additional time for right of way and utilities relocation, delay construction from FY22 to FY23. Cost increase exceeds \$2m and 25% thresholds.</b>	BUILD ROW	T	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 27,000			
			ROW	T	\$ 10,010,000												
			Utilities	T	\$ 500,000												
			BUILD CON	T				\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 858,000	\$ 6,846,000		
			Construction	T				\$ 3,750,000	\$ 3,750,000								
B-5684	Replace Bridge 910146 over Crabtree Creek	Replace Bridge 910146 over Crabtree Creek in Raleigh. <b>To allow additional time for planning and design, delay right of way and utilities relocations from FY21 to FY22 and construction from FY22 to FY23.</b>	ROW	T				\$ 430,000									
			Utilities	T				\$ 330,000									
			Construction	T				\$ 8,607,000									
EB-5895	NC 55 (E Williams St) Sidewalk	Construct sidewalk on NC 55 (E Williams St) from Sunset Lake Rd to NC 55 in Holly Springs. <b>Delete right of way phase, no right of way necessary for projects.</b>	Construction	TAANY		\$ 400,000											
				L		\$ 100,000											
P-5719	Purchase and Refurbish Rail Cars for Piedmont Service Expansion	Purchase and refurbish rail cars for Piedmont Service Expansion. <b>To allow additional time for planning and design, delay construction from FY20 to FY21. Add federal-state partnership for SGR grant funding in FY21.</b>	Construction	O		\$ 156,880,000											
				T				\$ 27,820,000	\$ 27,820,000								



FY 2020-2029 Transportation Improvement Program - Amendment #4

ID	Project	Description	As Currently Programmed																
			Phase	Source	Prior Years	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	Future Year	Total (100%)			
HL-0006	Hilltop Road Realignment US 401 Superstreet	Realign Hilltop Road to Lake Wheeler Road on new location, convert US 401 to superstreet from Lake Wheeler Road to Hilltop Needmore Rd. Cost Increase exceeding \$2m and 25% thresholds.	ROW	BGBA					\$ 3,000,000										
			Construction	BGBA					\$ 12,000,000										
HO-0001AA	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles infrastructure, traffic signal system improvements, safety application, and system engineering. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>																	
HO-0001AB	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles transit signal priority application and data management. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>																	
HO-0001AC	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Eco Driving Application. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>																	
C-5604	CAMPO CMAQ Projects	Various projects in CAMPO region to improve congestion and air quality in the Capital Area MPO. <b>Add engineering, row, construction, implementation, and operations in FY21 and FY22 not previously programmed to allow for potential future authorizations.</b>	PE	CMAQ		\$ 317,000													
				L		\$ 79,000													
			ROW	CMAQ		\$ 317,000													
				L		\$ 79,000													
			Construction	CMAQ		\$ 6,299,000													
				L		\$ 1,575,000													
			Implementation	CMAQ		\$ 317,000													
				L		\$ 79,000													
Operating	CMAQ		\$ 317,000																
	L		\$ 79,000																

FY 2020-2029 Transportation Improvement Program - Amendment #4

ID	Project	Description	TIP Amendment #4															
			Phase	Source	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	POST YR	Total (100%)		
HL-0006	Hilltop Road Realignment US 401 Superstreet	Realign Hilltop Road to Lake Wheeler Road on new location, convert US 401 to superstreet from Lake Wheeler Road to Hilltop Needmore Rd. Cost Increase exceeding \$2m and 25% thresholds.	ROW	NHPBA					\$ 7,500,000									
			Utilities	NHPBA					\$ 400,000									
			Construction	NHPBA							\$ 13,400,000							
HO-0001AA	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles infrastructure, traffic signal system improvements, safety application, and system engineering. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	Engineering	DP		\$ 85,000												
				S		\$ 84,000												
			Construction	DP		\$ 804,000												
HO-0001AB	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Connected Vehicles transit signal priority application and data management. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	Engineering	DP			\$ 70,000											
				S			\$ 70,000											
			ROW	DP			\$ 24,000											
				S			\$ 24,000											
			Construction	DP			\$ 430,000											
HO-0001AC	Connected Vehicles Pilot	NCDOT Multimodal Connected Vehicles pilot program- NC State Campus in Raleigh. Eco Driving Application. <b>Project added at request of NCDOT Transportation Safety &amp; Mobility Division to utilize Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program funds.</b>	Engineering	DP				\$ 37,000										
				S				\$ 37,000										
			Construction	DP				\$ 282,000	\$ 70,000									
C-5604	CAMPO CMAQ Projects	Various projects in CAMPO region to improve congestion and air quality in the Capital Area MPO. <b>Add engineering, row, construction, implementation, and operations in FY21 and FY22 not previously programmed to allow for potential future authorizations.</b>	PE	CMAQ	\$ 317,000	\$ 317,000	\$ 317,000											
				L	\$ 79,000	\$ 79,000	\$ 79,000											
			ROW	CMAQ	\$ 317,000	\$ 317,000	\$ 317,000											
				L	\$ 79,000	\$ 79,000	\$ 79,000											
			Construction	CMAQ	\$ 6,299,000	\$ 6,299,000	\$ 6,299,000											
				L	\$ 1,575,000	\$ 1,575,000	\$ 1,575,000											
			Implementation	CMAQ	\$ 317,000	\$ 317,000	\$ 317,000											
				L	\$ 79,000	\$ 79,000	\$ 79,000											
			Operating	CMAQ	\$ 317,000	\$ 317,000	\$ 317,000											
				L	\$ 79,000	\$ 79,000	\$ 79,000											