

TTP Project Funding by Funding Source

VTrans2040 Corridor/Segment	Route	District*	Segment End Points	Selected Strategy	Selected Project	Project Description	Estimated Project Budget	Final Score	Funding Source **	FUNDING ADJUSTMENTS (March 16)	Justification
Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Multimodal	I-95/I-395 Integrated Corridor Management (ICM) Program: Multimodal Traveler Information	Electronic signage displaying roadway, transit and parking information to allow travelers to more easily change mode and route of travel	\$ 5,700,000	10	ITTF	\$ -	
East-West Segment 5	I-64	HR	York / James City CL to I-264	Commercial Vehicle Operations	I-64 Integrated Overheight Detection Systems	Deployment of technology to detect and divert overheight vehicles in advance of Hampton Roads Bridge Tunnel (HRBT)	\$ 900,000	10	ITTF	\$ -	
East-West Segment 5	I-64	HR	York / James City CL to I-264	Arterial Operations	US60/US17/Rt. 143/199 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,560,000	10	ITTF	\$ -	
Washington to NC Segment 3	I-95	FR	north of Exit 133 to south of Exit 140	Operations Traffic Management	I-95 Hard/Dynamic Shoulder Running	Install lane control signs and full-depth shoulder for use during peak traffic periods	\$ 20,000,000	10	ITTF	\$ 11,768,750	Reduce fastest growing congestion hot spot in VA.
Washington to NC Segment 3	I-95	FR	north of Exit 133 to south of Exit 140	Operations Traffic Management	I-95 Hard/Dynamic Shoulder Running	Install lane control signs and full-depth shoulder for use during peak traffic periods	\$ 20,000,000	10	SRT	\$ 8,231,250	Reduce fastest growing congestion hot spot in VA.
East-West Segment 5	I-64	HR	York / James City CL to I-264	Operations Traffic Management	HRBT Tunnel Traffic & Safety Improvements	Upgrade of existing lane control and tunnel traffic safety systems	\$ 5,445,371	9	SRT	\$ -	
East-West Segment 5	I-64	HR	York / James City CL to I-264	Operations Traffic Management	I-64 Hampton Roads Active Traffic Management System: Phase 1 Westbound	Deployment of camera, sensor, lane control and variable speed limit technologies to actively manage westbound traffic approaching HRBT	\$ 14,500,000	9	ITTF	\$ -	
Northern Virginia Segment 2	I-66	NOVA	Prince William / Fauquier CL to District of Columbia	Operations Traffic Management	Rosslyn Tunnel Traffic & Safety Improvements	Upgrade of existing lane control and tunnel traffic safety systems	\$ 3,500,000	9	SRT	\$ -	
East-West Segment 5	I-64	HR	York / James City CL to I-264	Operations Traffic Management	MMMBT Tunnel Traffic & Safety Improvements	Upgrade of existing lane control and tunnel traffic safety systems	\$ 7,000,000	9	ITTF	\$ -	
Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Operations Traffic Management	I-95/I-395 ICM Program: Dynamic Ramp Metering	Upgrade of existing ramp metering system	\$ 3,500,000	8	SRT	\$ -	

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Washington to NC Segment 2	I-95	RIC/FR	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Commercial Vehicle Operations	I-95 Integrated Overheight Detection Systems	Deployment of over-height vehicle detection technology to catch and divert overheight vehicles in advance of I-95 overpasses	\$ 900,000	8	ITTF	\$ (900,000)	Candidate HB 2 Project
Washington to NC Segment 2	I-95	RIC/FR	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Operations Traffic Management	I-95 Richmond Active Traffic Management System	Deployment of dynamic lane control and ramp metering technologies	\$ 6,035,000	8	ITTF		
Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Arterial Operations	I-95/I-395 ICM Program: Parallel Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies to improve travel on parallel routes in the I-95 corridor	\$ 2,670,573	8	SRT		
Washington to NC Segment 2	I-95	RIC/FR	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Arterial Operations	US1/US17 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 4,340,000	8	SRT	\$ (4,340,000)	Needed funds from SRT due to lack of available funding from ITTF to accelerate project.
Washington to NC Segment 2	I-95	RIC/FR	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Arterial Operations	US1 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 3,891,250	8	SRT	\$ (3,891,250)	Needed funds from SRT due to lack of available funding from ITTF to accelerate project.
Northern Virginia Segment 2	I-66	NOVA	Prince William / Fauquier CL to District of Columbia	Arterial Operations	I-66 ICM Program: Parallel Arterial Operations Improvements	Deployment of signal communication, monitoring and control technology to improve travel on parallel routes in the I-66 corridor	\$ 2,584,020	8	SRT		
Seminole Segment 4	US29	NOVA	Prince William / Fauquier CL to District of Columbia	Arterial Operations	US29 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 471,666	8	ITTF	\$ (471,666)	Funding needed for other higher ranking projects.
Crescent Segment 4	I-81	STA	I-64W to I-64E	Arterial Operations	US11 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 590,000	8	ITTF	\$ (590,000)	Funding needed for other higher ranking projects.
Crescent Segment 5	I-81	STA	I-64E to WV Border	Arterial Operations	US11 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 2,267,000	8	ITTF	\$ (2,267,000)	Funding needed for other higher ranking projects.
East-West Segment 4	I-64	RIC	Goochland / Louisa CL to New Kent /James City CL	Operations Traffic Management	I-64 Richmond Active Traffic Management System	Deployment of dynamic lane control and ramp metering technologies	\$ 3,240,000	7	ITTF	\$ (3,240,000)	Need to fund Richmond TOC before any new Richmond projects.
Washington to NC Segment 2	I-95	RIC/FR	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Operations Traffic Management	Richmond TOC Upgrade	Upgrade of Richmond TOC and colocation with Virginia State Police	\$ 10,000,000	7	ITTF	\$ -	All future Richmond District projects contingent on new Richmond TOC.

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Northern Virginia Segment 2	I-66	NOVA	Prince William / Fauquier CL to District of Columbia	Multimodal	Real-Time Parking Information at WMATA Rail Stations	Deployment of real-time, electronic parking space availability signage at select WMATA rail stations in Northern Virginia	\$ 1,000,000	7	ITTF	\$ (1,000,000)	Low ranking project
North-South Segment 1	VA234	NOVA	I-95 to I-66	Arterial Operations	VA234 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,360,000	7	ITTF	\$ (1,360,000)	Low ranking project
Southside Segment 3	US58	HR	Suffolk to Virginia Beach	Arterial Operations	US58 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,200,000	7	UNF		
East-West Segment 3	I-64	STA/CUL/RIC	I-81 to Goochland CL	Arterial Operations	US250 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,789,000	7	UNF		
East-West Segment 4	I-64	RIC	Goochland / Louisa CL to New Kent /James City CL	Arterial Operations	US250 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 4,735,000	7	UNF		
East-West Segment 4	I-64	RIC	Goochland / Louisa CL to New Kent /James City CL	Arterial Operations	US60 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,014,000	7	ITTF	\$ (1,014,000)	Low ranking project
Heartland Segment 2	US460	SAL	West Virginia / Giles CL to Bedford / Campbell CL	Arterial Operations	US460 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 569,000	7	UNF		
Heartland Segment 3	US460	LYN/RIC	Bedford / Campbell CL to Nottoway / Dinwiddie CL	Arterial Operations	US460 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 340,000	7	UNF		
Seminole Segment 2	US29	CUL / LYN	Nelson / Amherst CL to Albemarle / Greene CL	Arterial Operations	US29 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 471,666	7	ITTF	\$ (471,666)	Low ranking project
Crescent Segment 1	I-81	BRI	TN Border to Wythe / Pulaski CL	Arterial Operations	US11 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 686,000	7	ITTF	\$ (686,000)	Low ranking project
Crescent Segment 2	I-81	SAL	Pulaski / Wythe CL to Botetourt County (mm 150)	Arterial Operations	US11 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 686,000	7	ITTF	\$ (686,000)	Low ranking project
Crescent Segment 3	I-81	SAL/STA	Botetourt County (mm 150) to I-64 W	Arterial Operations	US11 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 590,000	7	ITTF	\$ (590,000)	Low ranking project
Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Multimodal	I-95/I-395 ICM Program: Parking Management	Deployment of real-time, electronic signage at additional Park & Ride lots to better inform travelers about parking availability	\$ 2,600,000	6	UNF		

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Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Multimodal	I-95/I-395 ICM Program: Decision Support System	Software system to support corridor management activities across multiple facilities and modes	\$ 800,000	6	UNF		
Coastal Segment 1	US 17	HR/FR	NC Border to Gloucester / Middlesex CL	Arterial Operations	US17 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,055,000	6	UNF		
Coastal Segment 2	US17	FR	Middlesex / Gloucester CL to I-95	Arterial Operations	US17 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 1,055,000	6	UNF		
Coastal Segment 3	US17	FR/CUL/STA	I-95 to Winchester	Arterial Operations	US17 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 2,110,000	6	UNF		
Eastern Shore Segment 1	US13	HR	NC Border to Northampton CL / Virginia Beach	Arterial Operations	US13 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 570,000	6	UNF		
Heartland Segment 1	US460	BRI	KY Border to WV Border	Arterial Operations	US460 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 380,000	6	UNF		
Heartland Segment 5	US460	HR	Isle of Wight / Southampton CL to Norfolk	Arterial Operations	US460/US13 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 570,000	6	UNF		
NC to WV Segment 1	US220	SAL	NC Border to Roanoke	Arterial Operations	US220 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 460,000	6	UNF		
NC to WV Segment 2	US220	SAL/STA	Roanoke to I-64W	Arterial Operations	US220 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 240,000	6	UNF		
NC to WV Segment 3	US220	STA	I-64W to WV Border	Arterial Operations	US220 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 100,000	6	UNF		
Seminole Segment 3	US29	CUL	Albemarle / Greene CL to Fauquire / Prince William CL	Arterial Operations	US29 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 471,666	6	UNF		
Southside Segment 1	US58	BRI/SAL	KY Border to Henry / Pittsylvania CL	Arterial Operations	US58 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 610,000	6	UNF		
Southside Segment 2	US58	LYN/RIC/HR	Henry / Pittsylvania CL to Southampton / Suffolk CL	Arterial Operations	US58 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 280,000	6	UNF		
Heartland Segment 4	US460	RIC/HR	Dinwiddie / Nottaway CL to Southampton /Isle of Wight CL	Arterial Operations	US460 Arterial Operations Improvements	Deployment of signal communication, monitoring and control technologies	\$ 220,000	6	UNF		

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Crescent Segment 1	I-81	BRI	TN Border to Wythe / Pulaski CL	Operations Traffic Management	I-81 Operational Improvements	Deployment of traffic monitoring and incident detection technologies	\$ 1,000,000	5	UNF		
Crescent Segment 2	I-81	SAL	Pulaski / Wythe CL to Botetourt County (mm 150)	Operations Traffic Management	I-81 Operational Improvements	Deployment of traffic monitoring and incident detection technologies	\$ 1,000,000	5	UNF		
Crescent Segment 3	I-81	SAL/STA	Botetourt County (mm 150) to I-64 W	Operations Traffic Management	I-81 Operational Improvements	Deployment of traffic monitoring and incident detection technologies	\$ 1,000,000	5	UNF		
Crescent Segment 4	I-81	STA	I-64W to I-64E	Operations Traffic Management	I-81 Operational Improvements	Deployment of traffic monitoring and incident detection technologies	\$ 1,000,000	5	UNF		
Crescent Segment 5	I-81	STA	I-64E to WV Border	Operations Traffic Management	I-81 Operational Improvements	Deployment of traffic monitoring and incident detection technologies	\$ 1,000,000	5	UNF		
Northern Virginia Segment 2	I-66	NOVA	Prince William / Fauquier CL to District of Columbia	Enabling Technology	Connected Vehicle / Traffic Signal Integration Pilot	Traffic signal software integration to support connected and automated vehicle applications	\$ 450,000	3	UNF		
Washington to NC Segment 2	I-95	RIC	Prince George /Chesterfield CL to Caroline / Spotsylvania CL	Enabling Technology	Operations Support Center Fiber Optic Integration	Fiber optic link between Central Office Operations Support Center and VDOT's statewide network	\$ 250,000	2	UNF		
Crescent Segment 3	I-81	STA	Botetourt County (mm 150) to I-64 W	Enabling Technology	NW Region Fiber Optic Integration	Fiber optic link from Staunton TOC to VDOT's statewide network to facilitate electronic information exchange and fail-over capabilities	\$ 2,873,000	2	UNF		
Crescent Segment 3	I-81	STA	Botetourt County (mm 150) to I-64 W	Commercial Vehicle Operations	Real-Time Truck Parking Information at VDOT Rest Areas	Deployment of real-time, electronic parking space availability signage at select VDOT rest area locations	\$ 3,000,000	1	UNF		
Statewide Program	n/a	n/a	n/a	Enabling Technology	Statewide ATMS Software	Development of single, statewide interoperable traffic management software platform at all five traffic operations centers	\$ 1,301,000	n/a	UNF		
Statewide Program	n/a	n/a	n/a	Incident Management	Emergency/Incident Response Technologies	Deployment of technologies to improve incident identification, emergency response and clearance times	\$ 2,500,000	n/a	UNF		

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Statewide Program	n/a	n/a	n/a	Incident Management	Advanced Towing and Recovery Program	Implementation of pilot program to partner with towing and recovery contractors to stage and deploy assets quicker during peak period travel times	\$ 4,000,000	n/a	ITTF		
Statewide Program	n/a	n/a	n/a	Multimodal	Bicycle/Pedestrian Safety Technologies	Deployment of safety-enhancing technologies to improve the viability and safety of bike/ped travel in congested areas	\$ 1,000,000	n/a	ITTF	\$ (1,000,000)	Low impact to reducing person hours of delay.
Statewide Program	n/a	n/a	n/a	Multimodal	Transit Efficiency Enabling Technologies	Deployment of technologies, including transit signal preemption, to support transit system reliability and improve travel times	\$ 2,500,000	n/a	ITTF		
Statewide Program	n/a	n/a	n/a	Arterial Operations	Advanced Traffic Signal Controllers	Deployment of new signal controller technology to improve arterial operations and prepare for connected and autonomous vehicle needs	\$ 3,000,000	n/a	ITTF		
Statewide Program	n/a	n/a	n/a	Arterial Operations	Community-wide Adaptive Signal System	Deployment of adaptive signal and centralized signal control technologies on key arterial corridors	\$ 3,000,000	n/a	ITTF	\$ -	
Statewide Program	n/a	n/a	n/a	Incident Management	Integration of Localities/PSAPs into VDOT Network	Deployment of technology to integrate VDOT data and video imagery with key locality operations centers	\$ 2,500,000	n/a	UNF		
Statewide Program	n/a	n/a	n/a	Multimodal	TSDAC Electronic Fare Payment Systems	Deployment of technologies to transit service providers to enable on-board systems to improve travel data collection, system performance and traveler information	\$ 5,000,000	n/a	UNF		
Statewide Program	n/a	n/a	n/a	Traveler Information	VDOT 511 System Enhancements	Development of new features to enhance the 511 mobile app and phone/web systems	\$ 2,300,000	n/a	ITTF	\$ -	
Statewide Program	n/a	n/a	n/a	Research and Development	Implement emerging technology research	Implement emerging technology research	\$ 2,507,582		ITTF	\$ 2,507,582	Establish program to implement emerging technology research.

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Statewide Program	n/a	n/a	n/a	Traveler Information	Travel Time Signage Program Expansion	Deployment of electronic signage to provide destination travel time information to motorists	\$ 4,400,000	n/a	UNF		

* District Codes
BRI=Bristol
CUL=Culpeper
FR=Fredericksburg
HR=Hampton Roads
LYN=Lynchburg
NOVA=Northern VA
RIC=Richmond
SAL=Salem
STA=Staunton

** Funding Codes
ITTF=Innovation and Technology Transportation Fund
SRT=Smart Road Technology Fund
UNF=Unfunded

ITTF Funded:	\$ 74,771,332	\$	-	\$ -
SRT Funded:	\$ 25,931,214	\$	-	
Unfunded:	\$ 47,428,666			
Total Cost:	\$ 148,131,212	\$	-	

 = NEW PROJECT
 = ADJUSTED PROJECT