

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 **
Washington to NC Segment 3	I-95	NOVA/FR	Caroline / Spotsylvania CL Maryland Border	Multimodal	I-95/I-395 ICM Program: Multimodal Traveler Information	Integration of roadway, transit and parking information to allow travelers to more easily change mode and time 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 over-height vehicle detection technology to catch overheight vehicles in advance of HRBT tunnel; reducing the number of vehicles needing to turnaround and improving facility reliability and throughput	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-64 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 1,560,000	10	ITTF
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 to improve throughput and reduce bottlenecks at this critical bridge & tunnel facility	\$ 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 the congested HRBT facility	\$ 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 to improve throughput and reduce bottlenecks at this critical tunnel facility	\$ 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 to improve throughput and reduce bottlenecks at this critical bridge & tunnel facility	\$ 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 to improve safety and traffic flow	\$ 3,500,000	8	SRT
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 technology to catch overheight vehicles in advance of I-95 overpasses; reducing the number of vehicles needing to turnaround and improving facility reliability and throughput	\$ 900,000	8	ITTF
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 dynamic ramp metering technologies to improve safety and throughput on the I-95 corridor in Richmond	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 4,340,000	8	SRT
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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 3,891,250	8	SRT
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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US29; improves throughput and reliability of this facility during normal and emergency conditions	\$ 471,666	8	ITTF
Crescent Segment 4	I-81	STA	I-64W to I-64E	Arterial Operations	US11 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-81 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 590,000	8	ITTF

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Crescent Segment 5	I-81	STA	I-64E to WV Border	Arterial Operations	US11 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-81 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 2,267,000	8	ITTF
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 dynamic ramp metering technologies to improve safety and throughput on the I-64 corridor in Richmond	\$ 3,240,000	7	ITTF
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
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 signage to better inform travelers about parking availability and enable non-SOV travel options	\$ 1,000,000	7	ITTF
North-South Segment 1	VA234	NOVA	I-95 to I-66	Arterial Operations	VA234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA234; improves throughput and reliability of this facility during normal and emergency conditions	\$ 1,360,000	7	ITTF
Southside Segment 3	US58	HR	Suffolk to Virginia Beach	Arterial Operations	US58 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US58; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-64 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-64 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-64 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 1,014,000	7	ITTF
Heartland Segment 2	US460	SAL	West Virginia / Giles CL to Bedford / Campbell CL	Arterial Operations	US460 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US460; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US460; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US29; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 471,666	7	ITTF
Crescent Segment 1	I-81	BRI	TN Border to Wythe / Pulaski CL	Arterial Operations	US11 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-81 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 686,000	7	ITTF
Crescent Segment 2	I-81	SAL	Pulaski / Wythe CL to Botetourt County (mm 150)	Arterial Operations	US11 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-81 corridor; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 686,000	7	ITTF
Crescent Segment 3	I-81	SAL/STA	Botetourt County (mm 150) to I-64 W	Arterial Operations	US11 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-81 corridor; improves throughput and reliability of this parallel facility during normal and emergency conditions	\$ 590,000	7	ITTF

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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: Parking Management	Expansion of pilot program to additional Park & Ride lots to better inform travelers about parking availability and enable non-SOV travel options	\$ 2,600,000	6	UNF
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 intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of this facility during normal and emergency conditions	\$ 1,055,000	6	UNF
Coastal Segment 2	US17	FR	Middlesex / Gloucester CL to I-95	Arterial Operations	US17 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of this facility during normal and emergency conditions	\$ 1,055,000	6	UNF
Coastal Segment 3	US17	FR/CUL/STA	I-95 to Winchester	Arterial Operations	US17 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel; improves throughput and reliability of this facility during normal and emergency conditions	\$ 570,000	6	UNF
Heartland Segment 1	US460	BRI	KY Border to WV Border	Arterial Operations	US460 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US460; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US460/US13; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 570,000	6	UNF
NC to WV Segment 1	US220	SAL	NC Border to Roanoke	Arterial Operations	US220 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US220; improves throughput and reliability of this facility during normal and emergency conditions	\$ 460,000	6	UNF
NC to WV Segment 2	US220	SAL/STA	Roanoke to I-64W	Arterial Operations	US220 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US220; improves throughput and reliability of this facility during normal and emergency conditions	\$ 240,000	6	UNF
NC to WV Segment 3	US220	STA	I-64W to WV Border	Arterial Operations	US220 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US220; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US29; improves throughput and reliability of these parallel facilities during normal and emergency conditions	\$ 471,666	6	UNF
Southside Segment 1	US58	BRI/SAL	KY Border to Henry / Pittsylvania CL	Arterial Operations	US58 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on US58; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US58; improves throughput and reliability of this facility during normal and emergency conditions	\$ 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 intelligent signal monitoring/control technology to improve travel on US460; improves throughput and reliability of this facility during normal and emergency conditions	\$ 220,000	6	UNF
Crescent Segment 1	I-81	BRI	TN Border to Wythe / Pulaski CL	Operations Traffic Management	I-81 Operational Improvements	Deployment of critical traffic monitoring and incident detection technologies on the I-81 corridor to improve safety and throughput	\$ 1,000,000	5	UNF

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Crescent Segment 2	I-81	SAL	Pulaski / Wythe CL to Botetourt County (mm 150)	Operations Traffic Management	I-81 Operational Improvements	Deployment of critical traffic monitoring and incident detection technologies on the I-81 corridor to improve safety and throughput	\$ 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 critical traffic monitoring and incident detection technologies on the I-81 corridor to improve safety and throughput	\$ 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 critical traffic monitoring and incident detection technologies on the I-81 corridor to improve safety and throughput	\$ 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 critical traffic monitoring and incident detection technologies on the I-81 corridor to improve safety and throughput	\$ 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 future connected 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	Funding to link the Central Office Operations Support Center to the statewide FO network to ensure reliable communication between OSC and all regional TOCs	\$ 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	Funding to link Staunton TOC with 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 integrated system to identify the number of available commercial truck parking spaces 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 common ATMS 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	Deploy technologies to improve incident identification and improve emergency response and clearance times	\$ 2,500,000	n/a	UNF
Statewide Program	n/a	n/a	n/a	Incident Management	Advanced Towing and Recovery Program	Implementation of pilot program to partner with towing an recovery contractor to stage and deploy assets quicker during peak period travel times; improve incident response, travel reliability and system throughput	\$ 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
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	Deploy new signal controller technology to improve arterial throughput and reliability	\$ 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 technology on key arterial corridors to demonstrate/maximize the benefits of such technology	\$ 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 at local TOCs to improve access to video imagery for VDOT TOC operators, first responders the public, freight carriers, transit and the media	\$ 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	Traveler Information	Travel Time Signage Program Expansion	Deployment of technology to provide destination travel time information to roadway users statewide	\$ 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