



SMART SCALE Round 2 Update

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Deputy Secretary of Transportation

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Round 2 Summary

436 applications submitted

- 33 applications screened out
 - \$1.393 billion SMART SCALE request
 - \$1.864 billion total cost
- 404 applications scored (including CTB project)
 - \$8.564 billion SMART SCALE request
 - \$10.884 billion total cost



Scoring Process

Factor	Conge Mitiga		Saf	fety	A	ccessibilit	ty	Econor	nic Develo	pment	Enviror	ment	Land Use
Measure	Increase in Peak Period Person Throughput	Reduction in Peak Period Delay	Reduction in Fatal and Injury Crashes	Reduction in Fatal and Injury Crash Rate	Increase in Access to Jobs	Increase in Access to Jobs for Disadvantaged Populations	Increase in Access to Multimodal Travel Choices	Square Feet of Commercial/Industrial Development Supported	Tons of Goods Impacted	Improvement to Travel Time Reliability	Potential to Improve Air Quality	Other Factor Values Scaled by Potential Acreage Impacted	Support of Transportation- Efficient Land Development



Scoring Results

Top Projects for Congestion Mitigation

District	Organization Name	Project Title
Hampton Roads	Hampton Roads TPO	High Rise Bridge – Phase 1
Richmond	Richmond Regional TPO	I-64 Widening exit 205 to 211
NOVA	Prince William County	Route 234/Balls Ford Road Interchange
NOVA	Fairfax County	Route 29 Widening – Union Mill to Buckley's

Top Projects for Safety

District	Organization Name	Project Title
NOVA	NVTC	VRE Fredericksburg Line Upgrade
Richmond	Prince George County	Route 106/Route 630 Intersection
Fredericksburg	Caroline County	Route 738/Route 639 Intersection
Richmond	Richmond Regional TPO	I-95/I-64 Overlap Corridor Lighting



Scoring Results

Top Projects for Environment

District	Organization Name	Project Title
NOVA	NVTC	VRE Fredericksburg Line Upgrade
NOVA	Prince William County	Neabsco Mill Rd Widening / Parking Garage
Hampton Roads	Hampton Roads TPO	High Rise Bridge – Phase 1
Hampton Roads	Hampton Roads TPO	I-64/I-264 Interchange

Top Projects for Economic Development

District	Organization Name	Project Title
NOVA	NVTC	VRE Fredericksburg Line Upgrade
Salem	Bedford County	Patriot's Place Roundabout
NOVA	Loudoun County	Prentice Drive Extension
Fredericksburg	Spotsylvania County	Route 208/Breckenridge Drive Intersection



Scoring Results

Top Projects for Land Use

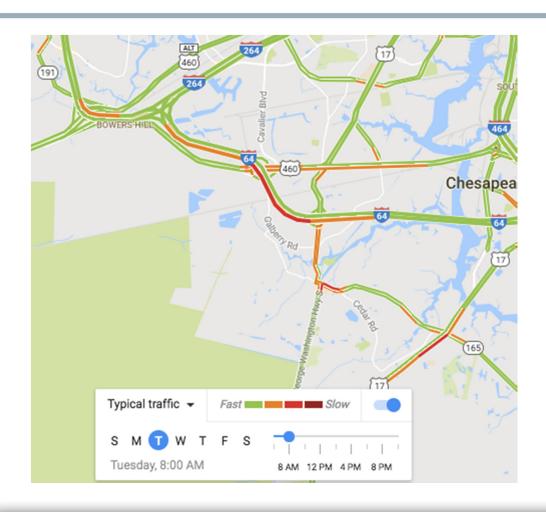
District	Organization Name	Project Title
NOVA	Arlington County	Columbia Pike Smart Corridor
Culpeper	Charlottesville	West Main Street Streetscape
NOVA	Arlington County	Rosslyn-Ballston Corridor Connections
Hampton Roads	Norfolk	Brambleton Ave/Tidewater Dr Intersection

Top Projects for Accessibility

District	Organization Name	Project Title
Hampton Roads	Hampton Roads TPO	I-64/I-264 Interchange
Hampton Roads	Hampton Roads TPO	High Rise Bridge – Phase 1
NOVA	Prince William County	Neabsco Mills Road Widening / Parking Garage
NOVA	NVTC	VRE Fredericksburg Line Upgrade



Congestion - High Rise Bridge Phase I

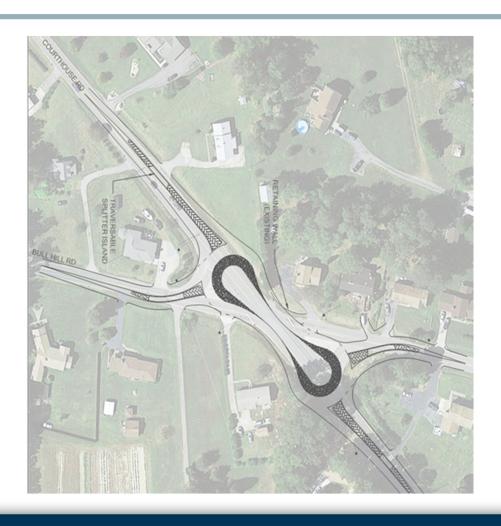


AM eastbound speed increase between 7% and 16%

PM westbound speed increase between 8% and 39%



Safety – Route 106/Route 630 Intersection

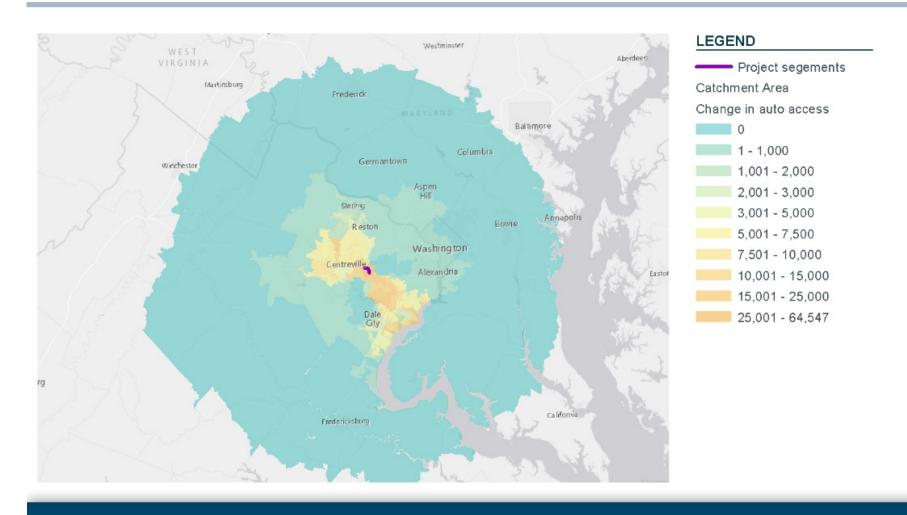


12 crashes in the last 5 years – 1 fatality and 11 injury crashes

Crash rate expected to drop from 24,143 crashes per 1M VMT to 4,828 crashes per 1M VMT – 80% reduction

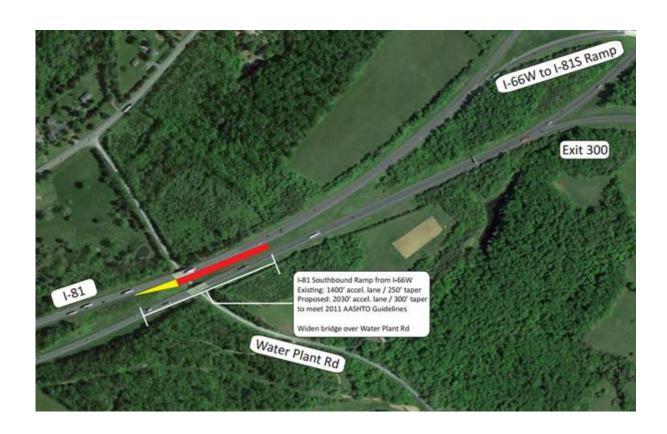


Access to Jobs – FFX Co Pkwy/Popes Head Rd





Good Movement – I-81 exit 300 SB Accel lane



Improves travel on corridor serving 158,544 daily freight tonnage



Scoring Results – Top Project Benefit

District	Organization Name	Project Title
Hampton Roads	Hampton Roads TPO	I-64 Southside Widening and High Rise Bridge - Phase 1
NOVA	NVTC	VRE Fredericksburg Line Capacity Expansion
Hampton Roads	Hampton Roads TPO	I-64/I-264 Interchange Improvements
NOVA	Drings Milliam (alinty	Route 234 At Balls Ford Intrchng and Rel/Widen Balls Ford Rd
NOVA	Fairfax County	VA 286 - Popes Head Road Interchange



Funding Available for Round 2

High Priority Projects				\$658,770,674
District Grant Program	% of DGP	DG Total	Unpaved Roads	DGP Remaining
Bristol	6.8%	\$26,608,894	\$5,868,644	\$20,740,250
Culpeper	6.3%	\$24,729,702	\$4,869,776	\$19,859,926
Fredericksburg	6.9%	\$27,354,605	\$944,965	\$26,409,640
Hampton Roads	20.0%	\$78,677,989	\$620,216	\$78,057,773
Lynchburg	7.1%	\$27,943,740	\$5,284,962	\$22,658,778
Northern Virginia	20.9%	\$82,285,798	\$2,290,156	\$79,995,642
Richmond	14.7%	\$57,864,377	\$2,114,910	\$55,749,467
Salem	9.6%	\$37,625,192	\$6,047,880	\$31,557,312
Staunton	7.8%	\$30,812,399	\$6,958,491	\$23,853,908
Total		\$393,902,695	\$35,000,000	\$358,902,693



Staff Recommended Scenario

 Step 1: Fund District Grant projects first based on Score/SMART SCALE cost using District Grant funds

	DG Only				
District	Count	Allocated	Remaining		
Bristol	8	\$18,014,000	\$2,726,250		
Culpeper	3	\$14,150,000	\$5,709,926		
Fredericksburg	5	\$22,399,155	\$4,010,485		
Hampton Roads	21	\$72,486,799	\$5,570,974		
Lynchburg	5	\$11,954,052	\$10,704,726		
NOVA	12	\$79,666,955	\$328,687		
Richmond	18	\$51,792,806	\$3,956,661		
Salem	14	\$30,046,604	\$1,530,708		
Staunton	11	\$17,144,447	\$6,709,461		
Total	97	\$317,654,818	\$41,247,877		



Staff Recommended Scenario

 Step 3: Fund projects not yet fund in Steps 1 or 2 based on their rank using High Priority Projects Program funds

	DG/HP Comingled				
District	Count	HP Allocated	HP Remaining		
Bristol	0	-			
Culpeper	6	\$36,670,560			
Fredericksburg	1	\$22,047,320			
Hampton Roads	2	\$150,000,000			
Lynchburg	1	\$11,546,300			
NOVA	9	\$287,625,801			
Richmond	5	\$77,109,960			
Salem	5	\$38,041,060			
Staunton	1	\$6,807,590			
Total	30	\$626,900,111	\$8,723,760		



Staff Recommended Scenario

 Step 2: Fund projects that otherwise would have been funded based on rank, but did not receive funding because they were not eligible for the District Grant Program using High Priority Funds as long as their cost does not exceed the total amount of District Grants funds available

	HP Only				
District	Count	HP Allocated	HP Remaining		
Bristol	0	-			
Culpeper	0	-			
Fredericksburg	1	\$1,481,550			
Hampton Roads	1	\$334,058			
Lynchburg	1	\$1,083,900			
NOVA	0	-			
Richmond	1	\$10,654,000			
Salem	2	\$2,318,000			
Staunton	4	\$7,275,295			
Total	10	\$23,146,803	\$635,623,871		



Benefits and SMART SCALE Score by District

District	Portfolio Project Benefit	Portfolio SMART SCALE Score
Bristol	6.98	3.88
Culpeper	38.78	7.63
Fredericksburg	78.43	17.08
Hampton Roads	266.12	11.94
Lynchburg	23.35	9.5
NOVA	358.62	9.76
Richmond	141.39	10.13
Salem	101.33	14.39
Staunton	47.79	15.30
Total	1,062.8	10.95



Recommended Scenario - Bristol

Applicant	Project	Funding	SMART SCALE SCORE
Marion Town	US 11 at SR 16 Intersection Improvements	942,000	8.50
Bristol City	Intersection Improvements to US 11 at Old Airport Road	3,279,000	5.44
Smyth County	US 11 at Railroad Drive Intersection Improvements	2,783,000	4.27
Smyth County	US 11 at SR 107 Intersection Improvements (No Radius)	2,347,000	3.86
Smyth County	I-81 Exit 35 (State Route 107) Interchange Modifications	2,516,000	3.66
Big Stone Gap Town	Gilley Avenue Corridor Safety Improvements	3,330,000	2.64
Abingdon Town	US11/19 at Route 140 Intersection Improvements	1,113,300	1.90
Abingdon Town	US 11 at US 19 Intersection Improvements	1,704,000	1.73



Recommended Scenario - Culpeper

Project	Applicant	Funding	SMART SCALE SCORE
Route 20/649 Intersection Improvements	Albemarle County	4,000,000	10.29
Route 151/US 250 Intersection Improvements	Albemarle County	4,750,000	9.67
Route 670 Connector Road	Albemarle County	5,400,000	8.76
Barracks Road at Emmet Street Intersection Improvements	Charlottesville City	8,640,870	8.47
Exit 118 WB I64/NB Route29	Charlottesville-Albemarle MPO	2,900,000	7.78
Rio Mills Rd/Berkmar Extended Connection	Albemarle County	1,315,810	6.95
Exit 124 (Interstate 64)	Charlottesville-Albemarle MPO	18,400,000	6.48
Broadview Ave Access Mgt	Warrenton Town	2,590,000	5.75
Improve Intersection – Frost w/ Broadview-W. Shirley Ave	Warrenton Town	2,823,880	5.10



Recommended Scenario - Fredericksburg

Project	Applicant	Funding	SMART SCALE SCORE
Chilesburg-Route 738/639 Intersection Safety Improvements	Caroline County	2,110,000	81.94
Lafayette Blvd and Harrison Road	Spotsylvania County	1,063,000	33.52
Twin Lake-Kensington Bike/Ped Connector	George Washington Regional Commission	1,481,550	27.00
Route 208 and Hood Drive Intersection Improvement	Spotsylvania County	4,888,655	18.70
Route 208 and Breckenridge Drive Intersection Improvements	Spotsylvania County	1,592,500	15.66
107714: Improve Brooke and Leeland VRE Sta, Const PS VRE Sta	George Washington Regional Commission	22,047,320	14.95
I-95 Exit 126, Route 1 Southbound onto Southpoint Parkway	Spotsylvania County	12,745,000	7.05



Recommended Scenario – Hampton Roads

Project	Applicant	Funding	SMART SCALE SCORE
Brambleton Avenue/Tidewater Drive Intersection Improvements	Norfolk City	645,500	302.24
Brambleton Avenue/Park Avenue Intersection Improvements	Norfolk City	594,000	278.64
Skiffes Creek Connector	James City County	1,544,770	78.77
Granby Street Bike Lanes	Norfolk City	822,000	76.72
I-264 W Off-ramp at Ballentine Boulevard	Norfolk City	1,710,000	61.18
Route 13, Route 2702 & Route 695 Temperanceville/Saxis Road	Accomack County	2,065,460	59.83
Stone Road - Northampton County	Northampton County	1,739,810	47.55
Bus Expansion & Three Expansion Bus Shelters	Williamsburg Area Transit Authority (WATA)	334,058	43.28
Great Bridge Blvd Right Turn Lane	Chesapeake City	1,210,000	36.28
301 South Median Crossover Project	Greensville County	729,480	32.89
Power Plant Pkwy Sidewalks	Hampton City	749,000	32.32



Recommended Scenario – Hampton Roads

Project	Applicant	Funding	SMART SCALE SCORE
Route 13 & Route 175 Chincoteague Road	Accomack County	977,884	25.14
Jefferson Avenue at Yorktown Road Intersection Improvements	Newport News City	2,460,000	21.96
Ironbound Road Phase 2	Williamsburg City	1,922,700	18.15
Indian River Road Phase VII-B	Virginia Beach City	5,000,000	17.68
Cleveland Street Phase IV	Virginia Beach City	10,000,000	13.45
Route 13 Industrial Park Traffic Light	Accomack County	846,676	11.14
I-64/I-264 Interchange Improvements	Hampton Roads Transportation Planning Organization	50,000,000	9.75
Capitol Landing Road at Bypass Road Intersection	Williamsburg City	2,144,760	7.42
Route 17 Widening between Route 630 and Route 173	York County	14,424,100	6.57
Laskin Road Phase I-A	Virginia Beach City	15,000,000	6.28



Recommended Scenario – Hampton Roads

Project	Applicant	Funding	SMART SCALE SCORE
I-64 Southside Widening and High Rise Bridge - Phase 1	Hampton Roads Transportation Planning Organization	100,000,000	6.20
Route 171 Widening between Route 17 and Route 134	York County	4,588,259	5.36
Ironbound Road Phase 3	Williamsburg City	3,312,400	4.58



Recommended Scenario - Lynchburg

Project	Applicant	Funding	Benefit Score / HB2 Cost
Arnett Boulevard Improvements	Danville City	500,588	91.41
US 460/VA 626 Intersection (Prospect)	Prince Edward County	216,955	79.63
Route 29/151 Safety Improvement	Amherst County	195,489	31.40
Mt. Cross Rd./Whitmell School Rd. Intersection Improvements	Danville Metropolitan Planning Organization	1,083,900	8.75
Route 15 & 360 Roundabout	Charlotte County	7,514,630	8.73
Columbia Road (690) and Cartersville Road (45)	Cumberland County	3,526,390	6.89
Old Courthouse Road Improvement	Appomattox County	11,546,300	5.63



Recommended Scenario – Northern Virginia

Project	Applicant	Funding	Benefit Score / HB2 Cost
Columbia Pike Smart Corridor	Arlington County	1,098,710	217.38
Waxpool Rd/Loudoun County Pkwy Intersection Improvements	Loudoun County	277,160	125.94
Park Avenue Multimodal Improvements	Falls Church City	2,000,000	46.58
Rosslyn-Ballston corridor multimodal connections	Arlington County	5,654,200	44.83
Broad Street Multimodal Improvements	Falls Church City	3,000,000	27.81
Route 123 & 243 Traffic Signal Upgrades	Vienna Town	1,179,110	20.01
West End Transitway - Southern Towers Transit Facilities	Alexandria City	10,000,000	15.05
DASH Bus Service and Facility Expansion	Alexandria City	11,134,000	14.81
Loudoun Park and Ride	Loudoun County	3,633,400	11.65
Arcola Boulevard (Route 50 to Route 606)	Loudoun County	28,969,930	11.20



Recommended Scenario – Northern Virginia

Project	Applicant	Funding	Benefit Score / HB2 Cost
Traffic Adaptive Signal Control Fiber Optic	Alexandria City	7,675,900	10.48
Backlick Run Trail Phase I	Alexandria City	5,044,545	9.33
Acquisition of Transit Buses	Loudoun County	7,200,000	8.17
VA 286 - Popes Head Road Interchange	Fairfax County	50,558,370	7.36
Route 7/ Route 690 Interchange	Loudoun County	9,564,900	7.26
VRE Fredericksburg Line Capacity Expansion	Northern Virginia Transportation Commission	70,588,800*	6.93
Route 7/ Route 287 Interchange	Loudoun County	11,390,700	6.91
Neabsco Mills Road Widening w/ Potomac Town Center Garage	Prince William County	38,638,100	6.79

^{*}Net funding after GWRC VRE project



Recommended Scenario – Northern Virginia

Project	Applicant	Funding	SMART SCALE SCORE
Route 29 Widening (Union Mill Road to Buckley's Gate Drive)	Fairfax County	53,766,900	6.24
East Elden Street Widening and Improvements	Herndon Town	26,096,621	5.68
Westwind Drive (Loudoun County Parkway to Route 606)	Loudoun County	19,821,410	4.68



Recommended Scenario - Richmond

Project	Applicant	Funding	Benefit Score / HB2 Cost
Harrowgate Road/Cougar Trail - Pedestrian Improvements	Chesterfield County	268,500	91.50
Broad Street Pedestrian and Transit Stop Improvements	Henrico County	1,367,000	44.62
US60 / Downtown Expressway Gateway Pedestrian Improvements	Richmond City	3,308,610	36.21
Rt.106 & Rt. 630 Intersection Safety Project (CH & BH Roads)	Prince George County	5,755,850	31.12
Hopkins Road Sidewalk (Bonniebank Road to S. Melody Road)	Chesterfield County	340,200	29.07
Parham Road Pedestrian and Transit Stop Improvements	Henrico County	425,000	27.13
Smart Cities: Centralized Transit SP / EV Preemption	Richmond City	1,911,080	20.84
Cold Harbor (Rt 156) and Catlin Rd (Rt. 1440) Left-Turn Lane	Hanover County	1,357,200	20.70



Recommended Scenario - Richmond

Project	Applicant	Funding	Benefit Score / HB2 Cost
US360 Hull Street Streetscape from 9 th St to Mayo Bridge	Richmond City	4,060,830	17.75
Courthouse Rd Trail (Salem Church to Courts Complex Rd)	Chesterfield County	1,200,000	14.92
Rt. 711 & Rt. 607 Intersection Improvements	Powhatan County	3,313,060	11.24
Richmond-Henrico Turnpike Improvements - Northern Segment	Henrico County	3,567,000	10.90
Route 1 (Marina Dr. to Merriewood Rd.) Sidewalk	Chesterfield County	2,082,640	10.37
I-95/I-64 Overlap: Corridorwide Lighting	Richmond Regional TPO	10,654,000	10.33
Hicks Road (Mt. Gilead-Cardiff Lane) Reconstruction	Chesterfield County	1,144,990	9.99
SB Rt. 288 to WB US 360 WB Off- Ramp, US 360 PNR Lot	Chesterfield County	13,242,570	8.36
Route 1 & Courthouse Rd. (Rt. 627) Intersection Realignment	Dinwiddie County	921,876	7.49



Recommended Scenario - Richmond

Project	Applicant	Funding	SMART SCALE SCORE
I-95 Auxiliary Lanes (nb & sb) between Rte. 288 and Rte. 10	Richmond Regional TPO	28,770,000	7.33
Cogbill/Hopkins/Chippenham - Park and Ride Lot	Chesterfield County	2,945,000	6.53
Route 155 Shoulder Wedging and Bicycle Accommodation	New Kent County	4,581,400	6.13
I-95/I-64 Overlap: Emergency Pull-Offs	Richmond Regional TPO	7,665,610	5.84
US360 Hull St Safety Operations Improvements – Phase 1	Richmond City	16,084,800	5.75
BBC Ph 1 - Bailey Bridge Connector, Brad McNeer Cnntr	Chesterfield County	21,641,070	5.45
Elkhardt Rd – Roadway, Pedestrian, Bike Improvements	Chesterfield County	2,948,480	4.61



Recommended Scenario - Salem

Project	Applicant	Funding	SMART SCALE SCORE
Smart Way Vehicle Expansion Project	Greater Roanoke Transit Company	618,000	102.44
Route 419 and Route 221 Adaptive Traffic Control	Roanoke County	663,457	49.67
Patriot Place Roundabout	Bedford County	3,512,240	46.63
Southway Regional Business Park Project	Franklin County	3,750,050	36.68
Franklin Rd Sidewalk Improvemnts – 3100 blk to Rt. 220	Roanoke City	1,116,310	29.78
Virginia Avenue (US220 Bus) Pedestrian Safety Accommodation	Henry County	639,915	27.99
West Main Street Sidewalk	Roanoke County	902,699	21.64
Safety Improvements to Route 670 and Route 834	Franklin County	3,940,160	20.68
Right turn lane northbound Route 811 at Route 622.	Bedford County	321,404	20.34
Valley Metro's Route 91/92 Vehicle Expansion Project	Greater Roanoke Transit Company	1,700,000	14.49
Plantation Rd Bike/Ped and Streetscape Phase II	Roanoke County	1,752,210	12.31



Recommended Scenario - Salem

Project	Applicant	Funding	SMART SCALE SCORE
Expansion Bus Purchase (2 60' Articulated)	Blacksburg Town	1,928,250	12.04
Mason Creek Greenway Phase 3 - 419 Multimodal Improvements	Salem City	2,610,310	10.23
Intersection Rte 609 and Rte 683 Safety Improvements	Henry County	430,877	9.99
Intersection Improvement: US 220 Business/SR 40	Rocky Mount Town	4,926,472	9.38
Hollins Road and Orange Avenue Intersection Improvements	Roanoke City	3,552,250	9.28
220 Expressway Acceleration Lane Improvement	Roanoke Valley Transportation Planning Organization	2,020,290	9.14
Downtown Salem Intersection and Streetscape Improvements	Salem City	3,629,870	9.14
I-81 Southbound Auxiliary Lane between Exit 141 and 140	Roanoke Valley Transportation Planning Organization	14,802,800	7.08
I-81 Northbound Auxiliary Lane between Exit 140 and 141	Roanoke Valley Transportation Planning Organization	15,984,100	6.96
GRTC's Automatic Vehicle Locator/Real-Time Project	Greater Roanoke Transit Company	1,604,000	6.05



Recommended Scenario - Staunton

Project	Applicant	Funding	SMART SCALE SCORE
I-81 Exit 296 Accel/Decel Lane Extensions	Northern Shenandoah Valley Regional Commission	997,481	72.18
Raphine Exit 205/Raphine Road (Route 606)	Rockbridge County	500,100	64.58
Richmond Avenue-Statler Boulevard Intersection Improvements	Staunton City	573,278	42.07
Mill Place Parkway Improvements	Augusta County	1,189,041	40.60
I-81 Exit 315 Northbound Deceleration Lane Extension	Win-Fred Metropolitan Planning Organization	643,134	32.82
Interstate 81 Exit 235 Access Improvements	Augusta County	787,244	29.18
Rt. 704 Realignment	Rockingham County	1,475,108	22.41
Rt. 682 Friedens Church Road Intersection Realignment	Rockingham County	1,116,434	16.50
Richmond Avenue Road Diet and Roundabout	Staunton City	2,245,810	15.03
I-81 Exit 300 Southbound Acceleration Lane Extension	Northern Shenandoah Valley Regional Commission	3,437,420	11.14



Recommended Scenario - Staunton

Project	Applicant	Funding	SMART SCALE SCORE
Sulphur Springs Road Intersection Improvements	Frederick County	2,812,610	8.75
Green Circle Trail - Final Phases	Winchester City	3,092,000	8.58
Papermill Road Turn Lane	Frederick County	507,262	7.50
Waynesboro Towne Center Park & Ride	Staunton-Augusta-Waynesboro Metropolitan Planning Organization	2,197,260	7.35
Lexington North Main Street Complete Streets Entry Corridor	Lexington City	2,845,560	6.85
Staunton Crossing Street Extension	Staunton City	6,807,590	6.32



Moving Forward

- February CTB meeting Review of recommended projects
- March to April Board to develop potential revisions to recommended scenario
- April to May Public hearings on recommended scenario and any potential revisions
- May CTB meeting Revised funding scenario developed
- June CTB meeting Adoption of Six-Year Improvement Program