

APPENDIX A

N PLAN

Project Score Sheets

CVLRTP 2040 Update Technical Appendix Page 2

Theme	Goals	Weight
Mobility and Accessibility: Provide a transportation system that facilitates the efficient movement of people and goods	Make it Flow, Make it Accessible	20%
Safety: Provide a safe and secure transportation system	Make it Safe	25%
Economy: Retain and increase business and employment opportunities	Promote Vitality, Make it Efficient	25%
Community and Nature: Improve the quality of life and protect the environment	Sustain Quality	15%
Efficiency: Preserve the existing transportation system and promote efficient system management	Make it Function, Coordinate Investments, Balance Priorities	15%
То	tal	100%

Theme	Performa	nce Factors	Weight Relative to Goal
Mobility and Accessibility:	A. Congestion		37%
	B. Traffic Volume		23%
that facilitates the efficient	C. Freight		20%
movement of people and goods	D. Alternative Transportation		20%
		Total	100%
Safety: Provide a safe and secure	A. Accident Rate		61%
transportation system	B. Safety Features		39%
		Total	100%
Economy: Retain and increase	A. Economic Development Plans	25%	
business and employment	B. Commuter Travel	44%	
opportunities	C. Surrounding Employment Densi	ty	31%
		Total	100%
Community and Nature: Improve	A. Cultural and Environmental Res	ources	30%
	B. Corridor Beautification		30%
environment	C. Right of Way Sufficiency		40%
		Total	100%
	A. VDOT Functional Roadway Class	sification	20%
transportation system and promote efficient system	B. Plan Coordination		38%
management	C. Distribution of Benefits	42%	
		Total	100%

Map ID	Jurisdiction	Route #	Route Name	From	То	Project Description	Estimated Cost	Benefit Score	Benefit- Cost Rating	Readiness Rating
30	Amherst County	29	South Amherst Highway	Amherst St (Rt 163)	S Coolwell Rd (Rt 604)	Traffic Operations/ Signal Coordination	\$1,625,500	76.73	High	Medium
31	Amherst County	29	South Amherst Highway	Amherst St (Rt 163)		Add ramp to complete interchange	\$12,000,000	78.63	High	Low
32	Amherst County	29	Monacan Parkway	Izaak Walton Rd (Rt 663)		New access ramps	\$10,000,000	53.20	Low	Low
33	Amherst County	60	Richmond Highway	US 29 Bypass	Rt 606W	2 lane improvements	\$9,349,000	54.05	Medium	Low
34	Amherst County	60	Richmond Highway	Rt 606W	CVMPO Boundary	2 lane improvements	\$14,904,000	57.81	Low	Low
35	Amherst County	130	Elon Rd	NS Railroad	South Amherst Highway (US 29 Bus)	Widen to four lanes	\$40,556,500	57.28	Low	Low
36	Amherst County	163	South Amherst Highway	River Rd (Rt 685)	US 29 Business	Widen to 4 lanes with bike lane	\$34,153,000	61.30	Medium	Low
37	Amherst County	210	Colony Rd	Rt 163	Rt 1034	2 lane reconstruction with shoulder	\$2,815,000	48.00	Medium	Low
38	Amherst County	622	New Wright Shop Rd	Colony Rd (Rt 210)	Dixie Airport Rd (Rt 677)	Reconstruct 2 lane road	\$19,657,000	53.24	Medium	Low
39	Amherst County	652	Cedar Gate Rd	Rt 657	Rt 675	2 lane reconstruction	\$6,271,000	43.56	Low	Low
40	Amherst County	661	Old Stage Rd	Sweet Briar Ln (Rt 624)	London Ln	2 lane improvements	\$2,849,000	45.83	Low	Low
41	Amherst County	663	Izaak Walton Rd	Glade Rd (Rt 130)	S Coolwell Rd (Rt 604)	Reconstruct 2 lane roadway	\$25,651,000	45.30	Low	Low
42	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22 ft	\$17,671,000	42.06	Low	Low
43	County Amherst	677	Dixie Airport Rd	Amelon Rd (Rt 699)	Galts Mill Rd (Rt 622)	Reconstruct 2 lane roadway	\$10,255,500	45.90	Medium	Low
44	County Amherst	682	Woody's Lake Rd	South Amherst Hwy (US 29	End	Reconstruct Roadway	\$7,202,500	52.64	Low	Low
45	County Amherst	685	River Rd	Bus) NS Railroad	Rt 163	Reconstruct 2 lane roadway	\$21,459,500	48.94	Low	Low
46	County Amherst	685	River Rd	Rt 130	NS Railroad	Reconstruct 2 lane roadway	\$26,877,000	50.45	Low	Low
47	County Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	\$9,429,000	45.46	Low	Low
48	County Amherst		(New Road)	South Amherst Highway (US	Fernwood Dr	New 2 lane connector road	\$6,232,000	47.56	Low	Low
49	County Bedford	221	Forest Rd	29 Bus) Gristmill Dr (Rt 1426)	Graves Mill Rd (Rt 126)	Access Management and Intersection	\$3,140,000	82.76	High	Medium
50	County Bedford	460	E Lynchburg Salem Turnpike	Goode Rd (Rt 668)	Thomas Jefferson Rd (Rt 811)	Improvements Construct paved shoulder and access	\$8,000,000	64.67	High	Low
51	County Bedford	501	Boonsboro Rd	Winding Creek Ln (Rt 647)		management		56.89	Medium	Low
	County Bedford					Relocate intersection, construct turn lane	\$1,625,500	42.06		
52	County Bedford	621	Cottontown Rd	Hooper Rd (Rt 662)	Hawkins Mill Rd (Rt 660)	Reconstruct 2 lane roadway	\$12,793,000		Low	Low
53	County Bedford	621	Cottontown Rd	Coffee Rd (Rt 644)	Hooper Rd (Rt 662)	Reconstruct 2 lane roadway	\$28,660,000	43.56	Low	Low
54	County Bedford	622	Waterlick Rd	Thomas Jefferson Rd (Rt 811)	Campbell County Corp Limits	Widen to 4 lanes	\$19,211,500	60.72	Medium	Low
55	County Bedford	622	Everett Rd	Kensington Pkwy	Gladden Cir (Rt 646)	Reconstruct 2 lane roadway	\$14,330,000	42.06	Low	Low
56	County Bedford	623	Turkey Foot Rd	Thomas Jefferson Rd (Rt 811)	Campbell County Corp Limits	Widen pavement to 24 ft	\$9,030,000	46.67	Low	Low
57	County Bedford	644	Coffee Rd	Elk Valley Rd (Rt 665N)	Lynchburg Corp Limit	Reconstruct 2 lane roadway	\$45,140,500	45.50	Low	Low
58	County Bedford	659	Hawkins Mill Rd	Old Farm Rd (Rt 660)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	\$9,783,000	45.66	Low	Low
59	County Bedford	663	Perrowville Rd	Quail Ridge Rd (Rt 1431)	Coffee Rd (Rt 644)	Reconstruct 2 lane roadway	\$15,047,000	42.06	Low	Low
60	County Bedford	811	Thomas Jefferson Rd	Forest Rd (Rt 221)	Waterlick Rd (Rt 622)	Widen to 4 lanes	\$34,153,000	59.58	Medium	Low
61	County Bedford	811	Thomas Jefferson Rd	Waterlick Rd (Rt 622)	Great Oak Rd (Rt 704)	Widen to 4 lanes	\$49,095,000	52.11	Low	Low
62	County	811	Thomas Jefferson Rd	Great Oak Rd (Rt 704)	US 460	Widen to 4 lanes	\$25,615,000	52.11	Medium	Low
63	County Campbell	29	(Western Alternative) US 29 Southern Bypass	S of Rt 24	Richmond Highway (US 460) E Lynchburg Salem Turnpike	New 4 lane limited access facility	\$244,951,000	75.06	Low	Low
64	County	29	(Eastern Alternative)	S of Rt 24	(US 460)	New 4 lane limited access facility	\$363,245,000	75.06	Low	Low
65	Campbell County	29	Wards Rd	Calohan Rd (Rt 685)	City of Lynchburg corp limits	Widen road (rural 6 lane with median)	\$63,784,500	69.92	Medium	Low
66	Campbell County	29	Wards Rd	Colonial Highway (Rt 24)	Calohan Rd (Rt 685)	Widen road (rural 6 lane with median)	\$23,486,000	63.31	Medium	Low
67	Campbell County	29	Wards Rd	S of Calohan Rd (Rt 685)	City of Lynchburg Corp Limits	Access mgmt, traffic ops, safety improvements	\$10,000,000	73.18	High	Medium
68	Campbell County	29	Wards Rd	English Tavern Rd (Rt 738)	Terminal Dr	Access Management	\$16,000,000	82.72	High	Medium
69	Campbell County	460	East Lynchburg Salem Turnpike	Waterlick Rd (Rt 622)	Campbell Ave (Rt 501)	Increase to 6 lanes	\$173,356,000	71.48	Medium	Low
70	Campbell County	460	Timberlake Rd	Waterlick Rd (Rt 622)		Median & turn lane improvements, add lanes	\$2,344,000	82.51	High	Medium
71	Campbell County	501	Campbell Highway	Village Rd (Rt 24)	Suburban Rd (Rt 680)	Widen to 4 lanes	\$27,387,500	59.24	Low	Low
72	Campbell County	622	Waterlick Rd	Bedford County Corp Limit	Rainbow Forest Dr (Rt 1520)	Widen to 4 lanes	\$23,480,500	68.26	Medium	Low
73	Campbell County	622	Waterlick Rd	Timberlake Rd (US 460)	Leesville Rd (Rt 682)	Widen to 4 lanes	\$20,889,000	60.94	Medium	Low
74	Campbell County	681	Sunburst Rd	Richmond Highway (US 460)	Waterlick Rd (Rt 622)	Reconstruct 2 lane roadway	\$21,736,000	52.23	Low	Low
75	Campbell County	682	Leesville Rd	City of Lynchburg corp limits	Richmond Highway (US 460)	Widen to 4 lanes	\$41,663,500	51.80	Medium	Low
76	Campbell County	726	Mt. Athos Rd	Richmond Highway (US 460)	Babcock and Wilcox	Upgrade existing 2 lane road	\$13,614,000	53.29	Medium	Low

ID	Jurisdiction	Route #	Route Name	From	То	Project Description	Estimated Cost	Benefit Score	Benefit- Cost Rating	Readiness Rating
77	Campbell County	738	English Tavern Rd	Suburban Rd (Rt 680)	Wards Rd (US 29)	Widen to 24 ft	\$13,376,000	47.16	Medium	Low
78	Campbell County	738	English Tavern Rd	Wards Rd (US 29)	Suburban Rd (Rt 680)	Suburban Rd (Rt 680) Widen to 24 ft \$1		48.65	Medium	Low
79	City of Lynchburg	29	Lynchburg Expressway	Main St/Church St	-	Improve interchange	\$2,700,000	74.71	High	Low
80	City of Lynchburg	29	Lynchburg Expressway	Miller St/Robbin Rd	-	Improve interchange	\$200,000	74.66	High	Medium
81	City of Lynchburg	29	Lynchburg Expressway	Kemper St/ Campbell Ave	-	Improve interchange	\$14,900,000	76.21	High	Low
82	City of Lynchburg	29	Lynchburg Expressway	James St/Stadium Rd	-	Improve interchange	\$12,220,000	76.21	High	Low
83	City of Lynchburg	29	Lynchburg Expressway	Odd Fellows Rd	-	Improve interchange	\$7,320,000	83.67	High	Low
84	City of Lynchburg	29/501	Lynchburg Expressway	Candlers Mountain Rd (Rt 501)	-	Improve interchange	\$16,220,000	92.71	High	Low
85	City of Lynchburg	163	5th St	Jackson St	Taylor St	Streetscape improvements	\$2,000,000	55.47	High	Low
86	City of Lynchburg	163	5th St	Taylor St	NS Railway Bridge	Reconstruct road and ped, add streetscape	\$2,000,000	61.23	High	Low
87	City of Lynchburg	163	Memorial Ave	NS Railway	Langhorne Ave	Reconstruct road and ped, add streetscape	\$2,000,000	68.89	High	Low
88	City of Lynchburg	221	Lakeside Dr	Lynchburg Expressway (Rt 501)	Forest Brook Rd	Widen to 4 lanes		80.09	Medium	Low
89	City of Lynchburg	460/29	Richmond Highway	Campbell Ave (Rt 501)	Monacan Parkway (US 29)	Widen to 6 lane limited access highway	\$39,927,900	82.70	Medium	Low
90	City of Lynchburg	501	Lynchburg Expressway	S of Rt 221	Northwest Expressway (Rt 501)	New 4 lane road (One way pairs)	\$37,383,000	93.26	High	High
91	City of Lynchburg	501	Candlers Mountain Rd	Richmond Highway (US 460)	Lynchburg Expressway (US 29)	Widen to 6 lanes	\$23,068,000	89.37	High	Low
92	City of Lynchburg	501	Northwest Expressway	Old Forest Rd	Wiggington Rd (Rt 620)	Widen to 4 lanes	\$27,652,950	70.49	High	Low
93	City of Lynchburg	501	Campbell Ave	Edmunds St	Florida Ave	Roundabouts, Road Diet, Rail to Trail	\$6,100,000	66.83	High	Low
94	City of Lynchburg	670	Candlers Mountain Rd	Mayflower Dr (Rt 128)	Richmond Highway (US 460)	Widen to 4 lanes	\$17,283,000	68.86	Medium	Low
95	City of Lynchburg		Downtown Streets	-	-	Implement downtown complete streets	\$50,000,000	72.79	Medium	Low
96	City of Lynchburg		Odd Fellows Rd	Richmond Hwy (US 460)	Lynchburg Expressway (US 29)	Roundabouts, bridge replacement, corridor balance	\$13,000,000	63.91	Medium	Low
97	City of Lynchburg		Wards Ferry Rd	Harvard St.		Construct Roundabout	\$1,100,000	61.15	High	Low
98	City of Lynchburg		Wards Ferry Rd	Atlanta Ave		Add turn lanes	\$495,000	53.42	High	Low
99	City of Lynchburg		New Road	Campbell Ave (Rt 501)	Odd Fellows Rd	Construct new roadway	\$10,000,000	53.56	Low	Low

Project	Number	30	Category	Access Managen	nent and Safety	Proje	ect List	Vision
Jurisdiction	Route	Name Route Number			om T		Го	Length (mi)
Amherst County	South Amhe	erst Highway	st Highway 29 Amherst S		t (Rt 163) S Coolwell		Rd (Rt 604)	3.7
Proposed Im	provement	Traffi	ic Operations/	Signal Coordin	ation	Est. Cost	\$1,62	5,500
Capacity/ Traffic Ops	Improves Traffic Ops	Safety Priority	Secondary	Modes Served	A	uto	Streetscaping	None
Project Benefit	t Score	76.7	Project Benefi	t-Cost Rating	High	Project Readi	ness Rating	Medium
				fit Score Calcul				
ategory			Result	inc. Wobinty and P	Rating	Points	Weight	Score
ongestion			2040 V/C: 0.86		Medium	66.7	37%	24.7
raffic Volume		2040 We	ighted Traffic Flo	w: 470 vph	High	100	23%	23.0
reight		Т	ruck Volume: 3.3	2%	Medium	66.7	20%	13.3
lternative Tran	sportation		None included		Low	33.3	20%	6.7
						al Mobility and A	ccessibility Score	67.7
ategory			Result	ision Theme: Safe	Rating	Points	Weight	Score
.ccident Rate		2011-20	13: 56.8 accident	ts per mile	High	100	61%	61.0
fety Features Improves traffic operations			Medium	66.7	39%	26.0		
						Т	otal Safety Score	87.0
				sion Theme: Econo	,	Del 14	147-1-1-1	6
Category Economic Develo	anmont Plans	Improves co	Result orridor of statewid	lo significanco	Rating Medium	Points 66.7	Weight 25%	Score 16.7
Commuter Trave		· ·		0	High	100	44%	44.0
imployment Der			imary commuter corridor with congestion 1-4 jobs per acre		Medium	66.7	31%	20.7
1			,,			Tota	al Economy Score	81.4
			Vision The	eme: Community a	nd Nature			
Category			Result		Rating	Points	Weight	Score
ultural and Env.			Resource Score: 2		High	100	30%	30.0
orridor Beautifi			streetscaping fea		Low	33.3	30%	10.0
light of Way Suf	ficiency	No a	additional ROW n	eeded	High	100	40%	40.0 80.0
			Vision Th	eme: Operational		otal Community a	and Nature Score	80.0
ategory			Result	eme. Operational	Rating	Points	Weight	Score
unctional Classi	fication	Urbai	n Other Principle	Arterial	High	100	20%	20.0
lan Coordinatio			commended in ot		Low	33.3	38%	12.7
Distribution of Be	enefits	Amhers	t County, City of I	vnchburg	Medium	66.7	42%	28.0
		,		-,			l Efficiency Score	60.7
				Vision Theme		Points	Weight	Score
				Mobility and Acces		67.7	20%	12 5

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	67.7	20%	13.5
Total Benefit Score	Safety	87.0	25%	21.8
	Economy	81.4	25%	20.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	60.7	15%	9.1
		Total Proje	ect Benefit Score	76.7

	Benefit Score	76.7
Benefit-Cost	Estimated Cost	\$1,625,500
	Estimated Users	42783
Calculation	Benefit-Cost Score	2019.41
	Benefit-Cost Rating	High

Readiness Right of Way Acquisition 1	
Ongoing Project 0	
Calculation Readiness Score 2	
Readiness Rating Mediur	n

Project Number 31		Category	New Ro	adway	Proje	ct List	Vision	
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
Amherst County South Amherst Highway		erst Highway	29	Amherst S	st St (Rt 163)			
Proposed Improvement Ad			d ramp to com	nplete intercha	nge	Est. Cost	\$12,00	00,000
Capacity/ Traffic Ops	Increase Capacity	Safety Priority	Secondary	Modes Served	Auto		Streetscaping	None
Project Benefit	Project Benefit Score 78.6			t-Cost Rating	High	Project Readin	ess Rating	Low
				fit Score Calcul				
				me: Mobility and A				
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 0.97		Medium	66.7	37%	24.7
Traffic Volume		2040 We	ighted Traffic Flo	w: 493 vph	High	100	23%	23.0
Freight		Т	ruck Volume: 2.2	3%	Medium	66.7	20%	13.3
Alternative Tran	sportation		None included		Low	33.3	20%	6.7

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	Lynchburg District high accident rate location	High	100	61%	61.0		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	87.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Improves corridor of statewide significance	Medium	66.7	25%	16.7		
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0		
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7		
			Tota	l Economy Score	81.4		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
Total Community and Nature Score					80.0		

Vision Theme: Operational Efficiency						
Category	Re	sult	Rating	Points	Weight	Score
Functional Classification	Urban Freeway and Expressway High		100	20%	20.0	
Plan Coordination	VTRANS 2035 Surface Transportation Plan		Medium	66.7	38%	25.3
Distribution of Benefits	Amherst County,	City of Lynchburg	Medium	66.7	42%	28.0
				Total Operationa	Efficiency Score	73.4
		Vision Theme		Points	Weight	Score
		Mobility and Acc	essibility	67.7	20%	13.5
		Safety		87.0	25%	21.8
		Economy		81.4	25%	20.3

Community and Nature

Operational Efficiency

Benefit-Cost Calculation	Benefit Score	78.6
	Estimated Cost	\$12,000,000
	Estimated Users	21594
	Benefit-Cost Score	141.49
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

15%

15%

Total Project Benefit Score

80.0

73.4

Total Mobility and Accessibility Score

67.7

12.0

11.0

Project I	Number	32	Category	New Ro	adway	Proje	ect List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	٦	Го	Length (mi)
Amherst County	Monacan	n Parkway	29	Izaak Walton	Rd (Rt 663)			0.25
Proposed Imp	Proposed Improvement New access ramps Est. Cost \$10,000,000					00,000		
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit	Project Benefit Score 53.2 Project Benefit-Cost Rating Low Project Readiness Rating Low					Low		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Vision Theme: Wobility and Accessibility					
Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: NA	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: NA	Low	33.3	23%	7.7
Freight	Truck Volume: NA	Low	33.3	20%	6.7
Alternative Transportation	None	Low	33.3	20%	6.7
Total Mobility and Accessibility Score				33.3	

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: NA	Low	33.3	61%	20.3
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			Т	otal Safety Score	46.3

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Recommended in Region 2000 CEDS	High	100	25%	25.0
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
Total Economy Score			64.7		

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	Low	33.3	40%	13.3
Total Community and Nature Score			53.3		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0
Plan Coordination	Included in Amherst County Comprehensive Plan, Region 2000 CEDS High		100	38%	38.0
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
			Total Operationa	l Efficiency Score	72.0
	Vision Theme		Points	Weight	Score
	Mobility and Acces	cibility	22.2	200/	67

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
Total Benefit Score	Safety	46.3	25%	11.6
	Economy	64.7	25%	16.2
	Community and Nature	53.3	15%	8.0
	Operational Efficiency	72.0	15%	10.8
		Total Proj	ect Benefit Score	53.2

Benefit-Cost	Benefit Score	53.2
	Estimated Cost	\$10,000,000
	Estimated Users	2000
Calculation	Benefit-Cost Score	10.64
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	33	Category	Roadway Rec	construction	Project List		Vision	
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)	
Amherst County	Richmond	d Highway	60	US 29 Bypass Rt 606		06W	0.93		
Proposed Im	provement		2 lane imp	provements		Est. Cost	\$9,34	9,000	
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto, B	Bike, Ped	Streetscaping	Secondary	
Project Benefit	Project Benefit Score 54.1			t-Cost Rating	Medium	Project Readin	ess Rating	Low	
	Benefit Score Calculation Vision Theme: Mobility and Accessibility								

Vision meme. Mobility and Accessibility								
Category	Result	Rating	Points	Weight	Score			
Congestion	2040 V/C: 0.66	Low	33.3	37%	12.3			
Traffic Volume	2040 Weighted Traffic Flow: 129 vph	Low	33.3	23%	7.7			
Freight	Truck Volume: 8.64%	High	High 100 20%		20.0			
Alternative Transportation	Adds bike lanes, sidewalks	High	100	20%	20.0			
		Total Mobility and Accessibility Score						

Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 8.6 accidents per mile	Low	33.3	61%	20.3			
Safety Features	Primary: Separates modes of travel	High	100	39%	39.0			
			То	otal Safety Score	59.3			

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3			
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7			
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3			
			Total Economy Score		33.3			

Vision Theme: Community and Nature								
Category	Result Rating Points Weight							
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0			
Corridor Beautification	Includes sidewalk space	Medium	66.7	30%	20.0			
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7			
		Total Community and Nature Score						

1	Vision Theme: Operational	Efficiency			
R	esult	Rating	Points	Weight	Score
Urban Other I	Principle Arterial	High	100	20%	20.0
Plan Coordination VTRANS 2035 Surface Transportation Plan		Medium	66.7	38%	25.3
Amherst County		Low	33.3	42%	14.0
			Total Operational	Efficiency Score	59.3
	Vision Theme		Points	Weight	Score
	Mobility and Acce	essibility	60.0	20%	12.0
Total Benefit Score			59.3	25%	14.8
			33.3	25%	8.3
	Community and N	lature	66.7	15%	10.0
	R Urban Other VTRANS 2035 Surfa Amher	Result Urban Other Principle Arterial VTRANS 2035 Surface Transportation Plan Amherst County Vision Theme Mobility and Acce Safety Economy	Urban Other Principle Arterial High VTRANS 2035 Surface Transportation Plan Medium Amherst County Low Vision Theme Mobility and Accessibility Safety	Result Rating Points Urban Other Principle Arterial High 100 VTRANS 2035 Surface Transportation Plan Medium 66.7 Amherst County Low 33.3 Total Operational Vision Theme Mobility and Accessibility 60.0 Safety 59.3 Economy 33.3	ResultRatingPointsWeightUrban Other Principle ArterialHigh10020%VTRANS 2035 Surface Transportation PlanMedium66.738%Amherst CountyLow33.342%Total Operational Efficiency ScoreVision ThemePointsWeightMobility and Accessibility60.020%Safety59.325%Economy33.325%

Operational Efficiency

	Benefit Score	54.1
Benefit-Cost	Estimated Cost	\$9,349,000
	Estimated Users	6343
Calculation	Benefit-Cost Score	36.67
	Benefit-Cost Rating	Medium

Readiness	NEPA Screening	0
	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

15%

Total Project Benefit Score

59.3

8.9

Project	Number	34	Category	Roadway Rec	onstruction	Project List		Vision	
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)	
Amherst County	Richmond	d Highway	60	Rt 60	06W CVMPO Boundary		2.08		
Proposed Im	provement		2 lane improvements		Est. Cost	\$14,90	04,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	ıto	Streetscaping	None	
Project Benefit	Project Benefit Score 57.8			t-Cost Rating	Low	Project Readin	ess Rating	Low	
	Benefit Score Calculation Vision Theme: Mobility and Accessibility								

Vision Theme: Mobility and Accessibility									
Category	Result	Rating	Points	Weight	Score				
Congestion	2040 V/C: 0.18	Low	33.3	37%	12.3				
Traffic Volume	2040 Weighted Traffic Flow: 84 vph	Low	33.3	23%	7.7				
Freight	Truck Volume: 8.64%	High	High 100 20%		20.0				
Alternative Transportation	None included	Low	33.3	20%	6.7				
		Tota	46.6						

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	Lynchburg District High Accident Rate Location	High	100	61%	61.0		
Safety Features	Secondary Priority: General Design	Med	66.7	39%	26.0		
			То	otal Safety Score	87.0		

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3			
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7			
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3			
			Tota	33.3				

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
Total Community and Nature Score				70.0	

	Vision Theme: Operationa	l Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	VTRANS 2035 Surface Transportation Plan	Medium	66.7	38%	25.3
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	52.7
	Vision Theme		Points	Weight	Score
	Mobility and Acce	essibility	46.6	20%	9.3

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	46.6	20%	9.3
	Safety	87.0	25%	21.8
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	52.7	15%	7.9
		Total Proj	ect Benefit Score	57.8

	Benefit Score	57.8
Benefit-Cost	Estimated Cost	\$14,904,000
	Estimated Users	4008
Calculation	Benefit-Cost Score	15.55
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project I	Number	35	Category	Roadway Capa	city Expansion	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
Amherst County	Elor	n Rd	130	NS Rai	lroad	South Amhe (US 29	erst Highway 9 Bus)	1.9
Proposed Imp	provement		Widen to	four lanes		Est. Cost	\$40,55	56,500
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, E	Bike, Ped	Streetscaping	Secondary
Project Benefit	Score	57.3	Project Benefit	t-Cost Rating	Low	Project Readin	ess Rating	Low
				fit Score Calcul				
Category			Result	-	Rating	Points	Weight	Score
Congestion			2040 V/C: 0.53		Low	33.3	37%	12.3
Traffic Volume		2040 We	ighted Traffic Flo	w: 186 vph	Medium	66.7	23%	15.3
Freight		Т	ruck Volume: 8.5	2%	High	100	20%	20.0
Alternative Trans	sportation	Inclue	des bike lanes, sid	lewalks	High	100	20%	20.0
					Tota	al Mobility and Ad	cessibility Score	67.7
	Vision Theme: Safety							

Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 10.5 accidents per mile	Medium	66.7	61%	40.7	
Safety Features	Seperates modes of travel	High	100	39%	39.0	
			Т	otal Safety Score	79.7	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
Total Economy Score				33.3		

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0
Corridor Beautification	Includes sidewalk space	Medium	66.7	30%	20.0
Right of Way Sufficiency	Significant additional ROW needed	Low	33.3	40%	13.3
Total Community and Nature Score				63.3	

	Vision Theme: Operation	al Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	40.0
	Vision Theme		Points	Weight	Score
	Mobility and Ac	Mobility and Accessibility		20%	13.5
	C - C - L		70.7	250/	10.0

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	67.7	20%	13.5
	Safety	79.7	25%	19.9
	Economy	33.3	25%	8.3
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	40.0	15%	6.0
		Total Proje	ect Benefit Score	57.3

	Benefit Score	57.3
Benefit-Cost	Estimated Cost	\$40,556,500
	Estimated Users	8934
Calculation	Benefit-Cost Score	12.62
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	36	Category	Roadway Capac	ity Expansion	Proje	ect List	Vision
Jurisdiction	Route	e Name	Name Route From		m	То		Length (mi)
Amherst County	South Amh	erst Highway	163	River Rd (Rt 685)	US 29 E	Business	1.6
Proposed Imp	provement	W	/iden to 4 lan	es with bike lan	e	Est. Cost	\$34,15	53,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto,	Bike, Ped	Streetscaping	Secondary
Project Benefit	Score	61.3	Project Benefi	t-Cost Rating	Medium	Project Reading	ness Rating	Low
			Bene	fit Score Calcul	ation			
			Vision The	me: Mobility and A	ccessibility			
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 0.89		Medium	66.7	37%	24.7
raffic Volume		2040 We	2040 Weighted Traffic Flow: 477 vph		High	100	23%	23.0
reight		Т	Truck Volume: 1.05%		Low	33.3	20%	6.7
Alternative Transportation Add		s bike lanes, side	walks	High	100	20%	20.0	
					Tot	al Mobility and A	ccessibility Score	74.3
			v	ision Theme: Safet	у			
Category			Result		Rating	Points	Weight	Score
Accident Rate		2011-20	13: 18.1 accident	ts per mile	Medium	66.7	61%	40.7
afety Features		Sep	perates modes of travel		High	100	39%	39.0
						Т	otal Safety Score	79.7
			Vis	ion Theme: Econor	ny			
Category			Result		Rating	Points	Weight	Score
conomic Develo	pment Plans	Not incl	uded in recomm	endations	Low	33.3	25%	8.3
Commuter Trave	1	Not a p	rimary commute	r corridor	Low	33.3	44%	14.7
mployment Der	nsity		1-4 jobs per acr	e	Medium	66.7	31%	20.7
						Tota	I Economy Score	43.7
			Vision The	eme: Community a	nd Nature			
ategory			Result		Rating	Points	Weight	Score
Cultural and Env.	Resources		Resource Score:	7	Low	33.3	30%	10.0
Corridor Beautifi	cation	Secon	dary: Includes sig	dewalks	Medium	66.7	30%	20.0
light of Way Suf	ficiency	Significa	nt additional RO	W needed	Low	33.3	40%	13.3
						otal Community a	and Nature Score	43.3

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0	
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7	
Distribution of Benefits	Amherst County, City of Lynchburg	Medium	66.7	42%	28.0	
			Total Operational	Efficiency Score	60.7	
	Vision Thoma		Dointe	Maight	Secure	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	74.3	20%	14.9
Total Benefit Score	Safety	79.7	25%	19.9
	Economy	43.7	25%	10.9
	Community and Nature	43.3	15%	6.5
	Operational Efficiency	60.7	15%	9.1
		Total Proje	ect Benefit Score	61.3

	Benefit Score	61.3
Benefit-Cost	Estimated Cost	\$34,153,000
	Estimated Users	21544
Calculation	Benefit-Cost Score	38.67
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project I	Number	37	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)
Amherst County	Color	ny Rd	210	Rt 1	63	Rt 1034		0.3
Proposed Improvement2 lane reconstruction with shoulderEst. Cost\$2,815,000					5,000			
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	А	uto	Streetscaping	None
Project Benefit	Score	48.0	Project Benefit	t-Cost Rating	Medium	Project Readin	ess Rating	Low
				fit Score Calcul				
1				me: Mobility and A	,			
Category			Result		Rating	Points	Weight	Score

Congestion	2040 V/C: 0.13	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 24 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 3.79%	Medium	66.7	20%	13.3
Alternative Transportation	native Transportation No facilities included Low 33.3 20%		20%	6.7	
	Total Mobility and Accessibility Score			40.0	

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 3.3 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
Total Safety Score				46.3			

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
			Total Economy Score			

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
	Total Community and Nature Score				80.0		

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3	
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7	
Distribution of Benefits	Amherst County	Medium	66.7	42%	28.0	
			Total Operationa	Efficiency Score	54.0	

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	40.0	20%	8.0
	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	54.0	15%	8.1
		Total Proje	ect Benefit Score	48.0

Benefit-Cost Calculation	Benefit Score	48.0
	Estimated Cost	\$2,815,000
	Estimated Users	1144
	Benefit-Cost Score	19.51
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	38	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction			Route Number	From		То		Length (mi)
Amherst County	New Wrig	ht Shop Rd	622	Colony Rd (Rt 210) Dixie Airport Rd		t Rd (Rt 677)	2.3	
Proposed Improvement Reconstruct 2 lane road Est. Cost \$19,657					57,000			
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	A	uto	Streetscaping	None
Project Benefit Score 53.2 Project Benefit-Cost Rating Medium Project Readiness Rating					Low			
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.52	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 129 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 1.46%	Low	33.3	20%	6.7
Alternative Transportation	Not included	Low	33.3	20%	6.7
Total Mobility and Accessibility Score				33.3	

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	Lynchburg District high accident rate location	High	100	61%	61.0
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			Т	otal Safety Score	87.0

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
Total Economy Score			33.3		

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
Total Community and Nature Score			nd Nature Score	70.0	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
Total Operational Efficiency Score					40.0
Vision Theme Points Weight					Score

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
Total Benefit Score	Safety	87.0	25%	21.8
	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	40.0	15%	6.0
		Total Proj	ect Benefit Score	53.2

Benefit-Cost	Benefit Score	53.2
	Estimated Cost	\$19,657,000
	Estimated Users	6191
Calculation	Benefit-Cost Score	16.77
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	39	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	٦	ō	Length (mi)
Amherst County	Cedar	Gate Rd	652	Rt 6	57	Rt	675	1.1
Proposed Im	provement		2 lane reconstruction			Est. Cost	\$6,27	1,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	Auto		None
Project Benefit	Project Benefit Score 43.6			t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Vision Theme: Mobility and Accessibility								
Category	Result	Rating	Rating Points Weight					
Congestion	2040 V/C: 0.09	Low	33.3	37%	12.3			
Traffic Volume	2040 Weighted Traffic Flow: 20 vph	Low	33.3	23%	7.7			
Freight	Truck Volume: 1.3%	Low	33.3	20%	6.7			
Alternative Transportation	No facilities included	Low 33.3 20%		6.7				
Total Mobility and Accessibility Score					33.3			

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 0.9 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46.3	

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	33.3 44%			
Employment Density	Less than 1 job per acre	Low	33.3 31% 10		10.3		
			Tota	33.3			

Vision Theme: Community and Nature								
Category	Result	Result Rating Points Weight						
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0			
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0			
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0			
Total Community and Nature Score					80.0			

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7			
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7			
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0			
			Total Operational	Efficiency Score	33.3			
	Vision Theme		Points	Weight	Score			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
Total Benefit Score	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	Total Project Benefit Score	

Benefit-Cost	Benefit Score	43.6
	Estimated Cost	\$6,271,000
	Estimated Users	982
Calculation	Benefit-Cost Score	6.82
	Benefit-Cost Rating	Low

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	40	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	ion Route Name		Route Number	Fro	m	То		Length (mi)
Amherst County	Old St	age Rd	661	Sweet Briar Ln (Rt 624)		London Ln		0.5
Proposed Im	provement		2 lane improvements		Est. Cost	\$2,84	9,000	
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 45.8		Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low	
	Benefit Score Calculation							

Vision Theme: Mobility and Accessibility								
Category	Result	Result Rating Points Weight So						
Congestion	2040 V/C: NA	Low	33.3	37%	12.3			
Traffic Volume	2040 Weighted Traffic Flow: NA	Low	33.3	23%	7.7			
Freight	Truck Volume: NA	Low	33.3	20%	6.7			
Alternative Transportation	None included	Low 33.3 20%		6.7				
		Tota	33.3					

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 0 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7 39% 2		26.0		
			Т	otal Safety Score	46.3		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Recommended by Region 2000 CEDS	High	100	25%	25.0		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Tota	50.0			

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			80.0	

	Vision Theme: Operational	Efficiency						
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Local Road	Low	33.3	20%	6.7			
Plan Coordination	Recommended in Region 2000 CEDS,			38%	0.0			
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0			
		Total Operational Efficiency Score						
	Vision Theme		Points	Weight	Score			
	Mobility and Acce	ssibility	33.3	20%	6.7			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
Total Benefit Score	Safety	46.3	25%	11.6
	Economy	50.0	25%	12.5
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	20.6	15%	3.1
		Total Proje	Total Project Benefit Score	

	Benefit Score	45.8
Benefit-Cost	Estimated Cost	\$2,849,000
	Estimated Users	500
Calculation	Benefit-Cost Score	8.04
	Benefit-Cost Rating	Low

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	41	Category	Roadway Rec	onstruction	Project List		Vision		
Jurisdiction	Route	Name	Route Number	Fro	From		ō	Length (mi)		
Amherst County	Izaak W	alton Rd	663	Glade Rd (Rt 130) S (S Coolwell Rd (Rt 604)		S Coolwell Rd (Rt 604)		4.5
Proposed Im	Proposed Improvement Reconstruct 2 lane roadway Est. Cost \$25,651,				51,000					
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	А	uto	Streetscaping	None		
Project Benefit	t Score	45.3	Project Benefit	t-Cost Rating	Low	Project Readin	ess Rating	Low		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									
0.1					6					

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.21	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 54 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 3.16%	Medium	66.7	20%	13.3
Alternative Transportation	None included	Low 33.3 20%		6.7	
Total Mobility and Accessibility Score				40.0	

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 3.6 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	46.3		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Tota	33.3			

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
		То	70.0				

	Vision Theme: Operational	Efficiency						
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7			
Plan Coordination	Recommended in Amherst County Comp Plan	Medium	66.7	38%	25.3			
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0			
			Total Operational	Efficiency Score	46.0			
	Vision Theme		Points	Weight	Score			
	Mobility and Acce	Mobility and Accessibility		20%	8.0			

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	40.0	20%	8.0
	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	46.0	15%	6.9
		Total Proje	ect Benefit Score	45.3

	Benefit Score	45.3
Benefit-Cost	Estimated Cost	\$25,651,000
	Estimated Users	2594
Calculation	Benefit-Cost Score	4.58
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	42	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)
Amherst County	Wines	sap Rd	675	Rt 6	52	Rt	795	3.1
Proposed Improvement Widen pavement to 22 ft Est. Cost \$17,67				71,000				
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	ito	Streetscaping	None
Project Benefit Score 42.1 Project Benefit-Cost Rating Low Project Readiness Rating					Low			
Benefit Score Calculation								

Vision Theme: Mobility and Accessibili	tv
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vision memer mountly and recessionly						
Category	Result	Rating	Points	Weight	Score	
Congestion	2040 V/C: 0.02		33.3	37%	12.3	
Traffic Volume	2040 Weighted Traffic Flow: 4 vph	Low	33.3	23%	7.7	
Freight	Truck Volume: 0.49%	Low	33.3	20%	6.7	
Alternative Transportation	Not included	Low	33.3	20%	6.7	
Total Mobility and Accessibility Score				33.3		

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 1.6 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46.3	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
Total Economy Score			33.3			

Vision Theme: Community and Nature						
Category Result Rating Points Weight						
Cultural and Env. Resources	Resource Score: 8	Medium	66.7	30%	20.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
Total Community and Nature Score				70.0		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	33.3
	Vicion Thoma		Points	Woight	Scoro

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	42.1

	Benefit Score	42.1
Benefit-Cost	Estimated Cost	\$17,671,000
	Estimated Users	181
Calculation	Benefit-Cost Score	0.43
	Benefit-Cost Rating	Low

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	43	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
Amherst County	Dixie Ai	rport Rd	677 Amelon Rd (Rt 699) Galts Mill R		Amelon Rd (Rt 699) Gal		Galts Mill Rd (Rt 622)	
Proposed Improvement Reconstruct 2 lane roadway Est. Cost \$10,255,500						55,500		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto Streetscaping		Streetscaping	None
Project Benefit	t Score	45.9	Project Benefi	t-Cost Rating	Medium	Project Readin	ess Rating	Low
Benefit Score Calculation								
Vision Theme: Mobility and Accessibility								
Category			Result		Rating	Points	Weight	Score
Congection			2010 1/0-0-29		Low	22.2	27%	12.2

Congestion	2040 V/C: 0.38	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 85 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 2.29%	Medium	66.7	20%	13.3
Alternative Transportation	Not included	Low	Low 33.3 20%		6.7
Total Mobility and Accessibility Score					40.0

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 8.3 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	46.3		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3 44% 14		14.7		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Total Economy Score		33.3		

Vision Theme: Community and Nature							
Category	tegory Result Rating Points Weight			Score			
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
		Total Community and Nature Score			80.0		

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3		
Plan Coordination Not recommended in other plans		Low	33.3	38%	12.7		
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0		
Total Operational Efficiency Score					40.0		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
Total Benefit Score	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	40.0	15%	6.0
		Total Proje	ect Benefit Score	45.9

	Benefit Score	45.9
Benefit-Cost	Estimated Cost	\$10,255,500
	Estimated Users	4074
Calculation	Benefit-Cost Score	18.23
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	44	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	liction Route Name Route From To		ō	Length (mi)				
Amherst County	Woody's	s Lake Rd	682		Amherst Hwy (US 29 Bus) End		nd	0.8
Proposed Im	provement		Reconstru	ct Roadway		Est. Cost	st. Cost \$7,202,500	
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto	o, Ped	Streetscaping	Secondary
Project Benefit	Score	52.6	Project Benefit	t-Cost Rating	Low Project Readi		ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category	Category Result		Result		Rating	Points	Weight	Score
Congestion			2040 V/C: NA		Low	33.3	37%	12.3
Traffic Volume		2040 \	Weighted Traffic F	low: NA	Low	33.3	23%	7.7

Alternative Transportation	Adds sidewalks	Medium	66.7	20%	13.3			
		Total Mobility and Accessibility Score			40.0			
Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 8.8 accidents per mile	Low	33.3	61%	20.3			
Safety Features	Separates modes of travel	High	100	39%	39.0			
			То	59.3				

Truck Volume: NA

Freight

33.3

Low

20%

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Commuter Travel Not a primary commuter corridor		33.3	44%	14.7	
Employment Density 1-4 jobs per acre		Medium	66.7	31%	20.7	
			Tota	43.7		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 10	Medium	66.7	30%	20.0		
Corridor Beautification	Secondary: includes sidewalks	cludes sidewalks Medium 66.7 30%		20.0			
Right of Way Sufficiency	No additional ROW needed	High	High 100 40%		40.0		
		Total Community and Nature Score			80.0		

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	l Classification Urban Collector		33.3	20%	6.7		
Plan Coordination	Plan Coordination Plans: Amherst County Comp Plan		66.7	38%	25.3		
Distribution of Benefits Amherst County		Low	33.3	42%	14.0		
			Total Operationa	Efficiency Score	46.0		

			Vision Theme		Points	Weight	Score
			Mobility and Acce	ssibility	40.0	20%	8.0
			Safety		59.3	25%	14.8
	Total Benefit Score		Economy		43.7	25%	10.9
			Community and N	ature	80.0	15%	12.0
			Operational Efficie	ency	46.0	15%	6.9
					Total Proje	ect Benefit Score	52.6
	Benefit Score	52.6	1		NEPA Screening		0
Reposit Cost	Estimated Cost	\$7,202,500		- I'		Right of Way Acquisition	
Benefit-Cost	Estimated Users	1000	1	Readiness	Ongoing Project		0
Calculation	Benefit-Cost Score	Score 7.31		Calculation	Readiness Score		1
	Benefit-Cost Rating	Low	1		Readiness Rating		Low

Project	Number	45	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)
Amherst County	Rive	er Rd	685	NS Rai	lroad	Rt	163	2.5
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$21,4	59,500
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto	, Bike	Streetscaping	None
Project Benefit	t Score	48.9	Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation							

Vision Theme: Mobility and Accessibility				
Dec. 1	Distant and	-		

Category	Result		Points	Weight	Score
Congestion	2040 V/C: 0.36		33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 60 vph		33.3	23%	7.7
Freight	Truck Volume: 0.55%	Low	33.3	20%	6.7
Alternative Transportation Adds bike lanes		Medium	66.7	20%	13.3
		Tota	Total Mobility and Accessibility Score		40.0

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 1.2 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Separates modes of travel	High	100 39%		39.0		
			Т	otal Safety Score	59.3		

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Not a primary commuter corridor Low 33.3 44%		14.7		
Employment Density	Less than 1 job per acre	Low	33.3 31%		10.3	
			Tota	33.3		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 7	Low	33.3	30%	10.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
		Total Community and Nature Score			60.0		

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Collector	Low	33.3	20%	6.7			
Plan Coordination	Recommended in CVMPO Bike Plan, Amherst County Comp Plan	High	100	38%	38.0			
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0			
		Total Operational Efficiency Score			58.6			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
	Safety	59.3	25%	14.8
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	60.0	15%	9.0
	Operational Efficiency	58.6	15%	8.8
		Total Proj	ect Benefit Score	48.9

	Benefit Score	48.9
Benefit-Cost	Estimated Cost	\$21,459,500
	Estimated Users	2883
Calculation	Benefit-Cost Score	6.58
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	46	Category	Roadway Rec	onstruction	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
Amherst County	Rive	er Rd	685	Rt 1	Rt 130 NS		NS Railroad	
Proposed Im	Proposed Improvement			2 lane roadway		Est. Cost	\$26,8	77,000
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto	, Bike	Streetscaping	None
Project Benefit Score 50.4			Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

vision meme. wobility and Accessibility						
Category	Result Rating Points Weight		Score			
Congestion	2040 V/C: 0.18	Low	33.3	37%	12.3	
Traffic Volume	2040 Weighted Traffic Flow: 36 vph	Low	33.3	23%	7.7	
Freight	Truck Volume: 0.55%	Low	33.3	20%	6.7	
Alternative Transportation	Adds bicycle lanes	Medium 66.7 20%		13.3		
Total Mobility and Accessibility Score					40.0	

Vision Theme: Safety							
Category Result Rating Points Weight							
Accident Rate	2011-2013: 2.1 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Seperates modes of travel	High	100 39% 39		39.0		
			Т	otal Safety Score	59.3		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3 44%		14.7		
Employment Density	Less than 1 job per acre	Low	33.3 31% 10		10.3		
			Tota	33.3			

Vision Theme: Community and Nature							
Category	egory Result Rating Points Weight						
Cultural and Env. Resources	Resource Score: 10	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High 100 40%		40.0			
	Total Community and Nature Score				70.0		

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7		
Plan Coordination	Included in CVMPO Bike Plan, Amherst County Comp Plan	High	100	38%	38.0		
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0		
Total Operational Efficiency Score							
Vision Theme Points Weight							

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
	Safety	59.3	25%	14.8
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	58.6	15%	8.8
		Total Proje	ect Benefit Score	50.4

	Benefit Score	50.4
Benefit-Cost	Estimated Cost	\$26,877,000
	Estimated Users	1707
Calculation	Benefit-Cost Score	3.20
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	47	Category	Roadway Rec	construction Proje		ct List	Vision		
Jurisdiction	Route Name		Route Number	Fro	m	То		Length (mi)		
Amherst County	Winrie	dge Rd	795	Rt 1	30	0 Rt (Rt 675		1.25
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$9,42	9,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	ıto	Streetscaping	None		
Project Benefit Score 45.5		Project Benefi	efit-Cost Rating Low		OW Project Readiness Rating		Low			
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									

Vision Theme: Mobility and Accessibility						
Category	Result	Rating	Points	Weight	Score	
Congestion	2040 V/C: 0.26	Low	33.3	37%	12.3	
Traffic Volume	2040 Weighted Traffic Flow: 54 vph	Low	33.3	23%	7.7	
Freight	Truck Volume: 1.32%	Low	33.3	20%	6.7	
Alternative Transportation	None included	Low	33.3	20%	6.7	
		Total Mobility and Accessibility Score			33.3	

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 3.2 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46.3	

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Total Economy Score		33.3

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			80.0	

Vision Theme: Operational	Efficiency			
Result	Rating	Points	Weight	Score
Rural Major Collector	Low	33.3	20%	6.7
Recommended in Amherst County Comp Plan	Medium	66.7	38%	25.3
Amherst County	Low	33.3	42%	14.0
		Total Operational	Efficiency Score	46.0
Vision Theme		Points	Weight	Score
Mobility and Accessibility		33.3	20%	6.7
	Result Rural Major Collector Recommended in Amherst County Comp Plan Amherst County Vision Theme	Rural Major Collector Low Recommended in Amherst County Comp Plan Medium Amherst County Low	Result Rating Points Rural Major Collector Low 33.3 Recommended in Amherst County Comp Plan Medium 66.7 Amherst County Low 33.3 Total Operational	ResultRatingPointsWeightRural Major CollectorLow33.320%Recommended in Amherst County Comp PlanMedium66.738%Amherst CountyLow33.342%Total Operational Efficiency ScoreVision ThemePointsWeight

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	46.0	15%	6.9
		Total Proje	Total Project Benefit Score	

	Benefit Score	45.5	
Benefit-Cost	Estimated Cost	\$9,429,000	
	Estimated Users	2588	
Calculation	Benefit-Cost Score	12.48	
	Benefit-Cost Rating	Low	

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project N	lumber	48	Category	New Ro	adway	Proje	ct List	Vision	
Jurisdiction	Route	Name	Route Number	Fro	m	n To		Length (mi)	
Amherst County	(New	Road)		South Amherst Highway (US 29 Bus)		Ğ , Fernwood Dr		0.62	
Proposed Imp	orovement		New 2 lane c	onnector road	Est. Cost \$6,2		Est. Cost \$6,23		
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, Bike, Ped Streetscap		Streetscaping	Secondary	
Project Benefit	Score	47.6	Project Benefit	t-Cost Rating	Low Project Read		ess Rating	Low	
	Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category			Result		Rating	Points	Weight	Score	
Congestion			2040 V/C: NA		Low	33.3	37%	12.3	
Traffic Volume		2040 V	Veighted Traffic F	low: NA	Low	33.3	23%	7.7	

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: NA	Low	33.3	61%	20.3	
Safety Features	Separates modes of travel	High	100	39%	39.0	
			Т	otal Safety Score	59.3	
Vision Theme: Economy						

Low

High

33.3

100

Total Mobility and Accessibility Score

20%

20%

6.7

20.0

46.6

Truck Volume: NA

Adds bike lanes, sidewalks

Category	Result	Rating	Points Weight		Score
Economic Development Plans	Local economic development strategy	Medium	66.7	25%	16.7
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Total Economy Score		41.7

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0	
Corridor Beautification	Includes sidewalk space	Medium	66.7	30%	20.0	
Right of Way Sufficiency	Significant additional ROW needed	Low	33.3	40%	13.3	
		Total Community and Nature Score			53.3	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Not classified	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Amherst County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	33.3
	Vision Theme		Points	Weight	Score
	Mobility and Ad	cessibility	46.6	20%	93

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	46.6	20%	9.3
	Safety	59.3	25%	14.8
	Economy	41.7	25%	10.4
	Community and Nature	53.3	15%	8.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	47.6

	Benefit Score	47.6
Benefit-Cost Calculation	Estimated Cost	\$6,232,000
	Estimated Users	1000
	Benefit-Cost Score	7.63
	Benefit-Cost Rating	Low

Freight

Alternative Transportation

Readiness	NEPA Screening Right of Way Acquisition	0
Calculation	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	49	Category	Access Managen	nent and Safety	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
Bedford County	Fore	st Rd	221	Gristmill Dr	⁻ (Rt 1426)	Graves Mill	Rd (Rt 126)	0.2
Proposed Improvement Access Management and Intersection Improvements Est. Cost \$3,140,000						0,000		
Capacity/ Traffic Ops	Improves Traffic Ops	Safety Priority	Primary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 82.8								
Project Benefi	t Score	82.8	Project Benefit	t-Cost Rating	High	Project Readin	ess Rating	Medium
Project benefi	t Score	82.8	Bene	t-Cost Rating fit Score Calcul me: Mobility and A	ation	Project Readin	ess Rating	Medium
Category	t Score	82.8	Bene	fit Score Calcul	ation	Project Readin	ess Rating Weight	Medium
	t Score	82.8	Bene Vision Ther	fit Score Calcul me: Mobility and A	ation Accessibility			
Category	t Score		Bene Vision Ther Result	fit Score Calcul me: Mobility and A	ation accessibility Rating	Points	Weight	Score
Category Congestion	t Score	2040 We	Bene Vision Ther Result 2040 V/C: 1.10	fit Score Calcul me: Mobility and A w: 456 vph	ation Accessibility Rating High	Points 100	Weight 37%	Score 37.0
Category Congestion Traffic Volume		2040 We	Bene Vision Ther Result 2040 V/C: 1.10 ighted Traffic Flo	fit Score Calcul me: Mobility and A w: 456 vph	ation accessibility Rating High High	Points 100 100	Weight 37% 23%	Score 37.0 23.0

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 170 accidents per mile	High	100	61%	61.0
Safety Features	Primary: Access mgmt and intersection design	High	100	39%	39.0
			Т	otal Safety Score	100.0

Vision Theme: Economy						
Category Result Rating Points Weight Score						
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0	
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7	
Total Economy Score			73.0			

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0
Corridor Beautification	No streetscaping features	Low	66.7	30%	20.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
Total Community and Nature Score			90.0		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Rt 221 Corridor Plan	Medium	66.7	38%	25.3
Distribution of Benefits	Bedford County, City of Lynchburg	Medium	66.7	42%	28.0
			Total Operationa	Efficiency Score	66.7
	Vision Theme		Points	Weight	Score

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	80.0	20%	16.0
	Safety	100.0	25%	25.0
	Economy	73.0	25%	18.3
	Community and Nature	90.0	15%	13.5
	Operational Efficiency	66.7	15%	10.0
		Total Proje	ect Benefit Score	82.8

	Benefit Score	82.8
Benefit-Cost Calculation	Estimated Cost	\$3,140,000
	Estimated Users	43743
	Benefit-Cost Score	1152.88
	Benefit-Cost Rating	High

	NEPA Screening	1
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	2
	Readiness Rating	Medium

Project Number		50	50 Category Access Mgmt and Safet		and Safety	afety Project List		Vision
				, ,				
Jurisdiction	Route	Name	Route Number	Fro	m	т	о	Length (mi)
Bedford County	E Lynchbւ Turn	•	460	Goode Rd	(Rt 668)		erson Rd (Rt 1)	2.8
Proposed Impr	rovement	Construct p	paved shoulde	r and access m	anagement	Est. Cost	\$6,00	0,000
Capacity/ In Traffic Ops	nproves Traffic Ops	Safety Priority	Primary	Modes Served	A	uto	Streetscaping	None
Project Benefit S	Score	64.7	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	Low
			Bene	fit Score Calcul	ation			
			Vision The	me: Mobility and A	ccessibility			
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 0.38		Low	33.3	37%	12.3
Traffic Volume 2040 We		Weighted Traffic Flow: 285		Medium	66.7	23%	15.3	
Freight T		ruck Volume: 10.4	15%	High	100	20%	20.0	
Alternative Transportation			None included		Low	33.3	20%	6.7
					Tota	al Mobility and A	ccessibility Score	54.3
			v	ision Theme: Safet	Ξγ			
Category			Result		Rating	Points	Weight	Score
Accident Rate		2011-20	13: 25.4 accident	s per mile	Medium	66.7	61%	40.7
Safety Features		Primary: Ac	Primary: Access mgmt and paved shoulder		High	100	39%	39.0
						Т	otal Safety Score	79.7
			Vis	ion Theme: Econo	my			
Category			Result		Rating	Points	Weight	Score
Economic Develop	ment Plans	Improves Co	rridor of Statewic	de Significance	Medium	66.7	25%	16.7
Commuter Travel		Primary comm	nuter corridor wit	hout congestion	Medium	66.7	44%	29.3
Employment Densi	ity	Le	ss than 1 job per	acre	Low	33.3	31%	10.3
						Tota	l Economy Score	56.3
			Vision The	eme: Community a	nd Nature			
Category			Result		Rating	Points	Weight	Score
Cultural and Env. R	Resources		Resource Score: 1	10	Medium	66.7	30%	20.0
Corridor Beautifica	ation	No	streetscaping fea	tures	Low	33.3	30%	10.0
Right of Way Suffic	riency	No a	additional ROW n	eeded	High	100	40%	40.0

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	Rural Other Principle Arterial	High	100	20%	20.0		
Plan Coordination	Not recommended in other plans			38%	0.0		
Distribution of Benefits	Regional corridor	High	100	42%	42.0		
			Total Operationa	l Efficiency Score	62.0		
	Vision Theme	heme Points Weight		Score			
	Mobility and Ac	cessibility	54.3	20%	10.9		
	Safaty		70.7	250/	10.0		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	54.3	20%	10.9
	Safety	79.7	25%	19.9
Total Benefit Score	Economy	56.3	25%	14.1
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	62.0	15%	9.3
		Total Proje	Total Project Benefit Score	

Benefit-Cost	Benefit Score	64.7	
	Estimated Cost	\$6,000,000	
	Estimated Users	27398	
Calculation	Benefit-Cost Score	295.32	
	Benefit-Cost Rating	High	

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Total Community and Nature Score

Project	Number	51	Category	Roadway Red	construction	Project List		Vision		
Jurisdiction	Route	Name	Route From Number		From		From		То	
Bedford County	Boonst	ooro Rd	501	Winding Creek Ln (Rt 647)				0.3		
Proposed Im	Proposed Improvement Relocate intersection, construct turn lane Est. Cost \$8,000,000					0,000				
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Αι	uto	Streetscaping	None		
Project Benefit	Project Benefit Score 56.9 P			t-Cost Rating	Medium	Project Readin	ess Rating	Low		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.2	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 110 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 3.2%	Medium	66.7	20%	13.3
Alternative Transportation	None included	Low	33.3	20%	6.7
		Total Mobility and Accessibility Score			40.0

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 3 accidents per mile	Low	33.3	61%	20.3
Safety Features	Primary: Intersection Safety Design	High	100	39%	39.0
			Т	otal Safety Score	59.3

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Recommended in Region 2000 CEDS	High	100	25%	25.0	
Commuter Travel Primary commuter corridor without congestion		Medium	66.7	44%	29.3	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
			Total Economy Score		64.7	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7	
		Total Community and Nature Score			66.7	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Rural Minor Arterial	Medium	66.7	20%	13.3	
Plan Coordination	Recommended in Region 2000 CEDS	Medium	66.7	38%	25.3	
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0	
			Total Operational	Efficiency Score	52.7	
Vision Theme Points Weight					Score	

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	40.0	20%	8.0
	Safety	59.3	25%	14.8
	Economy	64.7	25%	16.2
	Community and Nature	66.7	15%	10.0
	Operational Efficiency	52.7	15%	7.9
		Total Proje	Total Project Benefit Score	

Benefit-Cost	Benefit Score	56.9
	Estimated Cost	\$8,000,000
	Estimated Users	6635
Calculation	Benefit-Cost Score	47.19
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	52	Category	Roadway Reconstruction		Project List		Vision
Jurisdiction	on Route Name		Route Number	Fro	m	То		Length (mi)
Bedford County	Cottont	own Rd	621	Hooper Rd (Rt 662)		52) Hawkins Mill Rd (Rt 660		1.7
Proposed Im	Proposed Improvement Reconstruct 2 lane roadway Est. Cost \$12,793,00					93,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 42.1 Project			Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Points	Weight	Score	
Congestion	2040 V/C: 0.34	Low	33.3	37%	12.3	
Traffic Volume	2040 Weighted Traffic Flow: 80 vph	Low	33.3	23%	7.7	
Freight	Truck Volume: 0.37%	Low	33.3	20%	6.7	
Alternative Transportation	None included	Low	33.3	20%	6.7	
		Total Mobility and Accessibility Score				

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 6.5 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46.3	

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	Less than 1 job per acre	Low	33.3 31% 10.3		10.3		
			Tota	33.3			

Vision Theme: Community and Nature							
Category	ry Result Rating Points Weight						
Cultural and Env. Resources	Resource Score: 8	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
		Total Community and Nature Score					

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Collector	Low	33.3	20%	6.7	
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7	
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0	
			Total Operationa	l Efficiency Score	33.3	
	a set to most					

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	42.1

	Benefit Score	42.1
Benefit-Cost	Estimated Cost	\$12,793,000
	Estimated Users	3819
Calculation	Benefit-Cost Score	12.56
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	53	Category	Roadway Rec	construction Proje		ct List	Vision
Jurisdiction	Route Name		Route Number	Fro	m 1		ō	Length (mi)
Bedford County	Cottont	own Rd	621 Coffee Rd (Rt 644)		Coffee Rd (Rt 644)		d (Rt 662)	4.0
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$28,60	50,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 43.6 Project Benefit				t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Result Rating Points Weight			
Congestion	2040 V/C: 0.28	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 68 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 0.37% Low 33.3		33.3	20%	6.7
Alternative Transportation	None included	Low	33.3	20%	6.7
Total Mobility and Accessibility Score				33.3	

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 1 accident per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46.3	

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Tota	l Economy Score	33.3

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
Total Community and Nature Score				80.0	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Minor Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0
			Total Operationa	l Efficiency Score	33.3
	Mision Thomas		Deinte	Maisht	Casara

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	43.6

	Benefit Score	43.6
Benefit-Cost	Estimated Cost	\$28,660,000
	Estimated Users	3286
Calculation	Benefit-Cost Score	4.99
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Bedford Wat County Wat Proposed Improvement Capacity/ Increases capacity roject Benefit Score ategory ongestion raffic Volume reight Iternative Transportation ategory ccident Rate	2040 We	Primary Project Benefi Bene Vision The Result 2040 V/C: 1.03 righted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	efit Score Calcul me: Mobility and A 3 ow: 311 vph 96%	erson Rd (Rt 1) Auto, E Medium ation accessibility Rating Medium High Low High	Campbell (Lir Est. Cost Bike, Ped Project Readin Points 66.7 100 33.3 100	Weight 37% 23% 20% 20%	Secondary Low 24.7 23.0 6.7 20.0
County Wat roposed Improvement Capacity/ Increases	60.7	Widen Primary Project Benefi Bene Vision The Result 2040 V/C: 1.03 ighted Traffic Flo ruck Volume: 1.5 ds bike lanes, side	81: to 4 lanes Modes Served it-Cost Rating efit Score Calcul me: Mobility and A sow: 311 vph 96%	1) Auto, E Medium ation accessibility Rating Medium High Low High	Lir Est. Cost Bike, Ped Project Readin Points 66.7 100 33.3 100	mits \$19,21 Streetscaping mess Rating Weight 37% 23% 20% 20%	11,500 Secondary Low 24.7 23.0 6.7 20.0
Capacity/ Traffic Ops Increases capacity roject Benefit Score ategory ongestion raffic Volume reight Iternative Transportation ategory ccident Rate	60.7	Primary Project Benefi Bene Vision The Result 2040 V/C: 1.03 righted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	Modes Served it-Cost Rating efit Score Calcul me: Mobility and A sow: 311 vph 96%	Medium ation accessibility Rating Medium High Low High	Project Readin Project Readin 66.7 100 33.3 100	Streetscaping Mess Rating Weight 37% 23% 20% 20%	Secondary Low 24.7 23.0 6.7 20.0
Traffic Ops capacity roject Benefit Score ategory ongestion raffic Volume reight Iternative Transportation ategory ccident Rate	60.7	Project Benefi Bene Vision The Result 2040 V/C: 1.03 righted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	it-Cost Rating efit Score Calcul eme: Mobility and A sow: 311 vph 96%	Medium ation accessibility Rating Medium High Low High	Project Readin Points 66.7 100 33.3 100	Weight 37% 23% 20% 20%	Low Score 24.7 23.0 6.7 20.0
ategory ongestion raffic Volume reight Iternative Transportation ategory accident Rate	2040 We	Bene Vision The Result 2040 V/C: 1.03 ighted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	efit Score Calcul me: Mobility and A 3 ow: 311 vph 96%	ation accessibility Rating Medium High Low High	Points 66.7 100 33.3 100	Weight 37% 23% 20% 20%	Score 24.7 23.0 6.7 20.0
ongestion raffic Volume reight Iternative Transportation ategory ccident Rate	т	Vision The Result 2040 V/C: 1.03 righted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	eme: Mobility and A 3 ow: 311 vph 96%	Accessibility Rating Medium High Low High	66.7 100 33.3 100	37% 23% 20% 20%	24.7 23.0 6.7 20.0
ongestion raffic Volume reight Iternative Transportation ategory ccident Rate	т	Result 2040 V/C: 1.03 ighted Traffic Flo Truck Volume: 1.9 ds bike lanes, side	3 96%	Rating Medium High Low High	66.7 100 33.3 100	37% 23% 20% 20%	24.7 23.0 6.7 20.0
ongestion raffic Volume reight Iternative Transportation ategory accident Rate	т	2040 V/C: 1.03 ighted Traffic Flo ruck Volume: 1.9 ds bike lanes, side	ow: 311 vph 96%	Medium High Low High	66.7 100 33.3 100	37% 23% 20% 20%	24.7 23.0 6.7 20.0
raffic Volume reight Iternative Transportation ategory ccident Rate	т	ighted Traffic Flc ruck Volume: 1.9 Is bike lanes, side	ow: 311 vph 96%	High Low High	100 33.3 100	23% 20% 20%	23.0 6.7 20.0
reight Iternative Transportation ategory ccident Rate	т	ruck Volume: 1.9	96%	Low High	33.3 100	20% 20%	6.7 20.0
Iternative Transportation ategory ccident Rate		ls bike lanes, side		High	100	20%	20.0
ategory ccident Rate	Add		ewalks	0			
ccident Rate				Tota	al Mobility and A	ccossibility Scoro	74.0
ccident Rate				Total Mobility and Accessibility Scor			74.3
ccident Rate		۱	/ision Theme: Safet	ty			
ccident Rate		Result		Rating	Points	Weight	Score
	2011-2	013: 20 accident	s per mile	Medium	66.7	61%	40.7
		Primary: separates travel modes		High	100	39%	39.0
				0	T	otal Safety Score	79.7
		Vi	sion Theme: Econo	mv			<u></u>
ategory		Result		Rating	Points	Weight	Score
conomic Development Plans	Not incl	luded in recomm	endations	Low	33.3	25%	8.3
ommuter Travel	Not a p	Not a primary commuter corridor		Low	33.3	44%	14.7
mployment Density	Le	ss than 1 job per	acre	Low	33.3	31%	10.3
					Tota	al Economy Score	33.3
		Vision Th	eme: Community a	nd Nature			
ategory		Result		Rating	Points	Weight	Score
ultural and Env. Resources		Resource Score:	13	High	100	30%	30.0
orridor Beautification	In	cludes sidewalk	area	Medium	66.7	30%	20.0
ight of Way Sufficiency	Signifi	icant right of way	/ needed	Low	33.3	40%	13.3
		_ /		То	otal Community	and Nature Score	63.3

Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County, Campbell County	Medium	66.7	42%	28.0
Total Operational Efficiency Score			54.0		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	74.3	20%	14.9
	Safety	79.7	25%	19.9
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	54.0	15%	8.1
		Total Proje	ect Benefit Score	60.7

	Benefit Score	60.7
Benefit-Cost	Estimated Cost	\$19,211,500
	Estimated Users	14920
Calculation	Benefit-Cost Score	47.15
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	55	Category	Roadway Rec	construction	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
Bedford County	Evere	ett Rd	622	Kensingto	on Pkwy	vy Gladden Cir (2.0
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$14,33	30,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit	Project Benefit Score 42.1 F		Project Benefi	efit-Cost Rating Low		Project Readiness Rating		Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Vision Theme: Wobility and Accessibility								
Category	Result	Rating	Points	Weight	Score			
Congestion	2040 V/C: 0.09	Low	33.3	37%	12.3			
Traffic Volume	2040 Weighted Traffic Flow: 25 vph	Low	33.3	23%	7.7			
Freight	Truck Volume: NA	Low	33.3	20%	6.7			
Alternative Transportation	None included	Low	33.3	20%	6.7			
		Total Mobility and Accessibility Score			33.3			

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 1 accident per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	46.3		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Total Economy Score		33.3		

Vision Theme: Community and Nature							
Category	Result	Result Rating Points Weight		Score			
Cultural and Env. Resources	Resource Score: 9	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
		Total Community and Nature Score			70.0		

Vision Theme: Operational Efficiency							
Category	Result Rating Points Weight		Score				
Functional Classification	Local Road	Low	33.3	20%	6.7		
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7		
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0		
			Total Operational Efficiency Score		33.3		

	Vision Theme	Points	Weight	Score	
	Mobility and Accessibility	33.3	20%	6.7	
	Safety	46.3	25%	11.6	
Total Benefit Score	Economy	33.3	25%	8.3	
	Community and Nature	70.0	15%	10.5	
	Operational Efficiency	33.3	15%	5.0	
		Total Proje	Total Project Benefit Score		

	Benefit Score	42.1
Benefit-Cost	Estimated Cost	\$14,330,000
Calculation	Estimated Users	900
Calculation	Benefit-Cost Score	2.64
	Benefit-Cost Rating	Low

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project I	Number	56	Category	Roadway Rec	construction	Proje	Project List			
Jurisdiction	Route	Name	Route Number	Fro	m To		ō	Length (mi)		
Bedford County	Turkey	Foot Rd	623	Thomas Jeffe 81			, ,	1.2		
Proposed Imp	provement		Widen pave	ment to 24 ft	Est. Cost \$9,030		Est. Cost \$9,03		Est. Cost \$9,03	
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	A	uto	Streetscaping	None		
Project Benefit	t Score	46.7	Project Benefi	t-Cost Rating	Low Project Read		ess Rating	Low		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									
Category R		Result		Rating	Points	Weight	Score			
Congestion			2040 V/C: 0.15		Low	33.3	37%	12.3		
Traffic Volume		2040 We	eighted Traffic Flo	ow: 31 vph	Low	33.3	23%	7.7		

	Total Mobility and Accessibility Score				33.3		
Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 2.5 accidents per mile	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	46.3		

Truck Volume: NA

None included

Low

Low

33.3

33.3

20%

20%

6.7

6.7

	Vision Theme: Eco	nomy			
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Tota	l Economy Score	33.3

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
		Тс	otal Community a	nd Nature Score	80.0

	v	ision Theme: Operation	al Efficiency			
Category	Re	sult	Rating	Points	Weight	Score
Functional Classification	Urban Mi	nor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommend	led in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County,	Campbell County	Medium	66.7	42%	28.0
				Total Operational	Efficiency Score	54.0
		Vision Theme		Points	Weight	Score
		Mobility and Ad	cessibility	33.3	20%	6.7
		Safety		46.3	25%	11.6
Total Ben	efit Score	Economy		33.3	25%	8.3

Community and Nature

Operational Efficiency

	Benefit Score	46.7
Benefit-Cost	Estimated Cost	\$9,030,000
	Estimated Users	1472
Calculation	Benefit-Cost Score	7.61
	Benefit-Cost Rating	Low

Freight

Alternative Transportation

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

80.0

54.0

15%

15%

Total Project Benefit Score

12.0

8.1

Project	Number	57	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
Bedford County	Coffe	ee Rd	644	Elk Valley Ro	d (Rt 665N)	Lynchburg	Corp Limit	6.3
Proposed Im	provement		Reconstruct 2	2 lane roadway Est. Cost \$45,140,500			40,500	
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit	t Score	45.5	Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category			Result				Score	

category	nesur	nating	1 onnes	Weight .	30010
Congestion	2040 V/C: 0.27	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 69 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 2.29%	Medium	66.7	20%	13.3
Alternative Transportation	None included	Low	33.3	20%	6.7
		Tota	I Mobility and Ad	cessibility Score	40.0

	Vision Theme: Safe	ty			
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 1.1 accidents per mile	Low	33.3	61%	20.3
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			Т	otal Safety Score	46.3

	Vision Theme: Econ	omy			
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Tota	l Economy Score	33.3

	Vision Theme: Community a	ind Nature			
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 9	Medium	66.7	30%	20.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
		То	otal Community a	nd Nature Score	70.0

	Vision Theme: Operation	al Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County, City of Lynchburg	Medium	66.7	42%	28.0
			Total Operational	Efficiency Score	47.3
	Vision Theme		Points	Weight	Score
	Mobility and Ac	cessibility	40.0	20%	8.0
	Safety		46.3	25%	11.6

Economy

Community and Nature

Operational Efficiency

	Benefit Score	45.5
Benefit-Cost	Estimated Cost	\$45,140,500
	Estimated Users	3330
	Benefit-Cost Score	3.36
	Benefit-Cost Rating	Low

Total Benefit Score

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

25%

15%

15%

Total Project Benefit Score

33.3

70.0

47.3

8.3

10.5

7.1

Project	Number	58	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	Route	Route Name		Fro	m	То		Length (mi)
Bedford County	Hawkins	s Mill Rd	659	Old Farm Rd (Rt 660)		Lynchburg Corp Limits		1.3
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$9,78	3,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit	Project Benefit Score 45.7		Project Benefi	t-Cost Rating	Low	Project Readin	ess Rating	Low
Benefit Score Calculation Vision Theme: Mobility and Accessibility								

Category	Result		Points	Weight	Score
Congestion	2040 V/C: 0.19	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 44 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 0.67%	Low	33.3	20%	6.7
Alternative Transportation None included		Low	33.3	20%	6.7
		Total Mobility and Accessibility Score			

Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 1.5 accidents per mile	Low	33.3	61%	20.3			
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0			
			Т	46.3				

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3			
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7			
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3			
			Total Economy Score		33.3			

Vision Theme: Community and Nature								
Category	Result Rating Points Weight		Score					
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0			
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0			
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0			
		Total Community and Nature Score			80.0			

	Vision Theme: Operation	al Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County, City of Lynchburg	Medium	66.7	42%	28.0
			Total Operationa	Efficiency Score	47.3
	Vision Theme	Theme Points Weight		Score	
	Mobility and Ac	cossibility	22.2	200/	67

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	47.3	15%	7.1
		Total Proj	Total Project Benefit Score	

	Benefit Score	45.7
Benefit-Cost	Estimated Cost	\$9,783,000
Calculation	Estimated Users	2095
Calculation	Benefit-Cost Score	9.78
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	59	Category	Roadway Rec	onstruction	Project List		nstruction Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)		
Bedford County	Perrow	ville Rd	663	Quail Ridge Rd (Rt 1431)		Coffee Rd (Rt 644)		2.1		
Proposed Im	provement		Reconstruct 2	2 lane roadway		Est. Cost	\$15,04	47,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto		Streetscaping	None		
Project Benefit	Project Benefit Score 42.1		Project Benefit-Cost Rating Low		Low	Low Project Readiness Rating		Low		
Benefit Score Calculation Vision Theme: Mobility and Accessibility										

vision meme, wobility and Accessionity								
Category	Result	Rating	Points	Weight	Score			
Congestion	2040 V/C: 0.26	Low	33.3	37%	12.3			
Traffic Volume	2040 Weighted Traffic Flow: 73 vph	Low	33.3	23%	7.7			
Freight	Truck Volume: 1.22%	Low	33.3	20%	6.7			
Alternative Transportation	None included	Low	33.3	20%	6.7			
		Total Mobility and Accessibility Score			33.3			

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 1.9 accidents per mile	Low	33.3	61%	20.3
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			Т	otal Safety Score	46.3

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
Total Economy Score			33.3		

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 10	Medium	66.7	30%	20.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0
Total Community and Nature Score				70.0	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	33.3
	Vision Theme		Points	Weight	Score

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	33.3	20%	6.7
	Safety	46.3	25%	11.6
	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	42.1

	Benefit Score	42.1
Benefit-Cost	Estimated Cost	\$15,047,000
	Estimated Users	3520
Calculation	Benefit-Cost Score	9.84
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
Calculation	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	60	Category	Roadway Capad	city Expansion	Proje	ect List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	٦	Го	Length (mi)
Bedford County	Thomas Je	efferson Rd	811	Forest Rd	(Rt 221)	Waterlick	Rd (Rt 622)	1.6
Proposed Im	provement		Widen	to 4 lanes		Est. Cost	\$34,15	53,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, I	Bike, Ped	Streetscaping	Secondary
Project Benefit	t Score	59.6	Project Benefi	t-Cost Rating	Medium	Project Reading	ness Rating	Low
				fit Score Calcul				
0.1				me: Mobility and A	•	Del de	Mr. taka	6
Category Congestion			Result		Rating	Points 100	Weight 37%	Score 37.0
Traffic Volume		2040 V/C: 1.24		High High	100	23%	23.0	
Freight			2040 Weighted Traffic Flow: 348 vph Truck Volume: 1.44%		Low	33.3	23%	6.7
Alternative Tran	sportation				High	100	20%	20.0
Alternative fram	sportation	Add	13 DIRE laries, side	Walks	-		ccessibility Score	86.7
			_				second states and second	00.7
				ision Theme: Safe	•			
Category			Result		Rating	Points	Weight	Score
Accident Rate			13: 26.3 accident	•	Medium	66.7	61%	40.7
Safety Features		Primar	y: Separates trav	el modes	High	100	39%	39.0
							otal Safety Score	79.7
			Vis	sion Theme: Econo	my			
Category			Result		Rating	Points	Weight	Score
Economic Develo	pment Plans	Not incl	uded in recomm	endations	Low	33.3	25%	8.3
Commuter Trave	1	Not a p	rimary commute	r corridor	Low	33.3	44%	14.7
Employment Der	nsity	Le	ss than 1 job per	acre	Low	33.3	31%	10.3
						Tota	al Economy Score	33.3

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 10	Medium	66.7	30%	20.0
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3
Total Community and Nature Score				53.3	

	Vision Theme: Operation	al Efficiency			
Category	Result	sult Rating		Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0
		Ť		Efficiency Score	40.0
	Vision Theme		Points	Weight	Score
	Mobility and Ac	cessibility	86.7	20%	17.3
	Safety		79.7	25%	19.9

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	86.7	20%	17.3
	Safety	79.7	25%	19.9
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	53.3	15%	8.0
	Operational Efficiency	40.0	15%	6.0
		Total Project Benefit Score		59.6

	Benefit Score	59.6
Benefit-Cost	Estimated Cost	\$34,153,000
	Estimated Users	16682
Calculation	Benefit-Cost Score	29.10
	Benefit-Cost Rating	Medium

Readiness	NEPA Screening	0	
	Right of Way Acquisition	0	
	Ongoing Project	0	
Calculation	Readiness Score	0	
	Readiness Rating	Low	

Project Number 61		61	Category	Roadway Capacity Expansion		Project List		Vision
Jurisdiction	Route	Name Route Fro		m	То		Length (mi)	
Bedford County	Thomas Jefferson Rd		811	Waterlick Rd (Rt 622)		Great Oak Rd (Rt 704)		2.3
Proposed Improvement Wid		Widen t	o 4 lanes	Est. Co		\$49,09	95,000	
Capacity/ Traffic Ops	Increase capacity	Safety Priority	Primary	Modes Served	Auto, Bike, Ped		Streetscaping	Secondary
Project Benefit Sc	ore	52.1	Project Benefi	t-Cost Rating	Low Project Readiness Rating		ness Rating	Low
				fit Score Calcul				
				me: Mobility and A	ccessibility			
Category		Result		Rating	Points	Weight	Score	
Congestion		2040 V/C: 0.72		Low	33.3	37%	12.3	
Traffic Volume		2040 Weighted Traffic Flow: 199		Medium	66.7	23%	15.3	
reight		Truck Volume: 1.45%		Low	33.3	20%	6.7	
Alternative Transpo	ortation	Adds bike lanes, sidewalks		High	100	20% Accessibility Score	20.0 54.3	
						an wooning and P	accessibility score	54.5
			v	ision Theme: Safet	Ŷ			
Category	ategory Result		Rating	Points	Weight	Score		
Accident Rate		2011-2013: 10.4 accidents per mile		Medium	66.7	61%	40.7	
Safety Features Primary: separates tra		y: separates trave	el modes	High	100	39%	39.0	
							otal Safety Score	79.7
			Vis	ion Theme: Econor	my			
Category			Result		Rating	Points	Weight	Score
conomic Developm	nent Plans	Not incl	Not included in recommendations		Low	33.3	25%	8.3
Commuter Travel		Not a primary commuter corridor		r corridor	Low	33.3	44%	14.7
Employment Density	у	Less than 1 job per acre		Low	33.3	31%	10.3	
						Tot	al Economy Score	33.3
			Vision The	eme: Community a	nd Nature			
Category			Result		Rating	Points	Weight	Score
Cultural and Env. Re	sources		Resource Score: 11		Medium	66.7	30%	20.0
Corridor Beautificati	ion	Includes sidewalk area		Medium	66.7	30%	20.0	
		ight of Way Sufficiency Significant additional right of way needed						

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0
Total Operational Efficiency Score					33.3
	Vision Theme		Points	Weight	Score

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	54.3	20%	10.9
	Safety	79.7	25%	19.9
	Economy	33.3	25%	8.3
	Community and Nature	53.3	15%	8.0
	Operational Efficiency	33.3	15%	5.0
		Total Proj	Total Project Benefit Score	

Benefit-Cost	Benefit Score	52.1
	Estimated Cost	\$49,095,000
	Estimated Users	9575
	Benefit-Cost Score	10.16
	Benefit-Cost Rating	Low

	NEPA Screening	0	
Readiness	Right of Way Acquisition	0	
	Ongoing Project	0	
Calculation	Readiness Score	0	
	Readiness Rating	Low	

Project N	Number	62	Category	Roadway Capa	Roadway Capacity Expansion		Project List	
Jurisdiction	Route	Name	Route Number	From		То		Length (mi)
Bedford County	Thomas Je	efferson Rd	811	Great Oak F	Rd (Rt 704) US 460		1.2	
Proposed Imp	provement		Widen t	o 4 lanes		Est. Cost	\$25,61	15,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, I	Bike, Ped	Streetscaping	Secondary
Project Benefit	Score	52.1	Project Benefit	t-Cost Rating	Medium	Project Readin	ess Rating	Low
				fit Score Calcul ne: Mobility and A				
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 0.73		Low	33.3	37%	12.3
Traffic Volume		2040 We	ighted Traffic Flov	w: 206 vph	Medium	66.7	23%	15.3
Freight		Т	ruck Volume: 1.4	5%	Low	33.3	20%	6.7
Alternative Trans	sportation	Includ	des bike lanes, sid	ewalks	High	100	20%	20.0
					Tot	al Mobility and A	ccessibility Score	54.3
			v	ision Theme: Safe	ty			
Category			Result		Rating	Points	Weight	Score
Accident Rate		2011-20	13: 10.8 accident	s per mile	Medium	66.7	61%	40.7
Safety Features		Primar	y: separates trave	el modes	High	100	39%	39.0
						Т	otal Safety Score	79.7
			Vis	ion Theme: Econo	my			
Category			Result		Rating	Points	Weight	Score
Economic Develo	pment Plans	Not incl	uded in recomme	endations	Low	33.3	25%	8.3

Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Total Economy Score		33.3

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0		
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0		
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3		
		Total Community and Nature Score			53.3		

	Vision Theme: Operationa	l Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Bedford County	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	33.3
	Vision Theme	Vision ThemePointsWeightMobility and Accessibility54.320%		Score	
	Mobility and Acc			20%	10.9
	Safety		79.7	25%	19.9

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	54.3	20%	10.9
Total Benefit Score	Safety	79.7	25%	19.9
	Economy	33.3	25%	8.3
	Community and Nature	53.3	15%	8.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	Total Project Benefit Score	

Benefit-Cost	Benefit Score	52.1
	Estimated Cost	\$25,615,000
	Estimated Users	9892
Calculation	Benefit-Cost Score	20.12
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	63	Category	New Ro	adway	Proje	Project List			
Jurisdiction	Route	Name	Route Number	From		То		n		Length (mi)
Campbell County		nern Bypass Alternative)	29 Sof Rt 24 5		S of Rt 24		Richmond Highway (US 460)			
Proposed Im	provement	N	ew 4 lane limi [.]	ted access facili	acility Est. Cost \$244,951,0		Est. Cost \$244,95			
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	A	uto	Streetscaping	None		
Project Benefit	t Score	75.1	Project Benefit	t-Cost Rating	Low	Project Readin	ess Rating	Low		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									
Category			Result		Rating	Points	Weight	Score		

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.51	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 351 vph	High	100	23%	23.0
Freight	Truck Volume: 6.24%	High	100	20%	20.0
Alternative Transportation	None included	Low	33.3	20%	6.7
		Tota	I Mobility and A	ccessibility Score	62.0

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 32.6 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Limited Access Design	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Region 2000 CEDS recommendation	High	100	25%	25.0		
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Total Economy Score		64.7		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 9	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3		
		Total Community and Nature Score			43.3		

	,	Vision Theme: Operational	Efficiency			
Category	R	esult	Rating	Points	Weight	Score
Functional Classification	Urban Freewa	y and Expressway	High	100	20%	20.0
Plan Coordination	, v	VTRANS 2035 Surface tation Plan	High	100	38%	38.0
Distribution of Benefits	Region	al Corridor	High	100	42%	42.0
				Total Operational	Efficiency Score	100.0
		Vision Theme		Points	Weight	Score
		Mobility and Acce	ssibility	62.0	20%	12.4
		Safety		100.0	25%	25.0
Total Benefit Score		Economy		64.7	25%	16.2

	Mobility and Accessibility	62.0	20%	12.4
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	64.7	25%	16.2
	Community and Nature	43.3	15%	6.5
	Operational Efficiency	100.0	15%	15.0
		Total Proj	ect Benefit Score	75.1

Benefit-Cost	Benefit Score	75.1
	Estimated Cost	\$244,951,000
	Estimated Users	33706
Calculation	Benefit-Cost Score	10.33
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	64	Category	New Ro	adway	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)
Campbell County		hern Bypass Iternative)	29	S of F	Rt 24		urg Salem (US 460)	10
Proposed Improvement New 4 lane limited access facility Est. Cost \$363,245,000				45,000				
Capacity/ Traffic Ops	Increases Capacity	Safety Priority	Primary	Modes Served	A	uto	Streetscaping	None
Project Benefit Score 75.1 Project Benefit-Cost Rating Low Project Readiness Rating					Low			
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.51	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 351 vph	High	100	23%	23.0
Freight	Truck Volume: 6.24%	High	100	20%	20.0
Alternative Transportation	None included	Low	33.3	20%	6.7
Total Mobility and Accessibility Score				62.0	

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 32.6 accidents per mile	High	100	61%	61.0	
Safety Features	Primary: Limited access design	High	100	39%	39.0	
			Т	otal Safety Score	100.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Region 2000 CEDS recommendation	High	100	25%	25.0	
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
Total Economy Score			64.7			

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 8	Medium	66.7	30%	20.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3	
Total Community and Nature Score			43.3			

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0	
Plan Coordination	Region 2000 CEDS, VTRANS 2035 Surface Transportation Plan	High	100	38%	38.0	
Distribution of Benefits	Regional Corridor	High	100	42%	42.0	
			Total Operationa	Efficiency Score	100.0	
	Vision Theme		Points	Weight	Score	
	Mobility and Acce	ssibility	62.0	20%	12.4	

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	62.0	20%	12.4
	Safety	100.0	25%	25.0
	Economy	64.7	25%	16.2
	Community and Nature	43.3	15%	6.5
	Operational Efficiency	100.0	15%	15.0
		Total Project Benefit Score		75.1

Benefit-Cost	Benefit Score	75.1
	Estimated Cost	\$363,245,000
	Estimated Users	33706
Calculation	Benefit-Cost Score	6.97
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project I	Number	65	Category	Roadway Capa	city Expansion	Proje	ct List	Vision	
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)	
Campbell County	War	ds Rd	29	Calohan Ro	d (Rt 685)		chburg corp nits	4.7	
Proposed Imp	provement	Wide	en road (rural	6 lane with me	dian)	Est. Cost	\$63,78	34,500	
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None	
Project Benefit	Score	69.9	Project Benefit	t-Cost Rating	Medium	edium Project Readiness Rating		Low	
		Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category			Vision The	me: Mobility and A	ccessibility				
category			Vision Ther Result	me: Mobility and A	Accessibility Rating	Points	Weight	Score	
Congestion				me: Mobility and A		Points 33.3	Weight 37%	Score 12.3	
		2040 We	Result		Rating		, in the second s		
Congestion			Result 2040 V/C: 0.61	w: 396 vph	Rating Low	33.3	37%	12.3	
Congestion Traffic Volume	sportation		Result 2040 V/C: 0.61 ighted Traffic Flo	w: 396 vph	Rating Low High	33.3 100	37% 23%	12.3 23.0	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 0.61 ighted Traffic Flor ruck Volume: 6.2	w: 396 vph	Rating Low High High Low	33.3 100 100	37% 23% 20% 20%	12.3 23.0 20.0	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 0.61 ighted Traffic Flo ruck Volume: 6.2 None included	w: 396 vph	Rating Low High High Low Tota	33.3 100 100 33.3	37% 23% 20% 20%	12.3 23.0 20.0 6.7	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 0.61 ighted Traffic Flo ruck Volume: 6.2 None included	w: 396 vph 4%	Rating Low High High Low Tota	33.3 100 100 33.3	37% 23% 20% 20%	12.3 23.0 20.0 6.7	

Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			Т	otal Safety Score	87.0

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Virginia Multimodal Freight Study	High	100	25%	25.0		
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	7 44% 29.3			
Employment Density	Less than 1 job per acre	Low	33.3 31% 10.3		10.3		
			Tota	l Economy Score	64.7		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	Significant additional right of way needed	Low 33.3 40% 13		13.3			
Total Community and Nature Score					43.3		

	١	ision Theme: Operation	al Efficiency			
Category	Re	sult	Rating	Points	Weight	Score
Functional Classification	Urban Other F	rinciple Arterial	High	100	20%	20.0
Plan Coordination	Virginia Multimo	Virginia Multimodal Freight Study		66.7	38%	25.3
Distribution of Benefits	Regional Corridor		High	100	42%	42.0
				Total Operationa	Efficiency Score	87.3
		Vision Theme		Points	Weight	Score
		Mobility and Ad	cessibility	62.0	20%	12.4
		Safety		87.0	25%	21.8
Total Benefit Score		Economy		64.7	25%	16.2

Community and Nature

Operational Efficiency

	Benefit Score	69.9
Benefit-Cost	Estimated Cost	\$63,784,500
	Estimated Users	35638
Calculation	Benefit-Cost Score	39.06
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

15%

15%

Total Project Benefit Score

43.3

87.3

6.5

13.1

Project N	lumber	66	Category	Roadway Capad	city Expansion	Proj	ect List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m		То	Length (mi)
Campbell County	War	ds Rd	29	Colonial High	way (Rt 24)	Calohan	Rd (Rt 685)	2.1
roposed Imp	rovement	Wide	en road (rural	6 lane with me	dian)	Est. Cost	\$23,48	36,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	A	uto	Streetscaping	None
roject Benefit	Score	63.3	Project Benefi	t-Cost Rating	Medium	Project Readi	ness Rating	Low
			Bene	fit Score Calcul	ation			
			Vision The	me: Mobility and A	ccessibility			
ategory			Result		Rating	Points	Weight	Score
ongestion			2040 V/C: 0.34		Low	33.3	37%	12.3
raffic Volume		2040 We	ighted Traffic Flo	w: 276 vph	Medium	66.7	23%	15.3
reight		Truck Volume: 6.24%		High	100	20%	20.0	
lternative Trans	portation		None included		Low 33.3 20%		6.7	
					Tota	al Mobility and A	Accessibility Score	54.3
			v	ision Theme: Safet	ty			
ategory			Result		Rating	Points	Weight	Score
ccident Rate		2011-20	013: 20 accidents	per mile	Medium	66.7	61%	40.7
afety Features		Seconda	ary Priority: Gene	ral Design	Medium	66.7	39%	26.0
							Total Safety Score	66.7
			Vis	ion Theme: Econo	my			
ategory			Result		Rating	Points	Weight	Score
conomic Develo	pment Plans	Virginia	Multimodal Frei	ght Study	High	100	25%	25.0
ommuter Travel		Primary comm	uter corridor wit	hout congestion	Medium	66.7	44%	29.3
mployment Den	sity	Les	ss than 1 job per	acre	Low	33.3	31%	10.3
						Tot	al Economy Score	64.7
			Vision The	eme: Community a	nd Nature			
ategory			Result		Rating	Points	Weight	Score
ultural and Env.	Resources		Resource Score: 2	11	Medium	66.7	30%	20.0
orridor Beautific	ation	No	streetscaping fea	tures	Low	33.3	30%	10.0
	iciency	Significant a	Significant additional right of way needed		Low	33.3	40%	13.3
ight of Way Suff	iereney		0					

Category	Result	Result Rating Points Weight		Score			
Functional Classification	Rural Other Principle Arterial	High	100	20%	20.0		
Plan Coordination	Virginia Multimodal Freight Study	Medium	66.7	38%	25.3		
Distribution of Benefits	Regional Corridor	High 100 42% 42		42.0			
	Total Operational Efficiency Score				87.3		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	54.3	20%	10.9
	Safety	66.7	25%	16.7
Total Benefit Score	Economy	64.7	25%	16.2
	Community and Nature	43.3	15%	6.5
	Operational Efficiency	87.3	15%	13.1
		Total Proje	ect Benefit Score	63.3

	Benefit Score	63.3
Benefit-Cost	Estimated Cost	\$23,486,000
	Estimated Users	26507
Calculation	Benefit-Cost Score	71.45
	Benefit-Cost Rating	Medium

	Readiness Rating	Low
Calculation	Readiness Score	0
	Ongoing Project	0
Readiness	Right of Way Acquisition	0
	NEPA Screening	0

Project	Number	67	Category	Access Managen	nent and Safety	Project List		Vision	
Jurisdiction	Route	Name	Route Number	From		То		Length (mi)	
Campbell County	Ward	rds Rd 29		S of Calohan Rd (Rt 685)		City of Lynchburg Corp Limits		4.7	
Proposed Im	Proposed Improvement Access mgmt, traffic ops, safety improvements Est. Cost \$10,000						00,000		
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Auto Str		Streetscaping	None	
Project Benefi	t Score	73.2	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	Medium	
Benefit Score Calculation Vision Theme: Mobility and Accessibility									
Category			Result		Rating	Points	Weight	Score	
Congestion			2040 1/10: 0.01		Low	22.2	270/	12.2	

Congestion	2040 V/C: 0.61	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 396 vph	High	100	23%	23.0
Freight	Truck Volume: 6.24%	High	100	20%	20.0
Alternative Transportation	None included	Low 33.3 20%		6.7	
	Total Mobility and Accessibility Score				

Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 36.6 accidents per mile	High	100	61%	61.0			
Safety Features	Primary: Access management and safety	High	100	39%	39.0			
			Т	otal Safety Score	100.0			

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Corridor of Statewide Significance		66.7	25%	16.7			
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3			
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3			
			Total Economy Score		56.3			

Vision Theme: Community and Nature								
Category	Result	Rating	Points	Weight	Score			
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0			
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0			
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0			
		Total Community and Nature Score			70.0			

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0			
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7			
Distribution of Benefits	Regional Corridor	High	100	42%	42.0			
		Total Operational Efficiency Score			74.7			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	62.0	20%	12.4
Total Benefit Score	Safety	100.0	25%	25.0
	Economy	56.3	25%	14.1
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	74.7	15%	11.2
		Total Proj	ect Benefit Score	73.2

	Benefit Score	73.2
Benefit-Cost	Estimated Cost	\$10,000,000
Calculation	Estimated Users	35638
Calculation	Benefit-Cost Score	260.80
	Benefit-Cost Rating	High

Readiness	NEPA Screening	1
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	2
	Readiness Rating	Medium

Project	Number	68	Category	Access Managen	nent and Safety	Project List		Vision		
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)		
Campbell County	Ward	ds Rd	29	English Tavern Rd (Rt 738)		Terminal Dr) Terminal Dr		1.6
Proposed Im	Proposed Improvement			Access Management		Est. Cost \$16,0		00,000		
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Αι	uto	Streetscaping	None		
Project Benefi	Project Benefit Score 82.7 Project Benefit-Cost Rating High Project Readiness Rating Med							Medium		
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									

Category Result		Rating	Points	Weight	Score
Congestion	2040 V/C: 0.81	Medium	66.7	37%	24.7
Traffic Volume	2040 Weighted Traffic Flow: 480 vph	High	100	23%	23.0
Freight	Truck Volume: 6.24%	High	100	20%	20.0
Alternative Transportation	None included	Low	Low 33.3 20%		6.7
	Total Mobility and Accessibility Score				74.3

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 58.1 accidents per mile	High	High 100 61%				
Safety Features	Primary: Access Management High 100 39		39%	39.0			
			Т	otal Safety Score	100.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Corridor of Statewide Significance Mediun		66.7	25%	16.7		
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Total Economy Score		71.0		

Vision Theme: Community and Nature							
Category	Result Rating Points Weight				Score		
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0		
Corridor Beautification	No streetscaping features Low 33.3 3		30%	10.0			
Right of Way Sufficiency	No additional ROW needed	High 100 40%		40.0			
		Total Community and Nature Score			80.0		

	Vision Theme: Operationa	l Efficiency					
Category	Result Rating		Result Rating		Points	Weight	Score
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0		
Plan Coordination	VTRANS 2035 Surface Transportation Plan	Medium	66.7	38%	25.3		
Distribution of Benefits	Regional Corridor	High	100	42%	42.0		
			Total Operationa	Efficiency Score	87.3		
	Vision Theme		Points	Weight	Score		
	Mobility and Acc	essibility	74.3	20%	14.9		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	74.3	20%	14.9
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	71.0	25%	17.7
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	87.3	15%	13.1
		Total Proje	ect Benefit Score	82.7

	Benefit Score	82.7	
Benefit-Cost	Estimated Cost	\$16,000,000	
	Estimated Users	35638	
Calculation	Benefit-Cost Score	184.24	
	Benefit-Cost Rating	High	

	NEPA Screening	1
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	2
	Readiness Rating	Medium

Project I	Number	69	Category	Roadway Capad	city Expansion	Project List		Vision
Jurisdiction	Route	Name	Route Number	From		То		Length (mi)
Campbell County	East Lynchl Turn	burg Salem pike	460	Waterlick R	Rd (Rt 622) Campbell Ave (Rt 501)			7.1
Proposed Imp	provement		Increase	to 6 lanes		Est. Cost	\$173,3	56,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Auto Streetsca		Streetscaping	None
Project Benefit	Score	71.5	Project Benefit	t-Cost Rating	Medium	Project Readin	Project Readiness Rating	
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category						Points	Weight	Score
Category Congestion			Vision The	me: Mobility and A	Accessibility	Points 66.7	Weight 37%	Score 24.7
		2040 We	Vision The Result	me: Mobility and A	Accessibility Rating		0	
Congestion			Vision The Result 2040 V/C: 0.95	me: Mobility and A	Accessibility Rating Medium	66.7	37%	24.7
Congestion Traffic Volume	sportation		Vision The Result 2040 V/C: 0.95 eighted Traffic Flo	me: Mobility and A	Accessibility Rating Medium High	66.7 100	37% 23%	24.7 23.0
Congestion Traffic Volume Freight	sportation		Vision The Result 2040 V/C: 0.95 eighted Traffic Flo ruck Volume: 10.	me: Mobility and A	Accessibility Rating Medium High High Low	66.7 100 100	37% 23% 20% 20%	24.7 23.0 20.0 6.7
Congestion Traffic Volume Freight	sportation		Vision The Result 2040 V/C: 0.95 eighted Traffic Flo ruck Volume: 10. None included	me: Mobility and A	Accessibility Rating Medium High High Low Tota	66.7 100 100 33.3	37% 23% 20% 20%	24.7 23.0 20.0 6.7

Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 19.0 accidents per mile	Medium	66.7	61%	40.7
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0
			То	otal Safety Score	66.7

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Corridor of Statewide Significance	Medium	dium 66.7 25%				
Commuter Travel	Primary commuter corridor with congestion	High	ligh 100 44%		44.0		
Employment Density	1-4 jobs per acre	Medium 66.7 31%		20.7			
			Tota	l Economy Score	81.4		

Vision Theme: Community and Nature							
Category	Result Rating Points Weight				Score		
Cultural and Env. Resources	Resource Score: 10	Resource Score: 10 Medium 66.7 30%					
Corridor Beautification	No streetscaping features	No streetscaping features Low 33.3 30%		10.0			
Right of Way Sufficiency	Significant additional right of way needed	Low 33.3 40%		13.3			
		Total Community and Nature Score			43.3		

		Vision Theme: Operationa	Efficiency			
Category	F	Result Rating		Points	Weight	Score
Functional Classification	Urban Freewa	ay and Expressway	High	100	20%	20.0
Plan Coordination	VTRANS 2035 Surface Transportation Plan		Medium	66.7	38%	25.3
Distribution of Benefits	Regior	Regional Corridor		100	42%	42.0
				Total Operationa	Efficiency Score	87.3
		Vision Theme		Points	Weight	Score
		Mobility and Acce	ssibility	74.3	20%	14.9
Total Benefit Score		Safety	Safety		25%	16.7
		Economy		81.4	25%	20.3
		Community and N	lature	43.3	15%	6.5
		Operational Efficie	ency	87.3	15%	13.1

Benefit-CostBenefit Score71.5Benefit-CostEstimated Cost\$173,356,000Estimated Users45914Benefit-Cost Score18.93Benefit-Cost RatingMedium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
Calculation	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Total Project Benefit Score

Project	Number	70	Category	Intersection Re	econstruction	Proje	ct List	Vision		
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)		
Campbell County	Timber	lake Rd	460	Waterlick Rd (Rt 622)						0.25
Proposed Im	Proposed Improvement Median & turn lane improvements, add lanes Est. Cost \$2,344,000						4,000			
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	A	uto	Streetscaping	Secondary		
Project Benefi	t Score	82.5	Project Benefit	t-Cost Rating	High	Project Readin	ess Rating	Medium		
Benefit Score Calculation Vision Theme: Mobility and Accessibility										
Category			Result		Rating	Points	Weight	Score		

Category	Result	Result Rating Points Weight		Score	
Congestion	2040 V/C: 1.21	High	100	37%	37.0
Traffic Volume	2040 Weighted Traffic Flow: 595 vph High 100 23%		23.0		
Freight	Truck Volume: 1.39%	Low	33.3	20%	6.7
Alternative Transportation	None included	Low	Low 33.3 20%		6.7
		Tota	73.3		

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 164 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Intersection Redesign	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7			
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0			
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7			
			Tota	81.4				

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0		
Corridor Beautification	Includes median area	Medium	66.7	30%	20.0		
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7		
		Total Community and Nature Score			76.7		

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0			
Plan Coordination	VDOT STARS II	Medium	66.7	38%	25.3			
Distribution of Benefits	Campbell County, City of Lynchburg	Medium	66.7	42%	28.0			
			Total Operationa	Efficiency Score	73.4			
	Vision Theme		Points	Weight	Score			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	73.3	20%	14.7
Total Benefit Score	Safety	100.0	25%	25.0
	Economy	81.4	25%	20.3
	Community and Nature	76.7	15%	11.5
	Operational Efficiency	73.4	15%	11.0
		Total Proje	Total Project Benefit Score	

	Benefit Score	82.5
Benefit-Cost	Estimated Cost	\$2,344,000
Calculation	Estimated Users	57146
Calculation	Benefit-Cost Score	2011.56
	Benefit-Cost Rating	High

Readiness	NEPA Screening	1
	Right of Way Acquisition	0
	Ongoing Project	1
Calculation	Readiness Score	2
	Readiness Rating	Medium

Project N	Number	71	Category	Roadway Capa	city Expansion	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	m To		Length (mi)
Campbell County	Campbel	l Highway	501	Village Ro	d (Rt 24)	Suburban	Rd (Rt 680)	2.2
Proposed Imp	provement		Widen t	o 4 lanes		Est. Cost	\$27,38	37,500
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Auto		Streetscaping	None
Project Benefit	Score	59.2	Project Benefi	t-Cost Rating	Low	Project Readir	ess Rating	Low
Category				fit Score Calcul me: Mobility and A		Points	Weight	Score
Category			2040 V/C: 0.29		Low	33.3	37%	12.3
Traffic Volume		2040 We	eighted Traffic Flo	ow: 87 vph	Low	33.3	23%	7.7
Freight		т	ruck Volume: 2.6	3%	Medium	66.7	20%	13.3
Alternative Trans	sportation		None included		Low	33.3	20%	6.7
					Tota	al Mobility and A	ccessibility Score	40.0
			v	ision Theme: Safe	ty			
Category			Result		Rating	Points	Weight	Score
Accident Rate		2011-20	13: 11.4 accident	s per mile	Medium	66.7	61%	40.7
Safety Features		Seconda	ary Priority: Gene	ral Design	Medium	66.7	39%	26.0
						Т	otal Safety Score	66.7
			Vis	ion Theme: Econo	my			

Category	Result	Rating	Points	Weight	Score
		0		3	
Economic Development Plans	Region 2000 CEDS	High	100	25%	25.0
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3
Employment Density	Less than 1 job per acre	Low	33.3 31%		10.3
			Tota	64.7	

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 9	Medium	66.7	30%	20.0
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0
Right of Way Sufficiency Significant additional right of way needed		Low	33.3	40%	13.3
Total Community and Nature Score					43.3

		Vision Theme: Operation	al Efficiency			
Category		Result Rating		Points	Weight	Score
Functional Classification	Rural N	1inor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Region 2000 CEDS, VTRANS 2035 Surface Transportation Plan		High	100	38%	38.0
Distribution of Benefits	Campbell Coun	Campbell County, City of Lynchburg		66.7	42%	28.0
				Total Operationa	l Efficiency Score	79.4
		Vision Theme		Points	Weight	Score
Mobility and Acce Safety Total Benefit Score Community and N		cessibility	40.0	20%	8.0	
		Safety		66.7	25%	16.7
		Economy		64.7	25%	16.2
		Community and Nature		43.3	15%	6.5

Operational Efficiency

	Benefit Score	59.2
Benefit-Cost	Estimated Cost	\$27,387,500
	Estimated Users	4154
Calculation	Benefit-Cost Score	8.99
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

15%

Total Project Benefit Score

79.4

11.9

Project	Number	72	Category	Roadway Capa	city Expansion	Proje	ct List	Vision
Jurisdiction	Route	Name Route Number		Fro	m To		Length (mi)	
Campbell County	Water	lick Rd	622	Bedford Coun	ty Corp Limit		orest Dr (Rt 20)	1.1
Proposed Im	Proposed Improvement Widen to 4 lanes					Est. Cost	\$23,48	30,500
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, B	ike, Ped	Streetscaping	Secondary
Project Benefit Score 68.3			Project Benefi	t-Cost Rating	Medium	Project Readir	ess Rating	Low
	Benefit Score Calculation							

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 1.36	High	100	37%	37.0
Traffic Volume 2040 Weighted Traffic Flow: 403		High	100	23%	23.0
Freight	Truck Volume: 0.92%	Low	33.3	20%	6.7
Alternative Transportation Adds bike lanes, sidewalks		High	100	20%	20.0
		Total Mobility and Accessibility Score			86.7

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 40 accidents per mile	High	100	61%	61.0
Safety Features	Primary: Separates travel modes	High	100	39%	39.0
			Т	otal Safety Score	100.0

Vision Theme: Economy					
Category Result Rating Points Weight					
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
Total Economy Score			33.3		

Vision Theme: Community and Nature					
Category Result Rating Points Weight					Score
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0
Right of Way Sufficiency Significant additional right of way needed		Low	33.3	40%	13.3
Total Community and Nature Score			63.3		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Campbell County, Bedford County	Medium	66.7	42%	28.0
			Total Operationa	Efficiency Score	54.0
	Vision Theme		Points	Weight	Score
	Mobility and Ac	cessibility	86.7	20%	17.3

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	86.7	20%	17.3
	Safety	100.0	25%	25.0
	Economy	33.3	25%	8.3
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	54.0	15%	8.1
		Total Proje	ect Benefit Score	68.3

	Benefit Score	68.3
Benefit-Cost	Estimated Cost	\$23,480,500
	Estimated Users	19338
Calculation	Benefit-Cost Score	56.22
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project I	Project Number 73		Category	Road Capacit	y Expansion	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	om To		ō	Length (mi)
Campbell County	Water	lick Rd	622	Timberlake Rd (US 460) Le		Leesville Rd (Rt 682)		1.0
Proposed Imp	provement		Widen t	iden to 4 lanes		Est. Cost	\$20,88	39,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served			Streetscaping	None
Project Benefit	Score	60.9	Project Benefi	roject Benefit-Cost Rating Medium		Project Readiness Rating		Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category	Category		Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 1.01		Medium	66.7	37%	24.7
Traffic Volume		2040 We	ighted Traffic Flo	w: 326 vph	High	100	23%	23.0

	Total Mobility and Accessibility Score							
Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 58 accidents per mile	High	100	61%	61.0			
Safety Features	Primary: Separate travel modes	High	100	39%	39.0			
			Т	otal Safety Score	100.0			

Low

Medium

33.3

66.7

20%

20%

6.7

13.3

Truck Volume: 0.89%

Adds bike lanes

Vision Theme: Economy								
Category	Result	Rating	Points	Weight	Score			
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3			
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7			
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7			
			Tota	43.7				

Vision Theme: Community and Nature								
Category	Result	Rating	Points	Weight	Score			
Cultural and Env. Resources	Resource Score: 10	Medium	66.7	30%	20.0			
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0			
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3			
		Total Community and Nature Score			43.3			

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Collector	Low	33.3	20%	6.7			
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7			
Distribution of Benefits	Campbell County	Low	33.3	42%	14.0			
			Total Operationa	Efficiency Score	33.3			
	Vision Theme	Points Weight		Score				
	Mobility and Ac	cessibility	67.7	20%	13.5			
			1	· · · · · · · · · · · · · · · · · · ·				

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	67.7	20%	13.5
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	43.7	25%	10.9
	Community and Nature	43.3	15%	6.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	60.9

	Benefit Score	60.9	
Benefit-Cost	Estimated Cost	\$20,889,000	
	Estimated Users	15657	
Calculation	Benefit-Cost Score	45.68	
	Benefit-Cost Rating	Medium	

Freight

Alternative Transportation

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project I	Number	74	Category	Roadway Rec	onstruction	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
Campbell County	Sunbu	ırst Rd	681	Richmond Highway (US 460) Waterlick R		Waterlick Rd (Rt 622)		2.6
Proposed ImprovementReconstruct 2 lane roadwayEst. Cost\$21,736,000						36,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto Streetscaping		None	
Project Benefit	t Score	52.2	Project Benefi	t-Cost Rating	Low	Project Readir	ess Rating	Low
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category			Result	me. wobility and A	Rating	Points	Weight	Score
Category			2040 \//C+ 0.20		Low	22.2	27%	12.2

Congestion	2040 V/C: 0.39	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 93	Low	33.3	23%	7.7
Freight	Truck Volume: NA	Low	33.3	20%	6.7
Alternative Transportation	None included	Low 33.3 20%		6.7	
		Tota	33.3		

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	Lynchburg District top accident rate location	High	100	61%	61.0		
Safety Features	Secondary Priority: General Design Medium		66.7	39%	26.0		
			Т	otal Safety Score	87.0		

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	Low 33.3 44%		14.7	
Employment Density	Less than 1 job per acre Lov		33.3	31%	10.3	
			Total Economy Score		33.3	

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features LOW		33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	ed High 100 40%		40.0			
		Total Community and Nature Score			70.0		

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	Local Road	Low	33.3	20%	6.7		
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7		
Distribution of Benefits	Campbell County	Low	33.3	42%	14.0		
			Total Operational Efficiency Score		33.3		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
	Safety	87.0	25%	21.8
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	52.2

	Benefit Score	52.2
Benefit-Cost	Estimated Cost	\$21,736,000
	Estimated Users	4474
Calculation	Benefit-Cost Score	10.75
	Benefit-Cost Rating	Low

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project I	Number	75	Category	Roadway Capa	city Expansion	Project List		Vision
Jurisdiction	Route Name		Route Number	Fro	m	То		Length (mi)
Campbell County	Leesv	ille Rd	682	City of Lync lim			Highway (US 50)	2.1
Proposed Imp	provement		Widen t	to 4 lanes		Est. Cost	\$41,66	53,500
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Auto		Streetscaping	None
Project Benefit Score 51.8 Project Benefit-Cost Ratin			Medium Project Readiness Rating					
Project Benefit	Score	51.8	Project Benefi	t-Cost Rating	Medium	Project Readin	ess Rating	Low
	Score	51.8	Bene	t-Cost Rating fit Score Calcul me: Mobility and A	ation	Project Readin	ess Rating	Low
Category	Score	51.8	Bene	fit Score Calcul	ation	Project Readin	ess Rating Weight	Low
	: Score	51.8	Bene Vision The	fit Score Calcul me: Mobility and A	ation Accessibility			
Category	: Score		Bene Vision The Result	fit Score Calcul me: Mobility and A	ation accessibility Rating	Points	Weight	Score
Category Congestion	: Score	2040 We	Bene Vision The Result 2040 V/C: 0.92	fit Score Calcul me: Mobility and A w: 311 vph	ation Accessibility Rating Medium	Points 66.7	Weight 37%	Score 24.7
Category Congestion Traffic Volume		2040 We	Bene Vision The Result 2040 V/C: 0.92 ighted Traffic Flo	fit Score Calcul me: Mobility and A w: 311 vph	ation Accessibility Rating Medium High	Points 66.7 100	Weight 37% 23%	Score 24.7 23.0

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 24.3 accidents per mile	Medium	66.7	61%	40.7	
Safety Features	Secondary Priority: General Design	Medium	edium 66.7 39% 2		26.0	
			То	otal Safety Score	66.7	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
			Total Economy Score		33.3	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0	
Corridor Beautification	No streetscaping features	Low 33.3 30%		10.0		
Right of Way Sufficiency	Significant additional right of way needed	Low 33.3 40%		13.3		
		Total Community and Nature Score			43.3	

		Vision Theme: Operation	al Efficiency			
Category	I	Result Rating		Points	Weight	Score
Functional Classification	Urban N	/linor Arterial	Medium	66.7	20%	13.3
Plan Coordination	Not recommended in other plans		Low	33.3	38%	12.7
Distribution of Benefits	Campbell County, City of Lynchburg		Medium	66.7	42%	28.0
				Total Operationa	l Efficiency Score	54.0
		Vision Theme		Points	Weight	Score
	Mobility and Accessibil		cessibility	61.0	20%	12.2
		Safety		66.7	25%	16.7
Total Benefit Score		Economy		33.3	25%	8.3
		Community and	l Nature	43.3	15%	6.5

Operational Efficiency

Benefit-Cost	Benefit Score	51.8
	Estimated Cost	\$41,663,500
	Estimated Users	15632
Calculation	Benefit-Cost Score	19.43
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

15%

Total Project Benefit Score

54.0

8.1

51.8

Project N	Project Number		Category	Roadway Rec	construction	Proje	ct List	Vision		
Jurisdiction	Route	Name	Route Number	Fro	om To		ō	Length (mi)		
Campbell County	Mt. At	hos Rd	726	Richmond H 460	Babcock a		Babcock and Wilco		nd Wilcox	1.9
Proposed Improvement			Upgrade exist	ing 2 lane road		Est. Cost	\$13,63	14,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto Streetscap		Streetscaping	None		
Project Benefit	Project Benefit Score 53.3			Project Benefit-Cost Rating Medium		Project Readin	ess Rating	Low		
Benefit Score Calculation Vision Theme: Mobility and Accessibility										
Category			Result		Rating	Points	Weight	Score		
Congestion			2040 V/C: 1.46		High	100	37%	37.0		
Traffic Volume		2040 Weighted Traffic Flow: 286			Medium	66.7	23%	15.3		
Freight		Т	ruck Volume: 1.2	5%	Low	33.3	20%	6.7		

Total Mobility and Accessibility Score						
Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 4.2 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	46 3	

None included

Low

33.3

20%

6.7

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Primary access to major employment center	Medium	66.7	44%	29.3		
Employment Density 1-4 jobs per acre		Medium	66.7	31%	20.7		
Total Economy Score			58.4				

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 7	Low	33.3	30%	10.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0		
Total Community and Nature Score				nd Nature Score	60.0		

Vision Theme: Operational Efficiency							
Category	Result Ra		Points	Weight	Score		
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7		
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7		
Distribution of Benefits	nefits Campbell County Low		33.3	42%	14.0		
Total Operational Efficiency Score							
	Vision Theme		Points	Weight	Score		

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	65.7	20%	13.1
	Safety	46.3	25%	11.6
	Economy	58.4	25%	14.6
	Community and Nature	60.0	15%	9.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	53.3

Benefit-Cost	Benefit Score	53.3
	Estimated Cost	\$13,614,000
	Estimated Users	13706
Calculation	Benefit-Cost Score	53.65
	Benefit-Cost Rating	Medium

Alternative Transportation

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Project Number		Category	Roadway Rec	construction Pr		ect List	Vision
Jurisdiction	Jurisdiction Route Name		Route Number	From		То		Length (mi)
Campbell County	English T	English Tavern Rd 738 Suburban Rd (Rt 680)		Wards Rd (US 29)		1.6		
Proposed Im	Proposed Improvement Widen to 24 ft				Est. Cost	\$13,3	76,000	
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto		Streetscaping	None
Project Benefit	Project Benefit Score 47.2		Project Benefit-Cost Rating Medium		Project Readin	ess Rating	Low	
	Benefit Score Calculation							

Vision	Theme:	Mobility	and	Accessibility

Category	Result	Rating	Points	Weight	Score	
Congestion	2040 V/C: 0.37	Low	33.3	37%	12.3	
Traffic Volume	olume 2040 Weighted Traffic Flow: 98 vph		33.3	23%	7.7	
Freight	Truck Volume: 1.26%	/olume: 1.26% Low		20%	6.7	
Alternative Transportation	None included	Low	33.3	20%	6.7	
		Total Mobility and Accessibility Score			33.3	

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 13.1 accidents per mile	Medium	66.7	61%	40.7		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	66.7		

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low 33.3 44%		44%	14.7	
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3	
			Total Economy Score		33.3	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			70.0	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Collector	Low	33.3	20%	6.7
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7
Distribution of Benefits	Campbell County	Low	33.3	42%	14.0
		Total Operational Efficiency Score			33.3

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
Total Benefit Score	Safety	66.7	25%	16.7
	Economy	33.3	25%	8.3
	Community and Nature	70.0	15%	10.5
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	47.2

	Benefit Score	47.2
Benefit-Cost	Estimated Cost	\$13,376,000
	Estimated Users	4697
Calculation	Benefit-Cost Score	16.56
	Benefit-Cost Rating	Medium

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	78	Category	Roadway Rec	construction	uction Projec		Vision
Jurisdiction	tion Route Name		Route Number	Fro	m	То		Length (mi)
Campbell County	English T	avern Rd	738	Wards Ro	l (US 29)	Suburban	Rd (Rt 680)	1.2
Proposed Im	provement		Widen	to 24 ft		Est. Cost	\$10,03	32,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 48.7		Project Benefi	t-Cost Rating	Medium	Project Readin	ess Rating	Low	
	Benefit Score Calculation							

Vicion	Theme: Mol	hility and A	crassihility

Category	Result	sult Rating Points Weight		Score	
Congestion	2040 V/C: 0.38	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 108 vph	Low	33.3	23%	7.7
Freight	Truck Volume: 1.26% Lov		33.3	20%	6.7
Alternative Transportation	ation None included		33.3	20%	6.7
		Total Mobility and Accessibility Score			33.3

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 10.8 accidents per mile	Medium	66.7	61%	40.7	
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0	
			Т	otal Safety Score	66.7	

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3		
			Total Economy Score		33.3		

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			80.0	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Rural Major Collector	Low	33.3	20%	6.7	
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7	
Distribution of Benefits	Campbell County	Low	33.3	42%	14.0	
			Total Operationa	l Efficiency Score	33.3	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	33.3	20%	6.7
	Safety	66.7	25%	16.7
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	33.3	15%	5.0
		Total Proje	ect Benefit Score	48.7

	Benefit Score	48.7	
Benefit-Cost	Estimated Cost	\$10,032,000	
	Estimated Users	5190	
Calculation	Benefit-Cost Score	25.17	
	Benefit-Cost Rating	Medium	

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	79	Category	Roadway Reconstruction Project List		Project List		Vision		
Jurisdiction	Route	Name	Route Number	From		То		То		Length (mi)
City of Lynchburg	Lynchburg	Expressway	29	Main St/Church St						0.25
Proposed Im	provement		Improve i	nterchange		Est. Cost	\$2,70	0,000		
Capacity/ Traffic Ops	Improve traffic ops	Safety Priority	Primary	Modes Served	Au	uto	Streetscaping	None		
Project Benefi	Project Benefit Score 74.7 Project Benefit-Cost Rating High Project Readiness Rating				Low					
	Benefit Score Calculation Vision Theme: Mobility and Accessibility									

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: 0.73	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 229 vph	Medium	66.7	23%	15.3
Freight	Truck Volume: 2.35%	Medium	66.7	20%	13.3
Alternative Transportation	None included	Low 33.3 20%		6.7	
		Total Mobility and Accessibility Score			

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 68 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Improved interchange design	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7		
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3		
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7		
			Total Economy Score		66.7		

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 8	Medium	66.7	30%	20.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7		
		Total Community and Nature Score			56.7		

	Vision Theme: Operational	Efficiency						
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0			
Plan Coordination	VDOT STARS, City of Lynchburg Comp Plan	High	100	38%	38.0			
Distribution of Benefits	Regional Corridor	High	100	42%	42.0			
			Total Operational	Efficiency Score	100.0			
	Vision Theme		Points	Weight	Score			
	Mobility and Acce	Mobility and Accessibility		20%	9.5			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	47.7	20%	9.5
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	66.7	25%	16.7
	Community and Nature	56.7	15%	8.5
	Operational Efficiency	100.0	15%	15.0
		Total Proje	ect Benefit Score	74.7

	Benefit Score	74.7
Benefit-Cost	Estimated Cost	\$2,700,000
Calculation	Estimated Users	17798
Calculation	Benefit-Cost Score	492.47
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	80	Category	Roadway Rec	construction	ction Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	rom To		Length (mi)	
City of Lynchburg	Lynchburg	Expressway	29	Miller St/R	'Robbin Rd		0.25	
Proposed Im	roposed Improvement Improve interchange Est. Cost \$200),000				
Capacity/ Traffic Ops	Improve traffic ops	Safety Priority	Primary	Modes Served	ved Auto Streetscaping		Streetscaping	None
Project Benefit	t Score	74.7	Project Benefi	efit-Cost Rating High		Project Readiness Rating		Medium
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category			Result		Rating	Points	Weight	Score
Congestion		2040 V/C: 0.78		Low	33.3	37%	12.3	
Traffic Volume		2040 We	ighted Traffic Flo	w: 312 vph	High	100	23%	23.0
Freight		Т	ruck Volume: 2.2	3%	Medium	66.7	20%	13.3

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 24 accidents per mile	Medium	66.7	61%	40.7	
Safety Features	Primary: Improved interchange design	High	100	39%	39.0	
			Т	otal Safety Score	79.7	

Low

33.3

Total Mobility and Accessibility Score

20%

None included

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7
Total Economy Score					66.7

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
Total Community and Nature Score						

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0	
Plan Coordination	VDOT STARS, City of Lynchburg Comp Plan	High	100	38%	38.0	
Distribution of Benefits	Regional Corridor	High	100	42%	42.0	
			Total Operationa	Efficiency Score	100.0	
	Vision Theme		Points	Weight	Score	
	Mobility and Acce	essibility	55.3	20%	11.1	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	55.3	20%	11.1
	Safety		25%	19.9
Total Benefit Score	Economy	66.7	25%	16.7
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	100.0	15%	15.0
		Total Proje	Total Project Benefit Score	

	Benefit Score	74.7
Benefit-Cost	Estimated Cost	\$200,000
	Estimated Users	26888
Calculation	Benefit-Cost Score	10037.22
	Benefit-Cost Rating	High

Alternative Transportation

	NEPA Screening	1
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	2
	Readiness Rating	Medium

6.7

Project	Number	81	Category	Roadway Rec	onstruction	Project List		Vision
Jurisdiction	Route	Route Name Route Name		From		То		Length (mi)
City of Lynchburg	Lynchburg	Expressway	29	29 Kemper St/ Campbell Ave				0.25
Proposed Im	provement		Improve i	nterchange		Est. Cost	\$14,90	00,000
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Au	uto	Streetscaping	None
Project Benefi	t Score	76.2	Project Benefi	t-Cost Rating	High	Project Readin	ness Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result		Points	Weight	Score
Congestion	2040 V/C: 0.77	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 277	Medium	66.7	23%	15.3
Freight	Truck Volume: 2.56%	Medium	66.7	20%	13.3
Alternative Transportation	ative Transportation None included		33.3	20%	6.7
		Tota	47.7		

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013:256 accidents per mile	High	100	61%	61.0	
Safety Features	Primary: Interchange design improvement	High	100	39%	39.0	
			Т	otal Safety Score	100.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7	
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3	
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7	
			Total Economy Score		66.7	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7	
		Total Community and Nature Score			66.7	

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0			
Plan Coordination	VDOT STARS, City of Lynchburg Comp Plan	High	100	38%	38.0			
Distribution of Benefits	Regional Corridor	High	100	42%	42.0			
			Total Operational	Efficiency Score	100.0			
	Vision Theme Points Weight			Score				
	Mobility and Acce	Mobility and Accessibility		20%	9.5			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	47.7	20%	9.5
Total Benefit Score	Safety	100.0	25%	25.0
	Economy	66.7	25%	16.7
	Community and Nature	66.7	15%	10.0
	Operational Efficiency	100.0	15%	15.0
		Total Proje	ect Benefit Score	76.2

	Benefit Score	76.2	
Benefit-Cost	Estimated Cost	\$14,900,000	
	Estimated Users	23126	
Calculation	Benefit-Cost Score	118.28	
	Benefit-Cost Rating	High	

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	82	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	urisdiction Route Name		Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Lynchburg	Expressway	29	James St/St	adium Rd	dium Rd		0.25
Proposed Improvement Improve interchange				Est. Cost \$12,22		20,000		
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Αι	uto	Streetscaping	None
Project Benefi	t Score	76.2	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category			Result	Rating Points Weight				Score

Category	Result Rating Points Weight		Score		
Congestion	2040 V/C: 0.79	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 281 vph	Medium	66.7	23%	15.3
Freight	Truck Volume: 2.23%	Medium	66.7	20%	13.3
Alternative Transportation	None included	None included Low 33.3 20%		6.7	
		Total Mobility and Accessibility Score			47.7

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 244 accidents per mile	High	100	61%	61.0	
Safety Features	Primary: Improved interchange design	High	100	39%	39.0	
			То	otal Safety Score	100.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7	
Commuter Travel	Primary commuter corridor without congestion	Medium	66.7	44%	29.3	
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7	
			Total Economy Score		66.7	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Minor additional right of way needed	Medium	66.7	40%	26.7	
		Total Community and Nature Score			66.7	

	Vision Theme: Operationa	Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0
Plan Coordination	VDOT STARS, City of Lynchburg Comp Plan	High	100	38%	38.0
Distribution of Benefits	Regional corridor	High	100	42%	42.0
			Total Operationa	I Efficiency Score	100.0
	Vision Theme		Points	Weight	Score
			47.7	2004	0 -

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	47.7	20%	9.5
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	66.7	25%	16.7
	Community and Nature	66.7	15%	10.0
	Operational Efficiency	100.0	15%	15.0
		Total Proje	Total Project Benefit Score	

	Benefit Score	76.2
Benefit-Cost	Estimated Cost	\$12,220,000
	Estimated Users	25350
Calculation	Benefit-Cost Score	158.09
	Benefit-Cost Rating	High

Readiness Calculation	Right of Way Acquisition Ongoing Project	0
	Readiness Score	0
Calculation	Readiness Score Readiness Rating	0 Low

Project	Number	83	Category	Roadway Rec	onstruction	ction Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	om To		ō	Length (mi)
City of Lynchburg	Lynchburg	Expressway	29	Odd Fell	lows Rd			
Proposed Im	Improvement Improve interchange Est. Cost \$7,32			0,000				
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Auto		Streetscaping	None
Project Benefi	Project Benefit Score		Project Benefit	t-Cost Rating	High Project Readiness Rating		ess Rating	Low
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 0.90		Medium	66.7	37%	24.7
Traffic Volume		2040 We	ighted Traffic Flo	w: 282 vph	Medium	66.7	23%	15.3

Freight	Truck Volume: 13.79%	High	100	20%	20.0		
Alternative Transportation	None included	Low	33.3	20%	6.7		
Total Mobility and Accessibility Score							
Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 68 accidents per mile	High	100	61%	61.0		

Vision Theme: Economy						
Total Safety Score					100.0	
Safety Features	Primary: Improved interchange design	High	100	39.0		
Accident Rate	2011-2013: 68 accidents per mile	High	100	61%	61.0	

		1			
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Corridor of Statewide Significance	Medium	66.7	25%	16.7
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7
			Total Economy Score		81.4

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7	
		Total Community and Nature Score			66.7	

Vision Theme: Operationa	Efficiency			
Result	Rating	Points	Weight	Score
Urban Freeway and Expressway	High	100	20%	20.0
VDOT STARS, City of Lynchburg Comp Plan	High	100	38%	38.0
Regional Corridor	High	100	42%	42.0
		Total Operational	Efficiency Score	100.0
Vision Theme		Points	Weight	Score
Mobility and Acce	Mobility and Accessibility		20%	13.3
Safety		100.0	25%	25.0
	Result Urban Freeway and Expressway VDOT STARS, City of Lynchburg Comp Plan Regional Corridor Vision Theme Mobility and Access	Urban Freeway and Expressway High VDOT STARS, City of Lynchburg Comp Plan High Regional Corridor High Vision Theme Mobility and Accessibility	Result Rating Points Urban Freeway and Expressway High 100 VDOT STARS, City of Lynchburg Comp Plan High 100 Regional Corridor High 100 Total Operational Operationa Operational Opera	ResultRatingPointsWeightUrban Freeway and ExpresswayHigh10020%VDOT STARS, City of Lynchburg Comp PlanHigh10038%Regional CorridorHigh10042%Total Operational Efficiency ScoreVision ThemePointsWeightMobility and Accessibility66.720%

		Total Proje	ect Benefit Score	83.7
	Operational Efficiency	100.0	15%	15.0
	Community and Nature	66.7	15%	10.0
Total Benefit Score	Economy	81.4	25%	20.3
	Safety	100.0	25%	25.0
	Mobility and Accessibility	66.7	20%	13.3

	Benefit Score	83.7
Benefit-Cost	Estimated Cost	\$7,320,000
	Estimated Users	20402
Calculation	Benefit-Cost Score	233.21
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	84	Category	Roadway Rec	onstruction	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Lynchburg	Expressway	29/501		Candlers Mountain Rd (Rt 501)			
Proposed Im	Proposed Improvement Improve interchange Est. Cost \$16,22					20,000		
Capacity/ Traffic Ops	Improves Traffic Ops	Safety Priority	Primary	Modes Served	Auto	o, Ped	Streetscaping	None
Project Benefi	t Score	92.7	Project Benefit	t-Cost Rating	High	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Catagory				ne. woonity and A	Bating	Dointe	Woight	Score

Category	Result Rating Points Weight		Score		
Congestion	2040 V/C: 1.00	Medium	66.7	37%	24.7
Traffic Volume	2040 Weighted Traffic Flow: 324	High	100	23%	23.0
Freight	Truck Volume: 6.54%	High	100	20%	20.0
Alternative Transportation	Adds sidewalks on Candlers Mountain Rd	Medium 66.7 20%		13.3	
		Total Mobility and Accessibility Score			

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 512 accidents per mile	High	100	61%	61.0	
Safety Features	Safety enhanced interchange design	High	100	39%	39.0	
			Т	otal Safety Score	100.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Included in Region 2000 CEDS Plan (Rt 501)	High	100	25%	25.0	
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0	
Employment Density	More than 4 jobs per acre	High	100 31% 31		31.0	
			Tota	100.0		

Vision Theme: Community and Nature						
ategory Result Rating Points Weight					Score	
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0	
Corridor Beautification	Secondary: Includes sidewalk features	Medium	Medium 66.7 30%		20.0	
Right of Way Sufficiency	Minor additional ROW needed	Medium 66.7 40%		26.7		
		Total Community and Nature Score			76.7	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0	
Plan Coordination	VDOT Lynchburg Expressway STARS plan, City of Lynchburg Comp Plan	High	100	38%	38.0	
Distribution of Benefits	Regional benefits	High	100	42%	42.0	
			Total Operationa	Efficiency Score	100.0	
	Vision Theme		Points	Weight	Score	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	81.0	20%	16.2
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	100.0	25%	25.0
	Community and Nature	76.7	15%	11.5
	Operational Efficiency	100.0	15%	15.0
		Total Proje	Total Project Benefit Score	

	Benefit Score	92.7
Benefit-Cost	Estimated Cost	\$16,220,000
	Estimated Users	26753
Calculation	Benefit-Cost Score	152.91
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project l	Number	85	Category	Streetscape In	nprovements	Project List		Vision
Jurisdiction	diction Route Name		Route Number	Fro	m	То		Length (mi)
City of Lynchburg	5th	n St	163	Jackson St		Taylor St		0.2
Proposed Imp	Proposed Improvement			Streetscape improvements		Est. Cost	\$2,00	0,000
Capacity/ Traffic Ops	No increase	Safety Priority	Secondary	Modes Served	Auto	o, Ped	Streetscaping	Primary
Project Benefit Score 55.5			Project Benefi	efit-Cost Rating High		ligh Project Readiness Rating		Low
Benefit Score Calculation								

Benefit Score Calculation Vision Theme: Mobility and Accessibility

vision meme. wobinty and Accessibility						
Category	Result	Rating	Points	Weight	Score	
Congestion	Does not improve roadway capacity	Low	33.3	37%	12.3	
Traffic Volume	Does not improve roadway capacity	Low	33.3	23%	7.7	
Freight	Does not improve roadway capacity	Low	33.3	20%	6.7	
Alternative Transportation	Improves sidewalks	Medium	66.7	20%	13.3	
		Total Mobility and Accessibility Score			40.0	

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	Does not affect road operations	Low	33.3	61%	20.3		
Safety Features	Secondary Priority: General Design	Medium	66.7	39%	26.0		
			Т	otal Safety Score	46.3		

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	More than 4 jobs per acre	High	100	31%	31.0	
			Total Economy Score		54.0	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 11	Medium	66.7	30%	20.0	
Corridor Beautification	Primary: Streetscape improvement project	High	100	30%	30.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			90.0	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0	
Plan Coordination	City of Lynchburg Comp Plan	Medium	66.7	38%	25.3	
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0	
			Total Operationa	Efficiency Score	59.3	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
	Safety	46.3	25%	11.6
Total Benefit Score	Economy	54.0	25%	13.5
	Community and Nature	90.0	15%	13.5
	Operational Efficiency	59.3	15%	8.9
		Total Proje	Total Project Benefit Score	

	Benefit Score	55.5	
Benefit-Cost	Estimated Cost	\$2,000,000	
	Estimated Users	15360	
Calculation	Benefit-Cost Score	426.03	
	Benefit-Cost Rating	High	

Readiness	NEPA Screening	0
	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	86	Category	Roadway Rec	Roadway Reconstruction		construction P		ct List	Vision
Jurisdiction	Route	Name Route From Number		From		From		То		Length (mi)
City of Lynchburg	5tł	n St	163	Taylor St		NS Railway Bridge		0.3		
Proposed Im	provement	Recons	truct road and	d ped, add stree	etscape	Est. Cost	\$2,00	0,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto	o, Ped	Streetscaping	Primary		
Project Benefit Score 61.2		Project Benefit-Cost Rating High		Project Readir	ess Rating	Low				
Benefit Score Calculation										

Vision Theme: Mobility and Accessibility

vision meme. Mobility and Accessionity							
Category	Result	Rating	Points	Weight	Score		
Congestion	Does not increase capacity	Low	33.3	37%	12.3		
Traffic Volume	Does not increase capacity	Low	33.3	23%	7.7		
Freight	Does not increase capacity	Low	33.3	20%	6.7		
Alternative Transportation	Improves sidewalks	Medium	66.7	20%	13.3		
		Total Mobility and Accessibility Score			40.0		

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 23.3 accidents per mile	Medium	66.7	61%	40.7	
Safety Features	Primary: Separates travel modes	High	100	39%	39.0	
			Т	otal Safety Score	79.7	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7	
			Tota	43.7		

Vision Theme: Community and Nature						
Category	Result	Result Rating Points Weight				
Cultural and Env. Resources	Resource Score: 11 Medium 66.7 30%		20.0			
Corridor Beautification	Primary: Includes streetscape element	High	100	30%	30.0	
Right of Way Sufficiency	No additional ROW needed High 100 40%		40.0			
		Total Community and Nature Score			90.0	

Vision Theme: Operational Efficiency							
Category	Result	Result Rating Points Weight					
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0		
Plan Coordination City of Lynchburg Comp Plan		Medium	66.7	38%	25.3		
Distribution of Benefits	ribution of Benefits City of Lynchburg		33.3	42%	14.0		
		Total Operational Efficiency Score			59.3		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
Total Benefit Score	Safety	79.7	25%	19.9
	Economy	43.7	25%	10.9
	Community and Nature	90.0	15%	13.5
	Operational Efficiency	59.3	15%	8.9
		Total Proje	ect Benefit Score	61.2

	Benefit Score	61.2
Benefit-Cost	Estimated Cost	\$2,000,000
	Estimated Users	15360
Calculation	Benefit-Cost Score	470.27
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	87	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	From		То		Length (mi)
City of Lynchburg	Memo	rial Ave	163	NS Rai	ilway	Langho	rne Ave	0.4
Proposed Improvement Reconstruct road and ped, add streetscape Est. Cost \$2,000,000						0,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto	, Ped	Streetscaping	Primary
Project Benefit Score 68.9		Project Benefit-Cost Rating High		Project Readiness Rating		Low		
Benefit Score Calculation								

Benefit Score Calculation Vision Theme: Mobility and Accessibility

vision meme. Wobinity and Accessibility						
Category	Result	Result Rating Points Weight		Score		
Congestion	Does not increase capacity	Low	33.3	37%	12.3	
Traffic Volume	Does not increase capacity		33.3	23%	7.7	
Freight	Does not increase capacity	Low	33.3	20%	6.7	
Alternative Transportation Improves sidewalks		Medium	66.7	20%	13.3	
Total Mobility and Accessibility Score				40.0		

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 45 accidents per mile	High	100	61%	61.0	
Safety Features	Primary: Mode separation	High	100	39%	39.0	
			Т	otal Safety Score	100.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor		33.3	44%	14.7	
Employment Density More than 4 jobs per acre		High	100	31%	31.0	
			Tota	54.0		

Vision Theme: Community and Nature						
Category	Result	Result Rating Points Weight				
Cultural and Env. Resources	Resource Score: 10 Medium 66.7 30%		20.0			
Corridor Beautification	Primary: Includes streetscape features	High	100	30%	30.0	
Right of Way Sufficiency	No additional ROW needed High 100 40%		40.0			
		Total Community and Nature Score			90.0	

Vision Theme: Operational Efficiency						
Category	Result	Rating Points Weight			Score	
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0	
Plan Coordination	ordination City of Lynchburg Comp Plan		66.7	38%	25.3	
Distribution of Benefits City of Lynchburg		Low	33.3	42%	14.0	
Total Operational Efficiency Score				59.3		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	40.0	20%	8.0
Total Benefit Score	Safety	100.0	25%	25.0
	Economy	54.0	25%	13.5
	Community and Nature	90.0	15%	13.5
	Operational Efficiency	59.3	15%	8.9
		Total Proj	Total Project Benefit Score	

	Benefit Score	68.9
Benefit-Cost	Estimated Cost	\$2,000,000
	Estimated Users	14790
Calculation	Benefit-Cost Score	509.45
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project I	Number	88	Category	Roadway Capad	city Expansion	Project List		Vision
Jurisdiction	Jurisdiction Route Name		Route Number	From		То		Length (mi)
City of Lynchburg	Lakeside Dr		221	Lynchburg Expressway (Rt 501)		Forest Brook Rd		0.9
Proposed Improvement Widen to 4 lanes Est. Cost			\$19,21	L1,175				
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served Auto, Bike, Ped Streetsc		Streetscaping	Secondary	
Project Benefit	Project Benefit Score 80.1		Project Benefit	t-Cost Rating	Medium	Project Readin	ess Rating	Low
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
Category						Points	Weight	Score
Category Congestion			Vision The	me: Mobility and A	ccessibility	Points 100	Weight 37%	Score 37.0
		2040 We	Vision Ther Result	me: Mobility and A	accessibility Rating		9	
Congestion			Vision Ther Result 2040 V/C: 1.19	me: Mobility and A	accessibility Rating High	100	37%	37.0
Congestion Traffic Volume	sportation	т	Vision Ther Result 2040 V/C: 1.19 ighted Traffic Flo	me: Mobility and A w: 365 vph 1%	Accessibility Rating High High	100 100	37% 23%	37.0 23.0

Vision Theme: Safety							
Category Result Rating Points Weight							
Accident Rate	2011-2013: 37.8 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Separates travel modes	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0		
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7		
			Total Economy Score		73.0		

Vision Theme: Community and Nature							
Category	Result Rating Points Weight			Score			
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0		
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0		
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3		
		Total Community and Nature Score			63.3		

Vision Theme: Operational Efficiency							
Category	Result Rating		Points	Weight	Score		
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3		
Plan Coordination	Rt 221 Corridor Study	Rt 221 Corridor Study Medium 66.7 38		38%	25.3		
Distribution of Benefits	City of Lynchburg, Bedford County	Medium	66.7	42%	28.0		
Total Operational Efficiency Score					66.7		
	Vision Theme		Points	Weight	Score		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	86.7	20%	17.3
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	73.0	25%	18.3
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	66.7	15%	10.0
		Total Proje	ect Benefit Score	80.1

	Benefit Score	80.1
Benefit-Cost	Estimated Cost	\$19,211,175
	Estimated Users	17532
Calculation	Benefit-Cost Score	73.09
	Benefit-Cost Rating	Medium

NEPA Screening	0
Readiness Right of Way Acquisition	0
Ongoing Project	0
Calculation Readiness Score	0
Readiness Rating	Low

Project I	Number	89	Category	Roadway Capa	city Expansion	Project List		Vision
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Richmond	d Highway	460/29	Campbell A	ve (Rt 501) Monacan Parkway (US 2		kway (US 29)	1.67
Proposed Imp	provement	Wide	/iden to 6 lane limited access highv		highway Est. Cost \$39,927,		ay Est. Cost \$39,92	
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served			Streetscaping	None
Project Benefit	Score	82.7	Project Benefi	t-Cost Rating	Medium	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category		Result Rating Points		Points	Weight	Score		
Congestion			2040 V/C: 0.92		Medium	66.7	37%	24.7
Traffic Volume		2040 We	ighted Traffic Flo	w: 515 vph	High	100	23%	23.0

Alternative Transportation	None included	Low 33.3 20%		6.7				
		Tota	74.3					
Vision Theme: Safety								
Category	Result	Rating	Points	Weight	Score			
Accident Rate	2011-2013: 33.5 accidents per mile	High	100	61%	61.0			
Safety Features	Primary: Access management	High	100	39%	39.0			
			T	100.0				

High

100

Truck Volume: 6.54%

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Virginia Statewide Multimodal Freight Plan	High	100	25%	25.0
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
			Total Economy Score		79.3

Vision Theme: Community and Nature						
Category	Result	Result Rating Points Weight				
Cultural and Env. Resources	Resource Score: 12 High 100 30%		30.0			
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Significant additional right of way needed Low 33.3 40%		13.3			
		Total Community and Nature Score			53.3	

Vision Theme: Operational Efficiency							
Category	R	esult	Rating	Points	Weight	Score	
Functional Classification	Urban Other	Principle Arterial	High	100	20%	20.0	
Plan Coordination		VTRANS 2035 Surface Transportation Plan, Virginia Statewide Multimodal Freight Plan		100	38%	38.0	
Distribution of Benefits	Region	al corridor	High	100	42%	42.0	
				Total Operational	Efficiency Score	100.0	
		Vision Theme		Points	Weight	Score	
		Mobility and Acces	sibility	74.3	20%	14.9	
		Safety		100.0	25%	25.0	
Total Ber	nefit Score	Economy		79.3	25%	19.8	
		Community and N	ature	53.3	15%	8.0	
		Operational Efficie	ncy	100.0	15%	15.0	
				Total Proje	ect Benefit Score	82.7	

	Benefit Score	82.7	
Benefit-Cost	Estimated Cost	\$39,927,900	
	Estimated Users	49432	
Calculation	Benefit-Cost Score	102.38	
	Benefit-Cost Rating	Medium	

Freight

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

20%

Project	Number	90	Category	Roadway Rec	onstruction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
City of Lynchburg	Lynchburg	Expressway	501	S of R	: 221	Northwest Ex 50	(pressway (Rt)1)	1
Proposed Im	provement	Ne	ew 4 lane road	d (One way pair	rs)	Est. Cost	\$37,38	33,000
Capacity/ Traffic Ops	Improves operations	Safety Priority	Primary	Modes Served	Auto	o, Ped	Streetscaping	Secondary
Project Benefit	t Score	93.3	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	High
	Benefit Score Calculation							
				ne: Mobility and A	•			
Category			Result		Rating	Points	Weight	Score

Congestion 2040 V/C: 1.14		High	100	37%	37.0
Traffic Volume	affic Volume 2040 Weighted Traffic Flow: 580 vph		100	23%	23.0
Freight Truck Volume: 2.4%		Medium	66.7	20%	13.3
Alternative Transportation Adds sidewalks		Medium	66.7	20%	13.3
Total Mobility and Accessibility Score				86.7	

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 46 accidents per mile	High	100	61%	61.0
Safety Features	Safety intersection design, seperates modes High 100 39%		39.0		
			Т	otal Safety Score	100.0

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Recommended in Region 2000 CEDS	High	100	25%	25.0	
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0	
Employment Density	1-4 jobs per acre		66.7	31%	20.7	
			Total Economy Score		89.7	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 14	Resource Score: 14 High		30%	30.0	
Corridor Beautification	Includes sidewalk space	Medium	66.7	30%	20.0	
Right of Way Sufficiency	No additional ROW needed	No additional ROW needed High 100 40%		40.0		
		Total Community and Nature Score			90.0	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Urban Freeway and Expressway	High	100	20%	20.0	
Plan Coordination	City of Lynchburg Comp Plan, Region 2000 CEDS, VTRANS 2035 STP	High	100	38%	38.0	
Distribution of Benefits	Regional	High	100	42%	42.0	
Total Operational Efficiency Score					100.0	
Vision Theme Points Weight					Score	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	86.7	20%	17.3
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	89.7	25%	22.4
	Community and Nature	90.0	15%	13.5
	Operational Efficiency	100.0	15%	15.0
	Total Project Ben		ect Benefit Score	93.3

	Benefit Score	93.3
Benefit-Cost	Estimated Cost	\$37,383,000
	Estimated Users	55,680
Calculation	Benefit-Cost Score	138.90
	Benefit-Cost Rating	High

	NEPA Screening	1
Readiness	Right of Way Acquisition	1
	Ongoing Project	1
Calculation	Readiness Score	3
	Readiness Rating	High

Ductors						Durata		Vision
Project N	Number	91	Category	Roadway Capa	city Expansion	Proje	Project List	
Jurisdiction	Route	Name	Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Candlers N	Iountain Rd	501		Highway (US Lynchburg Expres 60) 29)		Lynchburg Expressway (US 29)	
Proposed Imp	provement		Widen t	o 6 lanes		Est. Cost	\$23,06	58,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto	o, Ped	Streetscaping	Secondary
Project Benefit	Score	89.4	Project Benefit	t-Cost Rating	High	Project Readin	ess Rating	Low
Category			Vision Ther Result	me: Mobility and A	•	Points	Weight	Score
Category			Result		Rating	Points	Weight	Score
Congestion			2040 V/C: 1.00		Medium	66.7	37%	24.7
Traffic Volume		2040 We	ighted Traffic Flo	w: 526 vph	High	100	23%	23.0
Freight		Т	ruck Volume: 2.4	0%	Medium	66.7	20%	13.3
Alternative Trans	sportation		Adds sidewalks		Medium	66.7	20%	13.3
					Tota	al Mobility and A	ccessibility Score	74.4
			v	ision Theme: Safe	t y			
Category			Result		Rating	Points	Weight	Score
Accident Rate		2011-20	13: 121 accident	s per mile	High	100	61%	61.0
Safety Features			el modes	High	100	39%	39.0	
					T	otal Safety Score	100.0	
			Vis	ion Theme: Econo	my			
Category			Result		Rating	Points	Weight	Score
Economic Develo	pment Plans		Region 2000 CED	S	High	100	25%	25.0

Category	Result	Rating	Points	weight	Score
Economic Development Plans	Region 2000 CEDS	High	100	25%	25.0
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0
Employment Density	More than 4 jobs per acre	High	100	31%	31.0
			Total Economy Score		100.0

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0	
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0	
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3	
		Total Community and Nature Score			63.3	

Vision Theme: Operational Efficiency							
Category	Result	Rating	Points	Weight	Score		
Functional Classification	Urban Other Principle Arterial	High	100	20%	20.0		
Plan Coordination	Region 2000 CEDS, VTRANS 2035 Surface Transportation Plan	High	100	38%	38.0		
Distribution of Benefits	Regional corridor	High	100	42%	42.0		
			Total Operationa	Efficiency Score	100.0		
	Vision Theme		Points	Weight	Score		
	Mobility and Accessibility		74.4	20%	14.9		
	Cofoty		100.0	250/	25.0		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	74.4	20%	14.9
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	100.0	25%	25.0
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	100.0	15%	15.0
		Total Proje	ect Benefit Score	89.4

	Benefit Score	89.4
Benefit-Cost	Estimated Cost	\$23,068,000
Calculation	Estimated Users	50522
Calculation	Benefit-Cost Score	195.74
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	92	Category	Roadway Capa	city Expansion	Proje	Project List		
Jurisdiction	Route	Name	Route Number	Fro	om To		Length (mi)		
City of Lynchburg	Northwest	Expressway	501	Old For	rest Rd Wiggington Rd (Rt 620		Rd (Rt 620)	1.3	
Proposed Im	provement		Widen t	to 4 lanes		Est. Cost	\$27,65	52,950	
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Secondary	Modes Served	Αι	uto	Streetscaping	None	
Project Benefi	t Score	70.5	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	Low	
	Benefit Score Calculation Vision Theme: Mobility and Accessibility								
			Vision The	me: Mobility and A	ccessibility				
Category			Result	me: Mobility and A	ccessibility Rating	Points	Weight	Score	
Category Congestion						Points 100	Weight 37%	Score 37.0	
U .		2040 V	Result		Rating		Ű		
Congestion			Result 2040 V/C: 1.16	: low: 604	Rating High	100	37%	37.0	
Congestion Traffic Volume	sportation		Result 2040 V/C: 1.16 Veighted Traffic F	flow: 604	Rating High High	100 100	37% 23%	37.0 23.0	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 1.16 Veighted Traffic F Truck Volume: 2.4	flow: 604	Rating High High Medium Low	100 100 66.7 33.3	37% 23% 20%	37.0 23.0 13.3 6.7	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 1.16 Veighted Traffic F Truck Volume: 2.4 None included	flow: 604	Rating High High Medium Low	100 100 66.7 33.3	37% 23% 20% 20%	37.0 23.0 13.3 6.7	
Congestion Traffic Volume Freight	sportation		Result 2040 V/C: 1.16 Veighted Traffic F Truck Volume: 2.4 None included	flow: 604 4%	Rating High High Medium Low	100 100 66.7 33.3	37% 23% 20% 20%	37.0 23.0 13.3 6.7	
Congestion Traffic Volume Freight Alternative Tran	sportation		Result 2040 V/C: 1.16 Veighted Traffic F Truck Volume: 2.4 None included	ilow: 604 1% /ision Theme: Safet	Rating High High Medium Low Tota	100 100 66.7 33.3 I Mobility and A	37% 23% 20% 20% ccessibility Score	37.0 23.0 13.3 6.7 80.0	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Region 2000 CEDS Plan	High	100	25%	25.0	
Commuter Travel	Primary commuter corridor with congestion	High	100	44%	44.0	
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7	
			Total Economy Score		89.7	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 8	Medium	66.7	30%	20.0	
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0	
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3	
		Total Community and Nature Score			43.3	

		Vision Theme: Operational	l Efficiency			
Category	F	Result	Rating	Points	Weight	Score
Functional Classification	Urban Freewa	ay and Expressway	High	100	20%	20.0
Plan Coordination	VTRANS 2035 Surfa	ace Transportation Plan	Medium	66.7	38%	25.3
Distribution of Benefits	City of	Lynchburg	Low	33.3	42%	14.0
				Total Operational	Efficiency Score	59.3
		Vision Theme		Points	Weight	Score
		Mobility and Acce	essibility	80.0	20%	16.0
		Safety		66.7	25%	16.7
Total Benefit Score		Economy		89.7	25%	22.4
		Community and I	Nature	43.3	15%	6.5

Operational Efficiency

	Benefit Score	70.5
Benefit-Cost	Estimated Cost	\$27,652,950
	Estimated Users	50230
	Benefit-Cost Score	128.04
	Benefit-Cost Rating	High

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

15%

Total Project Benefit Score

59.3

Total Safety Score

66.7

8.9

Project	Number	93	Category	Multimodal Cap	acity Expansion	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
City of Lynchburg	Campb	ell Ave	501	Edmur	nds St	Florida Ave		1.4
Proposed Im	provement	Rou	ndabouts, Road Diet, Rail to Trail Est. Cost \$6,100			0,000		
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto, B	like, Ped	Streetscaping	Secondary
Project Benefit	t Score	66.8	Project Benefit	t-Cost Rating	High	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category			Result		Rating	Points	Weight	Score

Category	Kesult	Rating	Points	weight	Score
Congestion	2040 V/C: 0.74	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 209	Medium	66.7	23%	15.3
Freight	Truck Volume: 2.05%	Medium	66.7	20%	13.3
Alternative Transportation	Adds bike lanes, improves sidewalks	High	100	20%	20.0
Total Mobility and Accessibility Score		61.0			

	Vision Theme: Safe	ty			
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 57.9 accidents per mile	High	100	61%	61.0
Safety Features	Primary: Separates travel modes	High	100	39%	39.0
			Т	otal Safety Score	100.0

	Vision Theme: Eco	nomy			
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	Less than 1 job per acre	Low	33.3	31%	10.3
Total Economy Score			33.3		

	Vision Theme: Community a	and Nature			
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 12	High	100	30%	30.0
Corridor Beautification	Includes sidewalk and roundabout areas	Medium	66.7	30%	20.0
Right of Way Sufficiency	Some additional ROW needed	Medium	66.7	40%	26.7
Total Community and Nature Score			76.7		

	Vision Theme: Operational	Efficiency			
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination	City of Lynchburg Comp Plan, Campbell Ave Corridor Study	High	100	38%	38.0
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0
	Total Operational Efficiency Score		65.3		
	Vision Theme		Points	Weight	Score
	Mobility and Acce	essibility	61.0	20%	12.2
			1		

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	61.0	20%	12.2
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	33.3	25%	8.3
	Community and Nature	76.7	15%	11.5
	Operational Efficiency	65.3	15%	9.8
		Total Proje	ect Benefit Score	66.8

	Benefit Score	66.8
Benefit-Cost	Estimated Cost	\$6,100,000
	Estimated Users	19101
Calculation	Benefit-Cost Score	209.26
	Benefit-Cost Rating	High

Readiness Calculation	Right of Way Acquisition Ongoing Project	0
	Readiness Score	0
Calculation	Readiness Score Readiness Rating	0 Low

Project Number		94	Category	Roadway Capa	Roadway Capacity Expansion		Project List	
Jurisdiction	Route Name		Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Candlers N	lountain Rd	670	Mayflower Dr (Rt 128)		Richmond Highway (US 460)		0.7
Proposed Im	orovement		Widen t	o 4 lanes		Est. Cost	\$17.28	33,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, Bike, Ped		Streetscaping	Secondary
Project Benefit Score 68.9		Project Benefit-Cost Rating M		Medium	Project Readiness Rating		Low	
Benefit Score Calculation Vision Theme: Mobility and Accessibility								
								-

Category Result		Rating	Points	Weight	Score
Congestion	2040 V/C: 1.08	Medium	66.7	37%	24.7
Traffic Volume	affic Volume 2040 Weighted Traffic Flow: 315 vph		100	23%	23.0
Freight Truck Volume: 0.33%		Low	33.3	20%	6.7
Alternative Transportation	Adds bike lanes, sidewalks	High 100		20%	20.0
Total Mobility and Accessibility Score					74.3

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 78.6 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Separates travel modes	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy							
Category	Result	Rating	Points	Weight	Score		
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3		
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7		
Employment Density	More than 4 jobs per acre	High	100	31%	31.0		
Total Economy Score			54.0				

Vision Theme: Community and Nature							
Category	Result Rating Points Weight						
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0		
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0		
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3		
	Total Community and Nature Score				63.3		

Vision Theme: Operational Efficiency								
Category	Result	Rating	Points	Weight	Score			
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3			
Plan Coordination	Not recommended in other plans	Low	33.3	38%	12.7			
Distribution of Benefits	Distribution of Benefits City of Lynchburg			42%	14.0			
			Total Operationa	Efficiency Score	40.0			
	Vision Theme	Vision Theme			Score			

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	74.3	20%	14.9
	Safety	100.0	25%	25.0
Total Benefit Score	Economy	54.0	25%	13.5
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	40.0	15%	6.0
		Total Proje	ect Benefit Score	68.9

	Benefit Score	68.9	
Benefit-Cost	Estimated Cost	\$17,283,000	
Calculation	Estimated Users	14714	
Calculation	Benefit-Cost Score	58.62	
	Benefit-Cost Rating	Medium	

Readiness	NEPA Screening	0
	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project	Number	95	Category	Multimodal Capa	acity Expansion	Project List		Vision
Jurisdiction	Route Name		Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Downtow	Downtown Streets						
Proposed Im	Proposed Improvement Imple			wn complete s	treets	Est. Cost	\$50,00	00,000
Capacity/ Traffic Ops	No increase	Safety Priority	Primary	Modes Served	Auto, B	like, Ped	Streetscaping	Primary
Project Benefit	Project Benefit Score 72.8		Project Benefit-Cost Rating Medium		Medium	Project Readiness Rating		Low
Benefit Score Calculation								

Denent Score Calculation	
Vision Theme: Mobility and Accessibility	

vision meme, wobinty and Accessibility								
Category	Result Rating Points Weight		Score					
Congestion	Does not increase capacity	Low	33.3	37%	12.3			
Traffic Volume	Does not increase capacity	Low	33.3	23%	7.7			
Freight	Does not increase capacity		33.3	20%	6.7			
Alternative Transportation	Improves sidewalks, adds bike lanes	High	100	20%	20.0			
Total Mobility and Accessibility Score				46.6				

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: 33.8 accidents per mile	High	100	61%	61.0		
Safety Features	Primary: Mode separation	High	100	39%	39.0		
			Т	otal Safety Score	100.0		

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Region 2000 CEDS	High	100	25%	25.0	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	More than 4 jobs per acre	High	100	31%	31.0	
			Tota	70.7		

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 7	Low	33.3	30%	10.0	
Corridor Beautification	Primary: Includes streetscape elements	High	100	30%	30.0	
Right of Way Sufficiency	No additional ROW needed	High	100	40%	40.0	
		Total Community and Nature Score			80.0	

Vision Theme: Operational Efficiency						
Category	Result	Rating	Points	Weight	Score	
Functional Classification	Local	Low	33.3	20%	6.7	
Plan Coordination	Region 2000 CEDS, City of Lynchburg Comp Plan	High	100	38%	38.0	
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0	
			Total Operational Efficiency Score		58.6	

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	46.6	20%	9.3
Total Benefit Score	Safety	100.0	25%	25.0
	Economy	70.7	25%	17.7
	Community and Nature	80.0	15%	12.0
	Operational Efficiency	58.6	15%	8.8
		Total Proj	Total Project Benefit Score	

	Benefit Score	72.8	
Benefit-Cost	Estimated Cost	\$50,000,000	
	Estimated Users	20000	
Calculation	Benefit-Cost Score	29.11	
	Benefit-Cost Rating	Medium	

	NEPA Screening	0
Readiness	Right of Way Acquisition	1
	Ongoing Project	0
Calculation	Readiness Score	1
	Readiness Rating	Low

Project	Number	96	Category	Roadway Rec	construction	Proje	ct List	Vision
Jurisdiction	Route	Name	Route Number	Fro	m	т	ō	Length (mi)
City of Lynchburg	Odd Fel	lows Rd		Richmond H	wy (US 460)	Lynchburg Ex 2'	pressway (US 9)	1.2
Proposed Im	Proposed Improvement Roundabouts, bridge replacement, corridor balance Est. Cost \$13,000,000							
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Auto, B	like, Ped	Streetscaping	Secondary
Project Benefi	t Score	63.9	Project Benefit	t-Cost Rating	Medium	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Points	Weight	Score	
Congestion	2040 V/C: 0.84	Medium	66.7	37%	24.7	
Traffic Volume	2040 Weighted Traffic Flow: 234 vph	Medium	66.7	23%	15.3	
Freight	Truck Volume: 13.79%	High	100	20%	20.0	
Alternative Transportation	Adds bike lanes, sidewalks	High	100	20%	20.0	
		Total Mobility and Accessibility Score			80.0	

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 9.2 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Primary: Separates travel modes	High	100	39%	39.0	
			Т	otal Safety Score	59.3	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Significant local economic role	Medium	66.7	25%	16.7	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	More than 4 jobs per acre	High	100	31%	31.0	
			Total Economy Score		62.3	

Vision Theme: Community and Nature						
Category	Result	Rating	Points	Weight	Score	
Cultural and Env. Resources	Resource Score: 13	High	100	30%	30.0	
Corridor Beautification	Includes sidewalk, roundabout area	Medium	66.7	30%	20.0	
Right of Way Sufficiency	Minor additional ROW needed	Medium	66.7	40%	26.7	
		Total Community and Nature Score			76.7	

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Minor Arterial	Medium	66.7	20%	13.3
Plan Coordination Not recommended in other plans		Low	33.3	38%	12.7
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0
			Total Operationa	Efficiency Score	40.0
	Vision Theme		Points	Weight	Score

	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	80.0	20%	16.0
Total Benefit Score	Safety	59.3	25%	14.8
	Economy	62.3	25%	15.6
	Community and Nature	76.7	15%	11.5
	Operational Efficiency	40.0	15%	6.0
		Total Proje	ect Benefit Score	63.9

	Benefit Score	63.9
Benefit-Cost Calculation	Estimated Cost	\$13,000,000
	Estimated Users	11220
	Benefit-Cost Score	55.16
	Benefit-Cost Rating	Medium

	NEPA Screening	0
Readiness Calculation	Right of Way Acquisition	0
	Ongoing Project	0
	Readiness Score	0
	Readiness Rating	Low

Project	Number	97	Category	Intersection Re	econstruction	Proje	Project List	
Jurisdiction	Route	Name	Route Number	Fro	m	Т	ō	Length (mi)
City of Lynchburg	Wards I	erry Rd		Harva	ird St			0.25
Proposed Im	d Improvement Construct Roundabout Est. Cost \$1,100			0,000				
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Auto, E	Bike, Ped	Streetscaping	Secondary
Project Benefit	t Score	61.1	Project Benefi	t-Cost Rating	High	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							
Category	egory Result Rating Points Weight		Score					
Congestion			2040 V/C: 0.65		Low	33.3	37%	12.3
Traffic Volume		2040 We	ighted Traffic Flo	w: 138 vph	Low	33.3	23%	7.7

Vision Theme: Safety					
Category	Result	Rating	Points	Weight	Score
Accident Rate	2011-2013: 24 accidents per mile	Medium	66.7	61%	40.7
Safety Features	Primary: Intersection safety design	High	100	39%	39.0
Total Safety Score 79.7					
Vision Theme: Economy					

Low

High

33.3

100

Total Mobility and Accessibility Score

20%

20%

6.7

20.0

46.6

Truck Volume: 1.65%

Adds bike lanes, sidewalks

Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	More than 4 jobs per acre	High	100	31%	31.0
	Total Economy Score			54.0	

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0
Corridor Beautification	Includes roundabout and sidewalk area	Medium	66.7	30%	20.0
Right of Way Sufficiency	Some additional right of way needed	Medium	66.7	40%	26.7
Total Community and Nature Score			76.7		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Urban Collector	Low	33.3	20%	6.7
Plan Coordination	City of Lynchburg Comprehensive Plan	Medium	66.7	38%	25.3
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0
Total Operational Efficiency Score				46.0	
	Vision Theme		Points	Weight	Score

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	46.6	20%	9.3
	Safety	79.7	25%	19.9
	Economy	54.0	25%	13.5
	Community and Nature	76.7	15%	11.5
	Operational Efficiency	46.0	15%	6.9
		Total Proje	Total Project Benefit Score	

	Benefit Score	61.1
Benefit-Cost	Estimated Cost	\$1,100,000
	Estimated Users	10000
Calculation	Benefit-Cost Score	555.88
	Benefit-Cost Rating	High

Freight

Alternative Transportation

	NEPA Screening	0
Readiness	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project Number		98	Category	Intersection Re	n Reconstruction P		ect List	Vision
Jurisdiction	Jurisdiction Route Name		Route Number	Fro	m	То		Length (mi)
City of Lynchburg	Wards F	erry Rd		Atlanta	a Ave			0.25
Proposed Improvement Add turn lanes				Est. Cost	\$495	5,000		
Capacity/ Traffic Ops	Improves traffic ops	Safety Priority	Primary	Modes Served	Αι	uto	Streetscaping	None
Project Benefit Score 53.4 Project Benefit-C				t-Cost Rating	High	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Rating Points Weight		Score
Congestion	2040 V/C: 0.78	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: 166 vph	Medium	66.7	23%	15.3
Freight	Truck Volume: 0.95%	Truck Volume: 0.95% Low 33.3 20%		20%	6.7
Alternative Transportation	None included	Low 33.3 20%		6.7	
		Total Mobility and Accessibility Score			41.0

Vision Theme: Safety						
Category	Result	Rating	Points	Weight	Score	
Accident Rate	2011-2013: 8 accidents per mile	Low	33.3	61%	20.3	
Safety Features	Primary: Intersection redesign	High	100	39%	39.0	
			То	otal Safety Score	59.3	

Vision Theme: Economy						
Category	Result	Rating	Points	Weight	Score	
Economic Development Plans	Not included in recommendations	Low	33.3	25%	8.3	
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7	
Employment Density	More than 4 jobs per acre	High	100	31%	31.0	
			Tota	l Economy Score	54.0	

Vision Theme: Community and Nature							
Category	Result	Rating	Points	Weight	Score		
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0		
Corridor Beautification	No streetscaping features	Low	33.3	30%	10.0		
Right of Way Sufficiency	Minor additional ROW needed	Medium 66.7 40%		26.7			
		Total Community and Nature Score			66.7		

Vision Theme: Operational Efficiency							
Result	Rating	Points	Weight	Score			
Urban Collector	Low	33.3	20%	6.7			
City of Lynchburg Comp Plan	Medium	66.7	38%	25.3			
City of Lynchburg	Low	33.3	42%	14.0			
		otal Operational	Efficiency Score	46.0			
	Result Urban Collector City of Lynchburg Comp Plan	Result Rating Urban Collector Low City of Lynchburg Comp Plan Medium City of Lynchburg Low	ResultRatingPointsUrban CollectorLow33.3City of Lynchburg Comp PlanMedium66.7City of LynchburgLow33.3	ResultRatingPointsWeightUrban CollectorLow33.320%City of Lynchburg Comp PlanMedium66.738%			

	Vision Theme	Points	Weight	Score
Total Benefit Score	Mobility and Accessibility	41.0	20%	8.2
	Safety	59.3	25%	14.8
	Economy	54.0	25%	13.5
	Community and Nature	66.7	15%	10.0
	Operational Efficiency	46.0	15%	6.9
		Total Proje	Total Project Benefit Score	

	Benefit Score	53.4
Benefit-Cost	Estimated Cost	\$495,000
	Estimated Users	12000
Calculation	Benefit-Cost Score	1294.99
	Benefit-Cost Rating	High

Readiness	NEPA Screening	0
	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low

Project N	lumber	99	Category	New Ro	New Roadway		Project List	
Jurisdiction	urisdiction Route Name		Route Number	From		То		Length (mi)
City of Lynchburg	New	Road		Campbell Ave (Rt 501) Odd Fell		llows Rd	1.0	
Proposed Imp	Proposed Improvement			Construct new roadway		Est. Cost	\$10,00	00,000
Capacity/ Traffic Ops	Increases capacity	Safety Priority	Primary	Modes Served	Auto, B	Bike, Ped	Streetscaping	Secondary
Project Benefit Score 53.6			Project Benefit	t-Cost Rating	Low	Project Readin	ess Rating	Low
	Benefit Score Calculation Vision Theme: Mobility and Accessibility							

Category	Result	Rating	Points	Weight	Score
Congestion	2040 V/C: NA	Low	33.3	37%	12.3
Traffic Volume	2040 Weighted Traffic Flow: NA	Low	33.3	23%	7.7
Freight	Truck Volume: NA	Low	33.3	20%	6.7
Alternative Transportation	Adds bike lanes, sidewalks	High	100	20%	20.0
		Total Mobility and Accessibility Score			46.6

Vision Theme: Safety							
Category	Result	Rating	Points	Weight	Score		
Accident Rate	2011-2013: NA	Low	33.3	61%	20.3		
Safety Features	Primary: Mode separation	High	100	39%	39.0		
			Т	otal Safety Score	59.3		

Vision Theme: Economy					
Category	Result	Rating	Points	Weight	Score
Economic Development Plans	Locally significant project	Medium	66.7	25%	16.7
Commuter Travel	Not a primary commuter corridor	Low	33.3	44%	14.7
Employment Density	1-4 jobs per acre	Medium	66.7	31%	20.7
	Total Economy Score		52.0		

Vision Theme: Community and Nature					
Category	Result	Rating	Points	Weight	Score
Cultural and Env. Resources	Resource Score: 14	High	100	30%	30.0
Corridor Beautification	Includes sidewalk area	Medium	66.7	30%	20.0
Right of Way Sufficiency	Significant additional right of way needed	Low	33.3	40%	13.3
Total Community and Nature Score			63.3		

Vision Theme: Operational Efficiency					
Category	Result	Rating	Points	Weight	Score
Functional Classification	Not classified	Low	33.3	20%	6.7
Plan Coordination	City of Lynchburg Comp Plan	Medium	66.7	38%	25.3
Distribution of Benefits	City of Lynchburg	Low	33.3	42%	14.0
			Total Operational	Efficiency Score	46.0

Total Benefit Score	Vision Theme	Points	Weight	Score
	Mobility and Accessibility	46.6	20%	9.3
	Safety	59.3	25%	14.8
	Economy	52.0	25%	13.0
	Community and Nature	63.3	15%	9.5
	Operational Efficiency	46.0	15%	6.9
		Total Proj	Total Project Benefit Score	

Benefit-Cost Calculation	Benefit Score	53.6
	Estimated Cost	\$10,000,000
	Estimated Users	2000
	Benefit-Cost Score	10.71
	Benefit-Cost Rating	Low

Readiness	NEPA Screening	0
	Right of Way Acquisition	0
	Ongoing Project	0
Calculation	Readiness Score	0
	Readiness Rating	Low