

Central Virginia Transportation Technical Committee

Region 2000 Local Government Council

Large Conference Room

828 Main Street, 12th Floor

Lynchburg, Virginia 24504

Thursday, January 8, 2015 at 10:30 a.m.

Agenda

1. Call to Order.....Paul Harvey, Chair
2. Approval of the November 6, 2014 Meeting Minutes.....Paul Harvey, Chair
See attachment 2.
3. Central Virginia Long Range Transportation Plan Year 2040 Update.....
.....Bob White, Deputy Director
See attachment 3.

The Committee will continue its discussion of the Plan update. The attached briefing packet provides the points of discussion and relevant background information. Please review and be ready to discuss.
4. Initial Discussion: FY 2016 Unified Planning Work Program and Rural Transportation Planning Assistance Program Scope of Work.....Bob White, Deputy Director
5. Matters from the Committee.....All
6. Adjournment - Next meeting: February 12, 2015 at 10:30 am

General Information

- Transportation Technical Committee Statement of Purpose
See attachment GI

Central Virginia Transportation Technical Committee

828 Main Street, 12th Floor
November 6, 2014 at 10:30 a.m.

MINUTES

URBAN MEMBERS

PRESENT

Christopher Arabia..... Virginia Department of Rail and Public Transportation
Lee Beaumont.....Liberty University
Don DeBerry.....City of Lynchburg
Paul Harvey.....Campbell County
Kevin Leamy.....Bedford County
David Cook for Rick Youngblood.....VDOT-Lynchburg District

ABSENT

Doyle Allen.....Bedford County Citizen Representative
Jeremy Bryant.....Amherst County
Mark Courtney.....Lynchburg Regional Airport
Michael Gray.....VDOT-Salem District
Jack HobbsTown of Amherst
Tom Martin.....City of Lynchburg
Richard Metz.....Campbell County Citizen’s Representative
Karen Walton.....Greater Lynchburg Transit Company

RURAL MEMBERS

PRESENT

Christopher Arabia..... Virginia Department of Rail and Public Transportation
Paul Harvey.....Campbell County
Kevin Leamy.....Bedford County
David Cook for Rick Youngblood.....VDOT-Lynchburg District

ABSENT

Doyle Allen.....Bedford County Citizen Representative
Jeremy Bryant.....Amherst County
Roxanne Casto.....Town of Appomattox
Michael Gray.....VDOT-Salem District
Richard Metz.....Campbell County Citizens Representative
Johnnie Roark.....Appomattox County
Russell Thurston.....Town of Brookneal
Bart Warner.....Town of Bedford
Dan Witt.....Town of Altavista

OTHERS PRESENT

Vlad Gavrilovic.....Renaissance Planning Group
Philipp Gabathuler.....Local Government Council

Kelly Hitchcock.....Local Government Council
 Matt Perkins.....Local Government Council
 Matthew Rehnborg.....EPR
 Bob White.....Local Government Council
 Bill Wuensch.....EPR

Minutes

1. Call to Order

Chairman Paul Harvey called the meeting to order at 10:30 am.

2. Approval of the October 9, 2014 Meeting Minutes

Upon a motion of Don DeBerry to approve the minutes of October 9th, 2014 as presented, seconded by Kevin Leamy, the meeting minutes of October 9th, 2014 were approved unanimously.

3. Central Virginia Long Range Transportation Plan Year 2040 Update

Bob White introduced the project and related topics for discussion. White specifically mention the documentation of the Benefit Evaluation Matrix and asked the Committee for feedback regarding its development and format.

Bill Wuensch and the EPR team reviewed the Project List with the Committee. Wuensch noted that the list needed to be reviewed to eliminate discrepancies or remove projects that may have already been completed, reviewed for accuracy. Also, Wuensch would like the projects to be reviewed for multi-modal possibilities and identified for possible revenue sharing request. Wuensch asked the Committee to review and provide feedback to him and his team. Project team will meet and speak with individual jurisdictions. Team will also work to arrange a meeting with Campbell County, LU, and the City of Lynchburg.

White noted updated Project Schedule and noted that the project is still on pace to complete CVLRTP 2040 update in the summer of 2015.

Vlad Gavrilovic updated the Committee on the October 2014 meeting with the region’s Economic Development leaders and business community to discuss the role of transportation in economic development. Gavrilovic summarized the discussion and highlighted themes. He noted that broader transportation needs can be incorporated in the CVLRTP 2040 update if desired.

Wuensch noted that traffic counts are underway and that next month he will have information to bring to the Committee.

4. Matters from the Committee

Bob White presented a TIP amendment (Attachment 3a) for consideration for the Committee to approve. The TIP addresses two new projects related to Odd Fellows Road Interchange and Greenview Drive Projects and these additions relate to Debt Service additions based on use of GARVEE bonds used to fund the projects.

Upon the motion by Don DeBerry recommending support of this TIP amendment, seconded by Kevin Leamy, this motion for support passed unanimously.

Bob White requested of the Committee to reschedule the December 11th meeting to December 4th. No objections were noted.

5. Adjournment

A motion to adjourn was made by Don DeBerry, seconded by Kevin Leamy, and with no objections being heard, Chairman Harvey adjourned the meeting at 10:59 am.

Signed: _____ **DRAFT** _____
Paul E. Harvey, Chair



Central Virginia Long Range Transportation Plan 2040 Update
January 2015 TTC Meeting Briefing Package



Briefing Materials

for Transportation Technical Committee Review

December 17, 2014

(In Preparation for the January 8th, 2015 TTC Meeting)

Table of Contents

Part 1- Project Evaluation Draft Results	2
Part 2- Project Schedule	3



Part 1- Project Evaluation Draft Results

Deliverable: Project Evaluation Draft Results (Attached)

<i>Purpose:</i>	To review the results of the project benefit evaluation matrix as applied to projects proposed for consideration in the Central Virginia MPO Long Range Transportation Plan 2040 Update. NOTE: The attached results do not include the review of projects for the City of Lynchburg. These results are still being calculated and will be shared during the TTC meeting itself.
<i>TTC Action Requested:</i>	Review the results and share any questions, suggestions, or concerns with the study team.
<i>Future Steps:</i>	The project evaluation process may be modified or improved if necessary. Once the committee is confident in the evaluation system, the final results will be provided to the MPO board for their use in the project selection process.

A. Introduction and Purpose

After meeting with representatives from each locality in order to finalize the list of projects that will be considered for evaluation, each project was rated using the evaluation matrix that the TTC and the study team created during the preceding months. The packet of results attached to this document only includes projects from Amherst, Bedford, and Campbell Counties. The results for projects from the City of Lynchburg are still being calculated and will be shared during the January TTC meeting.

This packet will allow committee members to review the results of this evaluation process when applied to a large number of projects from the region in order to better understand how it performs. It also provides additional information regarding the methods that were used to evaluate or estimate particular project measurements.

The final three pages offer an example of the project scoring sheets that have been created to document the data used in the rating for every project.

B. Specific Input Needed

Review the project evaluation results and share any questions, concerns, or suggestions regarding ways to improve the evaluation process or the documentation of results.



Part 2- Project Schedule

Deliverable: Presentation/Discussion about the upcoming public meeting

<i>Purpose:</i>	To provide an update about the project schedule
<i>TTC Action Requested:</i>	None
<i>Future Steps:</i>	N/A

A. Introduction & Purpose

The project schedule has been updated to reflect the current project status and immediate tasks at hand relative to review and working towards a final draft project listing.

Key work efforts in the coming months will include:

- **January/February** – Work with TTC to complete the draft project listing

Key discussion items will revolve around:

- o The overall project list and details of each project (per the prioritization ranking material provided)
- o Project funding opportunities. For instance, should certain intersection or safety related projects be summarized separately since these projects could potentially be funded using Highway Safety Improvement Program funds, or revenue share funds.
- o Selection of top priority projects (as informed by the project scoring)
- **March** – Present the draft project list and a discussion of candidate priority projects to the MPO Board
- **Late March** – Community Meeting

B. Specific Input Needed

None- a discussion period will be provided regarding the schedule.

Project Evaluation Draft Results

Summary of Contents

Part 1: Project Evaluation Results (Pages 2-7)

These tables provide a basic project description, estimated cost (if available), benefit evaluation score, and example benefit-cost rating. The results are ordered according to one of the three major evaluation categories. A project's benefit-cost rating category is determined relative to all of the other projects in the region—the top 1/3 of scores being assigned a “high” rating, the middle 1/3 of scores a “medium” rating, and the bottom 1/3 of scores being assigned a “low” rating. Therefore, it is possible that the category shown in this table may change after the projects from the City of Lynchburg are added to the evaluation group.

Part 2: Performance Measurement Results and Benefit Score (Pages 8-10)

This table records the rating for each project in the 16 performance measurement categories, as well as the total benefit evaluation score.

Part 3: Environmental Screening Measurements (Pages 11-13)

This table provides the information that was used to determine the “Environmental Resource Score” (one of the performance measurement categories) for each project. The method considers seven different factors that were identified by VDOT as sensitive environmental features in the 2005 State Highway Plan Prioritization project. If a feature is not located within ¼ mile of the project location, it is given a category score of 2. If a feature is located within ¼ mile of the project location but is not immediately adjacent to or transected by the project, it is given a score of 1. If the feature is immediately adjacent to or is transected by the project, it is given a score of 0.

The scores for all seven categories are added together to arrive at a total “Environmental Resource Score.” A score of 12-14 earns a “High” rating, meaning that the project will have little or no impact on sensitive environmental resources. A score of 8-11 earns a “Medium” rating, meaning that the project will have a moderate impact on sensitive environmental resources. Finally, a score of 7 or lower earns a “Low” rating, meaning that the project will may have a major impact on sensitive environmental resources.

Part 4: Project Cost Estimation Factors (Pages 14-15)

This table shows the information that was used to estimate a planning-level cost of each project. Elements include:

- U/R: Urban or Rural Street Section
- Lanes: Number of Lanes
- Bike Lanes: Yes or No
- Sidewalks: Yes or No
- ROW: Character of surrounding right of way. R (Rural), SLD (Suburban Low Density)
- Other: Other major elements for inclusion

The final cost is broken down among Preliminary Engineering (PE), Right of Way and Utilities (ROW), Construction (CN), and total.

Part 5: Sample Project Score Sheets (Pages 16-18)

An individual project score sheet for every reviewed project has been created to record the information that was used in the evaluation process. Three sample sheets have been included for demonstration and review.

Draft Project Evaluation Results: Amherst County, Bedford County, Campbell County

Evaluation Results: Ordered by Benefit Score

#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Estimated Cost	Benefit Score	Benefit Cost (Ex)	Readiness
1	Campbell	29	Wards Rd	Rt 683 (Lawyers Rd)	Terminal Dr	Access Management	1.1	TBD	77.11	High**	Medium
2	Amherst	29	Lynchburg Expressway	Rt 163 (Amherst St)	Rt 604 (S Coolwell Rd)	Traffic Operations/ Signal Coordination	3.7	\$1,625,500	76.31	High	Medium
3	Campbell	460	Richmond Hwy	Rt 622 (Waterlick Rd)	Rt 501 (Campbell Ave)	Increase to 6 lanes	7.1	\$173,356,000	72.31	Medium	Low
4	Bedford	221	Forest Rd	Rt 1426 (Gristmill Dr)	Rt 126 (Graves Mill Rd)	Access Management	0.2	TBD	70.59	High**	Medium
5	Bedford	221	Forest Rd	Rt 1483 (Cloverhill Rd)	Rt 621 (Cottontown Rd)	Traffic Signal Coordination	1.6	\$625,000	70.20	High	Medium
6	Campbell	29	Wards Rd	S of Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Access mgmt, traffic ops, safety improvements	4.7	TBD	69.48	High**	Medium
7	Bedford	460	E Lynchburg Salem Trnprk	Rt 668 (Goode Rd)	Rt 811 (Thomas Jefferson)	Construct paved shldr In and access mgmt	2.8	TBD	69.32	High**	Medium
8	Campbell	29	Rt 29 Alt (East)	S of Rt 24	Rt 460	New 4 lane limited access facility	10	\$363,245,000	66.83	Low	Low
9	Campbell	29	Wards Rd	Rt 738 (English Tavern Rd)	Rt 683 (Lawyers Rd)	Signal and Access Management	0.5	TBD	65.90	High**	Medium
10	Campbell	29	Wards Rd	Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Widen road (Rural 6 lane w/ median)	4.7	\$63,784,500	65.67	High	Low
11	Campbell	622	Waterlick Rd	Bedford Corp Limit	Rt 1520 (Rainbow Forest Dr)	Widen to 4 lanes	1.1	\$23,480,500	65.61	High	Low
12	Campbell	29	Rt 29 Alt (West)	S of Rt 24	Rt 460	New 4 lane limited access facility	4.5	\$244,951,000	65.48	Medium	Low
13	Campbell	29	Wards Rd	Rt 24 (Colonial Hwy)	Rt 685 (Calhoan Rd)	Widen road (rural 6 lane with median)	2.1	\$23,483,000	64.13	High	Low
14	Bedford	811	Thomas Jefferson Rd	Rt 221 (Forest Rd)	Rt 622 (Waterlick Rd)	Widen to 4 lanes	1.6	\$34,153,000	62.56	High	Low
15	Amherst	60	Richmond Highway	Rt 606 W	MPO Boundary	2 lane improvements	2.08	\$14,904,000	59.75	Medium	Low
16	Campbell	622	Waterlick Rd	Rt 460 (Timberlake Rd)	Rt 682 (Leesville Rd)	Widen to 4 lanes	1	\$20,889,000	59.34	High	Low
17	Amherst	163	South Amherst Hwy	Rt 685 (River Rd)	Rt 29 (Bus)	Widen to 4 lanes with bike lane	1.6	\$34,153,000	58.15	High	Low
18	Bedford	622	Waterlick Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen to 4 lanes	0.9	\$19,211,500	56.72	High	Low
19	Amherst	130	Elon Rd	NS Railroad Track	Rt 29 (Bus)	Widen to 4 lanes	1.9	\$40,556,500	55.18	Medium	Low
20	Amherst	60	Richmond Highway	Rt 29 Bypass	Rt 606 W	2 lane improvements	0.93	\$9,349,000	54.25	High	Low
21	Campbell	682	Leesville Rd	Lynchburg Corp Limits	Rt 460 (Richmond Hwy)	Widen to 4 lanes	2.1	\$41,663,500	54.23	Medium	Low
22	Bedford	501	Boonsboro Rd	Lynchburg Corp Limits	Study Area Boundary	Reconstruct portions as climbing lanes	4.8	TBD	53.87	Low	Low
23	Bedford	811	Thomas Jefferson Rd	Rt 622 (Waterlick Rd)	Rt 704 (Great Oak Rd)	Widen to 4 lanes	2.3	\$49,095,000	52.60	Medium	Low

**The project cost has not yet been estimated, but due to the nature of the project, the Benefit-Cost Score is expected to be high.

Draft Project Evaluation Results: Amherst County, Bedford County, Campbell County

Evaluation Results: Ordered by Benefit Score

#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Estimated Cost	Benefit Score	Benefit Cost (Ex)	Readiness
24	Bedford	811	Thomas Jefferson Rd	Rt 704 (Great Oak Rd)	Rt 460	Widen to 4 lanes	1.2	\$25,615,000	50.51	Medium	Low
25	Amherst	682	Woody's Lake Rd	Rt 29 (Bus)	End	Reconstruct Roadway	0.8	\$7,202,500	50.49	Low	Low
26	Campbell	501	Campbell Hwy	Rt 24 (Village Rd)	Rt 680 (Suburban Rd)	Widen to 4 lanes	2.2	\$27,387,500	50.17	Low	Low
27	Amherst	677	Dixie Airport Rd	Rt 699 (Amelon Rd)	Rt 622 (Galts Mill Rd)	Reconstruct 2 lane roadway	1.2	\$10,255,500	48.89	Medium	Low
28	Amherst	661	Old Stage Rd	Rt 624 (Sweet Briar Ln)	London Ln	2 lane improvements	0.5	\$2,849,000	48.83	Low	Low
29	Bedford	501	Boonsboro Rd	Rt 647 (Winding Creek Ln)	--	Relocate intersection, construct turn lane	0.3	TBD	48.72	Low	Low
30	Campbell	681	Sunburst Rd	Rt 460 (Richmond Hwy)	Rt 622 (Waterlick Rd)	Reconstruct 2 lane roadway	2.6	\$21,736,000	48.64	Medium	Low
31	Amherst	663	Izaak Walton Rd	Rt 130 (Glade Rd)	Rt 604 (S Coolwell Rd)	Reconstruct 2 lane roadway	4.5	\$25,651,000	48.25	Low	Low
32	Bedford	621	Cottontown Rd	Rt 662 (Hooper Rd)	Rt 660 (Hawkins Mill Rd)	Reconstruct 2 lane roadway	1.7	\$12,793,000	46.81	Medium	Low
33	Amherst	685	River Rd	Rt 130	NS Railroad Tracks	Reconstruct 2 lane roadway	3.8	\$26,877,000	46.40	Low	Low
34	Amherst	622	New Wright Shop Rd	Rt 210 (Colony Rd)	Rt 677 (Dixie Airport Rd)	Reconstruct 2 lane roadway	2.3	\$19,657,000	46.06	Medium	Low
35	Amherst	0	(new road)	Rt 29 (Bus)	Fernwood Dr	New 2 lane connector road	0.62	\$6,232,000	45.97	Low	Low
36	Campbell	738	English Tavern Rd	Rt 29 (Wards Rd)- South int	Rt 680 (Suburban Rd)	Widen to 24 ft	1.2	\$10,032,000	45.06	Medium	Low
37	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	\$21,459,500	44.90	Low	Low
38	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen pavement to 24 ft	1.2	\$9,030,000	44.02	Low	Low
39	Amherst	210	Colony Rd	Rt 163	Rt 1034	2 lane reconstruction with shoulder	0.3	\$2,815,000	43.80	Medium	Low
40	Campbell	738	English Tavern Rd	Rt 680 (Suburban Rd)	Rt 29 (Wards Rd)- North int	Widen to 24 ft	1.6	\$13,376,000	43.56	Medium	Low
41	Campbell	726	Mt Athos Rd	Rt 460 (Richmond Hwy)	Babcock and Wilcox	Upgrade existing 2 lane rd	1.9	\$13,614,000	43.43	High	Low
42	Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	1.25	\$9,429,000	43.31	Medium	Low
43	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 lane reconstruction	1.1	\$6,271,000	41.96	Low	Low
44	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	\$28,660,000	41.96	Low	Low
45	Bedford	644	Coffee Rd	Rt 665N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	\$45,140,500	41.35	Low	Low
46	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	2	\$14,330,000	40.46	Low	Low
47	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22ft	3.1	\$17,671,000	40.46	Low	Low
48	Bedford	659	Hawkins Mill Rd	Rt 660 (Old Farm Rd)	Lynchburg Corp Limits	Reconstruct 2 ln roadway	1.3	\$9,783,000	39.96	Medium	Low
49	Bedford	663	Perrowville Rd	Rt 1431 (Quail Ridge Rd)	Rt 644 (Coffee Rd)	Reconstruct 2 lane roadway	2.1	\$15,047,000	38.47	Medium	Low

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37	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	\$21,459,500	44.90	Low	Low
38	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen pavement to 24 ft	1.2	\$9,030,000	44.02	Low	Low
43	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 lane reconstruction	1.1	\$6,271,000	41.96	Low	Low
44	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	\$28,660,000	41.96	Low	Low
45	Bedford	644	Coffee Rd	Rt 665N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	\$45,140,500	41.35	Low	Low
46	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	2	\$14,330,000	40.46	Low	Low
47	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22ft	3.1	\$17,671,000	40.46	Low	Low

**The project cost has not yet been estimated, but due to the nature of the project, the Benefit-Cost Score is expected to be high.

Draft Project Evaluation Results: Amherst County, Bedford County, Campbell County

Evaluation Results: Ordered by Readiness Category

#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Estimated Cost	Benefit Score	Benefit Cost (Ex)	Readiness
1	Campbell	29	Wards Rd	Rt 683 (Lawyers Rd)	Terminal Dr	Access Management	1.1	TBD	77.11	High**	Medium
2	Amherst	29	Lynchburg Expressway	Rt 163 (Amherst St)	Rt 604 (S Coolwell Rd)	Traffic Operations/ Signal Coordination	3.7	\$1,625,500	76.31	High	Medium
4	Bedford	221	Forest Rd	Rt 1426 (Gristmill Dr)	Rt 126 (Graves Mill Rd)	Access Management	0.2	TBD	70.59	High**	Medium
5	Bedford	221	Forest Rd	Rt 1483 (Cloverhill Rd)	Rt 621 (Cottontown Rd)	Traffic Signal Coordination	1.6	\$625,000	70.20	High	Medium
6	Campbell	29	Wards Rd	S of Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Access mgmt, traffic ops, safety improvements	4.7	TBD	69.48	High**	Medium
7	Bedford	460	E Lynchburg Salem TrnPk	Rt 668 (Goode Rd)	Rt 811 (Thomas Jefferson)	Construct paved shldr In and access mgmt	2.8	TBD	69.32	High**	Medium
9	Campbell	29	Wards Rd	Rt 738 (English Tavern Rd)	Rt 683 (Lawyers Rd)	Signal and Access Management	0.5	TBD	65.90	High**	Medium
3	Campbell	460	Richmond Hwy	Rt 622 (Waterlick Rd)	Rt 501 (Campbell Ave)	Increase to 6 lanes	7.1	\$173,356,000	72.31	Medium	Low
8	Campbell	29	Rt 29 Alt (East)	S of Rt 24	Rt 460	New 4 lane limited access facility	10	\$363,245,000	66.83	Low	Low
10	Campbell	29	Wards Rd	Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Widen road (Rural 6 lane w/ median)	4.7	\$63,784,500	65.67	High	Low
11	Campbell	622	Waterlick Rd	Bedford Corp Limit	Rt 1520 (Rainbow Forest Dr)	Widen to 4 lanes	1.1	\$23,480,500	65.61	High	Low
12	Campbell	29	Rt 29 Alt (West)	S of Rt 24	Rt 460	New 4 lane limited access facility	4.5	\$244,951,000	65.48	Medium	Low
13	Campbell	29	Wards Rd	Rt 24 (Colonial Hwy)	Rt 685 (Calhoan Rd)	Widen road (rural 6 lane with median)	2.1	\$23,483,000	64.13	High	Low
14	Bedford	811	Thomas Jefferson Rd	Rt 221 (Forest Rd)	Rt 622 (Waterlick Rd)	Widen to 4 lanes	1.6	\$34,153,000	62.56	High	Low
15	Amherst	60	Richmond Highway	Rt 606 W	MPO Boundary	2 lane improvements	2.08	\$14,904,000	59.75	Medium	Low
16	Campbell	622	Waterlick Rd	Rt 460 (Timberlake Rd)	Rt 682 (Leesville Rd)	Widen to 4 lanes	1	\$20,889,000	59.34	High	Low
17	Amherst	163	South Amherst Hwy	Rt 685 (River Rd)	Rt 29 (Bus)	Widen to 4 lanes with bike lane	1.6	\$34,153,000	58.15	High	Low
18	Bedford	622	Waterlick Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen to 4 lanes	0.9	\$19,211,500	56.72	High	Low
19	Amherst	130	Elon Rd	NS Railroad Track	Rt 29 (Bus)	Widen to 4 lanes	1.9	\$40,556,500	55.18	Medium	Low
20	Amherst	60	Richmond Highway	Rt 29 Bypass	Rt 606 W	2 lane improvements	0.93	\$9,349,000	54.25	High	Low
21	Campbell	682	Leesville Rd	Lynchburg Corp Limits	Rt 460 (Richmond Hwy)	Widen to 4 lanes	2.1	\$41,663,500	54.23	Medium	Low
22	Bedford	501	Boonsboro Rd	Lynchburg Corp Limits	Study Area Boundary	Reconstruct portions as climbing lanes	4.8	TBD	53.87	Low	Low
23	Bedford	811	Thomas Jefferson Rd	Rt 622 (Waterlick Rd)	Rt 704 (Great Oak Rd)	Widen to 4 lanes	2.3	\$49,095,000	52.60	Medium	Low

**The project cost has not yet been estimated, but due to the nature of the project, the Benefit-Cost Score is expected to be high.

Draft Project Evaluation Results: Amherst County, Bedford County, Campbell County

Evaluation Results: Ordered by Readiness Category

#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Estimated Cost	Benefit Score	Benefit Cost (Ex)	Readiness
24	Bedford	811	Thomas Jefferson Rd	Rt 704 (Great Oak Rd)	Rt 460	Widen to 4 lanes	1.2	\$25,615,000	50.51	Medium	Low
25	Amherst	682	Woody's Lake Rd	Rt 29 (Bus)	End	Reconstruct Roadway	0.8	\$7,202,500	50.49	Low	Low
26	Campbell	501	Campbell Hwy	Rt 24 (Village Rd)	Rt 680 (Suburban Rd)	Widen to 4 lanes	2.2	\$27,387,500	50.17	Low	Low
27	Amherst	677	Dixie Airport Rd	Rt 699 (Amelon Rd)	Rt 622 (Galts Mill Rd)	Reconstruct 2 lane roadway	1.2	\$10,255,500	48.89	Medium	Low
28	Amherst	661	Old Stage Rd	Rt 624 (Sweet Briar Ln)	London Ln	2 lane improvements	0.5	\$2,849,000	48.83	Low	Low
29	Bedford	501	Boonsboro Rd	Rt 647 (Winding Creek Ln)	--	Relocate intersection, construct turn lane	0.3	TBD	48.72	Low	Low
30	Campbell	681	Sunburst Rd	Rt 460 (Richmond Hwy)	Rt 622 (Waterlick Rd)	Reconstruct 2 lane roadway	2.6	\$21,736,000	48.64	Medium	Low
31	Amherst	663	Izaak Walton Rd	Rt 130 (Glade Rd)	Rt 604 (S Coolwell Rd)	Reconstruct 2 lane roadway	4.5	\$25,651,000	48.25	Low	Low
32	Bedford	621	Cottontown Rd	Rt 662 (Hooper Rd)	Rt 660 (Hawkins Mill Rd)	Reconstruct 2 lane roadway	1.7	\$12,793,000	46.81	Medium	Low
33	Amherst	685	River Rd	Rt 130	NS Railroad Tracks	Reconstruct 2 lane roadway	3.8	\$26,877,000	46.40	Low	Low
34	Amherst	622	New Wright Shop Rd	Rt 210 (Colony Rd)	Rt 677 (Dixie Airport Rd)	Reconstruct 2 lane roadway	2.3	\$19,657,000	46.06	Medium	Low
35	Amherst	0	(new road)	Rt 29 (Bus)	Fernwood Dr	New 2 lane connector road	0.62	\$6,232,000	45.97	Low	Low
36	Campbell	738	English Tavern Rd	Rt 29 (Wards Rd)- South int	Rt 680 (Suburban Rd)	Widen to 24 ft	1.2	\$10,032,000	45.06	Medium	Low
37	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	\$21,459,500	44.90	Low	Low
38	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen pavement to 24 ft	1.2	\$9,030,000	44.02	Low	Low
39	Amherst	210	Colony Rd	Rt 163	Rt 1034	2 lane reconstruction with shoulder	0.3	\$2,815,000	43.80	Medium	Low
40	Campbell	738	English Tavern Rd	Rt 680 (Suburban Rd)	Rt 29 (Wards Rd)- North int	Widen to 24 ft	1.6	\$13,376,000	43.56	Medium	Low
41	Campbell	726	Mt Athos Rd	Rt 460 (Richmond Hwy)	Babcock and Wilcox	Upgrade existing 2 lane rd	1.9	\$13,614,000	43.43	High	Low
42	Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	1.25	\$9,429,000	43.31	Medium	Low
43	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 lane reconstruction	1.1	\$6,271,000	41.96	Low	Low
44	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	\$28,660,000	41.96	Low	Low
45	Bedford	644	Coffee Rd	Rt 665N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	\$45,140,500	41.35	Low	Low
46	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	2	\$14,330,000	40.46	Low	Low
47	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22ft	3.1	\$17,671,000	40.46	Low	Low
48	Bedford	659	Hawkins Mill Rd	Rt 660 (Old Farm Rd)	Lynchburg Corp Limits	Reconstruct 2 In roadway	1.3	\$9,783,000	39.96	Medium	Low
49	Bedford	663	Perrowville Rd	Rt 1431 (Quail Ridge Rd)	Rt 644 (Coffee Rd)	Reconstruct 2 lane roadway	2.1	\$15,047,000	38.47	Medium	Low

**The project cost has not yet been estimated, but due to the nature of the project, the Benefit-Cost Score is expected to be high.

Draft Project Evaluation Results:
Performance Measurement Results and Benefit Scores

#	Jurisdiction	Rte #	Facility Name	Project Description			Mobility and Accessibility				Safety		Economy			Community and Nature				Efficiency				Final Score
				From	To	Improvement	length	Congestion Relief	Traffic Volume	Freight Support	Alternative Transportation	Accident Rate	Safety Features	Economic Development	Commuter Support	Employment Centers Support	Avoids Sensitive Environments	Corridor Beautification	Right of Way Sufficiency	Maintenance Needs	State Functional Class	Plan Coordination	Benefit Distribution	
1	Campbell	29	Wards Rd	RT 683 (Lawyers Rd)	Terminal Dr	Access Management	1.1	Med	High	High	Low	High	High	High	High	High	TBD	High	High	Low	High	High	77.11	
2	Amherst	29	Lynchburg Expressway	Rt 163 (Amherst St)	Rt 604 (S Coolwell Rd)	Traffic Operations/Signal Coordination	3.7	Med	High	Med	Low	High	High	High	Med	Med	TBD	High	High	Low	High	High	76.31	
3	Campbell	460	Richmond Hwy	Rt 622 (Waterlick Rd)	Rt 501 (Campbell Ave)	Increase to 6 lanes	7.1	Med	High	High	Low	High	High	Med	Med	Med	TBD	High	High	Med	High	High	72.31	
4	Bedford	221	Forest Rd	Rt 1426 (Gristmill Dr)	Rt 126 (Graves Mill Rd)	Access Management	0.2	Med	High	Low	Low	High	High	High	Med	Med	TBD	High	High	Med	Med	Med	70.59	
5	Bedford	221	Forest Rd	Rt 1483 (Cloverhill Blvd)	Rt 621 (Cottontown Rd)	Evaluate and update signal timing	1.6	Low	High	Low	Low	High	High	High	Med	Med	TBD	High	High	Med	Med	Med	70.21	
6	Campbell	29	Wards Rd	S of Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Access mgmt, traffic improvements	4.7	Low	High	High	Low	High	High	High	Med	Low	TBD	High	High	Low	High	High	69.48	
7	Bedford	460	E Lynchburg Salem Trnkp	Rt 688 (Goode Rd)	Rt 811 (Thomas Jefferson)	Construct paved shldr in and access mgmt	2.8	Low	Med	High	Low	High	High	High	Med	Low	TBD	High	High	Med	High	High	69.32	
8	Campbell	29	Rt 29 Alt (East)	S of Rt 24	Rt 460	New 4 lane limited access facility	10	Low	High	High	Low	High	High	High	Med	Low	TBD	High	High	Med	High	High	66.83	
9	Campbell	29	Wards Rd	Rt 738 (English Tavern Rd)	Rt 683 (Lawyers Rd)	Signal and Access Management	0.5	Low	High	High	Low	High	High	High	Med	Low	TBD	High	High	Low	High	High	65.90	
10	Campbell	29	Wards Rd	Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Widen road (rural 6 lane w/ Median)	4.7	Low	High	High	Low	High	High	High	Med	Low	TBD	High	High	Med	High	High	65.67	
11	Campbell	622	Waterlick Rd	Bedford Corp Limit	Rt 1520 (Rainbow Forest Dr)	Widen to 4 lanes	1.1	High	High	Low	High	High	High	High	Med	Low	TBD	High	High	Low	Med	Med	65.61	
12	Campbell	29	Rt 29 Alt (West)	S of Rt 24	Rt 460	New 4 lane limited access facility	4.5	Low	High	High	Low	High	High	High	Med	Low	TBD	High	High	Low	High	High	65.48	
13	Campbell	29	Wards Rd	Rt 24 (Colonial Hwy)	Rt 685 (Calhoan Rd)	Widen road (rural 6 lane with Median)	2.1	Low	Med	High	Low	High	High	High	Med	Low	TBD	High	High	Med	High	High	64.13	
14	Bedford	811	Thomas Jefferson Rd	Rt 221 (Forest Rd)	Rt 622 (Waterlick Rd)	Widen to 4 lanes	1.6	High	High	Low	High	High	High	High	Low	Low	TBD	High	High	Low	Low	Low	62.56	
15	Amherst	60	Richmond Highway	Rt 606 W	MPO Boundary	2 lane improvements	2.08	Low	Low	High	Low	High	High	High	Med	Low	TBD	High	High	High	Low	Low	59.75	
16	Campbell	622	Waterlick Rd	Rt 460 (Timberlake Rd)	Rt 682 (Leesville Rd)	Widen to 4 lanes	1	Med	High	Low	Med	High	High	High	Med	Low	TBD	High	High	Low	Low	Low	59.34	
17	Amherst	163	South Amherst Hwy	Rt 685 (River Rd)	Rt 29 (Bus)	Widen to 4 lanes with bike lane	1.6	Med	High	Low	High	High	High	High	Med	Low	TBD	High	High	Low	Med	Med	58.15	
18	Bedford	622	Waterlick Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen to 4 lanes	0.9	Med	High	Low	High	High	High	High	Med	Low	TBD	High	High	Low	Med	Med	56.72	
19	Amherst	130	Elon Rd	NS Railroad Track	Rt 29 (Bus)	Widen to 4 lanes	1.9	Low	Med	High	High	High	High	High	Med	Low	TBD	High	High	Low	Low	Low	55.18	
20	Amherst	60	Richmond Highway	Rt 29 Bypass	Rt 606 W	2 lane improvements	0.93	Low	Low	High	High	High	High	High	Low	Low	TBD	High	High	High	High	High	54.25	

Draft Project Evaluation Results:
Performance Measurement Results and Benefit Scores

#	Jurisdiction	Rte #	Facility Name	Project Description				Mobility and Accessibility				Safety			Economy			Community and Nature				Efficiency				Final Score
				From	To	Improvement	length	Congestion Relief	Traffic Volume	Freight Support	Alternative Transportation	Accident Rate	Safety Features	Economic Development	Commuter Support	Employment Centers Support	Avoids Sensitive Environments	Corridor Beautification	Right of Way Sufficiency	Maintenance Needs	State Functional Class	Plan Coordination	Benefit Distribution			
21	Campbell	682	Leesville Rd	Lynchburg Corp Limits	Rt 460 (Richmond Hwy)	Widen to 4 lanes	2.1	Med	High	Low	Low	High	Med	Low	Low	Low	Low	Low	Med	Low	Low	Med	54.23			
22	Bedford	501	Boonsboro Rd	Lynchburg Corp Limits	Study Area Boundary	Reconstruct portions as climbing lanes	4.8	Low	Med	Low	Low	Med	Low	Low	Low	Med	Low	TBD	Med	Low	Low	Med	53.87			
23	Bedford	811	Thomas Jefferson Rd	Rt 622 (Waterlick Rd)	Rt 704 (Great Oak Rd)	Widen to 4 lanes	2.3	Low	Med	High	Low	High	Med	Low	Low	Low	Low	TBD	Low	Low	Low	Low	52.60			
24	Bedford	811	Thomas Jefferson Rd	Rt 704 (Great Oak Rd)	Rt 460	Widen to 4 lanes	1.2	Low	Med	High	Low	High	Med	Low	Low	Low	Low	TBD	Low	Low	Low	Low	50.51			
25	Amherst	682	Woody's Lake Rd	Rt 29 (Bus)	End	Reconstruct Roadway	0.8	Low	Low	Med	Low	Med	Low	Low	High	Low	Low	TBD	Low	Med	Low	Low	50.49			
26	Campbell	501	Campbell Hwy	Rt 24 (Village Rd)	Rt 680 (Suburban Rd)	Widen to 4 lanes	2.2	Low	Low	Low	Low	Low	Med	Low	Low	Med	Low	TBD	Med	Low	Low	High	50.17			
27	Amherst	677	Dixie Airport Rd	Rt 699 (Amidon Rd)	Rt 622 (Galts Mill Rd)	Reconstruct 2 lane roadway	1.2	Low	Low	Low	Low	Low	Med	Low	Med	Low	Low	TBD	Med	Low	Low	Low	48.89			
28	Amherst	661	Old Stage Rd	Rt 130 (Sweet Briar Ln)	London Ln	2 lane improvements	0.5	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	TBD	Low	High	Low	Low	48.83			
29	Bedford	501	Boonsboro Rd	Rt 647 (Winding Creek Ln)	--	Relocate intersection, construct turn lane	0.3	Low	Low	Low	Low	Med	Low	Low	High	Low	Low	TBD	Med	Low	Low	Low	48.72			
30	Campbell	681	Sunburst Rd	Rt 460 (Richmond Hwy)	Rt 622 (Waterlick Rd)	Reconstruct 2 lane roadway	2.6	Low	Low	Low	Low	Low	Low	Low	High	Low	Low	TBD	Low	Low	Low	Low	48.64			
31	Amherst	663	Izaak Walton Rd	Rt 130 (Glade Rd)	Rt 604 (S Coolwell Rd)	Reconstruct 2 lane roadway	4.5	Low	Low	Low	Low	Low	Med	Low	Med	Low	Low	TBD	Low	Med	Low	Low	48.25			
32	Bedford	621	Cottontown Rd	Rt 662 (Hooper Rd)	Rt 660 (Hawkins Mill Rd)	Reconstruct 2 lane roadway	1.7	Low	Low	Low	Low	Low	Low	Low	High	Low	Low	TBD	Low	Low	Low	Low	46.81			
33	Amherst	685	River Rd	Rt 130	NS Railroad Tracks	Reconstruct 2 lane roadway	3.8	Low	Low	Low	Low	Med	Low	Low	Low	Low	Low	TBD	Low	Low	Med	Low	46.40			
34	Amherst	622	New Wright Shop Rd	Rt 210 (Colony Rd)	Rt 677 (Dixie Airport Rd)	Reconstruct 2 lane roadway	2.3	Low	Low	Low	Low	Low	Low	Low	Med	Low	Low	TBD	Med	Low	Low	Low	46.06			
35	Amherst	0	(new road)	Rt 29 (Bus)	Fernwood Dr	New 2 lane connector road	0.62	Low	Low	High	Low	High	Low	Low	High	Med	Low	TBD	Low	Low	Low	Low	45.97			
36	Campbell	738	English Tavern Rd	Rt 29 (Wards Rd)- South int	Rt 680 (Suburban Rd)	Widen to 24 ft	1.2	Low	Low	Low	Low	Low	Low	Low	Med	Low	Low	TBD	Low	Low	Low	Low	45.06			
37	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	Low	Low	Med	Low	Med	Low	Low	High	Low	Low	TBD	Low	Med	Low	Low	44.90			
38	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen pavement to 24 ft	1.2	Low	Low	Low	Low	Low	Low	Low	High	Low	Low	TBD	Med	Low	Med	Low	44.02			
39	Amherst	210	Colony Rd	Rt 163	Rt 1034	2 lane reconstruction with shoulder	0.3	Low	Low	Low	Low	Low	Med	Low	Med	Low	Low	TBD	Med	Low	Low	Low	43.80			
40	Campbell	738	English Tavern Rd	Rt 680 (Suburban Rd)	Rt 29 (Wards Rd)- North int	Widen to 24 ft	1.6	Low	Low	Low	Low	Low	Low	Low	Med	Low	Low	TBD	Med	Low	Low	Low	43.56			
41	Campbell	726	Mt Athos Rd	Rt 460 (Richmond Hwy)	Babcock and Wilcox	Upgrade existing 2 lane rd	1.9	High	Med	Low	Low	Low	Low	Low	Med	Low	Low	TBD	Med	Low	Low	Low	43.43			
42	Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	1.25	Low	Low	Low	Low	Low	Low	Low	Med	Low	Low	TBD	Low	Med	Low	Low	43.31			

Draft Project Evaluation Results:
Performance Measurement Results and Benefit Scores

		Project Description				Mobility and Accessibility				Safety		Economy			Community and Nature				Efficiency				Final Score	
#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Congestion Relief	Traffic Volume	Freight Support	Alternative Transportation	Accident Rate	Safety Features	Economic Development	Commuter Support	Employment Centers Support	Avoids Sensitive Environments	Corridor Beautification	Right of Way Sufficiency	Maintenance Needs	State Functional Class	Plan Coordination	Benefit Distribution	Final Score
43	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 lane reconstruction	1.1	Low	Low	Low	Low	Low	Med	Low	Low	Low	High	Low	High	TBD	Low	Low	Low	41.96
44	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	Low	Low	Low	Low	Low	Med	Low	Low	Low	High	Low	High	TBD	Low	Low	Low	41.96
45	Bedford	644	Coffee Rd	Rt 665N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	Low	Low	Med	Low	Low	Med	Low	Low	Low	Med	Low	Med	TBD	Low	Low	Med	41.35
46	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22ft	3.1	Low	Low	Low	Low	Low	Med	Low	Low	Low	Med	Low	High	TBD	Low	Low	Low	40.46
47	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	2	Low	Low	Low	Low	Low	Med	Low	Low	Low	Med	Low	High	TBD	Low	Low	Low	40.46
48	Bedford	659	Hawkins Mill Rd	Rt 660 (Old Farm Rd)	Lynchburg Corp Limits	Reconstruct 2 ln roadway	1.3	Low	Low	Low	Low	Low	Med	Low	Low	Low	High	Low	Med	TBD	Low	Low	Low	39.96
49	Bedford	663	Perrowville Rd	Rt 1431 (Quail Ridge Rd)	Rt 644 (Coffee Rd)	Reconstruct 2 lane roadway	2.1	Low	Low	Low	Low	Low	Med	Low	Low	Low	Med	Low	High	TBD	Low	Low	Low	38.47

Draft Project Evaluation Results:
Environmental Screening Measurements

		Project Description					Environmental Features							Total Score	
#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Wetlands	Rivers/Streams	Agriculture/ Forest Districts	Cultural Resources	Conservation Lands	Virginia Outdoor Foundation Easements	Endangered Species Habitat	Total Score
1	Amherst	29	Lynchburg Expressway	Rt 163 (Amherst St)	Rt 604 (S Coolwell Rd)	Traffic Management/ Signal Coordination	0.52	1	2	2	2	2	2	2	13
2	Amherst	60	Richmond Highway	Rt 606W	Study Area Boundary	2 lane improvements	2.08	1	0	2	2	2	2	2	11
3	Amherst	60	Richmond Highway	Rt 29 Bypass	Rt 606 W	2 lane improvements	0.93	1	0	2	2	2	2	2	11
4	Amherst	130	Elon Rd	NS Railroad Track	Rt 29 Business	Widen to 4 lanes	1.9	2	2	2	2	2	2	2	14
5	Amherst	163	South Amherst Hwy	Rt 685 (River Rd)	Rt 29 Business	Widen to 4 lanes with bike lane	1.6	0	0	2	2	1	2	0	7
6	Amherst	210	Colony Rd	Rt 163	Rt 1034	2 ln reconstruction with shoulder	0.3	1	2	2	2	2	2	2	13
7	Amherst	622	New Wright Shop Rd	Colony Rd (Rt 210)	Dixie Airport Rd (Rt 677)	Reconstruct 2 lane roadway	2.3	1	0	2	2	2	2	2	11
8	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 ln reconstruction	1.1	2	0	2	2	2	2	2	12
9	Amherst	661	Old Stage Rd	Rt 624 (Sweet Briar Ln)	London Ln	Road Widening	0.5	1	2	2	2	2	2	2	13
10	Amherst	663	Izaak Walton Rd	Rt 130 (Glade Rd)	Rt 604 (Coolwell Rd)	Reconstruct 2 lane roadway	4.5	1	0	2	2	2	2	2	11
11	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22 ft	3.1	1	0	2	1	2	2	0	8
12	Amherst	677	Dixie Airport Rd	Amelon Rd (Rt 699)	Galts Mill Rd (Rt 622)	Reconstruct 2 lane roadway	1.2	2	1	2	2	2	2	2	13
13	Amherst	685	River Rd	Rt 130 (Elon Rd)	NS Railroad Tracks	Reconstruct 2 lane roadway	3.8	1	1	2	2	2	2	0	10
14	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	0	0	2	2	1	2	0	7
15	Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	1.25	1	2	2	1	2	2	2	12
16	Amherst		(new)	Rt 29 Business	Fernwood Dr	New 2 lane connector road	0.62	1	0	2	2	2	2	2	11
17	Amherst	682	Woody's Lake Rd	Rt 29 Bus	End	Reconstruct Rdway	0.8	0	0	2	2	2	2	2	10
18	Bedford	221	Forest Rd	Rt 1426 (Gristmill Dr)	Rt 126 (Graves Mill Rd)	Access management	0.2	1	2	2	2	2	2	2	13
19	Bedford	221	Forest Rd	Rt 1483 (Cloverhill Blvd)	Rt 621 (Cottontown Rd)	Evaluate and update signal timing	1.6	1	2	2	2	2	2	2	13
20	Bedford	460	E Lynchburg Salem Trnpl	Rt 668 (Goode Rd)	Rt 811 (Thomas Jefferson Rd)	Construct paved shoulder lane and access management	2.8	1	0	2	1	2	2	2	10

Draft Project Evaluation Results:
Environmental Screening Measurements

		Project Description					Environmental Features							Total Score	
#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Wetlands	Rivers/Streams	Agriculture/ Forest Districts	Cultural Resources	Conservation Lands	Virginia Outdoor Foundation Easements	Endangered Species Habitat	Total Score
21	Bedford	501	Boonsboro Rd	Rt 647 (Winding Creek Ln)	--	Relocate intersection, construct turn lane	0.3	1	2	2	2	2	2	2	13
22	Bedford	501	Boonsboro Rd	Lynchburg Corp Limits	Study Area Boundary	Reconstruct portions as climbing lanes	4.8	1	0	2	2	2	2	1	10
23	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	1	2	2	2	2	2	2	13
24	Bedford	621	Cottontown Rd	Rt 662 (Hooper Rd)	Rt 660 (Hawkins Mill Rd)	Reconstruct 2 lane roadway	1.7	1	0	2	2	2	1	0	8
25	Bedford	622	Waterlick Rd	Rt 811 (Thomas Jefferson Rd)	Campbell County Line	Widen to 4 lanes	0.9	1	2	2	2	2	2	2	13
26	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	3.1	1	0	2	2	2	2	0	9
27	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell County Line	Widen pavement to 24 ft	1.2	2	2	2	2	2	2	2	14
28	Bedford	644	Coffee Rd	Rt 665 N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	0	0	2	2	2	2	1	9
29	Bedford	659	Hawkins Mill Rd	Rt 660 (Old Farm Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	1.3	1	2	2	2	2	2	2	13
30	Bedford	663	Perrowville Rd	Rt 1431 (Quail Ridge Rd)	Rt 644 (Coffee Rd)	Reconstruct 2 lane roadway	2.1	1	2	2	1	0	2	2	10
31	Bedford	811	Thomas Jefferson Rd	Rt 221 (Forest Rd)	Rt 622 (Waterlick Rd)	Widen to 4 lanes	1.6	1	2	2	1	1	1	2	10
32	Bedford	811	Thomas Jefferson Rd	Rt 622 (Waterlick Rd)	Rt 704 (Great Oak Rd)	Widen to 4 lanes	2.3	1	0	2	2	2	2	2	11
33	Bedford	811	Thomas Jefferson Rd	Rt 704 (Great Oak Rd)	Rt 460 (E Lynchburg Salem Turnpike)	Widen to 4 lanes	1.2	1	1	2	1	2	2	2	11
34	Campbell	29	Rt 29 Alt (West)	S of Rt 24	Rt 460	New 4 lane limited access facility	4.5	1	0	2	2	2	2	0	9
35	Campbell	29	Rt 29 Alt (East)	S of Rt 24	Rt 460	New 4 lane limited access facility	10	0	0	2	2	2	1	2	9
36	Campbell	29	Wards Rd	Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Widen Rd (Rural 6 lane w/ median)	4.7	1	0	2	2	2	2	2	11
37	Campbell	29	Wards Rd	Rt 24 (Colonial Hwy)	Rt 685 (Calohan Rd)	Widen to rural 6 lane w/ median	2.1	1	0	2	2	2	2	2	11

Draft Project Evaluation Results:
Environmental Screening Measurements

Project Description										Environmental Features							Total Score
#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	Wetlands	Rivers/Streams	Agriculture/ Forest Districts	Cultural Resources	Conservation Lands	Virginia Outdoor Foundation Easements	Endangered Species Habitat	Total Score		
38	Campbell	29	Wards Rd	S of Rt 685	Lynchburg Corp Limits	Access Management, traffic operations, safety improvements	4.7	1	0	2	2	2	2	2	11		
39	Campbell	29	Wards Rd	Rt 738 (English Tavern Rd)	Rt 683 (Lawyers Rd)	Signal and Access Management	0.5	1	1	2	2	2	2	2	12		
40	Campbell	29	Wards Rd	Rt 683 (Lawyers Rd)	Terminal Dr	Access Management	1.1	1	1	2	2	2	2	2	12		
41	Campbell	501	Campbell Highway	Rt 24 (Village Hwy)	Rt 680 (Suburban Rd)	Widen to 4 lanes	2.2	0	0	2	1	2	2	2	9		
42	Campbell	622	Waterlick Rd	Bedford County Line	Rt 1520 (Rainbow Forest Dr)	Widen to 4 lanes	1.1	2	2	2	2	2	2	2	14		
43	Campbell	622	Waterlick Rd	Rt 460 (Timberlake Rd)	Rt 682 (Leesville Rd)	Widen to 4 lanes	1	1	0	2	2	1	2	2	10		
44	Campbell	681	Sunburst Rd	Rt 460 (Richmond Highway)	Rt 622 (Waterlick Rd)	Reconstruct 2 lane roadway	2.6	1	0	2	2	2	2	2	11		
45	Campbell	682	Leesville Rd	Lynchburg Corp Limits	Rt 460 (Richmond Hwy)	Widen to 4 lanes	2.11	1	2	2	2	0	2	2	11		
46	Campbell	726	Mt Athos Rd	Rt 460 (Richmond Highway)	Babcock and Wilcox	Upgrade existing 2 lane road	1.9	0	0	2	1	2	2	0	7		
47	Campbell	738	English Tavern Rd	Rt 680 (Suburban Rd)	Rt 29 (north intersection)	Widen to 24 ft	1.6	1	0	2	2	2	2	2	11		
48	Campbell	738	English Tavern Rd	Rt 29 (south intersection)	Rt 680 (Suburban Rd)	Widen to 24 ft	1.2	2	2	2	2	2	2	2	14		
49	Lynchburg/ Campbell	460	Richmond Highway	Rt 622 (Waterlick Rd)	Rt 501 (Campbell Ave)	Increase to 6 lanes	7.1	1	0	2	1	2	2	2	10		

Draft Project Evaluation Results:
Project Cost Estimation Factors

#	Jurisdiction	Rte #	Project Description				Length	U/R	Elements					Cost Estimate (\$1,000)			
			Facility Name	From	To	Improvement			Lanes	Bike Lanes	Sidewalks	ROW	Other (Describe)	PE	ROW	CN	Total
1	Amherst	29	Amherst Highway	Rt 163 (Amherst St)	Rt 604 (S Coolwell Rd)	Traffic Management/Signal Coordination	3.7	-	-	-	-	-	406.5	0	1219	1625.5	
2	Amherst	60	Richmond Highway	Rt 606W	Study Area Boundary	2 lane improvements	2.08	R	N	N	R		3104.5	2486	9313.5	14904	
3	Amherst	60	Richmond Highway	Rt 29 Bypass	Rt 606 W	2 lane improvements	0.93	U	Y	Y	SLD		1470.5	3466.5	4412	9349	
4	Amherst	130	Elon Rd	NS Railroad Track	Rt 29 Business	Widen to 4 lanes	1.9	U	Y	Y	SLD		6379.5	15039.5	19137.5	40556.5	
5	Amherst	163	South Amherst Hwy	Rt 685 (River Rd)	Rt 29 Business	Widen to 4 lanes with bike lane	1.6	U	Y	Y	SLD		5372	12665	16116	34153	
6	Amherst	210	Colony Rd	Rt 163	Rt 1034	2 lane reconstruction w/ shoulders	0.3	U	N	N	SLD	Shoulder	443	1043	1329	2815	
7	Amherst	622	New Wright Shop Rd	Rt 210 (Colony Rd)	Rt 677 (Dixie Airport Rd)	Reconstruct 2 lane roadway	2.3	U	N	N	SLD		3091	7294	9272	19657	
8	Amherst	652	Cedar Gate Rd	Rt 657	Rt 675	2 In reconstruction	1.1	R	N	N	R		1305	1051	3915	6271	
9	Amherst	661	Old Stage Rd	Rt 624 (Sweet Briar Ln)	London Ln	Road Widening	0.5	R	N	N	R		592.5	477	1779.5	2849	
10	Amherst	663	Izaak Walton Rd	Rt 130 (Glade Rd)	Rt 604 (Coolwell Rd)	Reconstruct 2 lane roadway	4.5	R	N	N	R		5338.5	4298	16014.5	25651	
11	Amherst	675	Winesap Rd	Rt 652	Rt 795	Widen pavement to 22 ft	3.1	R	N	N	R		3677.5	2961	11032.5	17671	
12	Amherst	677	Dixie Airport Rd	Rt 699 (Amelon Rd)	Rt 622 (Galts Mill Rd)	Reconstruct 2 lane roadway	1.2	U	N	N	SLD		1612.5	3805.5	4837.5	10255.5	
13	Amherst	685	River Rd	Rt 130	NS Railroad Tracks	Reconstruct 2 lane roadway	3.8	R	Y	N	R		5130.5	4133	15390.5	24654	
14	Amherst	685	River Rd	NS Railroad Tracks	Rt 163	Reconstruct 2 lane roadway	2.5	R	Y	N	SLD		3375	7959.5	10125	21459.5	
15	Amherst	795	Winridge Rd	Rt 130	Rt 675	Reconstruct 2 lane roadway	1.25	R	N	N	SLD		1483	3497.5	4448.5	9429	
16	Amherst		(new)	Rt 29 Business	Fernwood Dr	New 2 lane connector road	0.62	U	Y	Y	SLD		980	2311	2941	6232	
17	Amherst	682	Woody's Lake Rd	Rt 29 Bus	End	Reconstruct Rdway	0.8	U	N	Y	SLD		1133	2670.5	3399	7202.5	
18	Bedford	221	Forest Rd	Rt 1483 (Cloverhill Blvd)	Rt 621 (Cottontown Rd)	Evaluate and update signal timing	1.6	-	-	-	-	Coordinate 5 signals	156	0	469	625	
19	Bedford	621	Cottontown Rd	Rt 644 (Coffee Rd)	Rt 662 (Hooper Rd)	Reconstruct 2 lane roadway	4	R	N	N	R		5970	4780	17910	28660	
20	Bedford	621	Cottontown Rd	Rt 662 (Hooper Rd)	Rt 660 (Hawkins Mill Rd)	Reconstruct 2 lane roadway	1.7	U	N	N	SLD		2284.5	3655	6853.5	12793	
21	Bedford	622	Waterlick Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen to 4 lanes	0.9	U	Y	Y	SLD		3021.5	7124.5	9065.5	19211.5	
22	Bedford	622	Everett Rd	Kensington Pkwy	Rt 646 (Gladden Cir)	Reconstruct 2 lane roadway	2	R	N	N	R		2985	2390	8955	14330	

Draft Project Evaluation Results:
Project Cost Estimation Factors

Project Description										Elements						Cost Estimate (\$1,000)		
#	Jurisdiction	Rte #	Facility Name	From	To	Improvement	Length	U/R	Lanes	Bike Lanes	Sidewalks	ROW	Other (Describe)	PE	ROW	CN	Total	
23	Bedford	623	Turkey Foot Rd	Rt 811 (Thomas Jefferson Rd)	Campbell Corp Limits	Widen pavement to 24 ft	1.2	U	2	N	N	SLD		1612.5	2580	4837.5	9030	
24	Bedford	644	Coffee Rd	Rt 665N (Elk Valley Rd)	Lynchburg Corp Limits	Reconstruct 2 lane roadway	6.3	R	2	N	N	R		9403	7529	28208.5	45140.5	
25	Bedford	659	Hawkins Mill Rd	Rt 660 (Old Farm Rd)	Lynchburg Corp Limits	Reconstruct 2 ln roadway	1.3	U	2	N	N	SLD		1747	2795	5241	9783	
26	Bedford	663	Perrowville Rd	Rt 1431 (Quail Ridge Rd)	Rt 644 (Coffee Rd)	Reconstruct 2 lane roadway	2.1	R	2	N	N	R		3134.5	2510	9402.5	15047	
27	Bedford	811	Thomas Jefferson Rd	Rt 221 (Forest Rd)	Rt 622 (Waterlick Rd)	Widen to 4 lanes	1.6	U	4	Y	Y	SLD		5372	12665	16116	34153	
28	Bedford	811	Thomas Jefferson Rd	Rt 622 (Waterlick Rd)	Rt 704 (Great Oak Rd)	Widen to 4 lanes	2.3	U	4	Y	Y	SLD		7722.5	18206	23166.5	49095	
29	Bedford	811	Thomas Jefferson Rd	Rt 704 (Great Oak Rd)	Rt 460	Widen to 4 lanes	1.2	R	4	Y	Y	SLD		4029	9499	12087	25615	
30	Campbell	29	Rt 29 Alt (West)	S of Rt 24	Rt 460	New 4 lane limited access facility	4.5	R	4	N	N	R	4 overpass bridges	47036.5	56806	141109	244951	
31	Campbell	29	Rt 29 Alt (East)	S of Rt 24	Rt 460	New 4 lane limited access facility	10	R	4	N	N	R	5 overpass bridges	69700	84445	209100	363245	
32	Campbell	29	Wards Rd	Rt 685 (Calohan Rd)	Lynchburg Corp Limits	Widen road (Rural 6 lane w/ median)	4.7	R	6	N	N	SLD		10034.5	23646.5	30103.5	63784.5	
33	Campbell	29	Wards Rd	Rt 24 (Colonial Hwy)	Rt 685 (Calohan Rd)	Widen road (rural 6 lane with median)	2.1	R	6	N	N	R		4483.5	5549	13450.5	23483	
34	Campbell	460	Richmond Hwy	Rt 622 (Waterlick Rd)	Rt 501 (Campbell Ave)	Increase to 6 lanes	7.1	U	6	N	N	SLD		27335	64015.5	82005	173355.5	
35	Campbell	501	Campbell Hwy	Rt 24 (Village Rd)	Rt 680 (Suburban Rd)	Widen to 4 lanes	2.2	R	4	N	N	R		5234.5	6450	15703	27387.5	
36	Campbell	622	Waterlick Rd	Bedford Corp Limit	Rt 1520 (Rainbow Forest Dr)	Widen to 4 lanes	1.1	U	4	Y	Y	SLD		3693.5	8707.5	11079.5	23480.5	
37	Campbell	622	Waterlick Rd	Rt 460 (Timberlake Rd)	Rt 682 (Leesville Rd)	Widen to 4 lanes	1	U	4	Y	N	SLD		3285	7749	9855	20889	
38	Campbell	681	Sunburst Rd	Rt 460 (Richmond Hwy)	Rt 622 (Waterlick Rd)	Reconstruct 2 lane roadway	2.6	R	2	N	N	SLD		3880.5	6214	11641.5	21736	
39	Campbell	682	Leesville Rd	Lynchburg Corp Limits	Rt 460 (Richmond Hwy)	Widen to 4 lanes	2.1	U	4	N	N	SLD		6552	15455.5	19656	41663.5	
40	Campbell	726	Mt Athos Rd	Rt 460 (Richmond Hwy)	Babcock and Wilcox rd	Upgrade existing 2 lane rd	1.9	R	2	N	N	R		2836	2271	8507	13614	
41	Campbell	738	English Tavern Rd	Rt 680 (Suburban Rd)	Rt 29 (Wards Rd)-North int	Widen to 24 ft	1.6	R	2	N	N	SLD		2388	3824	7164	13376	
42	Campbell	738	English Tavern Rd	Rt 29 (Wards Rd)-South int	Rt 680 (Suburban Rd)	Widen to 24 ft	1.2	R	2	N	N	SLD		1791	2868	5373	10032	

Project Evaluation

Project ID	1
Description	
Jurisdiction	Campbell
Route #	29
Facility Name	Wards Rd
From	Rt 683 (Lawyers Rd)
To	Terminal Dr
Improvement	Access Management
Length (mi)	1.1
Estimated Cost	TBD
Proposed Project Features	
Increases Vehicle Capacity	Yes
Alternative Transportation Facilities	None
Safety Improvements	Primary: Access Management
Streetscaping	No
Data	
2040 V/C	0.81
2040 Weighted Traffic Flow	480
Truck Volume	6.24
Accidents 2011-2013	66
Top 20 Accident Rate	Yes
Functional Classification	Urban Other Principle Arterial
Surrounding Employment Density	Less than 1 job per acre
Environmental Resource Score	12
Significance	
Economic Development Plans	None
Corridor of Regional or State Significance	Yes
Primary Commuter Road	Yes
Benefiting Localities	Regional
Plan Recommendations	

Project Readiness	
NEPA Screening	1
Right of Way Acquisition	1
Continuation of Ongoing Project	0
Total	2
Readiness Rating	Medium

Benefit to Cost Variables	
Benefit Score	77.1
Estimated Cost	TBD
Estimated Users	46092
Benefit to Cost Score	TBD
Benefit to Cost Rating	High**

Theme	Points	Weight	Score
Mobility and Accessibility	74.3	20%	14.9
Safety	100.0	25%	25.0
Economy	71.0	25%	17.7
Community and Nature	80.0	15%	12.0
Efficiency	50.0	15%	7.5
Total Project Benefit Score			77.1

Scoring Summary				
Mobility and Accessibility	Rating	Points	Weight	Score
Congestion	Med	66.7	37%	24.7
0.8 < V/C < 1.1				
Traffic Flow	High	100	23%	23.0
WTF > 302				
Freight Volume	High	100	20%	20.0
T > 5%				
Alternative Transportation	Low	33.3	20%	6.7
Does not include alternative transportation facilities				
Total Score				74.3

Safety	Rating	Points	Weight	Score
Accidents	High	100	61%	61.0
More than 30 accidents from 2011-2013				
Safety Features	High	100	39%	39.0
Project includes safety-specific improvements				
Total Score				100.0

Economy	Rating	Points	Weight	Score
Economic Development Strategies	Med	66.7	25%	16.7
Improves a regionally-significant economic corridor				
Commuter Travel	High	100	44%	44.0
Improves a major commuter corridor with significant congestion				
Surrounding Employment Density	Low	33.3	31%	10.3
Less than 1 job per acre				
Total Score				71.0

Community and Nature	Rating	Points	Weight	Score
Sensitive Environmental Resources	High	100	30%	30.0
Environmental Screening score > 11				
Streetscaping	Low	33.3	30%	10.0
Will not include streetscaping features				
Right of Way Sufficiency	High	100	40%	40.0
Will not require the purchase of additional right of way				
Total Score				80.0

Efficiency	Rating	Points	Weight	Score
Maintenance Status	TBD		32%	0.0
State Functional Classification	High	100	10%	10.0
Interstate, Freeway & Expressway, or Other Principle Arterial				
Plan Coordination	Low	33.3	27%	9.0
Not recommended by other planning documents				
Distribution of Benefits	High	100	31%	31.0
Likely to be utilized by residents of every locality in the region				
Total Score				50.0

Project Evaluation

Project ID	2
Description	
Jurisdiction	Amherst
Route #	29
Facility Name	Lynchburg Expressway
From	Rt 163 (Amherst St)
To	Rt 604 (S Coolwell Rd)
Improvement	Traffic Operations/ Signal Coordination
Length (mi)	3.7
Estimated Cost	\$1,625,500
Proposed Project Features	
Increases Vehicle Capacity	Yes
Alternative Transportation Facilities	No
Safety Improvements	Primary: Traffic Management
Streetscaping	No
Data	
2040 V/C	0.86
2040 Weighted Traffic Flow	470
Truck Volume	3.32
Accidents 2010-2012	210
Top 20 Accident Rate	Yes
Functional Classification	Urban Other Principle Arterial/ Expressway
Surrounding Employment Density	1-4 jobs per acre
Environmental Resource Score	13
Significance	
Economic Development Plans	No
Corridor of Regional or State Significance	Yes
Primary Commuter Road	Yes
Benefiting Localities	Amherst
Plan Recommendations	

Project Readiness	
NEPA Screening	1
Right of Way Acquisition	1
Continuation of Ongoing Project	0
Total	2
Readiness Rating	Medium

Benefit to Cost Variables	
Benefit Score	76.3
Estimated Cost	\$1,625,500
Estimated Users	42783
Benefit to Cost Score	2008.38
Benefit to Cost Rating	High

Theme	Points	Weight	Score
Mobility and Accessibility	67.7	20%	13.5
Safety	100.0	25%	25.0
Economy	66.7	25%	16.7
Community and Nature	80.0	15%	12.0
Efficiency	60.6	15%	9.1
Total Project Benefit Score			76.3

Scoring Summary				
Mobility and Accessibility	Rating	Points	Weight	Score
Congestion	Med	66.7	37%	24.7
0.8 < V/C < 1.1				
Traffic Flow	High	100	23%	23.0
WTF > 302				
Freight Volume	Med	66.7	20%	13.3
2% < T < 5%				
Alternative Transportation	Low	33.3	20%	6.7
Does not include alternative transportation facilities				
Total Score				67.7

Safety	Rating	Points	Weight	Score
Accidents	High	100	61%	61.0
More than 30 accidents from 2011-2013				
Safety Features	High	100	39%	39.0
Will specifically improve operations on a high accident rate corridor				
Total Score				100.0

Economy	Rating	Points	Weight	Score
Economic Development Strategies	Med	66.7	25%	16.7
Improves a regionally-significant economic corridor				
Commuter Travel	High	100	44%	29.3
Improves a major commuter corridor with significant congestion				
Surrounding Employment Density	Med	66.7	31%	20.7
1-4 jobs per acre				
Total Score				66.7

Community and Nature	Rating	Points	Weight	Score
Sensitive Environmental Resources	High	100	30%	30.0
Environmental Screening score > 11				
Streetscaping	Low	33.3	30%	10.0
Will not include streetscaping features				
Right of Way Sufficiency	High	100	40%	40.0
Will not require purchase of additional right of way				
Total Score				80.0

Efficiency	Rating	Points	Weight	Score
Maintenance Status	Low	33.3	32%	10.7
State Functional Classification	High	100	10%	10.0
Interstate, Freeway & Expressway, or Other Principle Arterial				
Plan Coordination	Low	33.3	27%	9.0
Not recommended by other planning documents				
Distribution of Benefits	High	100	31%	31.0
Likely to be utilized by residents of every locality in the region				
Total Score				60.6

Project Evaluation

Project ID	3
Description	
Jurisdiction	Campbell/ Lynchburg
Route #	460
Facility Name	Richmond Hwy
From	Rt 622 (Waterlick Rd)
To	Rt 501 (Campbell Ave)
Improvement	Increase to 6 lanes
Length (mi)	7.1
Estimated Cost	\$173,356,000
Proposed Project Features	
Increases Vehicle Capacity	Yes
Alternative Transportation Facilities	None
Safety Improvements	Secondary: General Design
Streetscaping	No
Data	
2040 V/C	0.95
2040 Weighted Traffic Flow	478
Truck Volume	10.45
Accidents 2011-2013	135
Top 20 Accident Rate	Yes
Functional Classification	Urban Freeway and Expressway
Surrounding Employment Density	1-4 jobs per acre
Environmental Resource Score	10
Significance	
Economic Development Plans	None
Corridor of Regional or State Significance	Yes
Primary Commuter Road	Yes
Benefiting Localities	Regional
Plan Recommendations	Virginia Statewide Multimodal Freight Study

Project Readiness	
NEPA Screening	0
Right of Way Acquisition	0
Continuation of Ongoing Project	0
Total	0
Readiness Rating	Low

Benefit to Cost Variables	
Benefit Score	72.3
Estimated Cost	\$173,356,000
Estimated Users	45914
Benefit to Cost Score	19.15
Benefit to Cost Rating	Medium

Theme	Points	Weight	Score
Mobility and Accessibility	74.3	20%	14.9
Safety	87.0	25%	21.8
Economy	81.4	25%	20.3
Community and Nature	43.3	15%	6.5
Efficiency	59.0	15%	8.9
Total Project Benefit Score			72.3

Scoring Summary				
Mobility and Accessibility	Rating	Points	Weight	Score
Congestion	Med	66.7	37%	24.7
0.8 < V/C < 1.1				
Traffic Flow	High	100	23%	23.0
WTF > 302				
Freight Volume	High	100	20%	20.0
T > 5%				
Alternative Transportation	Low	33.3	20%	6.7
Does not include alternative transportation facilities				
Total Score				74.3

Safety	Rating	Points	Weight	Score
Accidents	High	100	61%	61.0
More than 30 accidents from 2011-2013				
Safety Features	Med	66.7	39%	26.0
Total Score				87.0

Economy	Rating	Points	Weight	Score
Economic Development Strategies	Med	66.7	25%	16.7
Improves a regionally-significant economic corridor				
Commuter Travel	High	100	44%	44.0
Improves a major commuter corridor with significant congestion				
Surrounding Employment Density	Med	66.7	31%	20.7
1-4 jobs per acre				
Total Score				81.4

Community and Nature	Rating	Points	Weight	Score
Sensitive Environmental Resources	Med	66.7	30%	20.0
Environmental Screening score between 7 and 11				
Streetscaping	Low	33.3	30%	10.0
Will not include streetscaping features				
Right of Way Sufficiency	Low	33.3	40%	13.3
Will require major purchase of new right of way				
Total Score				43.3

Efficiency	Rating	Points	Weight	Score
Maintenance Status	TBD		32%	0.0
State Functional Classification	High	100	10%	10.0
Interstate, Freeway & Expressway, or Other Principle Arterial				
Plan Coordination	Med	66.7	27%	18.0
Project recommended by one other planning document				
Distribution of Benefits	High	100	31%	31.0
Likely to be utilized by residents of every locality in the region				
Total Score				59.0

STATEMENT OF PURPOSE
Approved September 5, 2002

The Central Virginia Transportation Technical Committee (Committee) is responsible for supporting the Central Virginia Metropolitan Planning Organization's (CVMPO) and Region 2000 Regional Commission's transportation policy decision-making efforts.

The Committee provides technical advice in coordinating the federally-mandated "3-C" or continuing, comprehensive, and cooperative, transportation planning and programming process.

The Committee's three principal work efforts are updating the long range transportation plan, updating the transportation improvement program (TIP), and developing the annual unified planning work program. The Committee, in conjunction with its rural colleagues, also develops the annual Rural Transportation Planning Assistance Program Scope of Work. The Committee's intent is to review and comment on TIP projects and work program products.

The Committee acknowledges that the long range transportation plan update is the primary planning document for transportation issues in the Central Virginia region. This planning initiative drives the formulation of the transportation improvement program, as well as the annual work programs.

The Committee further realizes that the long range transportation planning process must identify regional priorities in order to fully influence project funding decisions ultimately exercised by the Commonwealth Transportation Board. The Committee's intent is to recommend priorities and encourage the CVMPO to set these priorities at the regional level.

Because of its importance, the Committee is fully committed to actively being involved in the long range transportation planning process.

In carrying out its responsibilities, the Committee will:

1. Coordinate with local planning departments to ensure an understanding of pertinent local development issues and their impact on the region;
2. Coordinate with nearby MPOs and develop an ongoing dialogue with them;
3. Strive to integrate land use and economic development, as well as transportation considerations, in its planning process;
4. Strive to be proactive as opposed to reactive in problem solving.