TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

for the

ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION

Fiscal Year 2005 - 2007

(Approved August 18, 2004)





ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION

This document is produced as part of a continuing, comprehensive, cooperative (3-C) transportation planning process conducted by the Metropolitan Planning Organization (MPO) for the Roanoke Valley Area. As members of the Roanoke Valley Area MPO, the following agencies and local governments have participated in the development of this document.

Voting Members:

The Honorable Bobby Pollard

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The Honorable Wendy Wingo
The Honorable M. Rupert Cutler

The Honorable M. Rupert Cutler

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Botetourt County

Botetourt County

City of Roanoke

City of Roanoke

Roanoke County

Roanoke County

City of Salem

City of Salem

Town of Vinton

Town of Vinton

VDOT

Greater Roanoke Transit Company

Roanoke Regional Airport

Intergovernmental Review Agency (Roanoke Valley- Alleghany Regional Commission)

Non-Voting Members:

Patricia Kamph Jennifer DeBruhl Mark Rickards Federal Transit Administration Federal Highway Administration

Virginia Department of Rail and Public Transportation

This report was prepared by the Roanoke Valley Area Metropolitan Planning Organization (MPO) in cooperation with the U.S. Department of Transportation (USDOT), the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), the Virginia Department of Rail and Public Transportation (VDRPT) and the Virginia Department of Transportation (VDOT). The contents of this report reflect the views of the staff of the Roanoke Valley Metropolitan Planning Organization (MPO). The MPO staff is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, VDOT, or RVAMPO. This report does not constitute a standard, specification, or regulation. FHWA, FTA, VDRPT or VDOT acceptance of this report as evidence of fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.



Roanoke Valley Area Metropolitan Planning Organization

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The 18th day of August, 2004

RESOLUTION

Approving the Final <u>Transportation Improvement Program</u> for Fiscal Years 2005, 2006, and 2007 for the Roanoke Urban Area

WHEREAS, it is the position of the Roanoke Valley Area Metropolitan Planning Organization that projects proposed for improving transportation in the Roanoke urban area should be examined closely, and

WHEREAS, the *Transportation Improvement Program* has been prepared to initiate review by the Roanoke Valley Area Metropolitan Planning Organization of proposed transportation improvements for fiscal years 2005, 2006, and 2007, and

WHEREAS, inclusion of transportation projects in the *Transportation Improvement Program* is a condition of federal participation in the funding of that project, and

WHEREAS, the *Transportation Improvement Program* is required to be submitted to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program, and

WHEREAS, the Transportation Technical Committee has reviewed this document and has recommended that the Roanoke Valley Area Metropolitan Planning Organization forward the *Transportation Improvement Program* to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program;

NOW, THEREFORE BE IT RESOLVED, that the Roanoke Valley Area Metropolitan Planning Organization does hereby approve the *2005-2007 Transportation Improvement Program* (subject to additional change based on public input received).

Don Davis Chairman

Roanoke Valley Area Metropolitan Planning Organization (MPO)

2025 MPO Study Area Boundary

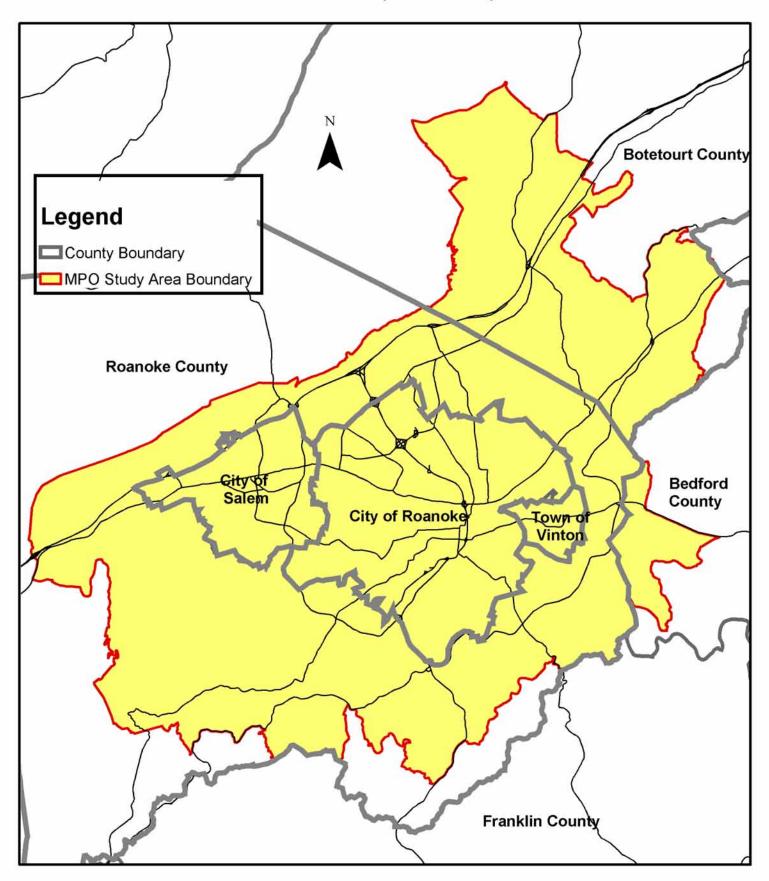


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INTRODUCTION

Purpose and Development

The *Transportation Improvement Program (TIP)* for the Roanoke Urbanized Area is a comprehensive listing of transportation activities to be undertaken during the three-year interval for which it is developed. The basic purpose of the TIP is to recommend transportation projects for federal funding while combining the efforts of local jurisdictions into a regionally coordinated plan of improvements.

Projects are proposed for the TIP by local officials, transit operating officials, the Virginia Department of Transportation and any other agencies or officials responsible for transportation projects within the region. These officials, through the Roanoke Valley Area Metropolitan Planning Organization (MPO), select and schedule projects that they support for endorsement in the TIP. The Transportation Improvement Program is endorsed bi-annually by the MPO and may be modified by amendments at any time. MPO membership currently includes officials from Bedford County Botetourt County, City of Roanoke, Roanoke County, City of Salem, the Town of Vinton, the Greater Roanoke Transit Company (also known as Valley Metro), the Roanoke Regional Airport, the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, the Federal Highway Administration, and the Federal Transit Administration.

The Comprehensive, Continuing, Cooperative (3-C) process of the MPO, provides a natural mechanism by which the plan can be carefully reviewed and updated bi-annually. Bi-annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allows developing local and regional plans to be continually incorporated. The Transportation Technical Committee (TTC), a technical advisory committee to the MPO made up of representatives from local, state, and federal agencies, provides the professional expertise necessary to derive a plan, and ensure that all local and regional interests are considered. Once the program is developed, the MPO reviews and approves the program according to policies adopted by the local governments.

With few exceptions, any proposed transportation project should be included in the TIP to be considered eligible for federal funding. All phases of a project including preliminary engineering, right of way acquisitions, or construction should be documented in the TIP.

Understanding the TIP

The arrangement of the Transportation Improvement Program identifies those capital projects anticipated during fiscal years 2005, 2006, and 2007. The project tables generally include a brief description of each project and the projected funding required to complete the project. This document provides detailed project tables for highway improvements including Interstate,

Primary, Urban and Secondary system projects; safety improvements, Transportation Enhancement projects, public transportation improvements, and airport improvements.

The project tables have been derived from information provided to the MPO staff by the state and local agencies responsible for funding participation. These tables represent the best estimate of project descriptions and costs that can be made in advance of final negotiation.

The projects contained in the TIP have generally been drawn from existing plans including the Roanoke Valley Area MPO 2025 Long Range Transportation Plan. In addition, data supplied by the Roanoke Regional Airport Master Plan contribute to the development of the airport section of the TIP. Figures cited for the aviation section of the TIP originated from the preapplication for state assistance submitted by the Roanoke Regional Airport Commission. Representatives of the Airport Commission were then consulted for possible modifications to these projects.

Format of the TIP

Beginning with the FY 2005-07 Transportation Improvement Program (TIP), projects include federal funds obligated to certain phases of the project (Preliminary Engineering, Right-of-Way Acquisition and Construction). The inclusion of "obligation" data has presented a formatting dilemma. The Virginia Department of Transportation (VDOT) and the Virginia Department of Rail and Public Transit (VDRPT) each require financial information in the TIP to be presented in a specific format for state level reporting. These respective formats are not always suited to the level of public involvement necessary for a document of this nature. Consequently in this document, financial information – including obligations – is presented in a table format that is similar to previous TIPs. The formats required by VDOT and VDRPT are included in the Appendix to this document. The financial information in the FY 2005-07 TIP and the Appendix is the same. The formatting is changed in the Appendix to meet VDOT and VDRPT requirements and standards.

Definitions and Abbreviations

- ADA Americans with Disabilities Act
- *Allocation* An administrative distribution of funds set apart or designated for a special purpose.
- Apportionment A law that refers to a statutorily prescribed division or assignment of funds. An apportionment is based on prescribed formulas in the law and consists of dividing authorized obligation authority for a specific program.
- *BH* Bridge Rehabilitation Funds
- BR Bridge Replacement Funds
- *BROS* Bridge (off-system, not on the federal-aid system)

- *DEMO* Demonstration
- Earmarked To reserve or set aside for a specific purpose.
- *EN* Enhancement Funds
- Estimated Cost (Type of Work) The estimated costs given in this column begin as rough estimates usually based on historical data for the area. As work progresses, a better cost estimate can be developed. The estimated costs are updated at critical stages such as the time of the final field inspections, when plans are more defined and estimates can be relied upon to closely compare with the final project costs.

To the far left of the *Type of Work/Estimated Cost* column box the letters PE, RW, CN and Total appear with the cost estimates to their right.

- ⇒ PE This stands for preliminary engineering. In this phase a preliminary field survey, utility location, environmental/historical studies, road design alternatives, drawings, final field inspections and public hearings will be done. This process can take a few months to several years to complete. A time line showing how long this phase will last for this project can be found on this row in the *Actual Allocation* and *Projected Allocation* columns.
- ⇒ RW This stands for right of way. This is the portion of the project in which negotiations with property owners take place, payments are made and arrangements with utility companies are finalized, to obtain the land necessary for the project. As with the PE portion, the cost estimates are to the right, followed by the time line for the work in this part of the project. Right of way work will not begin until most of the preliminary engineering steps are complete.
- ⇒ CN This stands for construction. In this phase the project is advertised to prospective contractors for bids. Once the bids are opened and a contract awarded, construction can begin. The cost estimate and time line are shown to the right.
- ⇒ Total This is the total of all cost estimates and should represent the final estimated cost of the project.
- F Consolidated Primary Funds
- FAA Federal Aviation Administration
- FTA Federal Transit Administration
- GA General Aviation

- HES Hazard Elimination
- *HPD* High Priority (Demonstration) Projects
- *I* Interstate Funds
- *ID* Interstate Discretionary
- *IM* Interstate Maintenance Funds
- *M* Urbanized Funds
- *NHS* National Highway System Funds
- *PAPI* Precision Approach Path Indicator
- *PPMS* Project Planning Management System (VDOT Tracking System Number)
- *RPZ* Runway Protection Zone
- *RRP* Rail Highway Protective Devices Funds
- *RRS* Rail Highway Grade Separation Funds
- S State Funds
- STP Surface Transportation Program Funds
- *UST* Underground Storage Tank
- [] Signifies a Very Preliminary Estimate of Cost

	E SYSTEM IMPROVEMEN	TS			al Years 20				Amounts in			
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Requ	ired Alloca	tions	Previous Obligations	Requir	ed Obliga	tions
,	Other Remarks	20020		f Project		2005	2006	2007		2005	2006	2007
63707 Rte 81 - Turn	From 0.1 mile South of intersection with Routes 419 and 780 to 0.1 mile North of	NH	PE RW CN	127 1,505						185		
Lane & Signals Roanoke County	intersection with Routes 419 and 780 Map #1		Total	1,632	1,632	0	0	0	0	185	0	
County	Map #1											
16591 Rte 81 - Widen from 4 to 8	From 0.47 miles North of Butt Hallow Road (Route 641) MP 135.9 to 0.200 miles North of Goodwin Avenue (Route 635) MP	IM/NH	PE RW CN	9,722					4,379 400			
lanes Roanoke County	PE to Public Hearing Only		Total	9,722	4,379	0	0	0	4,779	0	0	
County	Map #2											
16593 Rte 81 - Widen	From 0.881 miles North of Interstate Route 581 MP 144.5 to 0.280 miles South of Route 648	IM/NH	PE RW CN	9,042					2,919 365	1,360		
from 4 to 8 lanes City of Roanoke/	MP 147.45 PE up to Public Hearing Only		Total	9,042	6,171	0	0	0	3,284	1,360	0	
Roanoke County	Map #3											
16595 Rte 581 – Interchange	From 0.881 miles North of Interstate Rte 581 MP 144.5 to Hershberger Road (for a length of 3.90 miles)	NH	PE RW CN						500			
and CD Roads City of Roanoke	Phase II - PE Only Federal Requirement for Previous Access Approval – PE to cover current expenditures only		Total		2	0	0	0	500	0	0	
	Map #4											

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INTERSTAT	E SYSTEM IMPROVEMEN	TS		Fisc	al Years 20	05-2007	ν θ						
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Requ	uired Alloca	tions	Previous Obligations	Requii	red Obliga	tions	
Troject	Other Remarks	Bource		f Project	7 mocations	2005	2006	2007	Congutions	2005	2006	2007	
53094 Rte 81 – Widen from 4 to 8	From 0.20 miles North of Goodwin Avenue (Route 635) MP 138.6 to 0.75 miles North of Thompson Memorial Drive	NH	PE RW CN	9,537					3,205	1,908			
lanes	(Route 311) MP 140.9		Total	9,537	5,590	0	0	0	3,205	1,908	0	0	
Roanoke County	PE up to Public Hearing only Map #5												
53095 Rte 81 – Widen from 4 to 8	From 0.75 miles North of Thompson Memorial Drive (Route 311) MP 140 to .786 miles South of Interstate Route 581 MP	NH	PE RW CN	9,657					3,358	1,663	1,769		
Roanoke County	PE up to Public Hearing Only		Total	9,657	5,570	0	0	0	3,358	1,663	1,769	0	
County	Map #6												
53096 Rte 81 – Widen from 4 to 8	From 0.786 miles South of Interstate Route 581 MP 143.1 to 0.881 miles North of Interstate Route 581 MP 144.5	NH	PE RW CN	12,838					3,259	2,683			
lanes Roanoke County	PE up to Public Hearing Only Map #7		Total	12,838	6,613	0	0	0	3,259	2,683	0	0	
53097	From 0.28 Miles South of Route	NH/IM	PE	25,127					6,081	879			
Rte 81 – Widen from 4 to 8	648 Mp 147.45 to 0.79 miles North of Route 779 E 220 MP 152.4	1 121/1111	RW CN	20,127					5,144	017			
lanes	PE to Public Hearing Only		Total	25,127	12,234	0	0	0	11,225	879	0	0	
Boutetourt County	Map #8												

INTERSTAT	TE SYSTEM IMPROVEME	NTS		Fisc	al Years 20	05-2007	(Funding A	Amounts in	Thousan	ds of Do	ollars)
UPC # Project	Description and	Funding Source	Ty _l Work/E	pe of Estimated	Previous Allocations	-	uired Alloca		Previous Obligations	Requi	red Obliga	ations
j	Other Remarks			f Project		2005	2006	2007		2005	2006	2007
59173 Rte 81 – Upgrade	From 1.6 miles North of Route 220 (MP 151.6) to Botetourt/Rockbridge County Line (MP 173.6) SBL	NH	PE RW CN	1,110								
substandard guardrail terminal on SBL	Map #9		Total	1,117	1,117	0	0	0				
T287 511 Virginia – Travel	Previous Funds reflect all transactions through 6-9-04		PE RW CN							480	240	240
Information District Wide			Total		300	300	300	300		480	240	240
16841 Rumble Strips	Previous funds reflect all transactions through 6-9-04	IM	PE RW CN							326		
District Wide			Total		362	0	0	0		326	0	0
70623, 72698 Salem Interstate	Various Routes Previous funds reflect all transaction through 6-9-04	IM	PE RW CN									
Guardrail District Wide	amount anough o y or		Total		0	0	250	250				

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INTERSTAT	E SYSTEM IMPROVEME	ENTS		Fisc	al Years 20	05-2007		(Funding	Amounts in	Thousar	ids of D	ollars)
UPC # Project	Description and	Funding Source	Typ Work/E	e of stimated	Previous Allocations	Requ	uired Alloca	tions	Previous Obligations	Requir	ed Obliga	itions
110,000	Other Remarks	Source		Project	7 mo cutrons	2005	2006	2007	. Congations	2005	2006	2007
70624 Salem Interstate	Various Routes Previous funds reflect all transactions to date	IM	PE RW CN							180	180	180
Pavement Markers			Total		0	200	200	200		180	180	180
District Wide												
70626, 72699 Salem Interstate	Various Routes Previous funds reflect all transactions through 6-9-04	IM	PE RW CN								315	315
Signals District Wide			Total		0	0	350	350			315	315
66385, 70627,	Various Routes	IM	PE						10			
72700	Previous funds reflect all		RW CN						120		280	280
Salem Interstate Signs District Wide	transactions through 6-9-04		Total		0	0	350	350	130		280	280
70667 Salem Interstate ITS	Various Routes Previous funds reflect all transactions through 6-9-04	NH	PE RW CN						1,600			
District Wide	Tailough 0 7 04		Total		2,000	0	0	0	1,600			

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INTERSTAT	E SYSTEM IMPROVEMEN	TS		Fisca	al Years 200	05-2007		(Funding	Amounts in	Thousan	nds of D	ollars)
UPC#	Description	Funding		pe of	Previous	Req	uired Alloca	itions	Previous	Requi	red Obliga	ations
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
T1155, T947, 16596	From Roanoke to the North Carolina state line	HPD/NH	PE RW CN	15,917								
Rte 73 – Proposed Corridor Location Alignment	Partial PE Only - Development of FEIS through Record of Decision Map #10		Total	15,917	12,621	0	0	0				
56189 Rte 81 – Install ITS Signs to Communicate	From Exit 89 to Exit 189	NH	PE RW CN	3,396								
Road Conditions and Delays			Total	3,511	3,510	0	0	0				
56191 Rte 81 – Continue	From Rockbridge/Botetourt County Line to Wythe/Pulaski County Line	NH	PE RW CN	2 567								
Highway Advisory Radio Installation			Total	569	600	0	0	0				
56193 Rte 81 - Repave	From Wythe/Pulaski County Line to Rockbridge/Botetourt County Line	NH	PE RW CN	1,553								
Deteriorating Shoulders & Install Rumble Strips			Total	1,553	2,039	0	0	0				

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INTERSTAT	TE SYSTEM IMPROVEMEN	ITS		Fisc	al Years 20	05-2007		(Funding	Amounts in			
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Req	uired Alloca	itions	Previous Obligations	Requi	red Obliga	tions
Troject	Other Remarks	Source		f Project	Anocations	2005	2006	2007	Oongations	2005	2006	2007
61726 Rte 81 – Design and	From Exit 140 to Exit 152 Does not include transfer of additional \$475,000.00 to UPC #	NH	PE RW CN									
Install "LAN"	67774.		Total		1,000	1,000	1,000	1,000				
	Map #11											
63706 Rte 81 – Guardrail &	From Milepost 134.6 to Milepost 149.35	NH	PE RW CN	32 1,785								
Terminal Installation in Median	Map #12		Total	1,817	1,817	0	0	0				
T1127, 67588 Rte 81 –	PE Only	NH	PE RW CN							4,912	2,735	
Development of NEPA Document			Total		3,170	2,970	3,419	0		4,912	2,735	
District Wide												
68718 Rte 81 – PPTA Project		NH	PE RW CN							560		
Development & Management			Total		250	450	0	0		560		
District Wide												

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PRIMARY S	YSTEM IMPROVEMENTS			Fisc	cal Years 20	005-2007	(Funding	Amounts in	Thousar	nds of D	ollars)
UPC#	Description	Funding	Ty	pe of	Previous	Requ	uired Alloca		Previous		red Obliga	
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
17698 Rte 11/460 –	From WCL Salem to 0.10 miles West of Route 830	STP	PE RW CN	4,296 6,090 18,285							4,847	
Widen to 5 lanes	Map #13		Total	28,671	6,967	500	1,087	1,942	0	0	4,847	0
Roanoke County												
14828 Rte 311 – Minor	From Route 864 W to 0.16 miles West of Route 864W Balance of \$77,000 to be provided	S/NPS	PE RW CN	11 172								
widening for LTL & Improve sight distance	by NPS Map #14		Total	184	107	0	0	0				
4000, 61395 Bridge	Previous funds reflect transactions through 6-9-04		PE RW CN									
Strengthening & Widening			Total		290	750	1,000	0				
District Wide												
53946, 68202, 68203, 68204, 69157, 69158, 69159, 69160,	Salem – District Wide Primary Routes Previous funds reflect transactions	S	PE RW CN									
70130, 70441, 71810, 71812, 71816, 71818, 71819	through 6-9-04		Total		1	300	300	300				
STOSIP Allocations												
District Wide												

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PRIMARY S	YSTEM IMPROVEMENTS			Fise	cal Years 20	05-2007		Funding	Amounts in	Thousai	nds of D	ollars)
UPC#	Description	Funding		pe of	Previous	Req	uired Alloca		Previous		red Obliga	
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
66112, 70628 Primary Districtwide	Various Routes Previous funds reflect transactions through 6-9-04	S	PE RW CN									
Guardrail			Total		0	0	750	750				
61427, 70629, 72701 Primary	Various Routes Previous funds reflect transactions through 6-9-04	S	PE RW CN									
Districtwide Pavement Markers			Total		0	0	75	75				
65777, 68798, 68799, 69134, 69156, 70630, 71062	Various Routes Previous funds reflect transactions through 6-9-04	S	PE RW CN									
Primary Districtwide Signals			Total		0	504	1,005	937				
66117, 70631, 71166, 71972 Primary	Various Routes Previous funds reflect transactions through 6-9-04	S	PE RW CN									
Districtwide Signs			Total		0	0	300	300				

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PRIMARY S	SYSTEM IMPROVEMENTS			Fisc	cal Years 20	05-2007	(Funding	Amounts in	Thousar	nds of D	ollars)
UPC#	Description	Funding	Ту	pe of	Previous	Req	uired Alloca		Previous		red Obliga	
Project	and Other Remarks	Source		Estimated of Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
70688 Primary Districtwide	Various Routes Previous funds reflect transactions through 6-9-04	S	PE RW CN									
Technology			Total		0	0	250	250				
69007 FY04 Wildflower	At various locations on various routes	S	PE RW CN									
Management Project District Wide			Total		123	124	114	114				

URBAN SYS	TEM IMPROVEMENTS			Fisc	cal Years 20	05-2007	(Funding .	Amounts in	Thousai	nds of D	ollars)
UPC#	Description	Funding		pe of	Previous	Requ	uired Alloca	tions	Previous	Requi	red Obliga	ations
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
709 Tenth Street – Reconstruction	From Gilmer Avenue to 0.042 miles North of Andrews Road (Staunton Avenue)	S	PE RW CN	1,688 1,412 4,587								
City of Roanoke	Map #15		Total	7,687	7,687	0	0	0				
8753 Rte 460 (East Main Street)	From intersection of Lynchburg Turnpike to 0.05 miles East of Intersection with Kessler Mill Road - Reconstruction	S	PE RW CN	2,017 1,082 4,222								
City of Salem	Map #16		Total	7,321	6,901	157	263	0				
11908 10 th Street – Reconstruction	From 0.042 miles North of Andrews Road to Williamson Road.	S	PE RW CN	527 959 3,171								
City of Roanoke	Map #17		Total	4,657	4,657	0	0	0				
11911 Hardy Road – Widen to 5	From Niagara Road to ECL Vinton CN end date and deficit based on	S	PE RW CN	772 1,419 3,561								
lanes Town of	original completion date. New completion date FY 04		Total	5,752	4,971	371	370	41				
Vinton	Map #18											

URBAN SYS	TEM IMPROVEMENTS			Fisc	al Years 20	005-2007	(Funding .	Amounts in	Thousar	ds of D	ollars)
UPC#	Description	Funding		pe of	Previous	Requ	uired Alloca	tions	Previous	Requi	red Obliga	itions
Project	and	Source		Estimated	Allocations	2005	2006	2007	Obligations	2005	2006	2007
	Other Remarks		Cost o	f Project		2005	2006	2007		2005	2006	2007
12532	From 0.013 miles East of Kessler	S	PE	1,898								
	Mill Road to 0.145 miles East of		RW	729								
Rte 460 –	Route 419 N (Electric Road)		CN	4,382								
Widen to 4	N/ //10											
lanes, curb, gutter, sidewalk	Map #19		Total	7,009	7,009	0	0	0				
and replace BR				,,,,,,,,,	.,							
una replace Bre												
City of Salem												
19029	From Colonial Avenue to	STP	PE	1,604					490	793		
W : C	Brandon Avenue		RW	11,890								9512
Wonju Street Extension – 4	M #20		CN	8,225								
lanes, curb,	Map #20											
gutter, sidewalk	New Construction		Total	21,719	20,296	1,424	0	0		793		9512
8	New Construction			,	,	-,		•		,,,,		7.5.1
City of												
Roanoke												
52076	At Route 419/Electric Road	STP	PE RW	2,465					493	1,344	628	
Rte	PE only, accruing fund for RW &		CN									
11/Apperson	CN		CIV									
Drive –			Total	2.465	783	897	755	1,175	493	1,344	628	0
Intersection	Map #21		Total	2,465	/83	897	/33	1,1/3	493	1,344	628	U
improvements	•											
City of Salem												
56531	Thompson Memorial Drive &	S	PE	94								
30331	Cleveland Avenue		RW	36								
Rte 311 – EXT			CN	401								
Left Turn	Map #22											
Lanes & Add	_		Total	531	210	145	177	0				
RTL FR			Total	331	210	143	1//					
Cleveland Street												
Succi												
City of Salem												

URBAN SYS'	TEM IMPROVEMENTS			Fisc	al Years 20			Amounts in	Thousan	ds of D	ollars)	
UPC#	Description	Funding		pe of	Previous	Requ	uired Alloca	tions	Previous	Requi	red Obliga	tions
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
				,		2003	2000	2007				2007
688	From Orange Avenue to Dale	STP	PE	1,910						1,356	350	5 400
13 th Street and	Avenue (Includes bridge over N&W RR and Lick Run)		RW CN	5,400 19,900								5,400
Hollins Road- 4	N&W KK and Lick Kun)		CIN	19,900								
lane	Map #23		m . 1	27.210	204	2.210	2.406	4.200		1.056	2.50	5 400
Giv. C	-		Total	27,210	204	2,318	3,406	4,209	0	1,356	350	5,400
City of Roanoke												
Roalloke												
71725	From Lick Run Creek to 170 feet	STP	PE	5						5		
10 th Street –	South of Syracuse Avenue		RW	70								70
Construct 2	Bicycle/Pedestrian Improvement		CN	70								70
stage crossing	Bioyete/i edesaran improvement											
with warning	Map #24		Total	75	0	75	0	0		5		70
devices	_											
City of												
Roanoke												
71740	City Administered Project	STP	PE	143						143		
City of			RW CN	957							957	
Roanoke –			CIV	931							931	
Signal			Total	1,100	0	543	316	241		143	957	
Improvements			Total	1,100	· ·	515	310	211		113	751	
and ITS												
71741	Intersection Improvement at		PE	120	0					120		
Riverland Road	Bennington Street		RW CN	100 800								
Kiveriana Koad	City Administered Project		CIV	000								
City of			Tr. / 1	1020		220	000			120		
Roanoke	Map #24A		Total	1020		220	800			120		

URBAN SYS	STEM IMPROVEMENTS			Fiscal	Years 2005 -	-2007	(F	unding A	Amounts in T	Thousan	ds of Do	ollars)
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Req	uired Alloc		Previous Obligations	Requir	ed Obliga	ations
.,	Other Remarks			of Project		2005	2006	2007		2005	2006	2007
72794 First Street Bridge		Bridge Discretionary Program	PE RW CN									
Bridge	Map #24B		Total	497						497		
52552 Norfolk	Add Gates and Bell, Motion Detection and Upgrade Various Components at RR Crossing.	STP	PE RW CN	0 0 329					296			
Avenue City of Roanoke	Map #24 C		Total	329	305	24						
56616 Mill Road	Provide Interconnection between Railroad Signals	STP	PE RW CN	0 0 8					8			
City of Salem	Note: Balance to be provided by Norfolk Southern		Total	8	7				8			
	Map #24D											

SECONDAR	Y SYSTEM IMPROVEMEN	TS		Fisc	cal Years 20	05-2007	(Funding .	Amounts in	Thousan	ds of D	ollars)
UPC#	Description	Funding		pe of	Previous	Requ	ired Alloca	tions	Previous	Requi	red Obliga	ations
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
18723 Merriman Road Route 613	Reconstruction Map #25	STP	PE RW CN	984 2,693								
Roanoke County			Total	3,677	450	41	57	89				
18721 Route 652 Botetourt	Reconstruction – Intersection improvements on Route 652 (Mountain Pass Road) at Route 653 (Humbert Road)	S	PE RW CN	145 70 376								
County	Map #26		Total	591	190	50	150	41				
58279	Relocation	STP	PE RW	400 865							269	
Buck Mountain Road	Map #27		CN	2,215								1,763
Route 679			Total	3,480	1,482	670	362	410	0	0	269	1,763
Roanoke County												
15190	Reconstruction	STP	PE RW	397 336							269	1,763
Cotton Hill Road	\$190,180 2002-03 Supplemental Revenue Sharing Funds		CN	2,204								
Route 688	Map #28		Total	2,937	1,162	180	317	425	0	0	269	1,763
Roanoke Couty												

SECONDAR	Y SYSTEM IMPROVEME	NTS		Fisc	cal Years 20	005-2007		Funding .	Amounts in	Thousar	nds of D	ollars)
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Req	uired Alloca	tions	Previous Obligations	Requi	red Obliga	ntions
j	Other Remarks			f Project		2005	2006	2007		2005	2006	2007
15186	Reconstruction	STP	PE RW	950								
Colonial Avenue	Map #29		CN									
Route 720			Total	950	0	0	0	0				
Roanoke County												
15189	Reconstruction	STP	PE RW	441 534								
Colonial Avenue	Map #30		CN	2,631						2,104	456	200
Route 720			Total	3,606	2,093	178	570	250	0	2,104	456	200
Roanoke County												
17993	Bridge Replacement	BROS	PE RW	403 44						35		
Route 738	Map #31		CN	865								692
Webster Road			Total	1,312	640	115	51	135	0	35	0	692
Botetourt County												
58280	Bridge Replacement	BROS	PE RW	450 200					354	60	160	
John Richardson	Map #32		CN	881								
Road			Total	1,531	190	140	169	280	354	60	160	0
Route 743 Roanoke County												

SECONDAR	Y SYSTEM IMPROVEMEN	TS		Fise	cal Years 20	05-2007	(Funding	Amounts in	Thousar	nds of D	ollars)
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Requ	uired Alloca		Previous Obligations		red Obliga	
	Other Remarks			f Project		2005	2006	2007		2005	2006	2007
52803 Route 779	Reconstruction - Intersection Improvements at Route 672, Bridge Construction.	STP	PE RW CN	426 310 2,364						248	1,891	152
Catawba Road	Map #33		Total	3,100	1,319	430	490	190	0	248	1,891	152
Botetourt County												
15187	Bridge Replacement	BROS	PE RW	300								
Route 1662	Map #34		CN	300	430	25	40	50				
Roanoke County			Total	600								
65134 Route 929 – Garman Road	Upgrade flashing lights for Railroad Crossing 0.17 miles south of Route 11 Map #35	STP	PE RW CN	5	40 (10% match by NS)							
Roanoke County			Total	5	4							
3672 Route 601 –	Widen and rebuild two lane road from Route 115 to 0.54 miles S of Route 627; total length 1.6 miles;	S	PE RW CN	2,589 2,403 7,216	8,475	1,340	620	620				
Hollins Road Roanoke County	and replace bridge over Tinker Creek Map #36		Total	11,848								

SECONDAR	Y SYSTEM IMPROVEMEN	ΓS		Fisc	cal Years 20	05-2007	(Funding	Amounts in	Thousar	ıds of D	ollars)
UPC #	Description	Funding	Ty	pe of	Previous	Requ	uired Alloca	tions	Previous	Requi	red Obliga	ations
Project	and Other Remarks	Source		Estimated f Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
15194 Route 605 – Cougar Lane	Rebuild 2 lanes from Route 654 to 0.15 miles West of Alt 220 Map #37	S	PE RW CN	525 426 2,298	2,418	403	428	0				
Botetourt County	Iviap no i		Total	3,249								
18719 Route 652 – Mountain Pass	Intersection Improvements at Route 658 Map #38	S	PE RW CN	162 128 580	206	150	52	141				
Road Botetourt County	Мар #36		Total	870								
60656 Route 652 –	Upgrade Flashing Lights and Add Gates	STP	PE RW CN	0 0 141					127			
Mountain Pass Road	Note: Balance of \$14,070 to be provided by secondary system		Total	141	127				127			
Botetourt County	Map #38A											
60657 Route 723 –	Add Gates and Upgrade to Cantilever Flashing Lights	STP	PE RW CN	0 0 203					182			
Brickyard Road Botetourt County	Note: Balance of \$20,260 to be provided by Secondary System		Total	203	182				182			
County	Map #38B											

	RTATION ENHANCEMENT (TE)			cal Years 20				Amounts in			
UPC # Project	Description and	Funding Source	Ty Work/l	pe of Estimated	Previous Allocations		uired Alloca	tions	Previous Obligations	Requi	red Obliga	ations
J	Other Remarks		Cost	of Project		2005	2006	2007		2005	2006	2007
City of Roanoke # 16071	Railside Linear Park: Development of pedestrian elevated walkway between the historic Market District and the	EN/ STP	PE RW CN	333 2,021					299			
	Virginia Museum of transportation in the City of Roanoke; \$300.000 originated from Transportation Enhancement Program (TEA-21) *Construction Underway Virginia Museum of Transportation: Improvements		Total	2,354 EN 300	300				299			
City of		EN/	PE	72					41			
Roanoke		STP	RW						41			
# 18772	to the existing railside yard of the museum's main facility; \$386,000		CN	715					345			
	originated from Transportation Enhancement Program (TEA-21)		Total	787 EN 386	386				396			
	*Construction Underway											
City of	Virginia Museum of	EN/	PE	5								
Roanoke	Transportation: Restoration of the museum roof and extension of	STP	RW CN	273								
# 52407	the canopy over the station's railside dock; \$90,000 originated from Transportation Enhancement Program (TEA-21)		Total	278 EN 90	90							
City of	N & W Railway Passenger	EN/	PE	565					99			
Roanoke	Station: Renovation of the historic station for use as a	STP	RW CN	0 4,570					889			
# 59794	historic station for use as a visitor's center and museum; \$488,000 awarded for 2002 (\$208,000 FY 02/03 allocation; \$292,000 transferred from cancelled project)		Total	5,135	1,098				988			
	*Developing Schedule											

TRANSPOR	TATION ENHANCEMENT			<u>F</u> is	cal Years 2005				Amounts in			
UPC#	Description	Funding		pe of	Previous	Req	uired Alloca	ations	Previous	Requi	red Obliga	ations
Project	and Other Remarks	Source		Estimated of Project	Allocations	2005	2006	2007	Obligations	2005	2006	2007
City of	Mill Mountain Prospect	EN/	PE	113								
Roanoke	Greenway: Construction of a bicycle/pedestrian trail; historic	STP	RW CN	1,301					390			
City of Roanoke Dept. of Community Development	interpretation signs, and landscape improvements; \$390,000 originated from Transportation Enhancement		Total	1,414	390				390			
# 16610	Program (TEA-21)											
,, 10010	*Construction Underway											
City of Roanoke	Lick Run Greenway: Bicycle/pedestrian trail, landscaping and interpretation	EN/ STP	PE RW CN	59 927					51			
# 18773	improvements to a historic resource.		T . 1	200	0.75							
			Total	986	875				51			
Roanoke County	Hanging Rock Battlefield Trail (Phase I): Trails for walking and	EN/ STP	PE RW	68					70			
# 16067	biking; pedestrian and bike bridges; preservation of historic		CN	781					2			
# 10007	sites and structure.		Total	849	549				72			
Roanoke	Hanging Rock Battlefield Trail	EN/ STP	PE RW	45					36			
County	(Phase II): Bicycle/pedestrian trails and bridges; preservation of	SIP	CN	560					547			
# 17578	historic sites and structure; \$200,000 originated from Transportation Enhancement Program (TEA-21)		Total	605	200							

TRANSPOR	TATION ENHANCEMENT	(TE)		Fiscal	Years 2005-2	2007	(Fu	ınding A	mounts in T	housan	ds of Do	ollars)
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	Req	uired Alloca	ations	Previous Obligations	Requir	ed Obliga	ations
Tioject	Other Remarks	Source		f Project	Anocations	2005	2006	2007	Oongations	2005	2006	2007
Roanoke County	Blue Ridge Parkway Interpretive Center (Phase I): Construction of Interpretive Center building at location above	TEA-21 Special Appropriation	PE RW CN	0 0 600								
	the Roanoke River gorge; \$600,000 earmarked for Phase I in TEA-21 Legislation as a "Mandated Transportation Enhancement Project"		Total	600	600							
Roanoke County	Blue Ridge Parkway Interpretive Center (Phase II): Fabrication and installation of	EN/ STP	PE RW CN	116 626					39			
# 56410	interpretive displays and exhibits to be housed in interior of Interpretive Center building; and landscaping around the facility.		Total	745 EN 340	340				60			
City of Salem/ City of Roanoke and Roanoke	Roanoke River Greenway: Construction of a 17-mile bicycle/pedestrian trail along the Roanoke River.	EN/ STP	PE RW CN	585 14,610					769			
County # 56409	Rodiloke Kivel.		Total	15,195	869				769			
City of Roanoke	Historic Hotel Dumas: Renovation of hotel for use as an artistic and cultural center	EN/ STP	PE RW CN	1,072 2,790					4			
			Total	3,862	150				4			

August 18, 2004

MISCELLA	NEOUS SYSTEM IMPROVI	EMENTS							Amounts in	Thousa	nds of D	ollars)
UPC # Project	Description and	Funding Source		pe of Estimated	Previous Allocations	-	uired Alloca		Previous Obligations	Requi	red Obliga	
- J	Other Remarks			f Project		2005	2006	2007		2005	2006	2007
50538 Historic	Roanoke Passenger Station Additional Matching Funds	HPD	PE RW CN	315 310					252 248			
Restoration	Required				500	0		0				
			Total	625	500	0	0	0	500			
52417 Motorist		S	PE RW CN									
Assistance Unit												
District Wide			Total		147	0	0	0				
70644 Blue Ridge	Located at Explore Park	DEMO	PE RW CN									
Parkway Interpretive Center			Total		600	0	0	0				
72658	5 Mile Bicycle/Pedestrian Trail	SB	PE RW									
Mason Creek Greenway	Includes FY04 Federal Omnibus Bill allocation		CN									
			Total		1,243	0	0	0				

Greater Roanoke Transit Company

Project	Funding Type	Description	Total	Federal	State	Local Match General Funds	Operating Revenues
3	3 71						
Operating	FTA 5307	Operating Expenses	5,879,000.00	1,814,392.00	967,730.00	1,399,579.00	1,697,299.00
Demonstration	Demonstration	Route Expansion-The Smart Way	99,370.00		64,288.00	3,384.00	31,698.00
Capital	FTA 5309	Purchase Replacement Buses (FY 04 State Match)	98,122.00		98,122.00		
Capital	STATEWIDE-STF	Preventative Maintenance	203,750.00	163,000.00	15,485.00	25,265.00	
Capital	STATEWIDE-STF	Support Vehicle	35,000.00	28,000.00	2,660.00	4,340.00	
Capital	STATEWIDE-STF	Replacement Vans - S.T.A.R. (2)	100,000.00	80,000.00	7,600.00	12,400.00	
Capital	STATEWIDE-STE	Building Improvements-Adm Facility	50,008.00	40,006.00	3,801.00	6,201.00	
Capital	STATEWIDE-STF	Shop Equipment	20,000.00	16,000.00	1,520.00	2,480.00	
Capital	STATEWIDE-STF	ADP Hardware	10,000.00	8,000.00	760.00	1,240.00	
Capital	STATEWIDE-STF	ADP Software	5,000.00	4,000.00	380.00	620.00	
		Totals	6,500,250.00	2,153,398.00	1,162,346.00	1,455,509.00	1,728,997.00

Greater Roanoke Transit Company

Project	Funding Type	Description	Total	Federal	State	Local Match General Funds	Operating Revenues
Operating	FTA 5307	Operating Expenses	6,172,644.00	1,814,392.00	967,730.00	1,505,074.00	1,885,448.00
Capital	FTA 5307/5309	1 Replacement Support Vehicle	35,000.00	28,000.00	3,500.00	3,500.00	
Capital	FTA 5307/5309	2 Replacement Body on Chasis Vans for S.T.A. R.	100,000.00	80,000.00	10,000.00	10,000.00	
Capital	FTA 5307/5309	2 Expansion Body on Chasis Vans for S.T.A. R.	100,000.00	80,000.00	10,000.00	10,000.00	
Capital	FTA 5307/5309	Shop Equipment	20,000.00	16,000.00	2,000.00	2,000.00	
		Totals	6,427,644.00	2,018,392.00	993,230.00	1,530,574.00	1,885,448.00

Greater Roanoke Transit Company

Project	Funding Type	Description	Total	Federal	State	Local Match General Funds	Operating Revenues
Operating	ETA 5207	Operating Evnences	6,481,275.00	1,814,392.00	967,730.00	1,799,153.00	1,900,000.00
Operating	F1A 3307	Operating Expenses	0,481,273.00	1,814,392.00	907,730.00	1,799,133.00	1,900,000.00
Capital	FTA 5307/5309	18 Replacement 35' Buses	5,400,000.00	4,320,000.00	540,000.00	540,000.00	
Capital	FTA 5307/5309	1 Replacement Support Vehicle	35,000.00	28,000.00	3,500.00	3,500.00	
Capital	FTA 5307/5309	Shop Equipment	35,000.00	28,000.00	3,500.00	3,500.00	
		Totals	11,951,275.00	6,190,392.00	1,514,730.00	2,346,153.00	1,900,000.00

Unified Human Services Transportation Systems, Inc.

Project	Funding Source	Description	Federal	State	Local	Other	Total
Operating		FTA Section 5311	\$100,193	\$28,381	\$71,812	\$17,000	\$217,386
Capital							
Maint/Tmg/Admin/Stor Facility		Statewide STP	\$40,000	\$3,800	\$6,200		\$50,000
Communication Systems		Statewide STP	\$256,000	\$24,320	\$39,680		\$320,000
Replacement (4) Vans		State Paratransit		\$197,600	\$10,400		\$208,000
Shop Equipment		Statewide STP	\$80,000	\$7,600	\$12,400		\$100,000

Unified Human Services Transportation Systems, Inc.

Project	Funding Source	Description	Federal	State	Local	Other	Total
Operating		FTA Section 5311	\$100,193	\$28,381	\$71,812	\$17,000	\$217,386
Capital							
Replacement Vans (5)		Section 5311/5309	\$212,000	\$20,140	\$32,860		\$265,000
Maint/Tmg/Admin/Stor Facility		Section 5311/5309	\$40,000	\$3,800	\$6,200		\$50,000
Communication Systems		Section 5311/5309	\$80,000	\$12,400	\$7,600		\$100,000
Replacement Vans (2)		Section 5310	\$84,800	\$8,056	\$13,144		\$106,000

Unified Human Services Transportation Systems, Inc.

Project	Funding Source	Description	Federal	State	Local	Other	Total
Operating		FTA Section 5311	\$100,193	\$28,381	\$71,812	\$17,000	\$217,386
Capital							
Replacement (5) Vans		Section 5311/5309	\$212,000	\$20,140	\$32,860		\$265,000
Computer Equipment		Section 5311/5309	\$20,000	\$1,900	\$3,100		\$25,000
Replacement (2) Vans		Section 5310	\$84,800	\$8,056	\$13,144		\$10,600

INTERGOVERNMENTAL REVIEW STAFF REPORT

Notice of Intent										
Pre-Application										
Application X										
TITLE: Roanoke Regional Airport Six Year Plan DATE: <u>June 14, 2004</u>										
APPLICANT: Roanoke Regional Airport Commission REVIEWER: Mark McCaskill										
Year 1 (FY 2005) Federal Funds: State Funds: Local Matching: Other: Total:										
\$3,603,261 \$741,646 \$638,000 \$0 \$4,982,907										
GRANTOR AGENCY: Virginia Department of Aviation/ Federal Aviation Administration										

BRIEF DESCRIPTION OF PROJECT:

This document is the Roanoke Regional Airport's Six Year Plan. The Six Year plan lists the capital improvements that are anticipated over the next six years. Year 1 (2005) represents the capital budget in this application. Years 2-6 represent the capital improvement program section of this application. Since the six year plan is updated on a yearly basis details of years 2-6 are for planning purposes and may change in future six year plans.

CRITERIA USED BY STAFF FOR APPROVAL OR DISAPPROVAL: THE PROPOSED PROJECT:

1.	Is consistent	wi th	overal l	pl ans	 Yes	X No

Page 2	29
2. Will not duplicate existing efforts)
3. Will promote effective use of human resourcesYes <u>X</u> No)
4. Will contribute to economic and/or community developmentYes <u>X</u> No)
5. Will have no significant adverse effect on the environmentYes <u>X</u> No)
6. Will likely meet the needs of the intended recipients)
Explanation of above and/or other comments: ALL INFORMATION CONTAINED IN THE APPLICATION HAS BEEN SUBMITTED. ADDITIONAL INFORMATION REQUESTED HAS BEEN SUBMITTED.	ALL

RECOMMENDATION: Staff recommends favorable comment.

INTERGOVERNMENTAL REVIEW STAFF REPORT

Notice of Intent
Pre-ApplicationX
Application
TITLE: <u>Aviation Promotion and Air Service Development and Enhancement</u>
Programs Pre-application Package (Roanoke Regional Airport FY 2005)
DATE: <u>June 17, 2004</u>
APPLICANT: Roanoke Regional Airport Commission
REVIEWER: Mark McCaskill
Federal Funds: State Funds: Local Matching: Other: Total:
<u>\$0</u> <u>\$45,000</u> <u>\$45,000</u> <u>\$0</u> <u>\$90,000</u>
GRANTOR AGENCY: Virginia Department of Aviation
GRANTOR AGENCY. VITGITILA DEPARTMENT OF AVIATION
BRIEF DESCRIPTION OF PROJECT:
This project seeks to provide an increased level of customer service at the
Roanoke Regional Airport by employing the following strategies and/or data
sources: web based flight guides, air service consultant services, airline
presentations, air service data subscriptions, radio, billboards, TV & print
advertising and flight information data on MUFID and web.
advertising and fright information data on world and web.
CRITERIA USED BY STAFF FOR APPROVAL OR DISAPPROVAL: THE PROPOSED PROJECT:
1. Is consistent with overall plans

2. Will not duplicate existing efforts.....Yes X_No___

			Page 31	
3.	Will	promote effective use of human resourcesYes_	<u>X_</u> No	
4.	Will	contribute to economic and/or community developmentYes_	No	
5.	Will	have no significant adverse effect on the environmentYes_	<u>X_</u> No	
6.	Will	likely meet the needs of the intended recipientsYes_	No	
<u>Ex</u>	pl ana	ation of above and/or other comments:		
AL	L IN	FORMATION CONTAINED IN THE APPLICATION HAS BEEN SUBMITT	ED. ALI	L
AD	DI TI C	ONAL INFORMATION REQUESTED HAS BEEN SUBMITTED.		

RECOMMENDATION: Staff recommends favorable comment.