### ITEM 7 - Action

September 16, 2009

Approval of Amendments to the FY 2010-2015 Transportation Improvement Program (TIP) to Include Projects under the American Recovery and Reinvestment Act (ARRA) as Requested by the Virginia Department of Transportation (VDOT)

## **Staff**

**Recommendation:** Adopt Resolution R6-2010 to amend the FY

2010-2015 TIP to include ARRA projects as requested by VDOT and described in the

attached materials.

**Issues:** None

**Background:** At the June 17 meeting, the Board amended

the FY 2009-2014 TIP to include American Recovery and Reinvestment Act (ARRA)

funded projects for the Virginia Department of Transportation (VDOT) and Charles County. The Board will be briefed on an amendment to the FY 2010-2015 TIP to include additional

ARRA projects as requested by VDOT.

# NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD 777 North Capitol Street, N.E. Washington, D.C. 20002

RESOLUTION APPROVING AN AMENDMENT TO
THE FY 2010-2015 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) THAT IS
EXEMPT FROM THE AIR QUALITY CONFORMITY REQUIREMENT TO ADD \$56.562
MILLION IN AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) FUNDING
FOR TWENTY ROAD, TRANSIT AND BICYCLE/PEDESTRIAN IMPROVEMENT
PROJECTS SELECTED BY THE NORTHERN VIRGINIA TRANSPORTATION
AUTHORITY (NVTA), AS REQUESTED BY THE VIRGINIA DEPARTMENT OF
TRANSPORTATION (VDOT)

**WHEREAS**, the National Capital Region Transportation Planning Board (TPB), which is the metropolitan planning organization (MPO) for the Washington Region, has the responsibility under the provisions of the Safe, Accountable, Flexible, and Efficient Transportation Equity Act - A Legacy for Users (SAFETEA-LU) of 2005 for developing and carrying out a continuing, cooperative and comprehensive transportation planning process for the Metropolitan Area; and

**WHEREAS**, the TIP is required by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) as a basis and condition for all federal funding assistance to state, local and regional agencies for transportation improvements within the Washington planning area; and

WHEREAS, on July 15, 2009 the TPB adopted the FY 2010-2015 TIP; and

**WHEREAS,** on February 17, 2009, the American Recovery and Reinvestment Act of 2009 (ARRA), which includes substantial new funding for the nation's transportation system, was enacted; and

WHEREAS, in the attached letter of August 26, 2009, VDOT, on behalf of the Northern Virginia Transportation Authority (NVTA) has requested an amendment to the FY 2010-2015 TIP to add \$56.562 million in ARRA funding for twenty road, transit and bicycle/pedestrian improvement projects in Northern Virginia, as described in the attached materials; and

WHEREAS, these projects are included in the current conformity analysis or are exempt from the air quality conformity requirement, as defined in Environmental Protection Agency (EPA) regulations "40 CFR Parts 51 and 93 Transportation Conformity Rule Amendments: Flexibility and Streamlining; Final Rule," issued in the May 6, 2005, Federal Register;

**NOW, THEREFORE, BE IT RESOLVED THAT** the NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD amends the FY 2010-2015 TIP to add to add \$56.562 million in ARRA funding for twenty road, transit and bicycle/pedestrian improvement projects in Northern Virginia, as described in the attached materials.



# COMMONWEALTH of VIRGINIA

DAVID S. EKERN, P.E. COMMISSIONER

#### DEPARTMENT OF TRANSPORTATION

14685 Avion Parkway Chantilly, VA 20151 (703) 383-VDOT (8368)

August 26, 2009

National Capital Region Transportation Improvement Program Amendment (ARRA)

The Honorable Charles A. Jenkins
Chairman, National Capital Region
Transportation Planning Board
Metropolitan Washington Council of Governments
777 North Capitol Street, N.E.; Suite 300
Washington, DC 20002-4201

Dear Chairman Jenkins:

On behalf of the City of Alexandria, Arlington County, the City of Falls Church, the City of Fairfax., Fairfax County, the Town of Herndon, The Town of Leesburg, Loudoun County, the Cities of Manassas and Manassas Park, Prince William County, the Town of Purcellville, and itself, VDOT's Northern Virginia District Office requests amending the FY 2010-2015 Transportation Improvement Program (TIP) / 2009 CLRP to add American Recovery and Reinvestment Act (ARRA) Stimulus funding to twenty projects. The proposed amendment will obligate \$56.562M in ARRA funds set aside for the Northern Virginia Metropolitan area and amended into the Commonwealth's Six Year Program by the Commonwealth Transportation Board (CTB) at its July 16, 2009, meeting. The Northern Virginia Transportation Authority (NVTA), after a thorough review of many projects, on May 14, 2009, recommended the attached set of projects for the CTB's approval. VDOT requests that the TPB amend the FY 2010-2015 TIP to include these projects and the ARRA funds in anticipation of the CTB's approval of the projects at its September 16, 2009 meeting. ARRA funds do not require any matching funds.

While the majority of these projects are not regionally significant for air quality conformity purposes, those projects that will have air quality impacts are already included in the currently approved air quality conformity determination for the 2009 CLRP and FY 2010 TIP. The 20 projects are outlined below.

- Enhancement Project- Eisenhower Ave. Trail Underpass (UPC # 94586). This project involves improvements and expansion of the Eisenhower Avenue Multi-Use Trail in the City of Alexandria. The proposed TIP Amendment adds \$0.750 M in ARRA funds and \$0.702 M in Enhancement funds for the CN phase in FY 2010.
- Purchase Vehicles (UPC # 94469). This project involves the City of Alexandria purchasing four new Trolleys to operate along King Street. The proposed TIP Amendment adds \$2.4 M in ARRA funds to the CN phase in FY 2010.
- Purchase ART buses (UPC # 94423). This project involves Arlington County purchasing three heavy-duty low-floor CNG buses for ART. Arlington County anticipates receiving the buses in August / September 2010. The proposed TIP Amendment adds \$1.32 M in ARRA funds in FY 2010.
- <u>Columbia Pike Complete Streets Project (UPC # 94523)</u>. This project funds street improvements along Columbia Pike from South Wakefield Street to Four Mile Run Drive, a distance of 0.40 mi. in Arlington County. The proposed TIP Amendment adds \$2.25 M in ARRA funds for the CN phase in FY 2010.
- Transportation System Management & Communications Plant Upgrade (UPC # 94591). This funding will support Arlington County's Communications Plant upgrade of existing twisted-pair (copper) system with fiber-optic cables to expand the County ITS technologies and enhance the traffic signal system. The proposed TIP Amendment adds \$1.3 M in ARRA funds for the PE & CN phases in FY 2009 and FY 2010 and \$2.27 M in RSTP funds for CN in 2010.
- Pave & Rehab Fairfax Boulevard (US Route 29 / 50) (UPC # 94468). This project involves the paving and rehabilitation of Fairfax Boulevard from Rebel Run to Eaton Place in the City of Fairfax. The proposed TIP Amendment adds \$0.600 M in ARRA funds for the CN phase in FY 2010.
- Fairfax County Parkway-Fair Lakes / Monument Drive Interchange (UPC # 93528). This project involves grade separating the Fairfax County Parkway and Fair Lakes Parkway/Monument Drive intersection. The project will improve traffic and reduce congestion by providing free flow conditions on the Fairfax County Pkwy at its intersection with Fair Lakes Boulevard and Monument Drive. The project scope includes 3 bridges, ramps, signals, lights and trails. The proposed TIP Amendment transfers \$13 M in ARRA funds from FY09 to FY10, adds \$24.8 M in ARRA funds for the CN phase in FY 2010, and adds \$35.47 M in RSTP, \$6.10 M in Other and \$1.31 M in Minimum Guarantee funds for CN in FY 2010.
- Streets & Sidewalk Improvements in Falls Church (UPC # 94424). This project will repair and / or replace existing sidewalks and associated curb and gutter in various locations throughout the City. The proposed TIP Amendment adds \$0.005 M in ARRA funds to the PE phase for FY 2009 and \$0.270 M in ARRA funds for the CN phase in FY 2010.
- Traffic Calming in the City of Falls Church (UPC # 94425). This project includes the installation of traffic calming devices, installation of pedestrian signals, installation of way finding signage, designation of new bicycle routes and roadway improvements to provide traffic calming measures within the City. The proposed TIP Amendment adds \$0.002 M in ARRA funds for the PE phase in FY 2009 and \$0.048 M in ARRA funds to the CN phase in FY 2010.

- Enhancement Project Elden Street Corridor Improvements (UPC # 94590). This project consists of design and right-of-way acquisition for the construction of duct banks and conduits for the future undergrounding of utilities within a three block section of downtown Elden Street from Center Street to Monroe Street. The proposed TIP amendment adds \$0.800 M in ARRA funds for PE and RW phases in FY 2010.
- Route 15 (South King Street) Widening (UPC # 94467). The overall project expands Route 15 from two to four lanes with a median from Evergreen Mill Road to Greenway Drive. The project includes landscaping and other features of a "gateway" to the Town. The proposed TIP Amendment adds \$0.900 M in ARRA funds for the RW phase in FY 2010.
- Waxpool Road / Loudoun County Parkway turn lane & signal modification (UPC # 94639).
   This project will improve traffic flow & safety at this heavily traveled intersection and includes turn lane improvements and signal modifications on all approaches. The proposed TIP Amendment adds \$2.200 M in ARRA funding for CN phase in FY 2010.
- Wellington Road Improvements (Cockrell Road / Ashton Avenue portion of the project) (UPC # 94614). The overall project consists of widening Wellington Road to a divided four lane section with turn lanes and median breaks to allow for turns. It also consists of eliminating the at-grade crossing at Cockrell Road and extending Ashton Avenue to Wellington Road, and adding an at-grade crossing on Ashton Avenue. The proposed TIP Amendment adds \$0.900 M in ARRA funding for the CN phase in FY 2010, \$2.48 M in RSTP for CN phase in FY2010, \$0.00001 M in STP for CN in FY 2010 and \$2.37 M in bond funding for CN in FY 2010.
- Intersection Improvements at Manassas Drive & Euclid Avenue (UPC # 94613). This project involves improving the intersection of Manassas Dr. and Euclid Avenue in the City of Manassas Park. The proposed TIP Amendment adds \$0.300 M in ARRA funding and \$0.181 M in State Urban funding in FY 2010 for the RW phase.
- Prince William County Parkway Widening (UPC # 94426). This project widens Route 3000 – Prince William Parkway – from Hoadly Road to Old Bridge Road to a six-lane divided facility with a 16-foot raised median with curb & gutter and a 5-foot wide sidewalk. The proposed TIP Amendment adds \$9.16 M in ARRA funding to the CN phase in FY 2010.
- Intersection Improvements in Purcellville (UPC # 94466). The project is to fund the design and relocation of existing utilities at the Main Street and South Maple Avenue (Route 7) Intersection. The project will also include some additional sidewalks as well as a bus shelter, pedestrian crossings and upgraded traffic signals. The proposed TIP Amendment adds \$0.125 M in ARRA funding for the CN phase in FY 2010.
- Flashing Beacon Warning System, Route 28 & Waxpool Road (UPC # 94637). The project will install a Flashing Beacon Warning System to alert northbound (NB) drivers to a frequent queueing problem on the NB Route 28 left-exit ramp to Waxpool Road. The proposed TIP amendment adds \$0.500 M in ARRA funding to the CN phase in FY 2010.
- <u>LED Signal Head and Ped Countdown in Loudoun County (UPC # 94638)</u>. The project will enhance safety by improving signal visibility with upgrades of signals to Light Emitting Diodes and by installing pedestrian countdowns throughout Loudoun County. The proposed TIP Amendment adds \$1.00 M in ARRA funding for the CN phase in FY 2010.

- Installation of UPS (Uninterrupted Power Supplies) on major signals in Loudoun County (UPC # 94640). The project will improve safety by installing uninterrupted power supplies (UPS) at major signals in Loudoun County. The proposed TIP Amendment adds \$1.200 M in ARRA funding for the CN phase in FY 2010.
- Pavement Markings in Loudoun County (UPC # 94641). The overall project will, as funding allows, upgrade / install pavement markers and markings on all roads in Loudoun County. The proposed TIP Amendment adds \$0.400 M in ARRA funding to the CN phase in FY 2010.

The attached table presents the revised project funding for the FY 2010-2015 TIP document.

VDOT requests that this amendment be considered and approved by the Transportation Planning Board at its September 16, 2009, meeting. VDOT's representative will be in attendance at the meeting to answer any questions that the TPB may have. Upon approval of this amendment, please furnish copies of the approval to Ms. Jo Anne Sorenson (VDOT's Northern Virginia office) and to Mr. Chad Tucker in VDOT's Transportation and Mobility Planning Division in Richmond.

Voenson Asst. Dist. Afmenshooten for

Thank you for your consideration of and action on this request.

Sincerely,

Morteza Salehi

District Administrator

VDOT - Northern Virginia District

Attachment

# NORTHERN VIRGINIA TRANSPORTATION IMPROVEMENT PROGRAM CAPITAL COSTS (in \$1,000)

TIP AMENDMENT 9/16/09

FY 2010-2015 TIP

ပို % ) | | ၀ % %0 **Funding Shares** Funding Shares Funding Shares Sta Sta Sta % 8 %0 Changes to existing entries in bold Air Quality Project is part of TIP Grouping and does not affect air quality conformity network and the currently approved analyses. 100% Fed Fed 100% Air Quality Project is part of TIP Grouping and does not affect air quality conformity network and the currently approved analyses. Fed 100% Air Quality Project is part of TIP Grouping and does not affect air quality conformity network and the currently approved analyses. Source Funding Source Funding Source Funding ARRA ARRA ARRA Program FY 09-14 Program FY 09-14 Program FY 09-14 \$0.600 \$2.400 \$2,252 Total Total Total Description: Provide Streetscape Improvements on Columbia Pike Reason for Amendment Obligate \$2.252M of federal ARRA (Stimulus) funding for the CN phase of the project. Reason for Amendment Obligate \$2.400M of federal ARRA (Stimulus) funding for the CN phase of the project. 0 0 Reason for Amendment Obligate \$.600M of federal ARRA (Stimulus) funding for the CN phase of the project. FY14 FY14 FY14 Description: Purchase four environmentally friendly trolley buses for City's King Street Trolley. Description: Rehabilitate & repave aging portion of Route 29/50 through the City of Fairfax. FY13 FY13 FY13 0 FY12 FY12 FY12 00 FY11 FY FY11 \$2,252 \$2.400 \$0.600 FY10 FY10 F710  $\overline{\circ}$ 00 FY09 FY09 FY09 Ö Phase Funding Previous Previous Funding Previous Funding VDOT -Grouping: Prevent. Maint. & System Preservation VDOT - Grouping CN:Safety/ITS Oper.Improvements. Phase Phase Const Const ROW Const ROW ROW щ ΡΈ Facility, Location, Description Facility, Location, Description Facility, Location, Description Title: ARRA -Reconstruction & Repaving Facility: Fairfax Boulevard ARRA Columbia Pike Complete Street **VDOT - Grouping: Transit Vehicles** ARRA - Purchase 4 Trolleys South Wakefield Street Jurisdiction: City of Alexandria Jurisdiction: Arlington County Four Mile Run Drive Jurisdiction: City of Fairfax Facility: Rte. 7 -King Street Facility: Columbia Pike Eaton Place Rebel Run From: From: From: Title: <u>ن</u> Agency Project Agency Project Agency Project 94523 94468 94469

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Project			Previous							Program Total	Eimelina		Eunding Shores	
10000	1	Phase	Funding	FY09	FY10	FY11	FY12	FY13	FY14	FY 09-14	Source	Eod -	Sto City	200
9403/	Ittle: ARRA Flashing Beacon Warning System	PE	0	0	0	f I	0	0	0	\$0.500	ARRA	100%	0% 0%	3%0
	From: Va 28/Waxnool Dood Interphoses	₹0%	0	0	0	0	0	0	0					
	To: Va. zo/ waxpool road merchange	Const	lo	0	\$0.500	0	0	0	0					
,	Jurisdiction: Loudoun County													
	Description:	Installation	on of Flashin	g Beacon M	Varning syst	tem to alert	NB drivers	to queing	g problem	Description: Installation of Flashing Beacon Warning system to alert NB drivers to queing problem on NB Route 28 left-exit ramp to Waxbool Road	28 left-exit	ramp to	Waxbool	Road
	Air Quality   The project does not affect air quality conformity network and the project.	The proje	mendinent Congate rederal ARKA (Stimulus) funding for the CN phase of the project. Air Quality The project does not affect air quality conformity petwork and the currents, constitution	A (Stimulus affect air ou	i) funding fo ality confort	rthe CN ph	ase of the	project.	, p 00, 00 a a	, , ,		•	-	
Agency							200	discinus o	na n	Program				T
Q	Facility, Location, Description	Phase	Frevious	FY09	EV40	EV44	EV43	1	Š	Total	Funding	Fund	Funding Shares	es
94638	Title: ARRA LED Signal Hd & Ped Countdown	P.E.	0	0	0	0	0	21.2 C	P.Y.14	£7 09-14	Source	Fed	Sta	98
		ROW	0	0	0	0	0	0	0				╀	
	riorii: Countywide To:	Const	0	0	\$1.000	0	0	0	0					
	Jurisdiction: Loudoun County													
	Description: Improve safety by improving signal visibility with upgrades of signals to LE Reason for Amendment Obligate federal ARRA (Stimulus) funding for the CN phase of the project.	Improve : Obligate	safety by imp ederal ARR	roving sign. A (Stimulus)	al visibility w	vith upgrade	s of signal	s to LED:	s and by ir	by improving signal visibility with upgrades of signals to LEDs and by installing Pedestrian countdowns. If ARRA (Stimulus) funding for the CN phase of the project.	strian coun	tdowns.		
	Air Quality,	The proje	Air Quality The project does not affect air quality conformity network and the currently approved analyses.	affect air qu	ality conform	nity network	and the c	urrently a	pproved a	nalyses.				

Funding Fundir	Fed Sta	<b>32.200</b> ARRA 100% 0% 0%				Improve traffic flow & safety at heavily traveled intersection with turn lane improvements & signal modifications at all	s & signal modifications at all approaches.	SOSY	diyada.	Total Eunding Complete	Source Foot State	Source red Sta	+				doun County.	alyses.		Program Funding Funding St.	A Source End   Store	ARRA 100%				THE PARTY OF THE P	argrounding.	ilyses.	Total Funding Funding Shares	4 Source F	ARRA 100% 0%	ed-Enh.ST 80% 0%			7.7	I.A. CN phase of the project.	lyses.	
	FY14	0 0				mproveme	inprovense	approved ,	apployed		EV14						gnals in Lo	approved a			FY14	1_					n and/or un	approved a		FY14	0		0		o II Soction	for the PE	pproved a	
Š	51.13					tirn lana	e project	Currently	Carron		FY13						it major si ∍ project.	currently			FY13	L					relocation project.	currently		FY13			0		trail Dhac	ncement)	currently a	
Š	7117					tion with	hase of the	rk and the	2 2 2 2		FY12					(3011)	is (OPS) a nase of the	rk and the			FY12	0	0	0			with utility ase of the	k and the		FY12	0	0	0		Multi-lile	ing (Enha	s and the s	
, , , , , , , , , , , , , , , , , , ,		0	0			3d intersec	r the CN p	nity netwo	2		FY11	To	0	0		or Cumplio	the CN pt	nity networ			FY11	0	0	0			reetscape the CN ph	IIIy networ	***************************************	FY11	0	0	0		r Avener	STP fund	ify network	
220	2	0	\$2.200			avily travele	funding for	ality confort		•	FY10	0	0	\$1.200		And Potential	funding for	ulity conform			FY10	\$0.015	0	\$0.785			funding for	EST COMPOSITION	o-i	FY10	0	0	\$1.452		Eisenhowe	unding and	ity conform	
EVAG	0	0	0			safety at he	(Stimulus)	iffect air qua			FY09	0	0	0		alling I Initer	(Stimulus)	ffect air qua	īd.		FY09	0	0	0		1 - 1 - 1 - 1 - 1	(Stimulus)	מבוני מוו אתם		FY09	0	0	0		struction of	(Stimulus)	ect air qua	
Previous	0	0	0			raffic flow & ₹	ederal ARR	Air Quality The project does not affect air quality conformity network and the currently approved applying		Previous	Funding	0	0	0		afety by insta	ederal ARRA	Air Quality I he project does not affect air quality conformity network and the currently approved analyses.	/Non-Tra	Previous	Funding	0	0	0		1	ips implemer ideral ARRA † does not aft	same the currently approved analyses.	Previous	Funding	0	0	0		lements con	deral ARRA	The project unes not affect an quality conformity network and the currently approved analyses.	
Phase	P.E.	ROW	Const			Improve t	Obligate f	The proje			Phase		ROW	Const		Improve s	Obligate for	The projec	Byway.		Phase	$\dashv$	ROW	Const		Oroioot had	Obligate fe			Se	Р. Е.	KOW .	Const		Project imp	Obligate fe	ום חומפר	
Facility, Location. Description	ne & Signal Modification	: Waxpool Road	From: Intersection Waxpool Rd. & Loudoun Co. Pkwy	,	Jurisdiction: Loudoun County		Reason for Amendment Obligate federal ARRA (Stimulus) funding for the CN phase of the project	Air Quality			Facility, Location, Description	ARRA Install. Of UPS on Major Signals	: Miscellaneous	From: Countywide	l 0. Jurisdiction: Loudoun County		Reason for Amendment Obligate federal ARRA (Stimulus) funding for the CN phase of the project.	Air Quality	VDOI -Grouping CN: Transportation Enhance./Byway/Non-Trad.		Facility, Location, Description	ocation	. Elden Street Corridors Improvements	From:	Jurisdiction: Herndon		Reason for Amendment Obligate federal ARRA (Stimulus) funding for the CN phase of the project.  Air Quality The project and effect air quality conferment.	Constant in the second		uo	Eisenhower Ave. Irail Underpass	LISEINIOWER AVE. MUNI-USE TRAIL, Phase II Sect. 1A		Jurisdiction: Alexandria		Reason for Amendment Obligate federal ARRA (Stimulus) funding and STP funding (Enhancement) for the PE & CN phase of the project.	1 Kransk III.	
Project ID	94639		· ·						Agency	Project	Т	94540		- (	<u> </u>			TOO	ין אַ	Agency Project	04100		<u> </u>	<u></u>		21		Agency	Project	,		<u>. u</u>	<u>-                                    </u>	<u>-                                    </u>	<u></u>			

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•		Funding Change	Fed Sta	100% 0%	% 20%	i	1				
	•	l adina	Source Fe	ARRA 100	3-RSTP 80	d-STP 100	other- 0%	Bond			
		Program Total Fi		₹0.900	\$2.488 Fed-RSTP 80%	\$0.000010 Fed-STP 100%	\$2,379 Other-			roject.	1 2 5
_		i ide	FY14	0	0	) <b>\$</b>  0				mendment Obligate federal ARRA (Stimulus) funding as well as RSTP, STP and Bond funds to the project.  Air Quality The project is included in the approved air quality conformity analysis for 2009 of professions.	こしている
			FY13	0	0	0				our lanes. and Bond f	うずっこのうたび
			1 FY12	0	ο	0			ing road to 6	s RSTP,STF	
			10 FY11	0 0	0	\$5.768			widen eviet	ng as well a	
			09 FY10	5 6		<b>S</b>			n funding to	nulus) fundi e approved	
		······································	Ing FY09						s constructic	I ARRA (Stir	
			Firese Funding	M	)et	101			ect provides	igate federal project is in	
		Ċ	PF	ROW	tsucc	<u> </u>			Description: Project provides construction funding to widen existing road to four last	andment Obl	
VDOT - Primary	THE RESERVE THE PROPERTY OF TH	Facility. Location Description	Title: ARRA- Wellington Road Construction	Facility: Rte. 28 (Sullly Road)	From: Godwin Dr.		To: Nokesville Road	Jurisdiction: Manassas.	Dec	Reason for Amendment Obligate federal ARRA (Stimulus) funding as well as RSTP,STP and Bond funds to the project.  Air Quality The project is included in the approved air quality conformity analysis for 2008 C1 Brack 2009	
VDOT -	Agency	Project ID	94614								