

## NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

MEMORANDUM

**TO:** Chairman Martin E. Nohe and Members  
Northern Virginia Transportation Authority

**FROM:** Monica Backmon, Executive Director

**DATE:** February 3, 2017

**SUBJECT:** Approval of the Reallocation of Congestion Mitigation and Air Quality (CMAQ) funds for Prince William County

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1. **Purpose.** To seek Northern Virginia Transportation Authority (NVTa) approval of Congestion Mitigation and Air Quality (CMAQ) Reallocation Request for Prince William County.
2. **Suggested Motion:** *I move approval of the reallocation of Congestion Mitigation and Air Quality funds for Prince William County.*
3. **Background:** On September 11, 2008, the Authority delegated the authority to approve requests to reallocate Congestion Mitigation and Air Quality (CMAQ) and Regional Surface Transportation Program (RSTP) funding between projects that were previously approved by the NVTa to the Regional Jurisdiction and Agency Coordinating Committee (RJACC). However, the Authority will need to approve the transfer requests for new projects before any funds can be reallocated.

On January 24, 2017, Prince William County requested the following reallocations:

- \$49,829 from Route 641 – Provide Handicap Access (UPC 71723), \$15,695 from Route 234 Shared Use Path on County Club Road (UPC 90197), and \$100,059 from Gideon Drive Sidewalk Project (UPC 102931) to Powell's Creek (UPC 105243) which is currently not funded under CMAQ. The purpose of this transfer is to cover the deficit for the Powell's Creek project. The Powell's Creek project will connect a missing sidewalk section with approximately 400 feet of new sidewalk and a 50 foot pedestrian bridge over Powell's Creek, on Route 1. This project will help resolve a major pedestrian safety challenge where residents currently have to enter the highway in order to cross the bridge.

At its meeting on January 26, 2017, the RJACC recommended approval of the reallocation request for Prince William County.

**Attachment(s):** DRAFT Letter to VDOT NOVA District Administrator Cuervo  
Request Letter from Prince William County

**Coordination:** Regional Jurisdiction and Agency Coordinating Committee



**Northern Virginia Transportation Authority**  
*The Authority for Transportation in Northern Virginia*

February 9, 2016

Ms. Helen Cuervo  
 District Administrator  
 Virginia Department of Transportation  
 4975 Alliance Dr. Suite 4E-342  
 Fairfax, Virginia 22030

Reference: Request to Reallocate Congestion Mitigation and Air Quality (CMAQ) funds for Prince William County

Dear Ms. Cuervo:

On September 11, 2008, the Authority delegated the authority to approve requests to reallocate Congestion Mitigation and Air Quality (CMAQ) and Regional Surface Transportation Program (RSTP) funding between projects that were previously approved by the NVTA to the Regional Jurisdiction and Agency Coordinating Committee (RJACC). However, since the receiving project is a new CMAQ project, the Authority needs to approve the transfer request before any funds can be reallocated.

On January 24, 2017, Prince William County requested the following reallocations:

- \$49,829 from Route 641 – Provide Handicap Access (UPC 71723), \$15,695 from Route 234 Shared Use Path on County Club Road (UPC 90197), and \$100,059 from Gideon Drive Sidewalk Project (UPC 102931) to Powell's Creek (UPC 105243) which is currently not funded under CMAQ. The purpose of this transfer is to cover the deficit for the Powell's Creek project. The Powell's Creek project will connect a missing sidewalk section with approximately 400 feet of new sidewalk and a 50 foot pedestrian bridge over Powell's Creek, on Route 1. This project will help resolve a major pedestrian safety challenge where residents currently have to enter the highway in order to cross the bridge.

On February 9, 2017, the Authority approved the above request. Please take the necessary steps to reallocate these funds in the Transportation Improvement Program and the State Transportation Improvement Program. Thank you very much.

Sincerely,

Martin E. Nohe  
 Chairman

Cc: Monica Backmon, Executive Director, NVTA  
 Ricardo Canizales, Director of Transportation, Prince William County



## COUNTY OF PRINCE WILLIAM

5 County Complex Court, Suite 290, Prince William, Virginia 22192-9201  
(703) 792-6825 Metro (703) 631-1703 Fax (703) 792-7159

DEPARTMENT OF  
TRANSPORTATION

Ricardo Canizales  
Director

January 24, 2017

Noelle Dominguez, Chairman  
Regional Jurisdiction and Agency Coordinating Committee  
3040 Williams Drive  
Fairfax, VA 22031

Dear Chairman Dominguez:

Prince William County requests the approval of the Regional Jurisdiction and Agency Coordinating Committee (RJACC) to the following transfer of residual Congestion Mitigation and Air Quality (CMAQ) program funds.

The request is to transfer One Hundred Sixty-Five Thousand and Five Hundred and Seventy-Four (\$165,574) in residual CMAQ FY 2011 and FY 2014 funds. The CMAQ donor projects include the following:

- Route 641 – Provide Handicap Access (UPC 71723) (\$49,829)
- Route 234 Shared Use Path on County Club Road (UPC 90197) (\$15,695)
- Gideon Drive Sidewalk Project (UPC 102931) (\$100,059)

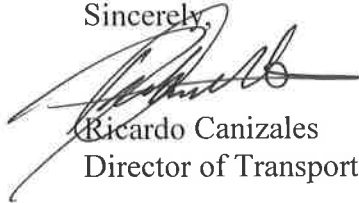
The purpose of the transfer is to cover the deficit for the Powell's Creek project (UPC 105243). The project is to connect a missing sidewalk section with approximately 400' of new sidewalk and a 50' pedestrian bridge over Powell's Creek, on Route 1. This project will help resolve a major pedestrian safety challenge where residents currently have to enter the highway in order to cross the bridge.

The donor projects are completed so the transfer of these residual CMAQ funds would allow the County to advance the Powell's Creek Pedestrian Footbridge. The impetus for the request is to cover all phases of the project including design, construction, necessary utility relocation and contingency funding. Since the project is currently not funded through CMAQ funds, RJACC approval is to be followed for consideration of the full Northern Virginia Transportation Authority Board.

Noelle Dominguez  
January 24, 2017  
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If you have any questions or comments on this request, please contact me at (703) 792-5985.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ricardo Canizales', written over a horizontal line.

Ricardo Canizales  
Director of Transportation

ATTACHMENTS:

- Transportation Emissions Estimation Models (TEEM) Report – Module 2
- CMAQ/RSTP Transfer Request Form

cc: Woodbridge District Supervisor

County Executive

Elizabeth Scullin, Transportation Planning and Programming Division Chief

Claudia Llana, Prince William Preliminary Engineering Manager, VDOT

Jan Vaughn, Programming Manager, VDOT

Attach Signed Request of Transfer Letter

## Transportation Emissions Estimation Models (TEEM) © Report - Module 2, Daily Commuting

Sponsoring Jurisdiction or Agency: **Prince William Co.**

Project: **Powell's Creek Pedistrian Bridge**

Ver. 2016-04

Fiscal Year of CMAQ Funding: **2017**Prepared by: **JD**

### 1. Project Assumptions (Input):

- |  |                    |  |
|--|--------------------|--|
| a. Number of SOV Vehicles eliminated per day:                    | <b>20</b>          |  |
| b. Average no. of non-commute 1-way trips by above vehicles/day: | <b>40</b>          |  |
| c. Avg. 1-way commute Vehicle Miles Traveled (VMT) per SOV:      | <b>0</b>           | (One way mileage saved by eliminating the SOV trip)                              |
| d. Avg. 1-way non-commute Vehicle Miles Traveled per SOV:        | <b>15</b>          | Regional Average: 10 miles   |
| e. Average travel speed of VT (in miles per hour):               | <b>45</b>          |  |
| f. Number of days in a year vehicle trips reduced                | <b>320</b>         | (Typically 320 days)   |
| g. Total capital cost (in current year \$):                      | <b>\$1,784,066</b> |  |
| h. Life span of the project / program (in years):                | <b>30</b>          |  |
| i. Average annual maintenance cost (in current year \$):         | <b>\$0</b>         | The purpose of the project is to connect a missing side street to the main road. |
| j. Average annual revenue (in current year \$):                  | <b>\$0</b>         |  |
| k. Anticipated total resale/salvage value (current year \$):     | <b>\$0</b>         |  |
| l. Anticipated project / program completion date (2017 - 2030):  | <b>2019</b>        |  |
| m. Year in which VT / VMT reductions ends (2018 - 2040):         | <b>2041</b>        |  |
| n. Facility Type:  | <b>Both</b>        | (If project affects operations on Arterial and Freeways: e.g. Park-and-ride lot) |

Emissions factors corresponding to weighted speeds will be used. The weighted speeds represents 40% freeways & 60% arterial mix.

## II. Primary Calculations (Vehicle and Cost):

	2017	2020	2025	2030	2040
Emissions reductions in the year:	No	Yes	Yes	Yes	Yes
a. Total number of cold starts eliminated in a day	0	840	840	840	840
b. Total number of hot soaks eliminated in a day	0	840	840	840	840
c. Total miles of travel eliminated in a day	0	12,000	12,000	12,000	12,000
d. Annualized total cost (\$ / year)	\$0	\$59,469	\$59,469	\$59,469	\$59,469
e. Net daily project/program cost (\$/day)	\$0	\$186	\$186	\$186	\$186

### III. Emissions Reductions Calculations:

[illegible]