



Northern Virginia Transportation Authority
The Authority for Transportation in Northern Virginia

TECHNICAL ADVISORY COMMITTEE

Wednesday, January 18, 2017, 7:00pm

NVTA Office

3040 Williams Drive, Suite 200

Fairfax, Virginia 22031

SUMMARY NOTES

I. Call to Order/Welcome Mr. Fahl

- Mr. Fahl called the meeting to order at 7:00pm.
- Attendees:
 - Members: Agnes Artemel; Armand Ciccarelli; Doug Fahl; Meredith Judy; Kathy Ichter; Pat Turner; Shanjiang Zhu.
 - NVTA Staff: Keith Jasper (Principal, Transportation Planning and Programming); Sree Nampoothiri (Transportation Planner).
 - Other: Tom Biesiadny (Fairfax County); James Davenport (Prince William County).

Action

II. Meeting Summary of November 16, 2016 Mr. Fahl

- Ms. Artemel moved approval of the November 16, 2016 meeting summary; seconded by Dr. Zhu. The motion carried unanimously with abstentions from those who were not present at the November meeting.

III. CY2017 Meeting Schedule Mr. Fahl

- Ms. Judy moved approval of the CY2017 Meeting Schedule with the December 20, 2017, meeting noted as optional; seconded by Ms. Artemel. The motion carried unanimously.

IV. CY2017 Chair/Vice Chair Nominations Mr. Fahl

- Ms. Turner nominated Mr. Boice and Mr. Fahl to continue as Chair and Vice Chair respectively; seconded by Dr. Zhu. The motion carried unanimously.

V. TransAction: Weightings of Performance Measures Mr. Jasper

- Mr. Jasper reported that the Authority adopted the proposed 15 performance measures for the evaluation and analysis of projects submitted to the TransAction Update, after considering the recommendations from the Technical Advisory Committee (TAC), Planning Coordination Advisory

Committee (PCAC), TransAction Subcommittee, and Planning and Programming Committee (PPC).

- Mr. Jasper pointed out that the FY2017 Program selection process included the House Bill 599 (HB 599) measures that together constituted a 45% total weight. He added that all of the HB 599 measures from the FY2017 Program analysis were included in the adopted measures for TransAction Update.
- In response to Ms. Artemel's question on the Authority's consideration of the weightings, Mr. Jasper responded that the weightings had not yet been presented to the Authority for consideration.
- Ms. Judy and Mr. Ciccarelli asked if the 45% weighting for the HB 599 measures was legally required and if the TAC can change it. Mr. Jasper replied that it is not a legal requirement and the TAC may recommend changes to the Authority, noting the Authority has the final decision making power.
- In response to Dr. Zhu's question of how quantitative and qualitative measures are treated, Mr. Jasper mentioned that the methodology to calculate qualitative measures is still being developed and it will be comparable to the quantitative measures.
- Members raised concerns about the difficulty of uniformly applying measures such as transit and bike-ped accessibility across urban, suburban, and rural areas of the region. Mr. Jasper noted that these measures are intended for relative comparisons among packages of projects.
- Mr. Fahl reiterated that the projects ought to result in improved safety in all cases, therefore the safety measure need not be given a high weighting.
- Mr. Jasper explained VDOT's Equivalent Property Damage Only (EPDO) values in response to questions from Mr. Fahl and Ms. Artemel. He added that these values will be divided into high/medium/low categories and packages will be scored accordingly. Mr. Ciccarelli suggested exploring the possibility of weighing EPDO values by vehicle miles traveled (VMT).
- Mr. Ciccarelli suggested exploring methods for modeling VMT by speed and its impacts on analyses, considering speeds more than 65 mph are bad for the environment. However, the model might be calibrated to a maximum of 65 mph to match the legal speed limit.
- The members started their deliberation on weightings from the 60-30-10 percentages for Goals 1-2-3 as agreed by the TAC at its November meeting. The TAC recommended the following weightings to the Authority:
 - 1.1.1 Total person hours of delay (HB 599) – 10%
 - 1.1.2 Transit crowding (HB 599) – 6%
 - 1.1.3 Person hours of congested travel in automobiles (HB 599) – 8%
 - 1.1.4 Person hours of congested travel in transit vehicles (HB 599) – 7%
 - 1.2.1 Congestion severity: Maximum travel time ratio – 2%
 - 1.2.2 Congestion duration (HB 599) – 15%
 - 1.3.1 Percent of jobs/population within 1/2 mile of high frequency and/or high performance transit – 7%
 - 1.3.2 Access to jobs within 45 mins by auto or within 60 mins by transit (HB 599) – 5%

- 1.4.1 Average travel time per motorized trip between Regional Activity Centers – 5%
 - 1.4.2 Walkable/bikeable environment within a Regional Activity Center – 5%
 - 2.1.1 Safety of the transportation system – 5%
 - 2.2.1 First and last mile connections – 8%
 - 2.3.1 Share of travel by non-SOV modes – 5%
 - 2.4.1 Person hours of travel caused by 10% increase in PM peak hour demand (HB 599) – 2%
 - 3.1.1 Vehicle miles traveled (VMT) by speed – 10%
- Mr. Nampoothiri presented the draft weightings being considered by the TransAction Subcommittee.
 - Mr. Jasper pointed out that the TransAction public engagement suggested that congestion measures are the top priority for the public.

Discussion/Information

VI. Development of Six Year Program Framework Mr. Jasper

- Mr. Jasper presented the key milestones in the development of Six Year Program, with approval of the framework expected in March 2017 and adoption of the FY2018-23 Six Year Program in spring 2018.
- Mr. Jasper added that the framework should include moving from plan to program, roles/responsibilities/schedule of the program, and financial principles.
- Mr. Jasper explained that the details will be discussed in upcoming TAC meetings. Mr. Fahl requested staff provide a copy/link to the presentation for reference.

VII. NVTA Update Mr. Jasper

- Mr. Jasper informed the Committee members that the Authority met on January 12, 2017, and noted the following:
 - ✓ The final four Standard Project Agreements (SPAs) from the FY2017 Program were approved. This completed the execution of agreements for all projects from the FY2017 Program, with the exception of the I-66/Route 28 Interchange Project, which is on hold until the financial closure between the Commonwealth and the private concessionaire for Transform 66 Project – Outside the Beltway.
 - ✓ The Authority released its 2016 Annual Report.
 - ✓ NVTA staff plans to include monthly/quarterly congestion trends in future Executive Director’s reports to the Authority.

- ✓ The PCAC will meet on January 26, 2017 and the PPC on January 30, 2017. Both committees will develop their own recommendation on the weightings for the TransAction performance measures to be presented to the Authority at its February 9, 2017 meeting.
- ✓ The NVTA will host a VTrans Open House on January 26, 2017.

- In response to Mr. Fahl's question regarding Mr. Dunphy's resignation from the TAC, Mr. Jasper noted that the resignation was effective January 15, 2017, and that we are awaiting the appointment of a new member by the Commonwealth's Secretary of Transportation.

Adjournment

VIII. Adjourn

Mr. Fahl

- Meeting adjourned at 8:55pm.