

NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

MEMORANDUM

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

FROM: Randy Boice, PE, Chair, Technical Advisory Committee

DATE: January 30, 2017

SUBJECT: Report from the Technical Advisory Committee

1. Purpose. To inform the Northern Virginia Transportation Authority (NVTA) on the recent activities of the Authority's Technical Advisory Committee (TAC).

2. Background. The TAC met on January 18, 2017. The Committee was briefed on the Authority's agenda for the January 12, 2017, Authority meeting and the approval of performance measures at the December 8, 2016 meeting.

The Committee unanimously nominated Mr. Randy Boice as Chairman and Mr. Doug Fahl as Vice Chairman of the TAC for CY2017. The Committee also approved a meeting calendar for CY2017, with the committee expected to meet on third Wednesdays of each month, with no meeting in August.

The Committee's recommendation on the weightings of the performance measures are:

- Measures/Weightings – Goal 1 (Enhance quality of life and economic strength of Northern Virginia through transportation)
 - 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%

- Measures/Weightings – Goal 2 (Enable optimal use of the transportation network and leverage the existing network)
 - 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%

- Measures/Weightings – Goal 3 (Reduce negative impacts of transportation on communities and the environment)
 - 3.1.1 Vehicle miles traveled (VMT) by speed – 10%

The Committee received an introduction to the need and concepts for the development of Six Year Program framework, which the Committee will discuss at the next meeting.

3. Next steps. The Committee will continue to be engaged with the TransAction update, as well as the Six Year Program framework development, providing technical input and advice. The next meeting of the Technical Advisory Committee is scheduled for February 15, 2017, 7:00 pm at the NVTA offices.