MEMORANDUM

To: Charlottesville-Albemarle Metropolitan Planning Organization Policy Board
From: Taylor Jenkins, Director of Transportation
Date: February 25, 2026
Subject: CA-MPO Travel Demand Model Forecast Year Demographics Approval

Purpose:
To seek approval from the CA-MPO Policy Board on forecast year (2050) demographics for the updated CA-MPO travel demand model.

Background:
The Virginia Department of Transportation (VDOT) Transportation and Mobility Planning Division works with MPOs on the development and maintenance of the regional travel demand model, an analytical tool used to support the transportation planning process. With VDOT and AECOM support, CA-MPO staff are currently updating the model for a new base year (2022) and forecast year (2050). Sociodemographic estimates have been forecasted for the model forecast year (2050) using the following data sources:

- Weldon Cooper Population Forecasts for total population
- Woods & Poole Sociodemographic Forecasts for housing, income, age, and employment
- American Community Survey (ACS) and Decennial Census Estimates for various factors
- University of Virginia provided data for enrollment and parking

The project team coordinated with consultant staff for the City of Charlottesville to develop employment forecasts specific to the City. The project team also coordinated with Albemarle County staff to review and incorporate updates to proposed population and employment forecasts based on local knowledge of development patterns and anticipated future land use.

Following CA-MPO Policy Board approval of forecast year demographics, the project team will continue calibration of the model using the approved base and future year estimates. The project team will then begin development of future year travel pattern scenarios based on the approved model inputs. The tentative project completion date is April 2026.

Recommendations:

CA-MPO Technical Committee:
The CA-MPO Technical Committee recommended CA-MPO Policy Board approval of the 2050 demographic forecast for the regional travel demand model.
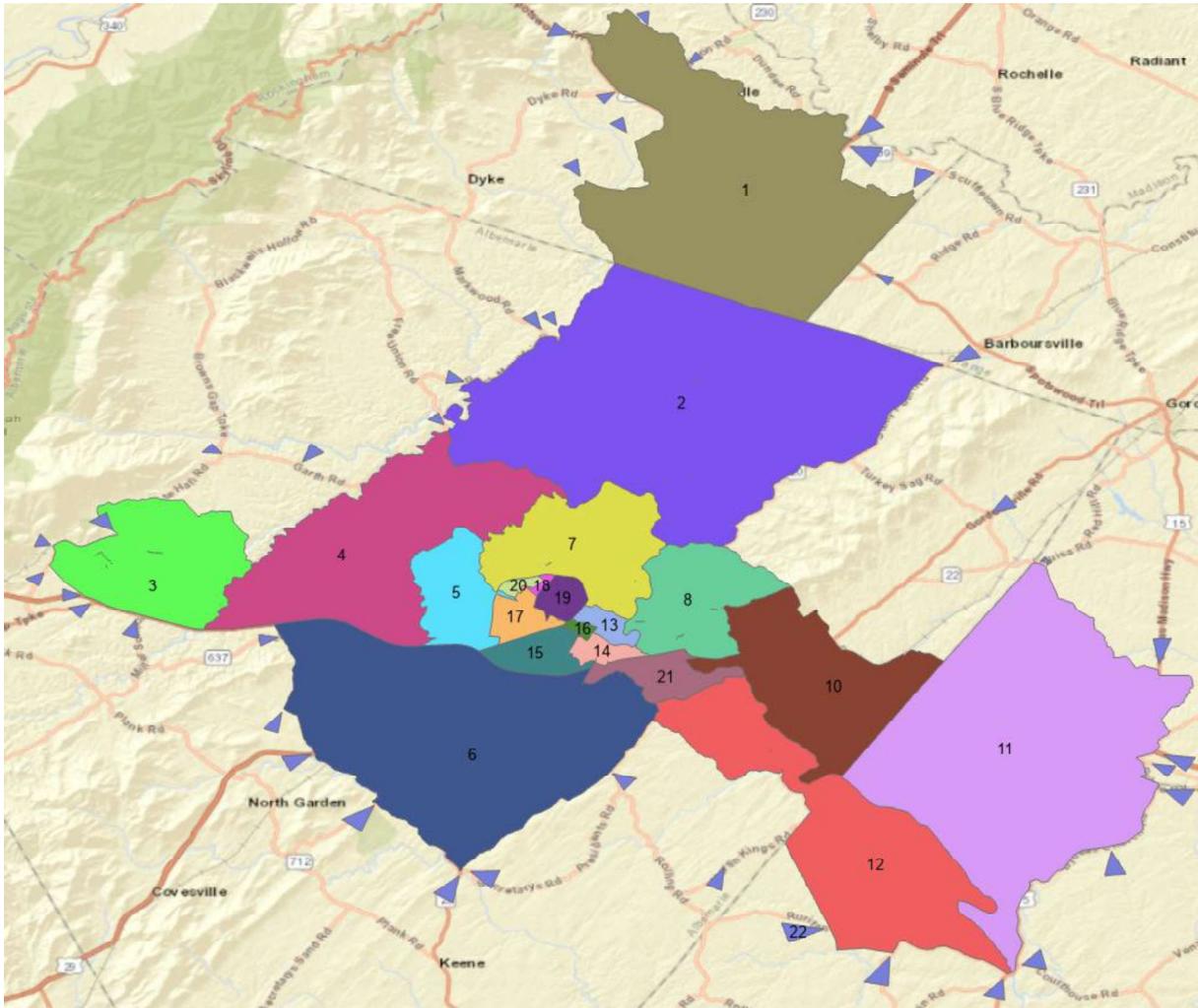
CA-MPO Policy Board:
Staff recommend a motion to approve the 2050 demographic forecast as presented by VDOT and AECOM for the regional travel demand model.

If there are any questions or comments, please contact Taylor Jenkins at tjenkins@tjpdc.org and Sarah Simba at ssimba@tjpdc.org.

Data development and Model Input Updates

- **District Definition**
  - District definition from the current model and suggested names

1	Greene
2	Hollymead
3	Crozet
4	W Albermarle
5	Ednam
6	S of Charlottesville
7	N of Charlottesville
8	E of Charlottesville
10	Keswick
11	Louisa
12	Fluvanna
13	N of Downtown
14	SE of Downtown
15	SW of Downtown
16	Downtown
17	University of Virginia
18	Barracks Road
19	Barracks Rugby
20	Darden UVA
21	Auburn Hills

Data development and Model Input Updates

- **N of Charlottesville district shows most increase in population and employment**

District		Total Population				Total Employment			
		2022	2050	Difference	Percent	2022	2050	Difference	Percent
Greene	1	16,445	21,263	4,818	29%	3,504	5,649	2,145	61%
Hollymead	2	19,461	25,792	6,331	33%	6,970	10,746	3,776	54%
Crozet	3	9,956	13,171	3,215	32%	1,596	2,516	920	58%
W Albermarle	4	5,511	6,938	1,427	26%	509	739	230	45%
Ednam	5	1,708	2,210	502	29%	3,976	6,743	2,767	70%
S of Charlottesville	6	12,717	17,071	4,354	34%	3,180	4,686	1,506	47%
N of Charlottesville	7	29,971	38,628	8,657	29%	18,110	26,409	8,299	46%
E of Charlottesville	8	5,934	7,749	1,815	31%	7,672	12,304	4,632	60%
Keswick	10	3,443	4,553	1,110	32%	1,211	1,963	752	62%
Louisa	11	8,335	10,707	2,372	28%	3,899	5,403	1,504	39%
Fluvanna	12	14,015	17,061	3,046	22%	2,433	3,111	678	28%
N of Downtown	13	6,199	6,992	793	13%	8,834	9,592	758	9%
SE of Downtown	14	6,163	6,962	799	13%	2,773	2,972	199	7%
SW of Downtown	15	14,371	16,528	2,157	15%	2,351	2,856	505	21%
Downtown	16	1,697	1,913	216	13%	8,249	9,724	1,475	18%
University of Virginia	17	16,772	20,437	3,665	22%	10,696	15,176	4,480	42%
Barracks Road	18	1,326	1,496	170	13%	2,805	2,935	130	5%
Barracks Rugby	19	9,039	10,404	1,365	15%	3,794	4,331	537	14%
Darden UVA	20	1,050	1,485	435	41%	958	1,603	645	67%
Auburn Hills	21	90	119	29	32%	364	623	259	71%
	Total	184,203	231,479	47,276	26%	93,884	130,081	36,197	39%