

Transportation Advisory Committee

Meeting date: May 19, 2025

Agenda Item #: 6 (Attachment D)

2050 Regional Transportation Plan Update – Scenarios Results

Agenda item type: Discussion

Summary

Results from the scenario planning effort for the update to the 2050 Metro Vision Regional Transportation Plan.

Background

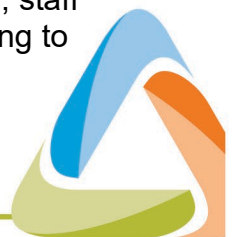
An early and significant effort while developing the original 2050 Metro Vision Regional Transportation Plan was developing and testing multiple transportation and land use scenarios. The future analysis is not intended as a rigorous “evaluation”, to “choose” a specific scenario (or hybrid), or to label a particular scenario “good” or “bad” based on its characteristics or results. The objective is to understand how and to what extent each scenario influences regional relationships between urban form, transportation system approaches, travel and mobility patterns.

At the October 2024 TAC meeting, staff provided a recap of the previous scenario planning analysis results from 2020, discussed the latest population and employment forecasts for the region, and sought feedback from members on the most important topics impacting transportation and land use in the region. Staff similarly sought feedback from the Regional Transportation Committee and DRCOG Board of Directors.

At the December TAC meeting, staff provided an update on the results from committee feedback and identified potential next steps for the scenario planning analysis. Since the December series of committee meetings, DRCOG staff have been coding, modeling, and compiling the results of the scenarios. Staff have tested two land use scenarios and three transportation scenarios, as well as several combination scenarios.

The testing started with the base 2050 land use forecast and the base 2050 transportation network. This network is defined as the 2050 Fiscally Constrained Regional Transportation Plan and is run with the base 2050 land use. This base 2050 transportation/land use was used as the foundation for every transportation scenario (network coding) and to compare its model results with each transportation scenario. Additionally, two land use scenarios were tested against several of the transportation scenarios and compared with the transportation scenario results using the 2050 transportation/land use base.

As shown in the attached presentation (Attachment 1) and table (Attachment 2), there are a substantial amount of scenario outcome results. The presentation also defines and illustrates each of the land use and transportation scenarios. DRCOG staff will walk through the scenario outcome results at the May meeting. Based on the discussion at the May TAC meeting, staff anticipate further discussing the implications of scenario results at the June TAC meeting to define a framework for updating the 2050 MVRTP.



Action by others

None

Previous discussion/action

[October 28, 2024](#) – Transportation Advisory Committee

[December 16, 2024](#) – Transportation Advisory Committee

Recommendation

None

Attachments

1. DRCOG staff presentation.
2. Scenario results table.

For more information

If you need additional information, please contact Jacob Riger, Multimodal Transportation Planning Manager, at 303-480-6751 or jriger@drcog.org; or Alvan-Bidal Sanchez, Regional Transportation Planning Program Manager, at 720-278-2341 or asanchez@drcog.org.

