
5.0 Mobility and Cost Effectiveness

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This section provides measures of Transport 2020's mobility improvements and cost effectiveness. Inputs for these measures are obtained from the travel demand forecasts (see Section 3.0) and from the SCC and O&M cost model (see Section 4.0).

■ 5.1 Mobility Improvements

Four measures of mobility improvements are calculated for Transport 2020 and reported in the Mobility and Cost Effectiveness Template provided at the end of this section. Those mobility measures are:

1. Normalized travel time savings – transportation system user benefits per passenger mile;
2. Number of transit dependents using the project;
3. Transit dependent user benefits per passenger mile; and
4. Share of user benefits received by transit dependents compared to the share of transit dependents in the region.

Each of these measures is calculated automatically using data entered into the Travel Forecasts Templates.

■ 5.2 Cost Effectiveness

Two measures of cost effectiveness are calculated and reported for Transport 2020:

- Incremental cost per hour of transportation system user benefits; and
- Incremental cost per incremental passenger in forecast year.

These measures also are calculated and reported in the Mobility and Cost Effectiveness Template using data from the Travel Forecasts Template and input data on Baseline and Build capital and O&M costs.