GHG Transit Inputs TEMPLATE

*This document will be used by CARB staff to confirm the user-inputs in the Transit Inputs tab of the AHSC Benefits Calculator Tool. Transit agencies should provide all information requested in the template below for each proposed transit project, attach additional evidence where specifically requested, and sign the document to affirm inputs are correct and the proposed project(s) will be built as stated. If the inputs in the AHSC Benefits Calculator Tool differ from the inputs in this document, CARB staff will defer to this signed document to verify and score GHG benefits. If the information in this document is not submitted, CARB staff will not score the GHG benefits of the proposed project(s).*

*Please refer to the* [*AHSC Quantification Methodology*](https://ww2.arb.ca.gov/sites/default/files/auction-proceeds/sgc_ahsc_finalqm_121423.pdf) *and* [*User Guide*](https://ww2.arb.ca.gov/sites/default/files/auction-proceeds/sgc_ahsc_userguide_121423.pdf) *for input definitions and guidance on filling out the Transit Inputs Tab of the AHSC Benefits Calculator Tool.*

[Transit Agency] has verified the following AHSC Benefits Calculator Tool inputs and attachments for [Project name (as listed in the AHSC Benefits Calculator Tool)].

* Transit project component type: [Enter Response]
* Year 1 and year F: [Enter Response]
* Annual days of operation: [Enter Response]
* Adjustment factor for transit dependency: [Enter Response]
* One-way length of average auto trip reduced: [Enter Response]
* Fuel type: [Enter Response]
* Carbon intensity of fuel (optional): [Enter Response]
* Hybrid Vehicle (yes/no)? [Enter Response]
* Engine model year of transit vehicle (if applicable): [Enter Response]
* Annual VMT of Transit Vehicle: [Enter Response]
* Annual fuel consumption of transit vehicle (if applicable): [Enter Response]
* Average one-way fare in Year 1 ($): [Enter Response]
* Discounted one-way fare ($) (if applicable): [Enter Response]
* Avoid toll bridge or road (yes/no)? [Select Yes or No]
* Paid parking at transit facility (yes/no)? [Select Yes or No]
* Ridership Inputs:

*If the agency chooses to use the* [*Caltrans ridership increase tool*](https://dashboards.calitp.org/public/dashboard/01fb85e3-625d-4d77-9da7-565dd218bb16?number_of_additional_trips_-_weekday=0&number_of_additional_trips_-_saturday=0&number_of_additional_trips_-_sunday=0) *to develop ridership inputs, skip the next 4 questions and provide screenshots of the Caltrans tool’s inputs and outputs for years 1 and F.*

* 1. Please describe the proposed service and/or capital improvement, including how the improvement will lead to an increase in ridership on the transit route or an increase in ridership system-wide:

*(e.g., “Agency will purchase a new vehicle to run on Route 6, which will increase service frequencies on this route from every 20 minutes to every 15 minutes from 7am to 9am and 4pm to 7pm. This will reduce wait time and improve connections to other transit routes.”)*

[Enter response for Question 1]

* 1. What is the annual ridership on this transit route or system, at the time of application?

[Enter response for Question 2]

* 1. What is the route or system’s projected annual ridership in year 1 and year F, **without** the AHSC-funded improvement? Please account for COVID-19 impacts. Attach or link to agency’s public or internal ridership projection report or describe ridership projection assumptions for the transit route or system.

*(e.g., “As outlined in the attached report, annual ridership on Route 6 has decreased by x% due to the COVID-19 pandemic. However, ridership is expected to rise by x% annually, without the AHSC-funded improvement, resulting in 150,000 trips in year 1 and 200,000 in year F.”)*

[Enter response for Question 3]

* 1. What is the route or system’s projected annual ridership increase in year 1 and year F, **resulting from** the proposed AHSC-funded improvement? If the agency is claiming system-wide ridership increase, please describe what portion of the system-wide increase is attributed specifically to the AHSC-funded improvement. Clearly describe assumptions for ridership increase, include ridership increase calculations (preferably in Excel), and attach or link to data sources.

*(e.g., “The AHSC-funded frequency increase on Route 6 will lead to a x% of annual ridership increase. In year 1 this will result in an additional 1,000 trips per year over the year 1 baseline of 150,000 and in year F this will result in an additional 3,000 trips per year over the year F baseline of 200,000. To determine ridership increase, we multiplied the projected number of passengers per vehicle/revenue hour by every additional AHSC-funded vehicle trip/revenue hour. This number was then multiplied by the number of days the new AHSC-funded service will operate. To determine how many passengers per vehicle trip/revenue hour we could expect in year 1, we assumed an x% annual increase based on the ridership impact that similar service changes have had to similar transit routes in our system. We then used data of ridership increase trends on this route for the past 10 years (excluding 2020 and 2021) to determine that year 1 AHSC-funded ridership would increase by x% in year F. Please see attached calculations of the projected number of passengers per vehicle and of total ridership increase for the proposed project as well as data from the previously implemented project for reference.”)*

[Enter response for Question 4]

[Transit Agency Signature]

[Transit Agency Contact]

[List of Attachments]