

EXHIBIT A1

SCOPE OF WORK

Fresno ABM On-call Modeling Support

August 2025

SCOPE OF WORK

RSG will assist Fresno COG staff with any technical issues related to the base year update of Fresno ABM up to the budget permitted. The tasks include but are not limited to: 2023 base year update, troubleshooting modeling problems, assisting 2026 SCS VMT modeling efforts, sensitivity testing of new enhanced transit improvements, helping modify the scripts as needed.

Task 1 - Troubleshoot modeling problems

- Troubleshoot major and minor problems related to the model update or model related data during the VMT modeling analysis in the overall COG planning and modeling.

Task 2 – 2026 RTP/SCS modeling assistance

- Provide support for any modeling issues related to the development of the 2026 RTP/SCS, including but not limited to the update of SCS Technical Memo, Scenarios modeling and analysis, EJ modeling support, performance indicator calculation, long term induced demand calculation methodology, etc.

Task 3 - Model refinements/improvements

- Continue to refine the newly added enhancements like managed lanes, truck restrictions, telecommuting, TNC, transit modules along with some minor model refinement needs.

Task 4 – Sensitivity tests

- Provide assistance to Fresno COG in conducting/continuing the sensitivity tests of the newly added transit modules, Light Rail Transit (LRT) and Commuter Rail Transit (CRT) within the model.

Task 5 – Quality check of the Airport Survey and document the needs for next ABM update

- Fresno COG is conducting the Airport Access Survey in FY 2025-26. RSG will assist in identifying the data needs from that survey. RSG will also do some quality checks of the airport survey data so that the data is ready to be utilized during the Airport Model development in the next round of model update.
- RSG will identify and document the modeling needs that will be addressed in the next round of model update.

Task 6 – Maintain hosting the ABM setup and documentation on GitHub

- Continue to host and maintain the ABM and its ongoing updates on the GitHub platform along with the model documentation update.

Task 7 – 2023 Base Year Model Update

- Utilize the 2023 Central California Travel Survey (CCTS) to calibrate and validate the new base year to 2023
- Capture the post COVID travel trends and characteristics to reflect the after-COVID travel and telecommute scenario
- Update the Auto Operating Cost (AOC) module to make it reasonably sensitive based on the CARB's elasticity range
- Adjust the Replica external demands based on 2023 traffic counts

Billing Rates

Name	Classification	Hourly rate
Joel Freedman	Senior Advisor	\$374.55
Nagendra Dhakar	Advisor	\$209.46
Teddy Lin	Project Manager	\$196.46
Rohan Sirupa	Analyst	\$146.03