

**Following lists official response to all questions received by AMBAG in response to
Request for Proposals
for
Central Coast Supra-regional Activity-Based Model Framework**

Questions relate to the statement on Page 5 as quoted here, ***“Model applications developed outside the TransCAD platform, if any, should be an open-source programming language and must have committed long-term upgrade and maintenance plans.”***

1. Is it the intention of the 3 MPOs that when the ABM Framework is complete, it will be an open-source product that other MPOs can download, configure and use freely or will the ABM Framework and source code developed under this contract (the work product) be owned by the 3 MPOs as is typically specified in agency contracts?

The ABM Framework and source code developed under this contract (the work products) will be owned by the 3 MPOs (the specific language will be included in the final contract) and will be able to be shared and modified with permission by anyone that has the applicable software platform and/or experience with the programming language.

2. Is the statement above simply indicating that any code, written in a language other than GISDK, should be in a language such as, Python, or Java, R? Or, is it also implying that the end product should also be open-source?

Any programming language is acceptable assuming it is modifiable by anyone with experience with that language, so as to not be limited to one model developer/vendor in the future.

3. Do the 3 MPOs have an open-source language preference and/or an open-source language they will definitely NOT consider?

Strongly encourage the continued use of GISDK as the programming language (current models are developed using GISDK programming language), although open to recommendations within the submitted proposal.

4. Please clarify whether the transmittal letter, table of contents, required letters of commitment from our sub-consultants, affirmative action policy and discussion of our use of DBEs, count toward the 25 page limit of the document.

No, they are not counted toward the 25 page limit.

5. Please clarify whether we should include references for our sub-consultants.

Optional, but encouraged.

6. The RFP asks for complete model runs for years 2010, 2020, 2035, 2040, and 2050 for each MPO. Can you describe what existing model inputs, such as zone data and networks, are available by year for each MPO?

All three MPO will provide transportation networks as well as zonal data for each available year.

AMBAG: Highway/Transit network and TAZ level land use data for Households, Population, Employment (six categories), Student enrollments for K-12 and University, Hotel/Motel Rooms, and # of tourist attractions at specific location will be made available by each year.

SBCAG: Highway/Transit networks include 2010, 2020, 2035, & 2040 scenarios. Forecast year household, employment, and land use zonal data is supplied by outputs from the UPlan land use allocation model. Current land use model year runs include 2010, 2020, 2035, and 2040 with similar attributes to AMBAG. Development of a 2050 land use model year run will depend on a demographic forecast process ending mid-year 2018.

SLOCOG: 2010 based (with 2020 and 2035 scenarios) Highway/Road Master Network coded with transit, TAZ Level data (as output from Regional Land Use Model (CommunityVIZ)/processed for Regional Traffic Model for 2010, 2020, 2035) using data for households (5 Residential Unit groups with HHsize), Population (with income/age/and cross classifications), Employment (9 types), and Enrollment (3 levels). 2045 Scenario development expected in spring of 2018 using existing traffic model to develop in preparation of our 2019 RTP.