

NEVADA DEPARTMENT OF TRANSPORTATION
Addendum 1 to RFP 133-15-010

Reference is made to the Request for Proposal (RFP) to Service Providers for I-80/I-580/US-395 Traffic Study, upon which proposals will be received until 3:00 p.m., local time, on May 12, 2015.

Please note the following change(s) to the RFP:

PAGE 15: 1.0 GENERAL

REPLACE:

The following terms are defined to clarify intended meaning and minimum software requirements for the purposes of this RFP.

Base Year: 2015

Opening Year: 2020

Design Year: 2040

WITH:

The following terms are defined to clarify intended meaning and minimum software requirements for the purposes of this RFP.

Base Year: 2015

Opening Year: 2020

Interim Year: 2030

Design Year: 2040

PAGE 15: 1.2 GENERAL DESCRIPTION OF SERVICES

REPLACE:

The scope of services for this work shall include the following major tasks:

- TRAFFIC FORECASTING
- TRAFFIC MODELING AND OPERATIONAL ANALYSIS
- CONCEPTS ANALYSIS
- INITIAL ENVIRONMENTAL COORDINATION/PEL QUESTIONNAIRE

The SERVICE PROVIDER will:

- Be responsible for obtaining and verifying with the DEPARTMENT that they have the most current version of applicable technical references.
- Follow all Federal, State and Local adopted and accepted criteria. Any deviation from criteria will need to be documented and submitted to the DEPARTMENT for approval

WITH:

The scope of services for this work shall include the following major tasks:

- TRAFFIC FORECASTING
- TRAFFIC MODELING AND OPERATIONAL ANALYSIS
- CONCEPTS ANALYSIS
- INITIAL ENVIRONMENTAL COORDINATION/PEL QUESTIONNAIRE
- PROJECT MANAGEMENT
- BENEFIT COST ANALYSIS

The SERVICE PROVIDER will:

- Be responsible for obtaining and verifying with the DEPARTMENT that they have the most current version of applicable technical references.

- Follow all Federal, State and Local adopted and accepted criteria. Any deviation from criteria will need to be documented and submitted to the DEPARTMENT for approval

PAGE 16: 1.2 GENERAL DESCRIPTION OF SERVICES

DELETE:

If it is determined to be in the best interest of the DEPARTMENT an amendment to the SERVICE PROVIDER Agreement may be pursued to include Environmental Studies, Final design, PS&E Development, Contract Administration Support and Construction Support for at least one of the three projects. These activities will be in support of delivering the selected project a DBB, DB or a CMAR contract.

PAGE 16: 1.3 SCHEDULE AND DELIVERABLES

REPLACE:

The SERVICE PROVIDER will prepare a milestone/deliverables schedule to identify significant and major PROJECT related milestones that may surface during the course of the project. The schedule will use the NTP date as the start date. The schedule will be updated monthly or whenever there is a significant change. The schedule will consist of traffic forecasting, traffic modeling and operational analysis, and concepts analysis phase. It is desired that the schedule will reflect a late finish date of no later than 18 months from the NTP and be organized based on the following prioritized list:

1. Provide traffic forecasts within the REGIONAL LIMITS of the PROJECT per the approved methodology
2. Create and calibrate existing conditions model per the approved methodology for use in opening and design years within the INTERIOR LIMITS of the PROJECT
3. Perform traffic modeling and operational analysis for both the INTERIOR and REGIONAL LIMITS of the PROJECT
4. Prepare Traffic Study Report with recommendations
5. Provide concepts analysis and prepare a summary Report with recommendations

The SERVICE PROVIDER shall anticipate the following deliverables and each one with a (REPORT) designation will be submitted in draft form first for review and comment by the DEPARTMENT. All electronic files for the models and operational analysis, including those from support software, shall also be submitted as a deliverable. The SERVICE PROVIDER shall provide the DEPARTMENT with a DVD that includes the electronic files of all the deliverables.

- Traffic Forecasting Methodology Memorandum (REPORT)
- Traffic Forecasts with Associated Documentation (REPORT)
- Traffic Modeling and Analysis Methodology Memorandum (REPORT)
- Model Calibration Methodology Memorandum (REPORT)
- Completed CORSIM Models (Base, Open, Design)
 - 1 Base Model
 - AM & PM Peak Period (year 2015)
 - 4 No-build Models
 - AM & PM Peak Period (years 2020 and 2040)
 - 4 Build Models
 - AM & PM Peak Period (years 2020 and 2040)
- Completed HCS 2010 Analysis for open and design years
- Traffic Study Recommendations (REPORT)
- Completed CORSIM Models (Open and Design) for up to 3 concepts
 - 12 No-build Models

- AM & PM Peak Period (years 2020 and 2040)
 - 12 Build Models
 - AM & PM Peak Period (years 2020 and 2040)
- Concepts Analysis Summary and Recommendations (REPORT)

WITH:

The SERVICE PROVIDER will prepare a milestone/deliverables schedule to identify significant and major PROJECT related milestones that may surface during the course of the project. The schedule will use the NTP date as the start date. The schedule will be updated monthly or whenever there is a significant change. The schedule will consist of traffic forecasting, traffic modeling and operational analysis, and concepts analysis phase. It is desired that the schedule will reflect a late finish date of no later than 18 months from the NTP and be organized based on the following prioritized list:

1. Provide traffic forecasts within the REGIONAL LIMITS of the PROJECT per the approved methodology
2. Create and calibrate existing conditions model per the approved methodology for use in opening and design years within the INTERIOR LIMITS of the PROJECT
3. Perform traffic modeling and operational analysis for both the INTERIOR and REGIONAL LIMITS of the PROJECT
4. Prepare Traffic Study Report with recommendations and Benefit-Cost Studies
5. Provide concepts analysis and prepare a summary Report with recommendations

The SERVICE PROVIDER shall anticipate the following deliverables and each one with a (REPORT) designation will be submitted in draft form first for review and comment by the DEPARTMENT. All electronic files for the models and operational analysis, including those from support software, shall also be submitted as a deliverable. The SERVICE PROVIDER shall provide the DEPARTMENT with a DVD that includes the electronic files of all the deliverables.

- Traffic Forecasting Methodology Memorandum (REPORT)
- Traffic Forecasts with Associated Documentation (REPORT)
- Traffic Modeling and Analysis Methodology Memorandum (REPORT)
- Model Calibration Methodology Memorandum (REPORT)
- Completed CORSIM Models (Base, Open, Design)
- 2 Base Model
- AM & PM Peak Period (year 2015)
- 4 No-build Models
- AM & PM Peak Period (years 2020 and 2040)
- 4 Build Models
- Assume ultimate configuration; no ROW constraints; Design to a density of 35 pc/ln-mi or less
- AM & PM Peak Period (years 2020 and 2040)
- Completed HCS 2010 (Freeway Facilities) Analysis for open and design years
- Boundary limits between REGIONAL LIMITS and INTERIOR LIMITS
- 16 No-build Freeway Facilities Analysis (4 per each segment; north, south, east, and west segments)
- AM & PM Peak Period (years 2020 and 2040)
- 16 Build Freeway Facilities Analysis (4 per each segment; north, south, east, and west segments)
- AM & PM Peak Period (years 2020 and 2040)
- Assume ultimate configuration; no ROW constraints; Design to a density of 35 pc/ln-mi or less
- Traffic Study Recommendations (REPORT)
- Completed CORSIM Models (Open, Interim, and Design) for up to 3 concepts through collaboration with the Department.

- 18 Build Models
 - AM & PM Peak Period (years 2020, 2030, and 2040)
- Concepts Analysis Summary and Recommendations (REPORT)

PAGE 17: 2.1.3 Additional Data Collection

REPLACE:

The SERVICE PROVIDER's data collection shall include information as necessary to provide the basic items listed below, which are required as inputs to perform a Benefit/Cost (B/C) Analysis. [DELETE: B/C analysis will be performed by the SERVICE PROVIDER for proposed improvements within the Spaghetti Bowl ONLY.] Data collection under this task will be limited to entrance/exit ramps and mainline associated with the Spaghetti Bowl.

WITH:

The SERVICE PROVIDER's data collection shall include information as necessary to provide the basic items listed below, which are required as inputs to perform a Benefit/Cost (B/C) Analysis. Data collection under this task will be limited to entrance/exit ramps and mainline associated with the Spaghetti Bowl.

PAGE 19: 3.1 CONCEPTUAL DESIGN - OPTIONAL

REPLACE:

CONCEPTUAL DESIGN - OPTIONAL

The SERVICE PROVIDER shall develop conceptual design plans that provide capacity, operational, and safety improvements within the study area.

WITH:

CONCEPTUAL ALTERNATIVES

The SERVICE PROVIDER shall develop conceptual alternatives that provide capacity, operational, and safety improvements within the study area. The SERVICE PROVIDER will collaboratively work with the DEPARTMENT to identify, develop, and refine concepts.

PAGE 19:

ADD:

5.0 PROJECT MANAGEMENT

The SERVICE PROVIDER shall manage / coordinate project development activities with the DEPARTMENT, other agencies, property owners, and the major commercial interests within the footprint of the study area. Project Management will be executed in coordination with the DEPARTMENT's Project Manager and in accordance with the DEPARTMENT's Project Management Guidelines, a copy of which is included in RFP 133-15-010 Addendum 1.

ADD:

5.1 PROJECT MANAGEMENT PLAN

The SERVICE PROVIDER must prepare a draft project management plan according to the DEPARTMENT's Project Management Guidelines within four (4) weeks of NTP. The plan must define the SERVICE PROVIDER's approach on managing the scope, budget, cost, and schedule and quality aspect of their work. The plan must also address communication plan/protocols, stakeholder outreach plan, risk management plan, change management plan and other activities required for effectively managing this project.

Following are the questions received from potential proposers, as well as the responses provided by the Nevada Department of Transportation:

QUESTION 1:

Is it absolutely necessary to use the proposed modeling software for the Traffic Modeling and Operational Analysis? It seems that CORSIM and HCS methods are very primitive software modeling tools with very limited capabilities. Converting Travel Demand Model outputs directly into a micro-simulation environment is inherently flawed. A more robust approach for operational analysis is to use a multi-resolution modeling approach where the travel demand model is converted to a regional simulation-based mesoscopic model capable of running dynamic traffic assignment – so the analyst can get a complete picture of traffic diversion at any point in time. Remember that TransCAD (travel demand models) do not have a time component in them. Mesoscopic model can be used for regional analysis at the system level. Then sub-areas of the mesoscopic model can be converted to micro-simulation for detailed analysis at the corridor level. So the question is: can the proposed software be substituted for alternative approaches using different platforms and resolutions?

ANSWER 1:

No. Please use the software described in the RFP. NDOT's Traffic Forecasting Guidelines does not allow for the direct conversion of Travel Demand Model output directly into the micro-simulation program.

QUESTION 2:

Page 9 of RFP 133-15-010 I-80/I-580/US-395 Traffic Study indicates that "A section of the proposal must be devoted to each Evaluation Criteria Item". Then it lists "4. DBE Goal: 2%" as one of the Evaluation Criteria Items. Could you please confirm that 4. DBE Goal: 2% is a section unto itself and is included in the page count. If so what should be contained in the Section? Page 9 does not include any narrative for this 4th Evaluation Criteria Item.

Also, please note that on page 10 paragraph 3 it indicates that "DBE Certifications, and DBE Letters must only be included as an Appendix" so they cannot go in the 4th Evaluation Criteria Item section.

ANSWER 2:

Include all DBE information related to Evaluation Criteria Item "4. DBE Goal" in an Appendix as indicated on page 3, paragraph 4 of the RFP. DBE Goal related items will not count against the page count limitation, and a Section Divider is not required for "4. DBE Goal." Thank you for questioning the verbiage error in the RFP language. We apologize for the confusion.

QUESTION 3:

Page 5 of the RFP states the following: Proposers should provide a minimum of three (3) references from similar projects performed for the state and/or large local government clients within the last five (5) years. Proposers are required to submit a Reference Questionnaire to the business references listed within the proposal. Question: Are NDOT personnel allowed to be a reference?

ANSWER 3:

Yes

QUESTION 4:

In section 1.3 of attachment A to the subject RFP two separate lists of completed CORSIM Models are included as “deliverables”. The first list includes 1 base model, 4 no-build models, and 4 build models. The second list includes 12 no-build models and 12 build models for up to 3 concepts.

My questions with respect to CORSIM Models are as follows:

- 1- Only 1 base model is indicated as a deliverable, but shouldn't there be 2 (one for AM and one for PM)?
- 2- What concepts are the 4 “build models” in the first list supposed to consider as having been “built”?
- 3- Why are 12 no-build models required in the second list if 4 will have already been created as part of the first list. Won't all of these simply replicate the first 4?

ANSWER 4:

Please see revisions in this Addendum 1.

RUDY MALFABON, P.E., DIRECTOR
Nevada Department of Transportation