

Consultant contract: Assistance with development and application of the TPB travel demand model

Presentation to the TPB Travel Forecasting Subcommittee
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Background

- Objective: To obtain consultant assistance with the development and application of the TPB travel demand model
- A one-year, task-order contract for up to \$150k
 - Contract is renewable for up to two years, before it needs to be rebid
- Begun in FY 2006: Now beginning its 7th year
 - FY 2006-2008: Vanasse Hangen Brustlin, Inc. (VHB)
 - FY 2009-2011: Cambridge Systematics, Inc. (CS)

Background

- Since past work has included scans of modeling practice at other MPOs, the contract is sometimes referred to as the “Scan of best modeling practice in the U.S.” contract
- We were scheduled to make a presentation at the last TFS meeting (7/22/11), but the consultant selection process took longer than expected, so we had to defer the presentation to today’s TFS meeting

Past consultant reports

- Vanasse Hangen Brustlin, Inc. (VHB):
 - *Results of FY 2006 Travel Forecasting Research* (September 22, 2006).
 - *Results of FY 2007 Travel Forecasting Research* (November 16, 2007).
 - *Expanded Evaluation of Peak Spreading* (June 30, 2008).
 - *Estimating the Impact of Exurban Commuters on Travel Demand* (June 30, 2008).
- Cambridge Systematics, Inc. (CS):
 - *Fiscal Year 2009 Task Reports, Final Report* (November 20, 2009).
 - *Fiscal Year 2010 Task Reports, Final Report* (November 16, 2010).
 - *Fiscal Year 2011 Task Reports, Final Report* (June 30, 2011).
- Reports can be found on the TFS webpage

Selection process

- RFQ 11-009 “Assistance with development and application of the TPB travel demand model” issued June 9, 2011
 - Travel Model Improvement Program e-mail distribution list, or “TMIP-L” (ca. 1,200 subscribers from the travel modeling profession)
 - “Bidders Compendium”
- Pre-proposal briefing held at COG on June 22

Selection process

- Five-person selection committee was formed in mid June. One person representing each entity:
 - DC, Maryland, Virginia, WMATA, and COG
- Five bids were received by the June 29 deadline:
 - AECOM
 - Cambridge Systematics, Inc. (CS)
 - Daniel Consultants, Inc. (DCI)
 - The Louis Berger Group, Inc.
 - Symmetra Design

Selection process

- Over a two-week period, the selection committee read the five bids
- On July 11, the selection committee met:
 - Discussed the pros/cons of each bid,
 - Scored each bid, and
 - Selected the consultant that would fulfill this contract for FY 2012
- Selected consultant: AECOM
- On July 28, letters were sent to the five bidders informing them of the decision of the selection committee
- Contract between AECOM and COG was signed on August 18

FY 2012 work for AECOM: Authorized task orders

- Task Order 1: Attend relevant meetings and provide written advice on a) travel demand modeling topics that come up at meetings and b) ad-hoc requests from TPB staff on issues related to applying or developing the TPB travel model
 - Budget: \$40k
 - COG authorized work with Aug. 30 memo

FY 2012 work for AECOM:

Three task orders under consideration

- Task Orders 2 & 3: Improving mode choice modeling in the TPB Version 2.3 Travel Model
 - #2: Consultant recommendations
 - #3: Assistance implementing improvements
- Task Order 4: Reducing the time needed to run the TPB Version 2.3 Travel Model
- Proposed budget for Tasks 2-4: \$60,000

Concluding remarks

- TPB staff met with AECOM on 9/21/11 to discuss Task Orders 2-4
- Budget for Task Order 1 has already been set at \$40k.
- If Task Orders 2-4 go forward as proposed, the budget for them will be \$60k.
- Thus, the total budget for all four task orders would be \$100k, which is about 67% of the total \$150k budget for FY 2012.

Acknowledgments

- We wish to thank the staff of VHB and Cambridge Systematics for the excellent work they have done for TPB staff
 - Their reports and suggestions have proved very useful to the TPB models development program
 - TPB staff continues to evaluate these reports for ideas on future work program elements
- Thomas Savoie, COG's Contracts and Purchasing Manager, for his help with the RFQ and the consultant selection process