

ENGINEERING AND RELATED SERVICES
October 10, 2007

STATE PROJECT NO. 736-55-0044
F.A.P. NO. SPR-0010(031)
HOUMA/THIBODAUX TRANSPORTATION PLAN UPDATE
TERREBONNE PARISH

ADDENDUM NO. 1

SCOPE OF SERVICES

The services to be rendered for this Project shall consist of the following Stage:

Stage 1: Planning

The services of the Consultant/Team are outlined in this exhibit by task in a general chronological order; however, many of the tasks are interrelated and will be conducted concurrently.

The study process will involve a Study Team consisting of the selected Consultant, representatives of the DOTD, and the Houma/Thibodaux Metropolitan Planning Organization (MPO). The general items of work for the study will consist of the following:

Task 1.0 - Establish Project Steering Committee

Task 2.0 - Public Meetings

Task 3.0 - Update Houma/Thibodaux Transportation Forecasting Model-TransCAD

Task 3.1- Review Current Transportation Forecasting Methods & Models

Task 3.2- Establish Study Area & Traffic Analysis Zone Boundaries

Task 3.3- Develop Base Year Socio-Demographic Data

Task 3.4 - Develop Base Year Network

Task 3.5 – Conduct External Cordon Study

Task 3.6 – Develop Model Components

Task 3.7- Prepare Technical Memo No. 1

Task 4.0 - Validate and Calibrate Transportation Model

Task 4.1 - Validate Trip Productions & Attractions

Task 4.2 – Validate Trip Length Frequency Distributions

Task 4.3 – Validate Assignment Output

Task 4.4 – Validate Peak Hour Assignment

Task 4.5 – Prepare Technical Memo No. 2

Task 5.0 - Travel Forecasts and Deficiency Identification

Task 5.1 – Forecast Future Socio-Demographic Data

Task 5.2- Develop Existing Plus Committed (E+C) Network
Task 5.3- Assign Year 2034 Traffic to E+C Network
Task 5.4- Assign Year 2024 Traffic to E+C Network
Task 5.5- Assign Year 2014 Traffic to E+C Network
Task 5.6 - Prepare Technical Memorandum No.3

Task 6.0 - Develop Long-Range Transportation Plan

Task 6.1- Develop Alternative Networks
Task 6.2- Test Network Nos.1, 2, & 3
Task 6.3- Evaluate Alternative Networks
Task 6.4- Prepare Technical Memorandum No. 4

Task 7.0 - Develop Staged Improvement Plan

Task 7.1 – Develop Implementation Costs
Task 7.2 – Conduct Financial Assessment
Task 7.3 – Prepare Financially Constrained Plan
Task 7.4 – Identify Unmet Needs
Task 7.5 – Prepare Technical Memo No. 5
Task 7.6 – Preliminary Review & Approval of Network

Task 8.0 - Determine Feasibility of Bicycle and Pedestrian Facilities

Task 9.0 - Study Report Preparation and Printing

Task 8.1 – Review & Approval of Draft Report
Task 8.2 – Review & Approval of Final Report

Task 10.0 - Future Updating

Task 9.1 – Travel Demand Model Custom Application

Task 11.0 - Project Administration and Coordination

Task 12.0 - Documentation

(Note: A more detailed description of the Tasks will be provided during the pre-design meeting, after the Consultant has been selected.)

ITEMS TO BE PROVIDED BY DOTD AND HOUMA/THIBODAUX

1. Pertinent maps and aerial photography of the Study Area (SA) that may be available.
2. All available previous studies, reports, and other information relevant to the study area.
3. Any available traffic counts in the SA.
4. Information and plans for planned or programmed roadway improvements in the SA.

5. Identification of short-range improvement programs, including project limits, planned improvements, and estimated construction costs.
6. All existing zone maps, networks, and model documentation from previous long-range planning efforts.
7. The Base Year networks, with attributes, in the form of reproducible maps and link data records on floppy disks.
8. Support for roadside surveys at cordon locations.
9. Base Year estimates of population, employment, and other required planning variables developed by traffic zone for selected transportation forecast models, on floppy disks.
10. Forecast of planning variables, by traffic zone, for the years 2014, 2024, and 2034 planning increments on floppy disks.