

Support for Rapid Policy Assessment Tool (RPAT) Application

REQUEST FOR QUALIFICATIONS (RFQ)

Project Overview and Description

The City of Durham, on behalf of the Durham-Chapel Hill Carrboro Metropolitan Planning Organization (DCHC MPO) is soliciting project qualifications from professional **FIRMS** interested in being considered to support the Rapid Policy Assessment Tool (RPAT) application for the Triangle Region, North Carolina.

RPAT is a strategic planning and policy assessment tool that evaluates the effects of smart growth policies on travel demand. Essentially, the tool evaluates regional scenarios based on changes in the built environment, travel demand, transportation supply and transportation policies being considered. A RPAT model was already developed and validated for the region. The RPAT application support may include, but not limited to, performing the RPAT runs, evaluating a series of performance metrics resulting from development scenarios: travel impacts, environmental and energy impacts, community impacts, financial and economic impacts, location impacts, connected vehicle technology impact for the near future and automated vehicle impacts for the long-range plan.

Qualifications

Interested firms should meet the following qualifications and possess the expertise enumerated below:

- a. The firm(s) must have experience with RPAT application and at a regional scale. The experience with Regional Strategic Planning Model (RSPM) application is preferred.
- b. The firm(s) must have demonstrated expertise in smart growth, scenario planning, ITS policies, pricing, travel demand models, particularly the Triangle Regional Model, as well as theoretical background in land use-transportation interactions/linkage.
- c. The firm(s) must have experience and familiarities with using RPAT model/tool, including making adjustments and applying it to support the strategic plan.
- d. Firm(s) must have experience in working in open source platform/environment, especially R software.
- e. Firms must have knowledge/experience in and familiarity with the Triangle Regional Model.

How to Apply

Responses to the request shall be in written form. Proposal evaluation will focus initially on the written proposals received by the City of Durham, Transportation Department by 4:00 p.m. on January 16, 2017. Proposals should provide level of efforts and address specific project issues of any kind. Proposals will be reviewed using the following evaluation criteria (weights in parentheses):

- 1) Extensive experience, knowledge and familiarity in the application of Rapid Policy Assessment Tool (RPAT) at a regional scale (30%).
- 2) Firm's interest and understanding of proposed project (20%)
- 3) Identification of personnel who would actually work on the proposed MPO RPAT application, indicating educational background, experience, availability (including current workload) and ability of staff members in the firm assigned to this project to complete the project on the required schedule. (30%).
- 4) Proposed innovative strategies and schedule/timeline for accomplishing the project (20%).

Affirmative responses should provide a recommended approach and schedule for accomplishing the scope of work and should be accompanied by the following documentation:

- 1) The firm's recent and past experience with similar kinds of projects including relevant project costs and reference contact with address and telephone number experience directly related to the scope of work.
- 2) Identification of personnel who would actually work on the implementation of the RPAT planning tool for the Triangle Region.
- 3) Current workload and availability of such personnel in all required fields of expertise.

Fax, oral, or email qualifications/proposals are not acceptable. Interested firms should see that their qualifications/proposals are received by mail at the following address by **January 16, 2017 at 4:00 pm.**

City of Durham
Attention: **Felix Nwoko & Yanping Zhang**
Transportation Department
Project Name: **Support for Rapid Policy Assessment Tool (RPAT) Application**
(Bid #17-0018)
101 City Hall Plaza, Fourth Floor (Suite 4200)
Durham, NC 27701-3329

The detail about this RFQ can be found at the Website of City of Durham via,

<http://www.dchcmo.org/publications/bids.asp#tabs1>