### NOACA Job Description

**Position:**
Senior Planner or Engineer

**Division:**
Planning

**Title:**
Senior Transportation Planner or Engineer

**Salary Range:**
Minimum $54,758 – commensurate with experience

### Job Description:

The Northeast Ohio Areawide Coordinating Agency (NOACA) is seeking a Senior Planner or Engineer with extensive experience in travel demand modeling. NOACA and its partner agencies in Ohio are in the process of developing an activity based travel demand model, and NOACA continues to upgrade its modeling capabilities including a dynamic traffic assignment process. This position will be an integral part of NOACA’s development, implementation, and application of the Ohio 3C CT-RAMP Activity Based Model and dynamic traffic assignment process. The primary responsibilities of this position include all aspects of travel demand modeling efforts from data preparation to post-processing of model outputs and interpretation.

This position involves advanced application of planning, management, and coordination skills, under little supervision in an office environment. The position also requires the ability to write and effectively present technical information to diverse groups, ranging from professional conferences to a lay audience. This position will be located within the Planning Division as part of the Transportation Modeling group.

### Duties and Responsibilities:

The duties and requirements listed below are representative of the knowledge, skills, and/or abilities required to successfully perform this job. To be considered for this position, an individual must be able to perform each duty in a satisfactory manner. Reasonable accommodations may be made to enable individuals with disabilities to perform these functions.

#### Specific:

- Develop, manage, and refine model input data, including preparation of networks and simulation model inputs.
- Execute model runs, evaluate model results, and conduct model validation.
- Develop, apply, and troubleshoot customized transportation planning and modeling applications.
- Lead the agency’s effort towards implementation of a dynamic traffic assignment process.
- Assist in transportation studies, including application of travel demand models for sub-area and corridor level modeling.
- Prepare documentation of travel demand modeling methods and applications.
- Prepare technical reports, informational products, conference papers, and/or grant proposals when needed.
- Write highly technical RFPs, execute technical procurement processes, and manage the project when needed.
- Manage, review, and evaluate work methods and procedures, and suggest improved processes.
- Assist with developing technical aspects of the Long Range Transportation Plan and Transportation Improvement Program.
- Provide data and technical support for internal staff, local constituents and stakeholder organizations.
- Work cooperatively with the United States Department of Transportation, the Ohio Department of Transportation, local agencies, and local governments regarding transportation modeling, data, and planning issues, as appropriate.

#### General:

- Manage one or more Overall Work Program (OWP) projects, as assigned.
- Manage projects, as assigned.
- Prepare and reviews reports/documents/records.
- Prepare and reviews project goals and objectives.
- Present transportation modeling and application-related information to NOACA Board, Committees and/or outside, organizations as required.
- Work directly with Directors, group managers, staff, external business partners, consultants, and/or contractors.
- Mentor Planners I, II, and III, as assigned.
- Monitor and participate in the training of staff.
- Attend work-related meetings inside and outside of the agency offices, as directed.
- Engage in minimal travel within the state and the continental U.S., as directed.
- Work under supervision alone or in groups on assigned tasks.
- Work on special projects as required.
- Perform other duties deemed appropriate.
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<th><strong>Credentials and Experience:</strong></th>
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<td>• Bachelors Degree in urban or transportation planning, engineering, geography, mathematics, computer science, statistics, or a related field;</td>
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<td>• A minimum of six years of experience with at least two years of experience working directly with a practical travel demand model. Masters Degree may be substituted for two years of experience.</td>
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<td><strong>Must be legally able to work in the United States</strong></td>
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*Minimum Requirements

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<th><strong>Knowledge, Skills and Abilities:</strong></th>
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<td>• Extensive experience with Cube/Voyager or other travel forecasting software (such as TransCAD, VISUM, EMME, etc.);</td>
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<td>• Proficiency in the use of at least one computer/database programming language (such as JAVA, C++, Python, VB, SQL, etc.);</td>
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<td>• Experience in the use and interpretation of micro-simulation models (such as DynasT, VISSIM, CORSIM, Synchro, etc.), considered a plus;</td>
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<td>• Experience with ESRI GIS software;</td>
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<td>• Knowledge of advanced practice models, such as activity based models and dynamic traffic assignment;</td>
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<td>• Strong quantitative and interpretive abilities;</td>
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<td>• Strong written and verbal communication skills;</td>
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<td>• Ability to function independently in developing and maintaining a transportation model.</td>
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| • Effective team player.