

MODELING POLICY

TO: Laurie Santana, Chief of Transportation Planning
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FROM: Soliman P. Salem, Transportation Planner

SUBJECT: **Minimum Requirements of Applicants/Consultants for
Transportation Modeling Review.**

Purpose:

To establish a policy that ensures minimum data requirements will be provided to departmental transportation section staff to allow adequate and accurate review of potential traffic impacts of proposed development.

Overview:

The generally accepted methodology for traffic impact analysis within the State of Florida utilizes Citilabs Cube/Voyager software to process the Northeast Florida Regional Planning Model –Activity Based (NERPMAB1v2). The model was developed by the Florida Department of Transportation (FDOT) and the North Florida Transportation Planning Organization (NFTPO). Additionally, corridor and intersection analyses can be conducted with Synchro Suite 9 from Trafficware. While sufficient for most applications, the Planning and Development Department and the Transportation Planning Section recognize certain limitations within NERPMAB1v2 and Synchro 9. Therefore, while the department does not necessarily oppose modifications to the network or socioeconomic data within these models, to ensure accuracy and transparency, the transportation section needs certain elements of the modifications to be provided by applicants/consultants for thorough review.

Policy:

It shall be the policy of the Planning and Development Department and the Transportation Planning Section to require the following documentation from all applicants providing a traffic impact analysis utilizing NERPMAB1v2:

- 1.) The input network files (MicroCodedHnet42.net & MicroCodedHnet42.vpr) including a list of any network modifications of the base network as provided by the NFTPO (such as changes to speed, lanes, et cetera on surrounding links).
- 2.) The model year input socioeconomic data (buffered_parcel.dat, household.dat, person.dat, emp.dbf) as well as a list of any modifications of the base data as provided by the NFTPO.
- 3.) Any modified parameter files or input files such as turn penalties, transit, et cetera (TCARDS_[YEAR]A.PEN, TROUTE_[YEAR]A.LIN, et cetera) as well as a list of any modifications to the base parameters as provided by the NFTPO.
- 4.) The resulting output network (Loaded[AM,PM,MD,NT,Combined].net, Loaded[AM,PM,MD,NT,Combined].VPR).
- 5.) All aforementioned data requirements are to be provided at least 10 business days before the review deadline.

It shall be the policy of the Planning and Development Department and the Transportation Planning Section to require the following documentation from all applicants providing a traffic impact analysis utilizing Synchro 9:

- 1.) The Synchro 9 *.syn file.
- 2.) Signal data utilized for intersection design within the Synchro model.
- 3.) Traffic counts used for link volumes within the Synchro model.

Responsibility:

Each applicant/consultant will assume responsibility for providing said data to the transportation planning staff by way of electronic distribution or physical media (Blu-ray or flash drive). Failure of applicant/consultant to provide said data will result in the indefinite delay of the review of the application.

Effective Date: September 1st, 2016