

## 10.2 *In-House Modeling Protocol*

10.2.1 Once this modeling protocol is selected, DoT will confirm requirements and determine a suitable study area which will be mutually agreed on, working closely with the TIS Liaison Engineer/Reviewer. DoT will provide base scenario model input files (networks, socio-economic and land-use data) as the starting point for the transport consultant to refine input files for the development.

10.2.2 The consultant will be responsible for modifying the model input files and providing revised files and supporting documentation as detailed in the In-House Modeling Request Checklist provided by the DoT. The DoT Network Coding Guide should be STRICTLY followed.

10.2.3 The Statement of Liability section of the In-House Modeling Request Checklist must be signed by a professional with a minimum of 6 years of experience with modeling work.

10.2.4 Once the transport consultant provides DoT will all the required files containing model modifications for the study area, DoT will review the files and integrate with the larger strategic transport model covering the emirate of Abu Dhabi. The requested model scenarios will then be executed and model outputs produced, verified and transmitted to the transport consultant for further use in the overall TIS study.

## 10.3 *Other Protocol*

10.3.1 The DoT Modeling Reviewer may determine that none of the above protocols are applicable. In this case DoT will confirm requirements and determine a suitable modeling process working closely with the TIS Liaison Engineer/Reviewer.

10.3.2 This may be as simple as providing a screenshot of the existing modeled network or a more complicated methodology proposed due to factors related to the specific Modeling Application.