



TRANSPORTATION IMPACT ANALYSIS CAROLINA NORTH DEVELOPMENT

March 4, 2009

Kumar Neppalli

Engineering Services Manager

E-mail: kneppalli@townofchapelhill.org

Phone: (919) 969-5093



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

- TIA Process
- TIA Time Line
- TIA Scope



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

- **TIA Process:**

- Town Consultant Prepares the TIA
- University pays the cost of the TIA to the Town

- **TIA Time Line**

- RFQ Issued: January 22, 2009
- RFQs Due: February 27, 2009; 9 Proposals received
- Consultant Selection: March 16, 2009
- Tentative TIA Report Submission: May 1, 2009



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

TIA Scope:

- Trip Generation and LRTP and Mode Split
- Trip Distribution
- Study Boundary
- Analysis Methodology:
 - Existing Conditions
 - No-Build Conditions with Background Developments
 - Build Conditions with Background Developments



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

TIA Scope:

- Analysis Methodology:
 - Analysis with and without new roadway options
 - Assessment of impact of parking policy on mode split and trip generation
 - Various levels of mode split measures
 - Corridor transportation analyses
 - Assessment of impact on current transit service
 - Bicycle and pedestrian analyses
 - Traffic signal warrant band accident analyses
 - Assessment of impact of anticipated parking policy/restrictions on trip generation and mode split
 - Impact on adjacent neighborhoods
 - Assessment of mode split on the level of service



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

TIA Scope:

- **Mitigation Measures:**
 - New streets
 - New traffic control measures
 - Roadway widening
 - Bicycle and pedestrian measures
 - Traffic calming measures in adjacent neighborhoods
 - Expanded public transit consistent with the recommendation of the LRTP and regional transportation plans



TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

Questions?

Kumar Neppalli

Engineering Services Manager

E-mail: kneppalli@townofchapelhill.org

Phone: (919) 969-5093