



TRANSPORTATION IMPACT ANALYSIS CAROLINA NORTH DEVELOPMENT

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TRANSPORTATION IMPACT ANALYSIS (TIA) CAROLINA NORTH DEVELOPMENT

- **TIA Process**
- **TIA Time Line**
- **TIA Scope**
- **Possible Transportation Elements in
the Development Plan Agreement**



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- **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; 10 Proposals received
- Consultant Selected: Vanasse Hangen Brustlin, Inc.
- TIA Work started March 23, 2009
- Draft TIA Report Submission: May 1, 2009
- Final TIA Report Submission: May 15, 2009
- Cost of the TIA: Approximately \$300,000



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TIA DEVELOPMENT PLAN

<u>Land Use</u>	<u>Short-Term</u>	<u>Longer Term Buildout Increment</u>	<u>Total TIA Development</u>
Academic	410,000	870,000	1,280,000
Private*	180,000	520,000	700,000
Civic/Retail	10,000	60,000	70,000
Housing**	200,000	550,000	750,000
Health Care	0	200,000	200,000
Total	800,000	2,200,000	3,000,000

* Includes Innovation Center approved at 85,000 sf

** 1,000 gsf/unit results in 200 units for Short-Term and 750 total housing units



TIA DEVELOPMENT PLAN

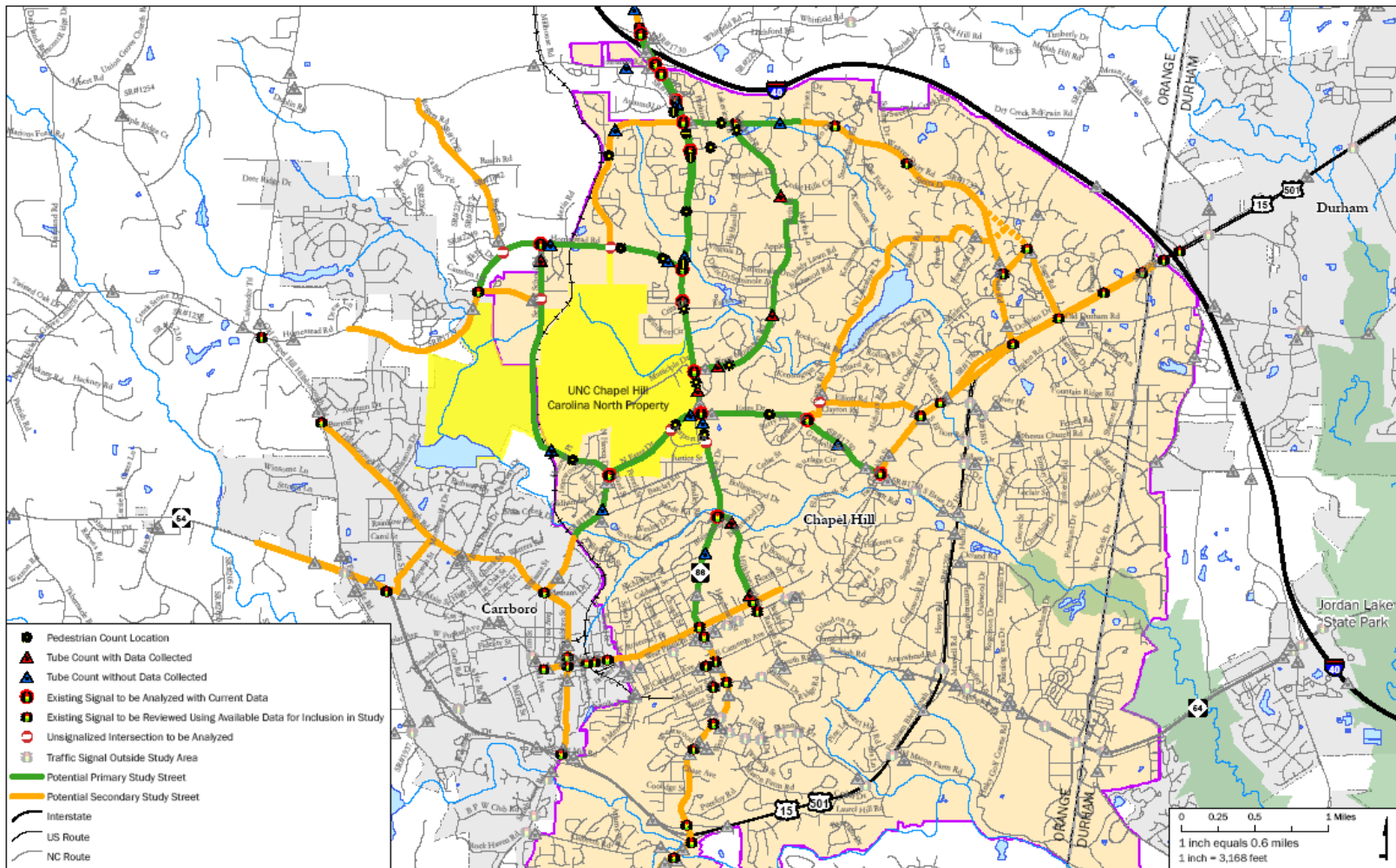
(3 million square foot development program)



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Preliminary Study Boundary

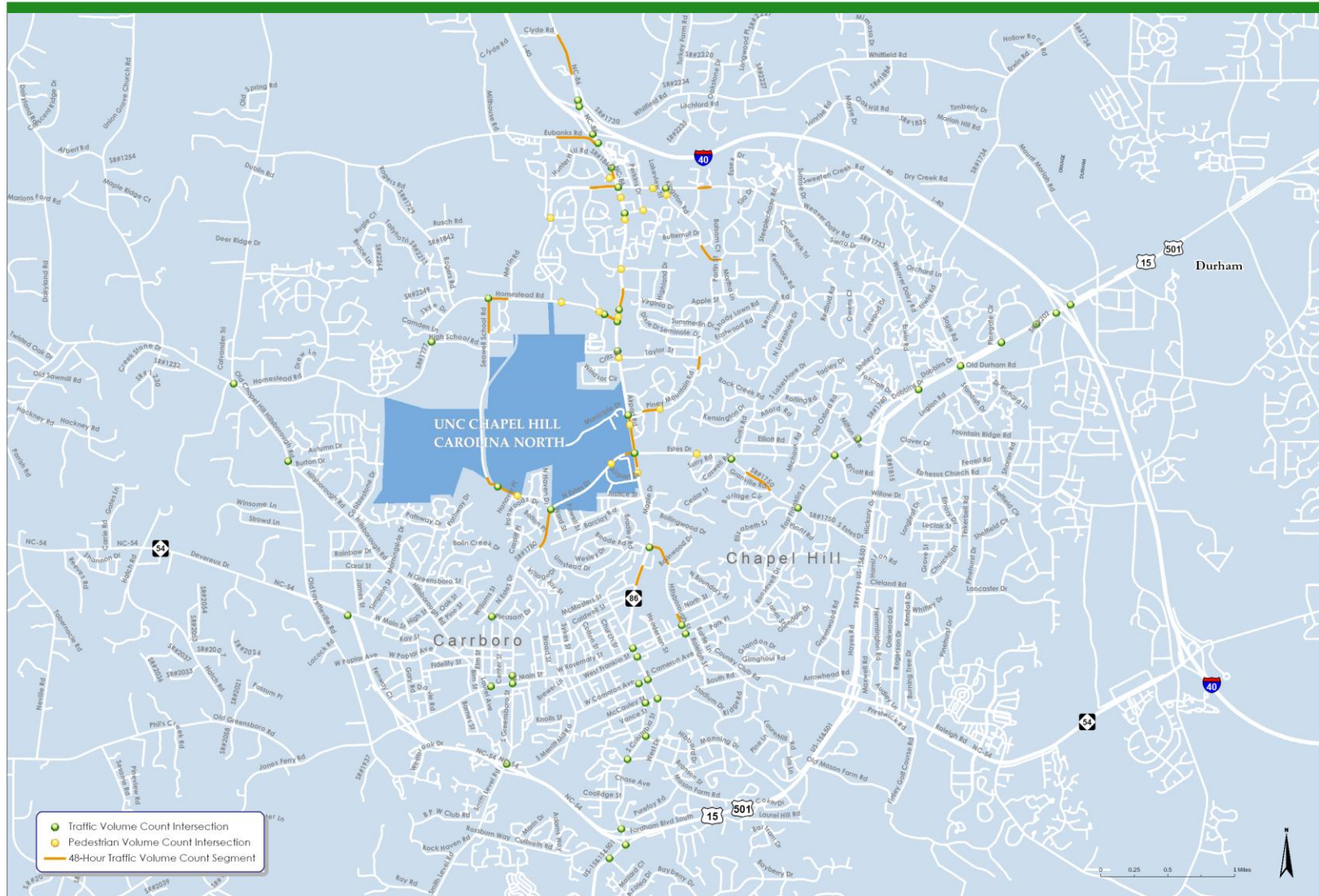
- 52 intersections for peak hour turning movement counts
- 21 locations for average daily traffic volumes
- Eighteen (18) locations for pedestrian and bicycle counts



Study Locations for Traffic Impact Analysis

UNC - Chapel Hill Carolina North
9 May 2009

Study Area Locations





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TIA Scope:

- Preliminary Study Boundary
- Trip Generation and LRTP and Mode Split
- Trip Distribution
- Final Study Boundary
- Analysis of Existing/No-Build/Build (2015 and 2025)
- Analysis of Transit Level of Service (2015 and 2025)
- Assess Impact on Adjacent Neighborhoods
- Traffic Calming Measures
- Assess Pedestrian and Bicycle Facilities Analysis
- Assess Air Quality/Carbon Emissions
- Mitigation Measures



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Possible Transportation Elements in the Development Plan Agreement:

- TIA Updates based on a set time period and certain amount of completion of construction
 - Fall 2009 Update
- Transportation Management Plan based on a set time period and certain amount of completion of construction
 - Fall 2009 Update
- Transit Plan Update
- Construction Management Plan
- Mitigation Measures



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Questions?

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