

MEMORANDUM

TO: Transportation Board

FROM: David Bonk, Principal Transportation Planner

SUBJECT: Follow up to Discussion: Chapel Watch Village Concept Plan

DATE: August 16, 2005

At the Board's August 9, 2005 discussion of the Chapel Watch Village Concept Plan the issues of revised trip generation rates, transit coverage and traffic from Larkspur traveling through Chapel Watch Village were discussed.

We have prepared an estimate of trip generation from the Chapel Watch Village project under the following assumptions:

- 25% of the Chapel Watch Village residents would be UNC students
 - 50% of these trips would be made on transit or other non auto modes
- 25% of the Chapel Watch Village residents would be UNC staff
 - 15% of these trips would be made on transit or other non auto modes

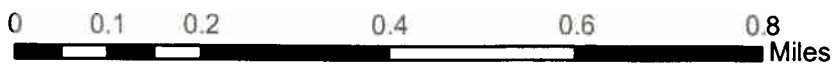
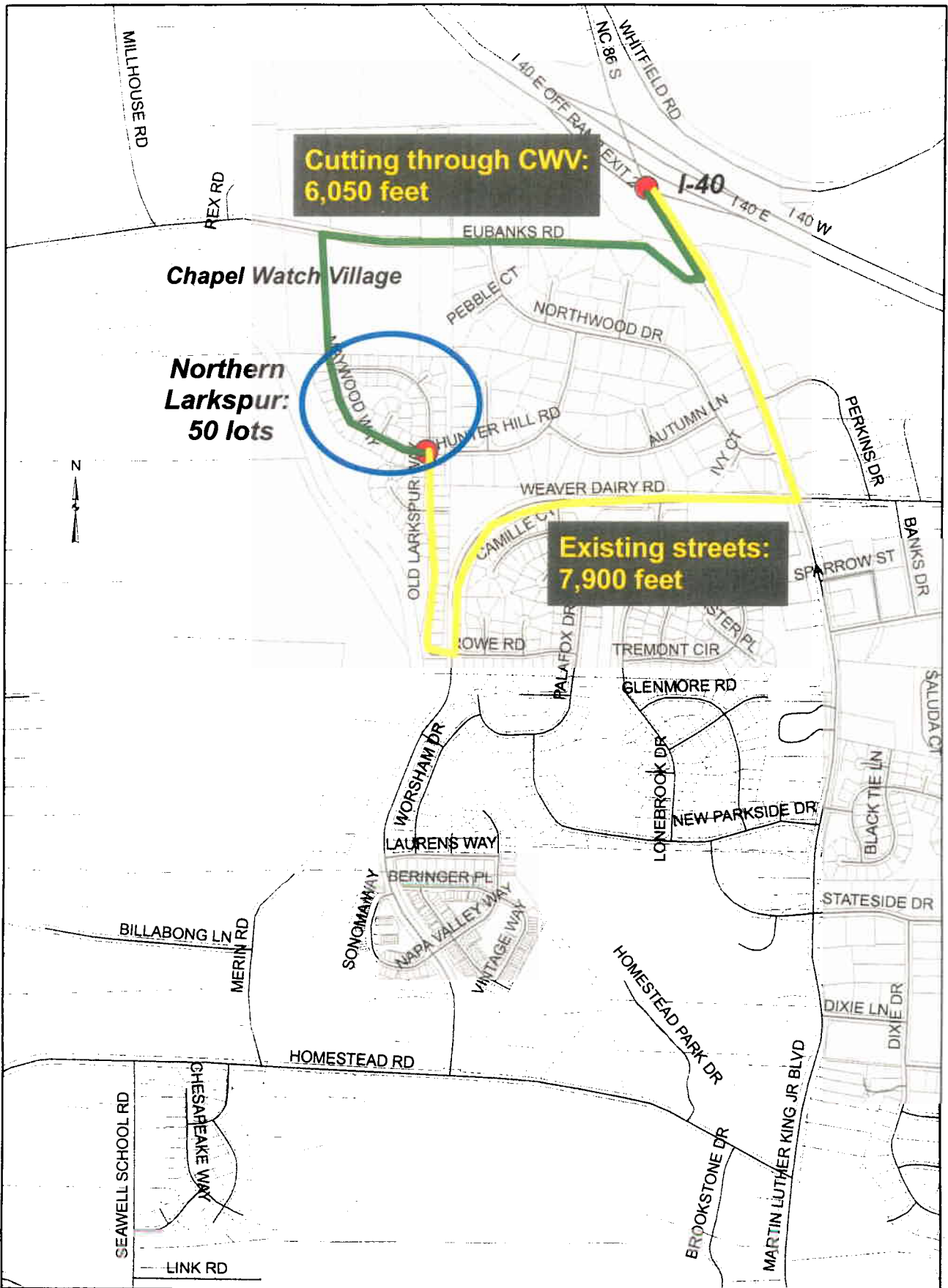
Under these assumptions a total of 43 trips would be generated from Chapel Watch Village in the AM peak and 51 in the PM peak. Using the 10% assumption for trips into Larkspur a total of 5 auto's would travel south into Larkspur during the PM peak.

Transit coverage for the residents of both Larkspur and Chapel Watch Village, assuming current transit service and the option of providing a route through Larkspur, is compared on the attached map.

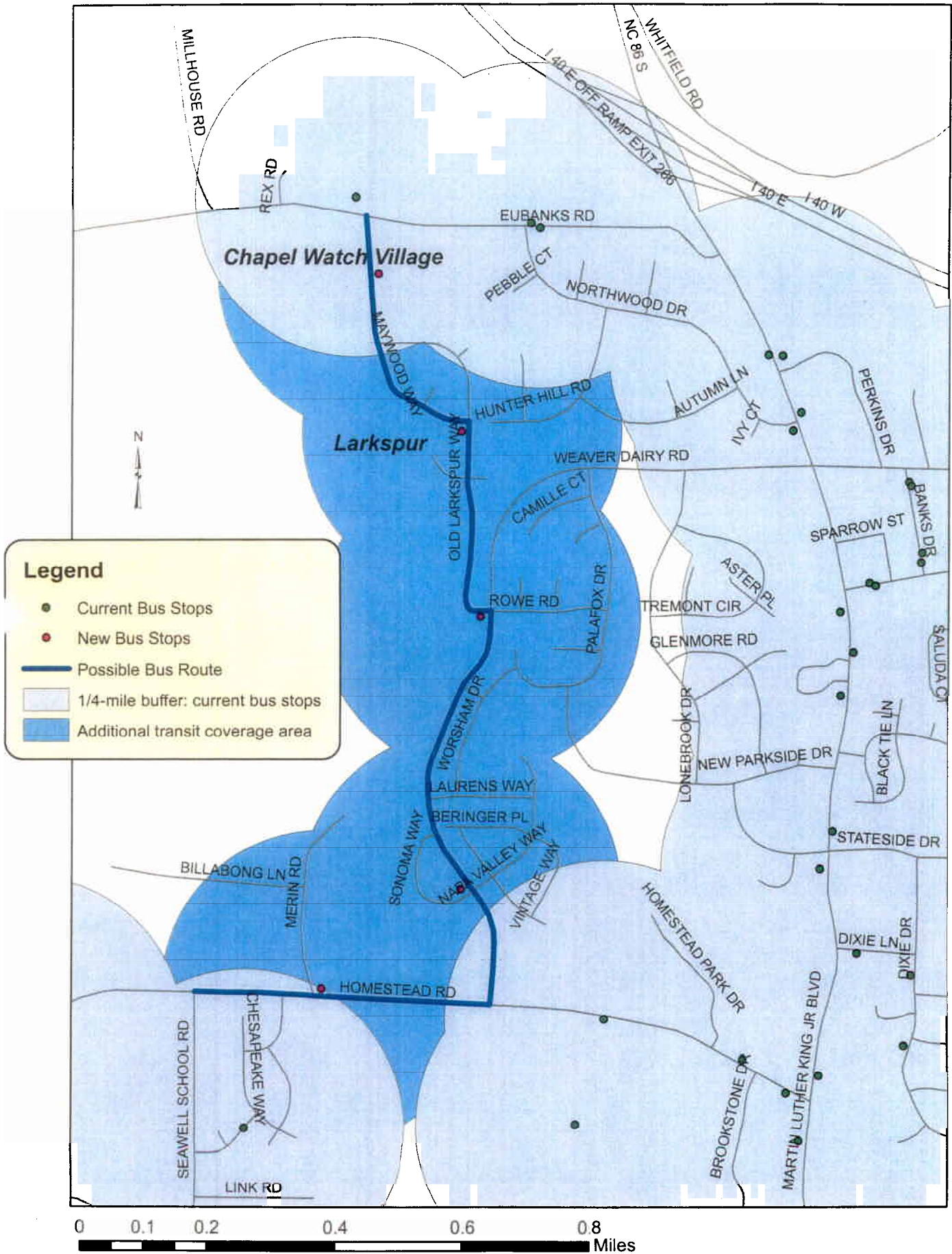
Alternatively, we believe that the proximity of residences in the northern section of Larkspur to Eubanks Road would result in some traffic traveling from Larkspur, through Chapel Watch Village, to access I-40 via Eubanks Road. We have measured the distance for the approximately 50 lots in the northern section of Larkspur to the intersection of I-40 and NC86. The distance for these residences to the I-40 intersection would be approximately 6,000 feet compared to 7,900 feet for these same trips traveling south to Weaver Dairy Road and then to I-40. The attached map illustrated to two routes measured.

Travel Distances from Northern Larkspur to I-40

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Additional Transit Service Area: Connected Streets



Residences of Operations Center Employees

