

# Dry Creek Trail Town of Chapel Hill

Erwin Road Crossing  
May 7, 2007

See attached sketch for the recommended crossing layout of Dry Creek Trail and Erwin Road .

## Roadway Widening

Erwin Road is recommended to be widened so that a refuge island at the trail crossing and, if desired, a left turn lane into the trail parking lot can be constructed. The roadway shall be widened according to “Recommended Treatment for Turn Lanes”, Figure 4A, Chapter 9-1 of the *North Carolina Department of Transportation’s Roadway Design Manual*. The attached sketch assumes symmetrical widening. It is recommended that the roadway be widened from two to three 12’ lanes. This would provide a 12’ wide refuge island and allow for construction of the left turn lane.

## Refuge Island

The refuge island shall be constructed of a 5’ monolithic concrete island according to the North Carolina Department of Transportation, Standard Drawing 852.01.

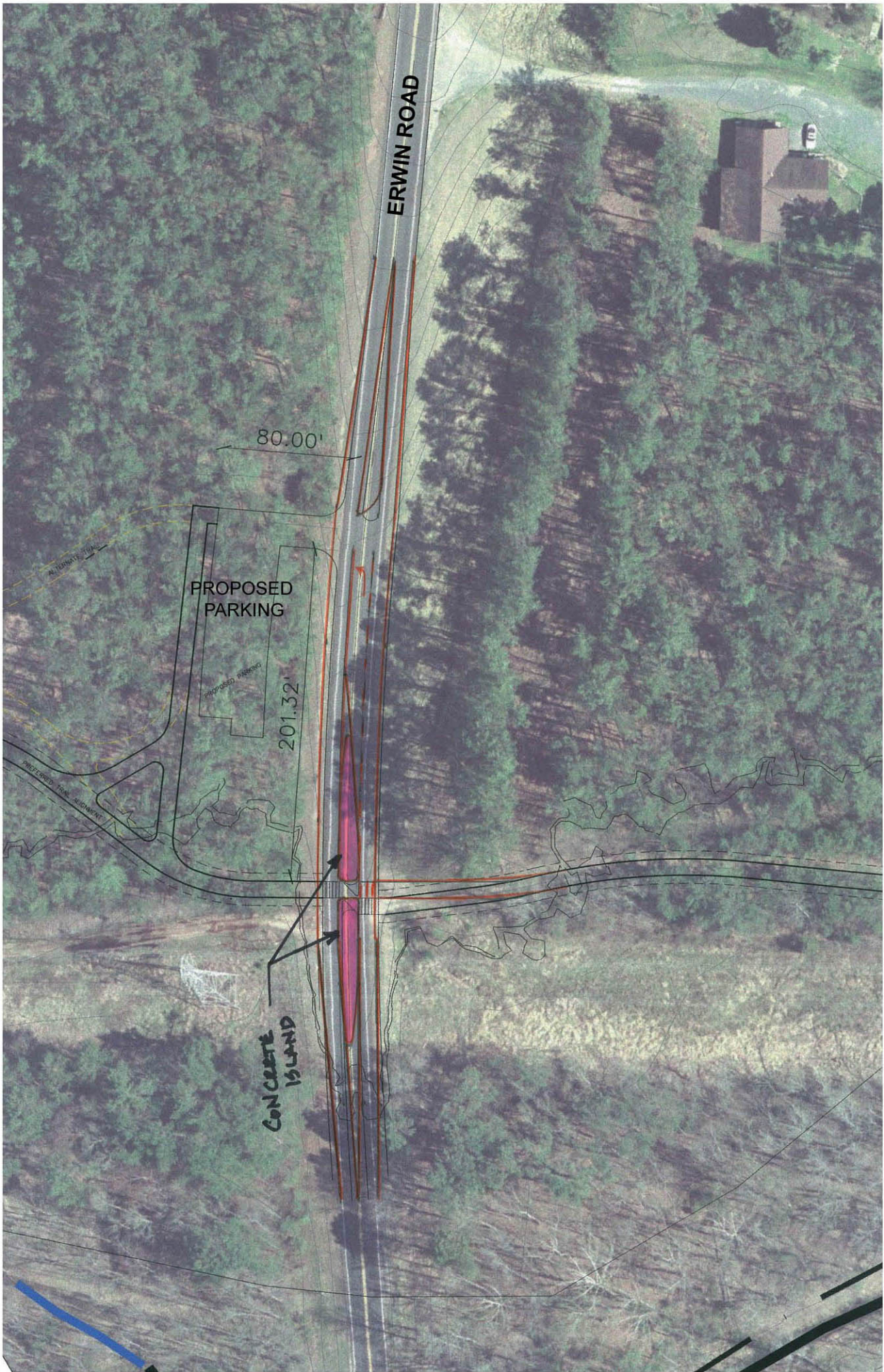
## Signing and Pavement Marking

The signing and pavement markings for the Erwin Road/Dry Creek Trail crossing shall be according to the latest edition of the *Manual on Uniform Traffic Control Devices* and *North Carolina Bicycle Facilities Planning and Design Guidelines*.

## Additional Measures

1. Provide advance warning signs with warning flashers on Erwin Road that can be manually or automatic sensor activated.
2. Consider the use of in-roadway lighting at the trail crossing.
3. Request that NCDOT move the posted speed limit transition from 45 mph to 35 mph that is occurring just south of the bridge over I-40 be moved so that it occurs entirely north of I-40.





ERWIN ROAD

80.00'

PROPOSED  
PARKING

201.32'

CONCRETE  
ISLAND

ALTERNATE ROAD

PREFERRED TRAIL ALIGNMENT