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2.0 Existing Conditions

2.1 Inventory

A field investigation was conducted by DAVENPORT staff to determine the existing roadway conditions in the study area. Table 2.1 presents a summary of this investigation. Figure 3 presents the existing lane geometry.

Table 2.1 - Street Inventory					
Facility Name	**Route #**	**Cross Section**	**Pavement Width**	**Speed Limit**	**Maintained By**
Smith Level Road	SR 1919	2-lane undivided	Approx. 22'	35 MPH	NCDOT
Public Works Drive	-	2-lane undivided	Varies from 22' - 30'	25 MPH	CARRBORO
NC 54	NC 54	4-lane divided	Approx. 88'	45 MPH	NCDOT
South Greensboro Street	SR 1919	2-lane undivided	Approx. 22'	25/35 MPH	NCDOT
Merritt Mill Road	SR 1927	3-lane undivided	Approx. 38'	Not Posted (35 MPH)	NCDOT
Old Pittsboro Road	-	2-lane undivided	Approx. 20'	25 MPH	CARRBORO
West Main Street	SR 1010	2-lane undivided	Approx. 32'	25 MPH	NCDOT
Sweet Bay Place	-	2-lane undivided	Approx. 24'	20 MPH	CARRBORO
Roberson Street	-	2-lane undivided	Approx. 24'	20 MPH	CARRBORO

2.2 Existing Traffic Volumes

2013 traffic volumes for this project were collected by DAVENPORT staff, these counts were projected out to 2014 volumes to represent the existing volumes. Table 2.2 below contains the dates these counts were conducted. Traffic volumes were balanced along South Greensboro Street by using the greater of adjacent through volumes in order to give more conservative results. Figure 4 shows the existing AM and PM peak hour volumes. The full reports for these volumes can be found in the appendix.

Table 2.2 - Traffic Volume Data		
Count Location:	**Date Taken:**	**By:**
Smith Level Road @ Pub Works Drive	4/9/2013	DAVENPORT
Smith Level Road @ NC 54 EB Off-Ramp	4/9/2013	DAVENPORT
South Greensboro Street @ Merritt Mill Road	4/9/2013	DAVENPORT
South Greensboro Street @ West Main Street	4/9/2013	DAVENPORT
South Greensboro Street @ Old Pittsboro Road	4/9/2013	DAVENPORT
Sweet Bay Place @ Roberson Street	4/9/2013	DAVENPORT
South Greensboro Street @ Roberson Street	4/9/2013	DAVENPORT