



**Public Meeting – January 27, 2009, 7 – 9 PM
SC 7/SC 171 INTERSECTION IMPROVEMENTS
Charleston County, S.C.**

General Information regarding the RoadWise Program

In November of 2004, the citizens of Charleston County voted to enact a half-cent sales tax to be used for the purposes of transportation improvements, greenbelt facilities and mass transit. Collection of the tax began in May 2005 and continues for 25 years or until \$1.3 billion is collected.

SC 7 (Sam Rittenburg Blvd.) and SC 171 (Old Towne Road) Traffic Analysis

A traffic study was conducted for the Charleston County RoadWise program in 2007, which analyzed the existing conditions of the SC 7 and SC 171 intersection. The purpose of this study was to evaluate the existing operating conditions of this intersection, and evaluate potential improvements. The traffic analysis resulted in the following conclusions:

- Based on 2007 existing traffic conditions and signal timings, the study intersection of SC 7 and SC 171 in conjunction with the intersection of SC 7 and Orange Grove Road does not operate at an acceptable level of service.
- The existing alignment of the SC 7 and SC 171 intersection, along with the close proximity to the intersection of SC 7 and Orange Grove Road, results in vehicle weaving issues that could lead to conflicts and vehicle crashes.
- The existing alternate merge of SC 7 and SC 171 is often confusing for drivers who are unfamiliar with the area.

Proposed Improvements to the SC 7 and SC 171 Intersection

Charleston County RoadWise has identified the following improvements to address the deficiencies and undesirable movements associated with the existing intersection:

- Realign SC 7 (northbound) at SC 171 to create a “T-intersection.” This alignment would accommodate one right turn lane and two left turn lanes from SC 7 northbound on to SC 171.
- Widen SC 171 from Sumar Street through Orange Grove Road to accommodate an additional northbound lane.
- Construct auxiliary turn lanes at the intersection of SC 7, SC 171, and Orange Grove Road, and extend the turn lanes to accommodate more vehicles.

The proposed project would result in minimal impacts, as the majority of the improvements would be constructed within the existing right-of-way. Minor amounts of new right-of-way would be required at the intersection of SC 7 and Orange Grove Road and along SC 7/171 northbound.

Questions and Comments

Questions and Comments may be submitted by completing a comment form and dropping it in the box provided or mailing it to:

Charleston County RoadWise
4401 Belle Oaks Drive, Suite 105
North Charleston, SC 29405

Electronic comment forms are also available online at www.ccradwise.com.
Comments are being accepted through February 9, 2009.