

EVALUATING THE ALTERNATIVES

EVALUATION ITEMS	REASONABLE ALTERNATIVES	
	1 "Northbound Old Towne"	2 "Northbound Old Towne T"
Removes alternate merge	●	●
Provides signalized crossing for pedestrians at SC7 and SC171	●	●
Accommodates signalization and extension of Sumar St.	●	●
Similar or improved access to Northbridge Dr.	●	●
Similar or improved access to Southgate Dr.	●	●
Similar or improved access to businesses north of SC 7	●	●
Equal or better Orange Grove Rd. intersection vehicular traffic operations	●	●
Equal or better Sam Rittenberg Blvd. vehicular traffic operations	●	●
Equal or better Old Towne Rd. vehicular traffic operations	●	●
Commercial/Residential Relocations	None anticipated	None anticipated
2020 Estimated Traffic *LOS for Sumar St. and SC 7 intersection (AM/PM)	E/D	D/D
2020 Estimated Traffic *LOS for Sumar St. and SC 171 intersection (AM/PM)	B/B	B/C
2020 Estimated Traffic *LOS for Orange Grove Rd. and SC 7 intersection (AM/PM)	C/C	D/C
Estimated ROW acquisition	2.04 acres	1.8 acres
Grand Tree impacts (Oak trees)	3	3
Safe pedestrian crossings	●	●
Approximate Construction costs	\$12,060,000	\$9,240,000
Approximate ROW costs	\$1,428,000	\$1,260,000
Approximate Utility Relocation costs (major utilities with prior rights)	\$1,200,000	\$200,000
Wetland/Stream impacts	Minimal	Minimal
Potential hazardous materials concerns	2 sites	2 sites
Potential historical registry concerns	None	None
Compliments City's redevelopment plan for the *old Piggly Wiggly site	●	●

*LOS - Level of Service (scale A - F)

*old Piggly Wiggly site - City of Charleston's Northbridge Gateway project

Screening Key ● YES ● NO

PUBLIC MEETING #2 MAY 29, 2019



SC7 & 171 INTERSECTION IMPROVEMENTS

www.SC7andSC171intersection.com

GOALS FOR TONIGHT'S MEETING



UPDATE

Provide an update on the work that has been done since the last meeting.



PRESENT

Present the alternatives developed in response to public comments and further traffic analysis.



DISCUSS

Discuss the alternatives and answer questions.



COMMENT

Collect input and feedback in writing or online through June 30, 2019.

PROJECT PURPOSE

The purpose of the SC 7 & SC 171 Intersection Improvements project is to **improve safety** and **traffic flow** at the intersection of Sam Rittenberg Boulevard and Old Towne Road **for drivers, pedestrians and bicyclists**.

The project study area is located in the City of Charleston's West Ashley neighborhood. As a priority project for the County and City, various design alternatives were developed and evaluated to ultimately improve mobility at this busy intersection.

PUBLIC COMMENTS

Written comments will be accepted during the public comment period via the comment form, by mail or online. The information you provide, including name and address, is subject to disclosure under the S.C. Freedom of Information Act.

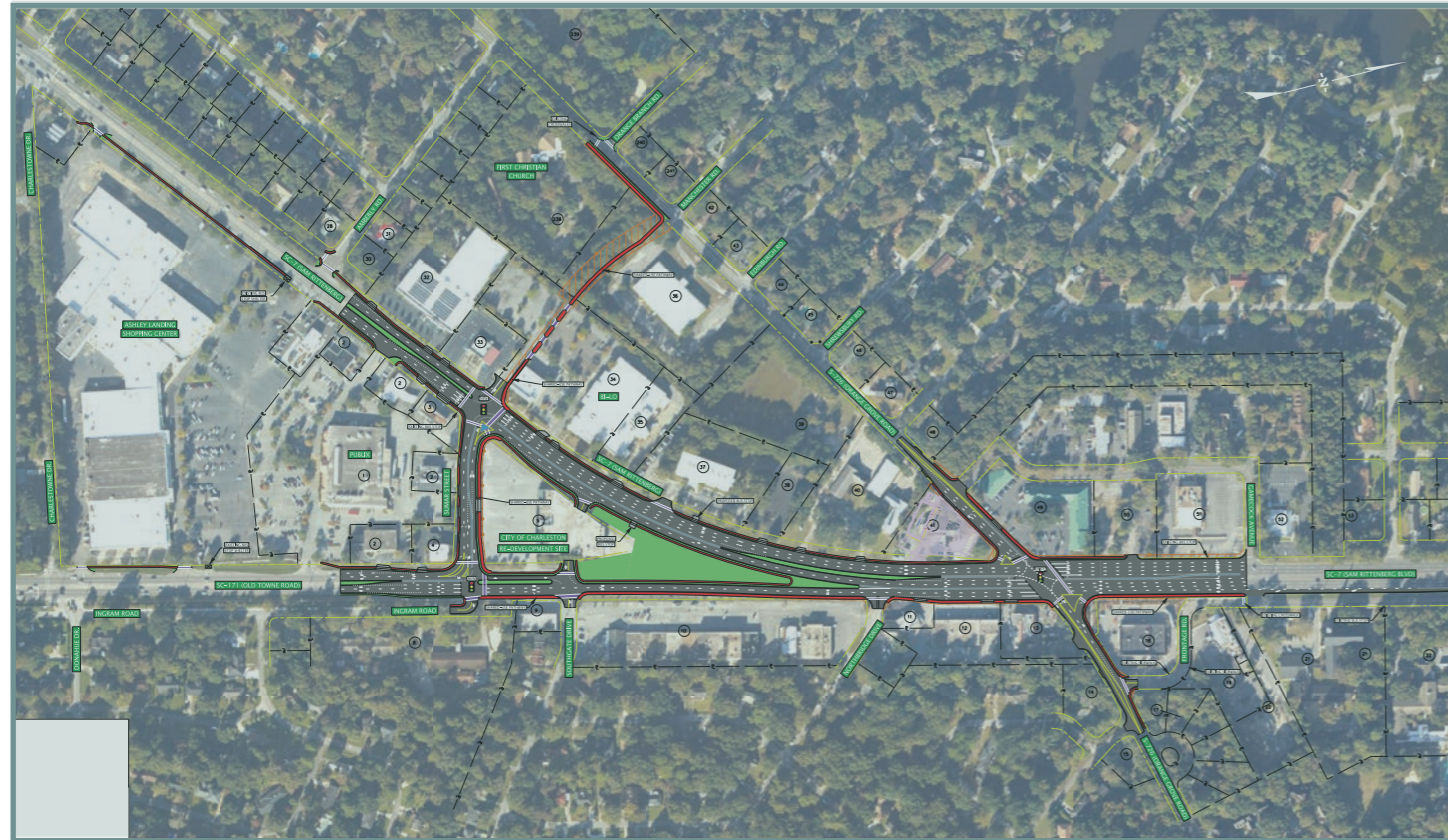
Mailing Address Charleston County
Transportation Development
4045 Bridge View Dr, Ste C204
North Charleston, SC 29405

Online Form www.SC7andSC171intersection.com

DON'T FORGET TO SUBMIT YOUR COMMENTS! ACCEPTED UNTIL JUNE 30, 2019

PUBLIC MEETING #2 REASONABLE ALTERNATIVES

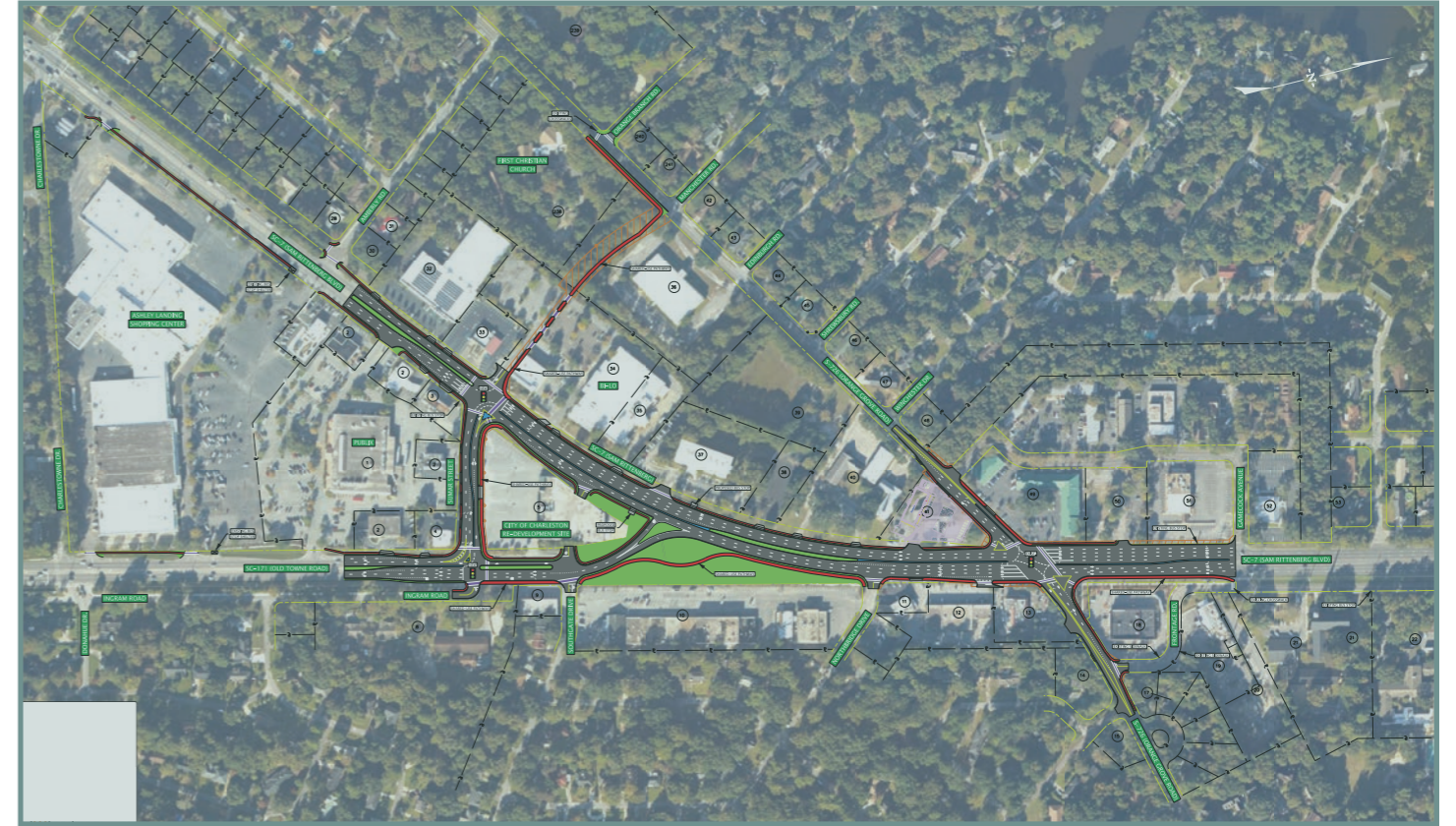
ALTERNATIVE 1 - NORTHBOUND OLD TOWNE



FEATURES OF ALTERNATIVE 1

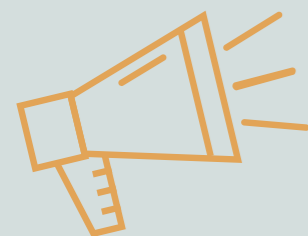
- Alternate merge and traffic signal on Sam Rittenberg Boulevard near the merge are eliminated
- Traffic signal added at Old Towne Road & Sumar Street
- Traffic signal added at Sam Rittenberg Boulevard & Sumar Street
- New traffic pattern provides drivers on Old Towne Road dedicated lanes north onto Sam Rittenberg Boulevard
- Drivers commuting from the Cosgrove Bridge to Old Towne Road will stay on Sam Rittenberg Boulevard and make a left onto Sumar in order to access Old Towne Road

ALTERNATIVE 2 - NORTHBOUND OLD TOWNE "T"



FEATURES OF ALTERNATIVE 2

- Alternate merge and traffic signal on Sam Rittenberg Boulevard near the merge are eliminated
- Traffic signal added at Old Towne Road & Sumar Street
- Traffic signal added at Sam Rittenberg Boulevard & Sumar Street
- Drivers on Old Towne Road will veer slightly left before making a right turn onto Sam Rittenberg Boulevard using either a free-flowing dedicated turn lane or a yield sign before accessing the middle lane
- Drivers commuting from the Cosgrove Bridge to Old Towne Road will stay on Sam Rittenberg Boulevard and make a left onto Sumar Street in order to access Old Towne Road



WE HEARD YOU!

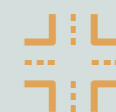
Based on feedback from over 400 citizen comments during the first public comment period, as well as additional traffic study information, the Sumar Street Extension and Orange Grove Road Roundabout have been eliminated from further study.

In keeping with the goals of the project: to improve safety and traffic flow and provide bike and pedestrian connectivity throughout the study area, the two alternatives presented tonight share the following features.

SHARED FEATURES IN ALTERNATIVE 1 & ALTERNATIVE 2



Based on historical collision data, access points for the Northridge Shopping Center have been changed for safety purposes.



Traffic flow will improve at Orange Grove and Sam Rittenberg due to an additional left turn lane.



Both alternatives include the addition of new sidewalks, street crossings and multi-use paths within the project limits.