

# | Agenda Item | cover sheet

for consideration by the Apex Town Council

Item Type: CONSENT AGENDA

Meeting Date: January 24, 2023

## Item Details

Presenter(s): Russell Dalton, Traffic Engineering Manager

Department(s): Transportation & Infrastructure Development

### Requested Motion

Motion to approve a temporary closure of Richardson Road from US 64 to Core Banks Street for the purposes of widening to a four-lane median-divided roadway and constructing turn lanes and traffic signals on US 64 as part of the Sweetwater zoning obligations for development build-out of the commercial phases, with an estimated time of closure beginning on March 27, 2023 and ending on May 27, 2023.

### Approval Recommended?

Yes

### Item Details

Richardson Road from US 64 to Core banks Street is an existing two-lane median-divided roadway. The zoning conditions for the Sweetwater development require this section to be improved to a four-lane median-divided roadway. Additionally, dual left turn lanes are required for Richardson Road at US 64 as well as dual U-turn lanes east of Richardson Road with traffic signals to be installed at both locations.

In order to allow completion of the aforementioned improvements, NCDOT and Town staff have approved an offsite detour plan to be implemented for the duration of construction. It should be noted that the existing symmetrical median-divided two-lane shoulder section is more difficult to widen under existing traffic vs. an asymmetrical 2-lane section. The requested schedule allows time for the developer to notify residents, order materials, and builds in extra days for weather delays if encountered. The developer stated they need to close the roadway due to constructability of the storm piping which crosses the roadway and removal and reconfiguration of the center median.

Existing traffic counts on Richardson Road collected south of Core Banks Street in fall 2022 over a week-long period averaged approximately 4,100 vehicles per day. The approved detour plan routes traffic to New Hill Road/New Hill Olive Chapel Road and Olive Chapel Road. Local trips will still have access to other residential and collector streets within and connecting to Sweetwater, and drivers may instead choose to use Kelly Road as their preferred detour route. Town staff will provide information to the public via social media and the Town's website prior to the start of construction. Police, Fire, EMS and Wake County Public Schools will be notified in advance of the closure.

### Attachments

- Offsite detour plan

