

| Agenda Item | cover sheet

for consideration by the Apex Town Council

Item Type: CONSENT AGENDA

Meeting Date: January 9, 2024

Item Details

Presenter(s): Russell Dalton, P.E., Traffic Engineering Manager

Department(s): Transportation & Infrastructure Development

Requested Motion

Motion to approve North Carolina Department of Transportation (NCDOT) Certification of Municipal Declaration to Enact Speed Limits and Request for Concurrence for a 45-mph speed limit on Olive Chapel Rd between New Hill Olive Chapel Road and Apex Peakway, and revert the speed limit to 35-mph on Olive Chapel Road between Apex Peakway and NC 55 as its within municipal limits.

Approval Recommended?

Yes

Item Details

NCDOT proposes to repeal the current 45 mph speed limit ordinance on Olive Chapel Road from New Hill Olive Chapel Rd to NC 55 and enact a new 45 mph speed limit ordinance, from New Hill Olive Chapel Rd to Apex Peakway, removing the section east of Apex Peakway from the 45-mph speed limit ordinance so it can revert to a statutory 35 mph within municipal limits. Olive Chapel Rd west of Apex Peakway will remain 45 mph after the ordinance is enacted.

The speed limit reduction east of Apex Peakway is being proposed in conjunction with a reduction in travel lanes and addition of bike lanes along that section of Olive Chapel Road as part of the NCDOT resurfacing contract in 2024. Apex Engineering and Planning staff coordinated with NCDOT, prepared plans and provided traffic data including three (3) speed studies along the corridor. The data for the section east of Apex Peakway showed an average speed of 36.7 mph and an 85th-percentile speed of 41 mph for the current 45 mph posting. The lower posted speed in combination with the new pavement marking plan is anticipated to further reduce average and 85th-percentile speeds to increase driver compliance. Speed data further west showed significantly higher average and 85th-percentile speeds, and NCDOT did not recommend a speed limit reduction west of the Peakway at this time based primarily on concerns with potential for increased driver non-compliance.

Attachments

- CN12-A1: Certification of Municipal Declaration to Enact Speed Limits and Request for Concurrence, Concurring State Ordinance Number 1084794 and corresponding map - Speed Limit Concurrence - North Carolina Department of Transportation (NCDOT) - Olive Chapel Road between New Hill Olive Chapel Road and Apex Peakway, 45mph
- CN12-A2: Olive Chapel Rd speed study results (3 locations) - Speed Limit Concurrence - North Carolina Department of Transportation (NCDOT) - Olive Chapel Road between New Hill Olive Chapel Road and Apex Peakway, 45mph

