



Town of Knightdale

Staff Report Cover Sheet

Title: Project Hope Development Update: Speed Limit Reduction Request and Entrance Modification

Staff: Andrew Spiliotis, Senior Planner - Transportation

Date: April 19, 2023

PURPOSE

- Town Council approved the Project Hope (Raleigh Rescue Mission) Master Plan in November 2022. The developer's site design firm, McAdams, has submitted their first construction drawings and is coordinating with the Town and NCDOT to work through revisions. This agenda item provides an update on the coordination which includes a speed limit reduction request to NCDOT and a recommended driveway relocation.
- The coordination is centered on Project Hope's development entrance on NCDOT owned Mailman Road. The entrance (Street C) is located directly across from the Knightdale Baptist Cemetery entrance and just north of an existing crest vertical curve. NCDOT is concerned over the sight distance issue that will exist for vehicles exiting the driveway when looking south towards the crest vertical curve. Currently, Mailman Road has a speed limit of 50 mph. The CTP calls for Mailman Road to be an Avenue signed at 30-35 mph. As the corridor is still urbanizing, NCDOT has indicated they would be more likely to reduce the speed limit to 45 mph. The developer would like to know NCDOT's speed limit determination in order to evaluate the sight distance standards for Project Hope's Mailman Road entrance. Town staff is recommending that Project Hope's Mailman Road driveway shift from Street C to Street H. The shift will adhere to the AASHTO sight distance standards that NCDOT utilizes for the desired future 35 mph speed limit and the potential interim 45 mph too. Staff also recommends that the Town submit an official speed limit reduction request letter for a 35 mph speed limit for Mailman Road given the vertical crest sight distance issue and the roundabout planned on Mailman Road for the Mailman Post development.
- Please see the attached draft Speed Limit Reduction Request Letter for supporting attachments such as the Project Hope site plan and a profile of the Mailman Road crest vertical curve.

STRATEGIC PLAN PRIORITY AREA(S)

- Safe
- Sustainable

GENERAL STATUTE REFERENCE(S), if applicable

- N/A

TYPE OF PUBLIC HEARING, if applicable

- N/A

FUNDING SOURCE(S), if applicable

- N/A

ATTACHMENT(S)

- Draft Speed Limit Reduction Request Letter

STAFF RECOMMENDATION

- Receive as information.

Knightdale Strategic Priorities



Safe



Connected & Inclusive



Sustainable



Active & Healthy



Organizational Excellence