

**CITY TRAFFIC ENGINEER'S REPORT
ISSUE NO. TC 779**

**School Speed Zone and Crosswalk on SW 135th Avenue at Singletree Drive /
New Forrest Drive**

July 12, 2018

Background Information

Mr. Rick Puente, Director of Public Safety with the Beaverton School District requested the installation of a marked crosswalk on 135th Avenue at Singletree Drive / New Forest Drive. Mr. Puente indicated that there is a large number of students and parents that walk to and from school in that area and cross 135th Avenue at Singletree.

The posted speed limit on 135th Avenue is 25 mph. It is classified as a two lane collector street and carries approximately 1,100 vehicles per day. Currently at the intersection with Singletree Drive / New Forest Drive, there is a stop control on Singletree Drive and on New Forest Drive, and no control on 135th Avenue. There are curb extensions on the north side of the intersection that were installed to reduce traffic speed, improve visibility of pedestrians crossing the street and shorten the crossing distance at the intersection to improve pedestrian safety. The intersection has good sight distance at all approaches.

A pedestrian count was performed at the intersection of 135th Avenue and Singletree Drive in June 2018 during school arrival and dismissal times, showed that 28 children and 29 adults crossed 135th Avenue between 7:30 a.m. and 8 a.m., and 32 children and 16 adults crossed the street between 2:20 p.m. and 2:50 p.m.

National research and guidelines published by the Federal Highway Administration (FHWA) recommends installing a marked crosswalk at uncontrolled locations (intersections and midblock locations with no traffic signal or stop signs on the approach of the crossing) on two lane roadways with low traffic volumes if the location has good sight distance and long gaps in traffic with a minimum utilization of 20 pedestrian crossing per peak hour.

Per Oregon Revised Statute, in areas not adjacent to the school grounds, the school speed zone can have one of two options. The first option would be school speed 20 mph when children are present. The second option would be school speed 20 mph when flashing.

On street with low approach speeds (30 mph or less) particularly on residential streets the choice between when flashing or when children are present tends to have little effect on school speed compliance.

It appears 135th Avenue at Singletree Drive / New Forest Drive intersection meets the guidelines to install a marked crosswalk. Staff is proposing to establish a school crosswalk at the north side of the intersection and a 20 mph school speed zone when children are present for approximately 200 feet north and south of the crosswalk.

Applicable Criteria

Applicable criteria from Beaverton Code 6.02.060A are:

- 1a (provide for safe vehicle, bicycle and pedestrian movements);
- 1b (help ensure orderly and predictable movement of vehicles, bicycles, and pedestrians);
- 1h (comply with Federal and State regulations).

Conclusions:

1. Marking a crosswalk on the north side of the intersection of SW 135th Avenue at Singletree Drive / New Forest Drive and establishing a 20 mph school speed zone on 135th Avenue would provide safe and predictable movements of vehicles, bicycles and pedestrians, satisfying Criteria 1a and 1b.
2. Establishing a 20 mph school speed zone on SW 135th Avenue complies with State regulations, satisfying Criterion 1h.

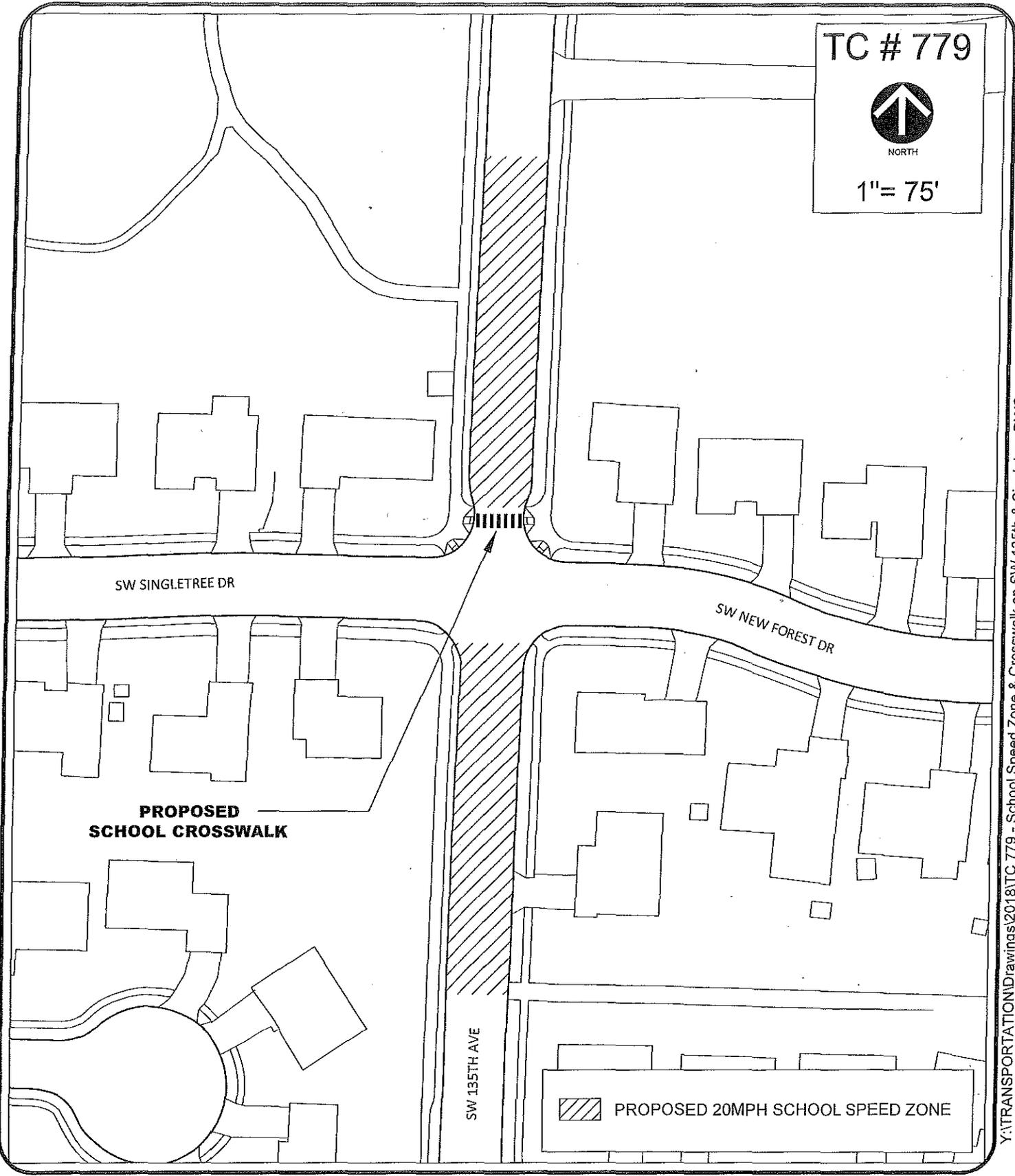
Recommendation:

Approve the request to mark a school crosswalk on the north side of the intersection of SW 135th Avenue and Singletree Drive / New Forest Drive and a 20 mph school speed zone when children are present for approximately 200 feet north and south of the crosswalk.

TC # 779



1" = 75'



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School Speed Zone & Crosswalk on
SW 135th Ave at Singletree Dr. / New Forest Dr.

ENGINEERING DEPARTMENT
TRANSPORTATION DIVISION

Drawn By: GO Date: 7/12/18

Reviewed By: _____ Date: _____

Approved By: _____ Date: _____

MEMORANDUM

Beaverton Police Department



DATE: July 23, 2018

TO: Jabra Khasho, City Transportation Engineer

FROM: Sergeant Steve Schaer

SUBJECT: Traffic Commission Issues No. TC 779

On review of the City Traffic Engineer's report, and my visitation of the location, I concur with the Traffic Engineer's recommendation to approve the request to mark a school crosswalk on the north side of the intersection of SW 135th Avenue and Singletree Drive / New Forest Drive and a 20 mph school speed zone when children are present for approximately 200 feet north and south of the crosswalk.

Sgt Steve Schaer