



Christine McCall  
Assistant City Manager/DPD Director

Craig Thomas  
Deputy Director

## MEMORANDUM

TO: Eileen M. Donoghue, City Manager *EMD*

FROM: Christine McCall, Assistant City Manager/DPD Director

SUBJECT: MOTION OF 7/13/21 BY COUNCILOR MERCIER REQUESTING CITY MANAGER HAVE PROPER DEPARTMENT PUT A 4-WAY STOP SIGN AT THE INTERSECTION OF LINCOLN, WASHINGTON, AND ANGLE STREETS; IF NOT JUSTIFIED PLACE A “NO PARKING HERE TO CORNER” SIGN ON ALL CORNERS AT THE INTERSECTION

City staff conducted a site visit to the above location, as well as reviewed all relevant information and current ordinances, to determine the feasibility of making the intersection of Lincoln Street, Washington Street, and Angle Street a 4-way stop intersection.

A site visit to the above location was performed during afternoon weekday peak hours. Currently, there are no stop signs at this intersection. During the site visit, a fair amount of traffic was observed traveling on Lincoln Street while minimal traffic was observed traveling on Washington Street and Angle Street. Drivers were seen having difficulty turning from Washington Street onto Lincoln Street due to vehicles being parked on Lincoln Street that blocked the view of traffic.

The review of recent accidents at the intersection of Lincoln Street, Washington Street, and Angle Street showed that four accidents have occurred at the intersection, with two of the accidents being angle crashes according to MassDOT’s Crash Portal. A MUTCD criterion for a multi-way stop is “five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation”. The criterion is not met at this intersection. The intersection also does not meet the minimum volumes criteria, which is:

1. The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least 300 vehicles per hour for any 8 hours of an average day; and
2. The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least 200 units per hour for the same 8 hours, with an average delay to minor-street vehicular traffic of at least 30 seconds per vehicle during the highest hour.

Therefore, this intersection does not qualify for an update to a 4-way stop intersection.

The City agrees that installing “No parking here to corner” signs at this location is appropriate to increase safety. An ordinance prohibiting parking within 20 feet of an intersection already exists. On the south side of Lincoln Street, placing a “no parking here to corner” sign placed 20 feet away from the intersection will not suffice, as vehicles would still be parked too close for drivers trying to make a turn onto Lincoln Street from Washington Street to see oncoming traffic. Therefore, an ordinance needs to be drafted to prohibit parking farther than 20 feet from the intersection. The City will determine the appropriate distance for vehicles to park from this intersection, and add the ordinance to a 60-day trial memo to be heard at the next City Council meeting.

AH/cmm

7/22/21

cc: Alan Heredia, Assistant Transportation Engineer