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DEPARTMENT OF PUBLIC WORKS
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To: Municipal Services Committee
From: Eric Lom, City Traffic Engineer
Date: March 15, 2022
Re: Change to intersection traffic control at the Bedford Ln/Chestnut Ln/Plank Rd intersection
Follow-Up to Six-Month Trial Period

Based on a request from Alderperson Doran, the Traffic Section recently reviewed the traffic control at the intersection of Bedford Lane/Chestnut Lane/Plank Road, and subsequently initiated a six-month trial period to change from yield control to one-way stop control. This "T" intersection is located one block south of Midway Road and 0.45 miles west of Telulah Avenue. The land use in this area is primarily residential. All three streets are classified as *local*.

In a typical intersection control study, we consider traffic volumes, crash history, safe approach speeds, etc. In this case, the entering volume of this intersection is moderate, at approximately 3,050 vehicles per day. A review of crash records indicated two reportable crashes for the recent five-year period of 2016 through 2020. The critical approach speed for the intersection was found to be approximately 7 mph.

This intersection meets the volume threshold for stop control, and the critical approach speed is below the standard for yield control. As such, we recommend maintaining the one-way stop control that was implemented for the trial period.

To accomplish this, the following ordinance action is required:

1. **Create:** "Install stop signs on Chestnut Lane at Plank Road/Bedford Lane."