



TO: President Gardiner and Members of the Council

FROM: Jill E. DiTommaso, PE  
Deputy Town Manager

DATE: December 19, 2022

RE: Proposal for Geotechnical Engineering Services  
Proposed 45<sup>th</sup> Street Improvements

---

### **Background**

Staff is working to solicit bids for the repaving of 45<sup>th</sup> Street from the Illinois State line to Calumet Avenue. Two options for rehabilitation are under consideration: 2-inch mill and overlay and 4-inch mill and overlay.

### **Methodology**

To determine which option is best, we recommend that the existing pavement and soil conditions be determined through a geotechnical investigation.

Advanced Engineering Services has provided a proposal to collect four pavement core samples and drill soil borings at four locations to a depth of 10 feet to analyze the soil conditions within the roadway corridor. This information will be used to determine whether a 2-inch mill and overlay will be sufficient to provide the desired remediation or whether a 4-inch mill and overlay is needed.

### **Recommendation:**

By motion and voice vote, authorize the Town Manager to sign the proposal from Advanced Engineering Services in the amount of \$7,580.