

Client Contact:
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Services Provided:

- **Geotechnical Study**
- **Construction Observation**
- **Materials Testing**

Project Summary:

Cesare, Inc. (Cesare) performed a subsurface analysis of the northbound lanes of Huron Street near the intersection of Naiad Drive, after the City of Northglenn observed distress in the pavement. Exploratory borings were drilled on either side of the distressed area to determine the subsurface conditions. Samples of the soils were taken during the drilling and tested in the Cesare laboratory to determine pertinent engineering properties. Blow counts during drilling and laboratory testing indicated the backfill material near the underground utilities was originally undercompacted, resulting in settlement. Cesare's recommendations included removal and

recompaction of the backfill materials, and compaction grouting.

The site was remediated by removing and recompacting the existing utility backfill. Cesare performed construction observation and materials testing on the backfill and concrete pavement.

