Corridor Land Use Evaluation
RIDOT Arterial Traffic Control Project
Warwick, RI

The Rhode Island Department of Transportation is planning improvements to existing traffic control system infrastructure along a 4-mile section of Warwick Avenue in Warwick, Cranston and Providence, RI. The RIDOT will be taking 24 separate land segments at 11 intersections in order to construct planned subsurface components. In order to identify target land segments which may contain contamination that could potentially expose utility workers to oil or hazardous materials or represent a cleanup liability to the RIDOT, Lake Shore Environmental (LSE) was retained to conduct a corridor land use evaluation (CLUE) of the project corridor.

The CLUE involved conducting a linear environmental data base search to a distance of 1/8-mile from the roadway. At sites flagged as potential sources of soil or groundwater contamination that could impact the target intersections, a regulatory file review was completed. Additionally, as part of a "windshield survey", land uses typically associated with contamination issues (e.g. gas stations, dry cleaners, hazardous waste generators) were located with respect to the target intersections.

The third element of the CLUE involved a historical review of the subject corridor including a review of historical aerial photographs and historic city directories. The historic review was intended to

identify potential contaminant sources that would otherwise be unknown.

Based on LSE's CLUE project, one site was identified as a potential contaminant source, thereby, warranting completion of an ASTM Phase I environmental site assessment.

LSE is currently awaiting authorization to complete the supplemental Phase I ESA for the RIDOT.

Pertinent Features:

- Linear environmental data base search along a 4-mile roadway corridor.
- Conducted specialized environmental assessment technique for addressing linear land parcels.