

Project Highlights

- Confined space entry subterranean survey.
- Support of condition assessment activities
- Safety plan.
- Traffic management.

Services Provided

- Survey
- Basemapping
- Field Investigation
- Data Management
- GIS

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RA participated as the survey subconsultant on a team that analyzed 5,500 feet of arched sewer ranging in size from 10.5-foot x 15-foot to 6.5-foot x 9.5-foot. The project's television inspection and structural analysis were conducted by others and RA's survey efforts were key in spatially connecting all of the observations.

The project required a horizontal confined space entry under Glenway Avenue which is a busy five-lane road. A two- to four-person entry crew progressed through the sewer making survey and structural observations while a three-person crew followed on the surface managing traffic and maintaining safe egress. Air quality was monitored ahead of the entrants to ensure a safe breathing environment. Entrants carried ten-minute emergency oxygen packs in the event an unsafe condition was detected.

AutoCAD deliverable to the prime consultant included sewer cross sections and detailed drawings of transitions and junction chambers.