

**IDOT PTB 159-14 ■ Various-Variou Route Surveys
Various Locations in IDOT District 1**

Prime Consultant for Phase I Route Surveying

Millennia provided the following services:

- Established horizontal control points for the project by establishing the Illinois State Plane Coordinate System, East Zone Datum (NAD83) and NAVD 88 vertical datum. Provided tie diagrams for the control points.
- Provided topographic survey of all visible planimetric features with specific attention to features or facilities which may affect the overland drainage patterns. Provided cross sections at 50-foot intervals.
- Located all visible utility structures and provided “Measure-down” (inverts, pipe sizes, etc.) information for all sewer and water structures.
- Provided a MicroStation (3d) file, to IDOT CADD Standards, of all surveyed data, including depicting drainage elements, plotting centerline profiles, plotting cross sections, and plotting tie diagrams.
- Provided bridge surveying, including the outside girder low beam elevations, and the horizontal and vertical locations of the top of each pier and abutment wall at the centerline of roadway and at each end of the pier or abutment.

Client:

Illinois Department of Transportation
District 1
201 West Center Court
Schamburg, IL 60196

