

**IL Route 15 Total Structure Replacement over IL Route 13 and ICG Railroad ■ St. Clair County, Illinois**

*Subconsultant Civil Engineering and Surveying Firm*

Project services include multiple work orders as a sub-consultant for surveying. Surveying scope includes coordinating with Gonzalez Companies and IDOT.

The Route 15 Bridge over Route 13 and the ICG Railroad requires replacement. The Illinois Department of Transportation has initiated the process of removing and replacing the existing structure. Millennia Professional Services is supporting the effort to analyze existing and proposed conditions with survey services.

The project's work order scope included determining existing conditions at all borrow pit locations and post-excavation conditions for the purpose of determining the amount of material removed or added. The two surfaces were then compared and volumes calculated. Millennia Professional Services also verified the layout of pile and pier locations at the request of Gonzalez Companies.

Additional topographic survey work was provided in the areas of several MSE walls in order to locate existing conditions for the redesign of said walls. Millennia also provided layout and quantities for the crossover lanes used during construction.

**Surveying Services Provided:**

- Determined existing control and establish new control
- Verified existing conditions at 5 borrow sites
- Verified post-excavation conditions of 5 borrow sites for the purpose of determining the volume of material hauled
- Managed all survey data for the project
- Provided layout of MSE walls

**Clients:**

Illinois Department of Transportation  
District 8  
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Collinsville, IL 62234-6198

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