

DGL Consulting Engineers, LLC

Project Name:

LUC-Seaman Road-Grade Separation with
Norfolk Southern Railway

Client Name:

City of Oregon

Construction Cost:

\$ 4,100,000



Description:

This project is located in the City of Oregon in eastern Lucas County. The City of Oregon initiated this project due to a conflict that existed between rail traffic and the school buses and emergency vehicles that frequently use Seaman Road. Homestead Rail Yard to the northwest and two public schools (including Clay High School) and a fire station to the east are located within two miles of the site. The project site was further constrained by land recently purchased for the Pearson MetroPark expansion along the south side of Seaman Road.

DGL was contracted to perform all required phases of this project from feasibility study to final plan development. Three alternates were evaluated during the feasibility study phase of the project with the alternate pursued into design being the one that eliminated the Seaman Road / Rail conflict, while preserving the land proposed for Pearson MetroPark expansion. Lallendorf Road was relocated to maintain through traffic on this route, although existing rail facilities and tower guy wires complicated the re-alignment selection.

The three span overpass structure was constructed with A588 plate girders on a crest vertical curve alignment supported by spill-through abutments and hammerhead piers. The bridge design was complicated by Norfolk Southern Railway requirements and the large 57 degree skew. DGL also performed all right of way work (consisting of 56 descriptions), waterline relocations and storm sewer design to support the project's construction.

DGL met every project deadline, resulting in the Seaman Road Project being designated as a Tier 1 Project when Governor Taft initiated the Railroad Grade Separation Program. The press conference to announce the program was held at the Seaman Road site.



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