

DGL Consulting Engineers, LLC

Project Name:

Foundation Designs
Dorr Street Asphalt Plant

Owner:

H.P. Streicher, Inc.

Construction Cost:

Unknown



Description:

This project initially consisted of the structural design work for the extension of an existing silo mat foundation to accommodate an identical silo and conveyor adjacent to the existing silo. Work was subsequently expanded to include foundation designs for newly acquired asphalt and aggregate handling equipment including a dust silo, batch tower, drier and incidental construction items. Work also included the design of a cantilever retaining wall to separate stored sand and aggregate materials.

DGL also performed a site survey to determine accessibility by trucks utilizing the new facilities, and prepared a legal description of property being considered for lease from the Norfolk and Western Corporation. Considerations include compliance with the Ohio Basic Building Code for all load requirements.

Highlights:

- Completed set of construction plans and specifications for bidding
- Use of ground-penetrating radar to determine existing concrete reinforcing steel spacing and depth; core drilling utilized to determine reinforcing steel bar sizes
- Soils consultant was retained to re-evaluate borings previously taken at the site
- Work completed on owner's accelerated schedule to allow for winter construction and spring opening for the advent of the asphalt paving season



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