

# Cargill Facility Improvements

*Cedar Rapids, Iowa*



## Project Description:

Hall & Hall Engineers, Inc. (HHE) has worked with Cargill Corn Milling, Inc. Lotis Road Plant on multiple projects improving overall site civil engineering, circulation, and flood protection across the facility. In 2007, our team evaluated existing facility circulation for future improvements to aid in overall operational functionality. The initial project involved determining necessary utility infrastructure improvements, establishing an appropriate finished floor elevation, and site grading.

Our team continued work with Cargill to provide sound engineering solutions that would reduce impacts of future flooding to facility access drives and river embankment stability. The east entrance drive elevation was raised and new culverts were designed to alleviate access problems during high water. 1,500 feet of HHE designed rip-rap embankment protection improved the stability of the river embankment. Our services also included civil engineering of a new material probe building at the east entrance in concurrently with flood protection improvements.

Following the 2008 floods, HHE assessed and evaluated adjacent damaged properties to determine viability for possible future facility improvements and expansion areas for purchase. HHE provided on-site inspections, mapping of site damages, and assistance in submitting insurance claims across the facility. In this effort, our team designed and completed construction management for a new employee parking lot including stormwater detention and management.



## Project Type:

Industrial Planning Development Civil Engineering

## Status:

Projects ranged from 2007 through 2010

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