

Grain Silo Repairs

STRUCTURE: Grain Storage Silo's
LOCATION: Sioux City, IA
PROJECT DATE: Summer 2002
JOB DURATION: 6 weeks
CLIENT: AGP
CONTRACTOR: Vector Construction Group



PROJECT DESCRIPTION:

Years of continuous loading and unloading of the 22 Silo's along with significant freeze thaw damage have caused significant cracking and spalling of the concrete within the top 3 feet of the 140' high storage silos. Vector Construction was contacted to assist in determining the cause of the spalling and then develop a repair procedure that would provide a durable long lasting repair.

Work proceeded as follows:

1. Install OSHA approved swing stages to safely access the work area.
2. Remove all deteriorated concrete and sandblast existing rebar.
3. Form and pour back all spalled areas with a pre-engineered pre-bagged repair mortar.
4. All cracks were repaired by means of epoxy injection.



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