CHS/MKC – Grain Loading Terminal
Canton, KS

### Project Challenges

- The majority of the facility was stable as it was built on piles but a crucial electrical power center (MCC house) as well as transportation rail and concrete slabs were constructed on poorly compacted soil with poor drainage.
- In addition, settlement had cause a joint to separate and was causing water ponding in the Boot Pit

### Solution

- Utilize the URETEK Patented Deep Injection Process to rehabilitate the load bearing capacity of sub-soils in the following areas...
  1. Motor Control Center (MCC) Building was settling
  2. Rail Car Loading Area
  3. Approach Slabs to the Truck Unloading Area
  4. Sealed a Leaking Joint in the Boot Pit

### Support

- ZERO FACILITY DOWNTIME was allowed for this project. GWS worked closely with facility operations to make sure they were unaffected
- GWS’ SE worked extensively with the Owners of the JV and their GC to value engineer a successful solution to treat the highest priority areas with the most cost effective approach.

### Outcome

- **Success:** Foundation Soils Stabilized, Slabs were Stabilized, and Voids filled.
- **Quick Fix:** Work completed in a fraction of the time to excavate and reconstruct.
- **Value:** Project completed within budget and has prevented further damage to the facility.
- **Uptime:** GWS rehabilitated the Rail Bed soils while rail cars were actively being loaded!

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