

# AMAIZING ENERGY CORN STORAGE SILOS



## **Owner**

Amaizing Energy, LLC

## **Size/Capacity**

506,700 bushels

## **Completion Time**

4 months

## **Younglove's Services**

- Conceptual design
- Structural engineering
- General construction
- Construction management
- Slipform concrete construction

## **Denison, Iowa**

Younglove was awarded the contract to construct two 60-foot-diameter x 120-foot-tall silos to be used for Amaizing Energy's primary corn receiving. The foundation design consisted of 234 auger cast piles, each being 16 inches in diameter and 60 feet deep. We then formed and placed a 3.5-foot-thick mat slab over the piling, formed and slipformed the 10-inch-thick silo walls, and placed the silo roofs. An above-grade tunnel was constructed down the center of the silos for a reclaim conveyor.

Once the walls were placed, a flowable fill material was pumped into the silo bottom to an elevation 6.5 feet above the mat slab. We then placed the silo bin bottom slab at the elevated level.



**YOUNGLOVE**

*Builders of value...  
Builders of trust*

*Leaders in the design and construction of bulk materials handling facilities*