

FARMERS COOPERATIVE GRAIN STORAGE FACILITY



Owner

Farmers Cooperative Company

Size/Capacity

1,450,000 bushels

Completion Time

7 months

Younglove's Services

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

Hinton, Iowa

In 1993 we built one 90-foot-diameter silo, and in 1998 we were awarded another contract to construct two additional 90-foot-diameter silos. With the addition of the two silos, this will add 1,450,000 bushels to their complex total.

The loading of the silos is an extension of the existing 20,000-bushel-per-hour belt conveyors, which will load the silos at the high point of each roof dome. Reclaim will be with side bin draw-offs and a 10,000-bushel-per-hour drag conveyor in a tunnel in the silo mat slabs.

For final clean-out of the silos, equipment access doors were slipped in the walls, which will allow for a front-end loader to get in and move the grain to the clean-out drag.

Reclaim away from the silos is through a 15,000-bushel-per-hour conveyor which ties back to a bulk rail loading system.

A drive-over, flush-floor aeration system rated for 1/10 cfm per bushel and 18 heat detection cables will allow continuous grain temperature readouts for each silo.



YOUNGLOVE

*Builders of value...
Builders of trust*

Leaders in the design and construction of bulk materials handling facilities