

PILGRIM'S PRIDE GRAIN AND SOY MEAL RECEIVING FACILITY



Owner

Pilgrim's Pride Corporation

Size/Capacity

53,300 bushel-per-hour unit rail receiving facility
100 tons soy meal storage
367,000 bushels grain storage

Completion Time

7 months

Younglove's Services

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



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Nashville, Arkansas

This new unit rail receiving facility consists of one 70-foot-diameter by 134-foot-tall silo for grain storage and one 30-foot-diameter by 100-foot-tall silo for soy meal storage.

Grain receiving will be in the new rail receiving building through a 10-foot by 60-foot dump-through rail scale with a 4-foot by 44-foot rail dump grate. Grain or soy meal are transferred with two 26,650-bushel-per-hour drag conveyors to two 26,650-bushel-per-hour bucket elevators, and distribution to the silo is with two 26,650-bushel-per-hour drag conveyors. Soy meal is distributed to the soy meal silo with a 1,265-ton-per-hour drag conveyor.

Grain is reclaimed with a Laidig bin sweep system, and soy meal is reclaimed with a Laidig cone bottom reclaim system. Grain and soy meal are reclaimed with a 3,555-bushel-per-hour drag conveyor back to the existing feed mill transfer system.

The grain silo has a flush-floor, drive-over aeration system designed for 1/10 cfm per bushel; a complete dust control system at the rail scale and bucket elevators; and heat detection cables to allow continuous grain temperature readouts.



Leaders in the design and construction of bulk materials handling facilities