

**Practice:** 466 - Land Smoothing

**Scenario:** #3 - Minor Shaping

**Scenario Description:** Removing irregularities on the land surface of cropland by use of heavy equipment.

**Before Situation:** Field damaged by flooding, past agricultural practices, or other topographic issues causing drainage or field workability issues. Typically less than 100 cy/acre material moved.

**After Situation:** Land level, backhoe, bulldozer or other heavy equipment used to correct irregularities and address drainage or workability issues.

**Scenario Feature Measure:** Acres of land treated

**Scenario Unit:** Acre

**Scenario Typical Size:** 40

**Total Scenario Cost:** \$4,448.79

**Scenario Cost/Unit:** \$111.22

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**Labor**

Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$39.93	25	\$998.36
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**Equipment Installation**

Dozer, 140 HP	927	Track mounted Dozer with horsepower range of 125 to 160. Equipment and power unit costs. Labor not included.	Hour	\$122.24	25	\$3,055.88
Scraper, pull, 7 CY	1206	Pull type earthmoving scraper with 7 CY capacity. Does not include pulling equipment or labor. Add Tractor or Dozer, 160 HP typically required for single scraper.	Hour	\$15.78	25	\$394.56