Practice: 607 - Surface Drainage, Field Ditch

Scenario # 1 Field Drainage Ditch

Scenario Description: **Louisiana**

This scenario is the construction of a surface drain, field ditch. Typical construction dimensions are 4' bottom x 2.5' deep x 1320' length with a side slope of 3:1. Excess water is either reused in an Irrigation System, Tailwater Recovery (447) system, or conveyed to a receiving water body. Resource concerns: Excess/Insufficient Water - Inefficient Use of Irrigation Water and Water Quality Degradation - Excessive Sediment in Surface Waters.

Associated Conservation Practices: 608-Surface Drain, Main or Lateral; 587 -Structure For Water Control; 554 - Drainage Water Management

Before Practice Situation:

Excess water has no outlet and backs up into the fields causing damage or loss of the crop.

After Practice Situation:

An earthen ditch that follows the natural slope of the land at the low end of the field will be constructed to carry excess water to an outlet.

Scenario Feature Measure:

Volume of Earth Excavated

Scenario Typical Size:	1406	Cubic Yard	Unit Cost	$1.93

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Excavation, Common Earth, side cast, small equipment	1406	Cubic yard	$1.80	$2,530.80
Mobilization	Mobilization, small equipment	2	Each	$91.12	$182.24
				Total Cost:	$2,713.04