

ECONOMIC COST DATA

Stream Crossing (578)

OKLAHOMA

Cost Data

Typical Implementation Scenario

578.1 Stream Crossing

Used to stabilize an area where livestock, people and/or equipment cross intermittent or perennial water course that have a top bank capacity of less than 1000 cfs. A typical site is a stream channel 15 ft wide and 6.0 ft deep stabilized with geocell, ceotexile, rock at a total cost \$1,878.84

Data Source: Prior Years Actual Cost Data.

Geographic Area: Statewide

Unit for Cost Estimate: ECY

Practice Life (Years): 10

Discount Rate (%/Year): 5%

Cost/Unit

Materials

\$1.53

Includes Labor, Equipment/Installation and Mobilization Costs.

Geocell 66 SY X 2.76/1.53= 119.06 ECY

Geotextile 143 SY X 2.70/1.53 = 252.35 ECY

Rock 30 CY X 32.00/1.53 = 627.45 ECY

Excavation 150 CY X 1.53/1.53 = 150.00 ECY

Volume (ECY) = 1148.86 ECY

Equipment/Installation

\$0.00

Included in Materials Cost

Labor

\$0.00

Included in Materials Cost

Mobilization

\$0.00

Included in Materials Cost

Operation & Maintenance (Annual)

\$0.15

10% of Installation Costs

Acquisition of Technical Knowledge

\$0.00

None

Forgone Income (Annual)

\$0.00

None

Risk

\$0.00

None

Administration & Permit Costs

\$0.00

None

Total Cost Estimate:

\$1.68