

## South Dakota Cost List - 2007 Program Year

The 2007 South Dakota Cost List will be used for all conservation programs administered by the Natural Resources Conservation Service (NRCS). Programs include:

- Environmental Quality Incentives Program (**EQIP**)
- Wildlife Habitat Incentives Program (**WHIP**)
- Wetlands Reserve Program (**WRP**)
- Emergency Watershed Program (**EWP**)
- PL-566 Watershed Project (**PL-566**)
- Interim EQIP

Programs such as the Conservation Reserve Program (CRP) or Emergency Conservation Program (ECP) have separate cost lists. See appropriate program documentation for more information.

Methods and policy on cost-sharing, development of average cost data, and procedures for establishing cost-share rates are discussed in General Manual (GM), Title 120, Subpart D, 404.30. Methods of cost-share in this cost list include:

- FR** - Flat Rate (100 percent cost-share)
- AC** - Average Cost (cost-share rate varies by program).

### **Waste Management System:**

Only the components of the overall waste management system required for the proper collection, storage, transport, treatment, and utilization of the waste materials will be eligible for cost-share. These will include practices needed for the diversion of clean water around the system,

- manure settling basins, waste storage facilities, fencing for the protection of these settling and storage facilities, seeding of embankments, and permanently installed equipment or facilities needed to transport manure to holding ponds or other storage facilities.

When a feedlot is being moved to an entirely new location to promote water quality improvement, cost-share will be limited to the waste management system structures and components. Exceptions may include; perimeter fencing around the entire facility, components to deliver water up to (but not including) livestock watering facilities, shelterbelt establishment, and temporary wind shelters for livestock protection until shelterbelts are permanently established. NOTE: When relocating a facility, the producer must agree to completely abandon all livestock feedlot type activities at the existing facility.

### **Pumping Plant:**

Includes applicable costs associated with pump, power unit, pressure tank, appurtenances, and well pit. The cost of installing electricity to operate the facility is not eligible for cost-share. One time cost-share, all maintenance, and replacement costs are the responsibility of producer.

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### **Alternative Power Sources:**

- Power sources using renewable energy such as solar power or windmills. Includes cost of solar panels, windmill tower, head, etc. Does not include propane or gas generators.

## **Fencing:**

Fences **NOT ELIGIBLE** for cost-share:

- To keep livestock within the boundaries of a prescribed grazing system(s), range unit, allotment, grazing area, Tribal grazing unit, etc.
- Along federal, state, county, Tribal, and township roads.
- To separate cropland from rangeland or pastureland.
- Feedlot perimeter fencing. Exception when a feedlot is being moved to an entirely new location to promote water quality improvement (up to the cost of five-barbed wire fence).

Fences **ELIGIBLE** for cost-share:

- Control the movement of cattle within a prescribed grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc., (cross fences) regardless of ownership.
- Protect other conservation practices (trees, seedings, ponds, etc.), from livestock grazing regardless of ownership provided that the livestock being excluded are from the unit under contract, and fences are not along a road as defined above.
- Lanes required to rotate cattle between pastures within a prescribed grazing system provided they are not adjacent to a road as defined above and are inside the boundary of the grazing system, range unit, allotment, grazing area, Tribal grazing unit, etc.
- To protect holding ponds, debris basins, or other required structures of an animal waste management system.
- To protect culturally or socially sensitive areas from livestock use.

## **Wells - Deep Aquifer:**

Must have prior written approval by the state conservation engineer before the practice is eligible for cost-share.

In western and central South Dakota, four aquifers located at shallower depths have been identified that will meet water quality criteria for livestock. These include: Oglala Formation, Arikaree Formation, Fox Hills Formation, and the Inyan Kara/Lakota Formation. It is recognized that these shallow aquifers do not always exist locally. Wells in these formations, at depths of less than 2,500 feet, do not require prior approval.

- The intent of this component is to use the first aquifer reached that provides an adequate source of water quantity and quality for livestock. If producers wish to establish the well in a deeper aquifer, the added depth will be at their own expense.

Wells installed in an aquifer at depths greater than 2,500 feet requires the following information:

1. Documentation that other alternatives have been discussed with the producer. The intent is to consider the cost of drilling a well versus the cost of rural water, dams, etc. Documentation can be in the form of photocopied technical assistance notes.
2. Documentation in the form of drill logs that indicate the absence of shallower aquifer sources in this area. This information is available from well drillers, South Dakota Geological Survey, U.S. Geological Survey, and the South Dakota School of Mines and Technology.

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

### Bioengineering

Brush box - trench pack	L.F.	AC	\$5.00			
Brush matting	SQ.FT.	AC	\$1.35			
Willow planting - locally harvested	EA.	AC	\$0.40			
Willow planting - nursery stock	EA.	AC	\$0.60			

### Brush Management

Mechanical brush management	AC.	FR	\$150.00			
Chemical brush management	AC.	FR	\$10.00			

*Cost-share only available for the control of non-herbaceous (woody) species as part of a coordinated grazing management plan.*

### Concrete

Steel reinforced concrete flatwork	CU.YD.	AC	\$150.00			
Unreinforced concrete	CU.YD.	AC	\$115.00			
Steel reinforced concrete formed one side	CU.YD.	AC	\$350.00			
Steel reinforced concrete formed two sides	CU.YD.	AC	\$520.00			

**Concrete flatwork (reinforced and unreinforced)** - structures that require a level surface, however, limited forming and shaping is required. Eg. concrete floors, watering facility pads, etc.

**Steel reinforced concrete formed one side** - simple concrete structures that require form and/or finish work in excess of concrete flatwork. Eg. manure chutes, splash pads, etc.

**Steel reinforced concrete formed two sides** - complex structures requiring extensive steel reinforcement and forming. Eg. concrete walls, manure tanks, water control structures, etc.

### Earthwork

Contractor mobilization <500 CY projects	EA.	AC	\$500.00			
Earthmoving w/dragline	CU.YD.	AC	\$1.50			
Excavation	CU.YD.	AC	\$1.20			
Class A Earthfill w/controlled compaction	CU.YD.	AC	\$2.10			
Class S Earthfill w/method compaction	CU.YD.	AC	\$1.56			

#### Construction Guidelines :

**Excavation** - includes only the removal, transport and designated disposal of earth materials from required excavations at a construction site

**Class A Earthfill** - includes the placement of compacted earthfill with controlled moisture content and in-place density utilizing standard earthmoving equipments. Moisture content and in-place density will be verified by testing.

**Class S Earthfill** - includes the placement of compacted earthfill utilizing standard earthmoving equipment with moisture content and density control obtained by specifying the construction method.

**NOTE:** In determining cost-share for earthwork construction, most typical conservation work will be completed by making cost-share payments for either excavation or earthfill, not both. Payment for earthfill will typically include compensation for obtaining the earthen materials from required excavations or designated borrow sites.

**Exceptions:** Waste Storage Lagoon, Waste Storage Pond, core trench for Dams, etc., where a required excavation is designated, earthen materials are removed and then replaced with suitable earthfill meeting specified compaction requirements. In these situations, payments are allowed for both the excavation, and then payment to place the required earthfill.

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City
<b>Earthwork (cont'd)</b>						
Offsite borrow - truck haul	CY/Mile	AC	\$0.20			
<p><i>Offsite borrow material used for earthfill that is obtained from outside the project construction site. The construction site encompasses an area in a 2,000 foot radius from the center of the fill area. All expenses incurred within this construction site are included in normal earthfill costs. Payment is based on the distance from the center of the fill area to the center of the borrow area, minus the 2,000 foot construction site radius. Round up mileage to the nearest whole mile. Example: a borrow site 14,000 feet from the center of the fill area is equal to 3 miles (14,000' minus 2,000' divided by 5,280'). This additional \$.60 to be added to normal earthfill costs.</i></p>						
Offsite borrow - scraper haul	CY/Station	AC	\$0.03			
<p><i>Offsite borrow material used for earthfill that is obtained from outside the project construction site. The construction site encompasses an area in a 2,000 foot radius from the center of the fill area. All expenses incurred within this construction site are included in normal earthfill costs. A station is a 100' foot length. Payment is based on the distance from the center of the fill area to the center of the borrow area, minus the 2,000 foot construction site radius. For scraper haul, the maximum distance is capped at 5,280 feet from the center of the fill area (1 mile). Example: a borrow site 5,280 feet from the center of the fill area is equal to 33 stations (5,280' minus 2,000' divided by 100'). This additional \$.99 to be added to normal earthfill costs.</i></p>						
Topsoiling	SQ.YD.	AC	\$0.50			
<p><i>Only used for the placement of topsoil on required excavations or borrow sites. Salvaging and spreading topsoil on earthfills is compensated as EARTHFILL. Example: Topsoil placement in excavated auxiliary spillway for a dam following construction to ensure that permanent vegetative cover can be established to protect the structure</i></p>						
Quality Assurance Testing	JOB	AC	\$1,750.00			
<p><i>Includes all required testing for the control of moisture, in-place density, and/or required permeability for all earthwork on a specific project site. Or may be used for the purpose of reimbursing for other quality assurance testing required, such as concrete or soil mechanics testing.</i></p>						
Livestock dugout	EA.	AC	\$2,000.00			
<p><i>New excavated ponds at the minimum size requirements (500 sq.ft. bottom area at the minimum allowable depth) on relatively flat construction sites. Must follow all current Wetland Conservation and Endangered Species provisions.</i></p>						
Dugout rehabilitation	EA.	AC	\$1,000.00			
<p><i>Only eligible on excavated ponds which have exceeded their expected life span (20 years). Must follow all current Wetland Conservation and Endangered Species provisions.</i></p>						
Waterspreading 0-2% slope .27 cu.yd./ft	L.F.	AC	\$0.60			
Waterspreading 2-4% slope .34 cu.yd./ft	L.F.	AC	\$0.97			
Waterspreading 4-6% slope .44 cu.yd./ft	L.F.	AC	\$1.42			
Waterway, diversion, plug >55 sq.ft.	CU.YD.	AC	\$1.56			
Waterway, diversion 0-24.9 sq.ft.	L.F.	AC	\$1.05			
Waterway, diversion 25-34.9 sq.ft.	L.F.	AC	\$1.50			
Waterway, diversion 35-44.9 sq.ft.	L.F.	AC	\$1.75			
Waterway, diversion 45-54.9 sq.ft.	L.F.	AC	\$2.00			
Land leveling	CU.YD.	AC	\$1.80			
Terraces	L.F.	AC	\$1.70			

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

**Erosion blanket**

Erosion control netting - installed	SQ.YD.	AC	\$2.25			
Mulching and mechanical anchoring	AC.	AC	\$300.00			
Silt Fence (Installed)	L.F.	AC	\$3.20			

**Fabricated Windbreak**

Fabricated Windbreak	L.F.	AC	\$21.00			
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**Fence**

*For more information on fence cost-share eligibility, see introduction.*

**Permanent Fences**

1-Wire, High tensile electric	L.F.	AC	\$0.33			
2-Wire, High tensile electric	L.F.	AC	\$0.40			
3-Wire, High tensile electric	L.F.	AC	\$0.55			
4-Wire, High tensile electric	L.F.	AC	\$0.70			
5-Wire, High tensile electric	L.F.	AC	\$0.80			
Electric fence energizers	EA.	AC	\$475.00			

*Includes ground rods(s), lightning arrestors, and appurtenances. Must meet SD Standard Fence (382). Limit of one per contract.*

26" Woven wire	L.F.	AC	\$1.15			
32" Woven wire	L.F.	AC	\$1.20			
48" Woven wire	L.F.	AC	\$1.40			
1- Barbed or smooth wire w/ Woven	L.F.	AC	\$0.08			
2- Barbed or smooth wires w/ Woven	L.F.	AC	\$0.15			

*Woven wire fences separated into two components; the main woven wire component and one or two strands of barbed or smooth wire top.*

3-Smooth wire (horse fence)	L.F.	AC	\$0.75			
3-Barbed wire	L.F.	AC	\$0.80			
4-Barbed wire	L.F.	AC	\$0.90			
5-Barbed wire	L.F.	AC	\$1.00			
6 or more barbed wire	L.F.	AC	\$1.10			
Protective Fence - additional costs	L.F.	AC	\$0.15			

*Protective Fence - add additional \$0.15 per LF for specialized fences around animal waste systems, tree sites, riparian areas, etc. Protective fences are generally short fences with 4 or more corner, direction change, pull post assembly (H-braces) and/or gate assemblies per 1/4 mile.*

**Temporary Fences**

Portable fence for intensive grazing mgt.	L.F.	AC	\$0.10			
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*Single wire portable poly-wire fence. Eligible cost-share determined by the circumference of the largest temporary paddock (if temporary fencing surrounds paddock) or by the longest single reach required multiplied by two (if temporary fencing occurs on only two sides of a paddock).*

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City
<b>Forest</b>						
Forest Stand Improvement	AC.	AC	\$260.00			
<b>Grazinglands Mechanical Treatment</b>						
Contour furrow, renovation, pitting	AC.	AC	\$20.00			
Deep chiseling	AC.	AC	\$20.00			
<b>Grass Seeding</b>						
Light Seedbed Preparation	AC.	AC	\$10.00			
Medium Seedbed Preparation	AC.	AC	\$20.00			
Heavy Seedbed Preparation	AC.	AC	\$30.00			
Cover Crop (Tillage and/or Chemical)	AC.	AC	\$40.00			
Existing Cover Destruction	AC.	AC	\$40.00			
<p><i>Seedbed Preparation:</i>  <i>Light - 1 tillage trip or chemical application only.</i>  <i>Medium - 2 tillage trips or 1 chemical application .</i>  <i>Heavy - 3 or more tillage trips or 2 or more chemical applications .</i>  <i>Cover Crop - all operations needed to establish/maintain/and destroy a cover crop.</i>  <i>Existing Cover Destruction - all operations needed to destroy existing established perennial cover. Conservation purposes only, not for production enhancement purposes</i></p>						
Seeding Operation	AC.	AC	\$15.00			
Introduced Grass Mix - Low cost	AC.	AC	\$10.00			
<i>Includes a single introduced grass species (e.g., bromegrass or orchard grass) and a legume.</i>						
Introduced Grass Mix - High cost	AC.	AC	\$20.00			
<i>Includes introduced grass specie(s) (including switchgrass) with an optional legume. Mixtures that do not meet the criteria for a range seeding (native species mixture) (e.g., pubescent wheatgrass, tall wheatgrass, Intermediate wheatgrass, crested wheatgrass, meadow brome, and wwitchgrass).</i>						
Native Grass Mix	AC.	AC	\$50.00			
<i>Includes native grass specie(s) with a legume optional. May meet the criteria for a range seeding (native species mixture). (e.g., western wheatgrass, big bluestem, Indiangrass, sideoats grama, green needlegrass, blue grama, little bluestem)</i>						
Native Grass w/ forbs mix	AC.	AC	\$55.00			
Restoration of Tall/Mixed Grass Prairie	AC.	AC	\$70.00			
<i>Includes only native grass/forb mixtures (minimum seven native grass species and eight native forbs).</i>						
<i>Critical Area Plantings (342) - the price for all seed mixtures and seeding operation may be increased by 100 percent. Follow seed selection and specifications outlined in Critical Area Planting (342) Standard and Range Technical Note No. 4.</i>						
<i>Weed control components included under Pest Management.</i>						

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

**Irrigation**

PVC Vent Standpipe - Installed	Dia.In./EA	AC	\$25.00			
Alfalfa Valve	Dia.In./EA	AC	\$46.00			
Flow Meter	Dia.In./EA	AC		\$ 120	\$ 140	\$ 140
Steel Dogleg w/Thrust Block - Installed	Dia.In./EA	AC	\$80.00			
PVC Dogleg w/Thrust Block - Installed	Dia.In./EA	AC	\$25.00			

*Diameter Inch/Each = diameter of pipe in inches per installation. Example: 4" PVC Vent Standpipe x \$25.00 = \$100 each.*

Irrigation PVC Pipe	Dia.In./LF	AC	\$0.85			
Air vacuum valve	Dia.In./EA	AC	\$35.00			
Drain	EA.	AC	\$180.00			
Inlet structure	EA.	AC	\$560.00			
Outlet structure	EA.	AC	\$150.00			
Pressure control valve	EA.	AC	\$570.00			
Pumpout	EA.	AC	\$250.00			
Trash rack	EA.	AC	\$162.50			
Horizontal Filter Screen	EA.	AC	\$1,300			

**Lining & sealing**

Bentonite	TON	AC	\$200.00			
Butyl rubber	SQ.FT.	AC	\$0.30			
Gleization	SQ.FT.	AC	\$0.06			
Plastic membrane	SQ.FT.	AC	\$0.40			
Soda ash or similar material	TON	AC	\$238.00			

**Manure Transfer**

*Permanent Pump - Liquid	Ea.	AC	\$7,000			
*Permanent Pump - Slurry	Ea.	AC	\$16,000			

*\*If the pump is an integral part of the animal waste management system. Does not include the cost of supplying or connecting electricity to the pump. The cost of installing electricity to operate the facility is not eligible for cost-share. One time cost-share, all maintenance, and replacement costs are the responsibility of producer.*

**Obstruction removal**

Obstruction removal	JOB	AC	\$1,000.00			
Obstruction removal	HR	AC	\$120.00			

*For the removal of rocks, trees, etc., from the project site when necessary prior to construction. Only for sites where obstacles must be removed, not to compensate for normal site preparation.*

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

**Pest Management**

**Grass Seeding**

Weed Control - Mechanical	AC.	FR	\$6.00			
Weed Control - Chemical	AC.	FR	\$12.00			

**Tree Planting**

Weed Control - Chemical	AC.	FR	\$40.00			
Weed Control - Mechanical	AC.	FR	\$125.00			

Weed control payments on an annual basis up to a maximum of three years on new plantings only. Payment based on the total area of planting (including between row and isolation strips). Weed control must be performed on the entire acreage; however, if both chemical and mechanical applications are performed, payment will be based on the in-row type of weed control used.

**Pipe - Principal Spillways & Drain Pipes (Includes cost of material and installation)**

Principal Spillways - PVC	Dia.In./LF	AC	\$2.50			
Principal Spillways - PE >20" diameter	Dia.In./LF	AC	\$2.00			
Principal Spillways - PE <20" diameter	Dia.In./LF	AC	\$1.75			
Principal Spillways - Corrugated Metal	Dia.In./LF	AC	\$2.20			

Price includes pipe and installation plus any appurtenances and accessories such as inlet or outlet structures, barrel riser, anti-seep collar, drain fill material, etc.

Drain pipe - PVC	Dia.In./LF	AC	\$2.00			
Drain pipe - PE >20" diameter	Dia.In./LF	AC	\$1.75			
Drain pipe - PE <20" diameter	Dia.In./LF	AC	\$1.50			
Drain pipe - Corrugated Metal	Dia.In./LF	AC	\$2.00			

Diameter Inch/Linear Foot = diameter (inches) x cost x length (feet). Example: 4" PVC pipe x \$2.00 x 100' total length = \$800.

Concrete Culvert	LF	AC	\$60.00			
Butyl rubber diaphragm	EA.	AC	\$180.00			
Cathodic protection - magnesium anodes	EA.	AC	\$2,000.00			
Trash screen for sediment basin drain	EA.	AC	\$400.00			

**Pipeline**

Plastic pipe (above ground installation)	L.F.	AC	\$0.70			
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Price includes the cost of pipe, installation, and any needed appurtenances.

Shallow bury pipeline	L.F./ FT.	AC	\$0.20			
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Installation costs, in excess of pipe, appurtenances, and above ground installation. Installation costs based on linear foot per foot of depth.

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

### Pipeline (cont'd)

PE pipe	L.F.	AC	\$1.80			
PVC pipe - <= 1 1/4" dia.	L.F.	AC		\$1.80	\$1.80	\$1.60
PVC pipe - 1 1/2" dia.	L.F.	AC		\$2.20	\$2.20	\$1.80
PVC pipe - 2" dia.	L.F.	AC		\$2.40	\$2.40	\$2.00
PVC pipe - > 2" dia.	Dia.In./LF	AC	\$1.00			

Price includes the cost of pipe, installation, and any needed appurtenances. Assumes an installation cost in normal soil below the frost line. If pipeline is installed in fractured rock/cobbles, an additional item may be added to cover additional installation costs on these areas (see below).

Installation - fractured rock/cobbles per lf/ft. depth	L.F./ FT.	AC	\$0.23			
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Installation costs, in excess of pipe, appurtenances, and normal installation, on areas of fractured rock or areas with cobble size or greater stones (cobbles by definition are 3" to 10" in diameter) where use of normal trenching equipment is prohibitive. Alternative installation routes or systems must be investigated prior to pipeline installation into these areas. This component includes the additional cost of installation on only the sections of pipeline installed into these areas. If normal trenching equipment is capable of installing the pipeline, this component is not available. Installation cost based on linear foot per foot of depth.

Horizontal Bore	L.F.	AC	\$16.00			
Hookup on community water system	EA.	AC		\$1,550	\$1,700	\$2,250

\* Includes service connection, mobilization, pit, meter box, etc., and appurtenances. Does not include components such as pipeline to or from the site, meters, etc., if land owner or operator does not retain ownership and maintenance responsibilities.

Manhole and appurtenances	EA.	AC	\$800.00			
Soil to mound over pipe	CU.YD.	AC	\$1.56			

### Prescribed Burning

Prescribed Burning	AC.	FR		\$15.00	\$12.00	\$8.50
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### Pumping Plant

Pumping plant	EA.	AC	\$1,500			
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Used to upgrade an existing pumping plant system, or on a "pasture" well where a single submersible pump without a pressure system is adequate.

Pumping plant - <= 2 HP	EA.	AC	\$4,000			
Pumping plant - 2.5 to 6 HP	EA.	AC	\$8,000			
Pumping plant - > 6 HP	EA.	AC	\$12,000			

Based on the horsepower rating of the pump installed. Only eligible for the minimum HP rating needed for livestock needs. Price includes pump, pressure tank, appurtenances, well pit or pitless adapter. The cost of installing electric or gas lines to operate the facility is not eligible for cost-share. One time cost-share, all maintenance, and replacement costs are the responsibility of producer.

Alternative Pumping Plant Power Source	LF	AC	\$30.00			
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Includes solar panels, windmills and other renewable energy resources ( **does not include propane or gas generators** ). Price is based on the depth that water is being pumped. Must be installed to manufacturers guidelines. One time cost-share, all maintenance and replacement costs are the responsibility of producer.

Nose pump	EA.	AC	\$500.00			
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COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City
<b>Rock &amp; gravel</b>						
Crushed rock or gravel	CU.YD.	AC	\$25.00			
Drain fill materials for anti-seep diaphragm	CU.YD.	AC	\$70.00			
Filter cloth	SQ.YD.	AC	\$2.00			
Rock riprap	CU.YD.	AC	\$50.00			
Rock filled wire baskets	CU.YD.	AC	\$200.00			
Livestock Crossing	SQ.FT.	AC	\$2.50			
<b>Springs</b>						
Developing springs and seeps	EA.	AC	\$3,000			
<b>Structure - Including materials and labor</b>						
Timber structure	BD.FT	AC	\$1.30			
<i>Board Foot - equivalent 1" x 12" x 12" lumber, or 144 cubic inches. To calculate use the formula Thickness (in) x Width (in) x Length (ft) of all timber used divided by 12. Use nominal dimensions ( 2" x 4" not 1 3/4" x 3 1/2") when calculating.</i>						
Sheet Piling	SQ.FT.	AC	\$15.00			
Steel structure	LB.	AC	\$1.00			
<b>Tank or trough</b>						
Freeze-proof tank with base	GAL.	AC	\$2.15			
Steel rim w/flexible bottom	GAL.	AC	\$0.40			
Steel rim w/concrete bottom	GAL.	AC	\$0.70			
Commercial Automatic Waterers	EA.	AC	\$2,000.00			
<i>Only eligible for winter grazing systems as described in the Prescribed Grazing standard.</i>						
Central Storage	GAL.	AC	\$1.00			
Standard tank installation with base	GAL.	AC	\$1.40			
<i>Standard tanks include rubber tire and fiberglass tanks, installation and any needed appurtenances such as plumbing and center plug or plate on rubber tire tanks. Concrete aprons are not included in the cost of a standard tank and will be paid separately using component <u>Steel reinforced concrete flatwork</u> . A standard tank base includes compacted earth or sand/gravel/rock apron, and must receive regular non cost shareable maintenance.</i>						
Standard tank installation with base <750 Gal.	Ea.	AC	\$1,000.00			
<b>Tile</b>						
Perforated to Non-perforated	Dia.In./LF	AC	\$0.35			
Corrugated pipe non-perforated Installed - 4"	LF	AC	\$1.25			
Corrugated pipe non-perforated Installed - 6"	LF	AC	\$1.80			
Corrugated pipe non-perforated Installed - 8"	LF	AC	\$2.40			
Tile removal	JOB	AC	\$500.00			
Tile outlets 4-12" diameter	L.F.	AC	\$12.00			
Tile riser	EA.	AC	\$170.00			

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

### Trees

Land preparation - non-tilled areas	AC.	AC	\$35.00			
<i>Includes tillage and/or chemical application on sod areas only.</i>						
Bare-root tree or shrub and planting	EA.	AC	\$1.50			
Container grown trees, shrubs & planting	EA.	AC	\$3.75			
Container grown trees, shrubs and planting	ROD	AC	\$5.00			
Drip watering system for conifers	L.F.	AC	\$0.45			
Fabric weed barrier	L.F.	AC	\$0.52			
Renovation, sod control, chem & mech.	AC.	AC	\$135.00			
Renovation-tree removal	AC.	AC	\$1,500.00			
Bare-root shrubs and planting	ROD	AC		\$4.40	\$3.90	\$3.70
Bare-root Trees and planting	ROD	AC		\$3.55	\$3.50	\$3.20
<i>Weed control components are listed under Pest Management.</i>						

### Waste management system

<i>- For additional information on waste management systems, see on Page 1.</i>						
Manure Pump Pit	Ea.	AC	\$2,600.00			
Subsurface Investigation - Deep Soil Boring	Ea.	AC	\$1,750.00			
PVC Gutter Installation	Ea.	AC	\$200.00			
PVC Gutter	LF.	AC	\$10.00			
Inline Manure Gate Valve	Dia.In/Ea	AC	\$100.00			
Manure line riser - cleanout	Ea.	AC	\$800.00			
Roofed structure	AU	AC	\$100.00			
<i>Only eligible to replace existing feedlot operations owhere existing lots are abandoned and reclaimed. Includes all components including adequate waste material storage capacity to meet tje Waste Storage Facility (313) standard. The development and implementation of a comprehensive nutrient management plan is required.</i>						
Miscellaneous	JOB	AC	\$250.00			
<i>To be used only for waste management systems. Includes signs, permanent markers, and small items not included in the cost list.</i>						

### Water control

Hand Wheel or Hoist operated Gate Valve	Dia.In./Ea.	AC	\$45.00			
High Pressure In-line Gate Valve	Dia.In./Ea.	AC	\$60.00			
Inclined Slide Gate Valve	Dia.In./Ea.	AC	\$45.00			
Small Hand Operated Lift or Slide Valve	Dia.In./Ea.	AC	\$8.50			
<i>Diameter Inch/Each = diameter of pipe in inches. Example: 10" Inclined Slide Gate Valve x \$45.00 = \$450 each.</i>						
Gate stem, hand wheel & couplings	L.F.	AC	\$8.50			
Oil filled stem	L.F.	AC	\$12.50			
Parshall flume, steel w/o concrete	EA.	AC	\$860.00			
Weir boxes (hardware & gauge)	EA.	AC	\$200.00			

COMPONENT NAME	UNIT TYPE	COST-SHARE TYPE	UNIT COST (Separated by Field Support Office)			
			Statewide	Brookings	Pierre	Rapid City

**Wells**

Steel casing - Less than 3" dia.	L.F.	AC	\$17.00			
Steel Casing - 4" to 6.5" dia.	L.F.	AC	\$35.00			
Steel Casing - 7" to 11.5" dia.	L.F.	AC	\$50.00			
Steel Casing - Deep aquifer well, 5" or more dia.	L.F.	AC	\$60.00			

See Cost List Introduction on Page 2 for additional information concerning this component.

Copper casing - 2" diameter	L.F.	AC	\$22.50			
Plastic casing - Less than 3.5" dia.	L.F.	AC	\$12.00			
Plastic casing - 4" to 6.5" dia.	L.F.	AC	\$22.00			
Plastic casing - Greater than 7" dia.	L.F.	AC	\$24.00			
Contractor mobilization - Wells <100 LF	EA.	AC	\$500.00			

Contractor mobilization on wells less than 12" diameter casing and less than 100 feet in depth.

Larger than 12" diameter (ordinary well)	L.F.	AC	\$75.00			
Well plugging - Shallow aquifer	JOB	AC	\$300.00			
Well plugging - Artesian	JOB	AC	\$825.00			

See Cost List Introduction on Page 2 for additional information concerning this component.

**Wetland Restoration**

Earthmoving for wetland restoration	CU.YD.	AC	\$2.10			
Ditch plug	EA.	AC	\$250.00			
Seeding operation - Hand plugs	EA.	AC	\$0.40			