



Douglas County: Irrigation Water Quality and Quantity

Improvement of existing irrigation water delivery systems by conversion to a more efficient system improves water use efficiency. Improved irrigation water application efficiency improves water quality with fewer nutrient and organics moved off site thereby benefitting aquatic Threatened and Endangered Species.

Erosion Control

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
342	Critical Area Planting - Seedbed Preparation, Seed & Seeding, Native	\$ 351.64 /	Acre	x	= \$
342	Critical Area Planting - Seedbed Preparation, Seed & Seeding, Non-Native	\$ 276.56 /	Acre	x	= \$
561	Heavy Use Area Protection - Gravel	\$ 0.86 /	SqFt	x	= \$
561	Heavy Use Area Protection - Paved	\$ 3.28 /	SqFt	x	= \$
561	Heavy Use Area Protection - Single Lane, Paved	\$ 32.87 /	LnFt	x	= \$

Irrigation Systems

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
441	Irrigation System, Microirrigation - Drip/Trickle/Micro-Spray Orchard	\$ 750.00 /	Acre	x	= \$
441	Irrigation System, Microirrigation - On-Ground PE Tubing/Soaker	\$ 0.15 /	Foot	x	= \$
441	Irrigation System, Microirrigation - Poly Tube, Low Volume, Perennial Vegetation	\$ 175.00 /	Acre	x	= \$
441	Irrigation System, Microirrigation - Drip/T-Tape Annual Row Crops	\$ 175.00 /	Acre	x	= \$
442	Irrigation System, Sprinkler - Big Gun, Large	\$ 600.00 /	Each	x	= \$
442	Irrigation System, Sprinkler - Big Gun, Medium	\$ 500.00 /	Each	x	= \$
442	Irrigation System, Sprinkler - Big Gun, Small	\$ 400.00 /	Each	x	= \$
442	Irrigation System, Sprinkler - Big Gun, Traveler	\$ 18,500.00 /	Each	x	= \$
442	Irrigation System, Sprinkler - Center Pivot	\$ 325.00 /	Acre	x	= \$
442	Irrigation System, Sprinkler - Hand Line	\$ 47.50 /	Stick	x	= \$
442	Irrigation System, Sprinkler - K-Line	\$ 87.45 /	Pod	x	= \$
442	Irrigation System, Sprinkler - Linear Move	\$ 450.00 /	Acre	x	= \$
442	Irrigation System, Sprinkler - Solid Set	\$ 1,634.93 /	Acre	x	= \$
442	Irrigation System, Sprinkler - Wheel Line	\$ 257.00 /	Acre	x	= \$
447	Irrigation System, Tailwater Recovery System	\$ 2.33 /	CuYd	x	= \$

Irrigation Systems (continued)

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - HDPE, 10-12"	\$ 9.47 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - HDPE, 15-18"	\$ 17.19 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - HDPE, 24-36"	\$ 58.93 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - HDPE, 6-8"	\$ 5.66 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - PVC, 12-15"	\$ 9.61 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - PVC, 1-3"	\$ 1.61 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - PVC, 15"+	\$ 13.13 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - PVC, 4-6"	\$ 2.75 /	Foot	x	= \$
430DD	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - PVC, 8-10"	\$ 5.18 /	Foot	x	= \$
430EE	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - Low Pressure, PVC, 12-24"	\$ 15.48 /	Foot	x	= \$
430EE	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - Low Pressure, PVC, 1-3"	\$ 1.54 /	Foot	x	= \$
430EE	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - Low Pressure, PVC, 24"+	\$ 19.67 /	Foot	x	= \$
430EE	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - Low Pressure, PVC, 4-6"	\$ 2.45 /	Foot	x	= \$
430EE	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic - Low Pressure, PVC, 8-10"	\$ 4.35 /	Foot	x	= \$
431	Irrigation Water Conveyance, Pipeline, Rigid Gated Pipeline - PVC, 10-12"	\$ 6.00 /	Foot	x	= \$
431	Irrigation Water Conveyance, Pipeline, Rigid Gated Pipeline - PVC, 6-8"	\$ 4.50 /	Foot	x	= \$
449	Irrigation Water Management - Intense	\$ 30.00 /	Acre	x	= \$
449	Irrigation Water Management - Non-intense	\$ 20.00 /	Acre	x	= \$
516	Pipeline	\$ 1.45 /	Foot	x	= \$

Livestock Management

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
382	Fence - Barbed Wire	\$ 1.32 /	Foot	x	= \$
382	Fence - Electric Wire	\$ 0.76 /	Foot	x	= \$
382	Fence - Electric Wire, Temp	\$ 0.19 /	Foot	x	= \$
382	Fence - Smooth Wire	\$ 0.95 /	Foot	x	= \$
382	Fence - Woven Wire	\$ 3.40 /	Foot	x	= \$
512	Pasture and Hay Planting - Seedbed Preparation, Seed & Seeding, Native	\$ 89.38 /	Acre	x	= \$
512	Pasture and Hay Planting - Seedbed Preparation, Seed & Seeding, Non-Native	\$ 73.93 /	Acre	x	= \$

Pest Management

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
595	Pest Management - Cropland - High	\$ 30.00 /	Acre	x	= \$
595	Pest Management - Cropland - Low	\$ 10.00 /	Acre	x	= \$
595	Pest Management - Cropland - Moderate	\$ 20.00 /	Acre	x	= \$
595	Pest Management - Irr Cropland/Hayland - High	\$ 30.00 /	Acre	x	= \$
595	Pest Management - Irr Cropland/Hayland - Low	\$ 10.00 /	Acre	x	= \$
595	Pest Management - Irr Cropland/Hayland - Moderate	\$ 20.00 /	Acre	x	= \$
595	Pest Management - Orchard/Vineyard - High	\$ 200.00 /	Acre	x	= \$
595	Pest Management - Orchard/Vineyard - Low	\$ 60.00 /	Acre	x	= \$
595	Pest Management - Orchard/Vineyard - Moderate	\$ 160.00 /	Acre	x	= \$
595	Pest Management - Orchard/Vineyard, NC-OR, High	\$ 400.00 /	Acre	x	= \$
595	Pest Management - Orchard/Vineyard, NC-OR, Low	\$ 100.00 /	Acre	x	= \$
595	Pest Management Orchard/Vineyard, NC-OR, Moderate	\$ 200.00 /	Acre	x	= \$

Prescribed Burning

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
528	Prescribed Grazing - Intense	\$ 1.50 /	AUM	x	= \$
528	Prescribed Grazing - Non-intense	\$ 1.00 /	AUM	x	= \$

Technical Assistance

Code	Practice Name / Component	Anticipated Payment
912	Technical Assistance - Application	\$
913	Technical Assistance - Construction Check-Out	\$
911	Technical Assistance - Design	\$
910	Technical Assistance - Planning	\$

Waste Management, Treatment and Utilization

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
590	Nutrient Management - Cropland/Hay/Pasture - Intense	\$ 20.00 /	Acre	x	= \$
590	Nutrient Management - Cropland/Hay/Pasture - Non Intense	\$ 10.00 /	Acre	x	= \$
590	Nutrient Management - Irr. Crop/high value - Intense	\$ 30.00 /	Acre	x	= \$
590	Nutrient Management - Irr. Crop/high value - Non Intense	\$ 20.00 /	Acre	x	= \$

Water Control and Management

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
533	Pumping Plant - Livestock Water Pump	\$ 262.50 /	Each	x	= \$
533	Pumping Plant - Livestock Water Pump, Electric	\$ 1,450.00 /	Each	x	= \$
533	Pumping Plant - Pump	\$ 110.04 /	HP	x	= \$
533	Pumping Plant - Pump Station	\$ 315.00 /	Each	x	= \$
533	Pumping Plant - Solar Panel System	\$ 3,045.00 /	Each	x	= \$
533	Pumping Plant - Variable Frequency Drive	\$ 158.39 /	HP	x	= \$
533	Pumping Plant - Windmill	\$ 400.86 /	MillFt	x	= \$
587	Structure for Water Control - Automatic Flush Filters	\$ 18.00 /	GPM	x	= \$
587	Structure for Water Control - Culverts	\$ 1.25 /	CFS	x	= \$

Water Control and Management (continued)

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
587	Structure for Water Control - Drop Inlets	\$ 28.33 /	CFS x	=	\$
587	Structure for Water Control - Flap Gate <24"	\$ 750.00 /	Each x	=	\$
587	Structure for Water Control - Flap Gate >48"	\$ 4,000.00 /	Each x	=	\$
587	Structure for Water Control - Flap Gate 28-36"	\$ 1,500.00 /	Each x	=	\$
587	Structure for Water Control - Flow Meter, <4"	\$ 350.00 /	Each x	=	\$
587	Structure for Water Control - Flow Meter, 10-12"	\$ 500.00 /	Each x	=	\$
587	Structure for Water Control - Flow Meter, 14"+	\$ 600.00 /	Each x	=	\$
587	Structure for Water Control - Flow Meter, 6-8"	\$ 425.00 /	Each x	=	\$
587	Structure for Water Control - Flumes	\$ 42.50 /	CFS x	=	\$
587	Structure for Water Control - In-Line Filters	\$ 5.00 /	GPM x	=	\$
587	Structure for Water Control - Instream, Rock Chutes	\$ 10,000.00 /	Each x	=	\$
587	Structure for Water Control - Instream, Rock Chutes	\$ 10,000.00 /	Each x	=	\$
587	Structure for Water Control - Regulation Structure	\$ 2,000.00 /	Each x	=	\$
587	Structure for Water Control - Screw Gate	\$ 350.00 /	Each x	=	\$
587	Structure for Water Control - Simple Slide Gate	\$ 50.00 /	Each x	=	\$
587	Structure for Water Control - Siphons	\$ 45.00 /	CFS x	=	\$
587	Structure for Water Control - Sump	\$ 2,000.00 /	Each x	=	\$
587	Structure for Water Control - Turbulant Fountain Filters	\$ 6.25 /	GPM x	=	\$
587	Structure for Water Control - Water Control, Gabion	\$ 12.59 /	CuYd x	=	\$
614	Watering Facility - Tank or Trough	\$ 1.35 /	Gallon x	=	\$

Other Practices

Code	Practice Name / Component	Cost / Unit	Unit	Units Enrolled	Anticipated Payment
560	Access Road - 40' Bridge	\$ 17,760.00 /	Each x	=	\$
560	Access Road - 90' Bridge	\$ 23,760.00 /	Each x	=	\$
560	Access Road - Arch Culvert	\$ 2.19 /	DialnFt x	=	\$
560	Access Road - Culvert, 12-48"	\$ 1.77 /	DialnFt x	=	\$
560	Access Road - Culvert, 48-96"	\$ 2.23 /	DialnFt x	=	\$
560	Access Road - Culvert, 96"+	\$ 2.32 /	DialnFt x	=	\$
560	Access Road - Single Lane, Gravel	\$ 11.76 /	Foot x	=	\$
450	Polyacrylamides - PAM	\$ 10.00 /	Acre x	=	\$

Description of Units

Acre	Acre
AU	Animal Unit
AUM	Animal Unit Month
CFS	Cubic Feet per Second
CuYd	Cubic Yards
DialnFt	Diameter Linear Foot
Each	Each
Gallon	Gallons
GPM	Gallons per Mminute
Head	Each Cow
HP	Horse Power
LnFt	Linear Foot
MillFt	Windmill Foot (blade size)
Pod	Plastic tub holding one sprinkler
SqFt	Square Foot
Stick	Handline Section
Ton	Tons

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