

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: S.Y. (Square Yards), M.S.F. (1,000 Square Feet), S.F. (Square Feet), L.F. (Linear Feet), C.Y. (Cubic Yard), EA. (Each), HR. (Hour), L.C.Y. (100 Cubic Yards), V.F. (Vertical Feet), B.F. (Board Feet), M.B.F. (1,000 Board Feet)

PL-566

Number	Item	Unit	058
1.2.1	0-10-40- .2 boron	TON	\$252.00
1.2.2	10-10-10	TON	\$196.50
1.2.3	10-10-10 (50 lb bags)	TON	\$226.65
1.2.4	10-20-10	TON	\$242.35
1.2.5	14-30-15 (corn starter)	TON	\$287.00
1.2.6	14-30-15 corn starter	TON	\$315.38
1.2.7	23-12-18	TON	\$296.90
1.2.8	Ammonium sulfate (NH4) 2S04 0-0-20 w/24% sulfur	TON	\$385.00
1.2.9	DAP 18-46-0	TON	\$307.00
1.2.10	Foliar nutrient application on vegetables, (not including equipment)	ACRE	\$15.00
1.2.11	Hi-Mag lime	TON	\$45.00
1.2.12	Lime (bulk) Not including trucking or spreading	TON	\$13.25
1.2.13	Lime (calcium) delivered and spread	TON	\$32.75
1.2.14	Lime (calcium) in 50# bags	TON	\$100.00
1.2.15	Lime-Ash	TON	\$28.00
1.2.16	MAP 11-52-0	TON	\$290.00
1.2.17	Nitrogen (chemical)	LB	\$0.33
1.2.18	Organic Soil Amendments - Chilean Nitrate 16-0-0	TON	\$466.00
1.2.19	Organic Soil Amendments - Nitrogen	LB	\$1.49
1.2.20	Organic Soil Amendments - Phosphate rock 0-30-0 (6-8%available)	TON	\$296.00
1.2.21	Organic Soil Amendments - Phosphorus (plant available form)	LB	\$1.70
1.2.22	Organic Soil Amendments - Potassium	LB	\$0.79
1.2.23	Organic Soil Amendments - Sulphate of Potash 0-0-52	TON	\$607.00
1.2.24	Organic Soil Amendments - Sul-Po-Mag 0-0-22 11Mg, 22S	TON	\$487.00
1.2.25	Phosphorus	LB	\$0.26
1.2.26	Potash 0-0-60	TON	\$223.00
1.2.27	Potassium	LB	\$0.14
1.2.28	Urea 46-0-0	TON	\$309.00
1.2.29	Herbicides, cost per acre (for corn)	ACRE	\$29.60
1.2.30	Soil test, (standard agricultural soil test)	EA.	\$15.00
1.3.1	"Conservation Mix"	LB.	\$2.00
1.3.3	"Pasture Mix" (Typical Cool Season) (organic)	LB.	\$3.70
1.3.5	Alfalfa	LB.	\$2.50
1.3.6	Alfalfa (leaf hopper resistant)	LB.	\$3.17
1.3.7	Alfalfa (organic)	LB.	\$3.20
1.3.8	Annual ryegrass	LB.	\$0.70

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Number	Item	Unit	058
1.3.10	Barley (organic)	LB.	\$0.36
1.3.11	Birdsfoot trefoil	LB.	\$3.00
1.3.13	Buckwheat (organic)	LB.	\$1.30
1.3.14	Chickory (organic)	LB.	\$6.70
1.3.15	Clover - Alsike	LB.	\$1.45
1.3.16	Clover - Alsike (organic)	LB.	\$3.25
1.3.17	Clover - Dutch white (organic)	LB.	\$2.60
1.3.18	Clover - Ladino	LB.	\$3.15
1.3.19	Clover - Mammoth red	LB.	\$1.75
1.3.20	Clover - Red	LB.	\$1.65
1.3.21	Clover - Red (organic)	LB.	\$4.15
1.3.22	Clover - White	LB.	\$3.10
1.3.23	"Pasture Mix" (Typical Cool Season)	LB.	\$2.50
1.3.24	Creeping Red Fescue	LB.	\$1.25
1.3.26	Hairy Vetch	LB.	\$1.95
1.3.27	Hairy Vetch (organic)	LB.	\$2.45
1.3.28	Kentucky Bluegrass	LB.	\$1.65
1.3.30	Millet, Japanese	LB.	\$1.00
1.3.32	Oats, bulk	LB.	\$0.20
1.3.33	Oats (organic)	LB.	\$0.35
1.3.34	Orchardgrass	LB.	\$1.80
1.3.35	Orchardgrass (organic)	LB.	\$3.05
1.3.36	Perrenial Ryegrass (Pennfine)	LB.	\$1.25
1.3.37	Rape (organic)	LB.	\$0.79
1.3.38	Reed Canarygrass (requires approval)	LB.	\$2.55
1.3.39	Smooth Bromegrass	LB.	\$1.80
1.3.40	Sudangrass (organic)	LB.	\$0.72
1.3.41	Tall Fescue (Ky-31) (requires approval)	LB.	\$1.70
1.3.42	Tall Fescue (Low Endophyte) (requires approval)	LB.	\$1.50
1.3.43	Tall fescue (Low Endophyte) (organic) (requires approval)	LB.	\$3.10
1.3.44	Timothy	LB.	\$1.35
1.3.45	Timothy (organic)	LB.	\$2.40
1.3.46	Triticale (organic)	LB.	\$0.77
1.3.47	Wetland Mix	LB.	\$55.00
1.3.48	Wildflower mix	LB.	\$35.00
1.3.50	Winter Cereal Rye (in 50 lb bulk bags)	LB.	\$0.23

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Number	Item	Unit	058
1.3.51	Winter Cereal Rye (organic)	LB.	\$0.50
1.3.53	Barley	LB.	\$0.25
1.3.54	Buckwheat	LB.	\$0.60
1.3.55	Creeping Fox Tail	LB.	\$6.25
1.3.56	Millet, Japanese (Organic)	LB.	\$1.50
1.3.57	Perrenial Ryegrass (Organic)	LB.	\$2.65
1.3.58	Perrenial Pea	LB.	\$20.00
1.3.59	Rape	LB.	\$1.10
1.3.60	Red Top	LB.	\$4.20
1.3.61	Sudangrass	LB.	\$0.40
1.3.62	Triticale	LB.	\$0.26
1.3.63	Inoculants (treats 50-60 lbs of legme)	PKG	\$3.70
1.4.1	Big Bluestem	LB.	\$12.00
1.4.2	Deertongue	LB.	\$16.00
1.4.3	Indiangrass	LB.	\$12.00
1.4.4	Little Bluestem	LB.	\$15.50
1.4.6	Sand Lovegrass	LB.	\$9.25
1.4.7	Switchgrass	LB.	\$7.85
1.13.1	Mulch, hay -- hand applied	ACRE	\$516.00
1.13.2	Mulch, hay, 1" deep, power mulcher, small	M.S.F.	\$78.55
1.13.3	Mulch, hay, 1" deep, power mulcher, large	M.S.F.	\$75.36
1.13.8	Hydroseeding / Mulching on critical area	ACRE	\$1,913.00
1.13.9	Mulch, straw -- cost per 40 lb bale	EA.	\$5.20
1.13.10	Wood chips	S.Y.	\$1.12
1.14.1	Seed, Lime, Fertilize & Mulch VT Spec. #52	ACRE	\$983.83
1.14.2	Broadcasting Seed (not including seed)	ACRE	\$10.40
1.14.3	Broadcasting Seed, (by hand) (Not including seed)	ACRE	\$10.50
1.14.4	Seeding, limestone, 50 lbs per M.S.F., hand push spreader	M.S.F.	\$5.73
1.14.5	Seeding, grass seed, 4.5 lbs per M.S.F., hand push spreader	M.S.F.	\$21.18
1.15.1	Conservation Cover (327)-plow, harrow, lime, NPK, weed spray & seed	ACRE	\$152.20
1.15.2	Contour Buffer Strips (332)-plow, harrow, orchardgrass & clover	ACRE	\$74.07
1.15.3	Contour Farming (330)-plow & harrowing	ACRE	\$26.21
1.15.5	Critical Area Planting (393)-plow, harrow, lime, NPK, & seed	ACRE	\$315.16
1.15.6	Critical Area Planting(2) (393)-plow, harrow, lime, NPK, & consv. mix	ACRE	\$249.95
1.15.7	Field Border (386)-plow, harrow,lime, NPK & seed	ACRE	\$188.52
1.15.8	Filter Strip (Agronomic 393)-plow, harrow, lime, NPK, & consv. mix	ACRE	\$198.81

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Number	Item	Unit	058
1.15.9	Pasture & Hayland Planting (512)-plow, harrow,lime, NPK & seed	ACRE	\$232.97
1.15.10	Pasture & Hayland Planting(2) (512)-plow, harrow, NPK & seed	ACRE	\$149.90
1.15.11	Pasture & Hayland Planting(3) (512)-organic NPK and clover	ACRE	\$158.20
1.15.12	Residue Mngt (Mulch Till) (329B) - chisel plow	ACRE	\$15.14
1.15.13	Residue Management (No Till/Strip Till) (329A)-no till and spraying	ACRE	\$51.72
1.15.14	Riparian Herbaceous Buffer (390) - plow, harrow, lime, NPK & conser. Mix	ACRE	\$198.81
1.15.15	Riparian Herbaceous Buffer(2) (390) - spray, no-till and seed	ACRE	\$154.81
1.18.1	Site preparation - mechanical	ACRE	\$100.00
1.18.2	Site preparation- chemical	ACRE	\$200.00
1.18.3	Tree or shrub, deciduous - 1-2 ft bare root	EA.	\$1.00
1.18.4	Tree or shrub, deciduous - 2-3 ft bare root	EA.	\$2.00
1.18.5	Tree or shrub, deciduous - 3-4 ft bare root	EA.	\$2.50
1.18.6	Tree or shrub, deciduous - 4-5 ft bare root	EA.	\$5.00
1.18.7	Tree or shrub, conifer - 1-2 ft bare root	EA.	\$2.00
1.18.8	Tree or shrub, conifer - 2-3 ft bare root	EA.	\$4.00
1.18.9	Tree or shrub, conifer - 3-4 ft bare root	EA.	\$6.00
1.18.10	Tree or shrub, conifer - 4-5 ft bare root	EA.	\$8.00
1.18.11	Tree or shrub, deciduous - 6-8 ft balled root	EA.	\$12.00
1.18.12	Tree or shrub, deciduous - 8-10 ft balled root	EA.	\$15.00
1.18.13	Tree or shrub, deciduous - 10-12 ft balled root	EA.	\$20.00
1.18.14	Tree or shrub, conifer - 3-4 ft balled root	EA.	\$8.00
1.18.15	Tree or shrub, conifer - 4-5 ft balled root	EA.	\$12.00
1.18.16	Tree or shrub, conifer - 5-6 ft balled root	EA.	\$20.00
1.18.17	Tree or shrub, conifer - 6-8 ft balled root	EA.	\$35.00
1.18.18	Tree or shrub - 1-2 ft bare root, native	EA.	\$2.50
1.18.19	Tree or shrub - 3-5 ft bare root, native	EA.	\$3.50
1.18.20	Tree or shrub - 5-7 ft bare root, native	EA.	\$4.50
1.18.21	Tublings, 6" conifers	EA.	\$0.50
1.18.22	Tublings, 6" native	EA.	\$2.00
1.18.23	Tree protectors with ties	EA.	\$1.00
1.18.24	Brush mats with staples - 2x2 ft	EA.	\$0.70
1.18.25	Brush mats with staples - 3x3 ft	EA.	\$1.00
1.18.26	Stakes - 4 ft hardwood	EA.	\$0.50
1.18.27	Labor - planting tree or shrub only	EA.	\$2.00
1.18.28	Labor - planting tree or shrub with protector, mat and stake	EA.	\$4.00
1.18.29	Tree or Shrub, labor, protector, mat and stake	EA.	\$8.70

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Number	Item	Unit	058
1.18.30	Forestry, Timber Stand Improvement (TSI) girdling	ACRE	\$100.00
1.18.31	Forestry, Timber Stand Improvement (TSI) Marking	ACRE	\$30.00
1.18.32	Forestry, Timber Stand Improvement (TSI), Brush saw	ACRE	\$159.00
1.18.33	Forestry, Timber Stand Improvement (TSI), chain saw	ACRE	\$150.00
2.1.1	Asphalt, parking lots & driveways, binder course, 3" thick	S.F.	\$1.40
2.1.2	Asphalt, parking lots & driveways, binder course, 4" thick	S.F.	\$1.84
2.1.3	Asphalt, parking lots & driveways, binder course, 2" thick	S.F.	\$0.88
2.1.4	Asphalt, parking & driveway, 6" stone base, 2" binder course, 1" topping	S.F.	\$2.71
2.1.5	Asphalt, parking lots & driveways, sand finish course, 3/4" thick	S.F.	\$0.41
2.1.6	Asphalt, parking lots & driveways, sand finish course, 1" thick	S.F.	\$0.49
2.1.7	Saw cutting, asphalt, up to 3" deep	L.F.	\$1.12
2.1.8	Saw cutting, asphalt, over 1000', each additional inch of depth over 3"	L.F.	\$0.53
2.1.9	Fine grade, small area, to be paved with grader	S.Y.	\$3.20
2.1.10	Fine grade, for roadway, large area, 6,000 S.Y. or more	S.Y.	\$0.64
2.4.2	Pumping, Concrete, Footings & Slabs, 18.75cy/hr (include drive time)	HR.	\$162.09
2.4.3	Pumping, Concrete, Walls, 12.5cy/hr (include drive time)	HR.	\$162.09
2.5.0	Unreinforced Concrete	C.Y.	\$127.23
2.8.2	Hopper, Precast, 6' dia. x 6' deep, delivered, no excavation	EA.	\$1,945.08
2.8.3	Hopper, Precast, 6' dia. x 8' deep, delivered, no excavation	EA.	\$2,307.26
2.8.4	Conc. Hopper, 6'x6'x8', 8" Wall & Floor, No Exc. or Drainage, 6" Drainfill	E.A.	\$4,075.03
2.9.1	Curb, Concrete, 6"x24"h, 3000psi, #4 @ 12" E.W., Curing compd. (LF)	L.F.	\$25.25
2.9.2	Curb, Concrete, 6"x12"h, 3000psi, #4 @ 12" E.W., Curing compd. (LF)	L.F.	\$15.67
2.9.3	Curb, Concrete, 8"x12"h, 3000psi, #4 @ 12" E.W., Curing compd. (LF)	L.F.	\$16.34
2.9.4	Slab, Concrete, 4", 3000psi, Curing compd., saw 10' o.c.	C.Y.	\$172.21
2.9.5	Curb, Concrete, 8"x24"h, 3000psi, #4 @ 12" E.W., Curing compd. (LF)	L.F.	\$26.74
2.9.6	Curb, Concrete, Speed Bump, 3000psi, #4 @ 12" E.W., Curing compd. (LF)	L.F.	\$16.34
2.9.8	Concrete finishing, floor, dustproofing, epoxy-based, clear, 1 coat	S.F.	\$0.41
2.9.9	Concrete finishing, floor, dustproofing, epoxy-based, clear, 2 coats	S.F.	\$0.57
2.9.10	Slab, Concrete, 4", 3000psi, WWF, Curing compd., saw 10' o.c.	C.Y.	\$213.65
2.9.11	Slab, Concrete, 5", 3000psi, Curing compd., #4@18" e.w.	C.Y.	\$285.36
2.9.14	Concrete finishing, walls, includes breaking ties and patching voids	S.F.	\$0.70
2.9.15	Construction Joint - floor, sawed, backer rod and waterstop	EA.	\$3.69
2.10.1	4'-8' Conc. Wall, 3000 psi, 8" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$463.95
2.10.2	4'-8' Conc. Wall, 3000 psi, 8" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$489.85
2.10.3	4'-8' Conc. Wall, 3000 psi, 8" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$487.02
2.10.4	4'-8' Conc. Wall, 3000 psi, 8" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$525.87

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2.10.5	4'-8' Conc. Wall, 4000 psi, 8" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$469.13
2.10.6	4'-8' Conc. Wall, 4000 psi, 8" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$495.02
2.10.7	4'-8' Conc. Wall, 4000 psi, 8" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$492.19
2.10.8	4'-8' Conc. Wall, 4000 psi, 8" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$531.04
2.10.9	10' Conc. Wall, 3000 psi, 10" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$503.24
2.10.10	10' Conc. Wall, 3000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$524.73
2.10.11	10' Conc. Wall, 3000 psi, 10" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$521.32
2.10.12	10' Conc. Wall, 3000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$553.72
2.10.13	10' Conc. Wall, 4000 psi, 10" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$508.42
2.10.14	10' Conc. Wall, 4000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$529.90
2.10.15	10' Conc. Wall, 4000 psi, 10" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$526.49
2.10.16	10' Conc. Wall, 4000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$558.89
2.10.17	12' Conc. Wall, 3000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$522.38
2.10.18	12' Conc. Wall, 4000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$527.55
2.10.19	12' Conc. Wall, 3000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$553.72
2.10.20	12' Conc. Wall, 4000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$558.89
2.11.1	Concrete Footing, 10" thick, > 3' wide, reinforced, #4 & #5	C.Y.	\$402.42
2.11.2	Concrete Footing, 10" thick, < 3' wide, reinforced, #4 E.W. Typ.	C.Y.	\$432.12
2.12.1	Waterstop, PVC or Bentonite type	L.F.	\$2.78
2.12.2	4" Pipe Seal, modular, i.e. Linkseal - material cost only	EA.	\$187.65
2.13.1	Demolition-footing, floor, concrete slab on grade, plain concrete, 4" thick	S.F.	\$3.57
2.13.2	Demolition-footings, floors, concrete slab on grade, concrete, wwf, 4" thick	S.F.	\$3.79
2.13.3	Demolition-footings, floors, concrete slab on grade, plain concrete, 6" thick	S.F.	\$4.76
2.13.4	Demolition-footings, floors, concrete slab on grade, concrete, wwf, 6" thick	S.F.	\$5.26
2.13.5	Minor demolition, slab on grade, plain, remove, excludes hauling	C.Y.	\$63.35
2.13.6	Minor demolition, slab on grade , wwf, 8" thick, remove, exc. hauling	C.Y.	\$86.48
2.13.7	Minor demolition, slab on grade , rebar, 8" thick, remove, exc. hauling	C.Y.	\$114.58
2.13.8	Cutout demolition, slab on grade, non-reinforced, to 6" thick, under 8 S.F., excludes loading and disposal	S.F.	\$20.99
2.13.9	Cutout demolition, slab on grade, non-reinforced, to 6" thick, 8-16 S.F., excludes loading and disposal	S.F.	\$10.25
2.13.10	Saw cutting, concrete slabs, mesh reinforcing, per inch of depth to 3" deep	L.F.	\$1.29
2.13.11	Saw cutting, concrete slab, rebar, each additional inch of depth over 3"	L.F.	\$0.66
2.14.0	Block, Concrete, 2'x2'x4'	EA.	\$39.77
2.14.1	Block, Concrete, 2'x2'x6'	EA.	\$61.35
2.15.0	Fibrous reinforcing, synthetic fibers, add to concrete, 1-1/2 lb. per C.Y.	C.Y.	\$5.73
2.15.1	Concrete testing, compressive strength test, incl. delivery to lab per cylinder	Ea.	\$14.95
2.15.2	Concrete testing, compressive strength test, incl. picked up by lab, average	Ea.	\$23.00

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2.15.3	Fibrous reinforcing, steel fibers, add to concrete, 25 lb. per C.Y.	C.Y.	\$10.72
2.15.4	Winter Protection, for heated ready mix, includes material only, add, max.	C.Y.	\$6.37
2.15.5	Winter Protection, for heated ready mix, includes material only, add, min.	C.Y.	\$5.10
2.15.6	Winter Protection, protecting concrete and temp heat	M.S.F.	\$174.61
2.15.8	Winter Protection, temp. shelter, slab on grade, wood frame and poly, max.	M.S.F.	\$613.09
2.15.9	Winter Protection, temp. shelter, slab on grade, wood frame and poly, min.	M.S.F.	\$377.67
3.1.0	Chisel Plow	ACRE	\$16.40
3.1.1	Disk Plow	ACRE	\$15.70
3.1.2	Harrowing	ACRE	\$12.70
3.1.3	Disc Harrow in tandem w/cultipacker	ACRE	\$15.25
3.1.4	Molboard plow (stubble)	ACRE	\$17.60
3.1.5	Molboard plow (sod)	ACRE	\$21.15
3.1.6	Cultipaking (14')	ACRE	\$15.75
3.1.7	Cultivating	ACRE	\$11.80
3.1.8	Conventional Seeding (alfalfa, clover, etc., not including seed)	ACRE	\$15.40
3.1.9	No-till drill	ACRE	\$17.43
3.1.10	Frost seeding legumes (Including 2 ton lime, fertilizer K, seed)	ACRE	\$158.00
3.1.11	Disking, Tandem	ACRE	\$13.00
3.1.12	Manure spreading (liquid manure)	HR.	\$67.70
3.1.13	Manure pumping	HR.	\$33.20
3.1.14	Manure loading	HR.	\$48.40
3.1.15	Deep plowing (10" or more)	ACRE	\$19.00
3.1.16	Rotary Mower	HR.	\$10.70
3.1.17	No-till planter	ACRE	\$13.00
3.1.18	Side dressing (fertilizer not included)	ACRE	\$9.20
3.1.19	Spreading bulk liquid fertilizer (not including fertilizer)	ACRE	\$9.10
3.2.1	Mowing Hay	ACRE	\$14.15
3.2.2	Mowing/conditioning	ACRE	\$14.60
3.2.3	Raking Hay	ACRE	\$9.65
3.3.1	Manure spreading (solid manure)	HR.	\$48.50
3.3.2	Spreading Lime (lime not included)	ACRE	\$10.60
3.3.3	Spreading bulk dry fertilizer (not including fertilizer)	ACRE	\$8.30
3.3.4	Spraying for weed control (chemicals not included)	ACRE	\$9.00
3.4.1	Farm tractor with implement, labor, fuel (65 hp or less)	HR.	\$47.25
3.4.2	Farm tractor with implement, labor, fuel (140 hp)	HR.	\$73.50
3.4.3	Farm tractor with implement, labor, fuel (225 hp)	HR.	\$105.00

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
4.1.1	Diversion or Waterway, Grassed	L.F.	\$4.53
4.1.2	Diversion or Waterway, Grassed, w/ Erosion Control Netting	L.F.	\$5.61
4.1.3	Diversion or Waterway, Stone Centered	L.F.	\$21.17
4.2.4	Riser, perforated, for diversion or terrace 6" SDR 35	EA.	\$216.81
4.2.5	Riser, perforated, for diversion or terrace 8" SDR 35	EA.	\$408.31
4.2.6	Riser, perforated, for diversion or terrace 10" SDR 35	EA.	\$933.29
4.3.1	Grate, 24" dia., Cast Iron w/ Ears	EA.	\$180.52
4.4.1	Bar Guard, 6" Heavy Duty, Trash Rack	EA.	\$27.14
4.4.2	Bar Guard, 8" Heavy Duty, Trash Rack	EA.	\$32.97
4.4.3	Bar Guard, 12" Heavy Duty, Trash Rack	EA.	\$44.54
4.4.4	Bar Guard, 18" Heavy Duty, Trash Rack	EA.	\$78.49
4.4.5	Bar Guard, 24" Heavy Duty, Trash Rack	EA.	\$117.58
5.1.1	Borrow, 1.5" Crushed Stone, 5 mile round trip (0.6 hrs)	C.Y.	\$17.57
5.1.2	Borrow, 1.5" Crushed Stone, 10 mile round trip (0.8 hrs)	C.Y.	\$18.79
5.1.3	Borrow, 1.5" Crushed Stone, 20 mile round trip (1.2 hrs)	C.Y.	\$21.24
5.1.4	Borrow, 3/4" Crushed Stone, 5 mile round trip (0.6 hrs)	C.Y.	\$19.57
5.1.5	Borrow, 3/4" Crushed Stone, 10 mile round trip (0.8 hrs)	C.Y.	\$20.79
5.1.6	Borrow, 3/4" Crushed Stone, 20 mile round trip (1.2 hrs)	C.Y.	\$23.25
5.1.7	Borrow, Bank Run Gravel, 5 mile round trip (0.6 hrs)	C.Y.	\$13.24
5.1.8	Borrow, Bank Run Gravel, 10 mile round trip (0.8 hrs)	C.Y.	\$14.46
5.1.9	Borrow, Bank Run Gravel, 20 mile round trip (1.2 hrs)	C.Y.	\$16.91
5.1.10	Borrow, Common Fill-incl. Clay, 5 mile round trip (0.6 hrs)	C.Y.	\$10.88
5.1.11	Borrow, Common Fill-incl. Clay, 10 mile round trip (0.8 hrs)	C.Y.	\$12.10
5.1.12	Borrow, Common Fill-incl. Clay, 20 mile round trip (1.2 hrs)	C.Y.	\$14.56
5.1.13	Borrow, Washed Mfg. Sand, 5 mile round trip (0.6 hrs)	C.Y.	\$20.01
5.1.14	Borrow, Washed Mfg. Sand, 10 mile round trip (0.8 hrs)	C.Y.	\$21.23
5.1.15	Borrow, Washed Mfg. Sand, 20 mile round trip (1.2 hrs)	C.Y.	\$23.68
5.1.16	Borrow, Bank Sand, 5 mile round trip (0.6 hrs)	C.Y.	\$13.24
5.1.17	Borrow, Bank Sand, 10 mile round trip (0.8 hrs)	C.Y.	\$14.46
5.1.18	Borrow, Bank Sand, 20 mile round trip (1.2 hrs)	C.Y.	\$16.91
5.1.19	Borrow, 3/4" Plant Mix, 5 mile round trip (0.6 hrs)	C.Y.	\$17.13
5.1.20	Borrow, 3/4" Plant Mix, 10 mile round trip (0.8 hrs)	C.Y.	\$18.36
5.1.21	Borrow, 3/4" Plant Mix, 20 mile round trip (1.2 hrs)	C.Y.	\$20.82
5.1.25	Borrow, Rock RipRap, 5 mile round trip (0.6 hrs)	C.Y.	\$17.47
5.1.26	Borrow, Rock RipRap, 10 mile round trip (0.8 hrs)	C.Y.	\$18.70
5.1.27	Borrow, Rock RipRap, 20 mile round trip (1.2 hrs)	C.Y.	\$21.15

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
5.1.28	Borrow, 1.5" Crushed Stone, 30 mile round trip (1.6 hrs)	C.Y.	\$23.69
5.1.29	Borrow, 3/4" Crushed Stone, 30 mile round trip (1.6 hrs)	C.Y.	\$25.70
5.1.30	Borrow, 3/4" Plant Mix, 30 mile round trip (1.6 hrs)	C.Y.	\$23.27
5.1.31	Borrow, 1.5" Plant Mix, 5 mile round trip (0.6 hrs)	C.Y.	\$16.24
5.1.32	Borrow, 1.5" Plant Mix, 10 mile round trip (0.8 hrs)	C.Y.	\$17.46
5.1.33	Borrow, 1.5" Plant Mix, 20 mile round trip (1.2 hrs)	C.Y.	\$19.91
5.1.34	Borrow, 1.5" Plant Mix, 30 mile round trip (1.6 hrs)	C.Y.	\$22.36
5.1.35	Borrow, Bank Run Gravel, 30 mile round trip (1.6 hrs)	C.Y.	\$19.37
5.1.36	Borrow, Bank Sand, 30 mile round trip (1.6 hrs)	C.Y.	\$19.37
5.1.37	Borrow, Common Fill-incl. Clay, 30 mile round trip (1.6 hrs)	C.Y.	\$17.01
5.1.38	Borrow, Rock RipRap, 30 mile round trip (1.6 hrs)	C.Y.	\$23.61
5.1.39	Borrow, Washed Mfg. Sand, 30 mile round trip (1.6 hrs)	C.Y.	\$26.14
5.1.40	Topsoil, weed free, spread with dozer, includes load and haul, approx.15 miles RT.	C.Y.	\$31.40
5.2.1	4" Perf. Field Drain, 4-6' deep, bankrun gravel, incl. Mob	L.F.	\$8.31
5.2.2	4" Perf. Field Drain, 4-6' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$8.63
5.2.4	4" Perf. Field Drain, 7-9' deep, bankrun gravel, incl. Mob	L.F.	\$9.55
5.2.5	6" Perf. Field Drain, 4-6' deep, bankrun gravel, incl. Mob	L.F.	\$9.60
5.2.6	6" Perf. Field Drain, 4-6' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$9.91
5.2.7	6" Perf. Field Drain, 7-9' deep, bankrun gravel, incl. Mob	L.F.	\$10.83
5.2.9	Trench Drain for roof runoff, 2'w x 3' d, stone backfill	L.F.	\$11.06
5.2.10	4" Perf. Footing Drain, stone, geotextile	L.F.	\$4.85
5.2.11	4" Perf. Field Drain, 7-9' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$9.86
5.2.12	6" Perf. Field Drain, 7-9' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$11.14
5.2.13	4" Perf. Field Drain, 12' deep, bankrun gravel, incl. Mob	L.F.	\$15.71
5.2.14	4" Perf. Field Drain, 12' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$16.03
5.3.1	Hauling, Borrow, 2 mi. RT, inc. loading & spread w/ dozer, no mat. \$	L.F.	\$7.35
5.3.2	Hauling, Borrow, 5 mi. RT, inc. loading & spread w/ dozer, no mat. \$	L.F.	\$7.93
5.3.3	Hauling, Borrow, 10 mi. RT, inc. loading & spread w/ dozer, no mat. \$	L.F.	\$9.09
5.3.4	Hauling, Borrow, 20 mi. RT, inc. loading & spread w/ dozer, no mat. \$	L.F.	\$11.41
6.1.5	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	C.Y.	\$1.26
6.1.6	Backfill, trench, 6" to 12" lifts, dozer backfilling, compaction with sheepsfoot roller	C.Y.	\$3.23
6.1.7	Backfill, trench, 6" to 12" lifts, dozer backfilling, compaction with vibrating roller	C.Y.	\$2.97
6.2.1	Excavating, bulk, open site, bank measure, sand & gravel, 105 H.P., 150' haul, dozer	C.Y.	\$3.12
6.2.2	Excavating, bulk, open site, bank measure, common earth, 105 H.P. dozer, 150' haul	C.Y.	\$3.60
6.2.3	Excavating, bulk, open site, bank measure, clay, 105 H.P. dozer, 150' haul	C.Y.	\$5.72
6.2.4	Excavating, bulk, open site, bank measure, sand & gravel, 105 H.P., 300' haul, dozer	C.Y.	\$6.93

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: S.Y. (Square Yards), M.S.F. (1,000 Square Feet), S.F. (Square Feet), L.F. (Linear Feet), C.Y. (Cubic Yard), EA. (Each), HR. (Hour), L.C.Y. (100 Cubic Yards), V.F. (Vertical Feet), B.F. (Board Feet), M.B.F. (1,000 Board Feet)

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Number	Item	Unit	058
6.2.5	Excavating, bulk, open site, bank measure, common earth, 105 H.P. dozer, 300' haul	C.Y.	\$8.08
6.2.6	Excavating, bulk, open site, bank measure, clay, 105 H.P. dozer, 300' haul	C.Y.	\$9.73
6.2.7	Excavating, bulk, open site, bank measure, sand & gravel, 200 H.P., 150' haul, dozer	C.Y.	\$2.56
6.2.8	Excavating, bulk, open site, bank measure, common earth, 200 H.P. dozer, 150' push	C.Y.	\$2.95
6.2.9	Excavating, bulk, open site, bank measure, clay, 200 H.P. dozer, 150' push	C.Y.	\$4.69
6.2.10	Excavating, bulk, open site, bank measure, sand & gravel, 200 H.P., 300' haul, dozer	C.Y.	\$4.91
6.2.11	Excavating, bulk, open site, bank measure, common earth, 200 H.P. dozer, 300' push	C.Y.	\$5.66
6.2.12	Excavating, bulk, open site, bank measure, clay, 200 H.P. dozer, 300' push	C.Y.	\$8.96
6.2.13	Excavating, structural, bank measure, common earth, 1 C.Y. bucket, hydr. backhoe	C.Y.	\$13.14
6.2.14	Excavating, bulk, 1 C.Y. capacity = 75 C.Y./hr, backhoe, hydraulic, crawler mounted	C.Y.	\$2.36
6.2.15	Excavating, bulk, 1-1/2 C.Y. cap. = 100 C.Y./hr, backhoe, hydraulic, crawler mounted	C.Y.	\$2.01
6.2.16	Excavating, bulk, 2 C.Y. cap. = 130 C.Y./hour, backhoe, hydraulic, crawler mounted	C.Y.	\$1.78
6.2.17	Excavating, trench, common earth, 1' to 4' deep, 1/2 C.Y. cap., tractor loader/backhoe	C.Y.	\$5.31
6.2.18	Excavating, trench, 4' to 6' deep, 5/8 C.Y. bucket, hydraulic backhoe	C.Y.	\$5.07
6.2.19	Excavating, trench, 4' to 6' deep, 3/4 C.Y. bucket, expose pipe, hydraulic backhoe	C.Y.	\$4.40
6.2.20	Excavating, trench, 6' to 10' deep, 3/4 C.Y. bucket, hydraulic backhoe	C.Y.	\$5.88
6.2.21	Excavating, trench, 6' to 10' deep, 1 C.Y. bucket, hydraulic backhoe	C.Y.	\$3.54
6.2.22	Excavating, trench, 10' to 14' deep, 1 C.Y. bucket, hydraulic backhoe	C.Y.	\$3.94
6.3.4	Drilling & blasting rock- open face (min. 225 C.Y., max. 1500 C.Y.)	C.Y.	\$11.21
6.3.5	Drilling & blasting rock- w/ blasting mats (min. 175 C.Y., max. 1500 C.Y.)	C.Y.	\$13.74
6.3.6	Drilling & blasting rock-deep hole method (min. 50 C.Y., max. 1500 C.Y.)	C.Y.	\$41.78
6.3.7	Drilling & blasting rock-restricted areas (min. 13 C.Y., max. 1500 C.Y.)	C.Y.	\$153.92
6.3.8	Drilling & blasting rock- boulders, drilled and blasted (min. 100 C.Y.)	C.Y.	\$21.99
6.3.9	Excavation-Rock, ripped w/ dozer	C.Y.	\$17.92
6.5.0	Loam or topsoil, remove and stockpile on site, 200 HP dozer, 6" deep, 300' haul	C.Y.	\$2.94
6.5.1	Loam or topsoil, remove and stockpile on site, 200 HP dozer, 6" deep, 200' haul	C.Y.	\$1.76
6.5.2	Loam or topsoil, F.E. loader, remove, stockpile on site, spread frm pile to rough grade	C.Y.	\$3.39
6.5.3	Stripping and stockpiling, topsoil, clay, dry and soft,adverse conditions, 200 H.P. dozer	C.Y.	\$1.92
6.5.4	Stripping and stockpiling, clay, dry and soft, ideal conditions, 200 H.P. dozer	C.Y.	\$0.95
6.5.5	Stripping, topsoil, sandy loam, adverse cond., 200 H.P. dozer, stripping and stockpile	C.Y.	\$1.32
6.5.6	Stripping, topsoil, sandy loam, ideal conditions, 200 H.P. dozer, stripping & stockpile	C.Y.	\$0.66
6.6.0	Compaction, structural, 5 tons, steel wheel tandem roller	Hr.	\$68.16
6.6.1	Compaction, structural, 10 tons, steel wheel tandem roller	Hr.	\$80.81
6.6.2	Compaction, structural, common fill, 8" lifts, sheepsfoot or wobbly wheel roller	C.Y.	\$1.11
6.6.3	Compaction, structural, common fill, 8" lifts, vibratory plate	C.Y.	\$1.74
6.7.1	Leaching Camber - material cost only	L.F.	\$11.85

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
6.7.2	Distribution box - concrete, 5-7 outlets, excludes excavation or piping	Ea.	\$144.42
6.7.3	Crushed stone for trench, 3/4", excludes excavation, piping & fabric	C.Y.	\$30.55
6.7.4	Pipe - PVC, Perforated, 4" diameter, SDR 35, excludes excavation or backfill	L.F.	\$4.77
6.7.5	Excavate trench for disposal field, 4' wide, w/ backhoe	L.F.	\$3.31
6.7.6	Infiltration Chamber- excav., chamber, stone, pipe, geotextile & backfill included	L.F.	\$29.52
6.8.0	Soil testing, Hydrometer analysis	Ea.	\$138.00
6.8.1	Soil testing, Specific gravity	Ea.	\$55.20
6.8.2	Soil testing, Sieve analysis, washed	Ea.	\$69.00
6.8.3	Soil testing, Moisture content	Ea.	\$11.50
6.8.4	Soil testing, Atterberg limits, liquid and plastic limits	Ea.	\$74.75
6.8.5	Soil testing, permeability, variable or constant head, undisturbed	Ea.	\$287.50
6.8.6	Soil testing, Proctor compaction, 4" standard mold	Ea.	\$155.25
6.8.7	Soil testing, Proctor compaction, 6" modified mold	Ea.	\$86.25
6.8.9	Test pits, loader/backhoe, heavy soil	C.Y.	\$53.43
6.8.10	Test pits, subsurface exploration, mobilization	Mile	\$6.94
6.8.11	Test pits, loader/backhoe, light soil	C.Y.	\$38.01
6.8.12	Testpits for Manure Storage, ~4 pits	L.S.	\$902.73
6.8.13	Soil Testing, waste storage pond-classification & permeability	EA.	\$1,012.00
6.8.14	Soil testing, permeability test, double ring infiltrometer	Ea.	\$632.50
6.9.0	Backhoe (rented), 40-45 Hp, 1/2 CY Capacity, w/ operator	HR.	\$75.47
6.9.1	Backhoe (rented), Large, 100 Hp, 3/4 C.Y. Capacity, w/ operator	HR.	\$82.39
6.9.2	Dozer (rented), Small - Finish Work, 75 Hp, w/ operator	HR.	\$92.23
6.9.3	Dozer (rented), Medium, 105 Hp, w/ operator	HR.	\$114.81
6.9.4	Dozer (rented), Medium, 140 Hp, w/ operator	HR.	\$131.03
6.9.5	Dozer (rented), Large, 200 Hp, w/ operator	HR.	\$186.75
6.9.6	Excavator (rented), Small, 1/2 CY Bucket, w/ operator	HR.	\$98.33
6.9.7	Excavator (rented), Medium, 1.0 CY Bucket, w/ operator	HR.	\$130.07
6.9.8	Excavator (rented), Large, 1.5 CY Bucket, w/ operator	HR.	\$156.17
6.9.10	Excavator (rented), Medium, 3/4 CY Bucket, w/ operator	HR.	\$118.78
6.9.11	Skid Steer Loader (rented), Large, 78 Hp, 1.0 C.Y. Capacity, w/ operator	HR.	\$73.64
6.9.12	Dump Truck (rented), tandum axle, 12 ton capacity, w/ operator	HR.	\$76.68
6.9.13	Dump Truck (rented), tri-axle, 12 ton capacity, w/ operator	HR.	\$97.56
6.9.14	Dump Truck (rented), off-road, 25 ton capacity, w/ operator	HR.	\$176.57
6.9.15	Tandum Dump Truck, hired	HR.	\$65.00
6.9.16	Smooth Drum Vibratory Roller (rented), 125 h.p., w/ operator	HR.	\$132.44
6.9.17	Sheepsfoot Vibratory Roller (rented), 200 h.p., w/ operator	HR.	\$174.06

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: S.Y. (Square Yards), M.S.F. (1,000 Square Feet), S.F. (Square Feet), L.F. (Linear Feet), C.Y. (Cubic Yard), EA. (Each), HR. (Hour), L.C.Y. (100 Cubic Yards), V.F. (Vertical Feet), B.F. (Board Feet), M.B.F. (1,000 Board Feet)

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Number	Item	Unit	058
6.10.1	Mob. or demob. dozer, loader, backhoe or excavator, 70 H.P. to 250 H.P., up to 50 mi.	Ea.	\$217.68
6.10.2	Mob. or demob., dozer, loader, backhoe or excavator, above 250 H.P., up to 50 miles	Ea.	\$321.02
6.10.3	Mobilization or demobilization, for small equipment on flatbed trailer, maximum	Ea.	\$131.93
6.11.1	Dewatering, pumping, 8 hr., attended 2 hours per day, 2" diaphragm pump	Day	\$120.09
6.11.2	Dewatering, pumping, 8 hr., attended 8 hours per day, 2" diaphragm pump	Day	\$484.75
6.12.1	Bedding, for pipe and conduit, crushed or screened bank run gravel, exc. compaction	C.Y.	\$33.53
6.12.2	Bedding, for pipe and conduit, crushed stone, 3/4" to 1-1/2", excludes compaction	C.Y.	\$42.33
6.12.3	Bedding, for pipe and conduit, sand, dead or bank, excludes compaction	C.Y.	\$13.74
6.12.4	Bedding, for pipe and conduit, compacting bedding in trench	C.Y.	\$3.85
6.13.1	Labor, unskilled	HR.	\$15.00
6.13.2	Labor, unskilled w/ chainsaw	HR.	\$20.00
7.1.2	Fence, Electric, 2 strand (Non High Tensile)	L.F.	\$1.29
7.1.4	Fence, Wood, 3 board	L.F.	\$6.50
7.1.6	Fence, Barbed Wire, 3 strand	L.F.	\$2.30
7.1.7	Fence, Barbed Wire, 4 strand	L.F.	\$2.67
7.1.9	Fence, High Tensile, 2 strand	L.F.	\$1.25
7.1.10	Fence, High Tensile, 3 strand	L.F.	\$1.50
7.1.11	Fence, High Tensile, 4 strand	L.F.	\$1.89
7.1.12	Fence, High Tensile, 5 strand	L.F.	\$2.07
7.1.13	Fence, High Tensile, 6 strand	L.F.	\$3.25
7.1.15	Fence, Woven Wire (Pagewire) 4ft	L.F.	\$2.94
7.1.16	Fencing, 19 ga.Stainless Steel Wire, Portable Fencing	L.F.	\$0.05
7.1.17	Fencing, Deer Net, 8ft	L.F.	\$0.65
7.1.18	Fencing, Poly Net (sheep & chickens)	L.F.	\$0.79
7.1.19	Fencing, Poly Wire	L.F.	\$0.04
7.1.20	Fencing, Ribbon Type (horses)	L.F.	\$0.14
7.1.21	Fence, Electric, portable polywire or tape w/ posts	L.F.	\$0.26
7.1.22	Brace, Corner Type, Fence	L.F.	\$132.00
7.1.23	Brace, End Type, Fence	L.F.	\$79.00
7.1.24	Charger, Fence, > 2000ft	L.F.	\$550.00
7.1.25	Charger, Fence, 12V Solar Powered	EA.	\$500.00
7.1.26	Post, Fence, Cedar 6 ft	EA.	\$2.50
7.1.27	Post, Fence, Pressure Treated 4x4x8	EA.	\$12.50
7.1.28	Fencing, Steel Braided Flexible Wire	L.F.	\$0.17
7.1.29	Fence, Lock Link Woven Wire, w/ offset & top electric	L.F.	\$4.50
7.1.30	Handle for Gate	EA.	\$8.00

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
7.1.31	Post Hole Digging	EA.	\$3.15
7.1.32	Fence, Chain Link, 5' high, 1 5/8" posts 10' o.c.	L.F.	\$8.60
7.1.33	Fence, Chain Link, 6' high, 1 5/8" posts 10' o.c.	L.F.	\$12.76
7.2.1	Gate, Fence, light duty	L.F.	\$14.75
7.2.2	Gate, Fence, heavy duty	L.F.	\$17.63
7.2.3	Gate, Fence, Panel Type	EA.	\$175.00
7.2.4	Gate, Fence, Spring Type, 2 Wire	EA.	\$35.00
10.1.1	Geotextile (non-woven)	S.Y.	\$1.45
10.1.3	Geotextile (woven)	S.Y.	\$1.45
10.1.4	Geotextile - Non Woven (drainage), small areas	S.Y.	\$1.44
10.2.2	Geojute (erosion control netting)	S.Y.	\$1.31
10.2.3	Straw Erosion Control Mat	S.Y.	\$1.44
10.3.3	Synthetic 40mil LLDPE Liner, incl. sand cushion, geo., liner & inst.	S.F.	\$1.30
10.4.0	Erosion control, plastic netting, 20 mil, 2" x 1" mesh, stapled	S.Y.	\$1.21
10.4.1	Erosion control, silt fence, polypropylene, adverse conditions, 3' high	L.F.	\$1.07
10.4.2	Erosion control, silt fence, polypropylene, ideal conditions, 3' high	L.F.	\$0.80
10.5.0	Compost cover	S.Y.	\$1.33
11.1.0	Wall Insulation, Rigid, expanded polystyrene, 1" thick, R3.85	S.F.	\$0.72
11.1.1	Wall Insulation, Rigid, expanded polystyrene, 2" thick, R7.69	S.F.	\$1.14
11.1.2	Wall Insulation, Rigid, expanded polystyrene, 3" thick, R11.49	S.F.	\$1.28
12.1.1	Lane, 8' wide, strip, geotextile fabric, 8" gravel, seeding - incl. Mob.	L.F.	\$14.19
12.1.3	Lane, 8' wide, strip, geotextile fabric, 12" gravel, seeding - incl. Mob.	L.F.	\$16.73
12.1.5	Walkway, 4' wide, strip, geotextile fabric, 8" stone.	L.F.	\$8.45
12.3.1	Lane, 12' wide, strip, geotextile fabric, 8" gravel, seeding - incl. Mob.	L.F.	\$16.01
12.3.2	Lane, 12' wide, strip, geotextile fabric, 12" gravel, seeding - incl. Mob.	L.F.	\$19.26
12.3.3	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 12" gravel, seed & Mob.	L.F.	\$18.82
12.3.4	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 12" gravel, seed.	L.F.	\$18.38
12.3.5	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 18" gravel, seed & Mob.	L.F.	\$23.69
12.3.6	Access Road, 12' wide w/ 1' sholders, strip, fabric, 18" gravel, seed.	L.F.	\$23.25
12.3.7	Access Road, 16' wide, strip, geotextile fabric, 12" gravel, seed - incl. Mob.	L.F.	\$24.76
12.3.8	Access Road, 16' wide, strip, geotextile fabric, 12" gravel & seed.	L.F.	\$24.32
12.3.9	Access Road, 16' wide, strip, geotextile fabric, 18" gravel, seed - incl. Mob.	L.F.	\$31.26
12.3.10	Access Road, 16' wide, strip, geotextile fabric, 18" gravel & seed	L.F.	\$30.81
13.1.1	Horizontal boring, 24" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$251.61
13.1.2	Horizontal boring, 36" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$340.41
13.1.4	Horizontal boring, 48" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$414.41

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
13.1.5	For Ledge, horizontal boring, 100' minimum, ADD	L.F.	\$187.47
14.1.3	8" CMP, galvanized uncoated, 20' lengths, 16 ga.,excludes excavation and backfill	L.F.	\$11.39
14.1.4	10" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$13.36
14.1.5	12" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$16.02
14.1.7	18" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$22.14
14.1.8	24" CMP, galvanized uncoated, 20' lengths, 14 ga., excludes excavation and backfill	L.F.	\$30.19
14.1.10	30" CMP, galvanized uncoated, 20' lengths, 14 ga., excludes excavation and backfill	L.F.	\$41.86
14.1.12	36" CMP, galvanized uncoated, 20' lengths, 12 ga., excludes excavation and backfill	L.F.	\$58.77
14.1.13	48" CMP, galvanized uncoated, 20' lengths, 12 ga., excludes excavation and backfill	L.F.	\$76.48
14.1.14	60" CMP, galvanized uncoated, 20' lengths, 10 ga., excludes excavation and backfill	L.F.	\$123.17
16.1.0	Pipe, Corrugated Plastic Tubing, single wall, 4", laid in trench - no excavation or backfill	L.F.	\$1.76
16.1.1	Pipe, Corrugated Plastic Tubing, single wall, 6", laid in trench - no excavation or backfill	L.F.	\$2.72
16.1.2	Pipe, Corrugated HDPE, Dbl Wall, 6", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$4.13
16.1.3	Pipe, Corrugated HDPE, Dbl Wall, 8", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$6.21
16.1.4	Pipe, Corrugated HDPE, Dbl Wall, 10", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$8.56
16.1.5	Pipe, Corrugated HDPE, Dbl Wall, 12", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$9.96
16.1.6	Pipe, Corrugated HDPE, Dbl Wall, 15", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$14.73
16.1.7	Pipe, Corrugated HDPE, Dbl Wall, 18", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$20.96
16.1.8	Pipe, Corrugated HDPE, Dbl Wall, 24", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$30.02
16.1.10	Pipe, Corrugated HDPE, Dbl Wall, 30", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$45.69
16.1.12	Pipe, Corrugated HDPE, Dbl Wall, 36", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$54.94
16.1.13	Pipe, Corrugated HDPE, Dbl Wall, 48", 20' lengths, SOIL TIGHT, no exc. or backfill	L.F.	\$88.78
16.2.0	Pipeline, Black Poly, 3/4", 100 psi, material cost only	L.F.	\$0.25
16.2.1	Pipeline, Black Poly, 3/4", 160 psi, material cost only	L.F.	\$0.50
16.2.2	Pipeline, Black Poly, 1", 100 psi, material cost only	L.F.	\$0.35
16.2.3	Pipeline, Black Poly, 1", 160 psi, material cost only	L.F.	\$0.71
16.2.4	Pipeline, Black Poly, 1-1/4", 160 psi, material cost only	L.F.	\$1.40
16.2.8	Clamp, Stainless Steel, 3/4"	EA.	\$0.99
16.2.9	Trench, shallow for buried pipeline (installed w/ plow or back blade)	L.F.	\$1,830.00
17.1.5	Pipe, PVC, SDR 35, 4" Dia., Excav. And Backfill Included (local cost)	L.F.	\$7.39
17.1.6	Pipe, PVC, SDR 35, 6" Dia., Excav. And Backfill Included (local cost)	L.F.	\$9.74
17.1.7	Pipe, PVC, SDR 35, 8" Dia., Excav. And Backfill Included (local cost)	L.F.	\$12.46
17.1.8	Pipe, PVC, SDR 35, 10" Dia., Excav. And Backfill Included (local cost)	L.F.	\$16.23
17.1.9	Pipe, PVC, SDR 35, 12" Dia., Excav. And Backfill Included (local cost)	L.F.	\$20.84
17.1.10	Pipe, PVC, SDR 35, 15" Dia., Excav. And Backfill Included (local cost)	L.F.	\$28.68
17.2.2	Pipe, PVC, SCH. 40, 2" Dia., Excav. And Backfill Included (local cost)	L.F.	\$6.48

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
17.2.3	Pipe, PVC, SCH. 40, 3" Dia., Excav. And Backfill Included (local cost)	L.F.	\$8.07
17.2.4	Pipe, PVC, SCH. 40, 4" Dia., Excav. And Backfill Included (local cost)	L.F.	\$9.12
17.2.5	Pipe, PVC, SCH. 40, 6" Dia., Excav. And Backfill Included (local cost)	L.F.	\$12.46
17.2.6	Pipe, PVC, SCH. 40, 8" Dia., Excav. And Backfill Included (local cost)	L.F.	\$16.11
17.2.7	Pipe, PVC, SCH. 40, 10" Dia., Excav. And Backfill Included (local cost)	L.F.	\$21.44
17.2.8	Pipe, PVC, SCH. 40, 12" Dia., Excav. And Backfill Included (local cost)	L.F.	\$25.05
17.2.10	Pipe, PVC, SDR 26, 160 psi, 2" Dia., Excav. And Backfill Included	L.F.	\$6.14
17.2.11	Pipe, PVC, SDR 26, 160 psi, 3" Dia., Excav. And Backfill Included	L.F.	\$7.27
17.2.12	Pipe, PVC, SDR 26, 160 psi, 4" Dia., Excav. And Backfill Included	L.F.	\$8.46
17.2.13	Pipe, PVC, SDR 26, 160 psi, 6" Dia., Excav. And Backfill Included	L.F.	\$12.18
17.2.14	Pipe, PVC, SDR 26, 160 psi, 8" Dia., Excav. And Backfill Included	L.F.	\$15.99
17.2.15	Pipe, PVC, SDR 26, 160 psi, 10" Dia., Excav. And Backfill Included	L.F.	\$21.40
17.2.16	Pipe, PVC, SDR 26, 160 psi, 12" Dia., Excav. And Backfill Included	L.F.	\$22.63
17.2.17	Pipe, PVC, SDR 26, 160 psi, 16" Dia., Excav. And Backfill Included	L.F.	\$40.69
17.3.0	Ball Valve, Socket, 1-1/2", PVC	EA.	\$22.49
17.3.1	Ball Valve, Socket, 2", PVC	EA.	\$29.84
17.3.2	Ball Valve, True Union, Socket, 1-1/2"	EA.	\$74.61
17.3.3	Ball Valve, True Union, Socket, 2"	EA.	\$104.56
17.3.5	Ball Valve, True Union, Socket, 3"	EA.	\$246.15
17.3.6	Ball Valve, 3 Way, True Union, Socket, 1-1/2"	EA.	\$146.33
17.3.7	Ball Valve, 3 Way, True Union, Socket, 2"	EA.	\$181.01
17.4.0	Headwall & Rodent Guard, 4"-8" pipe	EA.	\$78.30
18.1.0	Steel Pipe, 2" dia., SCH 40, material cost only	S.F.	\$9.34
18.1.1	Steel Pipe, 3" dia., SCH 40, material cost only	S.F.	\$14.70
18.1.2	Steel Pipe, 4" dia., SCH 40, material cost only	S.F.	\$20.21
18.1.3	Steel Pipe, 6" dia., SCH 40, material cost only	S.F.	\$36.22
18.1.4	Pipe, steel, black, welded, 2" diameter, schedule 40, Welded	L.F.	\$24.67
18.1.5	Pipe, steel, black, welded, 3" diameter, schedule 40, Welded	L.F.	\$36.22
18.1.6	Pipe, steel, black, welded, 4" diameter, schedule 40, Welded	L.F.	\$45.15
18.1.7	Pipe, steel, black, welded, 6" diameter, schedule 40, Welded	L.F.	\$76.12
18.2.0	16" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$54.55
18.2.1	16" dia. Elbow, Steel, 15 or 30 deg., MATERIAL COST ONLY	EA.	\$292.85
18.2.3	16" dia. Elbow, Steel, 45 deg., MATERIAL COST ONLY	EA.	\$382.81
18.2.4	16" dia. Elbow, Steel, 60 deg long radius., MATERIAL COST ONLY	EA.	\$583.78
18.2.5	Guillotine Safety Valve, 16" dia. , material cost only	EA.	\$2,081.19
18.2.6	Guillotine Safety Valve, 12" dia. , material cost only	EA.	\$2,018.45

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
18.2.7	Guillotine Safety Valve, 8" dia. , material cost only	EA.	\$893.66
18.2.8	Guillotine Safety Valve, 6" dia. , material cost only	EA.	\$808.92
18.2.9	16" dia. Pipe, Steel, Waste Transfer - incl. excav.& initial backfill w/ sand	L.F.	\$99.59
18.3.0	24" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$101.25
18.3.1	24" dia. Elbow, Steel, long radius 90 deg., MATERIAL COST ONLY	EA.	\$1,208.72
18.3.2	24" dia. Pipe, Steel, Waste Transfer - incl. excav.& initial backfill w/ sand	L.F.	\$161.50
18.3.3	30" dia. Pipe, Steel, Waste Transfer - incl. excav.& initial backfill w/ sand	L.F.	\$175.81
18.4.0	30" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$113.70
18.4.1	30" dia. Elbow, Steel, long radius 90 deg., MATERIAL COST ONLY	EA.	\$1,383.86
20.1.1	Rip-rap, random, broken stone, machine placed for slope protection	C.Y.	\$53.87
20.1.2	Rip-rap, random, broken stone, 18" min. thickness, machine placed slope protection	S.Y.	\$72.56
20.1.4	Gabions, galvanized steel mesh mats or boxes, stone filled, 9" deep	S.Y.	\$48.92
20.1.5	Gabions, galvanized steel mesh mats or boxes, stone filled, 12" deep	S.Y.	\$51.67
20.1.6	Gabions, galvanized steel mesh mats or boxes, stone filled, 18" deep	S.Y.	\$70.36
20.1.7	Gabions, galvanized steel mesh mats or boxes, stone filled, 36" deep	S.Y.	\$119.83
20.2.0	Tree Revetment, <20 ft length, single row	L.F.	\$8.75
20.2.1	Tree Revetment, <20 ft length, double row	L.F.	\$19.05
20.2.2	Tree Revetment, <20 ft length, double row, w/ live stakes/cuttings	L.F.	\$21.36
20.2.3	Live Stakes, installed	EA.	\$1.55
20.2.4	Facines/Wattles, installed	L.F.	\$3.86
20.2.5	Joint Plantings, installed	EA.	\$4.12
20.2.6	6" Duckbill Anchors, material cost only	EA.	\$9.07
20.2.7	1/4" Clamp, material cost only	EA.	\$0.30
20.2.8	1/4" Aircraft Cable, material cost only	L.F.	\$0.39
20.2.9	Swaging Tool, material cost only	EA.	\$194.61
20.2.10	Duckbill Anchor, 9ft Cable & 4 Clamps (1 Unit), material cost only	EA.	\$13.70
20.2.11	Lunker Boxes, installed	EA.	\$257.42
20.2.12	Stream Barb/Rock Vein	C.Y.	\$56.63
21.1.0	Aluminum gutters, stock units, plain, 5" box, .027" thick	L.F.	\$5.05
21.1.1	Aluminum gutters, stock units, plain, 5" box, .032" thick	L.F.	\$6.21
21.2.0	Roof Structure - hoop type, truss arch w/ fabric. Installed	S.F.	\$7.53
21.2.1	Roof Structure - pole type w/ wood truss & metal roof. Installed	S.F.	\$7.41
22.2.0	Manhole, Precast, 4' dia, Cover, delivered, no excavation	EA.	\$157.37
22.2.1	Manhole, Precast, 4' dia, Section, delivered, no excavation	L.F.	\$97.05
22.2.2	Manhole, Precast, 4' dia, Base, delivered, no excavation	EA.	\$111.28
22.3.0	Manhole, Precast, 5' dia, Cover, delivered, no excavation	EA.	\$338.08

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
22.3.1	Manhole, Precast, 5' dia, Section, delivered, no excavation	L.F.	\$178.36
22.3.2	Manhole, Precast, 5' dia, Base, delivered, no excavation	EA.	\$151.64
22.4.0	Manhole, Precast, 6' dia, Cover, delivered, no excavation	EA.	\$575.94
22.4.1	Manhole, Precast,6' dia, Section, delivered, no excavation	L.F.	\$250.46
22.4.2	Manhole, Precast, 6' dia, Base, delivered, no excavation	EA.	\$323.34
22.5.0	Well tile, Precast, 3' dia, Base, delivered, no excavation	EA.	\$127.78
22.5.1	Well tile, Precast, 3' dia, Cover, delivered, no excavation	EA.	\$117.83
22.5.2	Well tile, Precast, 3' dia, Section, delivered, no excavation	L.F.	\$81.20
23.1.0	Lumber, pressure treated , 2" x 10"	M.B.F.	\$739.31
23.1.1	Lumber, pressure treated , 2" x 12"	M.B.F.	\$805.39
23.1.2	Lumber, pressure treated , 2" x 4"	M.B.F.	\$603.01
23.1.3	Lumber, pressure treated , 2" x 6"	M.B.F.	\$619.53
23.1.4	Lumber, pressure treated , 2" x 8"	M.B.F.	\$603.01
23.1.5	Lumber, pressure treated , 4" x 4"	M.B.F.	\$867.35
23.1.6	Lumber, pressure treated , 4" x 6"	M.B.F.	\$1,011.91
23.1.7	Lumber, pressure treated , 4" x 8"	M.B.F.	\$1,011.91
23.2.0	Lumber, pressure treated, 6" x 6"	B.F.	\$1.44
23.2.1	Lumber, pressure treated, 8 "x 8"	B.F.	\$2.07
23.5.1	Hopper Building, wood structure, no conc., metal roof, window, exhaust fan.	S.F.	\$29.19
23.5.2	Hopper Building, w/ slab, frost wall, windows, metal roof & exhaust fan	S.F.	\$55.81
23.5.3	Hopper Bldg Exhaust Fan, 800 cfm, 1/12 h.p.	Ea.	\$373.80
23.5.5	Lattice, PT , 4'x8'	SHEET	\$35.63
23.5.6	Water Facility, 70 gal.	EA.	\$150.00
23.5.7	Water Tank Valve, w/ mounting brackets	EA.	\$44.25
24.1.6	Pipe, HDPE 24" WATER TIGHT - incl. excav.& initial backfill w/ stone	L.F.	\$51.81
24.1.12	Pipe, HDPE 30" WATER TIGHT - incl. excav.& initial backfill w/ stone	L.F.	\$73.23
24.1.16	Pipe, HDPE 36" WATER TIGHT - incl. excav.& initial backfill w/ stone	L.F.	\$86.82
24.1.23	Elbow, HDPE 24" WATER TIGHT - material \$\$ only	EA.	\$420.33
24.1.24	Elbow, HDPE 30" WATER TIGHT - material \$\$ only	EA.	\$773.69
24.1.25	Elbow, HDPE 36" WATER TIGHT - material \$\$ only	EA.	\$907.27
24.1.26	Pipe, Corrugated HDPE, Dbl Wall, 24", 20' lengths, WATER TIGHT, no exc. or backfill	L.F.	\$31.15
24.1.27	Pipe, Corrugated HDPE, Dbl Wall, 30", 20' lengths, WATER TIGHT, no exc. or backfill	L.F.	\$47.42
24.1.28	Pipe, Corrugated HDPE, Dbl Wall, 36", 20' lengths, WATER TIGHT, no exc. or backfill	L.F.	\$57.11
24.1.29	Elbow, HDPE 24" WATER TIGHT - incl. excav.& initial backfill w/ stone	E.A.	\$838.52
24.1.30	Elbow, HDPE 30" WATER TIGHT - incl. excav.& initial backfill w/ stone	E.A.	\$1,329.91
24.1.31	Elbow, HDPE 36" WATER TIGHT - incl. excav.& initial backfill w/ stone	E.A.	\$1,524.43

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

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Number	Item	Unit	058
24.3.1	Manure Pump, Agitator/Unload, trailer type, PTO type	EA.	\$17,548.48
24.3.4	Manure Pump, Agitator/Unload, vertical wall type, 3pt hitch, PTO type	EA.	\$10,796.77
24.3.5	Manure Pump, Auger, w/ electric motor	EA.	\$6,440.02
24.3.6	Manure Pump, 4" Electric, liquid manure only, w/ 10hp motor, use 6" transfer pipe, inc. wiring	EA.	\$9,555.37
24.4.1	Manure, Elevator, 40ft, suspended, inc. wiring, no concrete	EA.	\$11,283.06
24.5.1	Manure Pump, Air System	EA.	\$23,601.67
24.5.3	Manure Pump, Hollow Piston Type-slurry manure, no conc. work , inc. wiring	EA.	\$17,981.55
24.5.4	Manure Agitator, propeller w/ 10 hp electric motor, includes wiring	EA.	\$6,950.90
24.5.7	Manure Pump, Solid Piston Type-solid manure, no conc. work , inc. wiring	EA.	\$20,887.49
24.6.0	Septic Tank, Precast, 1000gal, exc. & bkfill incl.	EA.	\$1,028.08
24.6.1	Septic Tank, Precast, 1500gal, exc. & bkfill incl.	EA.	\$1,604.09
24.6.2	Septic Tank, Precast, 2000gal, exc. & bkfill incl.	EA.	\$2,018.68
24.6.3	Septic Tank, Precast, Heavy Duty, 1000gal, exc. & bkfill incl.	EA.	\$3,251.56
24.6.4	Septic Tank, Precast, Heavy Duty, 1500gal, exc. & bkfill incl.	EA.	\$3,812.75
24.6.5	Septic Tank, Precast, Heavy Duty, 2000gal, exc. & bkfill incl.	EA.	\$4,427.13
24.6.6	Grease Trap, 1000gal, exc. & bkfill incl., w/ 8" effluent filter	EA.	\$1,351.06
24.6.7	Pump Station, Precast, 1000gal, exc. & bkfill incl., 1hp or less sewage pump included	EA.	\$3,066.02
24.6.8	Pump Station, Precast, heavy duty, 1000gal, exc. & bkfill incl., no pump	EA.	\$3,927.73
24.6.9	Pump Station, Precast,heavy duty, 1500gal, exc. & bkfill incl., no pump	EA.	\$4,514.89
24.6.10	Pump Station, Precast, heavy duty, 2000gal, exc. & bkfill incl., no pump	EA.	\$5,419.27
24.6.11	Pump Station, Precast, 1000gal, exc. & bkfill incl., no pump	EA.	\$1,285.71
24.7.2	Sewage Pump, 2" solids handling, 1.5 - 2hp	EA.	\$2,190.61
24.7.3	Sewage Pump, 3" Agitator Type, vertical shaft, 3 - 5hp motor, includes wiring	EA.	\$4,199.26
24.7.4	Sewage Pump, 2" solids handling, 0.5 - 1hp	EA.	\$1,780.32
24.7.5	Sewage Pump, 3" solids handling, 3hp	EA.	\$3,818.40
24.7.7	Sewage Pump, 2" solids handling, stainless steel, 0.5 - 1hp	EA.	\$1,780.32
24.7.8	Silage Leachate Screen	EA.	\$135.92
24.7.9	Silage Leachate Orifice	EA.	\$80.50
24.7.11	Hydraulic Transfer Pump	EA.	\$2,146.67
24.8.1	Infiltration trench - excav., stone, pipe, geotextile & backfill included	L.F.	\$17.66
24.9.0	Safety Grate-6' diam. , 4" steel pipe	L.F.	\$1,822.71
24.12.0	Pushoff Safety Stop - 8' width, 4" steel pipe, 4" posts	L.F.	\$1,115.05
24.12.1	Safety Signs, Structure or Hopper	EA.	\$16.98
24.12.2	Safety Signs, Structure, attached to fence	EA.	\$17.78
25.1.0	Hydrant, Frost Free - installed	EA.	\$247.00
25.1.1	Hydrant, Frost Free Hydrant - material cost only	EA.	\$122.00

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: S.Y. (Square Yards), M.S.F. (1,000 Square Feet), S.F. (Square Feet), L.F. (Linear Feet), C.Y. (Cubic Yard), EA. (Each), HR. (Hour), L.C.Y. (100 Cubic Yards), V.F. (Vertical Feet), B.F. (Board Feet), M.B.F. (1,000 Board Feet)

PL-566

Number	Item	Unit	058
25.1.2	Float Valve Assembly	EA.	\$40.00
25.1.3	"T" Post, 8' galvanized	EA.	\$8.50
25.1.4	Remove old Fenceline (3-6' wide)	L.F.	\$1.50
25.1.6	Watering Facility (614) - 50 gals w/ float	EA.	\$108.68
25.2.2	3/4" Poly. Waterline, 4' deep, bankrun gravel initial backfill, incl. Mob	L.F.	\$5.84
25.2.3	1" Poly. Waterline, 4' deep, bankrun gravel initial backfill, incl. Mob	L.F.	\$5.68
25.2.4	1 1/4" Poly. Waterline, 4' deep, bankrun gravel initial backfill, incl. Mob	L.F.	\$6.07
25.2.5	1 1/2" Poly. Waterline, 4' deep, bankrun gravel initial backfill, incl. Mob	L.F.	\$7.02
25.2.6	2" Poly. Waterline, 4' deep, bankrun gravel initial backfill, incl. Mob	L.F.	\$8.05
25.3.0	Water Facility, 100 gal.	EA.	\$150.00
25.3.1	Water Facility, 1000 gal., not installed	EA.	\$550.00
25.3.2	Water Facility, 15 gal., insulated	EA.	\$560.00
25.3.3	Water Facility, 20 gal., insulated	EA.	\$700.00
25.3.4	Water Facility, 300 gal.	EA.	\$300.00
25.3.5	Water Facility, 50 gal.	EA.	\$95.00
25.4.1	Well, casing	V.F.	\$10.81
25.4.2	Well, submersible pump, no pressure tank	EA.	\$1,073.34
25.4.5	Well, drilling	V.F.	\$8.21
25.5.0	Heat Tube	EA.	\$80.00
25.5.1	Valve, Vacuum or Pressure Relief	EA.	\$17.45
25.5.2	Valve, Quick Coupler (male + female)	EA.	\$22.50
25.5.3	Coupling/Hydrant	EA.	\$33.00
25.6.1	Pump, Electric, 5hp	EA.	\$300.00
25.6.2	Pump, HydroRam, 1"	EA.	\$450.00
25.6.3	Pump, HydroRam, 1-1/2"	EA.	\$300.00
25.6.4	Pump, HydroRam 2" (kit), installed	EA.	\$550.00
25.6.5	Pump, Nose Operated, Pasture	EA.	\$533.00
25.6.6	Pump, Water, Permanently Mounted	EA.	\$600.00
25.6.7	Pump, Solar, w/ 2 panels	EA.	\$1,830.00
26.1.0	Earthen Pond - incl. excavation, fence, gates, seed, pads, tile drainage	C.F.	
26.1.1	Soil Lined Pond - incl. excav.,liner, fence, gates, seed, pads, tile drainage	C.F.	
26.1.2	Synthetic Lined Pond-incl. excav.,liner, fence, gates, seed, pads, tile drainage	C.F.	
26.1.3	Circular Concrete Structure- incl. excav., fence, gates, seed, pump pads, tile drainage	C.F.	
26.1.4	Glass Lined Structure- incl. minor excav., stone, concrete, tank & labor	C.F.	
27.1.0	Barnyard-incl subgrade, slab, curbs, fence, gates, seed, runoff control	S.F.	
27.1.1	Apple Tree Release and Pruning (10 Trees per acre)	EA.	\$24.00

Cost Based On
The Size Of The
Structure

Vermont 2007 Component Cost Data (St.Johnsbury Zip Code Area 058)

Unit Definitions: **S.Y.** (Square Yards), **M.S.F.** (1,000 Square Feet), **S.F.** (Square Feet), **L.F.** (Linear Feet), **C.Y.** (Cubic Yard), **EA.** (Each), **HR.** (Hour),
L.C.Y. (100 Cubic Yards), **V.F.** (Vertical Feet), **B.F.** (Board Feet), **M.B.F.** (1,000 Board Feet)

PL-566

Number	Item	Unit	058
27.1.2	Brushhogging, light duty or Delayed Mowing	ACRE	\$28.00
27.1.3	Brushhogging, heavy duty	ACRE	\$52.00
27.1.6	Lunker box (installed)	EA.	\$250.00
27.1.7	Mast Tree Release (10 Trees per Acre)	EA.	\$24.00
27.1.8	Vegetation Restoration – herbaceous plants (2" plugs)	EA.	\$2.00
27.1.9	Vegetative Restoration – wetland seeding	ACRE	\$750.00
27.1.12	Brush and Tree Cutting, manual and light mechanical (chainsaw, brushsaw, etc)	ACRE	\$460.00
27.1.13	Brush and Tree Cutting, mechanical (brontosaurus)	ACRE	\$900.00
27.1.14	Brush and Tree Cutting, post commercial harvest	ACRE	\$260.00
27.1.15	Control of Invasive Plants, 1st application (mechanical, chemical or biological)	ACRE	\$260.00
27.1.16	Control of Invasive Plants, 2nd application (mechanical, chemical or biological)	ACRE	\$160.00
27.1.17	Control of Invasive Plants, Light infestation 1st application	ACRE	\$60.00
27.1.18	Control of Invasive Plants, Light infestation 2nd application	ACRE	\$40.00
27.1.19	Forest Wildlife Habitat Improvement	ACRE	\$460.00
27.1.20	Prescribed Burning	ACRE	\$500.00
28.1.1	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' w, 6' h, inc. backfill	L.F.	\$85.46
28.1.2	Retain. walls, stone filled gabions, hwy surcharge, 3' W, 6' L, 3' H, inc. backfill	L.F.	\$162.73
28.1.3	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' W, 9' H, inc. backfill	L.F.	\$180.29
28.1.4	Retain.walls, stone filled gabions, galv., hwy surcharge, 3' W, 9' L, 3' H, inc. backfill	L.F.	\$277.46
28.1.5	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' W, 12' H, inc. backfill	L.F.	\$299.70
28.1.6	Retain. walls, stone filled gabions, galv., hwy surcharge, 3' W, 12' L, 3' H, inc. backfill	L.F.	\$403.89
29.1.0	Fuel Tank, steel, above grd, single wall, 275 gal, incl. cradles, coating & fittings	Ea.	\$573.20
29.1.1	Fuel Tank, steel, above grd, single wall, 550 gal, incl. cradles, coating & fittings	Ea.	\$2,298.48
29.1.2	Fuel Tank, steel, above grd, single wall, 1,000 gal, incl. cradles, coating & fittings	Ea.	\$3,461.90
29.1.3	Fuel Tank, steel, above grd, single wall, 1,500 gal, incl. cradles, coating & fittings	Ea.	\$5,050.97
29.1.4	Fuel Tank, steel, above grd, single wall, 2,000 gal, incl. cradles, coating & fittings	Ea.	\$5,760.38
29.1.5	Fuel Tank, steel, above grd, double wall, 500 gal, incl. cradles, coating & fittings	Ea.	\$3,547.03
29.1.6	Fuel Tank, steel, above grd, double wall, 2,000 gal, incl. cradles, coating & fittings	Ea.	\$8,229.11
29.1.7	Fuel Storage Structure 275 gal, - septic tank, posts, roof & lattice	E.A.	\$3,322.23
29.1.8	Fuel Storage Structure 500 or 550gal, - septic tank, posts, roof & lattice	E.A.	\$4,028.47
29.1.9	Fuel Storage Structure 1000gal, - septic tank, posts, roof & lattice	E.A.	\$5,789.17