

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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

Category:	Item #	Item:	Unit	Average \$
Agronomic Practices	L014.1.2.34	Compost Analysis (total nutrients and carbon)	EA.	\$53.00
Agronomic Practices	L014.1.2.35	Manure Analysis	EA.	\$38.00
Agronomic Practices	A014467	Pipeline (2) (643)-3/4" pipeline laid on ground	L.F.	\$0.47
Agronomic Practices	A014468	Pipeline (3) (643)-1 1/4" pipeline laid on ground	L.F.	\$1.37
Agronomic Practices	A014466	Pipeline (643)-1" pipeline laid on ground	L.F.	\$0.82
Agronomic Practices	L014.1.2.33	Soil Health Assessment	EA.	\$75.00
Agronomic Practices	L014.1.2.31	Soil test, (commercial vegetables & small fruit)	EA.	\$15.00
Agronomic Practices	L014.1.2.32	Soil test, (pre-sidedress nitrate test)	EA.	\$11.00
Agronomic Practices	L014.1.2.30	Soil test, (standard agricultural field crops soil test)	EA.	\$15.00
Agronomic Practices	A014490	Watering Facility - Moveable (614) - 35 gal poly, valves & float	EA.	\$85.00
Agronomic Practices	A014492	Watering Facility (614) - 70 gal poly, valves & float	EA.	\$150.00
Agronomic Practices	A014494	Watering Facility 150 gal (614) - 150 gal poly, valves, float, geotextile & gravel.	EA.	\$801.69
Asphalt	02 740 315 0020	Asphalt, parking & driveway, 6" stone base, 2" binder course, 1" topping	S.F.	\$2.71
Asphalt	02 740 315 0400	Asphalt, parking lots & driveways, binder course, 2" thick	S.F.	\$1.10
Asphalt	02 740 315 0500	Asphalt, parking lots & driveways, binder course, 3" thick	S.F.	\$1.73
Asphalt	02 740 315 0600	Asphalt, parking lots & driveways, binder course, 4" thick	S.F.	\$2.31
Asphalt	02 740 315 0900	Asphalt, parking lots & driveways, sand finish course, 1" thick	S.F.	\$0.62
Asphalt	02 740 315 0800	Asphalt, parking lots & driveways, sand finish course, 3/4" thick	S.F.	\$0.49
Asphalt	02 310 100 0100	Fine grade, for roadway, large area, 6,000 S.Y. or more	S.Y.	\$0.82
Asphalt	02 310 100 0012	Fine grading, finish grading, small area, to be paved with grader	S.Y.	\$4.14
Asphalt	02 220 360 0015	Selective demolition, saw cutting, asphalt, up to 3" deep	L.F.	\$1.75
Asphalt	02 220 360 0020	Selective demolition, saw cutting, each additional inch of depth over 3"	L.F.	\$0.89
Concrete Demolition	02 220 310 0250	Selective demolition, cutout, slab on grade, non-reinforced, to 6" thick, 8-16 S.F., excludes loading and disposal	S.F.	\$12.58
Concrete Demolition	02 220 310 0200	Selective demolition, cutout, slab on grade, non-reinforced, to 6" thick, under 8 S.F., excludes loading and disposal	S.F.	\$26.01
Concrete Demolition	02 220 130 0240	Demolition-footing, floor, concrete slab on grade, plain concrete, 4" thick	S.F.	\$4.42
Concrete Demolition	02 220 130 0280	Demolition-footings, floors, concrete slab on grade, concrete, wwf, 4" thick	S.F.	\$4.69
Concrete Demolition	02 220 130 0420	Demolition-footings, floors, concrete slab on grade, concrete, wwf, 6" thick	S.F.	\$6.50
Concrete Demolition	02 220 130 0400	Demolition-footings, floors, concrete slab on grade, plain concrete, 6" thick	S.F.	\$5.89
Concrete Demolition	02 220 240 5200	Minor demolition, slab on grade, rebar, 8" thick, remove, exc. hauling	C.Y.	\$145.82
Concrete Demolition	02 220 240 5100	Minor demolition, slab on grade, wwf, 8" thick, remove, exc. hauling	C.Y.	\$109.97
Concrete Demolition	02 220 240 5000	Minor demolition, slab on grade, plain, remove, excludes hauling	C.Y.	\$81.25
Concrete Demolition	02 220 360 0420	Saw cutting, concrete slab, rebar, each additional inch of depth over 3"	L.F.	\$1.07
Concrete Demolition	02 220 360 0400	Saw cutting, concrete slabs, mesh reinforcing, per inch of depth to 3" deep	L.F.	\$1.96
Misc. Concrete	L151.2.12.2	6" Pipe Penetration Seal, modular, links & bolts	EA.	\$197.83
Misc. Concrete	L151.2.12.3	8" Pipe Penetration Seal, modular, links & bolts	EA.	\$230.49
Misc. Concrete	03 350 300 4000	Concrete finishing, floor, dustproofing, epoxy-based, clear, 1 coat	S.F.	\$0.32
Misc. Concrete	03 350 300 4050	Concrete finishing, floor, dustproofing, epoxy-based, clear, 2 coats	S.F.	\$0.44
Misc. Concrete	03 350 350 0020	Concrete finishing, walls, includes breaking ties and patching voids	S.F.	\$0.54
Misc. Concrete	01 450 500 1800	Concrete testing, compressive strength test, ASTM C 39, incl. delivery to lab per cylinder	Ea.	\$13.00
Misc. Concrete	01 450 500 1950	Concrete testing, compressive strength test, incl. picked up by lab, average	Ea.	\$20.00
Misc. Concrete	A033550	Construction Joint - floor, sawed, backer rod and waterstop	L.F.	\$2.56
Misc. Concrete	03 240 300 0155	Fibrous reinforcing, steel fibers, add to concrete, 25 lb. per C.Y.	C.Y.	\$21.33
Misc. Concrete	03 240 300 0110	Fibrous reinforcing, synthetic fibers, add to concrete, 1-1/2 lb. per C.Y.	C.Y.	\$8.09

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Misc. Concrete	L014.2.4.2	Pumping, Concrete, Footings & Slabs, 18.75cy/hr (include drive time)	HR.	\$177.50
Misc. Concrete	L014.2.4.3	Pumping, Concrete, Walls, 12.5cy/hr (include drive time)	HR.	\$177.50
Misc. Concrete	03 150 860 0050	Waterstop, PVC or Bentonite type	L.F.	\$3.44
Misc. Concrete	03 060 870 0050	Winter Protection, for heated ready mix, includes material only, add, max.	C.Y.	\$6.51
Misc. Concrete	03 060 870 0012	Winter Protection, for heated ready mix, includes material only, add, min.	C.Y.	\$5.22
Misc. Concrete	03 060 870 0150	Winter Protection, protecting concrete and temp heat	M.S.F.	\$851.00
Misc. Concrete	03 060 870 0210	Winter Protection, temp. shelter, slab on grade, wood frame and poly, max.	M.S.F.	\$487.74
Misc. Concrete	03 060 870 0201	Winter Protection, temp. shelter, slab on grade, wood frame and poly, min.	M.S.F.	\$314.33
Precast Concrete	L026.2.14.1	Block, Concrete, keyed, 6'x2'x2', including corners	EA.	\$95.83
Precast Concrete	L026.2.14.0	Block, Concrete, non keyed, 4'x2'x2' or 4'x4'x2'	EA.	\$69.69
Precast Concrete	L026.22.6.1	Catchbasin, Precast Concrete, 2' square or round, cast grate, 6' deep, excav. not incl.	EA.	\$1,001.86
Precast Concrete	02 540 400 1000	Distribution box - concrete, 5-7 outlets, excludes excavation or piping	Ea.	\$101.82
Precast Concrete	L025.24.6.6	Grease Trap, 1000gal, no exc. or bkfill, w/ 8" effluent filter	EA.	\$2,179.06
Precast Concrete	L026.2.8.2	Hopper, Precast, 6' dia. x 6' deep, delivered, excav. not incl.	EA.	\$1,728.22
Precast Concrete	L026.2.8.3	Hopper, Precast, 6' dia. x 8' deep, delivered, excav. not incl.	EA.	\$2,068.85
Precast Concrete	L026.22.2.2	Manhole, Precast, 4' dia, Base, delivered, excav. not incl.	EA.	\$90.17
Precast Concrete	L026.22.2.0	Manhole, Precast, 4' dia, Cover, delivered, excav. not incl.	EA.	\$147.78
Precast Concrete	L026.22.2.1	Manhole, Precast, 4' dia, Section, delivered, excav. not incl.	L.F.	\$60.11
Precast Concrete	L026.22.3.2	Manhole, Precast, 5' dia, Base, delivered, excav. not incl.	EA.	\$170.32
Precast Concrete	L026.22.3.0	Manhole, Precast, 5' dia, Cover, delivered, excav. not incl.	EA.	\$293.05
Precast Concrete	L026.22.3.1	Manhole, Precast, 5' dia, Section, delivered, excav. not incl.	L.F.	\$110.21
Precast Concrete	L026.22.4.2	Manhole, Precast, 6' dia, Base, delivered, excav. not incl.	EA.	\$235.44
Precast Concrete	L026.22.4.0	Manhole, Precast, 6' dia, Cover, delivered, excav. not incl.	EA.	\$370.69
Precast Concrete	L026.22.4.1	Manhole, Precast, 6' dia, Section, delivered, excav. not incl.	L.F.	\$157.79
Precast Concrete	L025.24.6.7	Pump Station, Precast, 1000gal, excav. not incl., 1/2hp sewage pump included	EA.	\$2,700.02
Precast Concrete	L025.24.6.11	Pump Station, Precast, 1000gal, excav. not incl., no pump	EA.	\$1,227.28
Precast Concrete	L025.24.6.8	Pump Station, Precast, heavy duty-drive on, 1000gal, excav. not incl., no pump	EA.	\$3,681.85
Precast Concrete	L025.24.6.10	Pump Station, Precast, heavy duty-drive on, 2000gal, excav. not incl, no pump	EA.	\$4,934.18
Precast Concrete	L025.24.6.9	Pump Station, Precast, heavy duty-drive on, 1500gal, excav. not incl., no pump	EA.	\$4,834.00
Precast Concrete	L025.24.6.0	Septic Tank, Precast, 1000gal, excav. not incl.	EA.	\$1,080.01
Precast Concrete	L025.24.6.1	Septic Tank, Precast, 1500gal, excav. not incl.	EA.	\$1,367.54
Precast Concrete	L025.24.6.2	Septic Tank, Precast, 2000gal, excav. not incl.	EA.	\$1,838.42
Precast Concrete	L025.24.6.12	Septic Tank, Precast, 3000gal, excav. not incl.	EA.	\$2,629.89
Precast Concrete	L025.24.6.3	Septic Tank, Precast, Heavy Duty-drive on, 1000gal, excav. not incl.	EA.	\$3,506.53
Precast Concrete	L025.24.6.4	Septic Tank, Precast, Heavy Duty-drive on, 1500gal, excav. not incl.	EA.	\$4,257.92
Precast Concrete	L025.24.6.5	Septic Tank, Precast, Heavy Duty-drive on, 2000gal, excav. not incl.	EA.	\$5,159.60
Precast Concrete	L025.24.6.13	Septic Tank, Precast, Heavy Duty-drive on, 3000gal, excav. not incl.	EA.	\$5,911.00
Precast Concrete	L026.22.5.0	Well tile, Precast, 3' dia, Base, delivered, excav. not incl.	EA.	\$135.25
Precast Concrete	L026.22.5.1	Well tile, Precast, 3' dia, Cover, delivered, excav. not incl.	EA.	\$72.64
Precast Concrete	L026.22.5.2	Well tile, Precast, 3' dia, Section, delivered, excav. not incl.	L.F.	\$62.62
Concrete Walls	A033010	4'-8' Conc. Wall, 3000 psi, 8" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$373.27
Concrete Walls	A033011	4'-8' Conc. Wall, 3000 psi, 8" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$388.67
Concrete Walls	A033012	4'-8' Conc. Wall, 3000 psi, 8" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$386.99
Concrete Walls	A033013	4'-8' Conc. Wall, 3000 psi, 8" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$410.09

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Concrete Walls	A033014	4'-8' Conc. Wall, 4000 psi, 8" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$379.08
Concrete Walls	A033015	4'-8' Conc. Wall, 4000 psi, 8" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$394.48
Concrete Walls	A033016	4'-8' Conc. Wall, 4000 psi, 8" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$392.80
Concrete Walls	A033017	4'-8' Conc. Wall, 4000 psi, 8" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$415.90
Concrete Walls	A033030	10' Conc. Wall, 3000 psi, 10" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$340.83
Concrete Walls	A033031	10' Conc. Wall, 3000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$363.70
Concrete Walls	A033032	10' Conc. Wall, 3000 psi, 10" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$361.67
Concrete Walls	A033033	10' Conc. Wall, 3000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$380.94
Concrete Walls	A033034	10' Conc. Wall, 4000 psi, 10" thick, #4@12" E.W., Chute, Curing Compound	C.Y.	\$356.73
Concrete Walls	A033035	10' Conc. Wall, 4000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$369.51
Concrete Walls	A033036	10' Conc. Wall, 4000 psi, 10" thick, #4@12" V, #4@6" H, Chute, Curing Compd.	C.Y.	\$367.48
Concrete Walls	A033037	10' Conc. Wall, 4000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$386.75
Concrete Walls	A033050	12' Conc. Wall, 3000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$362.32
Concrete Walls	A033051	12' Conc. Wall, 4000 psi, 10" thick, #5@12" E.W., Chute, Curing Compound	C.Y.	\$368.13
Concrete Walls	A033052	12' Conc. Wall, 3000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$380.94
Concrete Walls	A033053	12' Conc. Wall, 4000 psi, 10" thick, #5@12" V, #5@6" H, Chute, Curing Compd.	C.Y.	\$386.75
Concrete Walls	A033135	Conc. Hopper, 6'x6'x8', 8" Wall & Floor, No Exc. or Drainage, 6" Drainfill	E.A.	\$3,103.91
Concrete Walls	A033073	Concrete Footing, 4,000 psi, 14" thick, 4' wide, #5 @ 12" e.f., #5 dowels @ 14" e.f.	C.Y.	\$336.25
Concrete Walls	A033072	Concrete Footing, 4,000 psi, 14" thick, 4' wide, #5 @ 6" e.f., #5 dowels @ 14" e.f.	C.Y.	\$367.01
Concrete Walls	A033071	Concrete Footing, 10" thick, < 3' wide, reinforced, #4 E.W. Typ.	C.Y.	\$286.94
Concrete Walls	A033070	Concrete Footing, 10" thick, > 3' wide, reinforced, #4 & #5	C.Y.	\$262.25
Concrete Walls	A033055	6' Conc. Wall, 4000 psi, 12" thick, #5@6" e.f. V, #6@5" E.F. H, Chute, Curing Compd.	C.Y.	\$453.71
Concrete Walls	A033054	12' Conc. Wall, 4000 psi, 12" thick, #5@6" e.f. V, #6@5" E.F. H, Chute, Curing Compd.	C.Y.	\$487.21
Concrete Walls	A033056	12' Conc. Wall, 4000 psi, 12" thick, #5@12" e.f. V, #5@10" E.F. H, Chute, Curing Compd.	C.Y.	\$565.91
Concrete Walls	A033057	16' Conc. Wall, 4000 psi, 12" thick, #5@12" e.f. V, #5@10" E.F. H, Chute, Curing Compd.	C.Y.	\$649.20
Concrete	A033130	Curb, Concrete, 6"x12"h, 3000psi, #4 @ 12" E.W., Curing compd.	L.F.	\$12.50
Concrete	A033133	Curb, Concrete, 6"x24"h, 3000psi, #4 @ 12" E.W., Curing compd.	L.F.	\$21.06
Concrete	A033131	Curb, Concrete, 8"x12"h, 3000psi, #4 @ 12" E.W., Curing compd.	L.F.	\$13.07
Concrete	A033134	Curb, Concrete, 8"x24"h, 3000psi, #4 @ 12" E.W., Curing compd.	L.F.	\$22.30
Concrete	A033132	Curb, Concrete, Speed Bump, 3000psi, #4 @ 12" E.W., Curing compd.	L.F.	\$13.07
Concrete	A033091	Slab, Concrete, 4", 3000psi, Curing compd., saw 10' o.c. each way	C.Y.	\$163.65
Concrete	A033090	Slab, Concrete, 4", 3000psi, W1.4(10ga) 6x6 WWF, Curing compd., saw 30' o.c. each way	C.Y.	\$181.07
Concrete	A033096	Slab, Concrete, 5", 3000psi, Curing compd., saw 12.5' o.c. each way	C.Y.	\$153.90
Concrete	A033095	Slab, Concrete, 5", 3000psi, Curing compd., W6(2ga) 6x6 WWF. (joint spacing up to 110')	C.Y.	\$206.23
Concrete	A033092	Slab, Concrete, 5", 3000psi, Curing compd., #4@18" E.W. (joint spacing up to 125')	C.Y.	\$195.48
Concrete	A033097	Slab, Concrete, 5", 3000psi, Curing compd., #4@12" E.W. (joint spacing up to 180')	C.Y.	\$216.48
Concrete	A033098	Slab, Concrete, 6", 3000psi, Curing compd., saw cut 15' o.c. each way	C.Y.	\$148.42
Concrete	A033100	Slab, Concrete, 6", 3000psi, Curing compd., #4@18" E.W. (joint spacing up to 100')	C.Y.	\$206.17
Concrete	A033094	Slab, Concrete, 6", 3000psi, Curing compd., #4@12" E.W. (joint spacing up to 150')	C.Y.	\$234.05
Concrete	A033099	Slab, Concrete, 6", 3000psi, Curing compd., #5@10" E.W. (joint spacing up to 290')	C.Y.	\$238.70
Concrete	A030110	Unreinforced Concrete	C.Y.	\$134.64
Subsurface Drainage	A023284	4" Perf. Field Drain, 12' deep, bankrun gravel, incl. Mob	L.F.	\$18.67
Subsurface Drainage	A023285	4" Perf. Field Drain, 12' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$19.15
Subsurface Drainage	A023261	4" Perf. Field Drain, 4-6' deep, bankrun gravel, incl. Mob	L.F.	\$7.66

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Subsurface Drainage	A023262	4" Perf. Field Drain, 4-6' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$8.09
Subsurface Drainage	A023263	4" Perf. Field Drain, 7-9' deep, bankrun gravel, incl. Mob	L.F.	\$9.12
Subsurface Drainage	A023264	4" Perf. Field Drain, 7-9' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$9.54
Subsurface Drainage	A023260	4" Perf. Footing Drain, stone, geotextile	L.F.	\$3.34
Subsurface Drainage	A023280	6" Perf. Field Drain, 4-6' deep, bankrun gravel, incl. Mob	L.F.	\$8.68
Subsurface Drainage	A023281	6" Perf. Field Drain, 4-6' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$9.10
Subsurface Drainage	A023282	6" Perf. Field Drain, 7-9' deep, bankrun gravel, incl. Mob	L.F.	\$10.13
Subsurface Drainage	A023283	6" Perf. Field Drain, 7-9' deep, geotextile, bankrun gravel, incl. Mob	L.F.	\$10.55
Surface Drainage	L026.4.4.3	Bar Guard, 12" Heavy Duty, Trash Rack	EA.	\$78.13
Surface Drainage	L026.4.4.4	Bar Guard, 18" Heavy Duty, Trash Rack	EA.	\$116.72
Surface Drainage	L026.4.4.5	Bar Guard, 24" Heavy Duty, Trash Rack	EA.	\$152.09
Surface Drainage	L026.4.4.1	Bar Guard, 6" Heavy Duty, Trash Rack	EA.	\$65.23
Surface Drainage	L026.4.4.2	Bar Guard, 8" Heavy Duty, Trash Rack	EA.	\$70.00
Surface Drainage	A023290	Diversion or Waterway, Grassed	L.F.	\$6.15
Surface Drainage	A023291	Diversion or Waterway, Grassed, w/ Erosion Control Netting	L.F.	\$7.06
Surface Drainage	A023292	Diversion or Waterway, Stone Centered	L.F.	\$27.56
Surface Drainage	L151.4.3.1	Grate, 24" dia., Cast Iron w/ Ears	EA.	\$317.39
Surface Drainage	L151.4.2.6	Riser, perforated, for diversion or terrace 10" SDR 35	EA.	\$917.02
Surface Drainage	L151.4.2.4	Riser, perforated, for diversion or terrace 6" SDR 35	EA.	\$213.03
Surface Drainage	L151.4.2.5	Riser, perforated, for diversion or terrace 8" SDR 35	EA.	\$401.19
Equipment Rental	A015307	Backhoe (rented), 40-45 Hp, 1/2 CY Capacity, w/ operator	HR.	\$77.35
Equipment Rental	A015308	Backhoe (rented), Large, 100 Hp, 3/4 C.Y. Capacity, w/ operator	HR.	\$91.04
Equipment Rental	A015306	Dozer (rented), Large, 200 Hp, w/ operator	HR.	\$197.79
Equipment Rental	A015304	Dozer (rented), Medium, 105 Hp, w/ operator	HR.	\$128.63
Equipment Rental	A015305	Dozer (rented), Medium, 140 Hp, w/ operator	HR.	\$147.99
Equipment Rental	A015303	Dozer (rented), Small - Finish Work, 75 Hp, w/ operator	HR.	\$100.96
Equipment Rental	A015402	Dump Truck (rented), off-road, 25 ton capacity, w/ operator	HR.	\$222.80
Equipment Rental	A015400	Dump Truck (rented), tandum axle, 12 ton capacity, w/ operator	HR.	\$70.65
Equipment Rental	A015401	Dump Truck (rented), tri-axle, 12 ton capacity, w/ operator	HR.	\$83.79
Equipment Rental	A015302	Excavator (rented), Large, 1.5 CY Bucket, w/ operator	HR.	\$179.98
Equipment Rental	A015301	Excavator (rented), Medium, 1.0 CY Bucket, w/ operator	HR.	\$147.48
Equipment Rental	A015310	Excavator (rented), Medium, 3/4 CY Bucket, w/ operator	HR.	\$137.10
Equipment Rental	A015300	Excavator (rented), Small, 1/2 CY Bucket, w/ operator	HR.	\$102.52
Equipment Rental	A015403	Sheepsfoot Vibratory Roller (rented), 200 h.p., w/ operator	HR.	\$208.17
Equipment Rental	A015309	Skid Steer Loader (rented), Large, 78 Hp, 1.0 C.Y. Capacity, w/ operator	HR.	\$79.25
Equipment Rental	A015404	Smooth Drum Vibratory Roller (rented), 125 h.p., w/ operator	HR.	\$139.69
Equipment Rental	L015.6.9.15	Tandum Dump Truck, hired	HR.	\$75.45
Erosion Control	L014.10.2.2	Geojute Erosion Control Blanket	S.Y.	\$1.60
Erosion Control	L014.10.1.1	Geotextile (non-woven)	S.Y.	\$1.80
Erosion Control	L014.10.1.3	Geotextile (woven)	S.Y.	\$2.50
Erosion Control	L014.1.13.8	Hydroseeding / Mulching on critical area	ACRE	\$2,600.00
Erosion Control	L014.1.13.1	Mulch, hay -- hand applied	ACRE	\$580.00
Erosion Control	L014.1.13.9	Mulch, straw -- cost per 40 lb bale	EA.	\$11.65
Erosion Control	L014.10.2.3	Straw Erosion Control Blanket	S.Y.	\$1.75

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

**UNIT DEFINITIONS:** S.Y. (Square Yards), (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)

Erosion Control	L014.1.13.10	Wood chips	S.Y.	\$1.60
Earthwork Borrow	L020.5.1.2	Borrow, 1.5" Crushed Stone, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$22.58
Earthwork Borrow	L020.5.1.3	Borrow, 1.5" Crushed Stone, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$25.41
Earthwork Borrow	L020.5.1.28	Borrow, 1.5" Crushed Stone, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$28.25
Earthwork Borrow	L020.5.1.1	Borrow, 1.5" Crushed Stone, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$21.16
Earthwork Borrow	L020.5.1.32	Borrow, 1.5" Plant Mix, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$21.45
Earthwork Borrow	L020.5.1.33	Borrow, 1.5" Plant Mix, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$24.28
Earthwork Borrow	L020.5.1.34	Borrow, 1.5" Plant Mix, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$27.12
Earthwork Borrow	L020.5.1.31	Borrow, 1.5" Plant Mix, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$20.03
Earthwork Borrow	L020.5.1.5	Borrow, 3/4" Crushed Stone, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$24.85
Earthwork Borrow	L020.5.1.6	Borrow, 3/4" Crushed Stone, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$27.68
Earthwork Borrow	L020.5.1.29	Borrow, 3/4" Crushed Stone, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$30.52
Earthwork Borrow	L020.5.1.4	Borrow, 3/4" Crushed Stone, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$23.43
Earthwork Borrow	L020.5.1.20	Borrow, 3/4" Plant Mix, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$21.91
Earthwork Borrow	L020.5.1.21	Borrow, 3/4" Plant Mix, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$24.75
Earthwork Borrow	L020.5.1.30	Borrow, 3/4" Plant Mix, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$27.58
Earthwork Borrow	L020.5.1.19	Borrow, 3/4" Plant Mix, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$20.49
Earthwork Borrow	L020.5.1.8	Borrow, Bank Run Gravel, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$18.64
Earthwork Borrow	L020.5.1.9	Borrow, Bank Run Gravel, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$21.47
Earthwork Borrow	L020.5.1.35	Borrow, Bank Run Gravel, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$24.30
Earthwork Borrow	L020.5.1.7	Borrow, Bank Run Gravel, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$17.22
Earthwork Borrow	L020.5.1.17	Borrow, Bank Sand, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$18.64
Earthwork Borrow	L020.5.1.18	Borrow, Bank Sand, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$21.47
Earthwork Borrow	L020.5.1.36	Borrow, Bank Sand, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$24.30
Earthwork Borrow	L020.5.1.16	Borrow, Bank Sand, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$17.22
Earthwork Borrow	L020.5.1.11	Borrow, Common Fill-incl. Clay, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$13.78
Earthwork Borrow	L020.5.1.12	Borrow, Common Fill-incl. Clay, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$16.62
Earthwork Borrow	L020.5.1.37	Borrow, Common Fill-incl. Clay, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$19.45
Earthwork Borrow	L020.5.1.10	Borrow, Common Fill-incl. Clay, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$12.37
Earthwork Borrow	L020.5.1.26	Borrow, Rock RipRap, 10 mile round trip (0.8 hrs)	C.Y.	\$24.26
Earthwork Borrow	L020.5.1.27	Borrow, Rock RipRap, 20 mile round trip (1.2 hrs)	C.Y.	\$27.09
Earthwork Borrow	L020.5.1.38	Borrow, Rock RipRap, 30 mile round trip (1.6 hrs)	C.Y.	\$29.93
Earthwork Borrow	L020.5.1.25	Borrow, Rock RipRap, 5 mile round trip (0.6 hrs)	C.Y.	\$22.84
Earthwork Borrow	L020.5.1.14	Borrow, Washed Mfg. Sand, 10 mile round trip (0.8 hrs), spread w/ dozer	C.Y.	\$27.91
Earthwork Borrow	L020.5.1.15	Borrow, Washed Mfg. Sand, 20 mile round trip (1.2 hrs), spread w/ dozer	C.Y.	\$30.74
Earthwork Borrow	L020.5.1.39	Borrow, Washed Mfg. Sand, 30 mile round trip (1.6 hrs), spread w/ dozer	C.Y.	\$33.58
Earthwork Borrow	L020.5.1.13	Borrow, Washed Mfg. Sand, 5 mile round trip (0.6 hrs), spread w/ dozer	C.Y.	\$26.49
Earthwork Borrow	A023299	Hauling, Borrow, 1/2 mi. RT, Off Road Truck, inc. loading & spread w/ dozer, no mat. \$	C.Y.	\$13.51
Earthwork Borrow	A023310	Hauling, Borrow, 10 mi. RT, inc. loading & spread w/ dozer, no mat. \$	C.Y.	\$10.75
Earthwork Borrow	A023300	Hauling, Borrow, 2 mi. RT, inc. loading & spread w/ dozer, no mat. \$	C.Y.	\$8.58
Earthwork Borrow	A023315	Hauling, Borrow, 20 mi. RT, inc. loading & spread w/ dozer, no mat. \$	C.Y.	\$13.64
Earthwork Borrow	A023305	Hauling, Borrow, 5 mi. RT, inc. loading & spread w/ dozer, no mat. \$	C.Y.	\$9.31
Earthwork Borrow	02 315 492 1414	Hauling, loose cubic yards, 1/4 mile round trip, 12 C.Y. dump truck, excludes loading	L.C.Y.	\$5.99
Earthwork Borrow	02 315 492 1416	Hauling, loose cubic yards, 1 mile round trip, 12 C.Y. dump truck, excludes loading	L.C.Y.	\$6.36

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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Earthwork Borrow	02 055 150 0800	Topsoil, weed free, spread with dozer, includes load and haul, approx.15 miles RT.	C.Y.	\$28.99
Excavation	02 315 416 2900	Drilling & blasting rock- boulders, drilled and blasted (min. 100 C.Y.)	C.Y.	\$28.27
Excavation	02 315 416 0020	Drilling & blasting rock- open face (min. 225 C.Y., max. 1500 C.Y.)	C.Y.	\$13.67
Excavation	02 315 416 0200	Drilling & blasting rock- w/ blasting mats (min. 175 C.Y., max. 1500 C.Y.)	C.Y.	\$16.98
Excavation	02 315 416 1300	Drilling & blasting rock-deep hole method (min. 50 C.Y., max. 1500 C.Y.)	C.Y.	\$54.49
Excavation	02 315 416 1900	Drilling & blasting rock-restricted areas (min. 13 C.Y., max. 1500 C.Y.)	C.Y.	\$204.29
Excavation	02 315 424 1500	Excavating, bulk, 3/4 C.Y. capacity = 45 C.Y./hr, backhoe, hydraulic, crawler mounted	C.Y.	\$2.32
Excavation	02 315 424 0200	Excavating, bulk, 1 C.Y. capacity = 75 C.Y./hr, backhoe, hydraulic, crawler mounted	C.Y.	\$2.37
Excavation	02 315 424 0250	Excavating, bulk, 1-1/2 C.Y. cap. = 100 C.Y./hr, backhoe, hydraulic, crawler mounted	C.Y.	\$2.17
Excavation	02 315 424 0260	Excavating, bulk, 2 C.Y. cap. = 130 C.Y./hour, backhoe, hydraulic, crawler mounted	C.Y.	\$1.92
Excavation	02 315 432 3240	Excavating, bulk, dozer, open site, bank measure, clay, 105 H.P. dozer, 150' haul	C.Y.	\$7.74
Excavation	02 315 432 3340	Excavating, bulk, dozer, open site, bank measure, clay, 105 H.P. dozer, 300' haul	C.Y.	\$13.16
Excavation	02 315 432 4240	Excavating, bulk, dozer, open site, bank measure, clay, 200 H.P. dozer, 150' push	C.Y.	\$6.07
Excavation	02 315 432 4440	Excavating, bulk, dozer, open site, bank measure, clay, 200 H.P. dozer, 300' push	C.Y.	\$11.60
Excavation	02 315 432 3220	Excavating, bulk, dozer, open site, bank measure, common earth, 105 H.P. dozer, 150' haul	C.Y.	\$4.88
Excavation	02 315 432 3320	Excavating, bulk, dozer, open site, bank measure, common earth, 105 H.P. dozer, 300' haul	C.Y.	\$10.97
Excavation	02 315 432 4220	Excavating, bulk, dozer, open site, bank measure, common earth, 200 H.P. dozer, 150' push	C.Y.	\$3.82
Excavation	02 315 432 4420	Excavating, bulk, dozer, open site, bank measure, common earth, 200 H.P. dozer, 300' push	C.Y.	\$7.30
Excavation	02 315 432 3200	Excavating, bulk, open site, bank measure, sand & gravel, 105 H.P., 150' haul, dozer	C.Y.	\$4.24
Excavation	02 315 432 3300	Excavating, bulk, open site, bank measure, sand & gravel, 105 H.P., 300' haul, dozer	C.Y.	\$9.40
Excavation	02 315 432 4200	Excavating, bulk, open site, bank measure, sand & gravel, 200 H.P., 150' haul, dozer	C.Y.	\$3.32
Excavation	02 315 432 4400	Excavating, bulk, open site, bank measure, sand & gravel, 200 H.P., 300' haul, dozer	C.Y.	\$6.37
Excavation	02 315 462 6040	Excavating, structural, bank measure, common earth, 1 C.Y. bucket, hydr. backhoe	C.Y.	\$15.21
Excavation	02 315 462 6110	Excavating, structural, clay, till or blasted rock, 3/4 C.Y. bucket, hydr. backhoe	B.C.Y.	\$18.85
Excavation	02 315 462 6120	Excavating, structural, clay, till or blasted rock, 1 C.Y. bucket, hydr. backhoe	B.C.Y.	\$17.29
Excavation	02 315 610 0910	Excavating, trench, 10' to 14' deep, 1 C.Y. bucket, hydraulic backhoe	C.Y.	\$5.27
Excavation	02 315 610 0110	Excavating, trench, 4' to 6' deep, 3/4 C.Y. bucket, expose pipe, hydraulic backhoe	C.Y.	\$5.79
Excavation	02 315 610 0100	Excavating, trench, 4' to 6' deep, 5/8 C.Y. bucket, hydraulic backhoe	C.Y.	\$6.40
Excavation	02 315 610 0510	Excavating, trench, 6' to 10' deep, 1 C.Y. bucket, hydraulic backhoe	C.Y.	\$4.72
Excavation	02 315 610 0500	Excavating, trench, 6' to 10' deep, 3/4 C.Y. bucket, hydraulic backhoe	C.Y.	\$7.72
Excavation	02 315 610 0060	Excavating, trench, common earth, 1' to 4' deep, 1/2 C.Y. cap., tractor loader/backhoe	C.Y.	\$6.81
Excavation	A023150	Excavation-Rock, drilling, blasting, hauling away 4 mi RT, >225 C.Y.	C.Y.	\$45.18
Excavation	A023155	Excavation-Rock, ripped w/ dozer	C.Y.	\$23.21
Excavation	02 910 810 0400	Loam or topsoil, F.E. loader, remove, stockpile on site, spread frm pile to rough grade	C.Y.	\$4.56
Excavation	02 230 500 0100	Stripping, topsoil, sandy loam, adverse cond., 200 H.P. dozer, stripping and stockpile	C.Y.	\$1.70
Excavation	02 230 500 0020	Stripping, topsoil, sandy loam, ideal conditions, 200 H.P. dozer, stripping & stockpile	C.Y.	\$0.86
Excavation	02 230 500 0600	Topsoil stripping and stockpiling, clay, dry and soft, ideal conditions, 200 H.P. dozer	C.Y.	\$1.24
Excavation	02 230 500 1420	Topsoil stripping and stockpiling, loam or topsoil, remove and stockpile on site, 200 HP dozer, 6" deep, 200' haul	C.Y.	\$2.27
Excavation	02 230 500 1430	Topsoil stripping and stockpiling, loam or topsoil, remove and stockpile on site, 200 HP dozer, 6" deep, 300' haul	C.Y.	\$3.76
Excavation	02 230 500 0700	Topsoil stripping and stockpiling, topsoil, clay, dry and soft,adverse conditions, 200 H.P. dozer	C.Y.	\$2.44
Misc. Earthwork	02 315 110 1300	Backfill, bulk, up to 300' haul, dozer backfilling, excludes compaction	C.Y.	\$1.64
Misc. Earthwork	02 315 110 2300	Backfill, trench, 6" to 12" lifts, dozer backfilling, compaction with sheepsfoot roller	C.Y.	\$3.98
Misc. Earthwork	02 315 110 2200	Backfill, trench, 6" to 12" lifts, dozer backfilling, compaction with vibrating roller	C.Y.	\$3.59
Misc. Earthwork	02 315 640 0050	Bedding, for pipe and conduit, crushed or screened bank run gravel, exc. compaction	C.Y.	\$28.55

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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Misc. Earthwork	02 315 320 0100	Compaction, structural, 10 tons, steel wheel tandem roller	Hr.	\$98.74
Misc. Earthwork	02 315 320 0020	Compaction, structural, 5 tons, steel wheel tandem roller	Hr.	\$85.75
Misc. Earthwork	02 315 320 0300	Compaction, structural, common fill, 8" lifts, sheepsfoot or wobbly wheel roller	C.Y.	\$1.56
Misc. Earthwork	02 315 320 0600	Compaction, structural, common fill, 8" lifts, vibratory plate	C.Y.	\$2.13
Misc. Earthwork	02 240 500 0600	Dewatering, pumping, 8 hr., attended 2 hours per day, 2" diaphragm pump	Day	\$145.19
Misc. Earthwork	02 240 500 0800	Dewatering, pumping, 8 hr., attended 8 hours per day, 2" diaphragm pump	Day	\$582.88
Misc. Earthwork	02 315 640 0500	Fill by borrow and utility bedding, for pipe and conduit, compacting bedding in trench	C.Y.	\$4.75
Misc. Earthwork	02 315 640 0100	Fill by borrow and utility bedding, for pipe and conduit, crushed stone, 3/4" to 1/2", excludes compaction	C.Y.	\$35.52
Misc. Earthwork	02 315 640 0200	Fill by borrow and utility bedding, for pipe and conduit, sand, dead or bank, excludes compaction	C.Y.	\$18.47
Misc. Earthwork	02 310 100 0100	Fine grade, for roadway, large area, 6,000 S.Y. or more	S.Y.	\$0.82
Misc. Earthwork	02 310 100 0012	Fine grading, finish grading, small area, to be paved with grader	S.Y.	\$4.14
Misc. Earthwork	02 305 250 0020	Mob. or demob. dozer, loader, backhoe or excavator, 70 H.P. to 250 H.P., up to 50 mi.	Ea.	\$267.28
Misc. Earthwork	02 305 250 0100	Mob. or demob., dozer, loader, backhoe or excavator, above 250 H.P., up to 50 miles	Ea.	\$509.37
Misc. Earthwork	02 305 250 1150	Mobilization or demobilization, for small equipment on flatbed trailer, maximum	Ea.	\$175.37
Farming Practices	L014.1.14.2	Broadcasting Seed (not including seed)	ACRE	\$12.00
Farming Practices	L014.1.14.3	Broadcasting Seed, (by hand) (Not including seed)	ACRE	\$10.50
Farming Practices	L014.1.14.6	Broadcasting Seed, w/ ATV (Not including seed)	ACRE	\$8.00
Farming Practices	L014.3.1.0	Chisel Plow	ACRE	\$17.00
Farming Practices	L014.3.1.8	Conventional Seeding (alfalfa, clover, etc., not including seed)	ACRE	\$17.00
Farming Practices	L014.3.1.7	Cultivating	ACRE	\$15.00
Farming Practices	L014.3.1.15	Deep plowing (10" or more)	ACRE	\$21.50
Farming Practices	L014.3.1.3	Disc Harrow in tandem w/cultipacker	ACRE	\$17.00
Farming Practices	L014.3.1.1	Disk Plow	ACRE	\$17.00
Farming Practices	L014.3.1.11	Disking, Tandem	ACRE	\$15.00
Farming Practices	L014.3.1.21	Drill Small Grains, Conventional Till	ACRE	\$16.00
Farming Practices	L014.3.1.22	Drill Small Grains, Minimum Till	ACRE	\$17.50
Farming Practices	L014.3.4.2	Farm tractor with implement, labor, fuel (140 hp)	HR.	\$85.00
Farming Practices	L014.3.4.3	Farm tractor with implement, labor, fuel (225 hp)	HR.	\$120.00
Farming Practices	L014.3.4.1	Farm tractor with implement, labor, fuel (75 hp or less)	HR.	\$55.00
Farming Practices	L014.3.1.2	Harrowing	ACRE	\$15.00
Farming Practices	L014.3.1.20	Harrowing, Spring Tooth	ACRE	\$14.00
Farming Practices	L014.3.1.14	Manure loading, solid manure	HR.	\$46.00
Farming Practices	L014.3.1.13	Manure pumping	HR.	\$35.00
Farming Practices	L014.3.1.12	Manure spreading (liquid manure)	HR.	\$73.00
Farming Practices	L014.3.1.24	Manure spreading - Injecting Liquid Manure	GAL.	\$0.01
Farming Practices	L014.3.3.1	Manure spreading (solid manure)	HR.	\$50.00
Farming Practices	L014.3.1.5	Molboard plow (sod)	ACRE	\$22.50
Farming Practices	L014.3.1.4	Molboard plow (stubble)	ACRE	\$20.00
Farming Practices	L014.3.2.1	Mowing Hay	ACRE	\$15.00
Farming Practices	L014.3.2.2	Mowing/conditioning	ACRE	\$15.00
Farming Practices	L014.3.1.9	No-till drill	ACRE	\$18.50
Farming Practices	L014.3.1.17	No-till planter	ACRE	\$19.00
Farming Practices	L014.3.2.3	Raking Hay	ACRE	\$10.00
Farming Practices	L014.3.1.16	Rotary Mower	HR.	\$12.00

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

Farming Practices	L014.3.1.18	Side dressing (fertilizer not included)	ACRE	\$10.50
Farming Practices	L014.3.3.2	Spreading Lime (lime not included)	ACRE	\$13.00
Farming Practices	L014.3.3.4	Spraying for weed control (chemicals not included)	ACRE	\$10.50
Farming Practices	L014.3.3.3	Spreading bulk dry fertilizer (not including fertilizer)	ACRE	\$10.00
Farming Practices	L014.3.1.19	Spreading bulk liquid fertilizer (not including fertilizer)	ACRE	\$12.00
Farming Practices	L014.3.2.23	Stalk Shredding, PTO	ACRE	\$15.00
Fencing	L014.7.1.22	Brace, Corner Type, Fence	EA.	\$150.00
Fencing	L014.7.1.23	Brace, End Type, Fence	EA.	\$110.00
Fencing	L014.7.1.6	Fence, Barbed Wire, 3 strand	L.F.	\$2.50
Fencing	L014.7.1.7	Fence, Barbed Wire, 4 strand	L.F.	\$3.00
Fencing	02 820 140 0050	Fence, Chain Link, 5' high, 1 5/8" posts 10' o.c.	L.F.	\$9.43
Fencing	02 820 140 0100	Fence, Chain Link, 6' high, 1 5/8" posts 10' o.c.	L.F.	\$13.71
Fencing	L014.7.1.2	Fence, Electric, 2 strand (Non High Tensile)	L.F.	\$1.15
Fencing	L014.7.1.35	Fence, Electric, 2 strand (temporary fencing)	L.F.	\$0.35
Fencing	L014.7.1.9	Fence, High Tensile, 2 strand	L.F.	\$1.50
Fencing	L014.7.1.10	Fence, High Tensile, 3 strand	L.F.	\$1.60
Fencing	L014.7.1.11	Fence, High Tensile, 4 strand	L.F.	\$2.00
Fencing	L014.7.1.12	Fence, High Tensile, 5 strand	L.F.	\$2.25
Fencing	L014.7.1.13	Fence, High Tensile, 6 strand	L.F.	\$2.55
Fencing	L014.7.1.4	Fence, Wood, 3 board	L.F.	\$6.20
Fencing	L014.7.1.24	Fencing Energizer	EA.	\$550.00
Fencing	L014.7.1.25	Fencing Solar Panel, 18 watt	EA.	\$300.00
Fencing	L014.7.1.17	Fencing, Deer Net, 8ft	L.F.	\$0.80
Fencing	L014.7.1.18	Fencing, Poly Net (sheep & chickens)	L.F.	\$1.15
Fencing	L014.7.1.19	Fencing, Poly Wire	L.F.	\$0.05
Fencing	L014.7.1.3	Fencing, Portable Battery Energizer (Use with Solar Panel)	EA.	\$235.00
Fencing	L014.7.1.20	Fence, Ribbon Fence (for horses - 3 ribbons with posts)	L.F.	\$1.65
Fencing	L014.7.1.16	Fencing, Steel wire (Electric) 12.5 gauge	L.F.	\$0.07
Fencing	L014.7.1.15	Fencing, Woven wire, 4ft, 4"x4"	L.F.	\$1.30
Fencing	L014.7.2.2	Gate, Fence, heavy duty	L.F.	\$16.00
Fencing	L014.7.2.1	Gate, Fence, light duty	L.F.	\$9.00
Fencing	L014.7.2.4	Gate, Fence, Spring Type, 2 Wire	EA.	\$25.00
Fencing	L014.7.1.30	Handle for Gate	EA.	\$5.00
Fencing	L014.7.1.31	Post Hole Digging	EA.	\$4.30
Fencing	L014.7.1.26	Post, Fence, Cedar 6 ft	EA.	\$2.50
Fencing	L014.7.1.27	Post, Fence, Pressure Treated 4x4x8	EA.	\$10.00
Fencing	L014.7.1.32	Post, Fence, Wood/Plastic Composite Line Post	EA.	\$9.45
Fencing	L014.7.1.34	Post, Portable	EA.	\$3.00
Fencing	L014.25.1.4	Remove old Fenceline (3-6' wide)	L.F.	\$0.50
Fencing	L014.24.12.2	Safety Signs, Structure, attached to fence	EA.	\$26.00
Fertilizer	L014.1.2.8	Ammonium sulfate (NH4) 2S04 0-0-20 w/24% sulfur	TON	\$380.00
Fertilizer	L014.1.2.9	DAP 18-46-0	TON	\$490.00
Fertilizer	L014.1.2.51	DAP 18-46-0 (25-50# bags)	LB	\$0.26
Fertilizer	L014.1.2.1	Fertilizer 0-10-40- .2 boron	TON	\$656.00

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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

Fertilizer	L014.1.2.59	Fertilizer 0-10-40- .2 boron (25-50# bags)	LB	\$0.33
Fertilizer	L014.1.2.2	Fertilizer 10-10-10	TON	\$350.00
Fertilizer	L014.1.2.3	Fertilizer 10-10-10 (25-50# bags)	LB	\$0.19
Fertilizer	L014.1.2.4	Fertilizer 10-20-10	TON	\$405.00
Fertilizer	L014.1.2.46	Fertilizer 10-20-10 (25-50# bags)	LB	\$0.22
Fertilizer	L014.1.2.43	Fertilizer 10-20-20	TON	\$500.00
Fertilizer	L014.1.2.44	Fertilizer 10-20-20 (25-50# bags)	LB	\$0.28
Fertilizer	L014.1.2.45	Fertilizer 10-20-20-1.2 magnesium	TON	\$520.00
Fertilizer	L014.1.2.37	Fertilizer 10-6-4	TON	\$275.00
Fertilizer	L014.1.2.38	Fertilizer 10-6-4 (25-50# bags)	LB	\$0.16
Fertilizer	L014.1.2.39	Fertilizer 15-15-15	TON	\$460.00
Fertilizer	L014.1.2.40	Fertilizer 15-15-15 (25-50# bags)	LB	\$0.25
Fertilizer	L014.1.2.41	Fertilizer 19-19-19	TON	\$560.00
Fertilizer	L014.1.2.42	Fertilizer 19-19-19 (25-50# bags)	LB	\$0.30
Fertilizer	L014.1.2.53	Fertilizer 21-0-0	TON	\$350.00
Fertilizer	L014.1.2.54	Fertilizer 21-0-0 (25-50# bags)	LB	\$0.19
Fertilizer	L014.1.2.7	Fertilizer 23-12-18	TON	\$560.00
Fertilizer	L014.1.2.49	Fertilizer 23-12-18 (25-50# bags)	LB	\$0.29
Fertilizer	L014.1.2.63	Fertilizer 5-10-10	TON	\$315.00
Fertilizer	L014.1.2.64	Fertilizer 5-10-10 (25-50# bags)	LB	\$0.17
Fertilizer	L014.1.2.61	Fertilizer 5-10-5	TON	\$275.00
Fertilizer	L014.1.2.62	Fertilizer 5-10-5 (25-50# bags)	LB	\$0.16
Fertilizer	L014.1.2.65	Fertilizer 5-20-20	TON	\$500.00
Fertilizer	L014.1.2.36	Fertilizer 5-20-20 (25-50# bags)	LB	\$0.27
Fertilizer	L014.1.2.47	Fertilizer 5-8-12	TON	\$390.00
Fertilizer	L014.1.2.50	Fertilizer 5-8-12 (25-50# bags)	LB	\$0.22
Fertilizer	L014.1.2.13	Lime (calcium) delivered and spread	TON	\$50.00
Fertilizer	L014.1.2.14	Lime (calcium) in bags	TON	\$230.00
Fertilizer	L014.1.2.16	MAP 11-52-0	TON	\$495.00
Fertilizer	L014.1.2.48	MAP 11-52-0 (25-50# bags)	LB	\$0.26
Fertilizer	L014.1.2.26	Potash 0-0-60	TON	\$795.00
Fertilizer	L014.1.2.68	Potash 0-0-60 (25-50# bags)	LB	\$0.41
Fertilizer	L014.1.2.28	Urea 46-0-0	TON	\$450.00
Fertilizer	L014.1.2.58	Urea 46-0-0 (25-50# bags)	LB	\$0.24
Fuel Containment	A132530	Fuel Storage Structure 1000gal, - septic tank, posts, roof & lattice	E.A.	\$4,532.92
Fuel Containment	A132520	Fuel Storage Structure 275 gal, - septic tank, posts, roof & lattice	E.A.	\$2,865.35
Fuel Containment	A132525	Fuel Storage Structure 500 or 550gal, - septic tank, posts, roof & lattice	E.A.	\$3,152.89
Fuel Containment	13 201 300 3330	Fuel Tank, steel, above grd, double wall, 2,000 gal, incl. cradles, coating & fittings	Ea.	\$10,650.68
Fuel Containment	13 201 300 3320	Fuel Tank, steel, above grd, double wall, 500 gal, incl. cradles, coating & fittings	Ea.	\$3,189.79
Fuel Containment	13 201 300 3080	Fuel Tank, steel, above grd, single wall, 1,000 gal, incl. cradles, coating & fittings	Ea.	\$3,751.78
Fuel Containment	13 201 300 3100	Fuel Tank, steel, above grd, single wall, 1,500 gal, incl. cradles, coating & fittings	Ea.	\$5,595.70
Fuel Containment	13 201 300 3120	Fuel Tank, steel, above grd, single wall, 2,000 gal, incl. cradles, coating & fittings	Ea.	\$6,360.35
Fuel Containment	13 201 300 3040	Fuel Tank, steel, above grd, single wall, 275 gal, incl. cradles, coating & fittings	Ea.	\$563.86
Fuel Containment	13 201 300 3060	Fuel Tank, steel, above grd, single wall, 550 gal, incl. cradles, coating & fittings	Ea.	\$3,011.51

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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

Geotextile	L014.10.2.2	Geojute Erosion Control Blanket	S.Y.	\$1.60
Geotextile	L014.10.1.1	Geotextile (non-woven)	S.Y.	\$1.80
Geotextile	L014.10.1.3	Geotextile (woven)	S.Y.	\$2.50
Geotextile	A027450	Liner, pond, LLDPE, 40 mil., incl. sand cushion, geotextile, liner & inst.	S.F.	\$1.79
Geotextile	L014.10.3.3	Liner, pond, LLDPE, 40 mil., includes geotextile, up to two boots, field welding, typ. prep. work	S.F.	\$1.25
Geotextile	L014.10.2.3	Straw Erosion Control Blanket	S.Y.	\$1.75
Geotextile	02 370 700 0100	Synthetic erosion control, plastic netting, 20 mil, 2" x 1" mesh, stapled	S.Y.	\$0.89
Geotextile	02 370 700 1100	Synthetic erosion control, silt fence, polypropylene, adverse conditions, 3' high	L.F.	\$1.09
Geotextile	02 370 700 1000	Synthetic erosion control, silt fence, polypropylene, ideal conditions, 3' high	L.F.	\$0.77
Grazing	L014.25.1.3	"T" Post, 8' galvanized	EA.	\$14.00
Grazing	L014.25.5.14	1 1/4" Check Valve	EA.	\$39.00
Grazing	L014.25.5.5	3/4" Check Valve	EA.	\$27.00
Grazing	L014.16.2.8	Clamp, Stainless Steel, 3/4"	EA.	\$1.00
Grazing	L014.25.5.3	Coupling/Hydrant	EA.	\$33.00
Grazing	L014.25.1.2	Float Valve Assembly - not installed	EA.	\$27.00
Grazing	L014.25.5.0	Heat Tube	EA.	\$80.00
Grazing	L014.25.1.0	Hydrant, Frost Free - installed	EA.	\$247.00
Grazing	L014.25.1.1	Hydrant, Frost Free Hydrant - material cost only	EA.	\$55.00
Grazing	L014.25.5.4	Lead out hose	EA.	\$30.00
Grazing	L014.25.5.13	Lightning Choke	EA.	\$12.00
Grazing	L014.25.5.7	Pasture Irrigation System - 40 mm low density poly pipe	L.F.	\$0.83
Grazing	L014.25.5.8	Pasture Irrigation System - 40 mm pipe union	EA.	\$24.00
Grazing	L014.25.5.15	Pasture Irrigation System - all components excluding pump	ACRE	\$350.00
Grazing	L014.25.5.10	Pasture Irrigation System - Hook caps (for end of lines)	EA.	\$14.25
Grazing	L014.25.5.9	Pasture Irrigation System - Male adapters for 1&1/2 " pipe tread	EA.	\$12.00
Grazing	L014.25.5.6	Pasture Irrigation System - Pod kit with Nozzel	EA.	\$88.50
Grazing	L014.25.5.11	Pasture Irrigation System - Pressure indicator	EA.	\$12.00
Grazing	L014.25.5.12	Pasture Irrigation System - straight couplings	EA.	\$16.00
Grazing	L014.16.2.2	Pipeline, Black Poly, 1", 100 psi, material cost only	L.F.	\$0.70
Grazing	L014.16.2.3	Pipeline, Black Poly, 1", 160 psi, material cost only	L.F.	\$0.65
Grazing	L014.16.2.4	Pipeline, Black Poly, 1-1/4", 160 psi, material cost only	L.F.	\$1.25
Grazing	L014.16.2.5	Pipeline, Black Poly, 1-1/2", 160 psi, material cost only	L.F.	\$1.09
Grazing	L014.16.2.7	Pipeline, Black Poly, 2", 100 psi, material cost only	L.F.	\$1.26
Grazing	L014.16.2.6	Pipeline, Black Poly, 2", 160 psi, material cost only	L.F.	\$1.68
Grazing	L014.16.2.0	Pipeline, Black Poly, 3/4", 100 psi, material cost only	L.F.	\$0.35
Grazing	L014.16.2.1	Pipeline, Black Poly, 3/4", 160 psi, material cost only	L.F.	\$0.55
Grazing	L014.25.6.1	Pump, Electric, 5hp	EA.	\$300.00
Grazing	L014.25.6.4	Pump, HydroRam 2"	EA.	\$500.00
Grazing	L014.25.6.2	Pump, HydroRam, 1"	EA.	\$325.00
Grazing	L014.25.6.3	Pump, HydroRam, 1-1/2"	EA.	\$425.00
Grazing	L014.25.6.5	Pump, Nose Operated, Pasture	EA.	\$435.00
Grazing	L014.25.6.8	Pump, Nose Operated, Pasture - Frost Free (installed)	EA.	\$1,200.00
Grazing	L014.25.6.7	Pump, Solar, w/ 2 panels	EA.	\$1,830.00
Grazing	L014.25.6.6	Pump, Water, Permanently Mounted	EA.	\$635.00

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Grazing	L014.16.2.9	Trench, shallow for buried pipeline (installed w/ plow or back blade)	L.F.	\$0.75
Grazing	L014.25.5.2	Valve, Quick Coupler (male + female)	EA.	\$18.00
Grazing	L014.25.5.1	Valve, Vacuum or Pressure Relief	EA.	\$20.00
Grazing	L014.25.3.1	Water Facility -1000 gal water tank not installed	EA.	\$500.00
Grazing	L014.25.3.2	Water Facility - Heated - Insulated Livestock Waterer	EA.	\$600.00
Grazing	L014.25.3.0	Water Stock Tank, Galvanized Steel- 103 Gallon	EA.	\$95.00
Grazing	L014.25.3.6	Water Stock Tank, Galvanized Steel- 169 Gallon	EA.	\$135.00
Grazing	L014.25.3.7	Water Stock Tank, Galvanized Steel- 200 Gallon	EA.	\$150.00
Grazing	L014.25.3.4	Water Stock Tank, Galvanized Steel- 294 Gallon	EA.	\$205.00
Grazing	L014.25.3.5	Water Stock Tank, Galvanized Steel- 70 Gallon	EA.	\$85.00
Grazing	L014.25.3.8	Water Stock Tank, Movable 35 Gal Polyethylene Barrel, Used	EA.	\$25.00
Grazing	L014.25.3.11	Water Stock Tank, Polyethylene- 100 Gallon	EA.	\$105.00
Grazing	L014.25.3.12	Water Stock Tank, Polyethylene- 150 Gallon	EA.	\$165.00
Grazing	L014.25.3.13	Water Stock Tank, Polyethylene- 300 Gallon	EA.	\$250.00
Grazing	L014.25.3.9	Water Stock Tank, Polyethylene- 50 Gallon	EA.	\$85.00
Grazing	L014.25.3.10	Water Stock Tank, Polyethylene- 70 Gallon	EA.	\$90.00
Grazing	L014.23.5.7	Water Tank Valve, w/ mounting brackets	EA.	\$40.00
Infiltration Area	02 540 400 2800	Crushed stone for trench, 3/4", excludes excavation, piping & fabric	C.Y.	\$36.23
Infiltration Area	02 540 400 2400	Excavate trench for disposal field, 4' wide, w/ backhoe	L.F.	\$2.22
Infiltration Area	L023.10.1.4	Geotextile - Non Woven	S.Y.	\$2.06
Infiltration Area	A025325	Infiltration Chamber- excav., chamber, stone, pipe, geotextile & backfill included	L.F.	\$38.79
Infiltration Area	A025320	Infiltration trench - excav., stone, pipe, geotextile & backfill included	L.F.	\$21.53
Infiltration Area	L025.6.7.1	Leaching Camber - material cost only	L.F.	\$17.26
Infiltration Area	02 530 780 2000	Pipe - PVC, Perforated, 4" diameter, SDR 35, excludes excavation or backfill	L.F.	\$3.06
Insulation	07 210 900 2100	Wall Insulation, Rigid, expanded polystyrene, 1" thick, R3.85	S.F.	\$0.63
Insulation	07 210 900 2120	Wall Insulation, Rigid, expanded polystyrene, 2" thick, R7.69	S.F.	\$1.08
Insulation	07 210 900 2140	Wall Insulation, Rigid, expanded polystyrene, 3" thick, R11.49	S.F.	\$1.51
Agricultural Labor	L014.6.13.4	Labor, Building Fence	HR.	\$17.00
Agricultural Labor	L014.6.13.3	Labor, Operating Machinery	HR.	\$14.50
Agricultural Labor	L014.1.18.30	Labor - Consulting Forester	EA.	\$50.00
Agricultural Labor	L014.6.13.1	Labor, unskilled	HR.	\$11.00
Agricultural Labor	L014.6.13.2	Labor, unskilled w/ chainsaw	HR.	\$24.50
Lanes & Roads	A020219	Walkway, 4' wide, strip, geotextile fabric, 8" stone.	L.F.	\$10.28
Lanes & Roads	A020220	Lane, 8' wide, strip, geotextile fabric, 8" gravel, seeding - incl. Mob.	L.F.	\$16.89
Lanes & Roads	A020221	Lane, 8' wide, strip, geotextile fabric, 12" gravel, seeding - incl. Mob.	L.F.	\$19.65
Lanes & Roads	A020240	Lane, 12' wide, strip, geotextile fabric, 8" gravel, seeding - incl. Mob.	L.F.	\$23.07
Lanes & Roads	A020241	Lane, 12' wide, strip, geotextile fabric, 12" gravel, seeding - incl. Mob.	L.F.	\$27.19
Lanes & Roads	A020170	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 12" gravel, seed & Mob.	L.F.	\$26.66
Lanes & Roads	A020171	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 18" gravel, seed & Mob.	L.F.	\$32.84
Lanes & Roads	A020172	Access Road, 12' wide w/ 1' shoulders, strip, fabric, 12" gravel, seed.	L.F.	\$26.12
Lanes & Roads	A020173	Access Road, 12' wide w/ 1' sholders, strip, fabric, 18" gravel, seed.	L.F.	\$32.31
Lanes & Roads	A020190	Access Road, 16' wide, strip, geotextile fabric, 12" gravel, seed - incl. Mob.	L.F.	\$35.05
Lanes & Roads	A020191	Access Road, 16' wide, strip, geotextile fabric, 18" gravel, seed - incl. Mob.	L.F.	\$43.29
Lanes & Roads	A020192	Access Road, 16' wide, strip, geotextile fabric, 12" gravel & seed.	L.F.	\$34.52

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Lanes & Roads	A020193	Access Road, 16' wide, strip, geotextile fabric, 18" gravel & seed	L.F.	\$42.76
Lumber	15 830 100 8540	Hopper Bldg Exhaust Fan, 800 cfm, 1/12 h.p.	Ea.	\$986.03
Lumber	A061460	Hopper Building, w/ slab, frost wall, windows, metal roof & exhaust fan	S.F.	\$63.14
Lumber	A061470	Hopper Building, wood structure, no conc., metal roof, window, exhaust fan.	Ea.	\$4,765.38
Lumber	06 110 552 0530	Lattice, pressure treated, HD, installed	S.F.	\$1.02
Lumber	A061541	Lumber, Pressure treated , 2" x 4", installed	L.F.	\$0.32
Lumber	A061542	Lumber, Pressure treated , 2" x 6", installed	L.F.	\$0.51
Lumber	A061543	Lumber, Pressure treated , 2" x 8", installed	L.F.	\$0.96
Lumber	A061544	Lumber, pressure treated , 2" x 10", installed	L.F.	\$1.25
Lumber	A061545	Lumber, pressure treated , 2" x 12", installed	L.F.	\$1.67
Lumber	A061546	Lumber, Pressure treated , 4" x 4", installed	L.F.	\$0.51
Lumber	A061547	Lumber, Pressure treated , 4" x 6", installed	L.F.	\$0.96
Lumber	A061548	Lumber, pressure treated , 4" x 8", installed	L.F.	\$1.25
Lumber	A061540	Lumber, Pressure Treated, 6x6, installed as post or column	L.F.	\$5.59
Lumber	A061535	Lumber, Pressure Treated, 8x8, installed as post or column	L.F.	\$9.81
Lumber	A061530	Lumber, Pressure Treated, 10x10, installed as post or column	L.F.	\$15.77
Lumber	A061549	Glulam Post, Pressure Treated	B.F.	\$3.75
Lumber	L014.19.1.12	Glulam PT Post, 9"x8"x14', material cost only	EA.	\$400.00
Lumber	L014.19.1.13	Glulam PT Post, 11"x10.5"x14', material cost only	EA.	\$590.00
CMP Pipe	02 630 510 2520	8" CMP, galvanized uncoated, 20' lengths, 16 ga.,excludes excavation and backfill	L.F.	\$11.86
CMP Pipe	02 630 510 2540	10" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$13.51
CMP Pipe	02 630 510 2560	12" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$15.90
CMP Pipe	02 630 510 2600	18" CMP, galvanized uncoated, 20' lengths, 16 ga., excludes excavation and backfill	L.F.	\$23.73
CMP Pipe	02 630 510 2620	24" CMP, galvanized uncoated, 20' lengths, 14 ga., excludes excavation and backfill	L.F.	\$32.98
CMP Pipe	02 630 510 2640	30" CMP, galvanized uncoated, 20' lengths, 14 ga., excludes excavation and backfill	L.F.	\$44.14
CMP Pipe	02 630 510 2660	36" CMP, galvanized uncoated, 20' lengths, 12 ga., excludes excavation and backfill	L.F.	\$66.20
CMP Pipe	02 630 510 2680	48" CMP, galvanized uncoated, 20' lengths, 12 ga., excludes excavation and backfill	L.F.	\$86.95
CMP Pipe	02 630 510 2690	60" CMP, galvanized uncoated, 20' lengths, 10 ga., excludes excavation and backfill	L.F.	\$140.20
HDPE Pipe	L025.16.1.0	Pipe, Corrugated Plastic Tubing, single wall, perforated, 4", material cost only	L.F.	\$0.61
HDPE Pipe	L025.16.1.1	Pipe, Corrugated Plastic Tubing, single wall, perforated, 6", material cost only	L.F.	\$1.46
HDPE Pipe	L026.16.1.3	Pipe, Corrugated HDPE, Dbl Wall, 8", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$3.96
HDPE Pipe	L026.16.1.4	Pipe, Corrugated HDPE, Dbl Wall, 10", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$5.58
HDPE Pipe	L026.16.1.5	Pipe, Corrugated HDPE, Dbl Wall, 12", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$6.52
HDPE Pipe	L026.16.1.6	Pipe, Corrugated HDPE, Dbl Wall, 15", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$8.40
HDPE Pipe	L026.16.1.7	Pipe, Corrugated HDPE, Dbl Wall, 18", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$12.97
HDPE Pipe	L026.16.1.8	Pipe, Corrugated HDPE, Dbl Wall, 24", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$19.55
HDPE Pipe	L026.16.1.10	Pipe, Corrugated HDPE, Dbl Wall, 30", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$30.09
HDPE Pipe	L026.16.1.12	Pipe, Corrugated HDPE, Dbl Wall, 36", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$37.41
HDPE Pipe	L026.16.1.13	Pipe, Corrugated HDPE, Dbl Wall, 48", 20' lengths, SOIL TIGHT, material cost only	L.F.	\$59.27
Pipe Jacking	02 445 300 0900	For Ledge, horizontal boring, 100' minimum, ADD	L.F.	\$0.00
Pipe Jacking	02 445 300 0100	Horizontal boring, 24" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$323.03
Pipe Jacking	02 445 300 0200	Horizontal boring, 36" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$445.35
Pipe Jacking	02 445 300 0300	Horizontal boring, 48" diameter casing, includes casing only, 100' min., exc. pits	L.F.	\$554.24
HDPE Manure Pipe	A023505	Elbow, HDPE 24" WATER TIGHT - installed w/ clean stone backfill	E.A.	\$829.38

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HDPE Manure Pipe	L026.24.1.23	Elbow, HDPE 24" WATER TIGHT - material cost only	EA.	\$349.52
HDPE Manure Pipe	A023506	Elbow, HDPE 30" WATER TIGHT - installed w/ clean stone backfill	E.A.	\$1,493.05
HDPE Manure Pipe	L026.24.1.24	Elbow, HDPE 30" WATER TIGHT - material cost only	EA.	\$848.80
HDPE Manure Pipe	A023507	Elbow, HDPE 36" WATER TIGHT - installed w/ clean stone backfill	E.A.	\$1,525.47
HDPE Manure Pipe	L026.24.1.25	Elbow, HDPE 36" WATER TIGHT - material cost only	EA.	\$838.07
HDPE Manure Pipe	L026.24.1.26	Pipe, Corrugated HDPE, Dbl Wall, 24", 20' lengths, WATER TIGHT, material cost only	L.F.	\$27.86
HDPE Manure Pipe	L026.24.1.27	Pipe, Corrugated HDPE, Dbl Wall, 30", 20' lengths, WATER TIGHT, material cost only	L.F.	\$43.66
HDPE Manure Pipe	L026.24.1.28	Pipe, Corrugated HDPE, Dbl Wall, 36", 20' lengths, WATER TIGHT, material cost only	L.F.	\$54.26
HDPE Manure Pipe	A023500	Pipe, HDPE 24" WATER TIGHT - installed w/ clean stone envelope	L.F.	\$65.66
HDPE Manure Pipe	A023501	Pipe, HDPE 30" WATER TIGHT - installed w/ clean stone envelope	L.F.	\$83.70
HDPE Manure Pipe	A023502	Pipe, HDPE 36" WATER TIGHT - installed w/ clean stone envelope	L.F.	\$96.54
Poly Pipe	A023415	1 1/2" Poly. 160 psi Waterline, 4' deep, bankrun gravel initial backfill	L.F.	\$4.49
Poly Pipe	A023410	1 1/4" Poly. 160 psi Waterline, 4' deep, bankrun gravel initial backfill	L.F.	\$4.65
Poly Pipe	A023405	1" Poly. 160 psi Waterline, 4' deep, bankrun gravel initial backfill	L.F.	\$4.05
Poly Pipe	A023420	2" Poly. 160 psi Waterline, 4' deep, bankrun gravel initial backfill	L.F.	\$5.08
Poly Pipe	A023400	3/4" Poly. 160 psi Waterline, 4' deep, bankrun gravel initial backfill	L.F.	\$3.95
PVC Pipe Valves	L151.17.3.6	Ball Valve, 3 Way, True Union, Socket, 1-1/2"	EA.	\$168.67
PVC Pipe Valves	L151.17.3.7	Ball Valve, 3 Way, True Union, Socket, 2"	EA.	\$222.74
PVC Pipe Valves	L151.17.3.0	Ball Valve, Socket, 1-1/2", PVC	EA.	\$20.65
PVC Pipe Valves	L151.17.3.1	Ball Valve, Socket, 2", PVC	EA.	\$28.25
PVC Pipe Valves	L151.17.3.2	Ball Valve, True Union, Socket, 1-1/2"	EA.	\$55.19
PVC Pipe Valves	L151.17.3.3	Ball Valve, True Union, Socket, 2"	EA.	\$72.63
PVC Pipe Valves	L151.17.3.5	Ball Valve, True Union, Socket, 3"	EA.	\$152.09
PVC Pipe Valves	L151.17.3.8	Check Valve, True Union, PVC, 1 1/2"	EA.	\$84.35
PVC Pipe Valves	L151.17.3.9	Check Valve, True Union, PVC, 2"	EA.	\$112.29
PVC Pipe Valves	L151.17.3.10	Check Valve, True Union, PVC, 3"	EA.	\$346.15
SCH 40 Pipe	A025590	Pipe, PVC, SCH 40, 2" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$5.13
SCH 40 Pipe	L025.17.2.2	Pipe, PVC, SCH. 40, 2" Dia., Material cost only (Local cost)	L.F.	\$0.75
SCH 40 Pipe	A025600	Pipe, PVC, SCH 40, 3" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$5.69
SCH 40 Pipe	L025.17.2.3	Pipe, PVC, SCH. 40, 3" Dia., Material cost only (Local cost)	L.F.	\$1.39
SCH 40 Pipe	A025605	Pipe, PVC, SCH 40, 4" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$6.57
SCH 40 Pipe	L025.17.2.4	Pipe, PVC, SCH. 40, 4" Dia., Material cost only (Local cost)	L.F.	\$2.40
SCH 40 Pipe	A025610	Pipe, PVC, SCH 40, 6" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$8.43
SCH 40 Pipe	L025.17.2.5	Pipe, PVC, SCH. 40, 6" Dia., Material cost only (Local cost)	L.F.	\$3.81
SCH 40 Pipe	A025615	Pipe, PVC, SCH 40, 8" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$10.27
SCH 40 Pipe	L025.17.2.6	Pipe, PVC, SCH. 40, 8" Dia., Material cost only (Local cost)	L.F.	\$5.92
SCH 40 Pipe	A025620	Pipe, PVC, SCH 40, 10" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$14.25
SCH 40 Pipe	L025.17.2.7	Pipe, PVC, SCH. 40, 10" Dia., Material cost only (Local cost)	L.F.	\$10.50
SCH 40 Pipe	A025625	Pipe, PVC, SCH 40, 12" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$22.17
SCH 40 Pipe	L025.17.2.8	Pipe, PVC, SCH. 40, 12" Dia., Material cost only (Local cost)	L.F.	\$15.55
SDR 26 Pipe	A025550	Pipe, PVC, SDR 26, 2" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$4.93
SDR 26 Pipe	L025.17.2.10	Pipe, PVC, SDR 26, 2" Dia., Material cost only (Local cost)	L.F.	\$0.52
SDR 26 Pipe	A025555	Pipe, PVC, SDR 26, 3" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$5.37
SDR 26 Pipe	L025.17.2.11	Pipe, PVC, SDR 26, 3" Dia., Material cost only (Local cost)	L.F.	\$1.03

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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SDR 26 Pipe	A025560	Pipe, PVC, SDR 26, 4" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$5.84
SDR 26 Pipe	L025.17.2.12	Pipe, PVC, SDR 26, 4" Dia., Material cost only (Local cost)	L.F.	\$1.57
SDR 26 Pipe	A025565	Pipe, PVC, SDR 26, 6" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$8.05
SDR 26 Pipe	L025.17.2.13	Pipe, PVC, SDR 26, 6" Dia., Material cost only (Local cost)	L.F.	\$3.38
SDR 26 Pipe	A025570	Pipe, PVC, SDR 26, 8" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$9.91
SDR 26 Pipe	L025.17.2.14	Pipe, PVC, SDR 26, 8" Dia., Material cost only (Local cost)	L.F.	\$5.51
SDR 26 Pipe	A025575	Pipe, PVC, SDR 26, 10" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$14.25
SDR 26 Pipe	L025.17.2.15	Pipe, PVC, SDR 26, 10" Dia., Material cost only (Local cost)	L.F.	\$10.50
SDR 26 Pipe	A025580	Pipe, PVC, SDR 26, 12" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$18.59
SDR 26 Pipe	L025.17.2.16	Pipe, PVC, SDR 26, 12" Dia., Material cost only (Local cost)	L.F.	\$11.96
SDR 26 Pipe	A025585	Pipe, PVC, SDR 26, 16" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$31.09
SDR 26 Pipe	L025.17.2.17	Pipe, PVC, SDR 26, 16" Dia., Material cost only (Local cost)	L.F.	\$24.47
SDR 35 Pipe	L026.17.4.0	Headwall & Rodent Guard, 4"-8" pipe	EA.	\$60.98
SDR 35 Pipe	A025520	Pipe, PVC, SDR 35, 4" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$5.28
SDR 35 Pipe	L025.17.1.5	Pipe, PVC, SDR 35, 4" Dia., Material cost only (Local cost)	L.F.	\$0.92
SDR 35 Pipe	A025525	Pipe, PVC, SDR 35, 6" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$6.84
SDR 35 Pipe	L025.17.1.6	Pipe, PVC, SDR 35, 6" Dia., Material cost only (Local cost)	L.F.	\$1.98
SDR 35 Pipe	A025530	Pipe, PVC, SDR 35, 8" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$8.19
SDR 35 Pipe	L025.17.1.7	Pipe, PVC, SDR 35, 8" Dia., Material cost only (Local cost)	L.F.	\$3.54
SDR 35 Pipe	A025535	Pipe, PVC, SDR 35, 10" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$9.94
SDR 35 Pipe	L025.17.1.8	Pipe, PVC, SDR 35, 10" Dia., Material cost only (Local cost)	L.F.	\$5.55
SDR 35 Pipe	A025540	Pipe, PVC, SDR 35, 12" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$14.85
SDR 35 Pipe	L025.17.1.9	Pipe, PVC, SDR 35, 12" Dia., Material cost only (Local cost)	L.F.	\$8.23
SDR 35 Pipe	A025545	Pipe, PVC, SDR 35, 15" Dia., Excav. And Backfill Included (avg. trench 3' wide x 5' depth)	L.F.	\$18.86
SDR 35 Pipe	L025.17.1.10	Pipe, PVC, SDR 35, 15" Dia., Material cost only (Local cost)	L.F.	\$12.23
Steel Pipe	L151.18.2.1	16" dia. Elbow, Steel, 15 or 30 deg., MATERIAL COST ONLY	EA.	\$326.64
Steel Pipe	L151.18.2.3	16" dia. Elbow, Steel, 45 deg., MATERIAL COST ONLY	EA.	\$426.99
Steel Pipe	L151.18.2.4	16" dia. Elbow, Steel, 60 deg long radius., MATERIAL COST ONLY	EA.	\$651.15
Steel Pipe	L151.18.2.11	16" dia. Elbow, Steel, 90 deg. Long radius, MATERIAL COST ONLY	EA.	\$853.97
Steel Pipe	A151508	16" dia. Pipe, Steel, Waste Transfer - installed w/ clean sand envelope	L.F.	\$119.73
Steel Pipe	L151.18.2.0	16" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$60.85
Steel Pipe	L151.18.3.1	24" dia. Elbow, Steel, long radius 90 deg., MATERIAL COST ONLY	EA.	\$1,348.20
Steel Pipe	A151518	24" dia. Pipe, Steel, Waste Transfer - installed w/ clean sand envelope	L.F.	\$190.70
Steel Pipe	L151.18.3.0	24" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$112.93
Steel Pipe	L151.18.4.1	30" dia. Elbow, Steel, long radius 90 deg., MATERIAL COST ONLY	EA.	\$1,543.56
Steel Pipe	A151528	30" dia. Pipe, Steel, Waste Transfer - installed w/ clean sand envelope	L.F.	\$206.67
Steel Pipe	L151.18.4.0	30" dia. Pipe, Steel, Waste Transfer, MATERIAL COST ONLY	L.F.	\$126.81
Steel Pipe	15 107 620 2070	Pipe, steel, black, welded, 2" diameter, schedule 40, Welded	L.F.	\$16.75
Steel Pipe	15 107 620 2090	Pipe, steel, black, welded, 3" diameter, schedule 40, Welded	L.F.	\$25.90
Steel Pipe	15 107 620 2110	Pipe, steel, black, welded, 4" diameter, schedule 40, Welded	L.F.	\$32.86
Steel Pipe	15 107 620 2130	Pipe, steel, black, welded, 6" diameter, schedule 40, Welded	L.F.	\$52.96
Steel Pipe	A151480	Steel Pipe, 2" dia., SCH 40, material cost only	L.F.	\$6.07
Steel Pipe	A151485	Steel Pipe, 3" dia., SCH 40, material cost only	L.F.	\$10.57
Steel Pipe	A151490	Steel Pipe, 4" dia., SCH 40, material cost only	L.F.	\$14.79

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Steel Pipe	A151495	Steel Pipe, 6" dia., SCH 40, material cost only	L.F.	\$24.57
Retaining Wall	02 830 700 4600	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' W, 9' H, inc. backfill	L.F.	\$177.08
Retaining Wall	02 830 700 4900	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' W, 12' H, inc. backfill	L.F.	\$293.64
Retaining Wall	02 830 700 4350	Retain. walls, stone filled gabions, galv., 33< slope embank., 3' w, 6' h, inc. backfill	L.F.	\$83.54
Retaining Wall	02 830 700 5000	Retain. walls, stone filled gabions, galv., hwy surcharge, 3' W, 12' L, 3' H, inc. backfill	L.F.	\$398.73
Retaining Wall	02 830 700 4500	Retain. walls, stone filled gabions, hwy surcharge, 3' W, 6' L, 3' H, inc. backfill	L.F.	\$160.73
Retaining Wall	02 830 700 4700	Retain.walls, stone filled gabions, galv., hwy surcharge, 3' W, 9' L, 3' H, inc. backfill	L.F.	\$275.56
Riprap	02 370 450 0600	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 12" deep	S.Y.	\$50.06
Riprap	02 370 450 0700	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 18" deep	S.Y.	\$72.71
Riprap	02 370 450 0800	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 36" deep	S.Y.	\$113.01
Riprap	02 370 450 0500	Gabion boxes, galvanized steel mesh mats or boxes, stone filled, 9" deep	S.Y.	\$45.95
Riprap	02 370 450 0100	Rip-rap and rock lining, random, broken stone, machine placed for slope protection	C.Y.	\$50.03
Riprap	02 370 450 0200	Rip-rap, random, broken stone, 18" min. thickness, machine placed slope protection	S.Y.	\$76.79
Roof	07 710 650 0012	Aluminum gutters, stock units, plain, 5" box, .027" thick	L.F.	\$4.53
Roof	07 710 650 0300	Aluminum gutters, stock units, plain, 5" box, .032" thick	L.F.	\$4.52
Roof	L061.21.2.0	Roof Structure - hoop type, truss arch w/ fabric. Foundation - posts or wall not included.	S.F.	\$10.01
Roof	A061520	Roof Structure - hoop type, truss arch w/ fabric, mounted on 8x8 PT posts.	S.F.	\$11.73
Roof	A061525	Roof Structure - hoop type, truss arch w/ fabric, mounted on PT glulam posts.	S.F.	\$13.06
Roof	A061500	Roof Structure - pole type w/ wood truss & metal roof, mounted on PT posts.	S.F.	\$9.42
Roof	A023440	Trench Drain for roof runoff, 2'w x 3' d, stone backfill	L.F.	\$11.23
Seeds	L014.1.3.1	"Conservation Mix"	LB.	\$1.85
Seeds	L014.1.3.23	"Pasture Mix" (Typical Cool Season)	LB.	\$2.60
Seeds	L014.1.3.3	"Pasture Mix" (Typical Cool Season) (organic)	LB.	\$3.50
Seeds	L014.1.3.5	Alfalfa	LB.	\$3.50
Seeds	L014.1.3.6	Alfalfa (leaf hopper resistant)	LB.	\$4.12
Seeds	L014.1.3.7	Alfalfa (organic)	LB.	\$4.70
Seeds	L014.1.3.8	Annual ryegrass	LB.	\$0.75
Seeds	L014.1.3.53	Barley	LB.	\$0.34
Seeds	L014.1.3.10	Barley (organic)	LB.	\$0.32
Seeds	L014.1.3.11	Birdsfoot trefoil	LB.	\$4.42
Seeds	L014.1.3.54	Buckwheat	LB.	\$0.52
Seeds	L014.1.3.13	Buckwheat (organic)	LB.	\$0.70
Seeds	L014.1.3.14	Chickory	LB.	\$8.00
Seeds	L014.1.3.15	Clover - Alsike	LB.	\$1.60
Seeds	L014.1.3.16	Clover - Alsike (organic)	LB.	\$2.75
Seeds	L014.1.3.64	Clover - Dutch white	LB.	\$3.65
Seeds	L014.1.3.17	Clover - Dutch white (organic)	LB.	\$5.00
Seeds	L014.1.3.18	Clover - Ladino	LB.	\$4.05
Seeds	L014.1.3.19	Clover - Mammoth red	LB.	\$2.45
Seeds	L014.1.3.20	Clover - Red	LB.	\$3.25
Seeds	L014.1.3.21	Clover - Red (organic)	LB.	\$4.25
Seeds	L014.1.3.22	Clover - White	LB.	\$6.50
Seeds	L014.1.3.24	Creeping Red Fescue	LB.	\$1.80
Seeds	L014.1.3.26	Hairy Vetch	LB.	\$2.30

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Seeds	L014.1.3.27	Hairy Vetch (organic)	LB.	\$2.80
Seeds	L014.1.3.63	Inoculant (treats 50-60 lbs of legume)	PKG	\$4.75
Seeds	L014.1.3.28	Kentucky Bluegrass	LB.	\$2.85
Seeds	L014.1.3.33	Oats (organic)	LB.	\$0.40
Seeds	L014.1.3.32	Oats, bulk	LB.	\$0.30
Seeds	L014.1.3.34	Orchardgrass	LB.	\$3.75
Seeds	L014.1.3.35	Orchardgrass (organic)	LB.	\$6.15
Seeds	L014.1.3.36	Perennial Ryegrass	LB.	\$1.90
Seeds	L014.1.3.57	Perennial Ryegrass (Organic)	LB.	\$3.35
Seeds	L014.1.3.39	Smooth Bromegrass	LB.	\$2.35
Seeds	L014.1.3.68	Smooth Bromegrass (organic)	LB.	\$2.80
Seeds	L014.1.3.66	Sorghum-Sudangrass	LB.	\$0.80
Seeds	L014.1.3.41	Tall Fescue (Ky-31) (requires approval)	LB.	\$1.75
Seeds	L014.1.3.42	Tall Fescue (Low Endophyte ) (requires approval)	LB.	\$2.00
Seeds	L014.1.3.44	Timothy	LB.	\$1.75
Seeds	L014.1.3.45	Timothy (organic)	LB.	\$3.25
Seeds	L014.1.3.48	Wildflower mix (perennial)	LB.	\$35.00
Seeds	L014.1.3.50	Winter Cereal Rye (in 50 lb bulk bags)	LB.	\$0.32
Seed & Mulch	A014340	Seed, Lime, Fertilize & Mulch - meets VT Eng. Spec. #52	ACRE	\$1,428.00
Seed & Mulch	02 920 310 0600	Seeding, mechanical apply limestone, 50 lbs per M.S.F., hand push spreader	M.S.F.	\$6.18
Seed & Mulch	02 920 310 0800	Seeding, mechanical seeding grass seed, 4.5 lbs per M.S.F., hand push spreader	M.S.F.	\$22.66
Seed & Mulch	02 910 500 0350	Soil preparation, mulching, hay, 1" deep, power mulcher, large	M.S.F.	\$62.43
Seed & Mulch	02 910 500 0250	Soil preparation, mulching, hay, 1" deep, power mulcher, small	M.S.F.	\$66.46
Warm Season Seeds	L014.1.4.1	Big Bluestem	LB.	\$15.00
Warm Season Seeds	L014.1.4.2	Deertongue	LB.	\$16.00
Warm Season Seeds	L014.1.4.8	Eastern Gamma Grass	LB.	\$13.00
Warm Season Seeds	L014.1.4.3	Indiangrass	LB.	\$13.00
Warm Season Seeds	L014.1.4.4	Little Bluestem	LB.	\$14.00
Warm Season Seeds	L014.1.4.6	Sand Lovegrass	LB.	\$10.00
Warm Season Seeds	L014.1.4.7	Switchgrass	LB.	\$12.00
Test Pits	01 450 500 4400	Soil testing, Atterberg limits, liquid and plastic limits	Ea.	\$65.00
Test Pits	01 450 500 4510	Soil testing, Hydrometer analysis	Ea.	\$120.00
Test Pits	01 450 500 4750	Soil testing, Moisture content, ASTM D 2216	Ea.	\$10.00
Test Pits	01 450 500 4780	Soil testing, permeability test, double ring infiltrometer	Ea.	\$550.00
Test Pits	01 450 500 4800	Soil testing, permeability, variable or constant head, undisturbed, ASTM D 2434	Ea.	\$250.00
Test Pits	01 450 500 4900	Soil testing, Proctor compaction, 4" standard mold, ASTM D 698	Ea.	\$135.00
Test Pits	01 450 500 4950	Soil testing, Proctor compaction, 6" modified mold	Ea.	\$75.00
Test Pits	01 450 500 4600	Soil testing, Sieve analysis, washed, ASTM D 422	Ea.	\$60.00
Test Pits	01 450 500 4530	Soil testing, Specific gravity, ASTM D 354	Ea.	\$48.00
Test Pits	A014160	Soil Testing, waste storage pond-classification & permeability	EA.	\$880.00
Test Pits	02 210 700 0130	Subsurface investigation, test pits, loader/backhoe, heavy soil	C.Y.	\$67.63
Test Pits	02 210 700 0120	Subsurface investigation, test pits, loader/backhoe, light soil	C.Y.	\$48.23
Test Pits	A022515	Testpits for Manure Storage, approx. 4 pits	L.S.	\$962.50
Trees & Shrubs	L014.1.18.25	Brush mats with staples - 3x3 ft	EA.	\$1.80

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Trees & Shrubs	L014.1.18.31	Forest Stand Improvement, Marking	ACRE	\$30.00
Trees & Shrubs	L014.1.18.32	Forest Stand Improvement, Brush Saw	ACRE	\$175.00
Trees & Shrubs	L014.1.18.33	Forest Stand Improvement, Chain Saw	ACRE	\$236.67
Trees & Shrubs	L014.1.18.46	Labor - collecting, assembling and installing wattles	HR.	\$0.00
Trees & Shrubs	L014.1.18.47	Labor - installing wattles	L.F.	\$2.50
Trees & Shrubs	L014.1.18.41	Labor - planting live stakes	EA.	\$1.00
Trees & Shrubs	L014.1.18.42	Labor - collecting and planting live stakes	EA.	\$0.00
Trees & Shrubs	L014.1.18.27	Labor - planting tree or shrub only	EA.	\$2.00
Trees & Shrubs	L014.1.18.28	Labor - planting tree or shrub with protector, mat and stake	EA.	\$4.00
Trees & Shrubs	L014.1.18.30	Labor - Consulting Forester	EA.	\$50.00
Trees & Shrubs	L014.20.2.3	Live Stakes	EA.	\$1.50
Trees & Shrubs	L014.1.18.36	Rooted Cuttings, 6-18", native and local	EA.	\$1.75
Trees & Shrubs	L014.1.18.26	Stakes - 4 ft hardwood	EA.	\$2.74
Trees & Shrubs	L014.1.18.40	Stakes - Bamboo	EA.	\$0.24
Trees & Shrubs	L014.1.18.18	Tree or shrub - 1-2 ft bare root, native	EA.	\$2.25
Trees & Shrubs	L014.1.18.34	Tree or shrub - 2-3 ft bare root, native	EA.	\$2.95
Trees & Shrubs	L014.1.18.19	Tree or shrub - 3-4 ft bare root, native	EA.	\$3.45
Trees & Shrubs	L014.1.18.35	Tree or shrub - 4-5 ft bare root, native	EA.	\$3.95
Trees & Shrubs	L014.1.18.20	Tree or shrub - 5+ ft bare root, native	EA.	\$4.45
Trees & Shrubs	L014.1.18.7	Tree or shrub, conifer - 1-2 ft bare root	EA.	\$2.00
Trees & Shrubs	L014.1.18.8	Tree or shrub, conifer - 2-3 ft bare root	EA.	\$3.00
Trees & Shrubs	L014.1.18.9	Tree or shrub, conifer - 3-4 ft bare root	EA.	\$4.75
Trees & Shrubs	L014.1.18.10	Tree or shrub, conifer - 4-5 ft bare root	EA.	\$6.75
Trees & Shrubs	L014.1.18.3	Tree or shrub, deciduous - 1-2 ft bare root	EA.	\$1.25
Trees & Shrubs	L014.1.18.4	Tree or shrub, deciduous - 2-3 ft bare root	EA.	\$1.50
Trees & Shrubs	L014.1.18.5	Tree or shrub, deciduous - 3-4 ft bare root	EA.	\$2.25
Trees & Shrubs	L014.1.18.6	Tree or shrub, deciduous - 4-5 ft bare root	EA.	\$4.00
Trees & Shrubs	L014.1.18.29	Tree or Shrub, labor, protector, mat and stake	EA.	\$8.70
Trees & Shrubs	L014.1.18.37	Tree protectors 24"	EA.	\$1.40
Trees & Shrubs	L014.1.18.38	Tree Protectors 36"	EA.	\$3.00
Trees & Shrubs	L014.1.18.39	Tree protectors 48"	EA.	\$3.00
Trees & Shrubs	L014.1.18.22	Tublings, 6" native	EA.	\$2.00
Trees & Shrubs	L014.20.2.4	Wattles or Fascines 4-8" diameter, local	L.F.	\$3.00
Waste Transfer	L151.18.2.10	6" Reception pit 2 valve system, for PTO type pump, riser, valves, flex hose, elbow, clamps	EA.	\$2,703.46
Waste Transfer	L151.18.2.6	Guillotine Safety Valve, 12" dia. , material cost only	EA.	\$2,251.44
Waste Transfer	L151.18.2.5	Guillotine Safety Valve, 16" dia. , material cost only	EA.	\$2,344.44
Waste Transfer	L151.18.2.8	Guillotine Safety Valve, 6" dia. , material cost only	EA.	\$902.27
Waste Transfer	L151.18.2.7	Guillotine Safety Valve, 8" dia. , material cost only	EA.	\$996.80
Waste Transfer	L025.24.7.11	Hydraulic Transfer Pump	EA.	\$2,162.87
Waste Transfer	L014.24.5.4	Manure Agitator, propeller w/ 10 hp electric motor, includes wiring	EA.	\$9,419.65
Waste Transfer	L014.24.3.6	Manure Pump, 4" Electric, liquid manure only, w/ 10hp motor, use 6" transfer pipe, inc. wiring	EA.	\$14,852.25
Waste Transfer	L014.24.3.1	Manure Pump, Agitator/Unload, trailer type, PTO type	EA.	\$23,109.00
Waste Transfer	L014.24.3.4	Manure Pump, Agitator/Unload, vertical wall type, 3pt hitch, PTO type	EA.	\$11,564.00
Waste Transfer	L014.24.3.5	Manure Pump, Auger, w/ electric motor	EA.	\$7,932.70

**2010 Vermont Component Average Cost Data (St. Johnsbury Zip Code Area 058)**

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

Waste Transfer	L014.24.5.3	Manure Pump, Hollow Piston Type-slurry manure, no conc. work , inc. wiring, safety valve	EA.	\$31,560.60
Waste Transfer	L014.24.5.7	Manure Pump, Solid Piston Type-solid manure, no conc. work , inc. wiring, safety valve	EA.	\$38,089.15
Waste Transfer	L014.24.4.1	Manure, Elevator, 40ft, suspended, inc. wiring, no concrete	EA.	\$20,318.20
Waste Transfer	A151510	Pushoff Safety Stop - 8' width, 4" steel pipe, 4" posts	EA.	\$932.16
Waste Transfer	A151505	Safety Grate-6' diam. , 4" steel pipe	Ea.	\$1,514.36
Waste Transfer	L151.24.12.1	Safety Signs, Structure or Hopper	EA.	\$28.12
Waste Transfer	L025.24.7.4	Sewage Pump, 2" solids handling, 0.5 - 1hp, inc floats, control, wiring & tank plumbing	EA.	\$2,951.49
Waste Transfer	L025.24.7.2	Sewage Pump, 2" solids handling, 1.5 - 2hp, inc floats, control, wiring & tank plumbing	EA.	\$3,263.07
Waste Transfer	L025.24.7.7	Sewage Pump, 2" solids, stainless, 0.5 - 1hp, inc floats, control, wiring & tank plumbing	EA.	\$2,951.49
Waste Transfer	L025.24.7.3	Sewage Pump, 3" Agitator Type, vertical shaft, 3 - 5hp motor, includes wiring	EA.	\$6,135.42
Waste Transfer	L025.24.7.5	Sewage Pump, 3" solids handling, 3hp, inc floats, control, wiring & tank plumbing	EA.	\$5,458.16
Waste Transfer	L025.24.7.8	Silage Leachate Screen, 16" x 96", 4x4PT Frame, Stainless Steel Wire Cloth	EA.	\$234.44
Water Transfer	02 520 510 1700	Well water, pumps, 1 1/2 HP, 4" submersible, 1-1/2 HP , installed in wells to 100 ft. deep	Ea.	\$1,562.54
Water Transfer	02 520 510 1600	Well water, pumps, 1 HP, 4" submersible, 1 HP , installed in wells to 100 ft. deep	Ea.	\$1,048.22
Water Transfer	02 520 510 1800	Well water, pumps, 2 HP, 4" submersible, 2 HP, installed in wells to 100' deep	Ea.	\$1,892.67
Water Transfer	L025.25.4.1	Well, casing	V.F.	\$11.33
Water Transfer	L025.25.4.5	Well, drilling	V.F.	\$9.15
Wetlands & Wildlife	L014.27.1.21	Apple Tree Pruning (10 Trees per acre)	EA.	\$25.00
Wetlands & Wildlife	L014.27.1.1	Apple Tree Release (10 Trees per acre)	EA.	\$25.00
Wetlands & Wildlife	L014.27.1.12	Brush and Tree Cutting, manual (chainsaw, brushsaw, etc)	ACRE	\$700.00
Wetlands & Wildlife	L014.27.1.20	Brush and Tree Cutting, light mechanical	ACRE	\$700.00
Wetlands & Wildlife	L014.27.1.19	Brush and Tree Cutting, intermediate mechanical	ACRE	\$1,100.00
Wetlands & Wildlife	L014.27.1.13	Brush and Tree Cutting, heavy mechanical	ACRE	\$1,500.00
Wetlands & Wildlife	L014.27.1.21	Apple Tree Pruning (10 Trees per acre)	EA.	\$25.00
Wetlands & Wildlife	L014.27.1.14	Brush and Tree Cutting, post commercial harvest	ACRE	\$250.00
Wetlands & Wildlife	L014.27.1.3	Brushhogging, heavy duty	ACRE	\$58.35
Wetlands & Wildlife	L014.27.1.15	Control of Invasive Plants, 1st application (chemical)	ACRE	\$300.00
Wetlands & Wildlife	L014.27.1.16	Control of Invasive Plants, 2nd application (chemical)	ACRE	\$170.00
Wetlands & Wildlife	L014.27.1.17	Control of Invasive Plants, Light infestation 1st application	ACRE	\$70.00
Wetlands & Wildlife	L014.27.1.18	Control of Invasive Plants, Light infestation 2nd application	ACRE	\$40.00
Wetlands & Wildlife	L014.27.1.2	Delayed Mowing/Brushhogging, light duty	ACRE	\$33.33
Wetlands & Wildlife	L014.27.1.7	Mast Tree Release (10 Trees per Acre)	EA.	\$25.00
Wetlands & Wildlife	L014.27.1.8	Vegetation Restoration – herbaceous plants (2" plugs)	EA.	\$1.25
Wetlands & Wildlife	L014.27.1.9	Vegetative Restoration – wetland seeding	ACRE	\$105.00