

TOWN OF BOWDOINHAM
 CONCEPTUAL RECYCLING BARN COSTS
 DRAFT SEPTEMBER 2023

Prepared by: Barton and Loguidice

ITEM	QUANTITY	PAY UNIT	UNIT COST	TOTAL COST
A - SITE CONSTRUCTION ITEMS				
SEDIMENTATION CONTROLS (SILT FENCE)	800	LF	\$5.00	\$4,000.00
SEDIMENTATION CONTROLS (HAYBALES)	100	LF	\$11.50	\$1,150.00
SEDIMENTATION CONTROLS (INLET CONTROL DEVICE)	2	EA	\$200.00	\$400.00
SITE CLEARING AND GRUBBING, SIGHT LINE CLEARING	18888	SF	\$1.00	\$18,888.00
ANTI-TRACKING PAD	1	LS	\$2,600.00	\$2,600.00
SAWCUT BITUMINOUS CONCRETE PAVEMENT	200	LF	\$5.50	\$1,100.00
FORMATION OF SUBGRADE	7460	SY	\$2.00	\$14,920.00
PROCESSED AGGREGATE	903	CY	\$40.00	\$36,112.50
BITUMINOUS CONCRETE (HMA - 3" THICK)	600	TON	\$130.00	\$78,000.00
TOPSOIL	6000	SY	\$5.50	\$33,000.00
TURF ESTABLISHMENT	6000	SY	\$2.00	\$12,000.00
GRADING	8,000	CY	\$12.50	\$100,000.00
TOTAL SITE CONSTRUCTION ITEMS				\$302,170.50
B - RECYCLING FACILITY ITEMS				
ENTRANCE GATE (SWING)	2	EA.	\$5,250.00	\$10,500.00
CHAIN LINK FENCE (6' TALL)	150	LF	\$65.00	\$9,750.00
10,000 GALLON FIRE SUPPRESSION TANK	1	LS	\$70,000.00	\$70,000.00
DIRECTIONAL/INFORMATIONAL SIGNAGE	200	SF	\$25.00	\$5,000.00
LINE STRIPING	558	LF	\$1.25	\$697.50
PAINTED PAVEMENT LEGENDS, ARROWS & MARKINGS	400	SF	\$4.50	\$1,800.00
CONCRETE PADS FOR APRONS	1000	SF	\$16.00	\$16,000.00
TRANSFER STATION SUBTOTAL				\$113,747.50
RENOVATED RECYCLING BARN				
				\$1,655,000.00
STRUCTURES SUBTOTAL				\$1,655,000.00
TOTAL RECYCLING FACILITY ITEMS				\$1,768,747.50
C - ENVIRONMENTAL ITEMS, MOLD ABATEMENT ALLOWANCE				
TOTAL LUMP SUM ITEMS				\$40,000.00
D - TRAFFIC ITEMS				
TOTAL LUMP SUM ITEMS				\$128,000.00
CONSTRUCTION COSTS (A+ B + C + D)				
TOTAL CONSTRUCTION COSTS				\$2,238,918.00
E - MINOR ITEMS/CONTINGENCY COSTS				
10% OF (A + B + C + D)				\$223,891.80
TOTAL LUMP SUM ITEMS				\$223,891.80
F- LUMP SUM ITEMS (PERCENTAGE OF A + B + C + D)				
MOBILIZATION (5.0%)	1	LS	\$111,945.90	\$111,945.90
DESIGN			0.08	\$179,113.44
CONSTRUCTION ADMINISTRATION AND INSPECTION			0.06	\$134,335.08
TOTAL LUMP SUM ITEMS				\$425,394.42
TOTAL CONSTRUCTION COSTS				
TOTAL CONSTRUCTION ITEMS (A + B + C + D)				\$2,238,918.00
TOTAL MINOR ITEMS/CONTINGENCY COSTS (E)				\$223,891.80
TOTAL LUMP SUM ITEMS (F)				\$425,394.42
TOTAL OPINION OF CONSTRUCTION COSTS (2023)				\$2,888,204.22

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OFF SITE IMPROVEMENTS (Traffic)

Sight Line Clearing	24000 SF		2	48000
Vertical Curve Flattening on Route 138	LS			80000
				\$ 128,000

Building Renovation

ADA Compliant Entrances/Exits and Ramps, Doors				\$ 25,000
Electric Wiring, Lighting, Emergency Lighting etc.				\$ 480,000
Heating, Office and Restroom, Nominal throughout				\$ 100,000
Water supply well				\$ 12,000
Septic System, Pump, Tank Leaching, piping				\$ 20,000
Roof Structure, Truss Repair and Additional Framing (to be inspected after removal of existing insulation)				\$ 200,000
Stair and Wall Framing Restoration/Repair				\$ 200,000
Wall sheathing exterior	20000 SF	\$	2.50	\$ 50,000
Wall sheathing interior	20000	\$	2.50	\$ 50,000
Vapor Barrier, Insulation, Walls	20000	\$	2.50	\$ 50,000
Vapor Barrier, Insulation, Roof	24000	\$	2.00	\$ 48,000
Removal and Disposal of Styrofoam and plastic				\$ 50,000
Misc. Concrete				\$ 50,000
Sprinkler System			lump sum retrofit 24,000 sq. ft.	\$ 200,000
Roof Replacement, corrugated 26 gauge steel	24000	\$	5.00	\$ 120,000
				\$ 1,655,000

TOTAL OPINION OF CONSTRUCTION COSTS (2024)	\$3,061,496.48
use	\$ 3.1 Million

TOTAL OPINION OF CONSTRUCTION COSTS (2025)	\$3,234,788.73
use	\$ 3.2 Million