

PRELIMINARY CONCEPT ESTIMATE
TEXTILE ROAD GREEN BUFFER
Pittsfield Charter Township
October 3, 2019

ITEM A - Landscape Restoration

	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1	Mobilization - Assume Township Labor	1	SUM	\$0.00	\$0
2	Shade Trees - 1" caliper	45	EA	\$100.00	\$4,500
3	Shade Trees - 2" caliper	100	EA	\$200.00	\$20,000
4	Shade Trees - 3" caliper	50	EA	\$270.00	\$13,500
5	Large Shrubs - 5 gallon	65	EA	\$40.00	\$2,600
6	Forbes seed mix - Marsh. Meadows (9,000 sy total)	0	SY	\$3.00	\$0
7	Native grass mix - Marsh. Meadows (9,000 sy total)	4500	SY	\$2.00	\$9,000
8	Forbes seed mix - Pitt. Preserve (28,000 sy total)	1000	SY	\$3.00	\$3,000
9	Native grass mix - Pitt. Preseve (28,000 sy total)	28000	SY	\$1.50	\$42,000
SUBTOTAL					\$94,600
10% CONTINGENCY					\$9,460
TOTAL ESTIMATE ITEM A					\$104,060
Funding source: \$80,902 from Tree Mitigaton Fund, \$23,158 from SEMCOG Grant					

ITEM B - Bioretention Pond					
1	Big Blue Stem - 1 gallon	28	EA	\$15.00	\$420
2	Switch Grass - 1 gallon	102	EA	\$15.00	\$1,530
3	Swamp Milkweed - 3" pot	41	EA	\$7.50	\$308
4	Tall Coreopsis- 3" pot	8	EA	\$7.50	\$60
5	Purple Coneflower- 3" pot	8	EA	\$7.50	\$60
6	Boneset- 3" pot	33	EA	\$7.50	\$248
7	Joe Pye Weed- 3" pot	22	EA	\$7.50	\$165
8	White Snakeroot- 3" pot	55	EA	\$7.50	\$413
9	Shneezeweed- 3" pot	39	EA	\$7.50	\$293
10	Blue Flag Iris- 3" pot	33	EA	\$7.50	\$248
11	Bee Balm- 3" pot	28	EA	\$7.50	\$210
12	Blazing Star- 3" pot	29	EA	\$7.50	\$218
13	Black-Eyed Susan- 3" pot	34	EA	\$7.50	\$255
14	Rough Goldenrod- 3" pot	29	EA	\$7.50	\$218
15	Blue Vervain- 3" pot	17	EA	\$7.50	\$128
16	Grey Dogwood 5 Gallon	3	EA	\$40.00	\$120
17	Redosier Dogwood 5 Gallon	3	EA	\$40.00	\$120
18	Fragrant Sumac 5 Gallon	12	EA	\$40.00	\$480
19	Elderberry 5 Gallon	3	EA	\$40.00	\$120
20	Witchhazel 5 Gallon	10	EA	\$40.00	\$400
21	Large Boulders	13	EA	\$100.00	\$1,300
22	Medium Boulders	12	EA	\$50.00	\$600
23	Small Boulders	18	EA	\$25.00	\$450
24	Silt Fence	170	LF	\$2.00	\$340
25	Clean out	4	EA	\$50.00	\$200
26	Concrete Flared End Section for 6" pipe	1	EA	\$30.00	\$30
27	Rock Channel Protection	6	SF	\$10.00	\$60
28	6" Storm Pipe - perforated underdrain	185	LF	\$12.00	\$2,220
29	Decorative Gravel - Bio Swale (1,030 SF at 8" depth)	25	CY	\$65.00	\$1,625
30	Non-Woven Geotextile Fabric per MDOT 910	457	SF	\$2.00	\$914
31	Sign	1	EA	\$300.00	\$300
32	Seeding	375	SY	\$0.50	\$188
33	Excavation (Township labor and equipment)	200	CY	\$0.00	\$0
SUBTOTAL					\$14,237
10% CONTINGENCY					\$1,424
TOTAL ESTIMATE ITEM B					\$15,660
Funding Source: SEMCOG Grant					

ITEM C - Bioswale					
1	Switch Grass - 1 gallon	42	EA	\$15.00	\$630
2	Swamp Milkweed - 3" pot	23	EA	\$7.50	\$173
3	Tall Coreopsis- 3" pot	8	EA	\$7.50	\$60
4	Purple Coneflower- 3" pot	8	EA	\$7.50	\$60
5	Boneset- 3" pot	10	EA	\$7.50	\$75
6	Joe Pye Weed- 3" pot	5	EA	\$7.50	\$38
7	White Snakeroot- 3" pot	3	EA	\$7.50	\$23
8	Sneezeweed- 3" pot	5	EA	\$7.50	\$38
9	Blue Flag Iris- 3" pot	15	EA	\$7.50	\$113
10	Bee Balm- 3" pot	17	EA	\$7.50	\$128
11	Blazing Star- 3" pot	3	EA	\$7.50	\$23
12	Black-Eyed Susan- 3" pot	17	EA	\$7.50	\$128
13	Rough Goldenrod- 3" pot	17	EA	\$7.50	\$128
14	Blue Vervain- 3" pot	10	EA	\$7.50	\$75
15	Grey Dogwood 5 Gallon	2	EA	\$40.00	\$80
16	Fragrant Sumac 5 Gallon	4	EA	\$40.00	\$160
17	Elderberry 5 Gallon	2	EA	\$40.00	\$80
18	Witchhazel 5 Gallon	3	EA	\$40.00	\$120
19	Aggregate Path - 420 SF, 10 CY at 8" depth	20	CY	\$25.00	\$500
20	Large Boulders	4	EA	\$100.00	\$400
21	Medium Boulders	7	EA	\$50.00	\$350
22	Small Boulders	11	EA	\$25.00	\$275
23	Silt Fence	240	LF	\$2.00	\$480
24	Catch Basin	1	EA	\$50.00	\$50
25	Concrete Flared End Section for 6" pipe	1	EA	\$30.00	\$30
26	6" Storm Pipe	21	LF	\$10.00	\$210
27	Decorative Gravel - Bio Swale (522 SF at 8" depth)	13	CY	\$65.00	\$845
28	Decorative Gravel - Check Dam (0.5 cy each)	1.5	CY	\$65.00	\$98
29	Non-Woven Geotextile Fabric per MDOT 910	522	SF	\$2.00	\$1,044
30	Sign	1	EA	\$300.00	\$300
31	Seeding	550	SY	\$0.50	\$275
32	Excavation (Township labor and equipment)	85	CY	\$0.00	\$0
SUBTOTAL					\$6,984
10% CONTINGENCY					\$698
TOTAL ESTIMATE ITEM C					\$7,682
Funding source: SEMCOG Grant					

ITEM D - Textile Road Trees					
1	Mobilization - Assume Township Labor	1	SUM	\$0.00	\$0.00
2	Shade Trees - 2.5" caliper (100' spacing)	72	EA	\$235.00	\$16,920.00
3	Watering - one year	0	HRS	\$0.00	\$0.00
SUBTOTAL					\$16,920
10% CONTINGENCY					\$1,692
TOTAL ESTIMATE ITEM D					\$18,612
(Tree Mitigation Fund)					
TOTALS					
TOTAL ITEM A					\$104,060
TOTAL ITEM B					\$15,660
TOTAL ITEM C					\$7,682
TOTAL ITEM D					\$18,612
TOTAL ESTIMATE ITEMS A - D					\$146,015
Funding Sources: SEMCOG Grant = \$46,500 ((part of A) +B+C) Tree Mitigation Fund = \$99,515 ((part of A) +D)					
<p>Statements of Probable Construction Cost and Detailed Cost Estimates prepared by Stantec represent their best judgement as design professionals familiar with the construction industry. It is recognized, however, that these professionals have no control over the cost of labor, materials, or equipment, over the contractor's method of determining bid prices, or over competitive bidding or market conditions. Accordingly, Stantec cannot and does not guarantee that the bids will not vary from any Statement of Probable Construction Cost or other cost estimates that they have prepared.</p>					