

FEASIBILITY STUDY

Little Miami Scenic Trail Extension Alternatives
Spring Hill Extension (PID 114496)
And Pocahontas Extension (PID 114497)

ATTACHMENT I
Preliminary Cost Estimates



**SHARED-USE PATH CONNECTION COST ESTIMATE
COLUMBIA CONNECTOR TRAIL TO SPRING HILL
(PID 114496)**

ITEM	UNIT	UNIT PRICE	ALTERNATIVE 1		ALTERNATIVE 2	
			QTY	COST	QTY	COST
ROADWAY						
Clearing & Grubbing	ACRE	\$ 6,000.00	2	\$ 12,000.00	2.00	\$ 12,000.00
Sidewalk Removed	SF	\$ 6.00	-	\$ -	7,750.00	\$ 46,500.00
Curb Removed	FT	\$ 10.00	100	\$ 1,000.00	1,400.00	\$ 14,000.00
Excavation	CY	\$ 30.00	1,200	\$ 36,000.00	700	\$ 21,000.00
Embankment	CY	\$ 30.00	4,000	\$ 120,000.00	2,500	\$ 75,000.00
Seeding & Mulching	SY	\$ 10.00	3,400	\$ 34,000.00	3,000	\$ 30,000.00
5'- 7' Sidewalk	SF	\$ 15.00	-	\$ -	70	\$ 1,050.00
Curb Ramp	SF	\$ 25.00	900	\$ 22,500.00	2,300	\$ 57,500.00
12' or 14' Shared Use Path	SY	\$ 50.00	2,900	\$ 145,000.00	2,050	\$ 102,500.00
Curb	FT	\$ 45.00	-	\$ -	1,080	\$ 48,600.00
Subgrade Stabilization	SY	\$ 25.00	2,900	\$ 72,500.00	2,050	\$ 51,250.00
Bikeway Railing	FT	\$ 110.00	160	\$ 17,600.00	350	\$ 38,500.00
EROSION CONTROL						
Tree Planting	EACH	\$ 600.00	150	\$ 90,000.00	30	\$ 18,000.00
Temporary Erosion Control	EACH	\$ 1.00	36,800	\$ 36,800.00	25,000	\$ 25,000.00
Post Construction BMP	LUMP	3%	1,021,710	\$ 30,651.30	1,086,500	\$ 32,595.00
DRAINAGE						
Underdrains	FT	\$ 15	-	\$ -	1,750	\$ 26,250.00
Culvert Type A, <5'	FT	\$ 400	25	\$ 10,000.00	-	\$ -
Catch Basins	EA	\$ 4,000	2	\$ 8,000.00	6	\$ 24,000.00
Manhole No. 3	EA	\$ 4,500	2	\$ 9,000.00	6	\$ 27,000.00
18" Conduit Type B	FT	\$ 180	200	\$ 36,000.00	60	\$ 10,800.00
Full Height Headwalls for Culverts	EA	\$ 10,000	1	\$ 10,000.00		\$ -
PAVEMENT						
Pavement, Mainline	SY	\$ 143	170	\$ 24,310.00	150	\$ 21,450.00
Pavement, Salvage	SY	\$ 143	-	\$ -	700	\$ 100,100.00
UTILITIES						
Electric Distribution Line Relocation	FT	\$ 250	-	\$ -	800	\$ 200,000.00
Water Line Relocation	FT	\$ 500	-	\$ -	-	\$ -
Sanitary Sewer Relocation	FT	\$ 300	-	\$ -	-	\$ -
Relocate Fire Hydrant	EA	\$ 3,000	-	\$ -	2	\$ 6,000.00
TRAFFIC CONTROL						
Signs, Roadway, Ground Mounted	MILE	\$ 100,000	-	\$ -	0	\$ 30,000.00
Signs, Shared-Use Path, Ground Mounted	LUMP	\$ 10,000	1	\$ 10,000.00	1	\$ 10,000.00
Traffic Signal Modification	EA	\$ 130,000	1	\$ 130,000.00	-	\$ -
Pavement Markings	LN MILE	\$ 30,000	0.40	\$ 12,000.00	0.70	\$ 21,000.00
Lighting	LUMP	\$ 25,000	1.00	\$ 25,000.00	-	\$ -
STRUCTURES						
Walton Creek Bridge	LUMP		1	\$ 150,000.00	1	\$ 150,000.00
Segmental Block Wall	LUMP		1	\$ 10,000.00	1	\$ 125,000.00
Cast In Place Concrete Wall	LUMP				-	\$ -
INCIDENTALS						
Field Office	MONTH	\$ 2,500.00	5	\$ 12,500.00	9	\$ 22,500.00
Mobilization	LUMP		1	\$ 45,000.00	1	\$ 45,000.00
Construction Layout & Stakes	LUMP	0.75%	1,262,834	\$ 9,471.25	1,590,114	\$ 11,925.86
Maintaining Traffic	LUMP		1	\$ 15,000.00	1	\$ 50,000.00
Contingency	LUMP	20%	1,052,361	\$ 210,472.26	1,325,095	\$ 265,019.00
Construction Engineering & Inspection	LUMP	7%	1,344,805	\$ 94,136.34	1,719,540	\$ 120,367.79
Inflation Factor		15.56%	1,438,941	\$ 223,956.80	1,839,908	\$ 286,363.23
TOTAL				\$ 1,662,897.95	\$	2,126,270.87

**SHARED-USE PATH CONNECTION COST ESTIMATE
 SPRING HILL TO POCAHONTAS AVE
 (PID 114497)**

ITEM	UNIT	UNIT PRICE	ALTERNATIVE 1		ALTERNATIVE 2	
			QTY	COST	QTY	COST
ROADWAY						
Clearing & Grubbing	ACRE	\$ 6,000.00	2	\$ 12,000.00	2.00	\$ 12,000.00
Sidewalk Removed	SF	\$ 6.00	4,500	\$ 27,000.00	7,400.00	\$ 44,400.00
Curb Removed	FT	\$ 10.00	200	\$ 2,000.00	175.00	\$ 1,750.00
Excavation	CY	\$ 30.00	2,200	\$ 66,000.00	3,000	\$ 90,000.00
Embankment	CY	\$ 30.00	1,700	\$ 51,000.00	600	\$ 18,000.00
Seeding & Mulching	SY	\$ 10.00	5,300	\$ 53,000.00	5,300	\$ 53,000.00
5'- 7' Sidewalk	SF	\$ 15.00	820	\$ 12,300.00	260	\$ 3,900.00
Curb Ramp	SF	\$ 25.00	1,150	\$ 28,750.00	1,150	\$ 28,750.00
12' or 14' Shared Use Path	SY	\$ 50.00	2,850	\$ 142,500.00	2,800	\$ 140,000.00
Curb	FT	\$ 45.00	180	\$ 8,100.00	50	\$ 2,250.00
Subgrade Stabilization	SY	\$ 25.00	2,850	\$ 71,250.00	2,800	\$ 70,000.00
Bikeway Railing	FT	\$ 110.00	400	\$ 44,000.00	150	\$ 16,500.00
EROSION CONTROL						
Tree Planting	EACH	\$ 600.00	165	\$ 99,000.00	115	\$ 69,000.00
Temporary Erosion Control	EACH	\$ 1.00	43,200	\$ 43,200.00	36,600	\$ 36,600.00
Post Construction BMP	LUMP	3%	1,269,350	\$ 38,080.50	3,537,900	\$ 106,137.00
DRAINAGE						
Underdrains	FT	\$ 15	-	\$ -	-	\$ -
Culvert Type A, <5'	FT	\$ 400	-	\$ -	-	\$ -
Catch Basins	EA	\$ 4,000	2	\$ 8,000.00	2	\$ 8,000.00
Manhole No. 3	EA	\$ 4,500	1	\$ 4,500.00	6	\$ 27,000.00
18" Conduit Type B	FT	\$ 180	320	\$ 57,600.00	320	\$ 57,600.00
Full Height Headwalls for Culverts	EA	\$ 10,000	-	\$ -	-	\$ -
PAVEMENT						
Pavement, Mainline	SY	\$ 143	50	\$ 7,150.00	50	\$ 7,150.00
Pavement, Salvage	SY	\$ 143	-	\$ -	-	\$ -
UTILITIES						
Electric Distribution Line Relocation	FT	\$ 250	225	\$ 56,250.00	-	\$ -
Water Line Relocation	FT	\$ 500	-	\$ -	500	\$ 250,000.00
Sanitary Sewer Relocation	FT	\$ 300	LUMP	\$ 10,000.00	-	\$ -
Relocate Fire Hydrant	EA	\$ 3,000	-	\$ -	2	\$ 6,000.00
TRAFFIC CONTROL						
Signs, Roadway, Ground Mounted	MILE	\$ 100,000	0.20	\$ 20,000.00	0.2	\$ 20,000.00
Signs, Shared-Use Path, Ground Mounted	LUMP	\$ 10,000	1	\$ 10,000.00	1	\$ 10,000.00
Traffic Signal Modification	EA	\$ 130,000	2	\$ 260,000.00	2	\$ 260,000.00
Pavement Markings	LN MILE	\$ 30,000	0.40	\$ 12,000.00	0.40	\$ 12,000.00
Lighting	LUMP	\$ 25,000	-	\$ -	-	\$ -
STRUCTURES						
Walton Creek Bridge	LUMP		-	\$ -	-	\$ -
Segmental Block Wall	LUMP		-	\$ -	-	\$ -
Cast In Place Concrete Wall	LUMP		1	\$ 230,000.00	1	\$ 2,550,000.00
INCIDENTALS						
Field Office	MONTH	\$ 2,500.00	7	\$ 17,500.00	7	\$ 17,500.00
Mobilization	LUMP		1	\$ 55,000.00	1	\$ 55,000.00
Construction Layout & Stakes	LUMP	0.75%	1,648,417	\$ 12,363.12	4,680,044	\$ 35,100.33
Maintaining Traffic	LUMP		1	\$ 65,000.00	1	\$ 65,000.00
Contingency	LUMP	20%	1,373,681	\$ 274,736.10	3,900,037	\$ 780,007.40
Construction Engineering & Inspection	LUMP	7%	1,798,280	\$ 125,879.58	4,852,645	\$ 339,685.13
Inflation Factor		15.56%	1,924,159	\$ 299,476.15	5,192,330	\$ 808,134.22
TOTAL				\$ 2,223,635.46		\$ 6,000,464.08

CY 2022-2026 Business Plan Inflation Calculator:

[Not sure if you have the latest calculator? Click here.](#)

Last Modified: 1/26/2022

Today's Date:
August 10, 2022

Please Enter Values in the Yellow Areas Only:

Estimation Start Date:

Less than or Equal to Today's Date
(mm/dd/yyyy)

7/6/2022

Start Date:

Enter Construction Mid-Point Date:

(cannot exceed 08/10/2047)
(mm/dd/yyyy)

7/1/2026

Construction Mid-Point Date:

Present-Day Estimated Cost:

\$1,000,000.00

Estimated Dollar Amount:

Estimate Start Date to Construction Mid-Point Date:

48

Months

Inflation - Start to Mid-Point of Construction:

(compounded growth rate)

Inflated Dollar Amount:

Business Plan

15.6%

\$1,155,644.05

Estimator's Name:

County - Route - Section:

HAM-LMST Spring Hill

PID: 114496 & 114497

Estimator's Notes:

Generalized inflation number for inclusion in conceptual cost estimates