

# **OPINIONS OF PROBABLE COST**

OPINIONS OF PROBABLE COST 12-Foot Wide Trail



	RELIMINARY COST FOR PHASE 1 12' TRAIL			LOCATION: Le	•
PHASE 1 LOCATI	ON: LAKE MURRAY DAM TO SALUDA SHOALS PARK	ESTIMATE BY: SRL			
				DATE: 2/	11/2021
				REVISED:	
				CHECKED BY: TN	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1	Mobilization	1	LS	\$310,000	\$310,000
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$173,500	\$173,500
A-3	Erosion Control	1	LS	\$35,000	\$35,000
B-1	Grading Complete	1	LS	\$1,289,500	\$1,289,500
B-2	12' Concrete Trail	12895	LF	\$81	\$1,044,495
B-3	12' Low Boardwalk	225	LF	\$720	\$162,000
B-4	12' Wood Bridge	40	LF	\$1,620	\$64,800
C-1	4" Topsoil Placement	2200	SY	\$15	\$33,000
C-2	Landscape	19400	SF	\$4	\$77,600
D-1	8" DIP	160	LF	\$90	\$14,400
E-1	Furnish and Install Wayfinding Sign with Support	23	EA	\$810	\$18,630
E-2	Furnish and Install Interpretive Sign with Support	19	EA	\$2,700	\$51,300
E-3	Picnic Table	18	EA	\$2,160	\$38,880
E-4	Bench	23	EA	\$1,350	\$31,050
E-5	Trash Receptacle	27	EA	\$1,350	\$36,450
E-6	Electrical Service	4	LS	\$6,750	\$27,000
		Su	btotal Item		\$3,407,605
	CON	STRUCTION CO	NTINGENC	Y 0%	\$0
	····	Total Cost Estimate			
					\$3,408,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks

5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds

6. Estimate does not include stormwater treatment or permitting.

7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.

8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



PHASE 2 LOCATION: SALUDA SHOALS PARK TO I-20			ESTIMATE BY: SR DATE: 2/1	_
			DATE: 2/1	
				1/2021
			REVISED:	
			CHECKED BY: TN	
ITEM NO. DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1 Mobilization	1	LS	\$499,500	\$499,500
A-2 Clearing & Grubbing - Includes all Demolition	1	LS	\$279,500	\$279,500
A-3 Erosion Control	1	LS	\$56,000	\$56,000
B-1 Grading Complete	1	LS	\$1,154,000	\$1,154,000
B-2 12' Concrete Trail	11540	LF	\$81	\$934,740
B-3 12' Low Boardwalk	850	LF	\$720	\$612,000
B-4 12' High Boardwalk	930	LF	\$900	\$837,000
B-5 12' Wood Bridge	100	LF	\$1,620	\$162,000
B-6 105' Contech-style prefab Bridge	1	LS	\$720,000	\$720,000
C-1 4" Topsoil Placement	230	SY	\$15	\$3,450
C-2 Landscape	2100	SF	\$4	\$8,400
D-1 8" DIP	165	LF	\$90	\$14,850
E-1 Furnish and Install Wayfinding Sign with Support	24	EA	\$810	\$19,440
E-2 Furnish and Install Interpretive Sign with Support	20	EA	\$2,700	\$54,000
E-3 Picnic Table	18	EA	\$2,160	\$38,880
E-4 Bench	24	EA	\$1,350	\$32,400
E-5 Trash Receptacle	27	EA	\$1,350	\$36,450
E-6 Electrical Service	4	LS	\$6,750	\$27,000
	S	ubtotal Item	IS	\$5,489,610
CONST	RUCTION CO	ONTINGENC	Y 0%	\$0
	Total C	Cost Estimat	te	\$5,490,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks

5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds

6. Estimate does not include stormwater treatment or permitting.

7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.

8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:



# ENGINEER'S OPINION OF PROBABLE COST -PRELIMINARY DESIGN ESTIMATE

	RELIMINARY COST FOR PHASE 3 12' TRAIL			LOCATION: Le	xington Co
PHASE 3 LOCATI			ESTIMATE BY: SF	RL	
				DATE: 2/	11/2021
				REVISED:	
				CHECKED BY: TN	1
ITEM NO.	DESCRIPTION	QUANTITY	<b>UNIT</b>	UNIT COST	COST
A-1	Mobilization	1	LS	\$372,000	\$372,000
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$208,000	\$208,000
A-3	Erosion Control	1	LS	\$42,000	\$42,000
B-1	Grading Complete	1	LS	\$851,500	\$851,500
B-2	8' Concrete Trail	600	LF	\$70	\$42,000
B-3	12' Concrete Trail	7915	LF	\$81	\$641,115
B-4	12' Low Boardwalk	600	LF	\$720	\$432,000
B-5	12' High Boardwalk	530	LF	\$900	\$477,000
B-6	12' Wood Bridge	80	LF	\$1,620	\$129,600
B-7	105' Contech-style prefab Bridge	1	LS	\$720,000	\$720,000
C-1	4" Topsoil Placement	130	SY	\$15	\$1,950
C-2	Landscape	1200	SF	\$4	\$4,800
D-1	8" DIP	112	LF	\$90	\$10,080
E-1	Furnish and Install Wayfinding Sign with Support	17	EA	\$810	\$13,770
E-2	Furnish and Install Interpretive Sign with Support	14	EA	\$2,700	\$37,800
E-3	Picnic Table	13	EA	\$2,160	\$28,080
E-4	Bench	17	EA	\$1,350	\$22,950
E-5	Trash Receptacle	20	EA	\$1,350	\$27,000
E-7	Electrical Service	4	LS	\$6,750	\$27,000
			Subtotal Iter	ns	\$4,088,645
	CON	STRUCTION (	CONTINGEN	CY 0%	\$0
		Tota	Cost Estima	ite	\$4,089,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks.

- 5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds.
- 6. Estimate does not include stormwater treatment or permitting.
- 7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.
- 8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.
- 9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:



DESCRIPTION: PRELIMINARY COST FOR TYPICAL TYPE 1 TRAILHEAD			LOCATION: Lex	5
			ESTIMATE BY: SR	
TYPE 1 INCLUDES: 60 PARKING SPACES, RESTROOMS,			DATE: 2/1	1/2021
MAINTENANCE ROOM, TRASH RECEPTACLES,			REVISED:	
			CHECKED BY: TN	
ITEM NO. DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
Mobilization	1	LS	\$43,000	\$43,000
Traffic Control	1	LS	\$10,000	\$10,000
Clearing & Grubbing	1	LS	\$10,500	\$10,500
Erosion Control	1	LS	\$2,500	\$2,500
R&D Asphalt Pavement	250	SY	\$5	\$1,250
Remove Thermoplastic Striping	75	LF	\$2	\$150
Remove Pavement Markings	4	EA	Ş50	\$200
Grading Complete	1	LS	\$10,000	\$10,000
Concrete Curb	200	LF	\$20	\$4,000
Curb Ramps + Warning Strip	2	EA	\$3,500	\$7,000
Stamped Concrete	3300	SF	\$20	\$66,000
12' Concrete Trail	20	LF	\$81	\$1,620
Concrete Wheel Stop	60	EA	\$45	\$2,700
Pavement Mill & Overlay	4170	SY	\$30	\$125,100
Accessible Parking Stall Pavement Marking	3	EA	\$30	\$90
Thermoplastic Pavement Marking, White (24")	120	LF	\$15	\$1,800
Thermoplastic Pavement Marking, White (4")	2000	LF	\$2	\$4,000
4" Topsoil Placement	100	SY	\$15	\$1,500
Landscape	650	SF	\$4	\$2,600
Utility Allowance	1	LS	\$10,000	\$10,000
Signal Modifications	1	LS	\$80,000	\$80,000
Bollard	4	EA	\$250	\$1,000
Furnish and Install Interpretative Sign with Support	1	EA	\$2,700	\$2,700
Furnish and Install Wayfinding Sign with Support	2	EA	\$810	\$1,620
Furnish and Install Standard Sign with Support	4	EA	\$270	\$1,080
Picnic Table	2	EA	\$2,160	\$4,320
Bench	2	EA	\$1,350	\$2,700
Trash Receptacle	2	EA	\$1,350	\$2,700
Call Box	1	EA	\$8,100	\$8,100
Restroom Facility	1	EA	\$50,000	\$50,000
Maintenance Shed	1	EA	\$10,000	\$10,000
	Su	btotal Iten	ns	\$468,230
CONS	TRUCTION CO		-	\$0
		ost Estima		\$469,000

#### NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Assumption of curbs to be constructed without a pavement sawcut.

5. Estimate does not include stormwater treatment or permitting.

6. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

7. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: PRELIMINARY COST FOR TYPICAL TYPE 2 TRAILHEAD		LOCATION: Lexington Co ESTIMATE BY: SRL			
TYPE 2 INCLUDES: 30 PARKING SPACES, TRASH RECEPTACLES,			DATE: 2/	-	
TTE 2 INCLUDES. 30 FARRING SFACES, TRASITRECEFTACLES,			REVISED:	11/2021	
			CHECKED BY: TN	ı	
ITEM NO. DESCRIPTION	OUANTITY	UNIT	UNIT COST	COST	
Mobilization	1	LS	\$16,000	\$16,000	
Traffic Control	1	LS	\$4,000	\$4,000	
Clearing & Grubbing - Includes all Demolition	1	LS	\$4,000	\$4,000	
Erosion Control	1	LS	\$1,000	\$1,000	
	1	LS	\$5,000	\$5,000	
Grading Complete	<u> </u>		\$3,500		
Curb Ramps + Warning Strip	2	EA		\$7,000	
12' Concrete Trail	20	LF	\$81	\$1,620	
Concrete Wheel Stop	30	EA	\$50	\$1,500	
Pavement Mill & Overlay	2620	SY	\$30	\$78,600	
Accessible Parking Stall Pavement Marking	2	EA	\$30	\$60	
8" DIP	0	LF	\$90	\$0	
Utility Allowance	1	LS	\$5,000	\$5,000	
Signal Modifications	1	LS	\$40,000	\$40,000	
Furnish and Install Wayfinding Sign with Support	1	EA	\$810	\$810	
Furnish and Install Standard Sign with Support	3	EA	\$270	\$810	
Trash Receptacle	1	EA	\$1,350	\$1,350	
Call Box	1	EA	\$8,100	\$8,100	
	Subtotal Items			\$174,850	
CON	STRUCTION CO	NTINGENC	Y 0%	\$0	
	Total C	ost Estima	te	\$175,000	

#### NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Assumption of curbs to be constructed without a pavement sawcut.

5. Estimate does not include stormwater treatment or permitting.

6. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

7. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: PI SC 60				5	
50 00				ESTIMATE BY: SR	
				DATE: 2/1	1/2021
				REVISED:	
ITEMNO	DECODIDEION			CHECKED BY: TN	
ITEM NO.	DESCRIPTION Mobilization	QUANTITY	UNIT	UNIT COST	COST
A-1		1	LS	\$21,500	\$21,500
A-2	Traffic Control	•	LS	\$10,000	\$10,000
A-3	Clearing & Grubbing	1	LS LS	\$5,000	\$5,000
A-4	Erosion Control	1	-	\$1,000	\$1,000
B-1	R&D Asphalt Pavement	500	SY	\$5	\$2,500
B-2	R&D Existing Curb and Gutter	300	LF	\$5	\$1,500
B-3	R&D Concrete Walks	900	SF	\$2	\$1,800
B-4	Adjust Utility Box and Cover to Grade	4	EA	\$600	\$2,400
B-5	Remove Thermoplastic Striping	400	LF	\$2	\$800
B-6	Remove Pavement Markings	2	EA	\$50	\$100
C-1	Concrete Curb & Gutter (1'-6") Vertical Face	350	LF	\$25	\$8,750
C-2	Concrete Curb	210	LF	\$20	\$4,200
C-3	Raised Crosswalk	2	EA	\$20,000	\$40,000
C-4	Detectable Warning	150	SF	\$30	\$4,500
C-5	Concrete Sidewalk (4" Uniform)	500	SY	\$65	\$32,500
C-6	Curb Ramps + Warning Strip	12	EA	\$2,000	\$24,000
C-7	Thermoplastic Pavement Marking (ARROW)	1	EA	\$350	\$350
C-8	Thermoplastic Pavement Marking, White (24")	1000	LF	\$15	\$15,000
D-1	Furnish and Install Sign with Support	5	EA	\$300	\$1,500
D-2	Remove & Reset Existing Sign	5	EA	\$125	\$625
D-3	Landscape	1250	SF	\$4	\$5,000
D-4	Utility Allowance	1	LS	\$10,000	\$10,000
D-5	Signal Modifications	1	LS	\$40,000	\$40,000
		Su	btotal Iten	ns	\$233,025
	CC	ONSTRUCTION CO	NTINGENC	CY 0%	\$0
		Total C	ost Estima	te	\$234,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

- 3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.
- 4. Raised crossing includes pavement, markings & associated drainage.
- 5. Assumption of curbs to be constructed without a pavement sawcut.
- 6. Estimate does not include stormwater treatment or permitting.
- 7. Signal modifications expected to include pedestrian signals with push buttons that meet accessibility guidelines.

8. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: PRELIMINARY COST FOR TYPICAL UNCONTROLLED RAILE CROSSING		AILROAD		LOCATION: Le	xington Co.
			E	STIMATE BY: SR	Ľ
				DATE: 2/	11/2021
				REVISED:	
			(	CHECKED BY: TN	1
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1	Mobilization	1	LS	\$5,500	\$5,500
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$3,000	\$3,000
A-3	Erosion Control	1	LS	\$1,000	\$1,000
B-1	Grading Complete	1	LS	\$15,000	\$15,000
B-2	Curb Ramps + Warning Strip	2	EA	\$3,500	\$7,000
B-3	Rail Concrete Panel and Crossing Improvements	20	TF	\$500	\$10,000
B-4	12' Asphalt Trail	50	LF	\$68	\$3,375
B-5	12' Concrete Trail	100	LF	\$81	\$8,100
C-1	Furnish and Install Sign with Support	4	EA	\$750	\$3,000
		Su	btotal Items	;	\$55,975
	CON	STRUCTION CO	NTINGENCY	0%	\$0
		Total Co	ost Estimate	)	\$56,000

## NOTES:

- 1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.
- 3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.
- 4. Assumption of curbs to be constructed without a pavement sawcut.
- 5. Estimate does not include stormwater treatment or permitting.
- 6. Estimate does not include utility or drainage work.
- 7. Estimate does not include railroad coordination or pedestrian scale crossing control.
- 8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.
- 9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:

OPINIONS OF PROBABLE COST 14-Foot Wide Trail



DESCRIPTION: PRELIMINARY COST FOR PHASE 1 14' TRAIL PHASE 1 LOCATION: LAKE MURRAY DAM TO SALUDA SHOALS PARK			LOCATION: Les ESTIMATE BY: SR	•
FIRSE I LOCATION. LAKE MORIAT DAMI TO SALODA SHOALS FARK				-
			DATE: 2/	11/2021
			REVISED:	
			CHECKED BY: TN	
ITEM NO. DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1 Mobilization	1	LS	\$363,500	\$363,500
A-2 Clearing & Grubbing - Includes all Demolition	1	LS	\$203,500	\$203,500
A-3 Erosion Control	1	LS	\$41,000	\$41,000
B-1 Grading Complete	1	LS	\$1,289,500	\$1,289,500
B-2 14' Concrete Trail	12895	LF	\$117	\$1,508,715
B-3 14' Low Boardwalk	225	LF	\$810	\$182,250
B-4 14' Wood Bridge	40	LF	\$1,980	\$79,200
C-1 4" Topsoil Placement	2200	SY	\$15	\$33,000
C-2 Landscape	19400	SF	\$4	\$77,600
D-1 8" DIP	160	LF	\$90	\$14,400
E-1 Furnish and Install Wayfinding Sign with Support	23	EA	\$810	\$18,630
E-2 Furnish and Install Interpretive Sign with Support	19	EA	\$2,700	\$51,300
E-3 Picnic Table	18	EA	\$2,160	\$38,880
E-4 Bench	23	EA	\$1,350	\$31,050
E-5 Trash Receptacle	27	EA	\$1,350	\$36,450
E-6 Electrical Service	4	LS	\$6,750	\$27,000
	Su	btotal Item	IS	\$3,995,975
CON	ISTRUCTION CO	NTINGENC	Y 0%	\$0
	Total C	ost Estima	te	\$3,996,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks

5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds

6. Estimate does not include stormwater treatment or permitting.

7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.

8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:



DESCRIPTION: PR	LOCATION: Lexington Co				
PHASE Z LUCATIO	ON: SALUDA SHOALS PARK TO I-20			ESTIMATE BY: SR	-
				DATE: 2/	11/2021
				REVISED:	
				CHECKED BY: TN	-
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1	Mobilization	1	LS	\$574,000	\$574,000
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$321,000	\$321,000
A-3	Erosion Control	1	LS	\$64,500	\$64,500
B-1	Grading Complete	1	LS	\$1,154,000	\$1,154,000
B-2	14' Concrete Trail	11540	LF	\$117	\$1,350,180
B-3	14' Low Boardwalk	850	LF	\$810	\$688,500
B-4	14' High Boardwalk	930	LF	\$1,080	\$1,004,400
B-5	14' Wood Bridge	100	LF	\$1,980	\$198,000
B-6	105' Contech-style prefab Bridge	1	LS	\$720,000	\$720,000
C-1	4" Topsoil Placement	230	SY	\$15	\$3,450
C-2	Landscape	2100	SF	\$4	\$8,400
D-1	8" DIP	165	LF	\$90	\$14,850
E-1	Furnish and Install Wayfinding Sign with Support	24	EA	\$810	\$19,440
E-2	Furnish and Install Interpretive Sign with Support	20	EA	\$2,700	\$54,000
E-3	Picnic Table	18	EA	\$2,160	\$38,880
E-4	Bench	24	EA	\$1,350	\$32,400
E-5	Trash Receptacle	27	EA	\$1,350	\$36,450
E-6	Electrical Service	4	LS	\$6,750	\$27,000
		S	ubtotal Iter	ns	\$6,309,450
	CON	ISTRUCTION C			\$0
			Cost Estima		\$6,310,000
					<u> </u>

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks

5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds

6. Estimate does not include stormwater treatment or permitting.

7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.

8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:



DESCRIPTION: PF	RELIMINARY COST FOR PHASE 3 14' TRAIL			LOCATION: Le	xington Co	
PHASE 3 LOCATI			ESTIMATE BY: SRL			
				DATE: 2/		
				REVISED:	, 202 .	
				CHECKED BY: TN	J	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST	
A-1	Mobilization	1	LS	\$421,500	\$421,500	
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$236,000	\$236,000	
A-3	Erosion Control	1	LS	\$47,500	\$47,500	
B-1	Grading Complete	1	LS	\$851,500	\$851,500	
B-2	8' Concrete Trail	600	LF	\$70	\$42,000	
B-3	14' Concrete Trail	7915	LF	\$117	\$926,055	
B-4	14' Low Boardwalk	600	LF	\$810	\$486,000	
B-5	14' High Boardwalk	530	LF	\$1,080	\$572,400	
B-6	14' Wood Bridge	80	LF	\$1,980	\$158,400	
B-7	105' Contech-style prefab Bridge	1	LS	\$720,000	\$720,000	
C-1	4" Topsoil Placement	130	SY	\$15	\$1,950	
C-2	Landscape	1200	SF	\$4	\$4,800	
D-1	8" DIP	112	LF	\$90	\$10,080	
E-1	Furnish and Install Wayfinding Sign with Support	17	EA	\$810	\$13,770	
E-2	Furnish and Install Interpretive Sign with Support	14	EA	\$2,700	\$37,800	
E-3	Picnic Table	13	EA	\$2,160	\$28,080	
E-4	Bench	17	EA	\$1,350	\$22,950	
E-5	Trash Receptacle	20	EA	\$1,350	\$27,000	
E-7	Electrical Service	4	LS	\$6,750	\$27,000	
			Subtotal Iten	ns	\$4,634,785	
	CON	STRUCTION (	CONTINGENO	CY 0%	\$0	
		Tota	l Cost Estima	te	\$4,635,000	

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Trail lengths calculated using professional judgement during site walks.

- 5. Trailheads to include parking, signage, trash receptacles, potential restrooms & maintenance sheds.
- 6. Estimate does not include stormwater treatment or permitting.
- 7. Typical trail road crossing includes traffic control, signal modifications, curb ramps, signs and pavement marking.
- 8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.
- 9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER:



DESCRIPTION: PRELIMINARY COST FOR TYPICAL TYPE 1 TRAILHEAD			LOCATION: Lex	5
			ESTIMATE BY: SR	
TYPE 1 INCLUDES: 60 PARKING SPACES, RESTROOMS, MAINTENANCE R	ROOM,		DATE: 2/1	1/2021
TRASH RECEPTACLES,			REVISED:	
			CHECKED BY: TN	
ITEM NO. DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
Mobilization	1	LS	\$43,000	\$43,000
Traffic Control	1	LS	\$10,000	\$10,000
Clearing & Grubbing	1	LS	\$10,500	\$10,500
Erosion Control	1	LS	\$2,500	\$2,500
R&D Asphalt Pavement	250	SY	\$5	\$1,250
Remove Thermoplastic Striping	75	LF	\$2	\$150
Remove Pavement Markings	4	EA	\$50	\$200
Grading Complete	1	LS	\$10,000	\$10,000
Concrete Curb	200	LF	\$20	\$4,000
Curb Ramps + Warning Strip	2	EA	\$4,000	\$8,000
Stamped Concrete	3300	SF	\$20	\$66,000
14' Concrete Trail	20	LF	\$117	\$2,340
Concrete Wheel Stop	60	EA	\$45	\$2,700
Pavement Mill & Overlay	4170	SY	\$30	\$125,100
Accessible Parking Stall Pavement Marking	3	EA	\$30	\$90
Thermoplastic Pavement Marking, White (24")	140	LF	\$15	\$2,100
Thermoplastic Pavement Marking, White (4")	2000	LF	Ş2	\$4,000
4" Topsoil Placement	100	SY	\$15	\$1,500
Landscape	650	SF	\$4	\$2,600
Utility Allowance	1	LS	\$10,000	\$10,000
Signal Modifications	1	LS	\$80,000	\$80,000
Bollard	4	EA	\$250	\$1,000
Furnish and Install Interpretative Sign with Support	1	EA	\$2,700	\$2,700
Furnish and Install Wayfinding Sign with Support	2	EA	\$810	\$1,620
Furnish and Install Standard Sign with Support	4	EA	\$270	\$1,080
Picnic Table	2	EA	\$2,160	\$4,320
Bench	2	EA	\$1,350	\$2,700
Trash Receptacle	2	EA	\$1,350	\$2,700
Call Box	1	EA	\$8,100	\$8,100
Restroom Facility	1	EA	\$50,000	\$50,000
Maintenance Shed	1	EA	\$10,000	\$10,000
	Su	btotal Iter	ms	\$470,250
	CONSTRUCTION CO	NTINGEN	CY 0%	\$0
	Total Co	ost Estima	ate	\$471,000

#### NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Assumption of curbs to be constructed without a pavement sawcut.

5. Estimate does not include stormwater treatment or permitting.

6. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

7. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: PRELIMINARY COST FOR TYPICAL TYPE 2 TRAILHEAD		LOCATION: Lexington Co ESTIMATE BY: SRL			
TYPE 2 INCLUDES: 30 PARKING SPACES. TRASH RECEPTACLES.			DATE: 2/	-	
			REVISED:	11/2021	
			CHECKED BY: TN	1	
ITEM NO. DESCRIPTION	OUANTITY	UNIT	UNIT COST	COST	
Mobilization	1	LS	\$16,500	\$16,500	
Traffic Control	1	LS	\$4.000	\$4.000	
Clearing & Grubbing - Includes all Demolition	1	LS	\$4,000	\$4,000	
Erosion Control	1	LS	\$4,000	\$4,000	
Grading Complete	1	LS	\$5,000	\$5,000	
	2	EA	\$4,000	\$3,000	
Curb Ramps + Warning Strip			\$4,000		
14' Concrete Trail	20	LF	+ · · ·	\$2,340	
Concrete Wheel Stop	30	EA	\$50	\$1,500	
Pavement Mill & Overlay	2620	SY	\$30	\$78,600	
Accessible Parking Stall Pavement Marking	2	EA	\$30	\$60	
8" DIP	0	LF	\$90	\$0	
Utility Allowance	1	LS	\$5,000	\$5,000	
Signal Modifications	1	LS	\$40,000	\$40,000	
Furnish and Install Wayfinding Sign with Support	1	EA	\$810	\$810	
Furnish and Install Standard Sign with Support	3	EA	\$270	\$810	
Trash Receptacle	1	EA	\$1,350	\$1,350	
Call Box	1	EA	\$8,100	\$8,100	
	Su	btotal Item	ıs	\$177,070	
CON	STRUCTION CO			\$0	
		ost Estima		\$178,000	
	i otal o	ost Estima		\$170,000	

#### NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.

4. Assumption of curbs to be constructed without a pavement sawcut.

5. Estimate does not include stormwater treatment or permitting.

6. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.

7. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: P SC 60	AT SC 6 AND		LOCATION: Lexington Co		
30.00			ESTIMATE BY: SR	DATE: 2/11/2021	
			REVISED:	/2021	
				CHECKED BY: TN	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
A-1	Mobilization	1	LS	\$21,500	\$21,500
A-2	Traffic Control	1	LS	\$10,000	\$10,000
A-3	Clearing & Grubbing	1	LS	\$5,000	\$5,000
A-4	Erosion Control	1	LS	\$1,000	\$1,000
B-1	R&D Asphalt Pavement	500	SY	\$5	\$2,500
B-2	R&D Existing Curb and Gutter	300	LF	\$5	\$1,500
B-3	R&D Concrete Walks	900	SF	\$2	\$1,800
B-4	Adjust Utility Box and Cover to Grade	4	EA	\$600	\$2,400
B-5	Remove Thermoplastic Striping	400	LF	\$2	\$800
B-6	Remove Pavement Markings	2	EA	\$50	\$100
C-1	Concrete Curb & Gutter (1'-6") Vertical Face	350	LF	\$25	\$8,750
C-2	Concrete Curb	210	LF	\$20	\$4,200
C-3	Raised Crosswalk	2	EA	\$20,000	\$40,000
C-4	Detectable Warning	150	SF	\$30	\$4,500
C-5	Concrete Sidewalk (4" Uniform)	500	SY	\$65	\$32,500
C-6	Curb Ramps + Warning Strip	12	EA	\$2,000	\$24,000
C-7	Thermoplastic Pavement Marking (ARROW)	1	EA	\$350	\$350
C-8	Thermoplastic Pavement Marking, White (24")	1000	LF	Ş15	\$15,000
D-1	Furnish and Install Sign with Support	5	EA	\$300	\$1,500
D-2	Remove & Reset Existing Sign	5	EA	\$125	\$625
D-3	Landscape	1250	SF	\$4	\$5,000
D-4	Utility Allowance	1	LS	\$10,000	\$10,000
D-5	Signal Modifications	1	LS	\$40,000	\$40,000
		Subtotal Items			\$233,025
	CO	INSTRUCTION CONTINGENCY 0%			\$0
		Total Cost Estimate			\$234,000

## NOTES:

1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.

2. Striping is assumed to be thermoplastic.

- 3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.
- 4. Raised crossing includes pavement, markings & associated drainage.
- 5. Assumption of curbs to be constructed without a pavement sawcut.
- 6. Estimate does not include stormwater treatment or permitting.
- 7. Signal modifications expected to include pedestrian signals with push buttons that meet accessibility guidelines.

8. Assume lighting to be leased by Dominion Energy and is not included in estimate.

## DISCLAIMER:



DESCRIPTION: P	AILROAD		LOCATION: Lexington Co.			
CROSSING	ESTIMATE BY: SRL			L		
				DATE: 2/	DATE: 2/11/2021	
				REVISED:		
			(	CHECKED BY: TN		
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST	
A-1	Mobilization	1	LS	\$6,000	\$6,000	
A-2	Clearing & Grubbing - Includes all Demolition	1	LS	\$3,500	\$3,500	
A-3	Erosion Control	1	LS	\$1,000	\$1,000	
B-1	Grading Complete	1	LS	\$15,000	\$15,000	
B-2	Curb Ramps + Warning Strip	2	EA	\$4,000	\$8,000	
B-3	Rail Concrete Panel and Crossing Improvements	20	TF	\$500	\$10,000	
B-4	14' Asphalt Trail	50	LF	\$90	\$4,500	
B-5	14' Concrete Trail	100	LF	\$117	\$11,700	
C-1	Furnish and Install Sign with Support	4	EA	\$750	\$3,000	
		Subtotal Items			\$62,700	
	CON	STRUCTION CONTINGENCY 0%		\$0		
		Total Cost Estimate			\$63,000	

## NOTES:

- 1. This cost estimate is based on 2019-2020 material/equipment/labor costs and should be adjusted to fit current year if needed.
- 3. Estimate does not include construction surveying, engineering, or right-of-way acquisition.
- 4. Assumption of curbs to be constructed without a pavement sawcut.
- 5. Estimate does not include stormwater treatment or permitting.
- 6. Estimate does not include utility or drainage work.
- 7. Estimate does not include railroad coordination or pedestrian scale crossing control.
- 8. Trail, Boardwalk and Bridge estimates include materials and clearing and grubbing through installation.
- 9. Assume lighting to be leased by Dominion Energy and is not included in estimate.

#### DISCLAIMER: