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APPENDIX D: DEVELOPMENT COSTS

OPINION OF PROBABLE COSTS

All cost estimates should be considered with the following notes and limitations in mind:

- This “Opinion of Probable Cost” (OPC) should not be considered a guaranteed maximum cost, but instead is a professional opinion of probable construction costs at the time of this study. Costs should be revisited every two years and updated accordingly. It should be anticipated that bids and actual costs will vary from this OPC.
- The “Cost Factor”, as utilized, is a percentage of calculated costs, which is added to the subtotal. The Cost Factor helps compensate for unknown elements or conditions, variations in quantities used, and other unforeseen circumstances.
- A separate “Contingency Fund” should be developed above and beyond the total figure in the OPC. This fund will provide for modifications to the design, higher than anticipated costs, and other program alterations after construction initiation.
- Cost estimates do not include the following: land acquisition, retaining walls, fencing, rock and unsuitable soils excavation, permitting fees, mobilization, and taxes.

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Atlanta Beltline / Silver Comet Connector

SECTION 1

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	34,745	LF	\$3.00	\$104,234.92
2	Silt Fence (Each Side)	69,490	LF	\$3.00	\$208,469.84
3	Fine Grading (0-5 cu ft/lf)	34,745	LF	\$4.28	\$148,708.49
4	Construction Entrance	14	EA	\$3,000.00	\$42,000.00
5	Bank Stabilization	2,000	LF	\$4.28	\$8,560.00
6	Hydroseeding	34,745	LF	\$0.32	\$11,118.39
Total Earthwork, Demolition, Clearing + Erosion Control					\$523,091.64
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	34,745	LF	\$55.00	\$1,910,973.55
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	300	LF	\$20.00	\$6,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	34,745	LF	\$23.00	\$799,134.39
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	34,745	LF	\$10.00	\$347,449.74
<i>*Alternative trail surfaces not included in cost estimates</i>					
Total General Construction					\$3,063,557.68
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses	0	LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures	0	EA	\$500,000.00	\$0.00
15	Trailhead	2	EA	\$500,000.00	\$1,000,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	7	EA	\$1,800.00	\$12,600.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	7	EA	\$325.00	\$2,275.00
20	Tree Planting	34	EA	\$500.00	\$17,000.00
21	Raised Planters/Bollards	18	EA	\$500.00	\$9,000.00
22	Trash/Recycle Receptacles	7	EA	\$350.00	\$2,450.00
23	Benches	14	EA	\$750.00	\$10,500.00
Total Structures and Special Features					\$1,062,075.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	6	EA	\$175.00	\$1,050.00
25	Signage (Traffic Control)	18	EA	\$250.00	\$4,500.00
26	Bank Stabilization	2,000	LF	\$40.00	\$80,000.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	3	EA	\$5,525.00	\$16,575.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)		EA	\$10,020.00	\$0.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
Total Safety Treatments					\$102,125.00
E. OTHER					
32	Registered Land Survey	34,745	LF	\$2.00	\$69,489.95
Total Other					\$69,489.95
SUBTOTAL ALL AREAS					\$4,820,339.27
COST FACTOR					20% Contingency \$964,067.85
FEASIBILITY, DESIGN, ENGINEERING					30% \$1,446,101.78
GRAND TOTAL ALL AREAS					\$7,230,508.91

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

**PROJECT NAME - Mabelton Silver Comet Connection
SECTION 2
Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION	
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL						
1	Clearing + Grubbing (includes litter and vandalism removal)	17,077	LF	\$3.00	\$51,231.01	
2	Silt Fence (Each Side)	34,154	LF	\$3.00	\$102,462.02	
3	Fine Grading (0-5 cu ft/lf)	17,077	LF	\$4.28	\$73,089.58	
4	Construction Entrance	6	EA	\$3,000.00	\$18,000.00	
5	Bank Stabilization	800	LF	\$4.28	\$3,424.00	
6	Hydroseeding	17,077	LF	\$0.32	\$5,464.64	
Total Earthwork, Demolition, Clearing + Erosion Control					\$253,671.25	
B. GENERAL CONSTRUCTION						
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	17,077	LF	\$55.00	\$939,235.20	
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	400	LF	\$20.00	\$8,000.00	
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	17,077	LF	\$23.00	\$392,771.08	
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	17,077	LF	\$10.00	\$170,770.04	
<i>*Alternative trail surfaces not included in cost estimates</i>						
Total General Construction					\$1,510,776.32	
C. STRUCTURES AND SPECIAL FEATURES						
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00	
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00	
15	Trailhead	1	EA	\$500,000.00	\$500,000.00	
16	Directional Signage	3	EA	\$250.00	\$750.00	
17	Interpretive Signage	3	EA	\$1,800.00	\$5,400.00	
18	Kiosks	3	EA	\$2,500.00	\$7,500.00	
19	Mile Markers	3	EA	\$325.00	\$975.00	
20	Tree Planting	16	EA	\$500.00	\$8,000.00	
21	Raised Planters/Bollards	24	EA	\$500.00	\$12,000.00	
22	Trash/Recycle Receptacles	3	EA	\$350.00	\$1,050.00	
23	Benches	6	EA	\$750.00	\$4,500.00	
Total Structures and Special Features					\$540,175.00	
D. SAFETY TREATMENTS						
24	Detectable Warning Mat	8	EA	\$175.00	\$1,400.00	
25	Signage (Traffic Control)	24	EA	\$250.00	\$6,000.00	
26	Bank Stabilization	800	LF	\$40.00	\$32,000.00	
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)		EA	\$5,525.00	\$0.00	
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	4	EA	\$10,020.00	\$40,080.00	
29	Raised Crosswalk		EA	\$7,000.00	\$0.00	
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00	
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00	
Total Safety Treatments					\$79,480.00	
E. OTHER						
32	Registered Land Survey	17,077	LF	\$2.00	\$34,154.01	
Total Other					\$34,154.01	
SUBTOTAL ALL AREAS					\$2,418,256.58	
COST FACTOR					20% Contingency	\$483,651.32
FEASIBILITY, DESIGN, ENGINEERING					30%	\$725,476.97
GRAND TOTAL ALL AREAS					\$3,627,384.87	

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Smyrna Silver Comet Connection

SECTION 3

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION	
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL						
1	Clearing + Grubbing (includes litter and vandalism removal)	21,976	LF	\$3.00	\$65,927.14	
2	Silt Fence (Each Side)	43,951	LF	\$3.00	\$131,854.27	
3	Fine Grading (0-5 cu ft/lf)	21,976	LF	\$4.28	\$94,056.05	
4	Construction Entrance	8	EA	\$3,000.00	\$24,000.00	
5	Bank Stabilization	400	LF	\$4.28	\$1,712.00	
6	Hydroseeding	21,976	LF	\$0.32	\$7,032.23	
Total Earthwork, Demolition, Clearing + Erosion Control					\$324,581.68	
B. GENERAL CONSTRUCTION						
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	21,976	LF	\$55.00	\$1,208,664.15	
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	3,000	LF	\$20.00	\$60,000.00	
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	21,976	LF	\$23.00	\$505,441.37	
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	21,976	LF	\$10.00	\$219,757.12	
<i>*Alternative trail surfaces not included in cost estimates</i>						
Total General Construction					\$1,268,664.15	
C. STRUCTURES AND SPECIAL FEATURES						
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00	
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00	
15	Trailhead	1	EA	\$500,000.00	\$500,000.00	
16	Directional Signage	3	EA	\$250.00	\$750.00	
17	Interpretive Signage	4	EA	\$1,800.00	\$7,200.00	
18	Kiosks	3	EA	\$2,500.00	\$7,500.00	
19	Mile Markers	4	EA	\$325.00	\$1,300.00	
20	Tree Planting	18	EA	\$500.00	\$9,000.00	
21	Raised Planters/Bollards	180	EA	\$500.00	\$90,000.00	
22	Trash/Recycle Receptacles	4	EA	\$350.00	\$1,400.00	
23	Benches	8	EA	\$750.00	\$6,000.00	
Total Structures and Special Features					\$623,150.00	
D. SAFETY TREATMENTS						
24	Detectable Warning Mat	60	EA	\$175.00	\$10,500.00	
25	Signage (Traffic Control)	180	EA	\$250.00	\$45,000.00	
26	Bank Stabilization	400	LF	\$40.00	\$16,000.00	
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	21	EA	\$5,525.00	\$116,025.00	
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	9	EA	\$10,020.00	\$90,180.00	
29	Raised Crosswalk		EA	\$7,000.00	\$0.00	
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00	
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00	
Total Safety Treatments					\$277,705.00	
E. OTHER						
32	Registered Land Survey	21,976	LF	\$2.00	\$43,951.42	
Total Other					\$43,951.42	
SUBTOTAL ALL AREAS					\$2,538,052.25	
COST FACTOR					20% Contingency	\$507,610.45
FEASIBILITY, DESIGN, ENGINEERING					30%	\$761,415.68
GRAND TOTAL ALL AREAS					\$3,807,078.38	

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Marietta Silver Comet Connection**SECTION 4****Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	53,704	LF	\$3.00	\$161,111.01
2	Silt Fence (Each Side)	107,407	LF	\$3.00	\$322,222.02
3	Fine Grading (0-5 cu ft/lf)	53,704	LF	\$4.28	\$229,851.70
4	Construction Entrance	20	EA	\$3,000.00	\$60,000.00
5	Bank Stabilization	8,010	LF	\$4.28	\$34,282.80
6	Hydroseeding	53,704	LF	\$0.32	\$17,185.17
	<i>Total Earthwork, Demolition, Clearing + Erosion Control</i>			\$0.00	\$824,652.70
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	53,704	LF	\$55.00	\$2,953,701.81
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	2,700	LF	\$20.00	\$54,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	53,704	LF	\$23.00	\$1,235,184.39
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	53,704	LF	\$10.00	\$537,036.69
	*Alternative trail surfaces not included in cost estimates				
	<i>Total General Construction</i>				\$3,007,701.81
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	2	EA	\$500,000.00	\$1,000,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	10	EA	\$1,800.00	\$18,000.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	10	EA	\$325.00	\$3,250.00
20	Tree Planting	40	EA	\$500.00	\$20,000.00
21	Raised Planters/Bollards	162	EA	\$500.00	\$81,000.00
22	Trash/Recycle Receptacles	10	EA	\$350.00	\$3,500.00
23	Benches	20	EA	\$750.00	\$15,000.00
	<i>Total Structures and Special Features</i>				\$1,149,000.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	54	EA	\$175.00	\$9,450.00
25	Signage (Traffic Control)	162	EA	\$250.00	\$40,500.00
26	Bank Stabilization	8,010	LF	\$40.00	\$320,400.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	17	EA	\$5,525.00	\$93,925.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	10	EA	\$10,020.00	\$100,200.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	<i>Total Safety Treatments</i>				\$564,475.00
E. OTHER					
32	Registered Land Survey	53,704	LF	\$2.00	\$107,407.34
	<i>Total Other</i>				\$107,407.34
	SUBTOTAL ALL AREAS				\$5,653,236.85
	COST FACTOR		20% Contingency		\$1,130,647.37
	FEASIBILITY, DESIGN, ENGINEERING		30%		\$1,695,971.06
	GRAND TOTAL ALL AREAS				\$8,479,855.28

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Austell Silver Comet Connector

SECTION 5

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	22,552	LF	\$3.00	\$67,656.28
2	Silt Fence (Each Side)	45,104	LF	\$3.00	\$135,312.56
3	Fine Grading (0-5 cu ft/lf)	22,552	LF	\$4.28	\$96,522.96
4	Construction Entrance	8	EA	\$3,000.00	\$24,000.00
5	Bank Stabilization	6,873	LF	\$4.28	\$29,416.44
6	Hydroseeding	22,552	LF	\$0.32	\$7,216.67
	Total Earthwork, Demolition, Clearing + Erosion Control			\$0.00	\$360,124.92
B GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	22,552	LF	\$55.00	\$1,240,365.16
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	200	LF	\$20.00	\$4,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	22,552	LF	\$23.00	\$518,698.16
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	22,552	LF	\$10.00	\$225,520.94
	<i>*Alternative trail surfaces not included in cost estimates</i>				
	Total General Construction				\$1,988,584.25
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	1	EA	\$500,000.00	\$500,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	4	EA	\$1,800.00	\$7,200.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	4	EA	\$325.00	\$1,300.00
20	Tree Planting	18	EA	\$500.00	\$9,000.00
21	Raised Planters/Bollards	12	EA	\$500.00	\$6,000.00
22	Trash/Recycle Receptacles	4	EA	\$350.00	\$1,400.00
23	Benches	8	EA	\$750.00	\$6,000.00
	Total Structures and Special Features				\$539,150.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	4	EA	\$175.00	\$700.00
25	Signage (Traffic Control)	12	EA	\$250.00	\$3,000.00
26	Bank Stabilization	6,873	LF	\$40.00	\$274,920.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	2	EA	\$5,525.00	\$11,050.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)		EA	\$10,020.00	\$0.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	Total Safety Treatments				\$289,670.00
E. OTHER					
32	Registered Land Survey	22,552	LF	\$2.00	\$45,104.19
	Total Other				\$45,104.19
	SUBTOTAL ALL AREAS				\$3,222,633.35
	COST FACTOR		20% Contingency		\$644,526.67
	FEASIBILITY, DESIGN, ENGINEERING		30%		\$966,790.01
	GRAND TOTAL ALL AREAS				\$4,833,950.03

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - School Silver Comet Connection**SECTION 6****Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	20,969	LF	\$3.00	\$62,906.08
2	Silt Fence (Each Side)	41,937	LF	\$3.00	\$125,812.16
3	Fine Grading (0-5 cu ft/lf)	20,969	LF	\$4.28	\$89,746.00
4	Construction Entrance	8	EA	\$3,000.00	\$24,000.00
5	Bank Stabilization	4,800	LF	\$4.28	\$20,544.00
6	Hydroseeding	20,969	LF	\$0.32	\$6,709.98
Total Earthwork, Demolition, Clearing + Erosion Control					\$329,718.22
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	20,969	LF	\$55.00	\$1,153,278.09
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	800	LF	\$20.00	\$16,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	20,969	LF	\$23.00	\$482,279.93
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	20,969	LF	\$10.00	\$209,686.93
<i>*Alternative trail surfaces not included in cost estimates</i>					
Total General Construction					\$1,169,278.09
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	1	EA	\$500,000.00	\$500,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	4	EA	\$1,800.00	\$7,200.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	4	EA	\$325.00	\$1,300.00
20	Tree Planting	18	EA	\$500.00	\$9,000.00
21	Raised Planters/Bollards	48	EA	\$500.00	\$24,000.00
22	Trash/Recycle Receptacles	4	EA	\$350.00	\$1,400.00
23	Benches	8	EA	\$750.00	\$6,000.00
Total Structures and Special Features					\$557,150.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	16	EA	\$175.00	\$2,800.00
25	Signage (Traffic Control)	48	EA	\$250.00	\$12,000.00
26	Bank Stabilization	4,800	LF	\$40.00	\$192,000.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	5	EA	\$5,525.00	\$27,625.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	3	EA	\$10,020.00	\$30,060.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
Total Safety Treatments					\$264,485.00
E. OTHER					
32	Registered Land Survey	20,969	LF	\$2.00	\$41,937.39
Total Other					\$41,937.39
SUBTOTAL ALL AREAS					\$2,362,568.70
COST FACTOR					\$472,513.74
FEASIBILITY, DESIGN, ENGINEERING					\$708,770.61
GRAND TOTAL ALL AREAS					\$3,543,853.04

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Hiram Silver Comet Connection
SECTION 7
Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	11,553	LF	\$3.00	\$34,660.34
2	Silt Fence (Each Side)	23,107	LF	\$3.00	\$69,320.68
3	Fine Grading (0-5 cu ft/lf)	11,553	LF	\$4.28	\$49,448.75
4	Construction Entrance	4	EA	\$3,000.00	\$12,000.00
5	Bank Stabilization		LF	\$4.28	\$0.00
6	Hydroseeding	11,553	LF	\$0.32	\$3,697.10
	Total Earthwork, Demolition, Clearing + Erosion Control			\$0.00	\$169,126.88
B GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	11,553	LF	\$55.00	\$635,439.60
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	500	LF	\$20.00	\$10,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	11,553	LF	\$23.00	\$265,729.29
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	11,553	LF	\$10.00	\$115,534.47
	<i>*Alternative trail surfaces not included in cost estimates</i>				
	Total General Construction				\$645,439.60
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	1	EA	\$500,000.00	\$500,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	2	EA	\$1,800.00	\$3,600.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	2	EA	\$325.00	\$650.00
20	Tree Planting	14	EA	\$500.00	\$7,000.00
21	Raised Planters/Bollards	30	EA	\$500.00	\$15,000.00
22	Trash/Recycle Receptacles	2	EA	\$350.00	\$700.00
23	Benches	4	EA	\$750.00	\$3,000.00
	Total Structures and Special Features				\$538,200.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	10	EA	\$175.00	\$1,750.00
25	Signage (Traffic Control)	30	EA	\$250.00	\$7,500.00
26	Bank Stabilization		LF	\$40.00	\$0.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	3	EA	\$5,525.00	\$16,575.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	2	EA	\$10,020.00	\$20,040.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	Total Safety Treatments				\$45,865.00
E. OTHER					
32	Registered Land Survey	11,553	LF	\$2.00	\$23,106.89
	Total Other				\$23,106.89
	SUBTOTAL ALL AREAS				\$1,421,738.38
	COST FACTOR		20% Contingency		\$284,347.68
	FEASIBILITY, DESIGN, ENGINEERING		30%		\$426,521.51
	GRAND TOTAL ALL AREAS				\$2,132,607.57

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Days Inn Silver Comet Connector**SECTION 8****Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	3,496	LF	\$3.00	\$10,486.70
2	Silt Fence (Each Side)	6,991	LF	\$3.00	\$20,973.40
3	Fine Grading (0-5 cu ft/lf)	3,496	LF	\$4.28	\$14,961.02
4	Construction Entrance	2	EA	\$3,000.00	\$6,000.00
5	Bank Stabilization	0	LF	\$4.28	\$0.00
6	Hydroseeding	3,496	LF	\$0.32	\$1,118.58
Total Earthwork, Demolition, Clearing + Erosion Control				\$0.00	\$53,539.70
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	3,496	LF	\$55.00	\$192,256.14
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	1,584	LF	\$20.00	\$31,680.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	3,496	LF	\$23.00	\$80,398.02
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	3,496	LF	\$10.00	\$34,955.66
11	5' Concrete Sidewalk (4" thick, slab on grade, no reinforcing)	1,584	LF	\$20.00	\$31,680.00
12	5' Pavement widening for bike lane (Includes sawcut existing pvmt, grading, 10")	7,392	LF	\$55.00	\$406,560.00
Total General Construction					\$469,920.00
<i>*Alternative trail surfaces not included in cost estimates</i>					
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead		EA	\$500,000.00	\$0.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	1	EA	\$1,800.00	\$1,800.00
18	Kiosks	1	EA	\$2,500.00	\$2,500.00
19	Mile Markers	1	EA	\$325.00	\$325.00
20	Tree Planting	2	EA	\$500.00	\$1,000.00
21	Raised Planters/Bollards	12	EA	\$500.00	\$6,000.00
22	Trash/Recycle Receptacles	1	EA	\$350.00	\$350.00
23	Benches	2	EA	\$750.00	\$1,500.00
Total Structures and Special Features					\$14,225.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	4	EA	\$175.00	\$700.00
25	Signage (Traffic Control, Directional)	12	EA	\$250.00	\$3,000.00
26	Bank Stabilization		LF	\$40.00	\$0.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	1	EA	\$5,525.00	\$5,525.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	1	EA	\$10,020.00	\$10,020.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
Total Safety Treatments					\$19,245.00
E. OTHER					
32	Registered Land Survey	3,496	LF	\$2.00	\$6,991.13
Total Other					\$6,991.13
SUBTOTAL ALL AREAS					\$563,920.83
COST FACTOR					20% Contingency
					\$112,784.17
FEASIBILITY, DESIGN, ENGINEERING					30%
					\$169,176.25
GRAND TOTAL ALL AREAS					\$845,881.25

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Dallas Town Center Silver Comet Connector

SECTION 9

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	4,657	LF	\$3.00	\$13,969.96
2	Silt Fence (Each Side)	9,313	LF	\$3.00	\$27,939.92
3	Fine Grading (0-5 cu ft/lf)	4,657	LF	\$4.28	\$19,930.47
4	Construction Entrance	2	EA	\$3,000.00	\$6,000.00
5	Bank Stabilization	400	LF	\$4.28	\$1,712.00
6	Hydroseeding	4,657	LF	\$0.32	\$1,490.13
	Total Earthwork, Demolition, Clearing + Erosion Control			\$0.00	\$71,042.48
B GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	4,657	LF	\$55.00	\$256,115.90
8	Curb and Gutter (Concrete, 6" x 30", TP 2)		LF	\$20.00	\$0.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	4,657	LF	\$23.00	\$107,103.01
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	4,657	LF	\$10.00	\$46,566.53
11	5' Concrete Sidewalk (4" thick, slab on grade, no reinforcing)		LF	\$20.00	\$0.00
12	5' Pavement widening for bike lane (Includes sawcut existing pvmt, grading, 10'	9,313	LF	\$55.00	\$512,231.80
	Total General Construction				\$512,231.80
<i>*Alternative trail surfaces not included in cost estimates</i>					
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead		EA	\$500,000.00	\$0.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	1	EA	\$1,800.00	\$1,800.00
18	Kiosks	1	EA	\$2,500.00	\$2,500.00
19	Mile Markers	1	EA	\$325.00	\$325.00
20	Tree Planting	2	EA	\$500.00	\$1,000.00
21	Raised Planters/Bollards	24	EA	\$500.00	\$12,000.00
22	Trash/Recycle Receptacles	1	EA	\$350.00	\$350.00
23	Benches	2	EA	\$750.00	\$1,500.00
	Total Structures and Special Features				\$20,225.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	8	EA	\$175.00	\$1,400.00
25	Signage (Traffic Control)	24	EA	\$250.00	\$6,000.00
26	Bank Stabilization	400	LF	\$40.00	\$16,000.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	2	EA	\$5,525.00	\$11,050.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	2	EA	\$10,020.00	\$20,040.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	Total Safety Treatments				\$54,490.00
E. OTHER					
32	Registered Land Survey	4,657	LF	\$2.00	\$9,313.31
	Total Other				\$9,313.31
	SUBTOTAL ALL AREAS				\$667,302.58
	COST FACTOR			20% Contingency	\$133,460.52
	FEASIBILITY, DESIGN, ENGINEERING			30%	\$200,190.78
	GRAND TOTAL ALL AREAS				\$1,000,953.88

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Campground Silver Comet Connection**SECTION 10****Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION	
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL						
1	Clearing + Grubbing (includes litter and vandalism removal)	4,198	LF	\$3.00	\$12,593.62	
2	Silt Fence (Each Side)	8,396	LF	\$3.00	\$25,187.24	
3	Fine Grading (0-5 cu ft/lf)	4,198	LF	\$4.28	\$17,966.90	
4	Construction Entrance	2	EA	\$3,000.00	\$6,000.00	
5	Bank Stabilization	400	LF	\$4.28	\$1,712.00	
6	Hydroseeding	4,198	LF	\$0.32	\$1,343.32	
Total Earthwork, Demolition, Clearing + Erosion Control					\$64,803.08	
B. GENERAL CONSTRUCTION						
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	4,198	LF	\$55.00	\$230,883.04	
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	4,198	LF	\$20.00	\$83,957.47	
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	4,198	LF	\$23.00	\$96,551.09	
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	4,198	LF	\$10.00	\$41,978.73	
11	5' Concrete Sidewalk (4" thick, slab on grade, no reinforcing)	4,198	LF	\$20.00	\$83,957.47	
12	5' Pavement widening for bike lane (Includes sawcut existing pvmt, grading, 10')	8,396	LF	\$55.00	\$461,766.08	
Total General Construction					\$629,681.02	
<i>*Alternative trail surfaces not included in cost estimates</i>						
C. STRUCTURES AND SPECIAL FEATURES						
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00	
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00	
15	Trailhead		EA	\$500,000.00	\$0.00	
16	Directional Signage	3	EA	\$250.00	\$750.00	
17	Interpretive Signage	1	EA	\$1,800.00	\$1,800.00	
18	Kiosks	1	EA	\$2,500.00	\$2,500.00	
19	Mile Markers	1	EA	\$325.00	\$325.00	
20	Tree Planting	2	EA	\$500.00	\$1,000.00	
21	Raised Planters/Bollards	12	EA	\$500.00	\$6,000.00	
22	Trash/Recycle Receptacles	1	EA	\$350.00	\$350.00	
23	Benches	2	EA	\$750.00	\$1,500.00	
Total Structures and Special Features					\$14,225.00	
D. SAFETY TREATMENTS						
24	Detectable Warning Mat	4	EA	\$175.00	\$700.00	
25	Signage (Traffic Control, Directional)	12	EA	\$250.00	\$3,000.00	
26	Bank Stabilization	400	LF	\$40.00	\$16,000.00	
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	2	EA	\$5,525.00	\$11,050.00	
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)		EA	\$10,020.00	\$0.00	
29	Raised Crosswalk		EA	\$7,000.00	\$0.00	
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00	
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00	
Total Safety Treatments					\$30,750.00	
E. OTHER						
32	Registered Land Survey	4,198	LF	\$2.00	\$8,395.75	
Total Other					\$8,395.75	
SUBTOTAL ALL AREAS					\$747,854.84	
COST FACTOR					20% Contingency	\$149,570.97
FEASIBILITY, DESIGN, ENGINEERING					30%	\$224,356.45
GRAND TOTAL ALL AREAS					\$1,121,782.27	

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Aragon Silver Comet Connector

SECTION 11

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	13,200	LF	\$3.00	\$39,599.38
2	Silt Fence (Each Side)	26,400	LF	\$3.00	\$79,198.77
3	Fine Grading (0-5 cu ft/lf)	13,200	LF	\$4.28	\$56,495.12
4	Construction Entrance	4	EA	\$3,000.00	\$12,000.00
5	Bank Stabilization	800	LF	\$4.28	\$3,424.00
6	Hydroseeding	13,200	LF	\$0.32	\$4,223.93
	Total Earthwork, Demolition, Clearing + Erosion Control			\$0.00	\$194,941.20
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	13,200	LF	\$55.00	\$725,988.68
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	200	LF	\$20.00	\$4,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	13,200	LF	\$23.00	\$303,595.27
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	13,200	LF	\$10.00	\$131,997.94
	<i>*Alternative trail surfaces not included in cost estimates</i>				
	Total General Construction				\$729,988.68
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses	0	LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	1	EA	\$500,000.00	\$500,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	2	EA	\$1,800.00	\$3,600.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	2	EA	\$325.00	\$650.00
20	Tree Planting	14	EA	\$500.00	\$7,000.00
21	Raised Planters/Bollards	12	EA	\$500.00	\$6,000.00
22	Trash/Recycle Receptacles	2	EA	\$350.00	\$700.00
23	Benches	4	EA	\$750.00	\$3,000.00
	Total Structures and Special Features				\$529,200.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	4	EA	\$175.00	\$700.00
25	Signage (Traffic Control)	12	EA	\$250.00	\$3,000.00
26	Bank Stabilization	800	LF	\$40.00	\$32,000.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	1	EA	\$5,525.00	\$5,525.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	1	EA	\$10,020.00	\$10,020.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	Total Safety Treatments				\$51,245.00
E. OTHER					
32	Registered Land Survey	13,200	LF	\$2.00	\$26,399.59
	Total Other				\$26,399.59
	SUBTOTAL ALL AREAS				\$1,531,774.47
	COST FACTOR		20% Contingency		\$306,354.89
	FEASIBILITY, DESIGN, ENGINEERING		30%		\$459,532.34
	GRAND TOTAL ALL AREAS				\$2,297,661.71

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Rome Silver Comet Connection**SECTION 12****Project Summary**

NO.	ITEM	QTY.	UNIT	COST	EXTENSION
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL					
1	Clearing + Grubbing (includes litter and vandalism removal)	90,665	LF	\$3.00	\$271,995.80
2	Silt Fence (Each Side)	181,331	LF	\$3.00	\$543,991.61
3	Fine Grading (0-5 cu ft/lf)	90,665	LF	\$4.28	\$388,047.35
4	Construction Entrance	34	EA	\$3,000.00	\$102,000.00
5	Bank Stabilization	6,400	LF	\$4.28	\$27,392.00
6	Hydroseeding	90,665	LF	\$0.32	\$29,012.89
	Total Earthwork, Demolition, Clearing + Erosion Control			\$0.00	\$1,362,439.64
B. GENERAL CONSTRUCTION					
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	90,665	LF	\$55.00	\$4,986,589.72
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	1,500	LF	\$20.00	\$30,000.00
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	90,665	LF	\$23.00	\$2,085,301.16
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	90,665	LF	\$10.00	\$906,652.68
	<i>*Alternative trail surfaces not included in cost estimates</i>				
	Total General Construction				\$5,016,589.72
C. STRUCTURES AND SPECIAL FEATURES					
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00
15	Trailhead	3	EA	\$500,000.00	\$1,500,000.00
16	Directional Signage	3	EA	\$250.00	\$750.00
17	Interpretive Signage	17	EA	\$1,800.00	\$30,600.00
18	Kiosks	3	EA	\$2,500.00	\$7,500.00
19	Mile Markers	17	EA	\$325.00	\$5,525.00
20	Tree Planting	64	EA	\$500.00	\$32,000.00
21	Raised Planters/Bollards	90	EA	\$500.00	\$45,000.00
22	Trash/Recycle Receptacles	17	EA	\$350.00	\$5,950.00
23	Benches	34	EA	\$750.00	\$25,500.00
	Total Structures and Special Features				\$1,652,825.00
D. SAFETY TREATMENTS					
24	Detectable Warning Mat	30	EA	\$175.00	\$5,250.00
25	Signage (Traffic Control)	90	EA	\$250.00	\$22,500.00
26	Bank Stabilization	6,400	LF	\$40.00	\$256,000.00
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)	12	EA	\$5,525.00	\$66,300.00
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)	3	EA	\$10,020.00	\$30,060.00
29	Raised Crosswalk		EA	\$7,000.00	\$0.00
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00
	Total Safety Treatments				\$380,110.00
E. OTHER					
32	Registered Land Survey	90,665	LF	\$2.00	\$181,330.54
	Total Other				\$181,330.54
	SUBTOTAL ALL AREAS				\$8,593,294.90
	COST FACTOR		20% Contingency		\$1,718,658.98
	FEASIBILITY, DESIGN, ENGINEERING		30%		\$2,577,988.47
	GRAND TOTAL ALL AREAS				\$12,889,942.35

PRELIMINARY PROBABLE COST OF CONSTRUCTION

Apr-13

PROJECT NAME - Cave Spring Silver Comet Connector

SECTION 13

Project Summary

NO.	ITEM	QTY.	UNIT	COST	EXTENSION	
A. EARTHWORK, DEMOLITION, CLEARING + EROSION CONTROL						
1	Clearing + Grubbing (includes litter and vandalism removal)	51,427	LF	\$3.00	\$154,282.34	
2	Silt Fence (Each Side)	102,855	LF	\$3.00	\$308,564.68	
3	Fine Grading (0-5 cu ft/lf)	51,427	LF	\$4.28	\$220,109.47	
4	Construction Entrance	20	EA	\$3,000.00	\$60,000.00	
5	Bank Stabilization	3,200	LF	\$4.28	\$13,696.00	
6	Hydroseeding	51,427	LF	\$0.32	\$16,456.78	
Total Earthwork, Demolition, Clearing + Erosion Control					\$773,109.28	
B. GENERAL CONSTRUCTION						
7	10' Concrete Multi-Use Trail (4" thick, 3,000 PSI conc., WWF, 4" gravel base)	51,427	LF	\$55.00	\$2,828,509.60	
8	Curb and Gutter (Concrete, 6" x 30", TP 2)	800	LF	\$20.00	\$16,000.00	
9	*10' Asphalt Multi-Use Trail (1½" thick bituminous surface, 4" gravel base)	51,427	LF	\$23.00	\$1,182,831.29	
10	*10' Crushed Stone Trail (¾" crushed stone, compacted, 6" deep)	51,427	LF	\$10.00	\$514,274.47	
<i>*Alternative trail surfaces not included in cost estimates</i>						
Total General Construction					\$2,844,509.60	
C. STRUCTURES AND SPECIAL FEATURES						
13	Lighting and Wiring of Overpasses and Underpasses		LS	\$22,000.00	\$0.00	
14	Rehabilitation of Existing Structures		LS	\$500,000.00	\$0.00	
15	Trailhead	2	EA	\$500,000.00	\$1,000,000.00	
16	Directional Signage	6	EA	\$250.00	\$1,500.00	
17	Interpretive Signage	10	EA	\$1,800.00	\$18,000.00	
18	Kiosks	6	EA	\$2,500.00	\$15,000.00	
19	Mile Markers	10	EA	\$325.00	\$3,250.00	
20	Tree Planting	40	EA	\$500.00	\$20,000.00	
21	Raised Planters/Bollards	48	EA	\$500.00	\$24,000.00	
22	Trash/Recycle Receptacles	10	EA	\$350.00	\$3,500.00	
23	Benches	20	EA	\$750.00	\$15,000.00	
Total Structures and Special Features					\$1,100,250.00	
D. SAFETY TREATMENTS						
24	Detectable Warning Mat	16	EA	\$175.00	\$2,800.00	
25	Signage (Traffic Control)	48	EA	\$250.00	\$12,000.00	
26	Bank Stabilization	3,200	LF	\$40.00	\$128,000.00	
27	Intersection Treatment (Unsignalized Crossing with curb ramp and crosswalk)		EA	\$5,525.00	\$0.00	
28	Intersection Treatment (Signalized Crossing - Countdown Signal Only)		EA	\$10,020.00	\$0.00	
29	Raised Crosswalk		EA	\$7,000.00	\$0.00	
30	Intersection Treatment (Signalized Crossing - HAWK)		EA	\$52,500.00	\$0.00	
31	Black wrought iron fencing along steep slopes		LF	\$90.00	\$0.00	
Total Safety Treatments					\$142,800.00	
E. OTHER						
32	Registered Land Survey	51,427	LF	\$2.00	\$102,854.89	
Total Other					\$102,854.89	
SUBTOTAL ALL AREAS					\$4,963,523.78	
COST FACTOR					20% Contingency	\$992,704.76
FEASIBILITY, DESIGN, ENGINEERING					30%	\$1,489,057.13
GRAND TOTAL ALL AREAS					\$7,445,285.66	