

APPENDIX G
PROJECT PHASING CONCEPT ESTIMATES



August 4, 2017

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Capitol Blvd - Trosper Rd Intersection Improvements**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$305,701	1	\$305,701
2	CLEARING AND GRUBBING	ACRE	\$15,000	1	\$15,000
3	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$250,000	1	\$250,000
Subtotal					\$570,701
GRADING					
4	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$40	9,700	\$388,000
5	SELECT BORROW INCL. HAUL	TON	\$25	3,900	\$97,500
Subtotal					\$485,500
STORM SEWER					
6	CATCH BASIN TYPE 1	EACH	\$1,600	28	\$44,800
7	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	12	\$36,000
8	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,690	\$84,500
9	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,510	\$7,530
10	WATER QUALITY	L.S.	\$150,000	1	\$150,000
11	INFILTRATION GALLERY	L.S.	\$166,000	1	\$166,000
Subtotal					\$488,830
SURFACING					
12	CRUSHED SURFACING BASE COURSE	TON	\$30	8,910	\$267,300
Subtotal					\$267,300
HOT MIX ASPHALT					
13	HMA CL. 1/2 IN. PG 64-22	TON	\$90	6,130	\$551,700
Subtotal					\$551,700
EROSION CONTROL AND PLANTING					
14	ESC LEAD	DAYS	\$150	200	\$30,000
15	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$100,000	1	\$100,000
16	SEEDING, FERTILIZING, AND MULCHING	ACRE	\$2,000	1	\$2,000
Subtotal					\$132,000
TRAFFIC					
17	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$25	9,000	\$225,000
18	PERMANENT STRIPING	L.S.	\$25,000	1	\$25,000
19	PERMANENT SIGNING	L.S.	\$20,000	1	\$20,000
20	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$469,730	1	\$469,730
Subtotal					\$739,730
OTHER ITEMS					
21	CEMENT CONC. SIDEWALK	S.Y.	\$50	3,250	\$162,500
22	CEMENT CONC. CURB RAMP	EACH	\$2,000	20	\$40,000
23	ROADWAY SURVEYING	L.S.	\$60,000	1	\$60,000
24	ADA SURVEYING	EST.	\$20,000	1	\$20,000
25	ILLUMINATION	EACH	\$14,500	24	\$348,000
26	TOPSOIL TYPE A	S.Y.	\$10	4,070	\$40,700
27	LANDSCAPING	L.S.	\$200,000	1	\$200,000
28	FORCE ACCOUNT - POTHOLING	EST.	\$20,000	1	\$20,000
Subtotal					\$891,200
SUBTOTAL					\$4,126,960
PHASE I ENVIRONMENTAL ASSESSMENT					\$40,000
PHASE II ENVIRONMENTAL ASSESSMENT					\$60,000
CONTINGENCY (30%)					\$1,238,088
DESIGN ENGINEERING (15.0%)					\$804,757
CONSTRUCTION ENGINEERING (10.0%)					\$536,505
TOTAL CONSTRUCTION COST					\$6,806,310
RIGHT-OF-WAY ACQUISITION					\$4,620,466
TOTAL PROJECT COST					\$11,426,776



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 2 - T Street RAB Project**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$112,000	1	\$112,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$40,000	1	\$40,000
Subtotal					\$152,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	2,800	\$126,000
4	SELECT BORROW INCL. HAUL	TON	\$30	1,100	\$33,000
Subtotal					\$159,000
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	0	\$0
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,000	\$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,500	\$7,500
9	WATER QUALITY	L.S.	\$15,000	1	\$15,000
10	FLOW CONTROL - INFILTRATION	L.S.	\$100,000	1	\$100,000
Subtotal					\$189,500
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,440	\$73,200
Subtotal					\$73,200
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,700	\$161,500
Subtotal					\$161,500
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
Subtotal					\$40,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,500	\$112,500
15	PERMANENT STRIPING	L.S.	\$5,000	1	\$5,000
16	PERMANENT SIGNING	L.S.	\$5,000	1	\$5,000
17	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$100,000	1	\$100,000
18	ROUNDBOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	\$3,200
19	ROUNDBOUT CEMENT CONCRETE CURB	L.F.	\$45	1,300	\$58,500
20	ROUNDBOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	\$80	190	\$15,200
21	ROUNDBOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	\$50	230	\$11,500
Subtotal					\$222,500
OTHER ITEMS					
22	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,200	\$114,000
23	CEMENT CONC. DRIVEWAY	S.Y.	\$95	20	\$1,900
24	CEMENT CONC. CURB RAMP	EACH	\$5,000	8	\$40,000
25	CEMENT CONC. PAVEMENT	C.Y.	\$335	160	\$53,600
26	ROADWAY SURVEYING	L.S.	\$80,000	1	\$80,000
27	ADA SURVEYING	L.S.	\$10,000	1	\$10,000
28	ILLUMINATION	EACH	\$14,500	7	\$101,500
29	TOPSOIL TYPE A	S.Y.	\$40	1,000	\$40,000
30	LANDSCAPING	L.S.	\$66,400	1	\$66,400
Subtotal					\$507,400
SUBTOTAL					\$1,593,500
CONTINGENCY (30%)					\$478,100
SUBTOTAL					\$2,071,600
DESIGN ENGINEERING (15.0%)					\$310,800
CONSTRUCTION ENGINEERING (15.0%)					\$310,800
TOTAL CONSTRUCTION COST					\$2,693,200
RIGHT-OF-WAY ACQUISITION					\$2,260,000
TOTAL PROJECT COST					\$4,953,200



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 3 - T St to Trosper Rd**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$122,000	1	\$122,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$15,000	1	\$15,000
Subtotal					\$137,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,300	\$58,500
4	SELECT BORROW INCL. HAUL	TON	\$30	1,000	\$30,000
Subtotal					\$88,500
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	4	\$12,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,100	\$55,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	5,000	\$15,000
9	WATER QUALITY	L.S.	\$30,000	1	\$30,000
10	INFILTRATION GALLERY	L.S.	\$100,000	1	\$100,000
Subtotal					\$229,000
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,130	\$63,900
Subtotal					\$63,900
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,700	\$161,500
Subtotal					\$161,500
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$30,000	1	\$30,000
Subtotal					\$30,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,790	\$134,250
15	CEMENT CONC. TRAFFIC CURB	L.F.	\$45	970	\$43,650
16	PERMANENT STRIPING	L.S.	\$10,000	1	\$10,000
17	PERMANENT SIGNING	L.S.	\$10,000	1	\$10,000
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$160,000	1	\$160,000
Subtotal					\$357,900
OTHER ITEMS					
19	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,180	\$112,100
20	CEMENT CONC. DRIVEWAY	S.Y.	\$95	200	\$19,000
21	CEMENT CONC. CURB RAMP	EACH	\$5,000	15	\$75,000
22	CEMENT CONC. PAVEMENT	C.Y.	\$335	80	\$26,800
23	ROADWAY SURVEYING	L.S.	\$100,000	1	\$100,000
24	ADA SURVEYING	L.S.	\$10,000	1	\$10,000
25	ILLUMINATION	EACH	\$14,500	10	\$145,000
26	LANDSCAPING	L.S.	\$80,000	1	\$80,000
Subtotal					\$567,900
SUBTOTAL					\$1,635,700
CONTINGENCY (30%)					\$490,710
SUBTOTAL					\$2,126,410
DESIGN ENGINEERING (15.0%)					\$319,000
CONSTRUCTION ENGINEERING (10.0%)					\$212,700
TOTAL CONSTRUCTION COST					\$2,658,110
RIGHT-OF-WAY ACQUISITION					\$330,000
TOTAL PROJECT COST					\$2,988,110



March 13, 2018

**Capitol Boulevard Corridor Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 4 - North-South Connector**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$91,000	1	\$91,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$7,000	1	\$7,000
Subtotal					\$98,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	2,200	\$99,000
4	SELECT BORROW INCL. HAUL	TON	\$30	900	\$27,000
Subtotal					\$126,000
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	2	\$6,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,000	\$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,500	\$7,500
9	WATER QUALITY	L.S.	\$15,000	1	\$15,000
10	INFILTRATION GALLERY	L.S.	\$100,000	1	\$100,000
Subtotal					\$195,500
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,450	\$43,500
Subtotal					\$43,500
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,040	\$98,800
Subtotal					\$98,800
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
Subtotal					\$40,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,700	\$127,500
15	PERMANENT STRIPING	L.S.	\$2,500	1	\$2,500
16	PERMANENT SIGNING	L.S.	\$2,500	1	\$2,500
17	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$35,000	1	\$35,000
Subtotal					\$167,500
OTHER ITEMS					
18	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,060	\$100,700
19	CEMENT CONC. DRIVEWAY	S.Y.	\$95	60	\$5,700
20	CEMENT CONC. CURB RAMP	EACH	\$5,000	14	\$70,000
21	CEMENT CONC. PAVEMENT	C.Y.	\$335	0	\$0
22	ROADWAY SURVEYING	L.S.	\$60,000	1	\$60,000
23	ADA SURVEYING	L.S.	\$5,000	1	\$5,000
24	ILLUMINATION	EACH	\$14,500	7	\$101,500
25	TOPSOIL TYPE A	S.Y.	\$40	1,290	\$51,600
26	LANDSCAPING	L.S.	\$53,700	1	\$53,700
Subtotal					\$448,200
SUBTOTAL					\$1,217,500
CONTINGENCY (30%)					\$365,250
SUBTOTAL					\$1,582,750
DESIGN ENGINEERING (15.0%)					\$237,500
CONSTRUCTION ENGINEERING (15.0%)					\$237,500
TOTAL CONSTRUCTION COST					\$2,057,750
RIGHT-OF-WAY ACQUISITION					\$1,100,000
TOTAL PROJECT COST					\$3,157,750



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 5 - X Street RAB Project**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$104,370	1	\$104,370
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$40,000	1	\$40,000
				Subtotal	\$144,370
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$55	2,500	\$137,500
4	SELECT BORROW INCL. HAUL	TON	\$30	1,000	\$30,000
				Subtotal	\$167,500
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	12	\$20,400
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	2	\$6,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,000	\$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,510	\$7,530
9	WATER QUALITY	L.S.	\$15,000	1	\$15,000
10	FLOW CONTROL - INFILTRATION	L.S.	\$100,000	1	\$100,000
				Subtotal	\$198,930
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,360	\$70,800
				Subtotal	\$70,800
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,540	\$146,300
				Subtotal	\$146,300
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
				Subtotal	\$40,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,300	\$97,500
15	CEMENT CONC. TRAFFIC CURB	L.F.	\$45	190	\$8,550
16	PERMANENT STRIPING	L.S.	\$5,000	1	\$5,000
17	PERMANENT SIGNING	L.S.	\$5,000	1	\$5,000
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$100,000	1	\$100,000
19	ROUNDBOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	\$3,200
20	ROUNDBOUT CEMENT CONCRETE CURB	L.F.	\$45	920	\$41,400
21	ROUNDBOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	\$80	185	\$14,800
22	ROUNDBOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	\$50	230	\$11,500
				Subtotal	\$216,050
OTHER ITEMS					
23	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,070	\$101,650
24	CEMENT CONC. DRIVEWAY	S.Y.	\$95	100	\$9,500
25	CEMENT CONC. CURB RAMP	EACH	\$5,000	12	\$60,000
26	CEMENT CONC. PAVEMENT	C.Y.	\$335	140	\$46,900
27	ROADWAY SURVEYING	L.F.	\$10	830	\$8,300
28	ADA SURVEYING	EACH	\$750	12	\$9,000
29	ILLUMINATION	EACH	\$14,500	7	\$101,500
30	TOPSOIL TYPE A	S.Y.	\$40	630	\$25,200
31	LANDSCAPING	L.S.	\$63,000	1	\$63,000
				Subtotal	\$425,050
	SUBTOTAL				\$1,480,000
	CONTINGENCY (30%)				\$444,000
	SUBTOTAL				\$1,924,000
	DESIGN ENGINEERING (15.0%)				\$288,600
	CONSTRUCTION ENGINEERING (15.0%)				\$288,600
	TOTAL CONSTRUCTION COST				\$2,501,200
	RIGHT-OF-WAY ACQUISITION				\$2,500,000
	TOTAL PROJECT COST				\$5,001,200



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 6 (X St to T St)**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL	
PREPARATION						
1	MOBILIZATION	L.S.	\$104,000	1	\$104,000	
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$30,000	1	\$30,000	
					Subtotal	\$134,000
GRADING						
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,600	\$72,000	
4	SELECT BORROW INCL. HAUL	TON	\$30	800	\$24,000	
					Subtotal	\$96,000
STORM SEWER						
5	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000	
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	6	\$18,000	
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	2,100	\$105,000	
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	10,000	\$30,000	
9	WATER QUALITY	L.S.	\$30,000	1	\$30,000	
10	INFILTRATION GALLERY	L.S.	\$100,000	1	\$100,000	
					Subtotal	\$300,000
SURFACING						
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,560	\$46,800	
					Subtotal	\$46,800
HOT MIX ASPHALT						
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,310	\$124,450	
					Subtotal	\$124,450
EROSION CONTROL AND PLANTING						
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$45,000	1	\$45,000	
					Subtotal	\$45,000
TRAFFIC						
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,190	\$89,250	
15	CEMENT CONC. TRAFFIC CURB	L.F.	\$45	1,105	\$49,725	
16	PERMANENT STRIPING	L.S.	\$12,000	1	\$12,000	
17	PERMANENT SIGNING	L.S.	\$12,000	1	\$12,000	
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$200,000	1	\$200,000	
					Subtotal	\$273,725
OTHER ITEMS						
19	CEMENT CONC. SIDEWALK	S.Y.	\$95	580	\$55,100	
20	CEMENT CONC. DRIVEWAY	S.Y.	\$95	120	\$11,400	
21	CEMENT CONC. CURB RAMP	EACH	\$5,000	10	\$50,000	
22	CEMENT CONC. PAVEMENT	C.Y.	\$335	120	\$40,200	
23	ROADWAY SURVEYING	L.S.	\$100,000	1	\$100,000	
24	ADA SURVEYING	L.S.	\$15,000	1	\$15,000	
25	ILLUMINATION	EACH	\$14,500	10	\$145,000	
26	LANDSCAPING	L.S.	\$75,000	1	\$75,000	
					Subtotal	\$375,200
SUBTOTAL						\$1,600,925
CONTINGENCY (30%)						\$480,278
SUBTOTAL						\$2,082,000
DESIGN ENGINEERING (15.0%)						\$312,300
CONSTRUCTION ENGINEERING (15.0%)						\$312,300
TOTAL CONSTRUCTION COST						\$2,706,600
RIGHT-OF-WAY ACQUISITION						\$70,000
TOTAL PROJECT COST						\$2,776,600



March 13, 2018

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 7 - Dennis Street RAB Project**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$94,000	1	\$94,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$7,000	1	\$7,000
Subtotal					\$101,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	2,400	\$108,000
4	SELECT BORROW INCL. HAUL	TON	\$30	1,000	\$30,000
Subtotal					\$138,000
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	8	\$13,600
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	2	\$6,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,000	\$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,500	\$7,500
9	WATER QUALITY	L.S.	\$15,000	1	\$15,000
10	FLOW CONTROL - INFILTRATION	L.S.	\$100,000	1	\$100,000
Subtotal					\$192,100
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,190	\$65,700
Subtotal					\$65,700
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,500	\$142,500
Subtotal					\$142,500
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
Subtotal					\$40,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,300	\$97,500
15	PERMANENT STRIPING	L.S.	\$5,000	1	\$5,000
16	PERMANENT SIGNING	L.S.	\$5,000	1	\$5,000
17	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$100,000	1	\$100,000
18	ROUNDBOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	\$3,200
19	ROUNDBOUT CEMENT CONCRETE CURB	L.F.	\$45	920	\$41,400
20	ROUNDBOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	\$80	190	\$15,200
21	ROUNDBOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	\$50	230	\$11,500
Subtotal					\$207,500
OTHER ITEMS					
22	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,060	\$100,700
23	CEMENT CONC. CURB RAMP	EACH	\$5,000	8	\$40,000
24	CEMENT CONC. PAVEMENT	C.Y.	\$335	140	\$46,900
25	ROADWAY SURVEYING	L.F.	\$10	830	\$8,300
26	ADA SURVEYING	EACH	\$750	8	\$6,000
27	ILLUMINATION	EACH	\$14,500	6	\$87,000
28	TOPSOIL TYPE A	S.Y.	\$40	700	\$28,000
29	LANDSCAPING	L.S.	\$65,000	1	\$65,000
Subtotal					\$381,900
SUBTOTAL					\$1,340,000
CONTINGENCY (30%)					\$402,000
SUBTOTAL					\$1,742,000
DESIGN ENGINEERING (15.0%)					\$261,300
CONSTRUCTION ENGINEERING (15.0%)					\$261,300
TOTAL CONSTRUCTION COST					\$2,264,600
RIGHT-OF-WAY ACQUISITION					\$840,000
TOTAL PROJECT COST					\$3,104,600



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 8 - Dennis St to X St**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL	
PREPARATION						
1	MOBILIZATION	L.S.	\$102,000	1	\$102,000	
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$30,000	1	\$30,000	
					Subtotal	\$132,000
GRADING						
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,500	\$67,500	
4	SELECT BORROW INCL. HAUL	TON	\$30	700	\$21,000	
					Subtotal	\$88,500
STORM SEWER						
5	CATCH BASIN TYPE 1	EACH	\$1,700	11	\$18,700	
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	4	\$12,000	
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,600	\$80,000	
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	7,500	\$22,500	
9	WATER QUALITY	L.S.	\$30,000	1	\$30,000	
10	INFILTRATION GALLERY	L.S.	\$100,000	1	\$100,000	
					Subtotal	\$263,200
SURFACING						
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,520	\$45,600	
					Subtotal	\$45,600
HOT MIX ASPHALT						
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,290	\$122,550	
					Subtotal	\$122,550
EROSION CONTROL AND PLANTING						
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$45,000	1	\$45,000	
					Subtotal	\$45,000
TRAFFIC						
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	812	\$60,900	
15	CEMENT CONC. TRAFFIC CURB	L.F.	\$45	1,680	\$75,600	
16	PERMANENT STRIPING	L.S.	\$12,000	1	\$12,000	
17	PERMANENT SIGNING	L.S.	\$12,000	1	\$12,000	
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$200,000	1	\$200,000	
					Subtotal	\$299,600
OTHER ITEMS						
19	CEMENT CONC. SIDEWALK	S.Y.	\$95	520	\$49,400	
20	CEMENT CONC. DRIVEWAY	S.Y.	\$95	70	\$6,650	
21	CEMENT CONC. CURB RAMP	EACH	\$5,000	8	\$40,000	
22	CEMENT CONC. PAVEMENT	C.Y.	\$335	130	\$43,550	
23	ROADWAY SURVEYING	L.S.	\$100,000	1	\$100,000	
24	ADA SURVEYING	L.S.	\$15,000	1	\$15,000	
25	ILLUMINATION	EACH	\$14,500	10	\$145,000	
26	LANDSCAPING	L.S.	\$75,000	1	\$75,000	
					Subtotal	\$378,550
SUBTOTAL						\$1,531,950
CONTINGENCY (30%)						\$459,585
SUBTOTAL						\$1,992,000
DESIGN ENGINEERING (15.0%)						\$298,800
CONSTRUCTION ENGINEERING (15.0%)						\$298,800
TOTAL CONSTRUCTION COST						\$2,589,600
RIGHT-OF-WAY ACQUISITION						\$30,000
TOTAL PROJECT COST						\$2,619,600



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 9 - Israel Rd to Dennis St**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$73,000	1	\$73,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$15,000	1	\$15,000
Subtotal					\$88,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,100	\$49,500
4	SELECT BORROW INCL. HAUL	TON	\$30	500	\$15,000
Subtotal					\$64,500
STORM SEWER					
5	CATCH BASIN TYPE 1	EACH	\$1,700	7	\$11,900
6	CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	2	\$6,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$50	1,000	\$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	5,000	\$15,000
9	WATER QUALITY	L.S.	\$20,000	1	\$20,000
10	INFILTRATION GALLERY	L.S.	\$70,000	1	\$70,000
Subtotal					\$172,900
SURFACING					
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,180	\$35,400
Subtotal					\$35,400
HOT MIX ASPHALT					
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,010	\$95,950
Subtotal					\$95,950
EROSION CONTROL AND PLANTING					
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$20,000	1	\$20,000
Subtotal					\$20,000
TRAFFIC					
14	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	570	\$42,750
15	CEMENT CONC. TRAFFIC CURB	L.F.	\$45	1,410	\$63,450
16	PERMANENT STRIPING	L.S.	\$8,000	1	\$8,000
17	PERMANENT SIGNING	L.S.	\$8,000	1	\$8,000
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$120,000	1	\$120,000
Subtotal					\$199,450
OTHER ITEMS					
19	CEMENT CONC. SIDEWALK	S.Y.	\$95	340	\$32,300
20	CEMENT CONC. CURB RAMP	EACH	\$5,000	2	\$10,000
21	CEMENT CONC. PAVEMENT	C.Y.	\$335	110	\$36,850
22	ROADWAY SURVEYING	L.S.	\$80,000	1	\$80,000
23	ADA SURVEYING	L.S.	\$15,000	1	\$15,000
24	ILLUMINATION	EACH	\$14,500	8	\$116,000
25	LANDSCAPING	L.S.	\$50,000	1	\$50,000
Subtotal					\$297,850
SUBTOTAL					\$1,059,100
CONTINGENCY (30%)					\$317,730
SUBTOTAL					\$1,377,000
DESIGN ENGINEERING (15.0%)					\$206,600
CONSTRUCTION ENGINEERING (15.0%)					\$206,600
TOTAL CONSTRUCTION COST					\$1,790,200
RIGHT-OF-WAY ACQUISITION					\$20,000
TOTAL PROJECT COST					\$1,810,200



August 13, 2019

**Capitol Boulevard Corridor - Phase 1
Feasibility and Pre-Design
Conceptual Estimate
Project 10 - Neighborhood Calming**

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
PREPARATION					
1	MOBILIZATION	L.S.	\$18,000	1	\$18,000
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$12,000	1	\$12,000
Subtotal					\$30,000
GRADING					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	300	\$13,500
4	SELECT BORROW INCL. HAUL	TON	\$30	200	\$6,000
Subtotal					\$19,500
SURFACING					
5	CRUSHED SURFACING BASE COURSE	TON	\$30	100	\$3,000
Subtotal					\$3,000
HOT MIX ASPHALT					
6	HMA CL. 1/2 IN. PG 64-22	TON	\$95	60	\$5,700
Subtotal					\$5,700
EROSION CONTROL AND PLANTING					
7	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$25,000	1	\$25,000
Subtotal					\$25,000
TRAFFIC					
8	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	400	\$30,000
9	PERMANENT STRIPING	L.S.	\$2,500	1	\$2,500
10	PERMANENT SIGNING	L.S.	\$2,500	1	\$2,500
11	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$50,000	1	\$50,000
Subtotal					\$85,000
OTHER ITEMS					
12	CEMENT CONC. SIDEWALK	S.Y.	\$95	190	\$18,050
13	CEMENT CONC. DRIVEWAY	S.Y.	\$95	50	\$4,750
14	ROADWAY SURVEYING	L.S.	\$50,000	1	\$50,000
15	LANDSCAPING	L.S.	\$10,000	1	\$10,000
Subtotal					\$64,750
SUBTOTAL					\$251,000
CONTINGENCY (30%)					\$75,300
SUBTOTAL					\$326,300
DESIGN ENGINEERING (15.0%)					\$49,000
CONSTRUCTION ENGINEERING (15.0%)					\$49,000
TOTAL CONSTRUCTION COST					\$424,300
RIGHT-OF-WAY ACQUISITION					\$0
TOTAL PROJECT COST					\$425,000