#### 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
PREPAR	RATION				
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
GRADIN					
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		E4011	<b>04.000</b>		044.000
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 1	\$150,000
11	INFILTRATION GALLERY	L.S.	\$166,000	Subtotal	\$166,000 \$488,830
SURFAC	NIC			Subtotal	\$400,030
12	CRUSHED SURFACING BASE COURSE	TON	\$30	8,910	\$267,300
	CITCOTIED CONTINUED FICE COUNCE	1011	ΨΟΟ	Subtotal	\$267,300
HOT MIX	( ASPHALT				<b>,</b>
13	HMA CL. 1/2 IN. PG 64-22	TON	\$90	6,130	\$551,700
			·	Subtotal	\$551,700
<b>EROSIO</b>	N 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 I		0.1/	<b></b>	2.050	\$400 F00
21	CEMENT CONC. SIDEWALK	S.Y.	\$50	3,250	\$162,500
22 23	CEMENT CONC. CURB RAMP ROADWAY SURVEYING	EACH L.S.	\$2,000	20 1	\$40,000
23 24		EST.	\$60,000 \$20,000	1	\$60,000
24 25	ADA SURVEYING ILLUMINATION	EACH	\$20,000 \$14,500	24	\$20,000 \$348,000
25 26	TOPSOIL TYPE A	S.Y.	\$14,500 \$10	4,070	\$346,000 \$40,700
27	LANDSCAPING	L.S.	\$200,000	4,070	\$200,000
28	FORCE ACCOUNT - POTHOLING	EST.	\$200,000	1	\$200,000
	FORCE ACCOUNT - FOTHOLING	ESI.	\$20,000	Subtotal	\$891,200
	SUBTOTAL			Oubtotai	\$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
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# Capitol Boulevard Corridor - Phase 1 Feasibility and Pre-Design Conceptual Estimate Project 2 - T Street RAB Project

ITEM #	DESCRIPTION	UNIT	<b>UNIT PRICE</b>	QTY	TOTAL
1	MOBILIZATION	L.S.	\$112,000	1	
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$40,000	1	
DADIN				Subtotal	\$152,000
	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	2,800	\$126,000
	SELECT BORROW INCL. HAUL	TON	\$30	1,100	
	OLLEGI BONNOW INCL. HAGE	1011	ΨΟΟ	Subtotal	
STORM	SEWER			<u> </u>	<del>↓,</del>
2 RE  GRADING  3 RC 4 SE  STORM SEW 5 CA 6 CA 7 SC 8 SH 9 W/ 10 FL  SURFACING 11 CF  HOT MIX AS 12 HN  EROSION CC 13 ER  TRAFFIC  14 CE 15 PE 16 PE 17 PR 18 RC 19 RC 20 RC 21 RC 20 RC 21 RC 21 RC  OTHER ITEM 22 CE 23 CE 24 CE 25 CE 26 RC 27 AC 28 ILL 29 TC 30 LA	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$126,000 \$33,000 \$159,000 \$17,000 \$0 \$50,000 \$15,000 \$100,000 \$189,500 \$73,200 \$161,500 \$161,500
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
_	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$3	2,500	\$7,500
	WATER QUALITY	L.S.	\$15,000	1	
10	FLOW CONTROL - INFILTRATION	L.S.	\$100,000	1	
NIDEA C	NIV.			Subtotal	\$189,500
	CRUSHED SURFACING BASE COURSE	TON	\$30	2,440	¢72 200
- 11	CRUSHED SURFACING BASE COURSE	TON	φου	Subtotal	
нот міх	( ASPHALT			Gubtotai	Ψ13,200
	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,700	\$161.500
	111111111111111111111111111111111111111		Ψοσ	Subtotal	
EROSIO	N CONTROL AND PLANTING				. ,
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
				Subtotal	\$40,000
	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	\$75	1,500	
	PERMANENT STRIPING	L.S.	\$5,000	1	. ,
	PERMANENT SIGNING PROJECT TEMPORARY TRAFFIC CONTROL	L.S. L.S.	\$5,000 \$100,000	1 1	
	ROUNDABOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	
	ROUNDABOUT CEMENT CONCRETE CURB	L.F.	\$45	1,300	
	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	\$80	190	
					\$11,500
	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	\$50	230	
	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER		\$50	230 Subtotal	\$222,500
OTHER I			\$50		
			\$50 \$95		
22 23	ITEMS  CEMENT CONC. SIDEWALK  CEMENT CONC. DRIVEWAY	S.Y. S.Y.		1,200 20	\$222,500
22 23 24	ITEMS  CEMENT CONC. SIDEWALK  CEMENT CONC. DRIVEWAY  CEMENT CONC. CURB RAMP	S.Y. S.Y. EACH	\$95 \$95 \$5,000	1,200 20 8	\$222,500 \$114,000 \$1,900 \$40,000
22 23 24 25	TEMS  CEMENT CONC. SIDEWALK  CEMENT CONC. DRIVEWAY  CEMENT CONC. CURB RAMP  CEMENT CONC. PAVEMENT	S.Y. S.Y. S.Y. EACH C.Y.	\$95 \$95 \$5,000 \$335	1,200 20 8 160	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600
22 23 24 25 26	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING	S.Y. S.Y. S.Y. EACH C.Y. L.S.	\$95 \$95 \$5,000 \$335 \$80,000	1,200 20 8 160 1	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000
22 23 24 25 26 27	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000	1,200 20 8 160 1	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000
22 23 24 25 26 27 28	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500	1,200 20 8 160 1 7	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000 \$101,500
22 23 24 25 26 27 28 29	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000 \$101,500 \$40,000
22 23 24 25 26 27 28 29	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000 \$101,500 \$40,000 \$66,400
22 23 24 25 26 27 28 29	CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A LANDSCAPING	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$10,000 \$101,500 \$40,000 \$66,400 \$507,400
22 23 24 25 26 27 28 29	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$101,500 \$40,000 \$66,400 \$1,593,50
22 23 24 25 26 27 28 29	CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A LANDSCAPING SUBTOTAL	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$10,000 \$101,500 \$40,000 \$66,400 \$1,593,50 \$478,10
22 23 24 25 26 27 28 29	CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A LANDSCAPING SUBTOTAL CONTINGENCY (30%)	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$10,000 \$101,500 \$40,000 \$1,593,50 \$478,10 \$2,071,60
22 23 24 25 26 27 28 29	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A LANDSCAPING  SUBTOTAL CONTINGENCY (30%) SUBTOTAL	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000 \$40,000 \$66,400 \$507,400 \$1,593,50 \$478,10 \$2,071,60 \$310,80
22 23 24 25 26 27 28 29	TEMS  CEMENT CONC. SIDEWALK CEMENT CONC. DRIVEWAY CEMENT CONC. CURB RAMP CEMENT CONC. PAVEMENT ROADWAY SURVEYING ADA SURVEYING ILLUMINATION TOPSOIL TYPE A LANDSCAPING  SUBTOTAL CONTINGENCY (30%) SUBTOTAL DESIGN ENGINEERING (15.0%)	S.Y. S.Y. S.Y. EACH C.Y. L.S. L.S. EACH S.Y.	\$95 \$95 \$5,000 \$335 \$80,000 \$10,000 \$14,500 \$40	1,200 20 8 160 1 7 1,000	\$222,500 \$114,000 \$1,900 \$40,000 \$53,600 \$80,000 \$10,000 \$101,500 \$40,000 \$66,400



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

ITEM#	DESCRIPTION	UNIT	<b>UNIT PRICE</b>	QTY	TOTAL		
PREPAR	RATION						
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		
GRADIN							
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,300	\$58,500		
4	SELECT BORROW INCL. HAUL	TON	\$30	1,000	\$30,000		
CTORM	CEWED			Subtotal	\$88,500		
STORM 5	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000		
6	CATCH BASIN TYPE 1 CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	4	\$12,000		
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$5,000 \$50	1,100	\$55,000		
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$30 \$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		
	THE PROPERTY OF CELETA	2.0.	φ100,000	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		
<b>EROSIO</b>	N CONTROL AND PLANTING						
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$30,000	1	\$30,000		
				Subtotal	\$30,000		
TRAFFIC			<u> </u>		•		
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 18	PERMANENT SIGNING	L.S. L.S.	\$10,000	1 1	\$10,000		
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$160,000	Subtotal	\$160,000 <b>\$357,900</b>		
OTHER	ITEMS			Subtotal	\$357, <del>9</del> 00		
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
PREPAR	RATION				
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
GRADIN			A.1-		<b>A</b> 22.222
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	2,200	\$99,000
4	SELECT BORROW INCL. HAUL	TON	\$30	900	\$27,000
STORM	SEWED			Subtotal	\$126,000
510KW	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
SURFAC	CING				
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
	N CONTROL AND PLANTING				
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1	\$40,000
				Subtotal	\$40,000
TRAFFIC			075	4.700	<b>0</b> 407.500
14 15	CEMENT CONC. TRAFFIC CURB AND GUTTER PERMANENT STRIPING	L.F.	\$75	1,700	\$127,500
16	PERMANENT STRIPING PERMANENT SIGNING	L.S. L.S.	\$2,500 \$2,500	1 1	\$2,500 \$2,500
17	PROJECT TEMPORARY TRAFFIC CONTROL	L.S. L.S.	\$2,500 \$35,000	1	\$2,500 \$35,000
	PROJECT TEMPORARY TRAITIC CONTROL	L.O.	ψ33,000	Subtotal	\$167,500
OTHER	ITEMS			Oubtotai	ψ107,000
18	CEMENT CONC. SIDEWALK	S.Y.	\$95	1,060	\$100,700
19	CEMENT CONC. DRIVEWAY	S.Y.	<b>\$</b> 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  DESIGNATION OF THE PRINCE (45.00%)				\$1,582,750
	DESIGN ENGINEERING (15.0%)				\$237,500
	CONSTRUCTION ENGINEERING (15.0%)				\$237,500
	TOTAL CONSTRUCTION COST RIGHT-OF-WAY ACQUISITION				\$2,057,750 \$1,100,000
	TOTAL PROJECT COST				\$3,157,750
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#### Capitol Boulevard Corridor - Phase 1 Feasibility and Pre-Design Conceptual Estimate Project 5 - X Street RAB Project

ITEM#		UNIT	UNIT PRICE	QTY	TOTAL
PREPAR					
1	MOBILIZATION	L.S.	\$104,370	1	\$104,370
2	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	\$40,000	Subtotal	\$40,000 <b>\$144,370</b>
GRADIN	IG.			Jubiotai	\$144,370
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			A . =		
5	CATCH BASIN TYPE 1	EACH	\$1,700	12	\$20,400
6 7	CATCH BASIN TYPE 2 - 48" DIAM SCH. A STORM SEWER PIPE 12 IN. DIAM.	EACH L.F.	\$3,000 \$50	2 1,000	\$6,000 \$50,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$30 \$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
SURFAC		TON	400		<b>A</b> =2.222
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,360	\$70,800
HOT MIX	X ASPHALT			Subtotal	\$70,800
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,540	\$146,300
			Ψοσ	Subtotal	\$146,300
<b>EROSIO</b>	N 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 CORB AND GOTTER CEMENT CONC. TRAFFIC CURB	L.F.	\$75 \$45	1,300	\$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	ROUNDABOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	\$3,200
20	ROUNDABOUT CEMENT CONCRETE CURB	L.F.	\$45 \$20	920	\$41,400
21 22	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F. L.F.	\$80 \$50	185 230	\$14,800 \$11,500
	ROUNDADOUT TROOK ALKON GEW. CONG. COND AND COTTER	L.I .	ΨΟΟ	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 CEMENT CONC. PAVEMENT	EACH C.Y.	\$5,000	12	\$60,000
26 27	ROADWAY SURVEYING	L.F.	\$335 \$10	140 830	\$46,900 \$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
	OUDTOTAL			Subtotal	\$425,050
	SUBTOTAL CONTINGENCY (30%)				\$1,480,000 \$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



# 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
PREPAR	RATION				
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
GRADIN		0.1/	A 15		<b>ATO 000</b>
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,600	\$72,000
4	SELECT BORROW INCL. HAUL	TON	\$30	800	\$24,000
STORM	CEWED			Subtotal	\$96,000
510KW	CATCH BASIN TYPE 1	EACH	\$1,700	10	\$17,000
6	CATCH BASIN TYPE 1 CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	6	\$17,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$5,000 \$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
			+ 100,000	Subtotal	\$300,000
SURFAC	CING				
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,560	\$46,800
				Subtotal	\$46,800
	( ASPHALT				
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,310	\$124,450
				Subtotal	\$124,450
	N CONTROL AND PLANTING		<b>A15.000</b>		<b>A15.000</b>
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$45,000	1	\$45,000
TRAFFIC	2			Subtotal	\$45,000
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	1,100	\$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 Subtotal	\$75,000 \$375,200
	SUBTOTAL			Subtotai	<b>\$375,200</b> \$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
PREPAR	RATION				
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
GRADIN	G				
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
SURFAC		TON	<b>*</b>	0.400	ФОБ <b>7</b> 00
11	CRUSHED SURFACING BASE COURSE	TON	\$30	2,190	\$65,700
HOT M	/ AODUALT			Subtotal	\$65,700
	( ASPHALT	TON	Φ0.5	4.500	¢440.500
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,500	\$142,500
FRANCE	N CONTROL AND BLANTING			Subtotal	\$142,500
	N CONTROL AND PLANTING	1.0	£40.000	1	¢40,000
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$40,000	1 Subtotal	\$40,000
TRAFFIC				Subtotal	\$40,000
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	ROUNDABOUT SPLITTER ISLAND NOSING CURB	EACH	\$800	4	\$3,200
19	ROUNDABOUT CEMENT CONCRETE CURB	L.F.	\$45	920	\$41,400
20	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	\$80	190	\$15,200
21	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	\$50	230	\$11,500
	TROUBLE CONTENT TO THE CONTENT OF TH		ΨΟΟ	Subtotal	\$207,500
OTHER	ITEMS				<del>+201,000</del>
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



# 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
PREPAR	RATION				
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
GRADIN					<b>A</b>
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,500	\$67,500
4	SELECT BORROW INCL. HAUL	TON	\$30	700	\$21,000
CTORM	OFWED			Subtotal	\$88,500
510KW	SEWER CATCH BASIN TYPE 1	EACH	\$1,700	11	\$18,700
6	CATCH BASIN TYPE 1 CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	4	\$12,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$5,000 \$50	1,600	\$80,000
8	SHORING OR EXTRA EXCAVATION CL. B	S.F.	\$30 \$3	7,500	\$22,500
9	WATER QUALITY	L.S.	\$30,000	7,500 1	\$30,000
10	INFILTRATION GALLERY	L.S.	\$100,000	1	\$100,000
			ψ.00,000	Subtotal	\$263,200
SURFAC	CING				
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,520	\$45,600
				Subtotal	\$45,600
HOT MIX	X ASPHALT				
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,290	\$122,550
				Subtotal	\$122,550
	N CONTROL AND PLANTING				
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$45,000	1	\$45,000
				Subtotal	\$45,000
TRAFFIC			<b>Ф7</b> Г	040	¢co.000
14 15	CEMENT CONC. TRAFFIC CURB AND GUTTER CEMENT CONC. TRAFFIC CURB	L.F. L.F.	\$75 \$45	812 1,680	\$60,900 \$75,600
16	PERMANENT STRIPING	L.F. L.S.	\$12,000	1,000	\$12,000
17	PERMANENT SIGNING	L.S.	\$12,000	1	\$12,000
18	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$200,000	1	\$200,000
	TROUBLE TERM CIVILLE TO WITH CONTINUE	2.0.	Ψ200,000	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 DESIGN ENGINEERING (45.00())				\$1,992,000
	DESIGN ENGINEERING (15.0%) CONSTRUCTION ENGINEERING (15.0%)				\$298,800 \$298,800
	TOTAL CONSTRUCTION COST				\$298,800 <b>\$2,589,600</b>
	RIGHT-OF-WAY ACQUISITION				\$30,000
	TOTAL PROJECT COST				\$2,619,600
	101/1E11(00E01 0001				Ψ±,010,000



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

ITEM#	DESCRIPTION	UNIT	<b>UNIT PRICE</b>	QTY	TOTAL
PREPAR	RATION				
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
GRADIN					•
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	1,100	\$49,500
4	SELECT BORROW INCL. HAUL	TON	\$30	500	\$15,000
CTORM	OFWED			Subtotal	\$64,500
STORM 5	CATCH BASIN TYPE 1	EACH	\$1,700	7	\$11,900
6	CATCH BASIN TYPE 1 CATCH BASIN TYPE 2 - 48" DIAM	EACH	\$3,000	2	\$6,000
7	SCH. A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$5,000 \$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
			ψ. 0,000	Subtotal	\$172,900
SURFAC	CING				·
11	CRUSHED SURFACING BASE COURSE	TON	\$30	1,180	\$35,400
				Subtotal	\$35,400
	( ASPHALT				•
12	HMA CL. 1/2 IN. PG 64-22	TON	\$95	1,010	\$95,950
FRACIO	N CONTROL AND DI ANTINO			Subtotal	\$95,950
	N CONTROL AND PLANTING	1.0	¢20,000	1	¢20,000
13	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$20,000	1 Subtotal	\$20,000 <b>\$20,000</b>
TRAFFIC				Subiolai	\$20,000
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
<b>OTHER</b>					
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 Subtotal	\$50,000 <b>\$297,850</b>
	SUBTOTAL			Subiolai	\$1,059,100
	CONTINGENCY (30%)				\$317,730
	SUBTOTAL				\$317,730 \$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
					+ ., ,



# Capitol Boulevard Corridor - Phase 1 Feasibility and Pre-Design Conceptual Estimate Proejct 10 - Neighborhood Calming

ITEM #	# DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL
<b>PREPA</b>	RATION				
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
GRADII					
3	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$45	300	\$13,500
4	SELECT BORROW INCL. HAUL	TON	\$30	200	\$6,000
				Subtotal	\$19,500
<b>SURFA</b>	CING				
5	CRUSHED SURFACING BASE COURSE	TON	\$30	100	\$3,000
				Subtotal	\$3,000
HOT MI	Subtotal   \$3,0				
6	HMA CL. 1/2 IN. PG 64-22	TON	\$95		\$5,700
				Subtotal	\$5,700
<b>EROSIO</b>	ON CONTROL AND PLANTING				
7	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$25,000	1	\$25,000
				Subtotal	\$25,000
TRAFFI					
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
<b>OTHER</b>					
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
<u> </u>	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
					-