

# Appendix B

## Construction Cost Estimates

# PRELIM CONSTRUCTION COST ESTIMATE



**Project Name:**  
Old Auburn Road Complete Streets - Phase 1

**Project No:**  
18-316

**Location**  
Along Old Auburn Road from west side of Tiara Way to Fair Oaks Boulevard

**Client Project No.**

**Client Name**  
City of Citrus Heights

**QTY. ORIGINATOR**  
B.Michel

**DATE**  
03/04/20

**QTY. CHECKER**

**DATE**

**PRICED BY**  
C. Allen

**DATE**  
02/25/20

Item No.	ITEM DESCRIPTION	Estimated Quantity	Unit	Unit Price (\$/Unit)	Amount (\$)
1	MOBILIZATION	1	LS	\$422,000.00	\$422,000.00
2	CONSTRUCTION STAKING	1	LS	\$15,000.00	\$15,000.00
3	TRAFFIC CONTROL SYSTEM	1	LS	\$200,000.00	\$200,000.00
4	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1	LS	\$40,000.00	\$40,000.00
5	CLEARING AND GRUBBING	1	LS	\$18,000.00	\$18,000.00
6	EXCAVATION AND GRADING	2,900	CY	\$60.00	\$174,000.00
7	REMOVE TREE	14	EA	\$1,300.00	\$18,200.00
8	REMOVE CONCRETE (CURB, GUTTER, SIDEWALK)	60,700	SF	\$5.00	\$303,500.00
9	LANDSCAPING	1	LS	\$520,000.00	\$520,000.00
10	SIGNAGE, MONUMENTS, GATEWAY	1	LS	\$375,000.00	\$375,000.00
11	SITE FURNISHINGS	1	LS	\$150,000.00	\$150,000.00
12	COLD PLANE ASPHALT CONCRETE	205,500	SF	\$0.50	\$102,750.00
13	AGGREGATE BASE CLASS 2	2,300	CY	\$80.00	\$184,000.00
14	HOT MIX ASPHALT (TYPE A)	3,110	TON	\$130.00	\$404,300.00
15	GEOTEXTILE PAVEMENT FABRIC	22,500	SF	\$2.50	\$56,250.00
16	MINOR CONCRETE (CURB AND GUTTER) - TYPE 2	7,300	LF	\$20.00	\$146,000.00
17	MINOR CONCRETE (CURB) - TYPE 4	13,300	LF	\$16.00	\$212,800.00
18	MINOR CONCRETE (SIDEWALK)	50,000	SF	\$9.00	\$450,000.00
19	DETECTABLE WARNING SURFACE	210	SF	\$45.00	\$9,450.00
20	DRAINAGE IMPROVEMENTS	1	LS	\$90,000.00	\$90,000.00
21	STAMPED CONCRETE (MEDIAN)	10,400	SF	\$25.00	\$260,000.00
22	6" THERMOPLASTIC TRAFFIC STRIPE	7,660	LF	\$1.50	\$11,490.00
23	8" THERMOPLASTIC TRAFFIC STRIPE	1,690	LF	\$4.00	\$6,760.00
24	CONFLICT AREA GREEN STRIPING	9,000	SF	\$10.00	\$90,000.00
25	THERMOPLASTIC PAVEMENT MARKING	4,600	SF	\$5.00	\$23,000.00
26	ROADSIDE SIGNS	1	LS	\$18,000.00	\$18,000.00
27	STREET LIGHTING	1	LS	\$192,000.00	\$192,000.00
28	STREET LIGHTING - PEDESTRIAN SCALE	1	LS	\$208,000.00	\$208,000.00
29	PEDESTRIAN HYBRID BEACON - Old Auburn & Tiara	1	LS	\$150,000.00	\$150,000.00
30	TRAFFIC SIGNAL MODIFICATION - Old Auburn & Sunrise	1	LS	\$70,000.00	\$70,000.00
31	TRAFFIC SIGNAL MODIFICATION - Old Auburn & Antelope	1	LS	\$350,000.00	\$350,000.00
32	TRAFFIC SIGNAL MODIFICATION - Old Auburn & Fair Oaks	1	LS	\$350,000.00	\$350,000.00
33	TRAFFIC SIGNAL INTERCONNECT	1	LS	\$76,000.00	\$76,000.00

<b>Subtotal =</b>		\$5,696,500.00
<b>Contingency @ 30 % =</b>		\$1,708,950.00
<b>Grand Total =</b>		\$7,405,450.00
<b>For Budget Purposes =</b>		<b>\$7,406,000.00</b>

BENNETT ENGINEERING SERVICES ASSUMES NO RESPONSIBILITY FOR DIFFERENCES BETWEEN THESE QUANTITIES AND FINAL PAY QUANTITIES.

# PRELIM CONSTRUCTION COST ESTIMATE



**Project Name:**  
Old Auburn Road Complete Streets - Phase 2

**Project No:**  
18-316

**Location**  
Along Old Auburn Road from Sylvan Road to west side of Tiara Way

**Client Project No.**

**Client Name**  
City of Citrus Heights

**QTY. ORIGINATOR**  
B.Michel

**DATE**  
03/04/20

**QTY. CHECKER**

**DATE**

**PRICED BY**  
C. Allen

**DATE**  
02/25/20

Item No.	ITEM DESCRIPTION	Estimated Quantity	Unit	Unit Price (\$/Unit)	Amount (\$)
1	MOBILIZATION	1	LS	\$473,100.00	\$473,100.00
2	CONSTRUCTION STAKING	1	LS	\$15,000.00	\$15,000.00
3	TRAFFIC CONTROL SYSTEM	1	LS	\$200,000.00	\$200,000.00
4	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1	LS	\$40,000.00	\$40,000.00
5	CLEARING AND GRUBBING	1	LS	\$18,000.00	\$18,000.00
6	EXCAVATION AND GRADING	4,900	CY	\$60.00	\$294,000.00
7	REMOVE TREE	86	EA	\$1,300.00	\$111,800.00
8	REMOVE CONCRETE (CURB, GUTTER, SIDEWALK)	46,700	SF	\$5.00	\$233,500.00
9	LANDSCAPING	1	LS	\$780,000.00	\$780,000.00
10	SIGNAGE, MONUMENTS, GATEWAY	1	LS	\$375,000.00	\$375,000.00
11	SITE FURNISHINGS	1	LS	\$150,000.00	\$150,000.00
12	COLD PLANE ASPHALT CONCRETE	245,000	SF	\$0.50	\$122,500.00
13	AGGREGATE BASE CLASS 2	4,200	CY	\$80.00	\$336,000.00
14	HOT MIX ASPHALT (TYPE A)	4,410	TON	\$130.00	\$573,300.00
15	GEOTEXTILE PAVEMENT FABRIC	22,500	SF	\$2.50	\$56,250.00
16	MINOR CONCRETE (CURB AND GUTTER) - TYPE 2	10,300	LF	\$20.00	\$206,000.00
17	MINOR CONCRETE (CURB) - TYPE 4	18,700	LF	\$16.00	\$299,200.00
18	MINOR CONCRETE (SIDEWALK)	73,000	SF	\$9.00	\$657,000.00
19	DETECTABLE WARNING SURFACE	150	SF	\$45.00	\$6,750.00
20	DRAINAGE IMPROVEMENTS	1	LS	\$210,000.00	\$210,000.00
21	6" THERMOPLASTIC TRAFFIC STRIPE	8,940	LF	\$1.50	\$13,410.00
22	8" THERMOPLASTIC TRAFFIC STRIPE	320	LF	\$4.00	\$1,280.00
23	CONFLICT AREA GREEN STRIPING	4,800	SF	\$10.00	\$48,000.00
24	THERMOPLASTIC PAVEMENT MARKING	4,100	SF	\$5.00	\$20,500.00
25	ROADSIDE SIGNS	1	LS	\$12,000.00	\$12,000.00
26	STREET LIGHTING	1	LS	\$288,000.00	\$288,000.00
27	STREET LIGHTING - PEDESTRIAN SCALE	1	LS	\$312,000.00	\$312,000.00
28	TRAFFIC SIGNAL MODIFICATION - Old Auburn & Sylvan	1	LS	\$70,000.00	\$70,000.00
29	TRAFFIC SIGNAL MODIFICATION - Old Auburn & Mariposa	1	LS	\$350,000.00	\$350,000.00
30	TRAFFIC SIGNAL INTERCONNECT	1	LS	\$114,000.00	\$114,000.00

	<b>Subtotal =</b>	\$6,386,590.00
	<b>Contingency @ 30 % =</b>	\$1,915,977.00
	<b>Grand Total =</b>	\$8,302,567.00
	<b>For Budget Purposes =</b>	<b>\$8,303,000.00</b>

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