

Attachment D – Planning-level Cost Estimates

COST ESTIMATE
 CLARKSTON WA, CIRCULATION STUDY
 BRIDGE ST. & 2ND ST.
 LONG TERM SOLUTION 1 - SLIP LANE DOUBLE EAST

PRELIMINARY DESIGN

Opinion of Probable Cost (Major Items)

Item Description	Approx. Quantity	Unit	Unit Price	Bid Price
Remove Sidewalk	520	SY	\$ 14.00	\$7,280
Remove Curb/Gutter	620	LF	\$ 5.00	\$3,100
Remove Asphalt	750	SY	\$ 3.00	\$2,250
Asphalt Section	475	SY	\$ 30.00	\$14,250
Signal Modifications	1	LS	\$ 200,000	\$200,000
Pedestrian Ramps	11	EA	\$ 1,600	\$17,600
Sidewalk	500	SY	\$ 45.00	\$22,500
Concrete Island Work	225	SY	\$ 25.00	\$5,625
Special Pavement Marking	650	SF	\$ 2.00	\$1,300
Pavement Markings	6,000	FT	\$ 0.15	\$900
Signs	10	EA	\$ 400	\$4,000
Curb and Gutter	700	FT	\$ 20.00	\$14,000
Traffic Control Maintenance	180	HR	\$ 35.00	\$6,300
Flaggers	80	HR	\$ 40.00	\$3,200
Obliterate Pavement Markings	5,000	LF	\$ 0.55	\$2,750
Storm Drain System	1	LS	\$ 10,000	\$10,000
Construction Survey Staking	1	LS	\$ 16,000	\$16,000
Traffic Drums	50	EA	\$ 20.00	\$1,000
Seal Coat	7,000	SY	\$ 2.00	\$14,000
Construction Signs	20	EA	\$ 64.00	\$1,280
Right-of-Way Purchase	2,200	SF	\$ 50.00	\$110,000
<i>SUBTOTAL (Rounded up to the nearest \$1,000)</i>				<i>\$458,000</i>
Mobilization	10%	LS	\$ 45,800	\$45,800
Contingency, CE & I	20%		\$ 100,760	\$100,760
<i>TOTAL (Rounded up to the nearest \$1,000)</i>				<i>\$605,000</i>

COST ESTIMATE
 CLARKSTON WA, CIRCULATION STUDY
 BRIDGE ST. & 2ND ST.
 LONG TERM SOLUTION 2 - ROUNDABOUT

PRELIMINARY DESIGN

Opinion of Probable Cost (Major Items)

Item Description	Approx. Quantity	Unit	Unit Price	Bid Price
Signal Pole Demolition	1	LS	\$ 20,000	\$20,000
Remove Sidewalk	350	SY	\$ 14.00	\$4,900
Remove Curb/Gutter	2,000	LF	\$ 5.00	\$10,000
Remove Asphalt	9,000	SY	\$ 3.00	\$27,000
Asphalt Section	7,578	SY	\$ 30.00	\$227,340
Stormwater Modifications	1	LS	\$ 25,000	\$25,000
Pedestrian Ramps	15	EA	\$ 1,600	\$24,000
Sidewalk	1,350	SY	\$ 45.00	\$60,750
Landscaping & Irrigation	6,500	SF	\$ 1.00	\$6,500
Concrete Island Work	650	SY	\$ 25.00	\$16,250
Curb & Gutter	3,500	LF	\$ 20.00	\$70,000
Brick Pavers	555	SY	\$ 80.00	\$44,400
Special Pavement Marking	200	SF	\$ 2.00	\$400
Pavement Markings	2,000	FT	\$ 0.15	\$300
Signs	25	EA	\$ 400	\$10,000
Construction Signs	40	EA	\$ 64.00	\$2,560
Traffic Drums	50	EA	\$ 20.00	\$1,000
Lighting	12	EA	\$ 2,500	\$30,000
Right-of-Way purchase	8,000	SF	\$ 50.00	\$400,000
Traffic Control Maintenance	240	HR	\$ 35.00	\$8,400
Flaggers	100	HR	\$ 40.00	\$4,000
Obliteration Pavement Markings	1,000	LF	\$ 0.55	\$550
Control Survey Staking	1	LS	\$ 30,000	\$30,000
Seal Coat	7,000	SY	\$ 2.00	\$14,000
SUBTOTAL (Rounded up to the nearest \$1,000)				\$1,013,000
Mobilization	10%	LS	\$ 101,300	\$101,300
Contingency - CE & I	20%		\$ 222,860	\$222,860
TOTAL (Rounded up to the nearest \$1,000)				\$1,338,000

COST ESTIMATE
 CLARKSTON WA, CIRCULATION STUDY
 WALMART/COSTCO & FAIR ST.
 SHORT TERM SOLUTION 1 - RAISED MEDIAN

PRELIMINARY DESIGN

Opinion of Probable Cost (Major Items)

Item Description	Approx. Quantity	Unit	Unit Price	Bid Price
Traffic Separator Curb	320	LF	\$ 20.00	\$6,400
Pedestrian Ramps	4	EA	\$ 1,600	\$6,400
Pavement Markings	1,000	LF	\$ 0.15	\$150
Signs	2	EA	\$ 500	\$1,000
Traffic Control Maintenance	20	HR	\$ 35.00	\$700
Flaggers	20	HR	\$ 40.00	\$800
Traffic Drums	15	EA	\$ 20.00	\$300
Construction Traffic Signs	8	EA	\$ 64.00	\$512
SUBTOTAL (Rounded up to the nearest \$1,000)				\$8,000
Mobilization	10%		\$ 800	\$800
Contingency - CE & I	20%		\$ 1,760	\$1,760
TOTAL (Rounded up to the nearest \$1,000)				\$11,000

COST ESTIMATE
 CLARKSTON WA, CIRCULATION STUDY
 BRIDGE ST. & 2ND ST.
 SHORT TERM SOLUTION 1 - DOUBLE EB THROUGH

PRELIMINARY DESIGN

Opinion of Probable Cost (Major Items)

Item Description	Approx. Quantity	Unit	Unit Price	Bid Price
Remove Sidewalk	195	SY	\$ 14.00	\$2,730
Remove Curb/Gutter	315	LF	\$ 5.00	\$1,575
Asphalt Section	335	SY	\$ 30.00	\$10,050
Signal Modifications	1	LS	\$ 35,000	\$35,000
Pedestrian Ramps	2	EA	\$ 1,600	\$3,200
Sidewalk	200	SY	\$ 45.00	\$9,000
Special Pavement Marking	200	SF	\$ 2.00	\$400
Pavement Markings	2,000	FT	\$ 0.15	\$300
Signs	5	EA	\$ 400	\$2,000
Construction Signs	10	EA	\$ 64.00	\$640
Right-of-Way Purchase	2,200	SF	\$ 50.00	\$110,000
Traffic Control Maintenance	60	HR	\$ 35.00	\$2,100
Flagging	32	HR	\$ 40.00	\$1,280
Obliteration of Pavement Markings	1,000	LF	\$ 0.55	\$550
Storm Drain Systems	1	LS	\$ 5,000	\$5,000
Survey Staking	1	LS	\$ 6,000	\$6,000
Traffic Drums	25	EA	\$ 20.00	\$500
Curb & Gutter	300	LF	\$ 20.00	\$6,000
SUBTOTAL (Rounded up to the nearest \$1,000)				\$194,000
Mobilization	10%		\$ 19,400	\$19,400
Contingency - CE & I	20%		\$ 42,680	\$42,680
TOTAL (Rounded up to the nearest \$1,000)				\$257,000

COST ESTIMATE
 CLARKSTON WA, CIRCULATION STUDY
 BRIDGE ST. & 2ND ST.
 SHORT TERM SOLUTION 2 - SLIP LANE

PRELIMINARY DESIGN

Opinion of Probable Cost (Major Items)

Item Description	Approx. Quantity	Unit	Unit Price	Bid Price
Remove Sidewalk	325	SY	\$ 14.00	\$4,550
Remove Curb/Gutter	305	LF	\$ 5.00	\$1,525
Remove Asphalt	750	SY	\$ 3.00	\$2,250
Asphalt Section	140	SY	\$ 30.00	\$4,200
Signal Modifications	1	LS	\$ 150,000	\$150,000
Pedestrian Ramps	9	EA	\$ 1,600	\$14,400
Sidewalk	300	SY	\$ 45.00	\$13,500
Concrete Island Work	125	SY	\$ 25.00	\$3,125
Special Pavement Marking	300	SF	\$ 2.00	\$600
Pavement Markings	4,000	FT	\$ 0.15	\$600
Signs	5	EA	\$ 400	\$2,000
Curb and Gutter	700	FT	\$ 20.00	\$14,000
Traffic Control Maintenance	120	HR	\$ 35.00	\$4,200
Flaggers	32	HR	\$ 40.00	\$1,280
Obliterate Pavement Markings	4,000	LF	\$ 0.55	\$2,200
Storm Drain System	1	LS	\$ 5,000	\$5,000
Construction Survey Staking	1	LS	\$ 10,000	\$10,000
Traffic Drums	25	EA	\$ 20.00	\$500
Seal Coat	7,000	SY	\$ 2.00	\$14,000
Construction Signs	20	EA	\$ 64.00	\$1,280
SUBTOTAL (Rounded up to the nearest \$1,000)				\$250,000
Mobilization	10%		\$ 25,000	\$25,000
Contingency - CE & I	20%		\$ 55,000	\$55,000
TOTAL (Rounded up to the nearest \$1,000)				\$330,000