Opinion of Probable Costs

Section Summary

Roadway	Cost per	· mile	
Major Arterial	\$ 1,350,000	per mile	
Minor Arterial (McDonald west of Invergordon)	\$ 800,000	per mile	
Minor Arterial (McDonald east of Invergordon)	\$ 650,000	per mile	
Minor Arterial (with Median)	\$ 1,400,000	per mile	
Minor Arterial (without Median)	\$ 1,200,000	per mile	
Collector	\$ 1,400,000	per mile	
Local Option A	\$ 600,000	per mile	
Local Option B	\$ -	per mile	
Wash Trail	\$ 550,000	per mile	
10' Wide Path	\$ 505,000	per mile	
Bike Lane	\$ 25,000	per mile	
Bike Lane with striped buffer	\$ 36,000	per mile	
Intersection Crossing Ped/Bike (striped only, ped/bike buttons, ADA ramps)	\$ 170,000	each	
Intersection Crossing Ped/Bike (w/ pavers, ped/bike buttons, ADA ramps)	\$ 282,000		
Intersection Crossing Ped/Bike (stamp color, ped/bike buttons, ADA ramps)	\$ 221,000	each	

Opinion of Probable Costs

Section Major Arterial

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	98,841.60	\$ 98,841.60
2	6' Sidewalk (6" concrete)	LF	5,280	\$	36.00	\$ 190,080.00
3	10' Shared Use Path (6" concrete))	LF	5,280	\$	60.00	\$ 316,800.00
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$	3.00	\$ 316,800.00
5	White Traffic Paint Stripe	LF		\$	0.50	\$ -
6	Bike Lane Marking Symbol	EA		\$	250.00	\$ =
A 41					Subtotal	\$ 922,521.60
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$ 184,504.32
	not include retaining wall or buffer wall costs.			Des	sign Fee (10%)	\$ 92,252.16
	not include additional ROW costs. ssumes existing lights and traffic signals remain in place.		Constru	ıctio	n Admin (14%)	\$ 129,153.02
	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ 1,328,431.10

Opinion of Probable Costs

Section Minor Arterial McDonald west

Item	Description	Unit	QTY.		Unit Cost	Extended Amount		
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	58,924.80	\$	58,924.80	
2	6' Sidewalk (6" concrete)	LF		\$	36.00	\$	-	
3	10' Shared Use Path (6" concrete))	LF	5,280	\$	60.00	\$	316,800.00	
4	Landscape, DG and Irrigation Restoration	SF	58,080	\$	3.00	\$	174,240.00	
5	White Traffic Paint Stripe	LF		\$	0.50	\$	-	
6	Bike Lane Marking Symbol	EA		\$	250.00	\$	-	
					Subtotal	\$	549,964.80	
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$	109,992.96	
•	not include retaining wall or buffer wall costs.			Des	ign Fee (10%)	\$	54,996.48	
	not include additional ROW costs.		Constru	uction	n Admin (14%)	\$	76,995,07	
	ssumes existing lights and traffic signals remain in place. not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$	791,949.31	

Opinion of Probable Costs

Section Minor Arterial McDonald east

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	46,718.40	\$ 46,718.40
2	6' Sidewalk (6" concrete) Assume adding only to south side	LF	5,280	\$	36.00	\$ 190,080.00
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$ =
4	Landscape, DG and Irrigation Restoration	SF	58,080	\$	3.00	\$ 174,240.00
5	White Traffic Paint Stripe	LF	30,000	\$	0.50	\$ 15,000.00
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$ 10,000.00
A					Subtotal	\$ 436,038.40
Assumpti 1. Cost p			Design	Conti	ngency (20%)	\$ 87,207.68
2. Does i	not include retaining wall or buffer wall costs.			Des	ign Fee (10%)	\$ 43,603.84
	 Does not include additional ROW costs. Cost assumes existing lights and traffic signals remain in place. 		Constru	uctior	n Admin (14%)	\$ 61,045.38
5. Does i	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ 627,895.30

Opinion of Probable Costs

Section Minor Arterial w median

Item	Description	Unit	QTY.	Unit Cost			Extended Amount	
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	101,841.60	\$	101,841.60	
2	6' Sidewalk (6" concrete)	LF	5,280	\$	36.00	\$	190,080.00	
3	10' Shared Use Path (6" concrete))	LF	5,280	\$	60.00	\$	316,800.00	
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$	3.00	\$	316,800.00	
5	White Traffic Paint Stripe	LF	30,000	\$	0.50	\$	15,000.00	
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$	10,000.00	
A					Subtotal	\$	950,521.60	
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$	190,104.32	
2. Does i	not include retaining wall or buffer wall costs.			Des	ign Fee (10%)	\$	95,052.16	
 Does not include additional ROW costs. Cost assumes existing lights and traffic signals remain in place. 			Constru	ıctior	n Admin (14%)	\$	133,073.02	
	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$	1,368,751.10	

Opinion of Probable Costs

Section Minor Arterial w-out median

Item	Description	Unit	QTY.	Unit Cost			Extended Amount	
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	86,128.80	\$	86,128.80	
2	6' Sidewalk (6" concrete)	LF	10,560	\$	36.00	\$	380,160.00	
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$	-	
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$	3.00	\$	316,800.00	
5	White Traffic Paint Stripe	LF	21,560	\$	0.50	\$	10,780.00	
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$	10,000.00	
					Subtotal	\$	803,868.80	
Assumpti			Design	Cont	ingency (20%)	\$	160,773.76	
•	not include retaining wall or buffer wall costs.			Des	sign Fee (10%)	\$	80,386.88	
	not include additional ROW costs. Issumes existing lights and traffic signals remain in place.		Constru	ıctior	n Admin (14%)	\$	112,541.63	
	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$	1,157,571.07	

Opinion of Probable Costs

section Collector

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	101,841.60	\$ 101,841.60
2	6' Sidewalk (6" concrete)	LF	5,280	\$	36.00	\$ 190,080.00
3	10' Shared Use Path (6" concrete))	LF	5,280	\$	60.00	\$ 316,800.00
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$	3.00	\$ 316,800.00
5	White Traffic Paint Stripe	LF	30,000	\$	0.50	\$ 15,000.00
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$ 10,000.00
					Subtotal	\$ 950,521.60
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$ 190,104.32
•	not include retaining wall or buffer wall costs.			Des	sign Fee (10%)	\$ 95,052.16
	not include additional ROW costs. ssumes existing lights and traffic signals remain in place.		Constru	ıctior	n Admin (14%)	\$ 133,073.02
Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.					TOTAL	\$ 1,368,751.10

Opinion of Probable Costs

Section Local Option A

Item	Description	Unit	QTY.		Unit Cost		Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	43,718.40	\$	43,718.40
2	6' Sidewalk (6" concrete)	LF	5,280	\$	36.00	\$	190,080.00
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$	-
4	Landscape, DG and Irrigation Restoration	SF	58,080	\$	3.00	\$	174,240.00
5	White Traffic Paint Stripe	LF		\$	0.50	\$	-
6	Bike Lane Marking Symbol	EA		\$	250.00	\$	-
					Subtotal	\$	408,038.40
Assumpti			Design	Cont	ingency (20%)	\$	81,607.68
	not include retaining wall or buffer wall costs.			Des	ign Fee (10%)	\$	40,803.84
	not include additional ROW costs.		Constru	ıctior	n Admin (14%)	\$	57,125,38
	issumes existing lights and traffic signals remain in place. not include existing pavement maintenance, mill/overlay, micro-seal, etc.		2011041				· · · · · · · · · · · · · · · · · · ·
5. Dues	not include existing pavernent maintenance, mill/overlay, micro-seal, etc.				TOTAL	Ф	587,575.30

Opinion of Probable Costs

Section Local Option B

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$	-	\$ -
2	6' Sidewalk (6" concrete)	LF		\$	36.00	\$ -
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF		\$	3.00	\$ -
5	White Traffic Paint Stripe	LF		\$	0.50	\$ -
6	Bike Lane Marking Symbol	EA		\$	250.00	\$ -
					Subtotal	\$ -
Assumpti 1. Cost p			Design (Cont	ingency (20%)	\$ -
•	not include retaining wall or buffer wall costs.			Des	ign Fee (10%)	\$ -
 Does not include additional ROW costs. Cost assumes existing lights and traffic signals remain in place. 			Construction Admin (14%)			\$ =
	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ -

Opinion of Probable Costs

Section Wash

Item	Description	Unit	QTY.		Unit Cost	Extended Amount	
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	40,350.00	\$ 40,350.00	
2	Landscape, DG and Irrigation Restoration	SF	60,000	\$	3.00	\$ 180,000.00	
3	Stabilized Decomposed Granite	SF	65,000	\$	1.25	\$ 81,250.00	
4	Site Furnishings (benches, trash receptacles, doggie litter stations)	LS	75,000	\$	1.00	\$ 75,000.00	
					Subtotal	\$ 376,600.00	
Assumpti 1 Cost p			Design	Conti	ngency (20%)	\$ 75,320.00	
•	not include retaining wall or buffer wall costs.			Desi	ign Fee (10%)	\$ 37,660.00	
 Does not include additional ROW costs. Cost assumes existing lights and traffic signals remain in place. 			Constru	uction	Admin (14%)	\$ 52,724.00	
	Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ 542,304.00	

Opinion of Probable Costs

Section 10' Wide Path

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$	41,817.60	\$ =
2	6' Sidewalk (6" concrete)	LF		\$	36.00	\$ =
3	10' Shared Use Path (6" concrete))	LF	5,280	\$	60.00	\$ 316,800.00
4	Landscape, DG and Irrigation Restoration	SF	10,560	\$	3.00	\$ 31,680.00
5	White Traffic Paint Stripe	LF		\$	0.50	\$ -
6	Bike Lane Marking Symbol	EA		\$	250.00	\$ =
A 41					Subtotal	\$ 348,480.00
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$ 69,696.00
•	not include retaining wall or buffer wall costs.			Des	sign Fee (10%)	\$ 34,848.00
	not include additional ROW costs. Issumes existing lights and traffic signals remain in place.		Constru	uctio	n Admin (14%)	\$ 48,787.20
5. Does i	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ 501,811.20

Opinion of Probable Costs

section Bike Lane

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$	1,833.60	\$ -
2	6' Sidewalk (6" concrete)	LF		\$	36.00	\$ -
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF		\$	3.00	\$ -
5	White Traffic Paint Stripe	LF	10,560	\$	0.50	\$ 5,280.00
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$ 10,000.00
					Subtotal	\$ 15,280.00
Assumpti 1. Cost p			Design	Cont	ingency (20%)	\$ 3,056.00
•	not include retaining wall or buffer wall costs.			Des	sign Fee (10%)	\$ 1,528.00
	not include additional ROW costs. Issumes existing lights and traffic signals remain in place.		Constru	uctio	n Admin (14%)	\$ 2,139.20
	not include existing pavement maintenance, mill/overlay, micro-seal, etc.				TOTAL	\$ 22,003.20

Opinion of Probable Costs

Section Bike Lane w stripe buffer

Item	Description	Unit	QTY.		Unit Cost		Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$	3,000.00	\$	=
2	6' Sidewalk (6" concrete)	LF		\$	36.00	\$	=
3	10' Shared Use Path (6" concrete))	LF		\$	60.00	\$	-
4	Landscape, DG and Irrigation Restoration	SF		\$	3.00	\$	-
5	White Traffic Paint Stripe	LF	30,000	\$	0.50	\$	15,000.00
6	Bike Lane Marking Symbol	EA	40	\$	250.00	\$	10,000.00
A 4					Subtotal	\$	25,000.00
Assumptions: 1. Cost per mile. 2. Does not include retaining wall or buffer wall costs. 3. Does not include additional ROW costs. 4. Cost assumes existing lights and traffic signals remain in place. 5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.			Design Contingency (20%)			\$	5,000.00
			Design Fee (10%)				2,500.00
			Construction Admin (14%)			\$	3,500.00
					TOTAL	\$	36,000.00

Opinion of Probable Costs

Section Crossing Striped

Item	Description	Unit	QTY.		Unit Cost		Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	12,567.60	\$	12,567.60
2	Saw Cut and Remove Asphalt Paving	SF	600	\$	0.55	\$	330.00
3	Asphalt Paving	SF	600	\$	3.10	\$	1,860.00
4	Remove Curb and Gutter	LF	320	\$	4.00	\$	1,280.00
5	Curb/Gutter	LF	320	\$	18.00	\$	5,760.00
6	Remove Sidewalk	SF	2,000	\$	3.00	\$	6,000.00
7	6' Sidewalk (6" concrete)	LF	1,200	\$	36.00	\$	43,200.00
8	Remove Sidewalk Ramp	EA	4	\$	1,000.00	\$	4,000.00
9	Sidewalk ADA Ramp	EA	4	\$	2,500.00	\$	10,000.00
10	Landscape, DG and Irrigation Restoration	SF	3,200	\$	3.00	\$	9,600.00
11	White Traffic Paint Stripe	LF	1,800	\$	0.50	\$	900.00
12	Bike Lane Marking Symbol	EA	4	\$	250.00	\$	1,000.00
13	Crossing with Concrete Unit Pavers	SF		\$	16.00	\$	-
14	Ribbon Curb at Pavers	LF		\$	16.00	\$	-
15	Stamped and Colored Asphalt Coating	SF		\$	10.00	\$	-
16	Ped Push Button on Pole	EA	4	\$	1,800.00	\$	7,200.00
17	Bike Push Button on Pole	EA	4	\$	1,800.00	\$	7,200.00
18	Ped Signal	EA	4	\$	1,600.00	\$	6,400.00
Assumptions: 1. Cost per mile. 2. Does not include retaining wall or buffer wall costs. 3. Does not include additional ROW costs. 4. Cost assumes existing lights and traffic signals remain in place. 5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.					Subtotal	\$	117,297.60
			Design	Design Contingency (20%)			23,459.52
				Design Fee (10%)		\$	11,729.76
			Constr	uctio	n Admin (14%)	\$	16,421.66
					TOTAL	\$	168,908.54

Opinion of Probable Costs

Section Crossing w Pavers

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	20,943.60	\$ 20,943.60
2	Saw Cut and Remove Asphalt Paving	SF	600	\$	0.55	\$ 330.00
3	Asphalt Paving	SF	600	\$	3.10	\$ 1,860.00
4	Remove Curb and Gutter	LF	320	\$	4.00	\$ 1,280.00
5	Curb/Gutter	LF	320	\$	18.00	\$ 5,760.00
6	Remove Sidewalk	SF	2,000	\$	3.00	\$ 6,000.00
7	6' Sidewalk (6" concrete)	LF	1,200	\$	36.00	\$ 43,200.00
8	Remove Sidewalk Ramp	EA	4	\$	1,000.00	\$ 4,000.00
9	Sidewalk ADA Ramp	EA	4	\$	2,500.00	\$ 10,000.00
10	Landscape, DG and Irrigation Restoration	SF	3,200	\$	3.00	\$ 9,600.00
11	White Traffic Paint Stripe	LF	600	\$	0.50	\$ 300.00
12	Bike Lane Marking Symbol	EA	4	\$	250.00	\$ 1,000.00
13	Crossing with Concrete Unit Pavers	SF	3,200	\$	16.00	\$ 51,200.00
14	Ribbon Curb at Pavers	LF	1,200	\$	16.00	\$ 19,200.00
15	Stamped and Colored Asphalt Coating	SF		\$	10.00	\$ -
16	Ped Push Button on Pole	EA	4	\$	1,800.00	\$ 7,200.00
17	Bike Push Button on Pole	EA	4	\$	1,800.00	\$ 7,200.00
18	Ped Signal	EA	4	\$	1,600.00	\$ 6,400.00
Assumptions: 1. Cost per mile. 2. Does not include retaining wall or buffer wall costs. 3. Does not include additional ROW costs. 4. Cost assumes existing lights and traffic signals remain in place. 5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.					Subtotal	\$ 195,473.60
			Design Contingency (20%)			39,094.72
			Design Fee (10%)		19,547.36	
			Constr	uctio	n Admin (14%)	27,366.30
					TOTAL	\$ 281,481.98

Opinion of Probable Costs

Section Crossing w Stamp Color Asphalt

Item	Description	Unit	QTY.		Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$	16,407.60	\$ 16,407.60
2	Saw Cut and Remove Asphalt Paving	SF	600	\$	0.55	\$ 330.00
3	Asphalt Paving	SF	600	\$	3.10	\$ 1,860.00
4	Remove Curb and Gutter	LF	320	\$	4.00	\$ 1,280.00
5	Curb/Gutter	LF	320	\$	18.00	\$ 5,760.00
6	Remove Sidewalk	SF	2,000	\$	3.00	\$ 6,000.00
7	6' Sidewalk (6" concrete)	LF	1,200	\$	36.00	\$ 43,200.00
8	Remove Sidewalk Ramp	EA	4	\$	1,000.00	\$ 4,000.00
9	Sidewalk ADA Ramp	EA	4	\$	2,500.00	\$ 10,000.00
10	Landscape, DG and Irrigation Restoration	SF	3,200	\$	3.00	\$ 9,600.00
11	White Traffic Paint Stripe	LF	1,800	\$	0.50	\$ 900.00
12	Bike Lane Marking Symbol	EA	4	\$	250.00	\$ 1,000.00
13	Crossing with Concrete Unit Pavers	SF		\$	16.00	\$ =
14	Ribbon Curb at Pavers	LF		\$	16.00	\$ -
15	Stamped and Colored Asphalt Coating	SF	3,200	\$	10.00	\$ 32,000.00
16	Ped Push Button on Pole	EA	4	\$	1,800.00	\$ 7,200.00
17	Bike Push Button on Pole	EA	4	\$	1,800.00	\$ 7,200.00
18	Ped Signal	EA	4	\$	1,600.00	\$ 6,400.00
Assumptions: 1. Cost per mile. 2. Does not include retaining wall or buffer wall costs. 3. Does not include additional ROW costs. 4. Cost assumes existing lights and traffic signals remain in place. 5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.					Subtotal	\$ 153,137.60
			Design Contingency (20%)			\$ 30,627.52
			Design Fee (10%)		\$ 15,313.76	
			Constr	uctio	n Admin (14%)	\$ 21,439.26
					TOTAL	\$ 220,518.14