

Bike and Pedestrian Master Plan

Opinion of Probable Costs

Section **McDonald Opt 1 - Sharrow**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 600.00	\$ 600.00
2	6' Sidewalk (6" concrete) <i>Assume adding only to south side along school frontage</i>	LF	0	\$ 36.00	\$ -
3	10' Shared Use Path (6" concrete))	LF		\$ 60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF	0	\$ 3.00	\$ -
5	White Traffic Paint Stripe	LF	0	\$ 0.50	\$ -
6	Bike Lane Marking Symbol	EA	20	\$ 250.00	\$ 5,000.00
7	Enhanced Crosswalk	EA	0	\$ 159,624.00	\$ -

Subtotal \$ 5,600.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$1,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 1,100.00

Design Fee (10%) \$ 600.00

Construction Admin (14%) \$ 800.00

TOTAL \$ 8,000.00

Bike and Pedestrian Master Plan

Opinion of Probable Costs

Section **McDonald Opt 2 - w.in Curbs**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 5,880.00	\$ 6,000.00
2	6' Sidewalk (6" concrete) <i>Assume adding only to south side along school frontage</i>	LF	500	\$ 36.00	\$ 18,000.00
3	10' Shared Use Path (6" concrete))	LF	0	\$ 60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF	5,000	\$ 3.00	\$ 15,000.00
5	White Traffic Paint Stripe	LF	12,000	\$ 0.50	\$ 6,000.00
6	Bike Lane Marking Symbol	EA	40	\$ 250.00	\$ 10,000.00
7	Minor demolition/driveway work	LS	1	\$ 4,000.00	\$ 4,000.00
8	Enhanced Crosswalk with Median	EA	1	\$ 159,624.00	\$ 160,000.00
Subtotal					\$ 219,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$1,000. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 44,000.00

Design Fee (10%) \$ 22,000.00

Construction Admin (14%) \$ 31,000.00

TOTAL \$ 320,000.00

Bike and Pedestrian Master Plan

Opinion of Probable Costs

Section **McDonald Opt 3 - Full**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 56,430.00	\$ 56,000.00
2	6' Sidewalk (6" concrete) <i>Assume adding only to south side along school frontage</i>	LF	7,920	\$ 36.00	\$ 285,000.00
3	10' Shared Use Path (6" concrete))	LF	0	\$ 60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$ 3.00	\$ 317,000.00
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
7	Enhanced Crosswalk with Median	EA	1	\$ 159,624.00	\$ 160,000.00
8	Right-of-Way Acquisition	SF	37,740	\$ 20.00	\$ 755,000.00
9	Rework of Existing Medians	EA	7	\$ 55,000.00	\$ 385,000.00
10	Remove curbs, asphalt, medians, and related hardscape	SF	138,000	\$ 3.00	\$ 414,000.00
Subtotal					\$ 2,397,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$1,000. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 479,000.00

Design Fee (10%) \$ 240,000.00

Construction Admin (14%) \$ 336,000.00

TOTAL \$ 3,450,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Mockingbird 1 - Modified Full**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 32,850.00	\$ 30,000.00
2	6' Sidewalk (6" concrete)	LF	2,640	\$ 36.00	\$ 100,000.00
3	10' Shared Use Path (6" concrete))	LF	0	\$ 60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF	52,800	\$ 3.00	\$ 160,000.00
5	White Traffic Paint Stripe	LF	15,000	\$ 0.50	\$ 7,500.00
6	Landscaped Medians	EA	5	\$ 55,000.00	\$ 275,000.00
7	Bike Lane Marking Symbol	EA	20	\$ 250.00	\$ 5,000.00

Subtotal \$ 577,500.00**Assumptions:**

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 120,000.00

Design Fee (10%) \$ 60,000.00

Construction Admin (14%) \$ 80,000.00

TOTAL \$ 800,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Mockingbird 2 - Full**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 66,690.00	\$ 70,000.00
2	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
3	10' Shared Use Path (6" concrete))	LF	0	\$ 60.00	\$ -
4	Landscape, DG and Irrigation Restoration	SF	52,800	\$ 3.00	\$ 160,000.00
5	White Traffic Paint Stripe	LF	15,000	\$ 0.50	\$ 7,500.00
6	Bike Lane Marking Symbol	EA	20	\$ 250.00	\$ 5,000.00
7	Right-of-Way Acquisition	SF	12,500	\$ 20.00	\$ 250,000.00
8	Landscaped Medians	EA	5	\$ 55,000.00	\$ 275,000.00
9	Remove curbs, asphalt, medians, and related hardscape	SF	74,500	\$ 3.00	\$ 224,000.00
Subtotal					\$ 1,181,500.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 240,000.00
Design Fee (10%)	\$ 120,000.00
Construction Admin (14%)	\$ 170,000.00

TOTAL	\$ 1,700,000.00
--------------	------------------------

TEMPLATE OF PROBABLE COSTS PER MILE

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section

Summary

Roadway	Cost per mile	
Major Arterial	\$	1,300,000 per mile
Minor Arterial (with Median)	\$	1,400,000 per mile
Collector	\$	1,200,000 per mile
Local	\$	600,000 per mile
Wash Trail	\$	600,000 per mile
10' Wide Path	\$	500,000 per mile
Bike Lane	\$	20,000 per mile
Bike Lane with striped buffer	\$	40,000 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)	\$	280,000 each
Intersection Crossing Ped/Bike (stamp color, ped/bike buttons, ADA ramps)	\$	220,000 each

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Major Arterial**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 99,600.00	\$ 100,000.00
2	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
3	10' Shared Use Path (6" concrete))	LF	5,280	\$ 60.00	\$ 320,000.00
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$ 3.00	\$ 320,000.00
5	White Traffic Paint Stripe	LF		\$ 0.50	\$ -
6	Bike Lane Marking Symbol	EA		\$ 250.00	\$ -
Subtotal					\$ 930,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 190,000.00
Design Fee (10%)	\$ 90,000.00
Construction Admin (14%)	\$ 130,000.00

TOTAL \$ 1,300,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Minor Arterial**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 102,600.00	\$ 100,000.00
2	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
3	10' Shared Use Path (6" concrete))	LF	5,280	\$ 60.00	\$ 320,000.00
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$ 3.00	\$ 320,000.00
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					\$ 955,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 190,000.00
Design Fee (10%)	\$ 100,000.00
Construction Admin (14%)	\$ 130,000.00

TOTAL	\$ 1,400,000.00
--------------	------------------------

Bike and Pedestrian Master Plan

Section

Collector

Template of Probable Costs Per Mile

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 90,000.00	\$ 90,000.00
2	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
3	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
4	Landscape, DG and Irrigation Restoration	SF	105,600	\$ 3.00	\$ 320,000.00
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					\$ 815,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 160,000.00

Design Fee (10%) \$ 80,000.00

Construction Admin (14%) \$ 110,000.00

TOTAL \$ 1,200,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 40,000.00	\$ 40,000.00
2	6' Sidewalk (6" concrete)	LF	5,280	\$ 36.00	\$ 190,000.00
3	Landscape, DG and Irrigation Restoration	SF	58,080	\$ 3.00	\$ 170,000.00
4	White Traffic Paint Stripe	LF		\$ 0.50	-
5	Bike Lane Marking Symbol	EA		\$ 250.00	-
Subtotal					\$ 400,000.00
Assumptions:					
1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000					Project Contingency (20%) \$ 80,000.00
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high					Design Fee (10%) \$ 40,000.00
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed					Construction Admin (14%) \$ 60,000.00
4. Cost assumes existing lights and traffic signals remain in place.					
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.					
TOTAL					\$ 600,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section

Wash

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 40,000.00	\$ 40,000.00
2	Landscape, DG and Irrigation Restoration	SF	60,000	\$ 3.00	\$ 180,000.00
3	Stabilized Decomposed Granite	SF	65,000	\$ 1.25	\$ 80,000.00
4	Site Furnishings (benches, trash receptacles, doggie litter stations)	LS	75,000	\$ 1.00	\$ 80,000.00
Subtotal					\$ 380,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 80,000.00

Design Fee (10%) \$ 40,000.00

Construction Admin (14%) \$ 50,000.00

TOTAL \$ 600,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **10' Wide Path**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$ 40,000.00	\$ -
2	6' Sidewalk (6" concrete)	LF		\$ 36.00	\$ -
3	10' Shared Use Path (6" concrete))	LF	5,280	\$ 60.00	\$ 320,000.00
4	Landscape, DG and Irrigation Restoration	SF	10,560	\$ 3.00	\$ 30,000.00
5	White Traffic Paint Stripe	LF		\$ 0.50	\$ -
6	Bike Lane Marking Symbol	EA		\$ 250.00	\$ -
Subtotal					\$ 350,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$10,000. Total rounded to nearest \$100,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 70,000.00
Design Fee (10%)	\$ 40,000.00
Construction Admin (14%)	\$ 50,000.00

TOTAL	\$ 500,000.00
--------------	----------------------

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS		\$ 1,800.00	\$ -
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	10,560	\$ 0.50	\$ 5,300.00
6	Bike Lane Marking Symbol	EA	40	\$ 250.00	\$ 10,000.00
Subtotal					\$ 15,300.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 3,100.00
Design Fee (10%)	\$ 1,500.00
Construction Admin (14%)	\$ 2,100.00

TOTAL	\$ 20,000.00
--------------	---------------------

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

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
Subtotal					\$ 25,000.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 5,000.00

Design Fee (10%) \$ 2,500.00

Construction Admin (14%) \$ 3,500.00

TOTAL \$ 40,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Crossing Striped**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 12,600.00	\$ 12,600.00
2	Saw Cut and Remove Asphalt Paving	SF	600	\$ 0.55	\$ 300.00
3	Asphalt Paving	SF	600	\$ 3.10	\$ 1,900.00
4	Remove Curb and Gutter	LF	320	\$ 4.00	\$ 1,300.00
5	Curb/Gutter	LF	320	\$ 18.00	\$ 5,800.00
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
Subtotal					\$ 117,400.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 23,500.00

Design Fee (10%) \$ 11,700.00

Construction Admin (14%) \$ 16,400.00

TOTAL \$ 170,000.00

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

Section **Crossing w Pavers**

Item	Description	Unit	QTY.	Unit Cost	Extended Amount
1	General Conditions (Mobilization, Traffic Control, SWPP, Staking) (12%)	LS	1	\$ 21,000.00	\$ 21,000.00
2	Saw Cut and Remove Asphalt Paving	SF	600	\$ 0.55	\$ 300.00
3	Asphalt Paving	SF	600	\$ 3.10	\$ 1,900.00
4	Remove Curb and Gutter	LF	320	\$ 4.00	\$ 1,300.00
5	Curb/Gutter	LF	320	\$ 18.00	\$ 5,800.00
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
Subtotal					\$ 195,600.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%)	\$ 39,100.00
Design Fee (10%)	\$ 19,600.00
Construction Admin (14%)	\$ 27,400.00

TOTAL	\$ 280,000.00
--------------	----------------------

Bike and Pedestrian Master Plan

Template of Probable Costs Per Mile

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	\$ 16,400.00	\$ 16,400.00
2	Saw Cut and Remove Asphalt Paving	SF	600	\$ 0.55	\$ 300.00
3	Asphalt Paving	SF	600	\$ 3.10	\$ 1,900.00
4	Remove Curb and Gutter	LF	320	\$ 4.00	\$ 1,300.00
5	Curb/Gutter	LF	320	\$ 18.00	\$ 5,800.00
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
Subtotal					\$ 153,200.00

Assumptions:

1. Cost per mile. Costs rounded to nearest \$100. Total rounded to nearest \$10,000
2. Does not include retaining wall or buffer wall costs. \$120 LF assumed at 3' high
3. Does not include additional ROW costs. ROW acquisition cost varies. \$20 sf assumed
4. Cost assumes existing lights and traffic signals remain in place.
5. Does not include existing pavement maintenance, mill/overlay, micro-seal, etc.

Project Contingency (20%) \$ 30,600.00

Design Fee (10%) \$ 15,300.00

Construction Admin (14%) \$ 21,400.00

TOTAL \$ 220,000.00