

PROJECTS AND COST ESTIMATES

PROJECTS BY PEDESTRIAN TIER

PROJECTS BY BICYCLE TIER

DETAILED COST ESTIMATES

APPENDIX C

PROJECTS BY PEDESTRIAN TIER

The following table represents all of the projects proposed by the Athens in Motion Plan. Projects are listed by Pedestrian tier, a group scoring based upon the pedestrian prioritization score described in the Implementation chapter of this plan. The Low Cost is estimated for sidewalk alone while the High Cost is estimated based upon the addition of curb and gutter.

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
1	6	Barber St	N Chase St	Boulevard	\$589,787	\$735,881		1	1
1	7	Willow St/ Cleveland Ave	Barber St	Elizabeth St	\$215,761	\$269,206		0.6	0.6
1	12	Oneta St	Normaltown Connector Greenway	Barber St	\$275,281	\$343,470		0.5	0.5
1	25	Normal Ave/ Belvoir Hts	Oglethorpe Ave	Brooklyn Creek Middle Greenway	\$291,054	\$363,150		0.5	0.5
1	33	Old Jefferson Rd	Whitehead Rd	Buena Vista Ave/ Nantahala Ext	\$1,387,880	\$1,731,667		2.4	2.4
1	38	Jefferson River Rd	Old Jefferson Rd/Greenway	Vincent Dr	\$455,528	\$568,366		0.8	0.8
1	39	Vincent Dr	Jefferson River Rd	Newton Bridge Rd	\$826,397	\$1,031,101		1.4	1.4
1	41	Newton Bridge Rd	Vincent Dr	N Chase St	\$825,485	\$1,029,962		1.4	1.4
1	43	Old Hull Rd	North Ave	Athena Dr	\$443,983	\$553,961		1.3	0.8
1	44	Old Hull Rd	Athena Dr	Hull Rd	\$659,747	\$823,171		1.1	1.1
1	45	Athena Dr	Collins Industrial Blvd	Olympic Dr	\$730,762	\$911,776		1.3	1.3
1	51	Vine St	Oakridge Ave	Nellie B Ave	\$296,348	\$369,755		0.6	0.5
1	53	N Peter St/ Olympic Dr	Vine St	Indian Hills Rd	\$552,503	\$689,362		1	1

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
1	57	Athens Rd	N Main St	N Church St	\$53,077	\$66,225	Winterville	0.3	0.1
1	58	N Church St	Athens Rd	Marigold Ln	\$57,919	\$72,266	Winterville	0.5	0.1
1	59	Marigold Ln/ Parkview Dr	N Church St	Marigold Ln/ Parkview Dr	\$107,013	\$133,520	Winterville	0.2	0.2
1	60	Cherokee Rd	Hickory Dr	Athens Rd	\$121,953	\$152,162	Winterville	1	0.2
1	62	Cherokee Rd	Beaverdam Rd	Lexington Rd	\$313,444	\$391,086		0.9	0.5
1	63	Lexington Rd	Barnett Shoals Rd	Gaines School Rd/ Cherokee Rd	\$1,003,112	\$1,251,589	Lexington Road	1.9	1.7
1	64	Winterville Rd	Winterville Rd	Lexington Rd	\$95,537	\$119,202		0.2	0.2
1	72	Lexington Rd	Whit Davis Rd	Morton Rd/ Robert Hardeman Rd	\$837,106	\$1,044,463	Lexington Road	1.9	1.8
1	75	Robert Hardeman Rd	S Main St	Martin Meadow Way	\$544,741	\$679,677	Winterville	0.9	0.9
1	81	Macon Hwy/ Timothy Rd	Timothy Rd	S Milledge Ave	\$890,024	\$1,110,489		1.7	1.5
1	89	St James/ Devonshire/ Somerset	Timothy Rd	Brooklyn Creek South Greenway	\$56,493	\$70,486		0.1	0.1
1	94	W Hancock Ave	Glenhaven Ave	N Milledge Rd	\$346,464	\$432,286	West Broad Street	0.6	0.6
1	96	North Ave/E Dougherty St	College Ave	North Oconee River Greenway	\$129,384	\$161,434		0.4	0.2
1	97	E Campus Rd	Williams St Greenway	E Green St	\$447,829	\$558,760		0.8	0.8
1	106	Riverbend Rd	S Milledge Ave	College Station Rd	\$797,397	\$994,917		1.4	1.4

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
1	108	Danielsville Rd/North Ave	Old Hull Rd	Freeman Dr	\$378,581	\$472,358		0.7	0.7
1	109	Henderson Ext/ Pedestrian Bridge	Evans St/ Hancock Ave/ Waddell Ext	Waddell/ Clarke Central/ Dearing	\$271,288	\$338,488	West Broad Street	0.5	0.5
1	110	Waddell/ Clarke Central/ Dearing	Henderson Ext/ Pedestrian Bridge	N Milledge Rd	\$111,943	\$139,672	West Broad Street	0.5	0.2
1	111	Evans St/ Hancock Av/ Waddell Ext	Rose St/ Magnolia St	Henderson Ext/ Pedestrian Bridge	\$111,488	\$139,104	West Broad Street	0.2	0.2
1	112	Rose St/ Magnolia St	Baxter St	Evans St/ Hancock Ave/ Waddell Ext	\$74,759	\$93,277	West Broad Street	0.3	0.3
1	114	Atlanta Hwy/W Broad St	Mitchell Bridge Rd	Hawthorne Ave/Alps Rd	\$1,333,888	\$1,664,301	Atlanta Highway	2.7	2.7
1	117	King Ave	Sunset Dr	Old West Broad St	\$56,493	\$70,486		0.1	0.1
1	122	Pulaski St	Prince Ave	Cleveland Ave	\$304,655	\$380,120		0.5	0.5
1	125	Oak St	Poplar St	Grove St	\$19,620	\$24,480		0.1	0.1
1	126	King Ave	Hill St	Mathews Ave	\$103,659	\$129,336		0.2	0.2
2	11	N Chase St	Prince Ave	Newton Bridge Rd/ Barber St	\$283,761	\$354,051		1.1	0.7
2	13	Normaltown Connector Greenway	Old Jefferson Rd/Greenway (33)	Oneta St	\$191,282	\$238,664		0.3	0.3
2	14	Buena Vista Ave/ Nantahala Ext	Old Jefferson Rd/Greenway	Boulevard	\$184,590	\$230,314		0.3	0.3

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
2	28	Mitchell Bridge Rd	Mitchell Bridge Rd	W Broad St/ Atlanta Hwy	\$722,982	\$902,070		1.6	1.3
2	31	Tallassee Rd	Turkey Creek Rd	Mitchell Bridge Rd	\$884,776	\$1,103,941		1.9	1.5
2	32	Tallassee Rd Greenway South	Three Oaks Dr	Turkey Creek Rd	\$1,479,686	\$1,846,214		2.6	2.6
2	34	Old Jefferson Rd	Archer Grove Rd	Whitehead Rd	\$972,923	\$1,213,922		1.7	1.7
2	40	Newton Bridge Rd	Vincent Dr	Saxon Woods Dr	\$578,673	\$722,014		1	1
2	46	Collins Industrial Blvd	N Ave Bldg/ Danielsville Rd	Athena Dr	\$573,193	\$715,177		1	1
2	48	Monty Dr/ Kenwood Dr	Mercer Ct	Freeman Dr	\$282,001	\$351,855		0.5	0.5
2	49	Cabernet/ Nowhere/ Pine/ Sayemore	Freeman Dr	Danielsville Rd	\$461,900	\$576,315		1.1	0.8
2	50	Danielsville Rd	Cabernet/ Pine/ Nowhere/ Sayemore	Forest Acres Cir	\$614,778	\$767,063		1.4	1.1
2	52	Nellie B Ave	Vine St	Spring Valley Rd	\$340,918	\$425,365		0.7	0.6
2	54	Olympic Dr	Indian Hills Rd	Athena Dr	\$634,862	\$792,121		1.1	1.1
2	55	Athena Dr	Olympic Dr	Spring Valley Rd	\$576,091	\$718,792		1	1
2	56	Old Elberton Rd/ Spring Valley Rd	Taylor Ln	Chandler Ray Rd	\$1,620,748	\$2,022,218		2.8	2.8
2	68	Barnett Shoals Rd	Red Fox Run	Whit Davis Rd	\$633,428	\$790,332		1.1	1.1

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
2	69	Old Lexington Rd	Barnett Shoals Rd	Whit Davis Rd	\$814,360	\$1,016,082		1.5	1.4
2	76	Robert Hardeman Rd	Martin Meadow Way	Lexington Rd	\$1,141,117	\$1,423,780		2	2
2	77	Morton Rd	Lexington Rd	Old Lexington Rd	\$949,324	\$1,184,477		1.6	1.6
2	78	Morton Rd	Old Lexington Rd	Belmont Rd	\$1,327,903	\$1,656,834		2.3	2.3
2	79	Barnett Shoals Rd	Whit Davis Rd	Bob Godfrey Rd	\$1,458,209	\$1,819,416		2.5	2.5
2	80	Belmont Rd	Barnett Shoals Rd	Morton Rd	\$785,187	\$979,683		1.4	1.4
2	82	Timothy Rd	Epps Bridge Pkwy	Timothy Rd/ Macon Hwy	\$987,637	\$1,232,281		2.4	1.7
2	84	Atlanta Hwy	Commerce Blvd	Mitchell Bridge Rd	\$737,778	\$920,530	Atlanta Highway	1.3	1.3
2	85	Commerce Blvd	Jennings Mill Pkwy	Atlanta Hwy	\$171,616	\$214,126		0.3	0.3
2	86	Marilyn Farmer Way/ Cleveland Rd	Atlanta Hwy	Chesterfield Rd/ W Huntington Rd	\$625,843	\$780,868		1.1	1.1
2	87	Cleveland Rd	Big Bear Rd	Chesterfield Rd/ W Huntington Rd	\$1,313,930	\$1,639,399		2.3	2.3
2	88	Ruth St	Dr. MLK Jr. Pkwy	North Ave	\$197,648	\$246,607		0.8	0.3
2	90	Oglethorpe Ave	Hawthorne Ave	Prince Ave	\$260,841	\$325,453		0.7	0.5
2	98	Williams St/ Baldwin St	E Campus Rd	Oconee St	\$88,612	\$110,562		0.2	0.2
2	118	MLK Parkway	Strickland Ave	Ruth Dr	\$32,700	\$40,800		0.1	0.1

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
2	119	Bray St	Fourth St	North Ave	\$72,267	\$90,168		0.1	0.1
2	120	University Dr	Pincrest Dr	Scott Dr	\$124,260	\$155,040		0.2	0.2
2	121	Hawthorne Ave	Hawthorne Park	Driveway	\$15,805	\$19,720		0.1	0.1
2	123	Agriculture Dr	University Dr	Southview Dr	\$65,400	\$81,600		0.1	0.1
2	124	Moore's Grove Rd	Gordon Cir	Oakmont Ct	\$223,668	\$279,072		0.4	0.4
2	127	Fourth St	Bray St	Strickland Ave	\$33,136	\$41,344		0.1	0.1
3	2	E/W Hancock Ave	N Milledge Ave	College Ave	\$45,863	\$57,223		0.8	0.1
3	8	College Ave	Elizabeth St	E Dougherty St/North Ave	\$152,928	\$190,810		0.6	0.3
3	10	Boulevard	Buena Vista Ave/ Nantahala Ext	N Finley St/ Barber St	\$154,791	\$193,133		0.9	0.3
3	19	S Milledge Ave	S Lumpkin St	Riverbend Rd	\$94,194	\$117,526		1.3	0.2
3	20	S Lumpkin St	S Milledge Ave	Timothy Rd/ Macon Hwy	\$197,450	\$246,360		1.7	0.3
3	22	Brooklyn Creek Middle Greenway	Baxter St	Normal Ave/ Belvoir Hts	\$12,924	\$16,125		0.8	0.1
3	23	West Lake Dr/Alps Rd	Baxter St	S Lumpkin St	\$654,752	\$816,938		1.5	1.1
3	26	Oglethorpe/ Satula/ Tallassee	Mitchell Bridge Rd	Hawthorne Ave	\$133,526	\$166,601		1.2	0.2
3	27	Mitchell Bridge Rd	Oglethorpe/ Satula/ Tallassee	Mitchell Bridge Rd	\$309,836	\$386,585		0.9	0.5

Tier	Project ID	Project Name	To	From	Low Cost	High Cost	Funding	Project Length (mi)	Sidewalk Length (mi)
3	29	Greenway	Middle Oconee Greenway	Mitchell Bridge Rd	\$1,331,389	\$1,661,182		2.7	2.3
3	30	Chesterfield Rd/W Huntington Rd	Cleveland Rd	Greenway	\$429,519	\$535,913		0.7	0.7
3	35	Whitehead Rd	Old Jefferson Rd/Greenway	Tallassee Rd Greenway North	\$67,523	\$84,249		1.6	0.1
3	37	Lavender Rd	Roberts Rd	Tallassee Rd Greenway South	\$799,422	\$997,444		1.5	1.4
3	61	Cherokee Rd	Hickory Dr	Beaverdam Rd	\$754,822	\$941,796		1.5	1.3
3	66	Barnett Shoals Rd/Whitehall Rd	Barnett Shoals Rd	Greencrest Dr	\$98,611	\$123,037		1	0.2
3	67	Barnett Shoals Rd	Whitehall Rd	Red Fox Run	\$264,522	\$330,046		1.5	0.5
3	71	Whit Davis Rd	Lexington Rd	Old Lexington Rd	\$226,875	\$283,073		1.9	0.6
3	73	Old Lexington Rd	Whit Davis Rd	Morton Rd	\$409,515	\$510,954		1.9	0.7
3	74	Whit Davis Rd	Old Lexington Rd	Barnett Shoals Rd	\$201,111	\$250,927		1.4	0.5
3	91	Hawthorne Ave	Oglethorpe Ave	W Broad St	\$55,899	\$69,745		0.9	0.1
3	103	Research Dr	College Station Rd	Barnett Shoals Rd	\$254,939	\$318,089		0.9	0.9
3	105	College Station Rd	Loop 10	Whitehall Rd/Barnett Shoals Rd	\$259,280	\$323,505		2.5	0.5
Grand Total					\$45,232,627	\$56,437,039		104.8	81.3

PROJECTS BY BICYCLE TIER

The following table represents all of the projects proposed by the Athens in Motion Plan. Projects are listed by Bicycle tier, a group scoring based upon the bicycle prioritization score described in the Implementation chapter of this plan. The Low Cost is estimated for the proposed bicycle category to be implemented through striping or construction on existing asphalt while the High Cost estimate assumes construction of a new facility outside of existing asphalt.

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
1	1	Pulaski St	Buffered Facility	Prince Ave	W Broad St	\$256,970	\$842,149		0.2
1	2	E/W Hancock Ave	Buffered Facility	N Milledge Ave	College Ave	\$823,459	\$2,698,662		0.8
1	4	W Broad St	Separated Facility	N Milledge Rd	S Lumpkin St	\$748,447	\$3,526,337		0.7
1	5	Barber St/N Finley St	Delineated Facility	Boulevard	E/W Hancock Ave	\$254,144	\$1,311,382		0.5
1	6	Barber St	Separated Facility	N Chase St	Boulevard	\$1,358,133	\$4,664,187		1
1	7	Willow St/Cleveland Ave	Buffered Facility	Barber St	Elizabeth St	\$592,702	\$1,942,420		0.6
1	8	College Ave	Shared Facility	Elizabeth St	E Dougherty St/North Ave	\$158,939	\$221,339		0.6
1	9	College Ave	Delineated Facility	E Dougherty St/North Ave	E Broad St	\$125,575	\$647,968		0.2
1	15	Prince Ave	Separated Facility	Oglethorpe Ave	Pulaski St	\$1,346,802	\$6,345,508	Prince Avenue	1.2
1	17	S/N Milledge Ave	Separated Facility	Prince Ave	Baxter St	\$963,471	\$4,539,432		0.9
1	18	S Milledge Ave	Separated Facility	Baxter St	S Lumpkin St	\$773,651	\$3,645,087		0.7
1	19	S Milledge Ave	Separated Facility	S Lumpkin St	Riverbend Rd	\$1,714,267	\$5,887,245		1.3

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
1	42	North Ave	Separated Facility	North Oconee River Greenway	Old Hull Rd	\$1,140,936	\$3,918,273		0.9
1	51	Vine St	Delineated Facility	Oakridge Ave	Nellie B Ave	\$306,100	\$1,579,477		0.6
1	57	Athens Rd	Separated Facility	N Main St	N Church St	\$306,658	\$1,444,830	Winterville	0.3
1	58	N Church St	Delineated Facility	Athens Rd	Marigold Ln	\$263,545	\$1,359,893	Winterville	0.5
1	59	Marigold Ln/ Parkview Dr	Shared Facility	N Church St	Marigold Ln/ Parkview Dr	\$59,792	\$106,592	Winterville	0.2
1	60	Cherokee Rd	Buffered Facility	Hickory Dr	Athens Rd	\$1,037,828	\$3,401,197	Winterville	1
1	63	Lexington Rd	Separated Facility	Barnett Shoals Rd	Gaines School Rd/ Cherokee Rd	\$2,555,689	\$8,776,906	Lexington Road	1.9
1	64	Winterville Rd	Separated Facility	Winterville Rd	Lexington Rd	\$219,997	\$755,528		0.2
1	65	Gaines School Rd	Separated Facility	Barnett Shoals Rd	Lexington Rd	\$1,479,013	\$6,968,429		1.3
1	70	Lexington Rd	Separated Facility	Gaines School Rd/ Cherokee Rd	Whit Davis Rd	\$1,064,698	\$3,656,453	Lexington Road	0.8
1	72	Lexington Rd	Buffered Facility	Whit Davis Rd	Morton Rd/ Robert Hardeman Rd	\$2,008,820	\$6,583,361	Lexington Road	1.9
1	75	Robert Hardeman Rd	Buffered Facility	S Main St	Martin Meadow Way	\$1,009,520	\$3,308,426	Winterville	0.9
1	91	Hawthorne Ave	Buffered Facility	Oglethorpe Ave	W Broad St	\$953,629	\$3,125,258		0.9
1	92	Alps Rd	Buffered Facility	W Broad St	Baxter St	\$321,216	\$1,052,697	West Broad Street	0.3

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
1	93	Baxter St	Buffered Facility	Alps Rd/West Lake Rd	N/S Milledge Ave	\$1,356,511	\$4,445,596	West Broad Street	1.3
1	94	W Hancock Ave	Separated Facility	Glenhaven Ave	N Milledge Rd	\$797,821	\$2,739,928	West Broad Street	0.6
1	95	Baxter St	Delineated Facility	N/S Milledge Rd	S Lumpkin St	\$328,672	\$1,695,945		0.6
1	98	Williams St/ Baldwin St	Buffered Facility	E Campus Rd	Oconee St	\$264,073	\$865,427		0.2
1	99	Cedar Shoals Dr	Delineated Facility	Gaines School Rd	Whit Davis Rd	\$952,323	\$4,913,986		1.8
1	109	Henderson Ext/ Pedestrian Bridge	Shared Facility	Evans St/ Hancock Ave/ Waddell Ext	Waddell/ Clarke Central/ Dearing	\$124,444	\$150,244	West Broad Street	0.5
1	110	Waddell/ Clarke Central/ Dearing	Shared Facility	Henderson Ext/ Pedestrian Bridge	N Milledge Rd	\$126,360	\$177,960	West Broad Street	0.5
1	111	Evans St/ Hancock Av/ Waddell Ext	Shared Facility	Rose St/ Magnolia St	Henderson Ext/ Pedestrian Bridge	\$51,141	\$51,141	West Broad Street	0.2
1	112	Rose St/ Magnolia St	Shared Facility	Baxter St	Evans St/ Hancock Ave/ Waddell Ext	\$73,232	\$73,232	West Broad Street	0.3
1	113	W Broad St	Separated Facility	Hawthorne Ave/ Alps Rd	N Milledge Rd	\$1,690,884	\$5,806,940	Atlanta Highway	1.3
1	114	Atlanta Hwy/ W Broad St	Separated Facility	Mitchell Bridge Rd	Hawthorne Ave/ Alps Rd	\$3,581,723	\$12,300,577	Atlanta Highway	2.7
2	3	E Broad St	Separated Facility	S Lumpkin St	Wilkerson St	\$588,879	\$2,774,527		0.5
2	10	Boulevard	Delineated Facility	Buena Vista Ave/ Nantahala Ext	N Finley St/ Barber St	\$490,918	\$2,533,138		0.9

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
2	11	N Chase St	Shared Facility	Prince Ave	Newton Bridge Rd/ Barber St	\$290,410	\$384,010		1.1
2	14	Buena Vista Ave/ Nantahala Ext	Greenway	Old Jefferson Rd/ Greenway	Boulevard	\$396,276	\$396,276		0.3
2	16	Wilkerson Greenway	Greenway	E Broad St	Williams St Greenway	\$599,592	\$599,592		0.5
2	20	S Lumpkin St	Buffered Facility	S Milledge Ave	Timothy Rd/ Macon Hwy	\$1,770,244	\$5,801,492		1.7
2	21	College Station Rd/ Southview Dr	Shared Facility	S Milledge Rd	E Campus Rd	\$147,029	\$240,629		0.6
2	23	West Lake Dr/ Alps Rd	Separated Facility	Baxter St	S Lumpkin St	\$1,927,512	\$6,619,584		1.5
2	24	Brooklyn Creek Middle Greenway	Greenway	Alps Rd/ West Lake Rd	Baxter St	\$977,469	\$977,469		0.8
2	26	Oglethorpe/ Satula/ Tallassee	Separated Facility	Mitchell Bridge Rd	Hawthorne Ave	\$1,652,169	\$5,673,984		1.2
2	27	Mitchell Bridge Rd	Separated Facility	Oglethorpe/ Satula/ Tallassee	Mitchell Bridge Rd	\$1,160,536	\$3,985,585		0.9
2	28	Mitchell Bridge Rd	Separated Facility	Mitchell Bridge Rd	W Broad St/ Atlanta Hwy	\$2,073,975	\$7,122,576		1.6
2	39	Vincent Dr	Buffered Facility	Jefferson River Rd	Newton Bridge Rd	\$1,531,488	\$5,019,035		1.4
2	40	Newton Bridge Rd	Separated Facility	Vincent Dr	Saxon Woods Dr	\$1,332,541	\$4,576,297		1
2	41	Newton Bridge Rd	Separated Facility	Vincent Dr	N Chase St	\$1,900,887	\$6,528,144		1.4
2	43	Old Hull Rd	Buffered Facility	North Ave	Athena Dr	\$1,426,889	\$4,676,241		1.3

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
2	47	Freeman Dr	Separated Facility	Cabernet/ Pine/Nowhere/ Sayemore	North Ave Bridge/ Danielsville Rd	\$1,115,016	\$3,829,259		0.8
2	52	Nellie B Ave	Delineated Facility	Vine St	Spring Valley Rd	\$366,474	\$1,891,004		0.7
2	62	Cherokee Rd	Separated Facility	Beaverdam Rd	Lexington Rd	\$987,569	\$4,652,969		0.9
2	66	Barnett Shoals Rd/ Whitehall Rd	Separated Facility	Barnett Shoals Rd	Greencrest Dr	\$1,096,733	\$5,167,298		1
2	71	Whit Davis Rd	Separated Facility	Lexington Rd	Old Lexington Rd	\$2,137,474	\$10,070,791		1.9
2	81	Macon Hwy/ Timothy Rd	Separated Facility	Timothy Rd	S Milledge Ave	\$2,290,418	\$7,865,897		1.7
2	83	Timothy Rd	Buffered Facility	W Broad St/ Atlanta Hwy	Epps Bridge Pkwy	\$1,150,936	\$3,771,879		1.1
2	84	Atlanta Hwy	Separated Facility	Commerce Blvd	Mitchell Bridge Rd	\$1,698,919	\$5,834,535	Atlanta Highway	1.3
2	89	St James / Devonshire/ Somerset	Shared facility	Timothy Rd	Brooklyn Creek South Greenway	\$25,914.01	\$25,914.01		0.1
2	90	Oglethorpe Ave	Buffered Facility	Hawthorne Ave	Prince Ave	\$764,678	\$2,506,025		0.7
2	96	North Ave/E Dougherty St	Separated Facility	College Ave	North Oconee River Greenway	\$543,784	\$1,867,499		0.4
2	97	E Campus Rd	Buffered Facility	Williams St Greenway	E Green St	\$829,922	\$2,719,845		0.8
2	100	Barnett Shoals Rd	Separated Facility	Lexington Rd	Gaines School Rd	\$1,934,798	\$9,115,876		1.8
2	101	S Lumpkin St	Buffered Facility	Baxter St	S Milledge Ave	\$1,141,989	\$3,742,558		1.1

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
2	102	S Lumpkin St	Buffered Facility	W Broad St	Baxter St	\$449,679	\$1,473,700		0.4
2	103	Research Dr	Buffered Facility	College Station Rd	Barnett Shoals Rd	\$907,207	\$2,973,123		0.9
2	104	College Station Rd	Buffered Facility	E Campus Rd	Loop 10	\$842,717	\$2,761,775		0.8
2	105	College Station Rd	Buffered Facility	Loop 10	Whitehall Rd/Barnett Shoals Rd	\$2,710,151	\$8,881,783		2.5
2	106	Riverbend Rd	Delineated Facility	S Milledge Ave	College Station Rd	\$731,557	\$3,774,833		1.4
2	108	Danielsville Rd/North Ave	Shared Facility	Old Hull Rd	Freeman Dr	\$173,661	\$173,661		0.7
3	12	Oneta St	Shared Facility	Normaltown Connector Greenway	Barber St	\$126,276	\$126,276		0.5
3	13	Normaltown Connector Greenway	Greenway	Old Jefferson Rd/Greenway (33)	Oneta St	\$410,643	\$410,643		0.3
3	22	Brooklyn Creek Middle Greenway	Shared Facility	Baxter St	Normal Ave/Belvoir Hts	\$944,491	\$944,491		0.8
3	25	Normal Ave/Belvoir Hts	Shared Facility	Oglethorpe Ave	Brooklyn Creek Middle Greenway	\$133,511	\$227,111		0.5
3	29	Greenway	Greenway	Middle Oconee Greenway	Mitchell Bridge Rd	\$3,391,463	\$3,391,463		2.7
3	30	Chesterfield Rd/W Huntington Rd	Shared Facility	Cleveland Rd	Greenway	\$197,027	\$306,227		0.7
3	31	Tallassee Rd	Greenway	Turkey Creek Rd	Mitchell Bridge Rd	\$2,363,972	\$2,363,972		1.9

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
3	32	Tallassee Rd Greenway South	Greenway	Three Oaks Dr	Turkey Creek Rd	\$3,176,573	\$3,176,573		2.6
3	33	Old Jefferson Rd	Buffered Facility	Whitehead Rd	Buena Vista Ave/ Nantahala Ext	\$2,572,035	\$8,429,145		2.4
3	34	Old Jefferson Rd	Buffered Facility	Archer Grove Rd	Whitehead Rd	\$1,803,031	\$5,908,943		1.7
3	35	Whitehead Rd	Buffered Facility	Old Jefferson Rd/Greenway	Tallassee Rd Greenway North	\$1,694,080	\$5,551,885		1.6
3	36	Lavender Rd	Buffered Facility	Roberts Rd	Old Jefferson Rd	\$826,078	\$2,707,245		0.8
3	37	Lavender Rd	Buffered Facility	Roberts Rd	Tallassee Rd Greenway South	\$1,588,783	\$5,206,803		1.5
3	38	Jefferson River Rd	Buffered Facility	Old Jefferson Rd/Greenway	Vincent Dr	\$844,190	\$2,766,603		0.8
3	44	Old Hull Rd	Buffered Facility	Athena Dr	Hull Rd	\$1,222,651	\$4,006,906		1.1
3	45	Athena Dr	Buffered Facility	Collins Industrial Blvd	Olympic Dr	\$1,354,256	\$4,438,205		1.3
3	46	Collins Industrial Blvd	Shared Facility	N Ave Brdg/ Danielsville Rd	Athena Dr	\$262,933	\$262,933		1
3	48	Monty Dr/ Kenwood Dr	Shared Facility	Mercer Ct	Freeman Dr	\$129,358	\$207,358		0.5
3	49	Cabernet/ Nowhere/ Pine/ Saymore	Shared Facility	Freeman Dr	Danielsville Rd	\$281,240	\$343,640		1.1
3	50	Danielsville Rd	Separated Facility	Cabernet/ Pine/Nowhere/ Saymore	Forest Acres Cir	\$1,802,914	\$6,191,681		1.4

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
3	53	N Peter St/ Olympic Dr	Delineated Facility	Vine St	Indian Hills Rd	\$531,653	\$2,743,327		1
3	54	Olympic Dr	Separated Facility	Indian Hills Rd	Athena Dr	\$1,461,929	\$5,020,650		1.1
3	55	Athena Dr	Separated Facility	Olympic Dr	Spring Valley Rd	\$1,326,594	\$4,555,873		1
3	56	Old Elberton Rd/ Spring Valley Rd	Buffered Facility	Taylor Ln	Chandler Ray Rd	\$3,003,588	\$9,843,442		2.8
3	61	Cherokee Rd	Buffered Facility	Hickory Dr	Beaverdam Rd	\$1,649,228	\$5,404,894		1.5
3	67	Barnett Shoals Rd	Separated Facility	Whitehall Rd	Red Fox Run	\$1,922,162	\$6,601,211		1.5
3	68	Barnett Shoals Rd	Separated Facility	Red Fox Run	Whit Davis Rd	\$1,458,627	\$5,009,310		1.1
3	69	Old Lexington Rd	Buffered Facility	Barnett Shoals Rd	Whit Davis Rd	\$1,628,391	\$5,336,609		1.5
3	73	Old Lexington Rd	Buffered Facility	Whit Davis Rd	Morton Rd	\$2,024,661	\$6,635,276		1.9
3	74	Whit Davis Rd	Buffered Facility	Old Lexington Rd	Barnett Shoals Rd	\$1,461,310	\$4,789,046		1.4
3	76	Robert Hardeman Rd	Buffered Facility	Martin Meadow Way	Lexington Rd	\$2,114,731	\$6,930,456		2
3	77	Morton Rd	Buffered Facility	Lexington Rd	Old Lexington Rd	\$1,759,297	\$5,765,617		1.6
3	78	Morton Rd	Buffered Facility	Old Lexington Rd	Belmont Rd	\$2,460,885	\$8,064,881		2.3
3	79	Barnett Shoals Rd	Buffered Facility	Whit Davis Rd	Bob Godfrey Rd	\$2,702,368	\$8,856,277		2.5
3	80	Belmont Rd	Buffered Facility	Barnett Shoals Rd	Morton Rd	\$1,455,117	\$4,768,751		1.4
3	82	Timothy Rd	Buffered Facility	Epps Bridge Pkwy	Timothy Rd/ Macon Hwy	\$2,525,260	\$8,275,851		2.4

Tier	Project ID	Project Name	Bike Category	To	From	Low Cost	High Cost	Funding	Project Length (mi)
3	85	Commerce Blvd	Shared Facility	Jennings Mill Pkwy	Atlanta Hwy	\$78,723	\$125,523		0.3
3	86	Marilyn Farmer Way/ Cleveland Rd	Shared Facility	Atlanta Hwy	Chesterfield Rd/W Huntington Rd	\$287,084	\$349,484		1.1
3	87	Cleveland Rd	Shared Facility	Big Bear Rd	Chesterfield Rd/W Huntington Rd	\$602,720	\$696,320		2.3
3	88	Ruth St	Shared Facility	Dr. MLK Jr. Pkwy	North Ave	\$214,567	\$339,367		0.8
3	107	Jennings Mill Pkwy	Shared Facility	New Jimmie Daniel Rd	Commerce Blvd	\$309,564	\$371,964		1.2
3	115	Middle Oconee Greenway	Greenway	Mitchell Bridge Rd	W Broad St/ Atlanta Hwy	\$1,984,323	\$1,984,323		1.6
3	116	Brooklyn Creek South	Greenway	St James/ Devonshire/ Somerset	Alps Rd/West Lake Rd	\$1,239,255	\$1,239,255		1
Grand Total						\$130,685,139	\$417,214,627		29.4

DETAILED COST ESTIMATES

FACILITY COST WITHOUT WIDENING

Bike Lanes, Paved and Striped Shoulder without Curb (4'-6' paved shoulder)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires 5' of existing asphalt on one side. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (4" to 6")	LF	100	\$1.27	\$127
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$7,937
			20% Contingency	\$1,587
			Total Estimated Cost	\$9,600
			\$96.00 Per Foot	

Buffered Bike Lane with Existing Curb and Gutter (Min. 1.5' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires 6.5' of existing asphalt on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$8,372
			20% Contingency	\$1,674
			Total Estimated Cost	\$10,100
\$101.00 Per Foot				

Buffered Bike Lane with Existing Curb and Gutter (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires 8' of existing asphalt on one side. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$8,922
			20% Contingency	\$1,784
			Total Estimated Cost	\$10,800
\$108.00 Per Foot				

Separated Bike Lane (One-Way) with Existing Curb and Gutter (2' painted buffer with flex posts, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires 8' of existing asphalt on one side. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$17,778
			20% Contingency	\$3,556
			Total Estimated Cost	\$21,400
\$214.00 Per Foot				

Separated Bike Lane (One-Way) with Existing Curb and Gutter (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires up to 8' of existing asphalt on one side. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$20,779
			20% Contingency	\$4,156
			Total Estimated Cost	\$25,000
\$250.00 Per Foot				

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires up to 12' existing asphalt on one side. Bicycle facility not required on other side of the road. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$17,278
			20% Contingency	\$3,456
			Total Estimated Cost	\$20,800
\$208.00 Per Foot				

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. No road widening. Requires up to 12' existing asphalt on one side. Bicycle facility not required on other side of the road. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$17,278
			20% Contingency	\$3,456
			Total Estimated Cost	\$20,800
\$208.00 Per Foot				

SINGLE FACILITY COST

4" Striping

Assumes restriping of existing roadway. Prices based on 100' long section on one side.

Item	Unit	Quantity	Unit Cost	Total Cost
4" Thermoplastic Striping, White	LF	100	\$1.27	\$127
Remove Existing White Stripe, Paint	LF	100	\$1.08	\$108
Pavement Marking, Bike Shared Lane Symbol	EA	4	\$391.17	\$391
Pavement Marking, Bike Lane Symbol	EA	0	\$538.08	\$0
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$4,126
			20% Contingency	\$825
			Total Estimated Cost	\$5,000
\$50 Per Foot				

5' Sidewalk With No Curb and Gutter

Includes: removal of existing earth, minimal grading to avoid property acquisition, sawcut and removal of asphalt road edge and soil for new grade. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	4	\$19.00	\$76
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$9,031
			20% Contingency	\$1,806
			Total Estimated Cost	\$10,900
\$109.00 Per Foot				

5' Sidewalk With Existing Curb and Gutter Attached

Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	4	\$19.00	\$76
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk (4" Thickness)	SY	56	\$73.56	\$4,119
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$9,031
			20% Contingency	\$1,806
			Total Estimated Cost	\$10,900
				\$109.00 Per Foot

5' Sidewalk with Existing Curb and Gutter Detached

Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	4	\$19.00	\$76
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk (4" Thickness)	SY	56	\$73.56	\$4,119
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$9,031
			20% Contingency	\$1,806
			Total Estimated Cost	\$10,900
				\$109.00 Per Foot

10' Sidewalk With Existing Curb and Gutter

Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	8	\$19.00	\$152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$14,648
			20% Contingency	\$2,930
			Total Estimated Cost	\$17,600
				\$176.00 Per Foot

Bike Lanes, Paved and Striped Shoulder without Curb (4'-6' paved shoulder)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening of 5' on one side. Major grading required with no curb and gutter. Natural ditch drainage provided. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Thermoplastic Pavement Marking Lines (4" to 6")	LF	100	\$1.27	\$127
Pavement Marking, Bike Shared Lane Symbol	EA	0	\$391.17	\$0
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$21,423
			20% Contingency	\$4,285
			Total Estimated Cost	\$25,800
				\$258.00 Per Foot

Buffered Bike Lane with Existing Curb and Gutter (Min. 1.5' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 6.5' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$23,646
			20% Contingency	\$4,729
			Total Estimated Cost	\$28,400
				\$284.00 Per Foot

Buffered Bike Lane with Existing Curb and Gutter (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$27,552
			20% Contingency	\$5,510
			Total Estimated Cost	\$33,100
			\$331.00 Per Foot	

Separated Bike Lane (One-Way) with Existing Curb and Gutter (2' painted buffer with flex posts, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$36,408
			20% Contingency	\$7,282
			Total Estimated Cost	\$43,700
				\$437.00 Per Foot

Separated Bike Lane (One-Way) with Existing Curb and Gutter (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$39,409
			20% Contingency	\$7,882
			Total Estimated Cost	\$47,300
				\$473.00 Per Foot

Separated Bike Lane (One-Way) with Existing Curb and Gutter (4' landscape buffer, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 10' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$40,779
			20% Contingency	\$8,156
			Total Estimated Cost	\$49,000
				\$490.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$41,808
			20% Contingency	\$8,362
			Total Estimated Cost	\$50,200
			\$502.00 Per Foot	

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (2' beveled curb separation, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$44,809
			20% Contingency	\$8,962
			Total Estimated Cost	\$53,800
				\$538.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (4' landscape buffer, 10' bike lane)				
Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 14' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	17	\$19.00	\$323
Milling & Overlay	SY	240	\$32.00	\$7,680
Asphalt Surface Paving	SY	144	\$124.77	\$17,967
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$53,867
			20% Contingency	\$10,773
			Total Estimated Cost	\$64,700
				\$647.00 Per Foot

Shared Use Path 10' wide - Asphalt (No Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	8	\$19.00	\$152
Aggregate Base Course	CY	4	\$18.19	\$73
Asphalt Surface Paving	SY	115	\$124.77	\$14,349
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$20,873
			20% Contingency	\$4,175
			Total Estimated Cost	\$25,100
				\$251.00 Per Foot

Shared Use Path 12' wide - Asphalt (No Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	10	\$19.00	\$190
Aggregate Base Course	CY	5	\$18.19	\$91
Asphalt Surface Paving	SY	138	\$124.77	\$17,218
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$23,798
			20% Contingency	\$4,760
			Total Estimated Cost	\$28,600
				\$286.00 Per Foot

Shared Use Path 10' wide - Asphalt (Existing Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	8	\$19.00	\$152
Aggregate Base Course	CY	4	\$18.19	\$73
Asphalt Surface Paving	SY	115	\$124.77	\$14,349
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$20,873
			20% Contingency	\$4,175
			Total Estimated Cost	\$25,100
				\$251.00 Per Foot

Shared Use Path 12' wide - Asphalt (Existing Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	10	\$19.00	\$190
Aggregate Base Course	CY	5	\$18.19	\$91
Asphalt Surface Paving	SY	138	\$124.77	\$17,218
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$23,798
			20% Contingency	\$4,760
			Total Estimated Cost	\$28,600
				\$286.00 Per Foot

Sidewalk Level Bike Lane with Existing Curb and Gutter (10' Sidewalk)

Requires road widening of 18' on one side. 5' Bike Lane, 10' Sidewalk, and 3' Buffer. Prices based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$2,000.00	\$2,000
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$2,000.00	\$2,000
Maintenance of Traffic	LS	1.00	\$2,000.00	\$2,000
Utility Adjustments	LS	1.00	\$2,000.00	\$2,000
			Subtotal	\$33,993
			20% Contingency	\$6,799
			Total Estimated Cost	\$40,800
				\$408.00 Per Foot

Sidewalk Level Bike Lane with Existing Curb and Gutter (12' Sidewalk)				
Requires road widening of 18' on one side. 5' Bike Lane, 12' Sidewalk, and 3' Buffer. Prices based on 100LF section.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	5	\$18.19	\$91
10' Concrete Sidewalk (4" Thickness)	SY	134	\$85.93	\$11,515
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$2,000.00	\$2,000
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$2,000.00	\$2,000
Maintenance of Traffic	LS	1.00	\$2,000.00	\$2,000
Utility Adjustments	LS	1.00	\$2,000.00	\$2,000
			Subtotal	\$35,901
			20% Contingency	\$7,180
			Total Estimated Cost	\$43,100
			\$431.00 Per Foot	

Shared Use Path 12' wide - Concrete (No Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer if necessary. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	10	\$19.00	\$190
Aggregate Base Course	CY	5	\$18.19	\$91
Concrete Surface Paving	SY	138	\$93.56	\$12,911
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			20% Contingency	\$3,898
			Total Estimated Cost	\$23,400
			\$234.00 Per Foot	

FACILITY PLUS CURB AND GUTTER

5' Sidewalk With Curb and Gutter (Attached Sidewalk)				
Prices based on 100' long section on one side of roadway.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	4	\$19.00	\$76
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$11,320
			20% Contingency	\$2,264
			Total Estimated Cost	\$13,600
			\$136.00 Per Foot	

5' Sidewalk With Curb and Gutter (2' Detached)

Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	4	\$19.00	\$76
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$11,320
			20% Contingency	\$2,264
			Total Estimated Cost	\$13,600
				\$136.00 Per Foot

10' Sidewalk With Existing Curb and Gutter

Includes: removal of existing earth, minimal grading to avoid property acquisition, sawcut and removal of asphalt road edge and soil for new grade. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	8	\$19.00	\$152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$500.00	\$500
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$16,937
			20% Contingency	\$3,387
			Total Estimated Cost	\$20,400
				\$204.00 Per Foot

Buffered Bike Lane with Curb and Gutter (Min. 1.5' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 6.5' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$25,935
			20% Contingency	\$5,187
			Total Estimated Cost	\$31,200
\$312.00 Per Foot				

Buffered Bike Lane with Curb and Gutter (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$29,841
			20% Contingency	\$5,968
			Total Estimated Cost	\$35,900
				\$359.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter (2' painted buffer with flex posts, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$38,697
			20% Contingency	\$7,739
			Total Estimated Cost	\$46,500
\$465.00 Per Foot				

Separated Bike Lane (One-Way) with Curb and Gutter (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$41,698
			20% Contingency	\$8,340
			Total Estimated Cost	\$50,100
				\$501.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter (4' landscape buffer, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 10' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$43,068
			20% Contingency	\$8,614
			Total Estimated Cost	\$51,700
				\$517.00 Per Foot

Separated Bike Lane (Two-Way) with Curb and Gutter (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$44,097
			20% Contingency	\$8,819
			Total Estimated Cost	\$53,000
				\$530.00 Per Foot

Separated Bike Lane (Two-Way) with Curb and Gutter (2' beveled curb separation, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$47,098
			20% Contingency	\$9,420
			Total Estimated Cost	\$56,600
				\$566.00 Per Foot

Separated Bike Lane (Two-Way) with Curb and Gutter (4' landscape buffer, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 14' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	17	\$19.00	\$323
Milling & Overlay	SY	240	\$32.00	\$7,680
Asphalt Surface Paving	SY	144	\$124.77	\$17,967
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$56,156
			20% Contingency	\$11,231
			Total Estimated Cost	\$67,400
				\$674.00 Per Foot

Shared Use Path 10' wide - Asphalt (Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	8	\$19.00	\$152
Aggregate Base Course	CY	4	\$18.19	\$73
Asphalt Surface Paving	SY	115	\$124.77	\$14,349
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$23,162
			20% Contingency	\$4,632
			Total Estimated Cost	\$27,800
				\$278.00 Per Foot

Shared Use Path 12' wide - Asphalt (Curb and Gutter)

Includes: removal of existing earth, minimal grading to avoid property acquisition. Four foot buffer. Prices based on 100' long section on one side of roadway.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Fill, Excavation, Grading	CY	10	\$19.00	\$190
Aggregate Base Course	CY	5	\$18.19	\$91
Asphalt Surface Paving	SY	138	\$124.77	\$17,218
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$500.00	\$500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Misc. Move mailbox/ signage	LS	1.00	\$250.00	\$250
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$26,087
			20% Contingency	\$5,217
			Total Estimated Cost	\$31,400
				\$314.00 Per Foot

FACILITY PLUS 5-FOOT SIDEWALK

Bike Lanes, Paved and Striped Shoulder with 5' Sidewalk (4'-6' paved shoulder)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening of 5' on one side. Major grading required with no curb and gutter. Natural ditch drainage provided. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Thermoplastic Pavement Marking Lines (4" to 6")	LF	100	\$1.27	\$127
Pavement Marking, Bike Shared Lane Symbol	EA	0	\$391.17	\$0
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$2,000.00	\$2,000
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$2,000.00	\$2,000
Maintenance of Traffic	LS	1.00	\$2,000.00	\$2,000
Utility Adjustments	LS	1.00	\$2,000.00	\$2,000
			Subtotal	\$27,578
			20% Contingency	\$5,516
			Total Estimated Cost	\$33,100
			\$331.00 Per Foot	

Buffered Bike Lane with Existing Curb and Gutter and 5' Sidewalk (Min. 1.5' painted buffer, 5' bike lane)				
Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 6.5' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$27,802
			20% Contingency	\$5,560
			Total Estimated Cost	\$33,400
\$334.00 Per Foot				

Buffered Bike Lane with Existing Curb and Gutter with 5' Sidewalk (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$31,708
			20% Contingency	\$6,342
			Total Estimated Cost	\$38,100
				\$381.00 Per Foot

Separated Bike Lane (One-Way) with Existing Curb and Gutter with 5' Sidewalk (2' painted buffer with flex posts, 5' bike lane)				
Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$40,564
			20% Contingency	\$8,113
			Total Estimated Cost	\$48,700
\$487.00 Per Foot				

Separated Bike Lane (One-Way) with Existing Curb and Gutter with 5' Sidewalk (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$43,565
			20% Contingency	\$8,713
			Total Estimated Cost	\$52,300
			\$523.00 Per Foot	

Separated Bike Lane (One-Way) with Existing Curb and Gutter with 5' Sidewalk (4' landscape buffer, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 10' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$44,935
			20% Contingency	\$8,987
			Total Estimated Cost	\$54,000
			\$540.00 Per Foot	

Separated Bike Lane (Two-Way) with Existing Curb and Gutter with 5' Sidewalk (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$45,964
			20% Contingency	\$9,193
			Total Estimated Cost	\$55,200
				\$552.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (2' beveled curb separation, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$48,965
			20% Contingency	\$9,793
			Total Estimated Cost	\$58,800
			\$588.00 Per Foot	

Separated Bike Lane (Two-Way) with Existing Curb and Gutter (4' landscape buffer, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 14' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	17	\$19.00	\$323
Milling & Overlay	SY	240	\$32.00	\$7,680
Asphalt Surface Paving	SY	144	\$124.77	\$17,967
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$58,022
			20% Contingency	\$11,604
			Total Estimated Cost	\$69,700
				\$697.00 Per Foot

FACILITY PLUS 5-FOOT SIDEWALK AND CURB AND GUTTER

Bike Lanes, Paved and Striped Shoulder with 5' Sidewalk and Curb and Gutter (4'-6' paved shoulder)				
Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening of 5' on one side. Major grading required with no curb and gutter. Natural ditch drainage provided. Priced based on 100LF section.				
Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Thermoplastic Pavement Marking Lines (4" to 6")	LF	100	\$1.27	\$127
Pavement Marking, Bike Shared Lane Symbol	EA	0	\$391.17	\$0
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$2,000.00	\$2,000
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$2,000.00	\$2,000
Maintenance of Traffic	LS	1.00	\$2,000.00	\$2,000
Utility Adjustments	LS	1.00	\$2,000.00	\$2,000
			Subtotal	\$29,867
			20% Contingency	\$5,973
			Total Estimated Cost	\$35,900
				\$359.00 Per Foot

Buffered Bike Lane with Curb and Gutter and 5' Sidewalk (Min. 1.5' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 6.5' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$30,091
			20% Contingency	\$6,018
			Total Estimated Cost	\$36,200
			\$362.00 Per Foot	

Buffered Bike Lane with Curb and Gutter with 5' Sidewalk (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$33,997
			20% Contingency	\$6,799
			Total Estimated Cost	\$40,800
			\$408.00 Per Foot	

Separated Bike Lane (One-Way) with Curb and Gutter with 5' Sidewalk (2' painted buffer with flex posts, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$42,853
			20% Contingency	\$8,571
			Total Estimated Cost	\$51,500
				\$515.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter with 5' Sidewalk (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$45,854
			20% Contingency	\$9,171
			Total Estimated Cost	\$55,100
				\$551.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter with 5' Sidewalk (4' landscape buffer, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 10' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$47,224
			20% Contingency	\$9,445
			Total Estimated Cost	\$56,700
				\$567.00 Per Foot

Separated Bike Lane (Two-Way) with Curb and Gutter with 5' Sidewalk (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$48,253
			20% Contingency	\$9,651
			Total Estimated Cost	\$58,000
				\$580.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter with 5' Sidewalk (2' beveled curb separation, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$51,254
			20% Contingency	\$10,251
			Total Estimated Cost	\$61,600
				\$616.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter with 5' Sidewalk (4' landscape buffer, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 14' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	17	\$19.00	\$323
Milling & Overlay	SY	240	\$32.00	\$7,680
Asphalt Surface Paving	SY	144	\$124.77	\$17,967
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	2	\$18.19	\$36
5' Concrete Sidewalk	SY	56	\$73.56	\$4,119
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$60,311
			20% Contingency	\$12,062
			Total Estimated Cost	\$72,400
			\$724.00 Per Foot	

FACILITY PLUS 10-FOOT SIDEWALK AND CURB AND GUTTER

Bike Lanes, Paved and Striped Shoulder with 10' Sidewalk and Curb and Gutter (4'-6' paved shoulder)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening of 5' on one side. Major grading required with no curb and gutter. Natural ditch drainage provided. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	9	\$19.00	\$171
Milling & Overlay	SY	123	\$32.00	\$3,936
Asphalt Surface Paving	SY	56	\$124.77	\$6,987
Thermoplastic Pavement Marking Lines (4" to 6")	LF	100	\$1.27	\$127
Pavement Marking, Bike Shared Lane Symbol	EA	0	\$391.17	\$0
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$49
Lump Sum Items				
Mobilization	LS	1.00	\$2,000.00	\$2,000
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$2,000.00	\$2,000
Maintenance of Traffic	LS	1.00	\$2,000.00	\$2,000
Utility Adjustments	LS	1.00	\$2,000.00	\$2,000
			Subtotal	\$35,409
			20% Contingency	\$7,082
			Total Estimated Cost	\$42,500
			\$425.00 Per Foot	

Buffered Bike Lane with Curb and Gutter and 10' Sidewalk (Min. 1.5' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 6.5' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
Thermoplastic Pavement Marking Lines (1.5' wide)	LF	100	\$5.50	\$550
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$35,632
			20% Contingency	\$7,126
			Total Estimated Cost	\$42,800
			\$428.00 Per Foot	

Buffered Bike Lane with Curb and Gutter with 10' Sidewalk (3' painted buffer, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (3' wide)	LF	100	\$11.00	\$1,100
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$39,538
			20% Contingency	\$7,908
			Total Estimated Cost	\$47,500
			\$475.00 Per Foot	

Separated Bike Lane (One-Way) with Curb and Gutter with 10' Sidewalk (2' painted buffer with flex posts, 5' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$48,394
			20% Contingency	\$9,679
			Total Estimated Cost	\$58,100
				\$581.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter with 10' Sidewalk (2' beveled curb separation, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 8' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	11	\$19.00	\$209
Milling & Overlay	SY	150	\$32.00	\$4,800
Asphalt Surface Paving	SY	90	\$124.77	\$11,229
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$51,395
			20% Contingency	\$10,279
			Total Estimated Cost	\$61,700
				\$617.00 Per Foot

Separated Bike Lane (One-Way) with Curb and Gutter with 10' Sidewalk (4' landscape buffer, 6' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 10' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	10	\$19.00	\$190
Milling & Overlay	SY	112	\$32.00	\$3,584
Asphalt Surface Paving	SY	73	\$124.77	\$9,108
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$52,765
			20% Contingency	\$10,553
			Total Estimated Cost	\$63,400
				\$634.00 Per Foot

Separated Bike Lane (Two-Way) with Curb and Gutter with 10' Sidewalk (2' painted buffer with flex posts, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
Thermoplastic Pavement Marking Lines (2' wide)	LF	100	\$7.25	\$725
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$53,794
			20% Contingency	\$10,759
			Total Estimated Cost	\$64,600
				\$646.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter with 10' Sidewalk (2' beveled curb separation, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 12' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	14	\$19.00	\$266
Milling & Overlay	SY	200	\$32.00	\$6,400
Asphalt Surface Paving	SY	120	\$124.77	\$14,972
2' Curb	LF	100	\$37.26	\$3,726
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$1,000.00	\$1,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$56,795
			20% Contingency	\$11,359
			Total Estimated Cost	\$68,200
				\$617.00 Per Foot

Separated Bike Lane (Two-Way) with Existing Curb and Gutter with 10' Sidewalk (4' landscape buffer, 10' bike lane)

Includes: bicycle lane markings in one direction with bicycle lane signs. Requires road widening up to 14' on one side. Major grading required and relocation of curb and gutter. Priced based on 100LF section.

Item	Unit	Quantity	Unit Cost	Total Cost
Earthwork, Excavation, Grading	CY	17	\$19.00	\$323
Milling & Overlay	SY	240	\$32.00	\$7,680
Asphalt Surface Paving	SY	144	\$124.77	\$17,967
2' Curb	LF	200	\$37.26	\$7,452
Flex Posts	EA	100	\$92.31	\$9,231
Pavement Marking, Bike Lane Symbol	EA	4	\$538.08	\$2,152
Aggregate Base Course	CY	4	\$18.19	\$73
10' Concrete Sidewalk (4" Thickness)	SY	112	\$85.93	\$9,624
Conc. Curb and Gutter	LF	100	\$22.89	\$2,289
Crosswalk (4 per mile, 2 units for 100' cost)	EA	2	\$500.00	\$1,000
New Signs (assume 1 per 500')	EA	0	\$246.00	\$62
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Landscaping	LS	1.00	\$2,000.00	\$2,000
Drainage and E&S	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,500.00	\$1,500
Utility Adjustments	LS	1.00	\$1,500.00	\$1,500
			Subtotal	\$65,853
			20% Contingency	\$13,171
			Total Estimated Cost	\$79,100
				\$791.00 Per Foot

TRAFFIC CALMING ELEMENTS

Bulb-Out (Curb Extension)				
Assumes 50' in length including taper. Prices based on 50' long section on one side.				
Item	Unit	Quantity	Unit Cost	Total Cost
Bulb-Out	EA	1	\$13,000.00	\$13,000
			Subtotal	\$13,000
			20% Contingency	\$2,600
			Total Estimated Cost	\$15,600

Pedestrian Signals (All 4 legs, no cabinet upgrades)				
All 4 legs no cabinet upgrades required (8 signals and corresponding buttons)				
Item	Unit	Quantity	Unit Cost	Total Cost
Pedestrian Pushbuttons w/ Buttons and Signs	EA	8	\$182.00	\$1,456
LED Countdown Pedestrian Signal Head	EA	8	\$324.00	\$2,592
Signal Cable (14AWG); 4 Conductor, Per 1000 FT.	EA	2	\$302.00	\$604
Signal Cable (14AWG); 7 Conductor, Per 1000 FT.	EA	2	\$402.00	\$804
Labor				
Labor Hours	LS	1	\$3,679.00	\$3,679
Lump Sum Items				
Miscellaneous Materials	LS	1.00	\$424.00	\$424
Mobilization (5%)	LS	1.00	\$477.95	\$478
Travel Expense (5%)	LS	1.00	\$477.95	\$478
Contractor Profit (5%)	LS	1.00	\$477.95	\$478
Sub-Contractor Profit (5%)	LS	1.00	\$477.95	\$478
			Subtotal	\$11,471
			20% Contingency	\$2,294
			Total Estimated Cost	\$13,800

Pedestrian Signals (All 4 legs, cabinet upgrades)

All 4 legs (8 signals and corresponding buttons) + cabinet upgrades required

Item	Unit	Quantity	Unit Cost	Total Cost
Pedestrian Pushbuttons w/ Buttons and Signs	EA	8	\$182.00	\$1,456
LED Countdown Pedestrian Signal Head	EA	8	\$324.00	\$2,592
Signal Cable (14AWG); 4 Conductor, Per 1000 FT.	EA	2	\$302.00	\$604
Signal Cable (14AWG); 7 Conductor, Per 1000 FT.	EA	2	\$402.00	\$804
Cabinet Upgrades				
Controller Unit Model 2070 LX (Preferred)	EA	1	\$2,230.00	\$2,230
Cabinet Assembly, Model 336S	EA	1	\$4,470.00	\$4,470
Switch Pack (Load Switch)	EA	12	\$19.00	\$228
DC Isolator	EA	3	\$33.00	\$99
2010 Signal Monitor, Type B (Ethernet)	EA	1	\$505.00	\$505
Pull Box, PB-3	EA	1	\$271.00	\$271
Labor				
Labor Hours	LS	1	\$5,218.00	\$5,218
Lump Sum Items				
Miscellaneous Materials	LS	1.00	\$1,069.00	\$1,069
Mobilization (5%)	LS	1.00	\$977.30	\$977
Travel Expense (5%)	LS	1.00	\$977.30	\$977
Sub-Contractor Profit (5%)	LS	1.00	\$977.30	\$977
Contractor Profit (5%)	LS	1.00	\$977.30	\$977
			Subtotal	\$23,455
			20% Contingency	\$4,691
			Total Estimated Cost	\$28,200

Pedestrian Signals (One approach, cabinet upgrades)

A single approach (2 signals and corresponding buttons) and cabinet upgrades needed

Item	Unit	Quantity	Unit Cost	Total Cost
Pedestrian Pushbuttons w/ Buttons and Signs	EA	2	\$182.00	\$364
LED Countdown Pedestrian Signal Head	EA	2	\$324.00	\$648
Signal Cable (14AWG); 4 Conductor, Per 1000 FT.	EA	1	\$302.00	\$302
Signal Cable (14AWG); 7 Conductor, Per 1000 FT.	EA	1	\$402.00	\$402
Cabinet Upgrades				
Controller Unit Model 2070 LX (Preferred)	EA	1	\$2,230.00	\$2,230
Cabinet Assembly, Model 336S	EA	1	\$4,470.00	\$4,470
Switch Pack (Load Switch)	EA	12	\$19.00	\$228
DC Isolator	EA	3	\$33.00	\$99
2010 Signal Monitor, Type B (Ethernet)	EA	1	\$505.00	\$505
Pull Box, PB-3	EA	1	\$271.00	\$271
Labor Hours				
Labor Hours	LS	1	\$4,473.00	\$4,473
Lump Sum Items				
Miscellaneous Materials	LS	1.00	\$759.00	\$759
Mobilization (5%)	LS	1.00	\$699.60	\$700
Travel Expense (5%)	LS	1.00	\$699.60	\$700
Sub-Contractor Profit (5%)	LS	1.00	\$699.60	\$700
Contractor Profit (5%)	LS	1.00	\$699.60	\$700
			Subtotal	\$17,549
			20% Contingency	\$3,510
			Total Estimated Cost	\$21,100

Pedestrian Signals (One approach, no cabinet upgrades)

A single approach no cabinet upgrades required (2 signals and corresponding buttons)

Item	Unit	Quantity	Unit Cost	Total Cost
Pedestrian Pushbuttons w/ Buttons and Signs	EA	2	\$182.00	\$364
LED Countdown Pedestrian Signal Head	EA	2	\$324.00	\$648
Signal Cable (14AWG); 4 Conductor, Per 1000 FT.	EA	1	\$302.00	\$302
Signal Cable (14AWG); 7 Conductor, Per 1000 FT.	EA	1	\$402.00	\$402
Labor				
Labor Hours	LS	1	\$1,813.00	\$1,813
Lump Sum Items				
Miscellaneous Materials	LS	1.00	\$138.00	\$138
Mobilization (5%)	LS	1.00	\$183.35	\$183
Travel Expense (5%)	LS	1.00	\$183.35	\$183
Sub-Contractor Profit (5%)	LS	1.00	\$183.35	\$183
Contractor Profit (5%)	LS	1.00	\$183.35	\$183
			Subtotal	\$4,400
			20% Contingency	\$880
			Total Estimated Cost	\$5,300

Striped Crosswalk (High-Visibility)

40' length and Continental or Ladder Style (High Visibility)

Item	Unit	Quantity	Unit Cost	Total Cost
Striped Crosswalk	EA	1	\$2,540.00	\$2,540
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$5,040
			20% Contingency	\$1,008
			Total Estimated Cost	\$6,100

Raised Crosswalk

40' length, concrete crossing, approaches are assumed 6' on either side

Item	Unit	Quantity	Unit Cost	Total Cost
Raised Crosswalk	EA	1	\$8,170.00	\$8,170
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000

	Subtotal	\$10,670
	20% Contingency	\$2,134
	Total Estimated Cost	\$12,900

Median Refuge Island

40' length, 8' in width, raised curb, with detectable warning

Item	Unit	Quantity	Unit Cost	Total Cost
Median Refuge Island	SF	320	\$10.00	\$3,200
Detectable Warning Surface	SF	4	\$47.91	\$192
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$5,892
			20% Contingency	\$1,178
			Total Estimated Cost	\$7,100

ADA Ramp

Complete installation with detectable warning

Item	Unit	Quantity	Unit Cost	Total Cost
Wheelchair Ramp	EA	1	\$810.00	\$810
Detectable Warning Surface	SF	2	\$47.91	\$96
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$4,406
			20% Contingency	\$881
			Total Estimated Cost	\$5,300

Rectangular Rapid Flashing Beacon (RRFB)

2 RRFs at one crossing; solar powered

Item	Unit	Quantity	Unit Cost	Total Cost
Rectangular Rapid Flashing Beacon (RRFB)	EA	2	\$22,250.00	\$44,500
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000

Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$48,000
			20% Contingency	\$9,600
			Total Estimated Cost	\$57,600

High Intensity Activated Crosswalk (HAWK Signal)

Assumes electric connection exists

Item	Unit	Quantity	Unit Cost	Total Cost
High Intensity Activated Crosswalk (HAWK Signal)	EA	1	\$57,680.00	\$57,680
Lump Sum Items				
Mobilization	LS	1.00	\$1,500.00	\$1,500
Maintenance of Traffic	LS	1.00	\$1,000.00	\$1,000
Utility Adjustments	LS	1.00	\$1,000.00	\$1,000
			Subtotal	\$61,180
			20% Contingency	\$12,236
			Total Estimated Cost	\$73,500

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