



Village of Oak Park
Madison Street Improvement
Harlem Ave to Austin Ave



Bike Lane Home to Oak Park, Bike Tracks Oak Park to Lombard
Rejuvenation of parkways and sidewalks. Switch Vehicle lane to Bike Lane Home Ave to Lombard.
Lots of roadway work, with colored bike lanes and colored crosswalks.

Harlem to Home:
Bumpouts at signalized intersections, new lighting, new conc bus pads, sidewalk remov/repl as needed, replacement/installation of brick parkway, remov/repl driveways and alleys as needed, new outer pavement/curb and minor landscaping. Mill and resurface roadway.

Home to Oak Park:
Road Diet - Colored Bike Lane, new lighting, new conc bus pads, sidewalk remov/repl as needed, remov/repl driveways and alleys as needed, trees and tree grates, Mill and resurface roadway.

Oak Park to Lombard:
Road Diet - Colored Buffered Bike Lane, Median improved from barrier to flush. No geometric changes to parkway curb. Improvements include new street and pedestrian lighting, parkway tree infill, barrier median removal, new flush median (HMA pvmt), new conc bus pads, sidewalk remov/repl as needed, remov/repl driveways and alleys, new outer pavement/curb/carriageway and minor landscaping. Mill and resurface roadway.

Lombard to Austin:
Keep Existing Medians, Bumpouts at signalized intersections, new lighting, new conc bus pads, sidewalk remov/repl as needed, replacement/installation of brick parkway, remov/repl driveways and alleys as needed, new outer pavement/curb and minor landscaping. Mill and resurface roadway.

Order of Magnitude - Engineer's Estimate of Probable Construction Cost																		
Item	Unit	Harlem to Home (1300 Ft)		Home to Oak Park (1570 Ft)		Oak Park to East Ave (1333 Ft)		East Ave to Ridgeland (1333 Ft)		Ridgeland to Lombard (1333 Ft)		Lombard to Austin (1280 Ft)		Total (8,150 ft) (1.54 mi)	Unit Price	Total Price	VOP Share (30%)	Fed Share (70%)
C&G Remov	Ft	600	\$3,600	3140	\$18,840	2667	\$16,000	2667	\$16,000	2667	\$16,000	600	\$3,600	12340	\$6	\$74,040	\$22,212.0	\$51,828.0
Conc Carriage Walk Remov	Ft		\$0	0	\$0	2667	\$13,333	2667	\$13,333	2667	\$13,333	600	\$3,000	8600	\$5	\$43,000	\$12,900.0	\$30,100.0
Pvmt Remov at Pkg Ln *	Sq Yd	501	\$8,517	2617	\$44,489	2815	\$47,855	2815	\$47,855	2815	\$47,855	634	\$10,778	12197	\$17	\$207,349	\$62,204.7	\$145,144.3
Sidewalk Remov	Sq Ft	22100	\$88,400	26690	\$106,760	13333	\$53,333	13333	\$53,333	13333	\$53,333	12800	\$51,200	101590	\$4	\$406,360	\$121,908.0	\$284,452.0
Driveway / Alley Removal	Sq Yd	273	\$3,549	467	\$6,071	1163	\$15,119	1163	\$15,119	1163	\$15,119	627	\$8,151	4856	\$13	\$63,128	\$18,938.4	\$44,189.6
Adj Ex Drain Structures	Ea	9	\$2,880	43	\$13,760	36	\$11,413	36	\$11,413	36	\$11,413		\$0	159	\$320	\$50,880	\$15,264.0	\$35,616.0
Remove Ex Conc Median Curb (22 medians)	Ft		\$0	0	\$0	1617	\$17,783	1617	\$17,783	1617	\$17,783		\$0	4850	\$11	\$53,350	\$16,005.0	\$37,345.0
Remove Ex Median Landscape	Sq Yd		\$0	0	\$0	658	\$8,558	658	\$8,558	658	\$8,558		\$0	1975	\$13	\$25,675	\$7,702.5	\$17,972.5
Pvmt Remov at Median (2' wide)	Sq Yd		\$0	0	\$0	359	\$5,749	359	\$5,749	359	\$5,749		\$0	1078	\$16	\$17,248	\$5,174.4	\$12,073.6
PR C&G	Ft	720	\$15,120	3768	\$79,128	1920	\$40,320	1920	\$40,320	1920	\$40,320	600	\$12,600	10848	\$21	\$227,808	\$68,342.4	\$159,465.6
PR Conc Carriage Walk	Ft		\$0	0	\$0	1920	\$17,280	1920	\$17,280	1920	\$17,280	600	\$5,400	6360	\$9	\$57,240	\$17,172.0	\$40,068.0
PR Pvmt at Pkg Ln (2' wide)(10" HMA on Agg Sub)	Sq Yd	134	\$7,370	419	\$23,045	213	\$11,733	213	\$11,733	213	\$11,733	134	\$7,370	1327	\$55	\$72,985	\$21,895.5	\$51,089.5
PR Bike Medians C&G	Ft		\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$20	\$0	\$0.0	\$0.0
PR Bike Medians Surface (Landscape/Conc Surf)	Sq Yd		\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$11	\$0	\$0.0	\$0.0
PR Pvmt at Bike lane (5' wide)(10" HMA on Agg Sub)	Sq Yd		\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$55	\$0	\$0.0	\$0.0
PR CB at Bike Medians (w/ 8' of 12" Storm Sew Lat)	Ea		\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$4,200	\$0	\$0.0	\$0.0
Mill and Resurface HMA Pvmt (2.5")	Sq Yd	7078	\$176,950	8603	\$215,075	9273	\$231,833	9273	\$231,833	9273	\$231,833	8818	\$220,450	52319	\$25	\$1,307,975	\$392,392.5	\$915,582.5
PR Sidewalk	Sq Ft	13000	\$104,000	15700	\$125,600	16000	\$128,000	16000	\$128,000	16000	\$128,000	15360	\$122,880	92060	\$8	\$736,480	\$220,944.0	\$515,536.0
PR Driveway / Alley	Sq Yd	382	\$9,168	467	\$11,208	860	\$20,632	860	\$20,632	860	\$20,632	463	\$11,112	3891	\$24	\$93,384	\$28,015.2	\$65,368.8
PR Pvmt Patch	Sq Yd	723	\$57,840	873	\$69,840	1037	\$82,987	1037	\$82,987	1037	\$82,987	996	\$79,680	5704	\$80	\$456,320	\$136,896.0	\$319,424.0
PR CB (w/ 8' of 12" Storm Sew Lat)	Ea	18	\$79,200	0	\$0	0	\$0	0	\$0	0	\$0	18	\$79,200	36	\$4,400	\$158,400	\$47,520.0	\$110,880.0
PR Pvmt at Med (20' wide)(10" HMA on Agg Sub)	Sq Yd	0	\$0	0	\$0	1097	\$60,353	1097	\$60,353	1097	\$60,353	1098	\$60,390	4390	\$55	\$241,450	\$72,435.0	\$169,015.0
PR Pvmt Marking	Ft	6500	\$9,750	7900	\$11,850	6667	\$10,000	6667	\$10,000	6667	\$10,000	6400	\$9,600	40800	\$1.5	\$61,200	\$18,360.0	\$42,840.0
Signal Modifications	Ea	1	\$270,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	\$270,000	\$270,000	\$81,000.0	\$189,000.0
Temp Drive Access	Ea	2	\$2,000	12	\$12,000	13	\$13,000	13	\$13,000	13	\$13,000	7	\$7,000	60	\$1,000	\$60,000	\$18,000.0	\$42,000.0
New Roadway Signage & Wayfinding Signage	L Sum	0.15	\$6,750	0.20	\$9,000	0	\$7,500	0	\$7,500	0	\$7,500	0.15	\$6,750	1	\$45,000	\$45,000	\$13,500.0	\$31,500.0
Roadway Subtotal			\$845,094		\$746,666		\$812,784		\$812,784		\$812,784		\$699,161			\$4,729,272	\$1,418,781.6	\$3,310,490.4
Remove Ex Lighting System (~200 Ft spacing)	Ea	16	\$12,000	18	\$13,500	13	\$10,000	13	\$10,000	13	\$10,000	16	\$12,000	90	\$750	\$67,500	\$67,500.0	\$0.0
Temp Lighting	L Sum	0.15	\$7,500	0.20	\$10,000	0.16	\$8,000	0.16	\$8,000	0.16	\$8,000	0.15	\$7,500	1	\$50,000	\$50,000	\$50,000.0	\$0.0
PR Decorative Ped Light Poles w/ recepticals	Ea	0	\$0	0	\$0	19	\$69,067	19	\$69,067	19	\$69,067	20	\$74,000	76	\$3,700	\$281,200	\$281,200.0	\$0.0
PR 35' Decorative Street Light Poles (Lighting Sys)	Ea	20	\$260,000	23	\$299,000	18	\$234,000	18	\$234,000	18	\$234,000	18	\$234,000	115	\$13,000	\$1,495,000	\$1,495,000.0	\$0.0
Lighting Subtotal			\$279,500		\$322,500		\$321,067		\$321,067		\$321,067		\$327,500			\$1,893,700	\$1,893,700.0	\$0.0
PR Trees	Ea	59	\$41,300	64	\$44,800	13	\$9,333	13	\$9,333	13	\$9,333	15	\$10,500	178	\$700	\$124,600	\$124,600	\$ -
Pr Tree Grates	Ea	46	\$36,800	57	\$45,600	3	\$2,133	3	\$2,133	3	\$2,133	30	\$800	141	\$800	\$112,800	\$112,800	\$ -
Tree Planters w/Railings	Ea	7	\$3,500	1	\$500	32	\$15,833	32	\$15,833	32	\$15,833	24	\$12,000	127	\$500	\$63,500	\$63,500	\$ -
Silva Cells at Pr Trees	Sq Ft	11200	\$537,600	11400	\$547,200	0	\$0	0	\$0	0	\$0	0	\$0	22600	\$48	\$1,084,800	\$1,084,800	\$ -
PR Plants/Ferts/Topsoil	Sq Yd	50	\$650	50	\$650	293	\$3,813	293	\$3,813	293	\$3,813	1565	\$20,345	2545	\$13	\$33,085	\$33,085	\$ -
Platner Pots (8' dia)	Ea	1	\$1,350	1	\$1,350	2	\$3,150	2	\$3,150	2	\$3,150	0	\$0	9	\$1,350	\$12,150	\$12,150	\$ -
Benches	Ea	4	\$8,000	6	\$12,000	34	\$68,000	34	\$68,000	34	\$68,000	16	\$32,000	128	\$2,000	\$256,000	\$256,000	\$ -
Bike Racks	Ea	7	\$2,975	16	\$6,800	13	\$5,667	13	\$5,667	13	\$5,667	7	\$2,975	70	\$425	\$29,750	\$23,800	\$ 5,950.00
Trash Recepticals	Ea	7	\$5,250	16	\$12,000	13	\$10,000	13	\$10,000	13	\$10,000	7	\$5,250	70	\$750	\$52,500	\$52,500	\$ -
Bollards	Ea	7	\$2,450	8	\$2,800	7	\$2,333	7	\$2,333	7	\$2,333	7	\$2,450	42	\$350	\$14,700	\$14,700	\$ -
Decorative Brick Sidewalk Parkway	Sq Ft	4725	\$94,500	9500	\$190,000	17283	\$345,667	17283	\$345,667	17283	\$345,667	20650	\$413,000	86725	\$20	\$1,734,500	\$1,734,500	\$ -
Decorative Pavement "Overlay"	Sq Ft	0	\$0	9900	\$168,300	5133	\$87,267	5133	\$87,267	5133	\$87,267	14760	\$250,920	40060	\$17	\$681,020	\$681,020	\$ -
Landscaping Subtotal			\$734,375		\$1,032,000		\$553,197		\$553,197		\$553,197		\$773,440			\$4,199,405	\$4,193,455	\$ 5,950.00
Coloring of Bike Lane (100% of total length)	Sq Yd	0	\$0	1756	\$142,236	1482	\$120,015	1482	\$120,015	1482	\$120,015	0	\$0	6201	\$81	\$502,281	\$100,456.20	\$401,824.80
Coloring of Bike Lane Buffers (66% of total length)	Sq Yd	0	\$0	0	\$0	196	\$15,849	196	\$15,849	196	\$15,849	0	\$0	587	\$81	\$47,547	\$9,509.40	\$38,037.60
Bike Lane Subtotal			\$0		\$142,236		\$135,864		\$135,864		\$135,864		\$0			\$549,828	\$109,965.60	\$439,862.40



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Village Hall Roadway Plaza Treatment	L Sum	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$110,000	\$0	\$0	\$ -
Village Hall Roadway Gateway Arch	L Sum	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$260,000	\$0	\$0	\$ -
Crossing Improvements - Kenilworth	L Sum	0	\$0	1	\$125,000	0	\$0	0	\$0	0	\$0	0	\$0	1	\$125,000	\$125,000	\$125,000	\$ -
Crossing Improvements - Scoville	L Sum	0	\$0	0	\$0	0	\$0	1	\$165,000	0	\$0	0	\$0	1	\$165,000	\$165,000	\$165,000	\$ -
Spot Safety & Gateway Improvements Subtotal			\$0		\$125,000		\$0		\$165,000		\$0		\$0			\$290,000	\$290,000.00	\$ -
Water Main Improvements	L Sum	1	\$515,200	1	\$690,000	0	\$0	0	\$0	0	\$0	1	\$211,600	1		\$1,416,800	\$1,416,800	\$ -
Sewer Main Improvements	L Sum	1	\$59,280	1	\$1,050,960	1	\$231,900	1	\$404,850	1	\$156,605	1	\$174,100	1		\$2,077,695	\$2,077,695	\$ -
Special Waste	L Sum	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000	1	\$50,000	1		\$300,000	\$300,000	\$ -
Sub-Total			\$2,483,449		\$4,159,362		\$2,104,811		\$2,442,761		\$2,029,516		\$2,235,801			\$15,455,700	\$11,700,397.20	\$3,756,302.80
MOT (1.5%)		0.16	\$33,610.40	0.2	\$42,013.00	0.16	\$33,610.40	0.16	\$33,610.40	0.16	\$33,610.40	0.15	\$31,509.75	1		\$210,065	\$63,020	\$ 147,045.50
Mobilization (4%)		0.16	\$89,627.52	0.2	\$112,034.40	0.16	\$89,627.52	0.16	\$89,627.52	0.16	\$89,627.52	0.15	\$84,025.80	1		\$560,172	\$168,052	\$ 392,120.40
Erosion Control (0.5%)		0.16	\$11,203.52	0.2	\$14,004.40	0.16	\$11,203.52	0.16	\$11,203.52	0.16	\$11,203.52	0.15	\$10,503.30	1		\$70,022	\$21,007	\$ 49,015.40
Contingency (15%)		0.16	\$336,102.88	0.2	\$420,128.60	0.16	\$336,102.88	0.16	\$336,102.88	0.16	\$336,102.88	0.15	\$315,096.45	1		\$2,100,643	\$2,100,643	\$ -
Engineering (13%)		0.16	\$291,289.28	0.2	\$364,111.60	0.16	\$291,289.28	0.16	\$291,289.28	0.16	\$291,289.28	0.15	\$273,083.70	1		\$1,820,558	\$1,820,558	\$ -
Grand Total			\$3,245,282.60		\$5,111,654.00		\$2,866,644.60		\$3,204,594.60		\$2,791,349.60		\$2,950,020.00			\$20,217,160.00	\$15,873,675.90	\$4,344,484.10

Anticipated Items not included in Cost Estimate: irrigation

Prepared by: Bryan L. Luke, PE, CBBEL 04/18/11 (updates 11/17/11, 03/28/12, 03/27/15) and Bill McKenna 3/31/15