

CITY OF WEST ALLIS

ENGINEERING DEPARTMENT

PROPOSED 5-YEAR PAVING PROGRAM

2009 TO 2013

**MICHAEL LEWIS, P.E.
CITY ENGINEER**

January 2008

2009
CITY OF WEST ALLIS
ENGINEERING DEPARTMENT
5 YEAR PROGRAM - 2009 TO 2013

January 5, 2008

LOCATION	PAVEMENT TYPE	PAVEMENT LENGTH (FT.)	COST/FT.	PAVING COST	STREET LIGHTING	ASSESSMENTS & OTHER FUNDS	NET COST
STREETS							
S. 77 St.: Union Pacific to W. Hicks St.	Reconstruct - Conc.	264	200	53,000	8,000	21,000	40,000
S. 72 St.: W. Kinnickinnic River Parkway to W. Bennett Ave.	Minor Resurface	370	100	37,000	2,000	20,000	19,000
S. Orleans Ave.: S. 88 St. to W. Stuth Ave.	Concrete - New	795	200	159,000	24,000	106,000	77,000
S. 78 St.: W. Greenfield Ave. to W. National Ave.	Reconstruct - Conc.	1,954	200	391,000	59,000	157,000	293,000
S. 88 St.: W. Becher St. to W. Grant St.	Reconstruct - Conc.	898	200	180,000	27,000	72,000	135,000
W. Grant St.: S. 68 St. to S. 76 St.	Reconstruct - Conc.	2,356	200	471,000	71,000	67,000	475,000
S. 73 St.: W. Walker St. to NCL	Reconstruct - Conc.	370	200	74,000	11,000	30,000	55,000
S. 74 St.: N/O W. Walker St. to W. Washington St.	Reconstruct - Conc.	950	200	190,000	29,000	76,000	143,000
S. Wollmer Rd.: W. National Ave. to S. Root River Parkway	Minor Resurface	739	60	44,000	4,000	39,000	9,000
S. 117 St.: W. Lincoln Ave. to W. Cleveland Ave.	Major Resurface	2,640	160	422,000	13,000	176,000	259,000
S. 101 St.: W. Cleveland Ave. to W. Oklahoma Ave. Service Dr.	Minor Resurface	2,587	100	259,000	13,000	69,000	203,000
W. Oklahoma Ave. Service Dr.: S. 101 St. to S. 103 St.	Service Dr. - Resurface	317	60	19,000	2,000	6,000	15,000
W. Oklahoma Ave. Service Dr.: S. 72 St. to S. 74 St.	Service Dr. - Resurface	850	60	51,000	4,000	15,000	40,000
W. Oklahoma Ave. Service Drive: S. Stratton Dr. to S. 80 St.	Service Dr. - Resurface	560	60	34,000	3,000	10,000	27,000
WisDOT Let: S. 60 St.: North City Limits to W. Lincoln Ave. (Engineering Only) (A)	Reconstruct - Conc.			29,000		0	29,000
WisDOT Let: W. Greenfield Ave.: S. 60 St. to S. 62 St. (Engineering Only) (A)	Reconstruct - Conc.			0		0	0
WisDOT Let: W. National Ave.: S. 85 St. to S. 92 St. (Engineering Only) (B)	Reconstruct - Conc.			12,000	0	0	12,000
WisDOT Let: Zoo Interchange and I-94 (Engineering Only) (C)	Reconstruct			0		0	0
STREETS SUBTOTAL				2,425,000	270,000	864,000	1,831,000
ALLEYS							
Alleys	5 Alleys			262,000	0	116,000	146,000
S. 54 St. - S. 55 St.: W. Lincoln Ave. - W. Hayes Ave.	18' Conc. Alley	784	95	74,000	0	37,000	37,000
S. 55 St. - S. 56 St.: W. Lincoln Ave. - W. Hayes Ave.	18' Conc. Alley	716	95	68,000	0	33,000	35,000
S. 71 St. - S. 72 St.: W. Lincoln Ave. - W. Stuth Pl.	20' Conc. Alley	540	100	54,000	0	27,000	27,000
S. 72 St. - S. 73 St.: W. Becher St. - W. Rogers St.	14' Conc. Alley	600	85	51,000	0	25,000	26,000
S. 77 St. - S. 78 St.: W. Hicks St. - W. Rogers St.	14' Conc. Alley	460	85	39,000	0	19,000	20,000
S. 74 St. - S. 75 St.: W. Becher St. - W. Grant St.	14' Conc. Alley	594	85	50,000	0	24,000	26,000
S. 80 St. - S. 81 St.: W. Grant St. - W. Lincoln Ave.	15' Conc. Alley	376	85	32,000	0	16,000	16,000
S. 56 St. - S. 57 St.: W. Beloit Rd. - W. Burnham St.	14' Conc. Alley	331	85	28,000	0	14,000	14,000
S. 78 St. - S. 79 St.: W. Rogers St. - W. Becher St.	16' Conc. Alley	600	90	54,000	0	26,000	28,000
S. 89 St. - S. 90 St.: W. Vincent Pl. - W. Orchard St.	15' Conc. Alley	480	90	43,000	0	21,000	22,000
S. 94 St. - S.95 St.: W. Dakota St. - W. Manitoba St.	Resurf. 20' Conc. Alley	599	30	18,000	0	15,000	3,000
ALLEYS SUBTOTAL				773,000	0	373,000	400,000
OTHER MAJOR PROJECTS							
10 Year Sidewalk Program				300,000	5,000	100,000	205,000
Pavement Patching and Repair	Concrete Repair			250,000	0	0	250,000
Special Assessment Clerk Salary and Benefits				60,000		0	60,000
OTHER MAJOR PROJECTS SUBTOTAL				610,000	5,000	100,000	515,000
C.D. PROJECTS							
Cross Town Bicycle Trail (WisDOT funded SMIP)(D)	Bike Trail			132,800	0	132,800	0
STH 100 Bicycle Bridge (WisDOT funded CMAQ)(E)	Bike Bridge			32,200	0	32,200	0
WisDNR Let: Hank Aaron State Bike Trail (WisDOT funded CMAQ)(F)	Bike Trail			0	0	0	0
C.D. PROJECTS SUBTOTAL				165,000	0	165,000	0
TOTAL				3,808,000	275,000	1,337,000	2,746,000

- A - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$145,000 for four years
 B - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$57,000 for four years
 C - WisDOT Engineering Only 2007 - 2011 = \$28,000,000
 D - WisDOT Statewide Multi-modal Improvement Program (SMIP) Funds (80% of Construction Costs) = \$531,300; C.D.B.G. funds = \$132,800
 E - WisDOT Congestion Mitigation & Air Quality Program (CMAQ) Funds (80% of Construction Costs) = \$138,800; C.D.B.G. funds = \$32,200
 F - WisDOT Congestion Mitigation & Air Quality Program (CMAQ) Funds

2010
CITY OF WEST ALLIS
ENGINEERING DEPARTMENT
5 YEAR PROGRAM - 2009 TO 2013

January 5, 2008

LOCATION	PAVEMENT TYPE	PAVEMENT LENGTH (FT.)	COST/FT.	PAVING COST	STREET LIGHTING	ASSESSMENTS & OTHER FUNDS	NET COST
STREETS							
S. 76 St.: W. Cleveland Ave. to W. Oklahoma Ave.	Conc. Pave Repair	2,500	50	125,000	13,000	10,000	128,000
S. 99 St.: W. Cleveland Ave. to W. Oklahoma Ave.	Conc. Pave Repair	2,500	50	125,000	13,000	40,000	98,000
S. 85 St.: W. Becher St. to W. Grant St.	Reconstruct - Conc.	845	200	169,000	25,000	68,000	126,000
W. Rogers St.: S. 68 St. to S. 76 St.	Reconstruct - Conc.	2,400	200	480,000	72,000	64,000	488,000
W. Ohio Ave.: S. 122 St. to S. 119 St.	Reconstruct - Conc.	1,100	200	220,000	33,000	88,000	165,000
W. Holt Ave.: S. 122 St. to S. 119 St.	Reconstruct - Conc.	900	200	180,000	27,000	72,000	135,000
W. Lakefield Dr.: S. 119 St. to 264 E/O S. 119 St.	Reconstruct - Conc.	264	200	53,000	8,000	21,000	40,000
W. Lapham St.: S. 73 St. to S. 76 St.	Reconstruct - Conc.	822	200	164,000	25,000	26,000	163,000
S. 85 St.: W. Lincoln Ave. to W. Hayes Ave.	Minor Resurface	475	60	29,000	2,000	10,000	21,000
S. 86 St.: W. Lincoln Ave. to S/O W. Hayes Ave.	Minor Resurface	633	60	38,000	3,000	14,000	27,000
WisDOT Let: S. 60 St.: North City Limits to W. Lincoln Ave. (Construction Only) (A)	Reconstruct - Conc.			435,000	0	0	435,000
WisDOT Let: W. Greenfield Ave.: S. 60 St. to S. 62 St. (Construction Only) (A)	Reconstruct - Conc.			0	0	0	0
WisDOT Let: W. National Ave.: S. 85 St. to S. 92 St. (Engineering Only) (B)	Reconstruct - Conc.			12,000	0	0	12,000
WisDOT Let: W. Oklahoma Ave.: S. 76 St. to S. 108 St. (Engineering Only) (C)	Major Resurface			0	0	0	0
WisDOT Let: Zoo Interchange and I-94 (Engineering Only) (D)	Reconstruct			0	0	0	0
STREETS SUBTOTAL				2,030,000	221,000	413,000	1,838,000
ALLEYS							
Alleys	13 Alleys			800,000	0	400,000	400,000
ALLEYS SUBTOTAL				800,000	0	400,000	400,000
OTHER MAJOR PROJECTS							
10 Year Sidewalk Program				300,000	0	100,000	200,000
Pavement Patching and Repair	Concrete Repair			250,000	0	0	250,000
Special Assessment Clerk Salary and Benefits				60,000	0	0	60,000
OTHER MAJOR PROJECTS SUBTOTAL				610,000	0	100,000	510,000
C.D. PROJECTS							
				0			0
TOTAL				3,440,000	221,000	913,000	2,748,000

- A - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$3,680,000; Assessments = \$430,000 in 2010 after completion of a 2 year contract
 B - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$57,000 for four years
 C - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$485,000; Milwaukee County funds (20%) = \$121,300
 D - WisDOT Engineering Only 2007 - 2011 = \$28,000,000

2011
CITY OF WEST ALLIS
ENGINEERING DEPARTMENT
5 YEAR PROGRAM - 2009 TO 2013

January 5, 2008

LOCATION	PAVEMENT TYPE	PAVEMENT LENGTH (FT.)	COST/FT.	PAVING COST	STREET LIGHTING	ASSESSMENTS & OTHER FUNDS	NET COST
STREETS							
S. 77 St.: W. Greenfield Ave. to W. National Ave.	Reconstruct - Conc.	1,848	200	370,000	55,000	148,000	277,000
S. 85 St.: W. Washington St. to W. Greenfield Ave.	Reconstruct - Conc.	1,214	200	243,000	36,000	97,000	182,000
S. 116 St.: W. Rogers St. to W. Lincoln Ave.	Major Resurface	2,110	160	338,000	11,000	176,000	173,000
S. 76 St.: North City Limits to W. Greenfield Ave.	Major Resurface	2,700	175	473,000	14,000	180,000	307,000
S. 68 St.: W. Lincoln Ave. to W. Arthur Ave.	Major Resurface	1,430	160	229,000	7,000	72,000	164,000
W. National Ave.: S. 67 St. to S. 70 St.	Major Resurface	1,200	200	240,000	36,000	40,000	236,000
W. Mitchell St.: S. 108 St. to 860' W/O S. 108 St.	Major Resurface	860	175	151,000	4,000	23,000	132,000
S. 77 St.: W. Grant St. to W. Lincoln Ave.	Minor Resurface	528	60	32,000	3,000	28,000	7,000
S. 80 St.: W. Grant St to 581' N/O W. Grant St.	Minor Resurface	581	60	35,000	3,000	31,000	7,000
S. 87 St.: W. Greenfield Ave. to W. Lapham St.	Reconstruct - Conc.	1,162	200	232,000	35,000	93,000	174,000
WisDOT Let: S. 60 St.: North City Limits to W. Lincoln Ave. (Construction Only) (A)	Reconstruct - Conc.			485,000		430,000	55,000
WisDOT Let: W. Greenfield Ave.: S. 60 St. to S. 62 St. (Construction Only) (A)	Reconstruct - Conc.			0		0	0
WisDOT Let: W. National Ave.: S. 85 St. to S. 92 St. (Construction Only) (B)	Reconstruct - Conc.			300,000	0	175,000	125,000
WisDOT Let: W. Greenfield Ave.: IH-894 to S. 124 St. (Construction Only) (C)	Major Resurface			0	0	0	0
WisDOT Let: W. Oklahoma Ave.: S. 76 St. to S. 108 St. (Engineering Only) (D)	Major Resurface			0	0	0	0
WisDOT Let: Zoo Interchange and I-94 (Engineering Only) (E)	Reconstruct			0	0	0	0
STREETS SUBTOTAL				3,128,000	204,000	1,493,000	1,839,000
ALLEYS							
Alleys	10 Alleys			506,000	10,000	116,000	400,000
ALLEYS SUBTOTAL				506,000	10,000	116,000	400,000
OTHER MAJOR PROJECTS							
10 Year Sidewalk Program				300,000	5,000	100,000	200,000
Pavement Patching and Repair	Concrete Repair			250,000	0	0	250,000
Special Assessment Clerk Salary and Benefits				60,000		0	60,000
OTHER MAJOR PROJECTS SUBTOTAL				610,000	5,000	100,000	510,000
C.D. PROJECTS							
				0			0
TOTAL				4,244,000	219,000	1,709,000	2,749,000

- A - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$3,680,000; Assessments = \$430,000 in 2010 after completion of a 2 year contract
 B - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$1,200,000; Assessments = \$175,000
 C - WisDOT State Trunk Highway Funds
 D - WisDOT Surface Transportation Program (STP) Funds (80% of total cost) = \$485,000; Milwaukee County funds (20%) = \$121,300
 E - WisDOT Engineering Only 2007 - 2011 = \$28,000,000

2012
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January 5, 2008

LOCATION	PAVEMENT TYPE	PAVEMENT LENGTH (FT.)	COST/FT.	PAVING COST	STREET LIGHTING	ASSESSMENTS & OTHER FUNDS	NET COST
STREETS							
W. Greenfield Ave.: S. 56 St. to S. 60 St.	Major Resurface	1,200	175	210,000	6,000	32,000	184,000
S. 62 St.: W. Beloit Rd. to W. Lincoln Ave.	Minor Resurface	1,470	100	147,000	7,000	79,000	75,000
S. 59 St.: W. Greenfield Ave. to W. Burnham St.	Reconstruct - Conc.	2,429	200	486,000	73,000	195,000	364,000
S. 89 St.: W. Becher St. to W. Lincoln Ave.	Reconstruct - Conc.	1,320	200	264,000	40,000	106,000	198,000
W. Rogers St.: S. 92 St. to E/O S. 89 St.	Reconstruct - Conc.	1,270	200	254,000	38,000	41,000	251,000
S. 63 St.: W. Beloit Rd. to W. Lincoln Ave.	Minor Resurface	1,100	100	110,000	6,000	59,000	57,000
S. 101 St.: W. Greenfield Avenue to 158' S/O W. Maple St.	Major Resurface	2,166	175	379,000	11,000	58,000	332,000
S. 90 St.: W. National Ave. to W. Lincoln Ave.	Reconstruct - Conc.	1,150	200	230,000	35,000	92,000	173,000
W. Cleveland Ave.: S. 101 St. to W. National Ave.	Major Resurface	1,900	160	304,000	10,000	127,000	187,000
WisDOT Let: W. Oklahoma Ave.: S. 76 St. to S. 108 St. (Construction Only) (A)	Major Resurface			0		0	0
WisDOT Let: Zoo Interchange and I-94 (Construction Only) (B)	Reconstruct			0		0	0
STREETS SUBTOTAL				2,384,000	226,000	789,000	1,821,000
ALLEYS							
Alleys	10 Alleys			506,000	10,000	116,000	400,000
ALLEYS SUBTOTAL				506,000	10,000	116,000	400,000
OTHER MAJOR PROJECTS							
10 Year Sidewalk Program				300,000	0	100,000	200,000
Pavement Patching and Repair	Concrete Repair			250,000	0	0	250,000
Special Assessment Clerk Salary and Benefits				60,000	0	0	60,000
OTHER MAJOR PROJECTS SUBTOTAL				610,000	0	100,000	510,000
C.D. PROJECTS							
				0			0
TOTAL				3,500,000	236,000	1,005,000	2,731,000

A - WisDOT Surface Transportation Program (STP) Funds (80% of total cost); Milwaukee County funds (20%)

B - WisDOT Construction Only: 2012 - 2016 = \$2,600,000,000 including removal of 6 residences and 1 commercial structure in West Allis

2013
CITY OF WEST ALLIS
ENGINEERING DEPARTMENT
5 YEAR PROGRAM - 2009 TO 2013

January 5, 2008

LOCATION	PAVEMENT TYPE	PAVEMENT LENGTH (FT.)	COST/FT.	PAVING COST	STREET LIGHTING	ASSESSMENTS & OTHER FUNDS	NET COST
STREETS							
S. 82 St.: W. Orchard St. to W. National Ave.	Reconstruct - Conc.	1,637	200	327,000	49,000	131,000	245,000
W. Washington St.: S. 70 St. to S. 77 St.	Reconstruct - Conc.	2,000	200	400,000	60,000	64,000	396,000
W. Schlinger Ave.: S. 89 St. to S. 92 St.	Major Resurface	951	175	166,000	5,000	64,000	107,000
City of Milwaukee Let: W. Schlinger Ave.: S. 84 St. to S. 89 St. (A)	Major Resurface		0	0	0	0	0
W. Burnham St.: S. 82 St. to S. 84 St.	Minor Resurface	528	60	32,000	3,000	28,000	7,000
S. 119 St.: W. Oklahoma Ave. to W. Ohio Ave.	Reconstruct - Conc.	1,426	200	285,000	43,000	114,000	214,000
W. Euclid Ave.: S. Villa Ct. to S. 119 St.	Reconstruct - Conc.	264	200	53,000	8,000	21,000	40,000
W. Lakefield Ave.: S. 119 St. to S. 122 St.	Reconstruct - Conc.	898	200	180,000	27,000	72,000	135,000
W. Montana Ave.: W. 84 St. to S. 88 St.	Reconstruct - Conc.	1,478	200	296,000	44,000	119,000	221,000
S. 85 St.: W. Montana Ave. to S. Osage Ave.	Concrete - New	1,003	200	201,000	30,000	134,000	97,000
S. 86 St.: W. Cleveland Ave. to S. Osage Ave.	Concrete - New	1,057	200	211,000	32,000	141,000	102,000
S. Dakota Ave.: S. Osage Ave. to S. Orleans Ave.	Concrete - New	686	200	137,000	21,000	92,000	66,000
S. 96 St.: W. Greenfield Ave. to W. Lapham St.	Minor Resurface	1,320	100	132,000	7,000	71,000	68,000
S. 94 St.: W. Greenfield Ave. to W. Lapham St.	Minor Resurface	1,320	100	132,000	7,000	71,000	68,000
S. 97 St.: W. Greenfield Ave. to W. Lapham St.	Minor Resurface	1,320	100	132,000	7,000	71,000	68,000
WisDOT Let: W. Oklahoma Ave.: S. 76 St. to S. 108 St. (Construction Only) (B)	Major Resurface			0		0	0
WisDOT Let: Zoo Interchange and I-94 (Construction Only) (C)	Reconstruct			0		0	0
STREETS SUBTOTAL				2,684,000	343,000	1,193,000	1,834,000
ALLEYS							
Alleys	13 Alleys			506,000	10,000	116,000	400,000
ALLEYS SUBTOTAL				506,000	10,000	116,000	400,000
OTHER MAJOR PROJECTS							
10 Year Sidewalk Program	Sidewalk			300,000	5,000	100,000	200,000
Pavement Patching and Repair	Concrete Repair			250,000	0	0	250,000
Special Assessment Clerk Salary and Benefits				60,000		0	60,000
OTHER MAJOR PROJECTS SUBTOTAL				610,000	5,000	100,000	510,000
C.D. PROJECTS							
				0			0
TOTAL				3,800,000	358,000	1,409,000	2,744,000

A - Cooperative project with City of Milwaukee

B - WisDOT Surface Transportation Program (STP) Funds (80% of total cost); Milwaukee County funds (20%)

C - WisDOT Construction Only: 2012 - 2016 = \$2,600,000,000 including removal of 6 residences and 1 commercial structure in West Allis