

FACILITIES MAINTENANCE MANAGEMENT

ROAD & PARKING LOT PAVING, life cycle cost analysis

Projected Inflation Per Year

3.50%

Area	DESCRIPTION	Yr Completed	SqFt	Est Total Replacement Cost Based on Yr 2010	Life Cycle (yrs)	Est Annual Replacement Cost	Est Replacement Cost	Est Replacement Cost	Est Replacement Cost	Est Replacement Cost	Est Replacement Cost	Est Replacement Cost
							2020	2021	2022	2023	2024	2025
3a	West Parking Area Tray A	2015	17,154.35	\$176,200	20	\$8,810	\$0	\$0	\$0	\$0	\$0	\$0
3b	West Parking Area Tray B	2015	22,323.42	\$229,294	20	\$11,465	\$0	\$0	\$0	\$0	\$0	\$0
3c	West Parking Area Tray C	2015	21,854.40	\$224,476	20	\$11,224	\$0	\$0	\$0	\$0	\$0	\$0
3d	West Parking Area Tray D	2015	21,385.71	\$219,662	20	\$10,983	\$0	\$0	\$0	\$0	\$0	\$0
3e	West Parking Area Tray E	2015	22,679.50	\$232,951	20	\$11,648	\$0	\$0	\$0	\$0	\$0	\$0
3f	West Parking Area Tray F	2015	22,396.49	\$230,044	20	\$11,502	\$0	\$0	\$0	\$0	\$0	\$0
3g	West Parking Area Tray G	2015	22,300.70	\$229,060	20	\$11,453	\$0	\$0	\$0	\$0	\$0	\$0
3h	West Parking Area Tray H	2015	21,714.80	\$223,042	20	\$11,152	\$0	\$0	\$0	\$0	\$0	\$0
3i	West Parking Area Tray I	2015	21,877.14	\$224,710	20	\$11,235	\$0	\$0	\$0	\$0	\$0	\$0
3j	West Parking Area Tray J	2015	22,308.48	\$229,140	20	\$11,457	\$0	\$0	\$0	\$0	\$0	\$0
3k	West Parking Area Tray K	2015	22,057.36	\$226,561	20	\$11,328	\$0	\$0	\$0	\$0	\$0	\$0
4	West Parking Area (South End)	2005	79,801.45	\$819,676	20	\$40,984	\$0	\$0	\$0	\$0	\$0	\$0
17	Northwest Parking Area	1990	106,152.32	\$1,090,338	26	\$41,936	\$1,128,499	\$0	\$0	\$0	\$0	\$0
15a	Dorm Parking Area	1969	8,229.25	\$84,526	47	\$1,798	\$87,485	\$0	\$0	\$0	\$0	\$0
15b	Dormitory Access Drive	1969	10,074.10	\$103,476	47	\$2,202	\$107,097	\$0	\$0	\$0	\$0	\$0
2a	South West Parking Tray A	2008	9,505.74	\$97,638	14	\$6,974	\$0	\$0	\$0	\$112,041	\$0	\$0
2b	South West Parking Tray B	2008	36,674.52	\$376,700	14	\$26,907	\$0	\$0	\$0	\$432,272	\$0	\$0
2c	South West Parking Tray C	2008	36,541.15	\$375,330	14	\$26,809	\$0	\$0	\$0	\$430,700	\$0	\$0
2d	South West Parking Tray D	2008	32,689.63	\$335,770	14	\$23,984	\$0	\$0	\$0	\$385,303	\$0	\$0
2e	South West Parking Road	2008	45,688.05	\$469,282	14	\$33,520	\$0	\$0	\$0	\$538,512	\$0	\$0
1a	South East Parking Tray A	2008	10,766.99	\$110,593	14	\$7,899	\$0	\$0	\$0	\$126,907	\$0	\$0
1b	South East Parking Tray B	2008	63,049.96	\$647,614	14	\$46,258	\$0	\$0	\$0	\$743,152	\$0	\$0
1c	South East Parking Tray C	2008	61,698.73	\$633,735	14	\$45,267	\$0	\$0	\$0	\$727,226	\$0	\$0
1d	South East Parking Road	2008	48,516.96	\$498,339	14	\$35,596	\$0	\$0	\$0	\$571,856	\$0	\$0

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5a	East Parking Area Tray A	2013	24,360.00	\$250,212	20	\$12,511	\$0	\$0	\$0	\$0	\$0	\$0
5b	East Parking Area Tray B	2013	24,691.00	\$253,612	20	\$12,681	\$0	\$0	\$0	\$0	\$0	\$0
5c	East Parking Area Tray C	2013	24,920.00	\$255,964	20	\$12,798	\$0	\$0	\$0	\$0	\$0	\$0
5d	East Parking Area Tray D	2013	24,977.00	\$256,550	20	\$12,827	\$0	\$0	\$0	\$0	\$0	\$0
5e	East Parking Area Tray E	2013	24,830.00	\$255,040	20	\$12,752	\$0	\$0	\$0	\$0	\$0	\$0
5f	East Parking Area Tray F	2013	24,831.00	\$255,050	20	\$12,753	\$0	\$0	\$0	\$0	\$0	\$0
5g	East Parking Area Tray G	2013	25,620.00	\$263,154	20	\$13,158	\$0	\$0	\$0	\$0	\$0	\$0
5h	East Parking Area Tray H	2013	21,389.00	\$219,696	20	\$10,985	\$0	\$0	\$0	\$0	\$0	\$0
5i	East Parking Area Tray I	2013	25,846.00	\$265,476	20	\$13,274	\$0	\$0	\$0	\$0	\$0	\$0
6	East Parking Area (South End)	2008	100,974.00	\$1,037,149	14	\$74,082	\$0	\$0	\$0	\$1,190,152	\$0	\$0
16	East Parking Area (North End)	2003	61,922.00	\$636,028	20	\$31,801	\$0	\$0	\$0	\$0	\$755,402	\$0
19a	Boiler House Parking Area	2003	17,444.45	\$179,180	30	\$5,973	\$0	\$0	\$0	\$0	\$0	\$0
19b	Maintenance Drive	2003	26,902.53	\$276,328	20	\$13,816	\$0	\$0	\$0	\$0	\$328,191	\$0
11a	North Campus Drive (West)	2007	10,931.74	\$112,285	20	\$5,614	\$0	\$0	\$0	\$0	\$0	\$0
11b	North Campus Drive (East)	2010	34,765.47	\$357,092	20	\$17,855	\$0	\$0	\$0	\$0	\$0	\$0
12a	East Campus Drive (North)	2010	35,533.00	\$364,975	20	\$18,249	\$0	\$0	\$0	\$0	\$0	\$0
12b	East Campus Drive (South)	2010	13,518.00	\$138,849	12	\$11,571	\$0	\$0	\$0	\$159,333	\$0	\$0
13	South Campus Drive	2010	49,997.98	\$513,551	12	\$42,796	\$0	\$0	\$0	\$589,312	\$0	\$0
14a	West Campus Drive (South)	2010	5,513.94	\$56,636	12	\$4,720	\$0	\$0	\$0	\$64,991	\$0	\$0
14b	West Campus Drive (South)	2005	10,245.05	\$105,231	20	\$5,262	\$0	\$0	\$0	\$0	\$0	\$0
14c	West Campus Drive (Mid)	2015	23,903.98	\$245,528	20	\$12,276	\$0	\$0	\$0	\$0	\$0	\$0
14d	West Campus Drive (North)	2007	12,290.32	\$126,239	20	\$6,312	\$0	\$0	\$0	\$0	\$0	\$0

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8a	Hotchkiss Drive	2000	57,403.98	\$589,622	20	\$29,481	\$0	\$631,618	\$0	\$0	\$0	\$0
8b	Hotchkiss Dr. TRN1 Parking	2000	4,427.45	\$45,476	20	\$2,274	\$0	\$48,715	\$0	\$0	\$0	\$0
8c	Hotchkiss Dr. TRN2 Parking	2000	3,175.47	\$32,617	20	\$1,631	\$0	\$34,940	\$0	\$0	\$0	\$0
10a	Delta Drive	2009	56,799.26	\$583,410	20	\$29,171	\$0	\$0	\$0	\$0	\$0	\$0
10b	Delta Drive	2008	10,305.87	\$105,856	20	\$5,293	\$0	\$0	\$0	\$0	\$0	\$0
10c	Delta Drive Parking Lot	2008	561.50	\$5,767	20	\$288	\$0	\$0	\$0	\$0	\$0	\$0
10d	Delta Drive Parking Lot	2009	18,788.28	\$192,983	20	\$9,649	\$0	\$0	\$0	\$0	\$0	\$0
9	Road to Mackinaw	2007	44,235.03	\$454,358	20	\$22,718	\$0	\$0	\$0	\$0	\$0	\$0
7	X Building Area	2010	23,243.10	\$238,740	20	\$11,937	\$0	\$0	\$0	\$0	\$0	\$0
21	Tennis Court	1991	59,526.08	\$611,419	25	\$24,457	\$632,818	\$0	\$0	\$0	\$0	\$0
20a	Farm House Drive	2000	6,194.49	\$63,626	20	\$3,181	\$0	\$68,158	\$0	\$0	\$0	\$0
20b	Farm House Parking Area	2001	21,615.32	\$222,021	20	\$11,101	\$0	\$0	\$246,158	\$0	\$0	\$0
18	Water Meter Building Area	2003	999.31	\$10,264	20	\$513	\$0	\$0	\$0	\$0	\$12,191	\$0
	Midland Center	1992	117,000.00	\$485,637	24	\$20,235	\$502,634	\$0	\$0	\$0	\$0	\$0
	Planetarium Parking Lot	1996	30,005.00	\$124,543	25	\$4,982	\$0	\$0	\$138,083	\$0	\$0	\$0
	TOTAL AREA		1,867,127.80									
	TOTAL REPLACEMENT VALUE			\$18,278,324		\$1,003,366	\$2,458,534	\$783,431	\$384,241	\$6,071,758	\$1,095,784	\$0

Main Campus	\$827,400	\$783,431	\$246,158	\$6,071,758	\$1,095,784	\$0
Midland Center	\$502,634	\$0	\$0	\$0	\$0	\$0
Bay City Planetarium	\$0	\$0	\$138,083	\$0	\$0	\$0

8/24/2000, revised 10/6/2000, revised 11/4/2001, revised 9/27/2002