

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
							2021	2022	223	2024	2025	2026
3a	West Parking Area Tray A	2015	17,154.35	\$137,235	20	\$6,862	\$0	\$0	\$0	\$0	\$0	\$0
3b	West Parking Area Tray B	2015	22,323.42	\$178,587	20	\$8,929	\$0	\$0	\$0	\$0	\$0	\$0
3c	West Parking Area Tray C	2015	21,854.40	\$174,835	20	\$8,742	\$0	\$0	\$0	\$0	\$0	\$0
3d	West Parking Area Tray D	2015	21,385.71	\$171,086	20	\$8,554	\$0	\$0	\$0	\$0	\$0	\$0
3e	West Parking Area Tray E	2015	22,679.50	\$181,436	20	\$9,072	\$0	\$0	\$0	\$0	\$0	\$0
3f	West Parking Area Tray F	2015	22,396.49	\$179,172	20	\$8,959	\$0	\$0	\$0	\$0	\$0	\$0
3g	West Parking Area Tray G	2015	22,300.70	\$178,406	20	\$8,920	\$0	\$0	\$0	\$0	\$0	\$0
3h	West Parking Area Tray H	2015	21,714.80	\$173,718	20	\$8,686	\$0	\$0	\$0	\$0	\$0	\$0
3i	West Parking Area Tray I	2015	21,877.14	\$175,017	20	\$8,751	\$0	\$0	\$0	\$0	\$0	\$0
3j	West Parking Area Tray J	2015	22,308.48	\$178,468	20	\$8,923	\$0	\$0	\$0	\$0	\$0	\$0
3k	West Parking Area Tray K	2015	22,057.36	\$176,459	20	\$8,823	\$0	\$0	\$0	\$0	\$0	\$0
4	West Parking Area (South End)	2005	79,801.45	\$638,412	20	\$31,921	\$0	\$0	\$0	\$0	\$0	\$784,771
17	Northwest Parking Area	1990	106,152.32	\$849,219	31	\$27,394	\$0	\$909,704	\$0	\$0	\$0	\$0
15a	Dorm Parking Area	1969		\$0	47	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15b	Dormitory Access Drive	1969		\$0	47	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2a	South West Parking Tray A	2008	9,505.74	\$76,046	14	\$5,432	\$0	\$0	\$0	\$87,264	\$0	\$0
2b	South West Parking Tray B	2008	36,674.52	\$293,396	14	\$20,957	\$0	\$0	\$0	\$336,679	\$0	\$0
2c	South West Parking Tray C	2008	36,541.15	\$292,329	14	\$20,881	\$0	\$0	\$0	\$335,454	\$0	\$0
2d	South West Parking Tray D	2008	32,689.63	\$261,517	14	\$18,680	\$0	\$0	\$0	\$300,097	\$0	\$0
2e	South West Parking Road	2008	45,688.05	\$365,504	14	\$26,107	\$0	\$0	\$0	\$419,425	\$0	\$0
1a	South East Parking Tray A	2008	10,766.99	\$86,136	14	\$6,153	\$0	\$0	\$0	\$98,843	\$0	\$0
1b	South East Parking Tray B	2008	63,049.96	\$504,400	14	\$36,029	\$0	\$0	\$0	\$578,810	\$0	\$0
1c	South East Parking Tray C	2008	61,698.73	\$493,590	14	\$35,256	\$0	\$0	\$0	\$566,406	\$0	\$0
1d	South East Parking Road	2008	48,516.96	\$388,136	14	\$27,724	\$0	\$0	\$0	\$445,395	\$0	\$0

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5a	East Parking Area Tray A	2013	24,360.00	\$194,880	20	\$9,744	\$0	\$0	\$0	\$0	\$0	\$0
5b	East Parking Area Tray B	2013	24,691.00	\$197,528	20	\$9,876	\$0	\$0	\$0	\$0	\$0	\$0
5c	East Parking Area Tray C	2013	24,920.00	\$199,360	20	\$9,968	\$0	\$0	\$0	\$0	\$0	\$0
5d	East Parking Area Tray D	2013	24,977.00	\$199,816	20	\$9,991	\$0	\$0	\$0	\$0	\$0	\$0
5e	East Parking Area Tray E	2013	24,830.00	\$198,640	20	\$9,932	\$0	\$0	\$0	\$0	\$0	\$0
5f	East Parking Area Tray F	2013	24,831.00	\$198,648	20	\$9,932	\$0	\$0	\$0	\$0	\$0	\$0
5g	East Parking Area Tray G	2013	25,620.00	\$204,960	20	\$10,248	\$0	\$0	\$0	\$0	\$0	\$0
5h	East Parking Area Tray H	2013	21,389.00	\$171,112	20	\$8,556	\$0	\$0	\$0	\$0	\$0	\$0
5i	East Parking Area Tray I	2013	25,846.00	\$206,768	20	\$10,338	\$0	\$0	\$0	\$0	\$0	\$0
6	East Parking Area (South End)	2019	100,974.00	\$807,792	20	\$40,390	\$0	\$0	\$0	\$0	\$0	\$0
16	East Parking Area (North End)	2003	61,922.00	\$495,376	20	\$24,769	\$0	\$0	\$0	\$568,455	\$0	\$0
19a	Boiler House Parking Area	2003	17,444.45	\$139,556	30	\$4,652	\$0	\$0	\$0	\$0	\$0	\$0
19b	Maintenance Drive	2003	26,902.53	\$215,220	20	\$10,761	\$0	\$0	\$0	\$246,970	\$0	\$0
11a	North Campus Drive (West)	2007	10,931.74	\$87,454	20	\$4,373	\$0	\$0	\$0	\$0	\$0	\$0
11b	North Campus Drive (East)	2010	34,765.47	\$278,124	20	\$13,906	\$0	\$0	\$0	\$0	\$0	\$0
12a	East Campus Drive (North)	2010	35,533.00	\$284,264	20	\$14,213	\$0	\$0	\$0	\$0	\$0	\$0
12b	East Campus Drive (South)	2019	13,518.00	\$108,144	20	\$5,407	\$0	\$0	\$0	\$0	\$0	\$0
13	South Campus Drive	2019	49,997.98	\$399,984	20	\$19,999	\$0	\$0	\$0	\$0	\$0	\$0
14a	West Campus Drive (South)	2019	5,513.94	\$44,112	20	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0
14b	West Campus Drive (South)	2005	10,245.05	\$81,960	20	\$4,098	\$0	\$0	\$0	\$0	\$0	\$100,750
14c	West Campus Drive (Mid)	2015	23,903.98	\$191,232	20	\$9,562	\$0	\$0	\$0	\$0	\$0	\$0
14d	West Campus Drive (North)	2007	12,290.32	\$98,323	20	\$4,916	\$0	\$0	\$0	\$0	\$0	\$0

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8a	Hotchkiss Drive	2000	57,403.98	\$459,232	20	\$22,962	\$475,305	\$0	\$0	\$0	\$0	\$0
8b	Hotchkiss Dr. TRN1 Parking	2000	4,427.45	\$35,420	20	\$1,771	\$36,659	\$0	\$0	\$0	\$0	\$0
8c	Hotchkiss Dr. TRN2 Parking	2000	3,175.47	\$25,404	20	\$1,270	\$26,293	\$0	\$0	\$0	\$0	\$0
10a	Delta Drive	2009	56,799.26	\$454,394	20	\$22,720	\$0	\$0	\$0	\$0	\$0	\$0
10b	Delta Drive	2008	10,305.87	\$82,447	20	\$4,122	\$0	\$0	\$0	\$0	\$0	\$0
10c	Delta Drive Parking Lot	2008	561.50	\$4,492	20	\$225	\$0	\$0	\$0	\$0	\$0	\$0
10d	Delta Drive Parking Lot	2009	18,788.28	\$150,306	20	\$7,515	\$0	\$0	\$0	\$0	\$0	\$0
9	Road to Mackinaw	2007	44,235.03	\$353,880	20	\$17,694	\$0	\$0	\$0	\$0	\$0	\$0
7	X Building Area	2010	23,243.10	\$185,945	20	\$9,297	\$0	\$0	\$0	\$0	\$0	\$0
21	Tennis Court	1991	59,526.08	\$476,209	25	\$19,048	\$492,876	\$0	\$0	\$0	\$0	\$0
20a	Farm House Drive	2019	6,194.49	\$49,556	20	\$2,478	\$0	\$0	\$0	\$0	\$0	\$0
20b	Farm House Parking Area	2001	21,615.32	\$172,923	20	\$8,646	\$0	\$185,239	\$0	\$0	\$0	\$0
18	Water Meter Building Area	2003	999.31	\$7,994	20	\$400	\$0	\$0	\$0	\$9,174	\$0	\$0
	Midland Center	1992	0.00	\$0	24	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Planetarium Parking Lot	1996	30,005.00	\$124,543	25	\$4,982	\$0	\$133,414	\$0	\$0	\$0	\$0
TOTAL AREA			1,731,824.45									
TOTAL REPLACEMENT VALUE				\$13,739,099		\$722,720	\$1,031,133	\$1,228,357	\$0	\$3,992,972	\$0	\$885,521

Main Campus	\$1,031,133	\$1,094,943	\$0	\$3,992,972	\$0	\$885,521
Midland Center	\$0	\$0	\$0	\$0	\$0	\$0
Bay City Planetarium	\$0	\$133,414	\$0	\$0	\$0	\$0

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