Name	From	To	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	M-HH
PHILLIP DR	ADRIAN AVE	STA. 3+20	4	4	320	320	1280	1280		
PHILLIP DR	CUL-DE-SAC 3+72	CUL-DE-SAC 3+72	4	4	374	374	1496	1496		
PINE ST	HARRIS ST.	ALLEY NO. 18&19	0	0	0	0	0	0		
PINE ST	ALLEY NO. 18&19	DODGE ST.	0	0	0	0	0	0		
PINE ST	ALLEY NO. 22&23	HARRIS ST.	0	0	0	0	0	0		
PINE ST	CHERRY ST.	ALLEY NO.22&23	0	0	0	0	0	0		
PINE ST	DODGE ST.	ELM ST.	4	0	362	0	1448	0		
PIONEER AVE	PROSPECT ST. N.	PEARL ST. N.	4	4	421	421	1684	1684		
PIONEER AVE	PEARL ST. N.	MANTUA ST. N.	4	4	1014	1014	4056	4056		
PLEASENT AVE	MANTUA ST. N.	E. END OF STREET	4	4	557	557	2228	2228		
PLUM ST	PARK ENTRANCE	E. END	0	0	0	0	0	0		
PORTAGE ST	WATER ST. N.	DEPEYSTER ST.	4	4	494	494	1976	1976		
PRIMROSE LN	CUL-DE-DAC 2+31	CUL-DE-SAC 2+31	4	4	183.2381	183.2381	732.9524	732.9524		
PRIMROSE LN	CUL-DE-SAC 6+11	CUL-DE-SAC 6+11	4	4	183.2381	183.2381	732.9524	732.9524		
PRIMROSE LN	CUL-DE-SAC 4+16	CUL-DE-SAC 4+16	4	4	183.2381	183.2381	732.9524	732.9524		
PRIMROSE LN	CUL-DE-SAC 9+41	CUL-DE-SAC 9+41	4	4	183.2381	183.2381	732.9524	732.9524		
PRIMROSE LN	STA. 1+97	S LINCOLN ST	4	4	197	197	788	788		
PRIMROSE LN	STA. 3+83	STA. 2+63	4	4	120	120	480	480		
PRIMROSE LN	STA. 5+72	STA. 4+49	4	4	123	123	492	492		
PRIMROSE LN	STA. 9+08	STA. 6+44	4	4	264	264	1056	1056		
PROSPECT ST N	MAIN ST. W.	PIONEER AVE.	4	4	633	633	2532	2532		
PROSPECT ST N	PIONEER AVE.	PARK AVE.	4	4	358	358	1432	1432		
PROSPECT ST N	PARK AVE.	LOWELL DR.	4	4	54	54	216	216		
PROSPECT ST S	S.R. 59 BYPASS	MAIN ST. W.	4	4	983	983	3932	3932		
QUAY BLVD	S. CUL-DE-SAC	FAIRCHILD AVE.	0	0	0	0	0	0		
RANDALL DR	FAIRCHILD AVE.	CUYAHOGA ST.	0	0	0	0	0	0		
RANDALL DR	CUYAHOGA ST.	STINAFF ST.	0	0	0	0	0	0		
RED FERN CL	CUL-DE-SAC 32+50	CUL-DE-SAC 32+50	4	4	374	374	1496	1496		
RED FERN CL	STONEWATER DR	STA. 32+00	4	4	200	200	800	800		
RELLIM DR	LINCOLN ST. S.	MORRIS RD.	4	4	782	782	3128	3128		
RELLIM DR	VINE ST.	LINCOLN ST. S.	4	4	926	926	3704	3704		
RELLIM DR	WATER ST. S.	VINE ST.	4	4	522	522	2088	2088		
RHODES RD	LOOP RD.	GLAD BOULEVARD	0	0	0	0	0	0		
RHODES RD	GLAD BOULEVARD	EAST CORP LIMIT	0	0	0	0	0	0		
RIVER BEND BLVD	MANTUA ST. N.	BEGIN TAPER (ENTRANCE EI	4	4	416	416	1664	1664		
RIVER BEND BLVD	BEGIN TAPER	RIVER PARK DR	4	4	334	334	1336	1336		
RIVER BEND BLVD	RIVER TRAIL DR.	RIVER EDGE DR.	4	4	446	446	1784	1784		
RIVER BEND BLVD	RIVER PARK DR.	RIVER TRAIL DR.	4	4	418	418	1672	1672		
RIVER BEND BLVD	RIVER EDGE DR.	PAVEMENT CHANGE	4	4	430	430	1720	1720		
RIVER BEND BLVD	MANTUA ST. N.	BEGIN TAPER (EXIT WB)	4	4	410	410	1640	1640		
RIVER BEND BLVD	BEECHWOLD DR.	END	4	4	897	897	3588	3588		

Name	From	70	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	PHP-W
RIVER BEND BLVD	END DIVIDE	BEECHWOLD DR.	4	4	596	969	2384	2384		
RIVER BEND BLVD	ENTER EAST OF BRIDGE	RUSTIC BRIDGE DR.	4	4	292	292	2268	2268		
RIVER BEND BLVD	PAVEMENT CHANGE	E. OF BRIDGE	4	4	297	297	1188	1188		
RIVER BEND BLVD	RUSTIC BRIDGE DR.	END DIVIDE	4	4	292	292	2268	2268		
RIVER EDGE DR	RIVER BEND BLVD.	RIVER TRAIL DR.	4	4	1182	1182	4728	4728		
RIVER EDGE DR	RIVER TRAIL DR.	D NEAD END	4	4	153	153	612	612		
RIVER PARK DR	RIVER BEND BLVD.	N. END	4	4	672	672	2688	2688		
RIVER ST	S.R. 59	MAIN ST. W.	4	4	1137	1137	4548	4548		
RIVER TRAIL DR	RIVER BEND BLVD.	RIVER EDGE DR.	4	4	1037	1037	4148	4148		
RIVERSIDE CT	MANTUA ST. N.	E. END	4	4	315	315	1260	1260		
ROBERT DR	DELORES DR.	HUDSON RD.	0	0	0	0	0	0		
ROBERT DR	VERONA AVE.	DELORES DR.	0	0	0	0	0	0		
ROCKWELL ST	WOODWARD AVE.	MANTUA ST. N.	4	4	1137	1137	4548	4548		
ROCKWELL ST	MANTUA ST. N.	GOUGLER AVE.	4	4	90	90	200	200		
ROLLINS CIR	WHETSTONE DR.	N. END(CUL-DE-SAC)	4	4	196	196	784	784		
ROOSEVELT AVE	MEREDITH ST.	LEONARD BLVD.	4	4	324	324	1296	1296		
ROOSEVELT AVE	JESSIE AVE.	ELNO AVE.	0	0	0	0	0	0		
ROOSEVELT AVE	MUNROE FALLS-KENT RD.	JESSIE AVE.	0	0	0	0	0	0		
ROOSEVELT AVE	NORWOOD ST.	MEREDITH ST.	0	0	0	0	0	0		
ROOSEVELT AVE	GARDENVIEW ST.	NORWOOD ST.	0	0	0	0	0	0		
ROOSEVELT AVE	ELNO AVE.	GARDENVIEW ST.	0	0	0	0	0	0		
ROSCOE DR	HUDSON RD.	ALLEY NO. 28	0	0	0	0	0	0		
ROY MARSH DR	W. END (CUL-DE-SAC)	FIELDSTONE DR.	4	4	409	409	1636	1636		
ROY MARSH DR	FIELDSTONE DR.	ADMORE DR.	4	4	290	290	1160	1160		
ROY MARSH DR	ADMORE DR.	HIGH RIDGE LANE	4	4	431	431	1724	1724		
ROY MARSH DR	HIGH RIDGE LANE	STONEWATER DR	4	4	265	265	2388	2388		
RUSTIC BRIDGE DR	RIVERBEND BLVD.	N CUL-DE-SAC	4	4	264	264	1056	1056		
RUSTIC KNOLL DR	W CUL-DE-SAC	BEECHWOLD DR.	4	4	574	574	2296	2296		
SAINT CLAIR AVE	S. END (CUL-DE-SAC)	MARTINEL DR.	0	0	0	0	0	0		
SAINT CLAIR AVE	MARTINEL DR.	CHERRY ST.	0	0	0	0	0	0		
SCHOOL ST E	MAE ST.	E. END	4	4	134	134	536	536		
SCHOOL ST E	MORRIS RD.	MAE ST.	4	4	345	345	1380	1380		
SCHOOL ST E	LINCOLN ST.	MORRIS RD.	4	4	782	782	3128	3128		
SCHOOL ST E	WATER ST. S.	VINE ST.	4	4	918	918	3672	3672		
SCHOOL ST E	VINE ST.	WILLOW ST.	4	4	367	367	1468	1468		
SCHOOL ST E	WILLOW ST.	LINCOLN ST.	4	4	556	929	2224	2224		
SCHOOL ST W	FRANKLIN AVE.	WATER ST. S.	4	4	651	651	2604	2604	1302	5208
SHADY LAKES DR.	SUNSET WAY BLVD.	E. END(CUL-DE-SAC)	4	4	1197	1197	4788	4788		
SHERI DR	W. END	SUNRISE BLVD.	4	4	327	327	1308	1308		
SHERMAN ST	EAST MAIN ST.	CRAIN AVE.	4	4	701	701	2804	2804		
SHOREWOOD CI	WINDWARD LN.	N CUL-DE-SAC	4	4	194	194	276	922		

Name	From	70	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	PHP-W
SHORT ST	GROVE AVE.	MAIN ST. W.	4	4	404	404	1616	1616		
SILVER MEADOWS BLVD.	SUZANNE DR.	SPAULDING DR.	4	4	830	830	3320	3320	1660	6640
SILVER MEADOWS BLVD.	CAROL DR.	ANITA DR.	4	4	786	786	3144	3144	1572	6288
SILVER MEADOWS BLVD.	SPAULDING DR.	GARTH DR.	4	4	1057	1057	4228	4228	2114	8456
SILVER MEADOWS BLVD.	ANITA DR.	FAIRCHILD AVE.	4	4	1488	1488	5952	5952	2976	11904
SILVER MEADOWS BLVD.	DENISE DR.	CAROL DR.	4	4	361	361	1444	1444	722	2888
SILVER MEADOWS BLVD.	GARTH DR.	DENISE DR.	4	4	366	366	1464	1464	732	2928
SPAULDING DR	MAIN ST.	SILVER MEADOWS BLVD.	4	4	1060	1060	4240	4240	2120	8480
SPAULDING DR	SILVER MEADOWS BLVD.	GARTH DR.	4	4	971	971	3884	3884	1942	7768
STANDING ROCK AVE	MANTUA ST. N.	E. END OF R/W	0	0	0	0	0	0		
STARR AVE	LOCK ST.	MARVIN ST.	0	0	0	0	0	0		
STATE ROUTE 261	BRIM. TWP CORP LIMIT 1	MOGADORE RD.	0	0	0	0	0	0	0	0
STATE ROUTE 261	BRIM. TWP. CORP LIMIT 1	MOGADORE RD.	0	0	0	0	0	0	0	0
STATE ROUTE 261	MOGADORE RD.	FRANKLIN AVE.	0	0	0	0	0	0	0	0
STATE ROUTE 261	MOGADORE RD.	SUNNYBROOK RD.	0	0	0	0	0	0	0	0
STATE ROUTE 261	SUNNYBROOK RD.	WATER ST. S.	0	0	0	0	0	0	0	0
STATE ROUTE 261	CHERRY ST.	CORP. LIMIT	0	0	0	0	0	0	0	0
STATE ROUTE 261	W. CORP. LIMIT	CHERRY ST.	0	0	0	0	0	0	0	0
STATE ROUTE 261	CAMPUS CENTER DR.	W. CORP. LIMIT	0	0	0	0	0	0	0	0
STATE ROUTE 261	FRANKLIN AVE.	WATER ST.	0	0	0	0	0	0	0	0
STATE ROUTE 261	SUMMIT ST.	N. CORP. LIMIT	0	0	0	0	0	0	0	0
STATE ROUTE 261	WATER ST. S.	CAMPUS CENTER DR. WB	0	0	0	0	0	0	0	0
STATE ROUTE 261	WATER ST. S.	CAMPUS CENTER DR. EB	0	0	0	0	0	0	0	0
STATE ROUTE 261	CAMPUS CENTER DR.	W. CORP. LIMIT	0	0	0	0	0	0	0	0
STATESMAN PL	CURRIE HALL PKWY.	N. END (CUL-DE-SAC)	4	4	646	646	2584	2584		
STEELE ST	MILLER AVE.	DANSEL ST.	4	4	328	328	1312	1312		
STEELE ST	DANSEL ST.	HARVEY ST.	4	4	332	332	1328	1328		
STINAFF ST E	HUDSON RD.	MANTUA ST. N.	4	4	926	956	3824	3824		
STINAFF ST W	RANDALL DR.	HAROLD ST.	0	0	0	0	0	0		
STINAFF ST W	MAJORS LN.	RANDALL DR.	0	0	0	0	0	0		
STONEWATER DR	EDGEWATER CL.	FAIRCHILD AVE.	4	4	162	162	648	648		
STONEWATER DR	ROY MARSH DR.	EDGEWATER CL.	4	4	416	416	1664	1664		
STONEWATER DR	W_MAIN ST	NORTH END@PUMP STATION	4	4	1444	1444	5776	9229		
STONEWATER DR	ADMORE DR	NATURE WOOD DR	4	4	547	547	2188	2188		
STONEWATER DR	NATURE WOOD DR	ROY MARSH DR	4	4	717	717	2868	2868		
STONEWATER DR	RED FERN CL	ADMORE DRIVE	4	4	323	323	1292	1292		
STONEWATER DR	STA. 36+49	RED FERN CL	4	4	307	307	1228	1228		
STOW ST	MAIN ST. W.	TALLMADGE AVE.	4	4	991	991	3964	3964	1982	7928
STOW ST	TALLMADGE AVE.	HAYMAKER PKWY.	0	0	0	0	0	0	0	0
STOW ST	ALLEY #33	EAST END OF STREET	0	0	0	0	0	0	0	0
CTOWN ST	HAYMAKER PARKWAY	ALLEY #33	4	4	100	100	400	400	200	800

Name	From	70	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	PHP-W
STOW ST	PARK ENTRANCE	SUMMIT ST.	0	0	0	0	0	0	0	0
SUMMIT ST E	WHITEHALL BLVD.	CORP. LIMIT	4	0	1825	0	7300	0	1825	7300
SUMMIT ST E	FRATERNITY CIR.	LOOP RD.	4	0	2820	0	11280	0	2820	11280
SUMMIT ST E	LOOP RD.	WHITEHALL BLVD.	4	0	1268	0	5072	0	1268	5072
SUMMIT ST E	JANIK DR.	RISMAN DR.	4	0	1453	0	5812	0	1453	5812
SUMMIT ST E	RISMAN DR.	FRATERNITY CIR.	4	0	213	0	852	0	213	852
SUMMIT ST E	WILLOW ST. S.	BEAL CT.	4	4	187	187	748	748	374	1496
SUMMIT ST E	DEPEYSTER ST.	TONKIN CT.	4	4	358	358	1432	1432	716	2864
SUMMIT ST E	BEAL CT.	LINCOLN ST. S.	4	4	286	286	1144	1144	572	2288
SUMMIT ST E	TONKIN CT.	VINE ST.	4	4	109	109	436	436	218	872
SUMMIT ST E	WATER ST.	DEPEYSTER ST. S.	4	4	495	495	1980	1980	066	3960
SUMMIT ST E	VINE ST.	WILLOW ST.	4	4	454	454	1816	1816	806	3632
SUMMIT ST E	LINCOLN ST. S.	JANIK DR.	4	4	1132	1132	4528	4528	2264	9026
SUMMIT ST W	FRANKLIN AVE.	WATER ST. S.	4	4	557	557	2228	2228	1114	4456
SUMMIT ST W	MOGADORE RD.	FRANKLIN AVE.	4	4	215	215	860	860	430	1720
SUNNYBROOK RD	S. CORP. LIMIT	MELOY RD.	0	0	0	0	0	0	0	0
SUNNYBROOK RD	MELOY RD.	S.R. 261 E.BOUND	0	0	0	0	0	0	0	0
SUNRISE BLVD	MAIN ST. W.	SHERI DR.	4	0	910	0	3640	0		
SUNRISE BLVD	SHERI DR.	COLLEEN DR.	0	0	0	0	0	0		
SUNRISE BLVD	COLLEEN DR.	GALE DR.	4	0	460	0	1840	0		
SUNSET WAY BLVD	FAIRCHILD AVE.	S.BOUND TO SHADY LAKES I	4	4	160	160	640	640		
SUNSET WAY BLVD	FAIRCHILD AVE.	N. BOUND TO SHADY LAKES	4	4	182	182	728	728		
SUNSET WAY BLVD	SHADY LAKES DR.	SUNSET WAY BLVD.	4	4	344	344	1376	1376		
SUNSET WAY BLVD	SUNSET WAY CIR.	WINWARD LN.	4	4	1142	1142	4568	4568		
SUNSET WAY BLVD	WINDWARD LN.	WINDWARD LN.	4	4	340	340	1360	1360		
SUNSET WAY BLVD	WINDWARD LN.	N. DEAD END	4	4	666	666	3996	3996		
SUNSET WAY CIR	W. CUL-DE-SAC	SUNSET WAY BLVD.	4	4	166	166	664	664		
SUZANNE DR	SPAULDING DR.	GARTH DR.	4	4	1437	1437	5748	5748		
TALLMADGE AVE	MIDDLEBURY RD.	CHANGE PAVEMENT	0	0	0	0	0	0		
TALLMADGE AVE	VFW PARKWAY	STOW ST.	0	0	0	0	0	0		
TALLMADGE AVE	CHANGE PAVEMENT	VFW PARKWAY	0	0	0	0	0	0		
TEMPLE AVE	S. END OF STREET	LAKE ST.	4	4	253	253	1012	1012		
TONKIN CT	SUMMIT ST.	N. END	4	4	378	378	1512	1512		
UNIVERSITY DR	MAIN ST. E.	CRAIN AVE.	4	4	848	848	3392	3392		
VALLEYVIEW ST	CUL-DE-SAC	CUL-DE-SAC	4	4	192	192	768	768		
VALLEYVIEW ST	LINCOLN ST.	MORRIS RD.	4	4	785	785	3140	3140		
VALLEYVIEW ST	VINE ST.	S. WILLOW ST.	4	0	368	0	1472	0		
VALLEYVIEW ST	WILLOW ST. S.	LINCOLN ST.	4	0	557	0	2228	0		
VALLEYVIEW ST	CUL-DE-SAC EAST SIDE	VINE STREET	4	4	287	287	1148	1148		
VERONA AVE	ROBERT DR.	ALLEN DR.	0	0	0	0	0	0		
VERONA AVE	ALLEN DR.	MCKINNEY BLVD.	0	0	0	0	0	0		

Name	From	10	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	W-HH-W
VERONA AVE	MICHEALS DR.	WHETSTONE DR.	4	4	348	348	1392	1392		
VERONA AVE	ADAMLE DR.	ROBERT DR.	4	4	290	290	1160	1160		
VERONA AVE	S. END	MICHEALS DR.	4	4	179	179	716	716		
VERONA AVE	WHETSTONE DR.	ADAMLE DR.	4	4	172	172	688	688		
VFW PKWY	W. END (CUL-DE-SAC)	TALLMADGE AVE.	0	0	0	0	0	0		
VINECT	VINE ST.	E. END	4	4	353	353	1412	1412		
VINE ST	ELM ST.	OAK ST.	4	0	468	0	1872	0		
VINE ST	HALL ST.	HIGH ST.	4	4	326	326	1304	1304		
VINE ST	JOYANNE CT.	SUMMIT ST.	4	4	312	312	1248	1248		
VINE ST	VINE CT.	JOYANNE CT.	4	4	155	155	620	620		
VINE ST	OAK ST.	HALL ST.	4	4	431	431	1724	1724		
VINE ST	SCHOOL ST.	ELM ST.	4	0	418	0	1672	0		
VINE ST	WILLIAMS ST.	VINE CT.	4	4	184	184	736	736		
VINE ST	HIGH ST.	WILLIAMS ST.	4	4	216	216	864	864		
VINE ST	RELLIM DR.	BOWMAN DR.	4	4	316	316	1264	1264		
VINE ST	S. CUL-DE-SAC	RELLIM DR.	4	4	472	472	1888	1888		
VINE ST	BOWMAN DR.	VALLEYVIEW ST.	4	4	330	330	1320	1320		
VINE ST	VALLEYVIEW ST.	SCHOOL ST.	4	4	385	385	1540	1540		
VIRGINIA AVE	S. END	LAKE ST.	0	0	0	0	0	0		
WALNUT ST	OAK ST.	MAPLE ST.	0	0	0	0	0	0		
WALNUT ST	DODGE ST.	ELM ST.	0	0	0	0	0	0		
WALNUT ST	ALLEY NO. 17&18	DODGE ST.	0	0	0	0	0	0		
WALNUT ST	ALLEY NO.22	HARRIS ST.	0	0	0	0	0	0		
WALNUT ST	HARRIS ST.	ALLEY NO. 17&18	0	0	0	0	0	0		
WALNUT ST	CHERRY ST.	ALLEY NO. 22	0	0	0	0	0	0		
WALNUT ST	ALLEY NO. 15&16	OAK ST.	0	0	0	0	0	0		
WALNUT ST	ELM ST.	ALLEY NO. 15&16	0	0	0	0	0	0		
WALTER ST	ANNA AVE.	LAKE ST.	0	0	0	0	0	0		
WATER ST N	PORTAGE ST.	ALLEY NO. 1	4	4	191	191	764	764	382	1528
WATER ST N	ALLEY NO. 2	PORTAGE ST.	4	4	184	184	736	736	368	1472
WATER ST N	ALLEY NO. 3	COLUMBUS ST.	4	4	189	189	756	756	378	
WATER ST N	MAIN ST. E.	ALLEY NO. 3	4	4	202	202	808	808	404	
WATER ST N	ALLEY NO. 1	BRADY ST.	4	4	192	192	768	768	384	1536
WATER ST N	BRADY ST.	CRAIN AVE.	4	4	663	663	2652	2652	1326	5304
WATER ST N	COLUMBUS ST.	ALLEY NO. 2	4	4	199	199	796	796	398	
WATER ST S	COLLEGE AVE.	ALLEY NO. 5&8	4	4	189	189	756	756	378	
WATER ST S	ALLEY NO. 5&8	ERIE ST.	4	4	191	191	764	764	382	1528
WATER ST S	S.R. 59	COLLEGE AVE.	4	4	157	157	628	628	314	
WATER ST S	ERIE ST.	ALLEY NO. 489	4	4	188	188	752	752	376	1504
WATER ST S	ALLEY NO. 11	SUMMIT ST.	4	4	215	215	860	860	430	
WATER ST S	ALLEY NO. 12	WILLIAMS ST.	4	4	339	339	1356	1356	829	2712

Name	From	To	Width A	Width B	Length A	Length B	Area A	Area B	PHP-L	PHP-W
WATER ST S	ALLEY NO.489	MAIN ST. E.	4	4	199	199	2967	796	398	1592
WATER ST S	BERYL DR.	RELLIM DR.	4	4	1642	1642	6568	6568	3284	13136
WATER ST S	BOWMAN DR./CHERRY	SCHOOL ST.	4	4	789	789	3156	3156	1578	6312
WATER ST S	CORP. LIMIT	DEVON PL.	0	0	0	0	0	0	0	0
WATER ST S	DAY ST.	S.R. 59	4	4	216	216	864	864	432	1728
WATER ST S	DEVON PL.	S.R. 261	4	0	545	0	2180	0	545	2180
WATER ST S	ELM ST.	OAK ST.	4	4	466	466	1864	1864	932	3728
WATER ST S	HALL ST.	ALLEY NO. 12	4	4	194	194	2776	776	388	1552
WATER ST S	OAK ST.	HALL ST.	4	4	436	436	1744	1744	872	3488
WATER ST S	RELLIM DR.	BOWMAN DR/CHERRY	4	4	356	356	1424	1424	712	2848
WATER ST S	S.R. 261	BERYL DR.	4	0	540	0	2160	0	540	2160
WATER ST S	SCHOOL ST.	ELM ST.	4	4	460	460	1840	1840	920	3680
WATER ST S	SUMMIT ST.	DAY ST.	4	4	194	194	2776	776	388	1552
WATER ST S	WILLIAMS ST.	ALLEY NO. 11	4	4	439	439	1756	1756	878	3512
WEST ST	ALLEY NO. 24	HARRIS ST.	0	0	0	0	0	0		
WHETSTONE DR	NOTTINGHAM CIR.	CLARKVIEW CIR.	4	4	351	351	1404	1404		
WHETSTONE DR	VERONA AVE.	ROLLINS CIR.	4	4	365	365	1460	1460		
WHETSTONE DR	CLARKVIEW CIR.	HUDSON RD.	4	4	412	412	1648	1648		
WHETSTONE DR	ROLLINS CIR.	NOTTINGHAM CIR.	4	4	351	351	1404	1404		
WHITEHALL BLVD	S. EAST END	WIDTH CHANGE	0	0	0	0	0	0		
WHITEHALL BLVD	WIDTH CHANGE	SUMMIT ST.	4	0	666	0	3996	0		
WHITEWOOD DR	WINDWARD LN.	STA. 1+90	4	4	190	190	760	760		
WHITEWOOD DR	CUL-DE-SAC 2+41	CUL-DE-SAC 2+41	4	4	374	374	1496	1496		
WHITTIER DR	LOWELL DR.	WOODARD AVE.	4	4	884	884	3536	3536		
WHITTIER DR	PROSPECT STREET	LOWELL DRIVE	4	4	150	150	009	009		
WILEY CT	S. END	LAKE ST.	0	0	0	0	0	0		
WILLIAMS ST E	WATER ST. S.	DEPEYSTER ST.	4	4	200	200	2000	2000		
WILLIAMS ST E	DEPEYSTER ST.	VINE ST.	4	4	468	468	1872	1872		
WILLIAMS ST W	FRANKLIN AVE.	WATER ST. S.	4	4	583	583	2332	2332		
WILLIAMS ST W	W. END (CUL-DE-SAC)	FRANKLIN AVE.	0	0	0	0	0	0		
WILLOW ST N	CRAIN AVE.	GATUN ST.	4	4	536	536	2144	2144		
WILLOW ST N	GATUN ST.	LAKE ST.	4	4	700	700	2800	2800		
WILLOW ST N	COLUMBUS ST.	CRAIN AVE.	4	4	737	737	2948	2948		
WILLOW ST N	MAIN ST. E.	COLUMBUS ST.	4	4	450	450	1800	1800		
WILLOW ST S	SCHOOL ST.	FLEETER CT.	0	0	0	0	0	0		
WILLOW ST S	FLEETER CT.	N. END	4	4	287	287	1148	1148		
WILLOW ST S	VALLEYVIEW ST.	SCHOOL ST.	4	4	380	380	1520	1520		
WILLOW ST S	COLLEGE ST.	ERIE ST.	4	4	388	388	1552	1552		
WILLOW ST S	ERIE ST.	MAIN ST. E.	4	4	382	382	1528	1528		
WILLOW ST S	SUMMIT ST.	COLLEGE ST.	4	4	571	571	2284	2284		
WILSON AVE	CRAIN AVE.	BURR OAK DR.	4	4	421	421	1684	1684	842	3368

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PHP-W	4160	3120														737944		L	5	Ξ̈́	R.S.	SY	-	Ξ̈	П	L _D	SY
PHP-L	1040	780														184486		000	27,176	108	2 284 917	253,880	184,486	35	727 044	137,944	81,994
Area B	2080	1560	5764	2448	3464	1776	3752	1360	1076	1992	844	0	0	3748	0	1091497	2284917										
Area A	2080	1560	5764	2448	3464	1776	3752	1360	1076	1992	844	0	0	3748	0	1193421	Ttl. Area:										
Length B	520	390	1441	612	866	444	938	340	269	498	211	0	0	937	0	272874.1	571229.3 Ttl. Area:										
Length A	520	390	1441	612	866	444	938	340	269	498	211	0	0	937	0	298355.1	Total Length:										
Width B	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0		Tota										
Width A	4	4	4	4	4	4	4	4	4	4	4	0	0	4	0												
To	CRAIN AVE.	424' SOUTH OF DORAMOR	SUNSET WAY BLVD.	SHOREWOOD CL.	WHITEWOOD DR.	LAKEWOOD CL.	MANTUA ST. N.	EARL AVE.	WHITTIER DR.	FAIRCHILD AVE.	ROCKWELL ST.	OVERLOOK DR.	WOODHILL DR.	LAKE ST.	MUNROE FALLS-KENT RD.												
From	MAIN ST.	BURR OAK DRIVE	WHITEWOOD DR.	LAKEWOOD CL.	SHOREWOOD CL.	SUNSET WAY BLVD.	W. END	PARK ST.	EARL AVE.	ROCKWELL ST.	WHITTIER DR.	FAIRVIEW DR.	FAIRVIEW DR.	GATUN ST.	MIDDLEBURY RD.												
Name	WILSON AVE	WILSON AVE	WINDWARD LN	WINDWARD LN	WINDWARD LN	WINDWARD LN	WOLCOTT AVE	WOODARD AVE	WOODARD AVE	WOODARD AVE	WOODARD AVE	WOODHILL DR	WOODHILL DR	WOODSIDE DR	YACAVONA DR												

City of Kent Sidewalk Snow Removal Estimates

City Sidewalks		Value		Unit		Value		Unit
T-t-11th		571 220	-			100	_	
Total length	+	571,229	-	LF		108	_	Mi.
Total Area at 4-ft. wide	1 2	2,284,917		SF		253,880		SY
Total length along primary plow routes		184,486		LF		35		Mi.
Total area along primary plow routes		737,944		SF		81,994		SY
Total length along State Routes		63,558		LF		12	-	Mi.
Total area along State Routes		254,232		SF		28,248		SY
Manpower Production Estimate Snow Removal	Minut	tes per 50-ft.	1	Γtl. Length		Primary		State
	-	oo per ee an		24g				
4" Event, 10 min. per 50-ft. of walk in Man Hours		10		1,904.10		614.95		211.86
Work Force Cost for Temp. Help	\$	12.00	\$	22,849.17	\$	7,379.44	\$	2,542.32
Work Force Requried to Complete in 8-Hours				238.01		76.87		26.48
Work Force Requried to Complete in 40-Hours				47.60	_	15.37		5.30
8" Event, 15 min. per 50-ft. of walk in Man Hours	-	15		2,856.15		922.43		317.79
Work Force Cost for Temp. Help	\$	12.00	\$	34,273.76	\$	11,069.16	\$	3,813.48
Work Force Requried to Complete in 8-Hours				357.02		115.30	Ť.	39.72
Work Force Requried to Complete in 40-Hours				71.40		23.06		7.94
12" Event, 25 min. per 50-ft. of walk in Man Hours	-	25	_	4,760.24		1,537.38		529.65
Work Force Cost for Temp. Help	\$	12.00	\$	57,122.93	\$	18,448.60	\$	6,355.80
Work Force Requried to Complete in 8-Hours	+		<u> </u>	595.03	Ť	192.17	Ť	66.21
Work Force Requried to Complete in 40-Hours	-			119.01		38.43		13.24
ATV Production Estimate Snow Removal	Minut	tes per 50-ft.	7	Ttl. Length		Primary		State
		•						
4" Event, 2 min. per 50-ft. of walk in Hours w\ ATV		2		380.82		122.99		42.37
Work Force Cost for Temp. Help	\$	12.00	\$	4,569.83	\$	1,475.89	\$	508.46
Work Force Requried to Complete in 8-Hours				47.60		15.37		5.30
Work Force Requried to Complete in 40-Hours	-			9.52		3.07		1.06
8" Event, 3 min. per 50-ft. of walk in Hours w\ ATV	+	3		571.23		184.49		63.56
Work Force Cost for Temp. Help	\$	12.00	\$	6,854.75	\$	2,213.83	\$	762.70
Work Force Requried to Complete in 8-Hours				71.40		23.06		7.94
Work Force Requried to Complete in 40-Hours				14.28		4.61		1.59
12" Event, 5 min. per 50-ft. of walk in Hours w\ ATV	-	5		952.05		307.48		105.93
Work Force Cost for Temp. Help	\$	12.00	\$	11,424.59	\$	3,689.72	\$	1,271.16
Work Force Required to Complete in 8-Hours	Ψ	12.00	Ψ	119.01	ψ	38.43	Ψ	13.24
Work Force Required to Complete in 40-Hours				23.80		7.69		2.65

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CITY OF KENT, OHIO

OFFICE OF THE CITY MANAGER

To:

All Elected and Appointed Officials, Department and Division Heads, and City

Employees

From:

William C. Lillich, Interim City Manager

Subject:

Sidewalk Snow Removal Enforcement Policy

Administrative Rule 2005-01

Date:

February 4, 2005

Although there are concerns for the conditions created when there is snow on sidewalks throughout the City, it is beyond our means to address all locations that have failed to clear sidewalks. In most cases, most standard snowfalls are tolerable for walking for most of our pedestrians. With this limitation in mind, we have developed a strategy to deal with the most dangerous areas and conditions. These areas primarily include the state routes that have significant pedestrian traffic; and most particularly those areas in which the snow is impassable due the large piles of snow from private property plowing.

The City services will concentrate on the extreme locations where snow has been intentionally placed in the rights-of-way as a part of removal from private property. This gives the City much better enforcement capabilities and legal leverage. It typically includes the areas that generate the most citizen concerns, and create the greatest danger for pedestrians. (We can't cite for not cleaning, but we can cite for placing the snow in the right-of-way). This avoids some of the legal issues from old court case decisions that void the citizen's responsibility for nature occurrences.

The strategy is as follows:

- The police will attempt to watch private plow operators to caution them against blocking public sidewalks while plowing private property. If subsequent violations occur, the operator will be cited.
- 2. A representative from the City will be identifying properties where the excess snow pile conditions exist, and will issue formal notice to remove sidewalk blockages, and to warn about similar violations in the future.
- 3. Mr. Merleno will focus newspaper publicity that will more clearly identify the safety concerns with sidewalks that create pedestrian hazards, as well as additional safety concerns for the disabled. Any voluntary compliance will be helpful and improve safety.
- 4. In subsequent years, lists of the businesses and problem locations that meet these criteria will be sent notices at the beginning of the season cautioning them about their responsibility to avoid sidewalk blockages.
- City snow plow operators will be trained in areas of critical pedestrian passage and means to minimize snow accumulation on sidewalks in such areas.
- 6. City crews will endeavor to not plow snow into crosswalks and other areas of critical pedestrian passage.

- 7. City snow removal crews will be assigned to clear disabled access ramps at intersections in the central business district.
- 8. This policy will be reviewed by the City Council in July 2005.

This effort may fall short of the level of service that the City would prefer to provide. But it should provide an improved level of safety in the most dangerous areas where pedestrians need to be able to avoid walking in the street.

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shall be in violation of this chapter and subject to the penalties contained herein. (Ord. 2002-78. Passed 8-14-02)

521.15. SNOW AND ICE REMOVAL.

- (a) The owner, occupant or other person having the care of any building, premises or unimproved lot of land abutting any street where there is a graded sidewalk or a sidewalk graded and paved shall, within the first twenty-four hours after daylight after any snow ceases to fall, cause the same to be removed from the paved or traveled part of such sidewalk. The provisions of this section shall also apply to the falling of snow or ice from any building or from any other source onto a sidewalk.
- (b) Snow or ice shall not be moved into the gutter when the gutter has been previously cleaned, and in no event shall snow or ice from any area other than the pedestrian walk be moved in the gutter.
- (c) Whenever a sidewalk or any part thereof along any building, premises or unimproved lot of land is encumbered with ice, the owner, occupant or other person having the care of such premises or lot, shall cause such sidewalk to be made safe and convenient by removing the ice therefrom, or by covering the same with sand or other suitable substance.
- (d) In the event the owner, occupant or person having the care of any building, premises or unimproved lot within the City, fails to comply with the provisions of subsection (a) hereof the Director of Service is authorized to cause such sidewalk to be made safe by removal of snow or ice therefrom, or by covering the same with sand or other suitable substance as the Director may determine at his/her discretion.
- (e) After completion of the work, as authorized in subsection (d) hereof, the Director of Service shall give five days notice by certified mail to the owner of such land, at his/her last known address, to pay the cost of the removal of such snow or ice, or of the covering of the same with sand or other suitable substance. This notice shall be accompanied by a statement of the amount of cost incurred, and that in the event the cost of this work is not paid within five days after the mailing of such notice, then this amount shall be certified to the County Auditor for collection the same as other taxes and assessments are collected. (Ord. 1976-20. Passed 2-18-76.)

521.16 SNOW AND ICE REMOVAL AFFECTING PUBLIC RIGHT OF WAYS.

- (a) No owner, occupant or other person having the responsibility of removal, or the person who actually removes the snow from any building, premises or improved or unimproved lot abutting any street, shall remove snow and ice from the premises of said property so as to cause an obstruction in the travel or parking lane of any abutting street, or to cause a view obstruction on the abutting roadway, or at ingress or egress points to the roadway.
- (b) Whoever violates provision 521.16 (a) is guilty of a minor misdemeanor. (Ord. 1997-64. Passed 9-17-97)

521.17. DEAD TREES AND BRANCHES

(a) No owner or occupant of any premises shall permit a dead tree or any dead portion of a tree to stand so near to a public sidewalk or roadway as to endanger users thereof, should all or part of it fall. No such owner or occupant shall permit a dead branch to overhand a public sidewalk or roadway.

521.99. PENALTY.

(EDITOR'S NOTE: See Section 501.99 for penalties applicable to any misdemeanor classification.)

Dec. 2002 Replacement

CITY OF KENT DEPARTMENT OF PUBLIC SERVICE

MEMO

To:

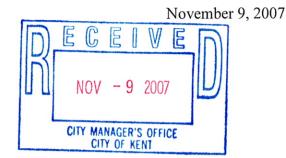
Dave Ruller, City Manager

Barb Rissland, Budget & Finance Director

From: Gene Roberts, Service Director

RE:

City Maintained Sidewalk Snow and Ice Control



At the following sidewalk locations Central Maintenance is responsible to clear and when appropriate salt as needed:

930 Overholt Rd.
319 S. Water. (upper & lower sidewalks and on north side of building)
325 S. Depeyster St, (Depeyster and Summit R/W only, Bowers does buildings)
W. Main at Gougler Ave. (West River Medical Parking Lot Only)
Franklin Ave. east side under Haymaker bridge.
Sidewalk in front of empty lot at 238 Gougler.
Sidewalk in front of empty lot at 337 Gougler.
Sidewalk in front empty lot at 431 Gougler.
Sidewalk from 300 Gougler north to Triangle Cleaners.
Sidewalk on N. Mantua in front of City owned parking lot next to Mckay Bricker.
Sidewalk in front of empty lot at 305 N. Mantua
Haymaker Pkwy both sides from S. Water to S. Willow. Incl. island at E. Main.
Haymaker Pkwy north side from S. Water St. to S. Chestnut St.
Haymaker north side, do both sides of S. Water from Haymaker north to College
Ave.
W. Main north side from 989 to AWTI transmission shop. (the planted triangle area)
W. Main St. bridge
Crain Ave. bridge
Stow St. bridge
Haymaker Pkwy. Bridge
Spaulding Dr. bridge
Sunrise Blvd. Bridge
Fairchild Ave. bridge
Allen Dr. bridge
River Bend Blvd. bridge

On average this work effort consumes 21-hours of Central Maintenance staff time to complete. In the past the Parks and Recreation Department has lent the Central Maintenance Division the use of their All Train Vehicle (ATV) to complete the work at the above locations when they have completed the work for which they purchased their equipment. The equipment purchased by the Parks and Recreation Department is a 4-wheel drive ATV fitted with a plow. Jack Hogue has investigated the Central Maintenance Division purchasing a similar vehicle and after discussions with Jack I support his request. The one difference between the equipment used by Parks and Recreation Department staff and what Jack is recommending is the addition of a salt spreader which will further decrease staff time required to salt the locations listed above when appropriate.

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The below equipment purchase estimate and typical task time is prepared to develop the estimated return on investment to support the purchase of the equipment.

All Train Vehicle	\$4,933.00
Plow	\$ 500.00
Salt Spreader	\$ 330.00
Electric Winch (Operate Plow)	\$ 380.00
Total Estimated Cost:	\$6,143.00
2 to 4 Person Crew (Use 3)	3.00
6 to 8 Hours (Use 7)	7.00
Total Hours Current Effort:	21.00
Projected 1 Person 7 Hours	7.00
Staff time saved per snow event (Hours)	14.00
Hourly Rate (2008 Service Worker)	\$ 20.94
Staff time saved per event (Dollars)	\$ 293.16
Payback (Hours)	20.95

As can be seen in the above table it is estimated that for each typical snow event requires 21-hours of staff time to clear the sidewalks that adjoin City owned property or at locations where private property does not adjoin public right-of-way such as bridges or along Haymaker Parkway. In Jack's Memo (see attached) he states that when they have used the Parks and Recreation Department's ATV equipment that one staff member will complete the work of three in the same time. Jack has further identified \$6,942 remaining in the Central Maintenance Division's SCMR Capital budget for 2007 which is not needed to complete the capital purchases planned (see table below).

07 CAP Plow Truck	\$140,000.00
Purchase Cap & Chasis	\$ 56,454.00
Purchase Plow Equip.	\$ 80,480.00
Savings:	\$ 3,066.00
07 CAP Chipper	\$ 20,000.00
Purchase Chipper	\$ 16,124.00
Savings:	\$ 3,876.00
Total Available 07 CAP	\$ 6,942.00

Although this request will not result in direct cash savings for the City it will generate an additional average of 14-hours of staff time per snow event to accomplish other needed tasks. By way of example during calendar year 2006 there where 29 snow events reported which would equate to 406-hours of staff time being freed for other duties. A portion of the recouped staff time in Central Maintenance Division will be applied to pre-treating City streets with salt brine prior to snow events which will result in a decrease in overtime to respond to minor snow events but at this time there is no data available to quantify the savings from pre-treatment.

It is respectfully requested that favorable consideration be given to Central Maintenance for purchase of the requested ATV for snow and ice control on City sidewalks.

Cc: Jack Hogue. Central Maintenance Manager Bill Lillich, Safety Director Jim Bowling, P.E., City Engineer

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CITY OF KENT, OHIO

DEPARTMENT OF PUBLIC SERVICE

930 OVERHOLT RD., 2" FLOOR, KENT, OHIO 44240 (330) 678-8105 FAX (330) 673-1893 www.kenichio.org

Date:

November 8, 2007

To:

Gene Roberts

Public Service Director

From:

Jack Hogue

Central Maintenance Manager

Subject:

Sidewalk Snow Removal 2007-2008

In past years the Central Maintenance Division has tried many ways to remove the snow and ice from the City's sidewalks. Examples include using small tractors with plow blades, snow blowers, skid steer loaders, and shovels. All of these examples has had different problems associated with their use. We received a small garden tractor from the fire department that we tried and found that it was not powerful enough to push the snow, slush, and ice that form on the sidewalks off. The same problem was encountered with snow blowers large and small. The Central Maintenance skid steer loader is too large for use on the sidewalks. Now we send out 2 to 4 people to clear off City sidewalks with shovels and hand spread salt. At times in the past we have been fortunate enough to be able to borrow from the Parks and Recreation Department their ATV 4-Wheeler with plow attachment to use on sidewalks. This unit has performed great. One person is able to clean the City's sidewalks in half the time it takes the 4 man crew. The problem with using the Parks unit is that when we need it they also are using it.

I have investigated pricing on an ATV 4-Wheeler for the Central Maintenance Division from area dealers. A unit capable of performing this task would cost the Division \$5,500.00. This would give us a unit with enough power to push off the snow, a plow blade and salt spreader. Pricing I received form area dealers is as follows. These prices do not include the extras like plow and salt spreader.

State 8 Motorcycle & ATV	\$4,933.00
Midwest Motor Sports	\$6,000.00
Harding's Park Cycle	\$5,251.00

I can purchase this unit with your permission and monies left over from the Capital purchase that we have saved on this year. I have \$6,942.00 left in my SCMR Capital line, (102-63) to cover the cost of this unit. Thank you for your attention to this matter.

Photos from the City of Ravenna, 9 am 3/10/08



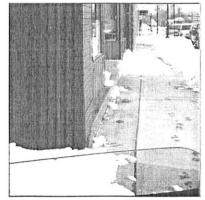
















City of Kent, 9:30 am 3/10/08







