

**AGENDA
HANOVER CITY COUNCIL
AUGUST 28, 2019**

**MAYOR
CHRIS KAUFFMAN**

**COUNCIL
DOUG HAMMERSENG
KEN WARPULA
JIM ZAJICEK
MARYANN HALLSTEIN**

- 1. Call to Order: 7:00 p.m.**
- 2. Approval of Agenda**
- 3. 2020 Preliminary Budget – DRAFT 2**
- 4. Adjournment**



To: Mayor Kauffman & Members of the Hanover City Council

From: Brian Hagen, City Administrator

Re: 2020 Preliminary Budget - Draft 2

Date: August 22, 2019

Enclosed you will find the second draft of the 2020 Preliminary Budget. When preparing the budget, I received input from Public Works Supervisor Jason Doboszinski and Fire Chief Dave Malewicki. Additionally, I utilized other documents to determine debt service obligations and the Capital Improvement Plan levy obligations.

Also enclosed are two scenarios for the Capital Improvement Plan Funding Document (CIP). Adjustments have been made to the CIP to reflect an elimination of the old public works garage, and a reduction to road maintenance costs based on the updated 2019 Pavement Management Plan. The two scenarios reflect a continued 3% dedicated increase to the debt services/capital levy or an increase to a 5% dedicated increase. We can further manually adjust the spreadsheet to reflect a zero-debt scenario.

No major adjustments have been made to the preliminary budget from draft 1. I will note that we likely will not see a tax capacity value from Wright County prior to the adoption of the preliminary budget. I believe a fair assumption can be made that we will be able to maintain a flat tax rate for next year though based on recent trends in our tax capacity.

**Preliminary Levy Certification
2020 General Operating Revenue Budget**

Account	Description	Category	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	05-31-19 Actual	% of Budget	2020 Budget	% Change	Comments
100-31000	Property Taxes - City	TAXES	940,618	1,026,640	783,871	842,144	884,973	1,019,659	-		1,081,763		
100-31020	Property Taxes - Fire Dept	TAXES	99,864	95,624	112,838	111,200	129,904	101,578	-		104,404		
100-31800	Franchise Fees	TAXES	12,194	13,150	14,500	15,759	15,057	15,000	3,637		15,000		
Total Taxes			1,052,676	1,135,414	911,209	969,103	1,029,934	1,136,237	3,637	0%	1,201,167	6%	
100-32110	Alcoholic Beverages	LIC PERM	10,370	10,370	10,420	10,420	7070	10,370	3,620		6,870		5 Liquor License Renewals
100-32180	Other Bus. Lic. & Permits	LIC PERM	700	362	482	2,870	1790	1,000	400		1,000		Utility Permits/Solicitors License
100-32210	Building Permits	LIC PERM	154,881	139,675	180,198	82,122	87711	100,000	35,078		100,000		
100-32240	Animal Licenses	LIC PERM	120	260	200	100	0	0	0		0		
100-32260	Solid Waste Hauler Licenses	LIC PERM	1,000	500	1,500	1,500	1500	1,500	1,500		1,500		
100-32270	Rental Dwelling Licenses	LIC PERM	1,050	-	1,215	90	1180	0	0		1,000		
100-32280	Other Non-Bus. Lic. & Permits	LIC PERM	37	45	55	66	47	50	0		50		Burn Permits
Total Lic Perm			168,158	151,212	194,070	97,168	99,298	112,920	40,598	36%	110,420	-2%	
100-33400	State Grants and Aid	INTGOVT	2,915	38,757	-	30,772	27,989	-	1,500		-		
100-33401	Local Gov't Aid (LGA)	INTGOVT	100,494	105,859	107,496	108,169	117,651	118,253	-		124,857		estimate
100-33410	MV Credit	INTGOVT	1,297	1,866	1,697	1,583	1,319	-	-		1,000		
100-33420	PERA Aid	INTGOVT	339	339	339	339	339	339	-		339		
100-33422	State Fire Aid	INTGOVT	36,371	42,219	39,121	37,428	39,020	39,000	-		39,000		estimate
100-33426	State Police Aid	INTGOVT	5,265	5,566	5,729	5,911	5,984	5,500	-		5,500		estimate
100-33610	County Grants/Aid for Roads	INTGOVT	14,488	13,342	-	-	-	-	-		-		
Total Intgovt			161,169	207,947	154,382	184,202	192,302	163,092	1,500	1%	170,696	5%	
100-34000	Charges for Service	SERVICE	16,643	-	-	-	3,759	-	5,154		5,000		Cleanup Day
100-34101	City Hall Rentals	SERVICE	6,700	8,915	8,315	10,698	12,699	10,000	6,075		11,000		
100-34107	Assessment Searches	SERVICE	350	475	400	750	775	600	325		600		
100-34108	Administrative Fees	SERVICE	2,710	2,447	2,433	3,300	5,756	3,000	3,900		3,000		
100-34109	Copies/Faxes	SERVICE	83	15	127	35	48	50	-		50		
100-34206	Other Public Safety Charges	SERVICE	-	-	-	250	415	620	-		-		Fire Emergency Services Fees
100-34207	Fire Protection	SERVICE	105,899	107,464	104,785	114,825	141,161	110,755	33,379		107,573		reflects only operating portion
100-34403	Recycling Rev/Reimb	SERVICE	26	6,902	6,372	6,928	6,149	6,000	1,135		6,000		Grants from the Counties
100-34780	Park Shelter Rental Fees	SERVICE	3,013	2,805	2,687	2,220	2,050	2,500	1,279		2,500		
100-34940	Cemetery Revenues	SERVICE	2,950	1,950	3,700	6,050	3,500	2,000	3,450		4,000		
Total Service			138,374	130,973	128,819	145,057	176,312	135,525	49,543	37%	134,723	-1%	
100-35100	Court Fines	FINES	315	2,643	2,254	5,167	6,725	3,000	1,055		3,000		
Total Fines			315	2,643	2,254	5,167	6,725	3,000	1,055	35%	3,000	0%	
100-36100	Special Assessments	MISC	54	429	2,013	856	-	-	-		-		Lawn Mowing assessed
100-36200	Misc Revenues	MISC	2,592	13,012	10,454	1,733	2,748	100	330		100		Compost Card Replacements
100-36210	Interest Earnings	MISC	(528)	36,318	16,286	19,127	11,113	-	2,063		-		
100-36215	Investment Income/Loss	MISC	7,518	(100)	(1,872)	(2,872)	(2,235)	-	3,428		-		
100-36218	Grants	MISC	-	6,280	-	-	-	-	-		-		
100-36230	Contributions & Donations	MISC	2,075	8,597	6,000	2,425	375	400	250		400		HAA no longer due to 10% req.
100-36235	Insurance Dividends	MISC	5,123	11,500	12,801	3,109	1,429	4,000	-		-		
100-36250	Damage Deposits	MISC	7,441	6,501	100	-	-	-	5,750		9,000		
100-36260	Refunds or Reimbursements	MISC	-	-	4	181	419	-	20		-		

100-36291	Sale of Vehicles/Equipment	MISC	100	-	1,702	773	-	-	-	-	-	
100-39101	Sales of General Fixed Assets	MISC			120,917	-	-	-	-	-	-	
100-39203	Transfers from Other Funds	MISC	-	-	19,200	-	-	-	-	-	-	
Total Misc			24,375	82,538	187,606	25,334	13,849	4,500	11,841	263%	9,500	111%
Total Revenue			1,545,068	1,710,727	1,578,339	1,426,030	1,518,420	1,555,274	108,175	7%	1,629,506	4.77%

**Preliminary Levy Certification
2020 General Operating Expenditure Budget**

Account	Description	Category	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	05-31-19 Actual	% of Budget	2020 Budget	% Change	Dollar Change	Comments
General Government														
100-41110-111	Committe Wages	COUNCIL	9,359	9,881	10,692	11,967	10,500	13,000	-		13,000		0	
100-41110-122	FICA	COUNCIL	572	632	658	740	623	806	-		806		0	
100-41110-123	Medicare	COUNCIL	134	143	154	173	146	189	-		189		(1)	
100-41110-208	Training & Instruction	COUNCIL	-	365	-	575	345	1,000	850		1,000		0	
100-41110-306	Dues & Subscriptions	COUNCIL	2,912	6,488	7,856	6,507	7,079	7,500	5,703		7,500		0	
100-41110-331	Travel Expenses	COUNCIL	160	76	-	138	752	1,000	382		1,000		0	
100-41110-437	Discretionary Miscellaneous	COUNCIL	5,701	3,128	11,287	6,035	3,880	20,000	197		20,000		0	
	Total Council		18,888	20,766	30,646	26,136	23,324	43,495	7,131	16%	43,495	0%	(1)	
100-41330-111	Committe Wages	BRDS & COMM	2,820	2,820	3,270	4,380	3,000	5,000	-		5,000		0	
100-41330-208	Training & Instruction	BRDS & COMM	-	-	-	-	-	-	-		500		500	
100-41330-331	Travel Expenses	BRDS & COMM	18	21	-	-	-	-	-		200		200	
	Total Brds & Comm		2,838	2,936	3,270	4,380	3,000	5,000	-	-	5,700	14%	700	
100-41400-101	Full-Time Wages	CITY ADMIN	63,612	75,707	67,580	69,612	72,339	75,642	29,719		78,668		3,026	
100-41400-121	PERA	CITY ADMIN	4,553	5,870	5,043	5,217	5,400	5,673	2,373		5,900		227	
100-41400-122	FICA	CITY ADMIN	3,894	4,852	4,169	4,313	4,464	4,690	1,959		4,877		187	
100-41400-123	Medicare	CITY ADMIN	911	1,135	975	1,009	1,044	1,097	458		1,141		44	
100-41400-132	Employer Paid Life	CITY ADMIN	1,073	414	368	380	520	385	233		4,957		4,572	estimate: Life + LTD/STD
100-41400-151	Health Insurance Premium	CITY ADMIN	5,676	5,237	8,372	8,401	8,319	8,400	3,500		12,000		3,600	monthly allotment, possible family coverage
100-41400-208	Training & Instruction	CITY ADMIN	561	1,310	410	681	1,304	1,500	1,195		1,500		0	
100-41400-306	Dues & Subscriptions	CITY ADMIN	445	256	267	254	145	250	68		200		(50)	
	Total City Admin		82,640	98,574	87,184	89,866	93,534	97,637	39,504	40%	109,243	12%	11,606	
	Part-Time Wages	ELECTION									13,500			Temp for AB Voting/Elect. Day
	FICA	ELECTION									837			
	Medicare	ELECTION									196			
100-41410-200	Office Supplies	ELECTION	3,005	-	1,631	64	4,085	100	(1,651)		5,000		4,900	Supplies and voting booth upgrades
100-41410-310	Other Professional Services	ELECTION	5,317	79	4,016	-	3,879	-	-		5,000		5,000	Judge Wages 3 Elections (PNP fees reimbursed)
100-41410-351	Legal Notices Publishing	ELECTION	279	-	174	-	64	-	-		200		200	
100-41410-400	Repairs & Maintenance Cont	ELECTION	-	-	1,014	1,652	1,658	2,000	1,202		1,200		(800)	WC Equipment Maint.
	Total Election		8,601	79	6,835	1,716	9,686	2,100	(450)	-21%	25,933	1135%	9,300	
100-41430-101	Full-Time Wages	CLERICAL	80,994	53,307	42,267	43,842	46,042	48,004	18,890		49,926		1,922	
100-41430-121	PERA	CLERICAL	5,711	3,798	3,154	3,285	3,436	3,600	1,508		3,744		144	
100-41430-122	FICA	CLERICAL	5,607	3,715	2,607	2,716	2,840	2,976	1,244		3,095		119	
100-41430-123	Medicare	CLERICAL	1,311	869	610	635	664	696	291		724		28	
100-41430-134	Employer Paid Life	CLERICAL	(3,996)	1,581	1,309	1,402	1,495	1,540	159		3,174		1,634	estimate: Life + LTD/STD
100-41430-151	Health Insurance Premium	CLERICAL	10,443	7,844	8,400	8,401	8,400	8,400	3,500		8,400		0	monthly allotment
100-41430-208	Training & Instruction	CLERICAL	-	-	255	-	-	500	250		500		0	
100-41430-306	Dues & Subscriptions	CLERICAL	-	-	-	18	23	100	45		100		0	
	Total Clerical		115,462	74,280	58,602	60,298	62,900	65,816	25,887	39%	69,664	6%	3,848	
100-41435-260	Uniforms	STAFF EXP	224	-	-	-	200	300	103		300		0	
100-41435-310	Other Professional Services	STAFF EXP	578	787	1,157	373	240	500	150		500		0	
100-41435-331	Travel Expenses	STAFF EXP	561	1,277	589	750	953	2,000	1,053		2,000		0	
	Total Staff Exp		2,620	3,290	1,746	1,124	1,393	2,800	1,306	47%	2,800	0%	-	
100-41530-101	Full-Time Wages	ACCNT	-	24,895	51,158	51,257	53,275	55,692	21,879		57,920		2,228	
100-41530-121	PERA	ACCNT	-	1,800	3,818	3,491	3,978	4,177	1,747		4,344		167	
100-41530-122	FICA	ACCNT	-	1,446	2,941	3,096	3,274	3,453	1,444		3,591		138	
100-41530-123	Medicare	ACCNT	-	338	688	724	766	808	338		840		32	
100-41530-134	Employer Paid Life	ACCNT	-	348	980	820	1,035	1,060	184		3,681		2,621	estimate: Life + LTD/STD
100-41530-151	Health Insurance Premium	ACCNT	-	3,322	10,800	8,500	8,366	8,400	3,352		8,400		0	monthly allotment
100-41530-208	Training & Instruction	ACCNT	-	-	690	285	210	1,000	-		1,000		0	
100-41530-306	Dues & Subscriptions	ACCNT	-	-	235	123	89	250	50		250		0	
100-41530-310	Other Professional Services	ACCNT	-	35,468	2,457	6,211	3,251	2,500	3,138		3,200		700	Audit Review by AEM, continue on?
	Total Accnt		-	68,471	73,767	74,507	74,243	77,340	32,131	42%	83,225	8%	5,885	

100-41540-301	Auditing & Accounting	AUDITING	27,812	23,400	29,243	24,065	21,050	22,000	17,650		22,000	0	Audit Costs
	Total Auditing & Accounting		27,812	23,400	29,243	24,065	21,050	22,000	17,650	80%	22,000	0%	-
100-41550-310	Other Professional Services	ASSESSING	17,328	17,772	17,828	18,942	20,610	21,000	9		23,000	2,000	
	Total Assesing		17,328	17,772	17,828	18,942	20,610	21,000	9	0%	23,000	10%	2,000
100-41570-200	Office Supplies	PURCHASING	1,128	3,146	3,077	2,581	2,681	3,500	946		3,500	0	
100-41570-205	Bank Fees	PURCHASING	74	49	187	387	(15)	200	37		200	0	
100-41570-207	Computer Supplies	PURCHASING	4,284	3,092	5,876	11,453	5,256	6,000	4,345		8,000	2,000	
100-41570-220	Repair/Maintenance Supply	PURCHASING	1,939	2,367	3,670	2,751	3,927	4,000	2,045		4,000	0	
100-41570-322	Postage	PURCHASING	951	2,463	2,840	2,267	1,867	2,500	1,159		2,500	0	
100-41570-570	Office Equipment/Furniture	PURCHASING	120	210	-	9,611	1,122	3,000	-		3,000	0	
	Total Purchasing		8,496	11,326	15,650	29,049	14,838	19,200	8,532	44%	21,200	10%	2,000
100-41600-310	Other Professional Services	COMPUTER		-	2,542	4,616	7,446	5,000	2,855		6,000	1,000	
	Total Computer		4,693	3,693	2,542	4,616	7,446	5,000	2,855	57%	6,000	20%	1,000
100-41610-304	Legal Fees	ATTORNEY	20,536	18,947	25,247	21,223	12,540	23,500	1,503		20,000	(3,500)	
	Total Attorney		20,536	18,947	25,247	21,223	12,540	23,500	1,503	6%	20,000	-15%	(3,500)
100-41910-310	Other Professional Services	PLANNING & ZONING	26,511	19,945	24,771	25,492	27,194	25,000	7,596		20,000	(5,000)	
	Total Planning & Zoning		26,511	19,945	24,771	25,492	27,194	25,000	7,596	30%	20,000	-20%	(5,000)
100-41940-210	Operating Supplies	BLDG & GRNDS	2,494	617	1,567	1,080	-	2,000	-		3,000	1,000	cleaning supplies, garbage bags, etc.
100-41940-220	Repair/Maintenance Supply	BLDG & GRNDS	(3,187)	9,461	10,286	7,361	9,192	7,000	2,684		6,000	(1,000)	
100-41940-306	Dues & Subscriptions	BLDG & GRNDS	250	250	250	250	620	525	525		550	25	Liquor License, Drug Tests, Fuel Card
100-41940-310	Other Professional Services	BLDG & GRNDS	6,998	6,016	7,208	7,214	7,244	7,500	2,103		7,500	0	cleaning contract and pest control
100-41940-321	Telephone	BLDG & GRNDS	4,476	3,282	3,139	4,204	7,918	6,400	1,893		6,400	0	Comcast
100-41940-325	Taxes	BLDG & GRNDS	258	220	214	349	262	500	25		400	(100)	sales and use tax
100-41940-381	Electric Utilities	BLDG & GRNDS	8,927	14,122	8,917	8,793	14,332	9,600	2,275		9,000	(600)	City Hall
100-41940-383	Gas Utilities	BLDG & GRNDS	6,698	3,642	3,047	5,100	9,401	5,000	2,320		5,000	0	City Hall
100-41940-384	Refuse/Garbage Disposal	BLDG & GRNDS	(502)	2,540	2,552	2,937	2,884	3,500	1,264		3,000	(500)	City Hall, PW, FD
100-41940-415	Other Equipment Rental	BLDG & GRNDS	-	121	-	-	-	-	-		-	0	
100-41940-520	Buildings & Structures	BLDG & GRNDS	5,591	5,346	3,402	2,112	9,831	4,000	-		4,000	0	
100-41940-560	Furniture & Fixtures	BLDG & GRNDS	535	1,961	242	2,069	1,450	2,000	776		2,000	0	
100-41940-580	Other Equipment	BLDG & GRNDS	308	1,263	226	-	7,942	-	-		-	0	
	Total Bldg & Grnds		32,848	48,842	41,048	41,468	71,076	48,025	13,866	29%	46,850	-2%	(1,175)
100-41950-303	Engineering Fee	ENGINEERING	19,613	23,493	25,659	16,135	14,179	20,000	2,974		10,000	(10,000)	No Comp. Plan
	Total Engineering		19,613	23,493	25,659	16,135	14,179	20,000	2,974	15%	10,000	-50%	(10,000)
100-41960-150	Workers Comp Premium	INSURANCE	845	259	8,543	9,376	14,254	18,000	5,245		13,000	(5,000)	entire City less Fire Department estimate
100-41960-361	General Liability Insurance	INSURANCE	24,476	24,785	19,245	21,536	21,498	25,000	9,659		25,000	0	entire City less Fire Department estimate
	Total Insur		27,982	25,045	27,788	30,912	35,753	43,000	14,903	35%	38,000	-12%	(5,000)
100-41970-341	Employment	LEGAL PUB	235	435	274	362	-	300	-		300	0	
100-41970-343	Other Advertising	LEGAL PUB	38	-	39	104	40	100	119		200	100	WC Journal Subscription
100-41970-351	Legal Notices Publishing	LEGAL PUB	1,621	768	1,814	337	274	1,000	100		2,000	1,000	Election Year
100-41970-354	Recording Fees	LEGAL PUB	441	-	-	53	166	250	53		250	0	
	Total Legal Pub		2,336	1,203	2,127	856	480	1,650	271	16%	2,750	67%	1,100
100-48205-810	Refunds & Reimbursements	DAMAGE DEPOSIT	7,554	11,079	3,416	-	-	-	3,300		9,000	9,000	Need to move back to gen. op.
	Total Damage Deposit		7,554	11,079	3,416	-	-	-	3,300	#DIV/0!	9,000	#DIV/0!	9,000
	Total General Gov't		426,758	473,140	477,369	470,784	493,245	522,563	178,968	34%	558,860	7%	21,764
Public Safety													
100-42000-437	Other Misc	PUBSAFTY							20		100	100	Transient/Peddlers Background Checks
	Total Other Misc		-	-	-	-	-	-	20	#DIV/0!	100	#DIV/0!	100
100-42101-310	Other Professional Services	HC SHERIFF	75,078	69,333	71,405	78,731	81,096	82,716	20,679		84,368	1,652	contract price
	Total HC Sheriff		75,078	69,333	71,405	78,731	81,096	82,716	20,679	25%	84,368	2%	1,652
100-42102-310	Other Professional Services	WC SHERIFF	83,726	95,900	99,168	105,708	110,171	108,770	45,881		114,558	5,788	contract price
	Total WC Sheriff		83,726	95,900	99,168	105,708	110,171	108,770	45,881	42%	114,558	5%	5,788
100-42210-103	Part-Time Wages	FIRE ADMIN	28,116	27,804	31,640	47,144	65,365	61,000	(2,524)		70,600	9,600	
100-42210-122	FICA	FIRE ADMIN	1,743	1,714	1,943	1,483	3,271	3,782	2,046		4,377	595	
100-42210-123	Medicare	FIRE ADMIN	408	401	454	347	765	885	488		1,024	139	
100-42210-142	Unemployment Benefits	FIRE ADMIN	-	22	-	275	168	300	-		300	0	
100-42210-150	Workers Comp Premium	FIRE ADMIN	6,679	7,137	7,947	8,225	8,398	9,000	3,360		9,000	0	estimate

100-42210-200	Office Supplies	FIRE ADMIN	167	131	241	560	-	350	629	350	0		
100-42210-305	Medical/Physical Fees	FIRE ADMIN	1,260	4,735	4,567	2,644	2,497	4,000	-	4,000	0		
100-42210-306	Dues & Subscriptions	FIRE ADMIN	562	572	605	1,889	989	1,500	610	1,000	(500)		
100-42210-361	General Liability Insurance	FIRE ADMIN	5,869	2,370	4,743	5,248	3,973	5,000	1,431	5,000	0	estimate	
	Total Fire Admin		45,975	45,125	52,140	67,816	85,426	85,817	6,039	7%	95,651	11%	9,834
100-42220-221	Equipment Parts	FIRE EQUIP	6,025	1,056	2,791	6,579	4,850	15,500	624	11,500	(4,000)		
100-42220-228	Medical Supplies	FIRE EQUIP	-	782	370	-	1,170	1,500	708	1,500	0		
100-42220-240	Small Tools/Equipment	FIRE EQUIP	132	-	537	-	397	1,000	-	1,000	0		
100-42220-260	Uniforms	FIRE EQUIP	780	10,864	7,559	12,699	16,285	28,500	2,567	28,500	0		
100-42220-580	Other Equipment	FIRE EQUIP	2,056	856	1,081	730	5,081	5,000	3,277	5,000	0		
	Total Fire Equip		8,993	13,557	12,338	20,009	27,783	51,500	7,176	14%	47,500	-8%	(4,000)
100-42240-208	Training & Instruction	FIRE TRG	7,517	8,869	4,162	6,078	4,869	12,500	1,223	7,500	(5,000)		
100-42240-310	Other Professional Services	FIRE TRG	-	-	2,939	3,055	3,168	3,210	1,609	3,380	170	Contracted Renewal Cost	
100-42240-331	Travel Expenses	FIRE TRG	852	792	2,137	3,754	1,397	1,500	294	1,500	0		
	Total Fire Trg		8,369	9,661	9,238	12,886	9,434	17,210	3,125	18%	12,380	-28%	(4,830)
100-42260-212	Motor Fuels	FIRE VEHICLE	3,780	3,146	2,362	2,302	3,164	4,500	696	3,000	(1,500)		
100-42260-220	Repair/Maintenance Supply	FIRE VEHICLE	14,342	7,855	11,402	9,144	3,954	9,000	335	9,000	0		
100-42260-240	Small Tools/Equipment	FIRE VEHICLE	1,860	198	322	25	169	1,000	-	1,000	0		
100-42260-323	Radio Units	FIRE VEHICLE	2,661	5,035	8,481	3,439	11,145	7,805	1,625	7,800	(5)		
	Total Fire Vehicle		22,643	16,235	22,567	14,911	18,432	22,305	2,656	12%	20,800	-7%	(1,505)
100-42280-215	Shop Supplies	FIRE BLDG	741	189	416	177	617	1,650	71	800	(850)		
100-42280-220	Repair/Maintenance Supply	FIRE BLDG	522	14,969	2,827	1,364	9,717	7,500	585	7,500	0		
100-42280-321	Telephone	FIRE BLDG	430	351	371	1,857	1,050	1,000	400	1,000	0		
100-42280-325	Taxes	FIRE BLDG	-	-	-	-	-	-	-	-	0		
100-42280-381	Electric Utilities	FIRE BLDG	3,722	3,636	3,861	3,859	4,178	4,500	1,059	4,500	0		
100-42280-383	Gas Utilities	FIRE BLDG	3,673	2,855	1,935	2,298	3,369	3,000	1,927	3,500	500		
100-42280-520	Buildings & Structures	FIRE BLDG	-	-	-	-	932	-	-	-	0		
	Total Fire Bldg		9,088	21,999	9,410	9,555	19,864	17,650	4,042	23%	17,300	-2%	(350)
100-42290-124	State Aid Pensions	FRA	37,871	42,415	38,746	37,428	39,020	39,000	-	39,000	0	pass through fund	
100-42290-125	Other Retirement Contributions	FRA	-	-	11,134	11,134	12,011	11,602	-	12,096	494	31% of two year's prior state aid amount	
100-42290-301	Auditing & Accounting	FRA	5,800	6,580	6,100	6,200	6,250	6,250	-	6,250	0	billed hourly, this is estimated amount	
	Total FRA		43,671	48,995	55,980	54,762	57,281	56,852	-	0%	57,346	1%	494
100-42401-310	Other Professional Services	BLDG INSP	32,860	53,391	54,669	39,212	38,238	50,000	13,255	40,000	(10,000)		
	Total Bldg Insp		32,860	53,391	54,669	39,212	38,238	50,000	13,255	27%	40,000	-20%	(10,000)
100-42700-310	Other Professional Services	ANIMAL CTRL	180	185	250	577	1,070	1,000	457	1,000	0		
	Total Animal Ctrl		180	185	250	577	1,070	1,000	457	46%	1,000	0%	-
100-42800-310	Other Professional Services	CEMETERY	-	50	2,174	-	-	-	-	-	0		
	Total Cemetery		-	50	2,174	-	-	-	-	#DIV/0!	-	#DIV/0!	-
	Total Public Safety		330,584	374,432	389,338	404,167	448,795	493,820	103,310	21%	490,903	-1%	(2,917)

Public Works

100-43000-101	Full-Time Wages - Reg	PUBLIC WORKS	74,389	98,608	107,097	111,190	150,035	138,997	62,005	146,116	7,119	3 FTE - with \$25k paid from Storm H2O
100-43000-102	Full-Time Wages - OT	PUBLIC WORKS	1,340	604	1,386	526	701	2,000	1,064	2,000	0	
100-43000-103	Part-Time Wages	PUBLIC WORKS	14,370	5,170	13,080	11,292	11,811	14,580	3,354	28,360	13,780	2 Summer help and 1 temp. snow plow driver
100-43000-121	PERA	PUBLIC WORKS	5,168	7,730	8,095	8,059	11,248	12,300	5,045	12,834	534	
100-43000-122	FICA	PUBLIC WORKS	5,688	6,637	7,482	7,411	9,649	11,072	4,241	11,775	703	
100-43000-123	Medicare	PUBLIC WORKS	1,274	1,552	1,750	1,733	2,257	2,589	992	2,892	303	
100-43000-134	Employer Paid Life	PUBLIC WORKS	1,107	1,729	1,862	1,374	2,390	2,535	531	10,866	8,331	estimate: Life + LTD/STD
100-43000-142	Unemployment Benefits	PUBLIC WORKS	369	264	28	1,865	7,058	-	-	-	0	
100-43000-151	Health Insurance Premiums	PUBLIC WORKS	10,892	15,616	19,200	20,701	31,625	32,400	13,279	32,400	0	2 family & 1 single
100-43000-208	Training & Instruction	PUBLIC WORKS	225	997	1,379	166	2,456	2,500	1,989	3,500	1,000	
100-43000-212	Motor Fuels	PUBLIC WORKS	8,790	-	5,218	5,085	11,874	7,000	5,485	10,000	3,000	
100-43000-215	Shop Supplies	PUBLIC WORKS	3,569	-	2,658	3,524	7,989	7,500	1,120	7,500	0	
100-43000-220	Repair/Maintenance Supply	PUBLIC WORKS	8,726	378	11,725	7,134	15,044	12,000	2,188	12,000	0	
100-43000-226	Sign Repair Materials	PUBLIC WORKS	-	-	1,252	943	377	1,500	274	1,500	0	
100-43000-240	Small Tools/Equipment	PUBLIC WORKS	4,432	-	2,576	6,505	3,925	5,000	2,617	10,000	5,000	Budgeting \$5K for 1 Bobcat/Excav. attachment
100-43000-260	Uniforms	PUBLIC WORKS	1,974	-	1,316	2,225	2,266	3,000	340	3,000	0	

100-43000-310	Other Professional Services	PUBLIC WORKS	5,174	-	18,696	13,075	5,455	10,000	1,438	7,500	(2,500)	Compost contract & fire system monitoring	
100-43000-321	Telephone	PUBLIC WORKS	555	1,929	1,880	2,820	3,185	4,200	2,168	4,200	0	Cell Phones, Comcast Internet/Phones	
100-43000-325	Taxes	PUBLIC WORKS	119		120	38	118	200	20	200	0		
100-43000-381	Electric Utilities	PUBLIC WORKS						6,000	1,258	4,000	(2,000)		
100-43000-383	Gas Utilities	PUBLIC WORKS						5,000	3,418	7,000	2,000		
	Buildings & Structures	PUBLIC WORKS								2,000		New line item for new facility	
	Total Public Works		155,840	152,107	206,800	205,666	279,465	280,373	112,824	40%	317,643	13%	37,270
100-43121-224	Street Maintenance Materials	PAVED STREETS	13,661	71,522	32,250	16,992	7,750	100,000	6,375	100,000	0	\$50K allocated for chip seal projects	
	Total Paved Streets		14,625	75,755	32,250	16,992	7,750	100,000	6,375	6%	100,000	0%	-
100-43122-224	Street Maintenance Materials	UNPAVED STREETS	7,094	10,403	11,179	12,639	6,505	15,000	-	15,000	0		
	Total Unpaved Streets		7,094	10,403	11,179	12,639	6,505	15,000	-	0%	15,000	0%	-
100-43125-224	Street Maintenance Materials	SNOW/ICE	11,926	15,000	9,453	19,171	15,988	20,000	4,573	20,000	0		
	Total Snow/Ice		11,926	15,000	9,453	19,171	15,988	20,000	4,573	23%	20,000	0%	-
100-43160-381	Electric Utilities	STREET LIGHTS	25,125	19,475	26,424	23,876	24,046	25,000	8,676	25,000	0		
	Total Street Lights		25,125	19,475	26,424	23,876	24,046	25,000	8,676	35%	25,000	0%	-
100-43240-384	Refuse/Garbage Disposal	CITY CLEAN UP	887	1,784	2,073	-	3,448	1,000	167	3,000	2,000	offset by disposal revenue	
	Total City Clean Up		887	1,784	2,073	-	3,448	1,000	167	17%	3,000	200%	2,000
100-43245-384	Refuse/Garbage Disposal	RECYCLING	33,931	36,112	37,745	38,298	40,446	40,000	13,811	44,000	4,000	residential recycling service addt. houses	
	Total Recycling		33,931	36,112	37,745	38,298	40,446	40,000	13,811	35%	44,000	10%	4,000
	Total Public Works		249,428	341,883	325,925	316,643	377,647	481,373	146,426	30%	524,643	9%	43,270

Culture & Recreation

100-45186-437	Senior Center Contribution	SENIOR CENTER	7,654	5,330	7,016	7,905	8,140	8,700		9,100	400	provided by St. Michael	
	Total Senior Center Contribution		7,654	5,330	7,016	7,905	8,140	8,700	-	0%	9,100	5%	400
100-45200-212	Motor Fuels	PARKS	1,958	-	1,478	1,214	1,933	2,000	47	2,000	0	lawn mower fuel	
100-45200-220	Repair/Maintenance Supply	PARKS	4,477	4,513	4,599	3,428	5,642	5,000	-	6,000	1,000	mower repairs, park maintenance equipment	
100-45200-225	Landscaping Materials	PARKS	1,788	2,625	4,356	4,638	3,701	8,000	1,086	8,000	0	wood chips, seed, soil, fertilizer, etc.	
100-45200-310	Other Professional Services	PARKS		-	6,280	6,500	6,800	7,000	7,000	7,200	200	FYCC Costs	
100-45200-381	Electric Utilities	PARKS	1,932	2,054	2,265	2,981	2,071	2,200	570	2,200	0		
100-45200-400	Repairs & Maintenance Contract	PARKS	4,469	2,249	1,939	112	-	1,500	-	-	(1,500)		
100-45200-440	Programs	PARKS	4,992	9,041	2,216	1,945	2,529	3,000	449	1,000	(2,000)	city hosted events (less concert in park)	
100-45200-580	Other Equipment	PARKS	2,711	7,190	7,606	4,070	4,188	8,000	2,446	8,000	0	Porta Potty Cleaning, replace old Biff's	
	Total Parks		22,610	27,852	30,739	24,887	26,865	36,700	11,599	32%	34,400	-6%	(2,300)
100-45500-437	Contribution & Operation	ROY SIMMS LIBRARY	7,000	5,250	10,428	11,240	10,638	11,500	4,600	11,600	100	\$7K bond plus \$4,600 operation	
	Total Roy Simms Library		7,000	5,250	10,428	11,240	10,638	11,500	4,600	40%	11,600	1%	100
	Total Culture & Rec		37,264	38,432	48,183	44,032	45,643	56,900	16,198	28%	55,100	-3%	(1,800)

Transfers Out

100-49360-700	Transfer Out	GENERAL CAPITAL	100,000		250,000			-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	PARKS CAPITAL	-		148,570			-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	FIRE DEPT CAPITAL	20,000	52,300	31,000	74,151	45,814	-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	HISTORICAL FUND	10,000					-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	CITY HALL FUND	30,000		74,093			-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	EQUIPMENT FUND	32,500	55,000				-	-	-	0	eliminated as an operating expense	
100-49360-700	Transfer Out	STREET CAPITAL	100,000	369,000		150,000		-	-	-	0	eliminated as an operating expense	
	Total Transfers Out		292,500	476,300	503,663	224,151	45,814	-	-	#DIV/0!	-	#DIV/0!	-

Transit

100-49800-310	Other Professional Services	TRANSIT	1,107		250	187	489	-	-	-	0		
	Total Transit		1,107	-	250	187	489	-	-	#DIV/0!	-	#DIV/0!	-
	Total Fund Expend.		1,337,641	1,704,187	1,744,728	1,459,964	1,411,633	1,554,656	444,903	29%	1,629,506	5%	60,317
	Total Revenue Over Expenditures		373,087	(125,848)	(318,698)	58,456	106,787	618	(336,728)	-54487%	(0)	-100%	(60,317)

Fire Department Cost for Services Calculation

2020 Estimated Market Values	HC	WC	TOTAL	
City of Corcoran	\$211,203,200		\$211,203,200	24.57%
City of Greenfield	\$147,305,100		\$147,305,100	17.14%
City of Hanover	\$90,181,600	\$301,191,200	\$391,372,800	45.54%
Rockford Township		\$109,568,400	\$109,568,400	12.75%
	<hr/>	<hr/>	<hr/>	<hr/>
	\$448,689,900	\$410,759,600	\$859,449,500	100.00%

Total Calls by Year	2014	2015	2016	2017	2018	Total	Average	
City of Corcoran	34	34	50	43	44	205	41	22.88%
City of Greenfield	12	12	42	24	19	109	21.8	12.17%
City of Hanover	73	73	103	82	138	469	93.8	52.34%
Rockford Township	28	28	22	13	22	113	22.6	12.61%
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	147	147	217	162	223	896	179.2	100.00%

2020 Budget: 310,976.90 Total Budgeted Expenditures (General Fund, Bonds, Capital Transfer)
 (39,000.00) State FRA Pension Contribution
\$271,976.90 Amount to be allocated

Payment from City is based on dividing the budget in half and then determining costs based on Market Value and Total Calls.

	MV %	MV Pymt.	CH %	CH Pymt.	Payment
City of Corcoran	24.57%	33,418.13	22.88%	31,113.43	64,531.56
City of Greenfield	17.14%	23,307.70	12.17%	16,543.24	39,850.94
City of Hanover	45.54%	61,925.90	52.34%	71,181.45	133,107.35
Rockford Township	12.75%	17,336.72	12.61%	17,150.33	34,487.05
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	100.00%	135,988.45	100.00%	135,988.45	271,976.90
		135,988.45		135,988.45	

2019 Payment Per City:		2020 Payment Per City:	% Change
City of Corcoran	\$65,306.31	City of Corcoran	\$64,531.56 -1%
City of Greenfield	\$40,631.65	City of Greenfield	\$39,850.94 -2%
City of Hanover	\$130,281.27	City of Hanover	\$133,107.35 2%
Rockford Township	\$36,114.27	Rockford Township	\$34,487.05 -5%
	<hr/>		<hr/>
	\$272,333.50		\$271,976.90

Capital Improvement Fund Levy Revenue

Fund No.	Account Description	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	2020 Budget	% Change	Comments
401	General	100,000								
402	Parks				25,000	25,000	25,000	25,000		
403	Fire Department	20,000	24,000	30,000	104,151	60,000	101,045	60,000		
404	Historical Projects	10,000								
407	TIF Redev. Dist #1									
408	8th St. Project									
411	Facilities	30,000			-					
417	Equipment	32,500	55,000	65,000	52,348	15,000	20,000	50,000		
418	Street Project	100,000	190,000	215,000	310,000	152,880	169,806	155,930		
Total Revenue		292,500	269,000	310,000	491,499	252,880	315,851	290,930	83%	

City of Hanover
Debt Services

2008A GO CIP Refunding Bond Fund

Acct No.	Account Description	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	2020 Budget	% Change
<u>Revenue Accounts</u>									
311-31000	PROPERTY TAXES-CITY	40,934	39,770	38,604	42,688	41,256	39,821	43,638	
311-33410	MV CREDIT								
311-36210	INTEREST EARNINGS	50	400	344	688	827	0	600	
311-36215	INVESTMENT INCOME/LOSS	413	(92)	289	(284)	35	0	0	
311-39100	BOND PROCEEDS								
311-39200	TRANSFERS IN								
Total Revenue		41,397	40,079	39,238	43,092	42,119	39,821	44,238	10%
<u>Expenditure Accounts</u>									
311-47000-601	DS: PRINCIPAL	70,000	25,000	30,000	30,000	30,000	35,000	35,000	
311-47000-611	DS: INTEREST	11,030	9,448	8,338	7,320	6,210	4,973	3,607	
311-47000-620	DS: FISCAL AGENT FEES	495	495	425	495	495	495	495	
Total Expenditures		81,525	34,943	38,763	37,815	36,705	40,468	39,102	-2%
Total Revenue Over Expenditures		(40,128)	5,136	475	5,277	5,414	(646)	5,136	-112%

*Last payment made in 2022

**City of Hanover
Debt Services**

2011 GO Improvement Crossover Refunding Bond Fund

Acct No.	Account Description	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	2020 Budget	% Change
<u>Revenue Accounts</u>									
314-31000	PROPERTY TAXES-CITY	74,174	110,246	125,400	124,490	134,080	132,803	136,146	
314-33410	MV CREDIT								
314-36100	SPECIAL ASSESSMENTS	93,196	71,146	62,387	43,450	41,318		35,000	
314-36210	INTEREST EARNINGS	417	3,965	5,559	5,717	7,474		6,000	
314-36215	INVESTMENT INCOME/LOSS	4,553	(299)	(270)	(2,168)	(2,777)		(2,000)	
314-39100	BOND PROCEEDS								
314-39200	TRANSFERS IN								
Revenue Accounts		172,341	185,058	193,076	171,489	180,096	132,803	175,146	-11%
<u>Expenditure Accounts</u>									
314-47000-601	DS: PRINCIPAL	125,000	125,000	140,000	140,000	150,000	150,000	155,000	
314-47000-611	DS: INTEREST	25,775	23,275	20,775	17,975	15,175	12,025	8,275	
314-47000-620	DS: FISCAL AGENT FEES	495	495	495	495	495	495	495	
	BALANCING (Fund 309 residuals)								
Total Expenditures		151,270	148,770	161,270	158,470	165,670	162,520	163,770	-2%
Total Revenue Over Expenditures		21,071	36,288	31,806	13,019	14,426	(29,717)	11,376	-59%

*Last payment made in 2021

City of Hanover
Debt Services

2016 GO Public Works Building Bond

Acct No.	Account Description	2014 Actual	2015 Actual	2016 Budget	2017 Actual	2018 Actual	2019 Budget	2020 Budget	% Change
<u>Revenue Accounts</u>									
315-31000	PROPERTY TAXES-CITY				110,036	105,236	109,636	108,510	
315-36210	INTEREST EARNINGS				358	581		450	
315-36215	INVESTMENT INCOME/LOSS				(175)	115		0	
315-39100	BOND PROCEEDS								
315-39200	TRANSFERS IN								
Revenue Accounts		-	-	\$ -	\$ 110,219	\$ 105,932	\$ 109,636	\$ 108,960	#DIV/0!
<u>Expenditure Accounts</u>									
315-47000-601	DS: PRINCIPAL				0	60,000	60,000	65,000	
315-47000-611	DS: INTEREST				24,249	40,630	39,820	38,879	
315-47000-620	DS: FISCAL AGENT FEES					0	495	495	
Total Expenditures		\$ -	\$ -	\$ -	\$ 24,249	\$ 100,630	\$ 100,315	\$ 104,374	#DIV/0!
Total Revenue Over Expenditures		-	-	\$ -	\$ 85,970	\$ 5,302	\$ 9,321	\$ 4,586	#DIV/0!

Debt Services

Minnesota PFA Loan

Acct No.	Account Description	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Budget	2020 Budget	% Change
<i>Expenditure Accounts</i>									
602-47000-601	PRINCIPAL			95,000	98,000	100,000	102,000	95,000	
602-47000-611	INTEREST		12,463	11,221	9,046	6,801	4,511	2,176	
Total Expenditures			12,463	106,221	107,046	106,801	106,511	97,176	1%

**last payment made in 2020*

Total Debt Services Expenditures	196,176	306,254	327,580	409,806	409,814	404,421	25%
Total Debt Services Tax Revenues	150,016	164,004	277,214	280,572	282,260	288,293	2%
Total Debt Services Non-Tax Revenues	75,120	68,309	47,587	47,575	0	40,050	-100%
Total Debt Expenditures Paid by Levy	183,713	200,033	220,534	303,005	303,303	307,246	38%
				principal		347,000	
				Interest/Agent		62,814	

PRELIMINARY LEVY CERTIFIED

Bond Register/Debt Levy Supplement

Bond Issues	Original Principal	Date Issued	Paid by Levy Dollars (Y/N)	Debt Levy per Issued Bond for Pay 2020	Reductions to Levied Amount	Certified Debt Levy 2020
GO Wastewater Treatment Note - Mn PFA	\$1,909,275	1999	N	\$0.00	\$0.00	\$0.00
GO Improvement Plan Refunding	\$660,000	2008	Y	\$43,638.00	\$0.00	\$43,638.00
GO Improvement Crossover Refunding	\$1,225,000	2011	Y	\$136,145.74	\$0.00	\$136,145.74
GO Bond Capital Improvement	\$1,535,000	2016	Y	\$108,509.63	\$0.00	\$108,509.63
Total	\$3,420,000			\$288,293	\$0.00	\$288,293.37

I hereby certify that the above schedule of bond levies to be spread on payable 2020 tax rolls agrees with your records and is true and correct. Copies of any resolutions which increase or reduce these levies are attached.

Dated this ___th day of September, 2019.

Brian Hagen, City Administrator

PRELIMINARY LEVY CERTIFIED

**STATE of MINNESOTA
COUNTY of WRIGHT
CITY OF HANOVER**

Return by: September ____, 2019
City Taxes Voted

To the Auditor of Wright County: I hereby certify that the Council for the City of Hanover, County of Wright, Minnesota, did at a meeting on September ____, 2019 levy the following amount to be raised by taxation for the City of Hanover for the payable year 2020.

2019 Final

2020 Preliminary

2019 Budget Requirement	2019 LGA	2019 Other Resources	2019 Tax Levy	# Fund	2020 Budget Requirement	2020 LGA	2020 Other Resources	2020 Certified Levy
1,303,321	118,253	165,409	1,019,659	5 Rev	1,378,529	124,857	171,909	1,081,763
251,334	39,000	110,755	101,578	7 Fire Prot.	250,977	39,000	107,573	104,404
303,303		21,042	282,260	19 Debt Services	307,246		18,952	288,293
274,806		31,297	243,509	26 Capital Improv.	290,930		31,297	259,633
2,132,763	157,253	328,504	1,647,006	Total	2,227,682	163,857	329,731	1,734,094

Dated this ____th day of September, 2019.

Brian Hagen, City Administrator

Preliminary Levy Certification	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Capacity	3,282,608	3,076,226	2,808,041	2,547,684	2,367,113	2,385,758	2,644,071	2,850,350	3,002,592	3,347,361	3,637,226	3,645,576
Levy	1,277,851	1,277,851	1,270,270	1,268,303	1,268,286	1,268,280	1,308,954	1,410,972	1,486,286	1,544,804	1,647,006	1,734,094
Rate	38.93%	41.54%	45.24%	49.78%	53.58%	53.16%	49.51%	49.50%	49.50%	46.15%	45.28%	47.57%

Tax Capacity:	
HC	900,057
WC	<u>2,745,519</u>
	<u>3,645,576</u>



City of Hanover Capital Improvement Plan - 3% Increase to Debt Serv. & Cap. Funds

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
FACILITIES										
Beginning Fund Balance	\$710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$710,000
Less Use of Funds										
Public works facility completion	\$710,000	\$514,537								\$1,224,537
Old public works remodel										\$0
City Hall Reno										\$0
Community hall roof furnace										\$0
Total Use of Funds	\$710,000	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,224,537
Plus Source of Funds										
Bond proceeds										\$0
Tax levy										\$0
Transfer In		\$514,537								\$514,537
Utility revenue										\$0
Grants										\$0
Total Source of Funds	\$0	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$514,537
Change in Fund Balance	-\$710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$710,000
Ending Fund Balance	\$0									
EQUIPMENT										
Beginning Fund Balance	\$108,669	\$157,995	\$126,327	\$46,327	\$31,327	\$26,327	\$153,327	\$78,327	\$128,327	\$108,669
Less Use of Funds										
Skid loader	\$4,000	\$3,661								\$7,661
2005 Lawnmower zero turn		\$0			\$15,000					\$15,000
2007 freightliner plow truck										\$0
New Single Axle Plow Truck						\$235,000				\$235,000
1-ton truck chassis replace/box refurb		\$0	\$100,000							\$100,000
2005 Woodchipper		\$19,500								\$19,500
2000 Bucket truck		\$20,628								\$20,628
2008 Toro Groundmaster Mower							\$75,000			\$75,000
1999 Elgin Street Sweeper										\$0
1989 Chevy Grass Truck										\$0
2012 Ford F250 replace w/Crew Cab					\$40,000					\$40,000
2013 John Deere 544K Loader										\$0
2013 Doolittle Dump Trailer										\$0
2019 Felling Deckover Trailer										\$0
2018 Kubota Excavator										\$0
2011 Kubota RTV										\$0
Bobcat Tool Cat				\$65,000						\$65,000
Year Liftstation Generator										\$0
Other equipment (annual allocation)		\$3,200								\$3,200
Total Use of Funds	\$4,000	\$46,989	\$100,000	\$65,000	\$55,000	\$235,000	\$75,000	\$0	\$0	\$580,989



City of Hanover Capital Improvement Plan - 3% Increase to Debt Serv. & Cap. Funds

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Plus Source of Funds										
Bond proceeds						\$310,000				\$310,000
Tax levy	\$52,348	\$15,000	\$20,000	\$50,000	\$50,000	\$52,000	\$0	\$50,000	\$50,000	\$339,348
Transfer In										\$0
Utility revenue										\$0
Grants	\$978	\$320								\$1,298
Total Source of Funds	\$53,326	\$15,320	\$20,000	\$50,000	\$50,000	\$362,000	\$0	\$50,000	\$50,000	\$650,646
Change in Fund Balance	\$49,326	-\$31,669	-\$80,000	-\$15,000	-\$5,000	\$127,000	-\$75,000	\$50,000	\$50,000	\$69,657
Ending Fund Balance	\$157,995	\$126,327	\$46,327	\$31,327	\$26,327	\$153,327	\$78,327	\$128,327	\$178,327	\$178,327

STREETS

Beginning Fund Balance	\$464,658	\$724,017	\$102,548	\$171,057	\$376,986	\$398,814	\$399,407	\$557,375	\$399,211	\$464,658
Less Use of Funds										
Street rehabilitation projects				\$650,000		\$650,000		\$650,000		\$1,950,000
Street reconstruction projects										\$0
Street Chip Seal			\$100,000		\$100,000		\$100,000		\$100,000	\$400,000
Other street projects	\$54,658	\$774,953								\$829,611
Total Use of Funds	\$54,658	\$774,953	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$3,179,611
Plus Source of Funds										\$0
Bond proceeds			\$0	\$650,000		\$335,000		\$220,000		\$1,205,000
Tax Levy	\$160,000	\$152,880	\$168,509	\$155,930	\$121,827	\$265,593	\$257,968	\$221,836	\$231,749	\$1,736,293
Transfer In	\$150,000			\$50,000		\$50,000		\$50,000		\$300,000
Utility revenue										\$0
Grants	\$4,018	\$603								\$4,620
Total Source of Funds	\$314,018	\$153,483	\$168,509	\$855,930	\$121,827	\$650,593	\$257,968	\$491,836	\$231,749	\$3,245,913
Change in Fund Balance	\$259,359	-\$621,470	\$68,509	\$205,930	\$21,827	\$593	\$157,968	-\$158,164	\$131,749	\$66,302
Ending Fund Balance	\$724,017	\$102,548	\$171,057	\$376,986	\$398,814	\$399,407	\$557,375	\$399,211	\$530,960	\$530,960

PARKS

Beginning Fund Balance	\$50,000	\$63,950	\$24,802	\$97,302	\$119,802	\$142,302	\$164,802	\$187,302	\$212,302	\$50,000
Less Use of Funds										
2004 Settlers Park Playground										\$0
2008 Cardinal Park										\$0
1997 Eagleview Park										\$0
2008 Mallards Landing Park										\$0
2004 Pheasant Run Park										\$0
2007 Bridgeview Park										\$0
2014 Beebe Lake trail										\$0
CSAH 19 Trail (Wright County Portion)										\$0
River Rd NE Trail										\$0
Misc Trail										\$0



City of Hanover Capital Improvement Plan - 3% Increase to Debt Serv. & Cap. Funds

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Playground Concrete Apron	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Total Use of Funds	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Plus Source of Funds										
Bond proceeds										\$0
Tax Levy	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$225,000
Transfer In										\$0
Utility revenue										\$0
Grants	\$68,559	\$58,480	\$50,000							\$177,039
Total Source of Funds	\$93,559	\$83,480	\$75,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$402,039
Change in Fund Balance	\$13,950	-\$39,148	\$72,500	\$22,500	\$22,500	\$22,500	\$22,500	\$25,000	\$25,000	\$187,302
Ending Fund Balance	\$63,950	\$24,802	\$97,302	\$119,802	\$142,302	\$164,802	\$187,302	\$212,302	\$237,302	\$237,302

FIRE DEPARTMENT

Beginning Fund Balance	\$224,099	\$238,559	\$334,149	\$274,149	\$334,149	\$394,149	\$254,149	-\$10,851	\$49,149	\$224,099
Less Use of Funds										
Equipment	\$91,237	\$9,525								\$100,762
SCBAs			\$120,000							\$120,000
Replace Engine 12						\$800,000				\$800,000
Replace Tanker 12							\$325,000			\$325,000
Other										\$0
Total Use of Funds	\$91,237	\$9,525	\$120,000	\$0	\$0	\$800,000	\$325,000	\$0	\$0	\$1,345,762
Plus Source of Funds										
Bond proceeds						\$600,000				\$600,000
Tax Levy	\$30,000	\$60,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$300,000
Transfer in	\$74,151	\$41,045	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$325,196
Utility revenue										\$0
Grants	\$1,546	\$4,070								\$5,615
Total Source of Funds	\$105,697	\$105,115	\$60,000	\$60,000	\$60,000	\$660,000	\$60,000	\$60,000	\$60,000	\$1,230,812
Change in Fund Balance	\$14,460	\$95,590	-\$60,000	\$60,000	\$60,000	-\$140,000	-\$265,000	\$60,000	\$60,000	-\$114,951
Ending Fund Balance	\$238,559	\$334,149	\$274,149	\$334,149	\$394,149	\$254,149	-\$10,851	\$49,149	\$109,149	\$109,149

OTHER CAPITAL

Beginning Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less Use of Funds										
Historical bridge										\$0
Other										\$0
Total Use of Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Source of Funds										
Bond proceeds										\$0
Tax Levy										\$0
Transfer In										\$0
Utility revenue										\$0
Grants										\$0



City of Hanover Capital Improvement Plan - 3% Increase to Debt Serv. & Cap. Funds

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Total Source of Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Change in Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ending Fund Balance	\$0									

COMBINED TOTAL CIP

Beginning Fund Balance	\$1,557,426	\$1,184,522	\$587,825	\$588,834	\$862,264	\$961,591	\$971,685	\$812,152	\$788,988	\$1,557,426
Less Use of Funds										
Facilities	\$710,000	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,224,537
Equipment	\$4,000	\$46,989	\$100,000	\$65,000	\$55,000	\$235,000	\$75,000	\$0	\$0	\$580,989
Streets	\$54,658	\$774,953	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$3,179,611
Parks	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Fire Department	\$91,237	\$9,525	\$120,000	\$0	\$0	\$800,000	\$325,000	\$0	\$0	\$1,345,762
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Use of Funds	\$939,504	\$1,468,631	\$322,500	\$717,500	\$157,500	\$1,687,500	\$502,500	\$650,000	\$100,000	\$6,545,636
Plus Source of Funds										
Bond proceeds	\$0	\$0	\$0	\$650,000	\$0	\$1,245,000	\$0	\$220,000	\$0	\$2,115,000
Tax Levy	\$267,348	\$252,880	\$243,509	\$260,930	\$226,827	\$372,593	\$312,968	\$326,836	\$336,749	\$2,600,641
Transfer In	\$224,151	\$555,582	\$30,000	\$80,000	\$30,000	\$80,000	\$30,000	\$80,000	\$30,000	\$1,139,733
Utility revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$75,101	\$63,472	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$188,573
Total Source of Funds	\$566,600	\$871,934	\$323,509	\$990,930	\$256,827	\$1,697,593	\$342,968	\$626,836	\$366,749	\$6,043,946
Change in Fund Balance	-\$372,904	-\$596,697	\$1,009	\$273,430	\$99,327	\$10,093	-\$159,532	-\$23,164	\$266,749	-\$501,689
Ending Fund Balance	\$1,184,522	\$587,825	\$588,834	\$862,264	\$961,591	\$971,685	\$812,152	\$788,988	\$1,055,737	\$1,055,737

Tax Levy for CIP and Debt

Tax levy for CIP	\$267,348	\$252,880	\$243,509	\$260,930	\$226,827	\$372,593	\$312,968	\$326,836	\$336,749	\$2,600,641
Tax levy for debt service (includes 5% overlevy)	\$277,214	\$280,571	\$282,260	\$280,612	\$330,961	\$201,929	\$278,847	\$282,732	\$290,970	\$2,506,096
Total tax levy for CIP and debt service	\$544,562	\$533,451	\$525,769	\$541,542	\$557,788	\$574,522	\$591,815	\$609,568	\$627,719	\$5,106,737
<i>Annual % change</i>		-2.0%	-1.4%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
<i>Annual \$ change</i>		-\$11,111	-\$7,682	\$15,773	\$16,246	\$16,734	\$17,293	\$17,753	\$18,151	

Debt Service

Beginning Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less Principal and Interest Payments by Fiscal Year										
1999 G.O. Sewer Bonds	\$120,374	\$119,855	\$120,290	\$118,656	\$0	\$0	\$0	\$0	\$0	\$479,175
2008A G.O. CIP Refunding Bonds	\$37,320	\$36,210	\$39,973	\$38,608	\$37,243	\$40,780	\$0	\$0	\$0	\$230,133
2009A G.O. Bonds (Called on 2/1/2017)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2010 G.O. Equipment	\$21,714	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,714
2011A G.O. Bonds	\$157,975	\$165,175	\$162,025	\$163,275	\$164,400	\$0	\$0	\$0	\$0	\$812,850
2016A G.O. Bonds	\$0	\$104,796	\$100,225	\$104,415	\$103,343	\$102,270	\$100,970	\$104,670	\$103,270	\$823,959
Reconciling adjustment to actual certified					\$5,644					



City of Hanover Capital Improvement Plan - 3% Increase to Debt Serv. & Cap. Funds

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
2019 G.O. Bonds (15yrs, 4% rate) PROJ				\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020 G.O. Bonds (20yrs, 4% rate) PROJ					\$49,263	\$49,263	\$49,263	\$49,263	\$49,263	\$246,315
2021 G.O. Bonds (15yrs, 4% rate) PROJ						\$0	\$0	\$0	\$0	\$0
2022 G.O. Bonds (15yrs, 4% rate) PROJ							\$115,336	\$115,336	\$115,336	\$346,008
2023 G.O. Bonds (15yrs, 4% rate) PROJ								\$0	\$0	\$0
2024 G.O. Bonds (15yrs, 4% rate) PROJ									\$20,381	\$20,381
2025 G.O. Bonds (15yrs, 4% rate) PROJ										\$0
Total Use of Funds	\$337,383	\$426,036	\$428,157	\$424,954	\$354,248	\$192,313	\$265,569	\$269,269	\$288,250	\$2,980,534
Plus Source of Funds										
Tax levy (includes 5% overlevy)	\$277,214	\$280,490	\$282,260	\$280,612	\$330,961	\$201,929	\$278,847	\$282,732	\$290,970	\$2,506,016
Special assessments	\$41,000	\$41,000	\$41,000	\$41,000	\$41,000	\$0	\$0	\$0	\$11,692	\$216,692
Sewer revenue	\$120,374	\$119,855	\$120,290	\$118,656	\$0	\$0	\$0	\$0	\$0	\$479,175
Interest income										\$0
Other										\$0
Total	\$438,588	\$441,345	\$443,550	\$440,269	\$371,961	\$201,929	\$278,847	\$282,732	\$302,662	\$3,201,883
Ending Fund Balance	\$101,205	\$15,309	\$15,393	\$15,315	\$17,712	\$9,616	\$13,278	\$13,463	\$14,412	\$221,349

Details for Estimate of Annual Special Assessment Revenue (P+I)

Source of Funds (Special Assessment Principal and Interest Collected)	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
2009A	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$30,000
2011A (refunded 2006A)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$0	\$0	\$0	\$0	\$175,000
2016A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019A									\$0	\$0
2020A									\$0	\$0
2021A									\$0	\$0
2022A									\$0	\$0
2023A									\$0	\$0
2024A									\$11,692	\$11,692
Total	\$41,000	\$41,000	\$41,000	\$41,000	\$41,000	\$0	\$0	\$0	\$11,692	\$216,692

Property Tax Impact on Residential and Commercial

Residential Homestead Taxable Market Value:

\$125,000	\$476.78	\$487.16	-\$2.09	\$4.29	\$4.42	\$4.56	\$4.71	\$4.83
\$175,000	\$739.22	\$755.32	-\$3.24	\$6.66	\$6.86	\$7.06	\$7.30	\$7.49
\$225,000	\$1,001.66	\$1,023.47	-\$4.39	\$9.02	\$9.29	\$9.57	\$9.89	\$10.15
\$275,000	\$1,264.10	\$1,291.63	-\$5.54	\$11.38	\$11.73	\$12.08	\$12.48	\$12.81
\$325,000	\$1,526.54	\$1,559.79	-\$6.70	\$13.75	\$14.16	\$14.58	\$15.07	\$15.47
\$375,000	\$1,788.98	\$1,827.95	-\$7.85	\$16.11	\$16.59	\$17.09	\$17.66	\$18.13
\$425,000	\$2,046.56	\$2,091.13	-\$8.98	\$18.43	\$18.98	\$19.55	\$20.21	\$20.74

Commercial Taxable Market Value:

\$1,000,000	\$9,269.70	\$9,471.60	-\$40.66	\$83.48	\$85.98	\$88.56	\$91.53	\$93.96
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City of Hanover Capital Improvement Plan - 5% Increase to Debt Serv. & Cap. Fund

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
FACILITIES										
Beginning Fund Balance	\$710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$710,000
Less Use of Funds										
Public works facility completion	\$710,000	\$514,537								\$1,224,537
Old public works remodel										\$0
City Hall Reno										\$0
Community hall roof furnace										\$0
Total Use of Funds	\$710,000	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,224,537
Plus Source of Funds										
Bond proceeds										\$0
Tax levy										\$0
Transfer In		\$514,537								\$514,537
Utility revenue										\$0
Grants										\$0
Total Source of Funds	\$0	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$514,537
Change in Fund Balance	-\$710,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$710,000
Ending Fund Balance	\$0									
EQUIPMENT										
Beginning Fund Balance	\$108,669	\$157,995	\$126,327	\$46,327	\$31,327	\$26,327	\$153,327	\$78,327	\$128,327	\$108,669
Less Use of Funds										
Skid loader	\$4,000	\$3,661								\$7,661
2005 Lawnmower zero turn		\$0			\$15,000					\$15,000
2007 freightliner plow truck										\$0
New Single Axle Plow Truck						\$235,000				\$235,000
1-ton truck chassis replace/box refurb		\$0	\$100,000							\$100,000
2005 Woodchipper		\$19,500								\$19,500
2000 Bucket truck		\$20,628								\$20,628
2008 Toro Groundmaster Mower							\$75,000			\$75,000
1999 Elgin Street Sweeper										\$0
1989 Chevy Grass Truck										\$0
2012 Ford F250 replace w/Crew Cab					\$40,000					\$40,000
2013 John Deere 544K Loader										\$0
2013 Doolittle Dump Trailer										\$0
2019 Felling Deckover Trailer										\$0
2018 Kubota Excavator										\$0
2011 Kubota RTV										\$0
Bobcat Tool Cat				\$65,000						\$65,000
Year Liftstation Generator										\$0
Other equipment (annual allocation)		\$3,200								\$3,200
Total Use of Funds	\$4,000	\$46,989	\$100,000	\$65,000	\$55,000	\$235,000	\$75,000	\$0	\$0	\$580,989



City of Hanover Capital Improvement Plan - 5% Increase to Debt Serv. & Cap. Fund

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Plus Source of Funds										
Bond proceeds						\$310,000				\$310,000
Tax levy	\$52,348	\$15,000	\$20,000	\$50,000	\$50,000	\$52,000	\$0	\$50,000	\$50,000	\$339,348
Transfer In										\$0
Utility revenue										\$0
Grants	\$978	\$320								\$1,298
Total Source of Funds	\$53,326	\$15,320	\$20,000	\$50,000	\$50,000	\$362,000	\$0	\$50,000	\$50,000	\$650,646
Change in Fund Balance	\$49,326	-\$31,669	-\$80,000	-\$15,000	-\$5,000	\$127,000	-\$75,000	\$50,000	\$50,000	\$69,657
Ending Fund Balance	\$157,995	\$126,327	\$46,327	\$31,327	\$26,327	\$153,327	\$78,327	\$128,327	\$178,327	\$178,327

STREETS

Beginning Fund Balance	\$464,658	\$724,017	\$102,548	\$171,057	\$387,502	\$431,201	\$530,916	\$729,821	\$406,796	\$464,658
Less Use of Funds										
Street rehabilitation projects				\$650,000		\$650,000		\$650,000		\$1,950,000
Street reconstruction projects										\$0
Street Chip Seal			\$100,000		\$100,000		\$100,000		\$100,000	\$400,000
Other street projects	\$54,658	\$774,953								\$829,611
Total Use of Funds	\$54,658	\$774,953	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$3,179,611
Plus Source of Funds										
Bond proceeds			\$0	\$650,000		\$400,000				\$1,050,000
Tax Levy	\$160,000	\$152,880	\$168,509	\$166,445	\$143,699	\$299,715	\$298,905	\$276,974	\$323,443	\$1,990,571
Transfer In	\$150,000			\$50,000		\$50,000		\$50,000		\$300,000
Utility revenue										\$0
Grants	\$4,018	\$603								\$4,620
Total Source of Funds	\$314,018	\$153,483	\$168,509	\$866,445	\$143,699	\$749,715	\$298,905	\$326,974	\$323,443	\$3,345,192
Change in Fund Balance	\$259,359	-\$621,470	\$68,509	\$216,445	\$43,699	\$99,715	\$198,905	-\$323,026	\$223,443	\$165,580
Ending Fund Balance	\$724,017	\$102,548	\$171,057	\$387,502	\$431,201	\$530,916	\$729,821	\$406,796	\$630,238	\$630,238

PARKS

Beginning Fund Balance	\$50,000	\$63,950	\$24,802	\$97,302	\$119,802	\$142,302	\$164,802	\$187,302	\$212,302	\$50,000
Less Use of Funds										
2004 Settlers Park Playground										\$0
2008 Cardinal Park										\$0
1997 Eagleview Park										\$0
2008 Mallards Landing Park										\$0
2004 Pheasant Run Park										\$0
2007 Bridgeview Park										\$0
2014 Beebe Lake trail										\$0
CSAH 19 Trail (Wright County Portion)										\$0
River Rd NE Trail										\$0
Misc Trail										\$0



City of Hanover Capital Improvement Plan - 5% Increase to Debt Serv. & Cap. Fund

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Playground Concrete Apron	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Total Use of Funds	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Plus Source of Funds										
Bond proceeds										\$0
Tax Levy	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$225,000
Transfer In										\$0
Utility revenue										\$0
Grants	\$68,559	\$58,480	\$50,000							\$177,039
Total Source of Funds	\$93,559	\$83,480	\$75,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$402,039
Change in Fund Balance	\$13,950	-\$39,148	\$72,500	\$22,500	\$22,500	\$22,500	\$22,500	\$25,000	\$25,000	\$187,302
Ending Fund Balance	\$63,950	\$24,802	\$97,302	\$119,802	\$142,302	\$164,802	\$187,302	\$212,302	\$237,302	\$237,302

FIRE DEPARTMENT

Beginning Fund Balance	\$224,099	\$238,559	\$334,149	\$274,149	\$334,149	\$394,149	\$254,149	-\$10,851	\$49,149	\$224,099
Less Use of Funds										
Equipment	\$91,237	\$9,525								\$100,762
SCBAs			\$120,000							\$120,000
Replace Engine 12						\$800,000				\$800,000
Replace Tanker 12							\$325,000			\$325,000
Other										\$0
Total Use of Funds	\$91,237	\$9,525	\$120,000	\$0	\$0	\$800,000	\$325,000	\$0	\$0	\$1,345,762
Plus Source of Funds										
Bond proceeds						\$600,000				\$600,000
Tax Levy	\$30,000	\$60,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$300,000
Transfer in	\$74,151	\$41,045	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$325,196
Utility revenue										\$0
Grants	\$1,546	\$4,070								\$5,615
Total Source of Funds	\$105,697	\$105,115	\$60,000	\$60,000	\$60,000	\$660,000	\$60,000	\$60,000	\$60,000	\$1,230,812
Change in Fund Balance	\$14,460	\$95,590	-\$60,000	\$60,000	\$60,000	-\$140,000	-\$265,000	\$60,000	\$60,000	-\$114,951
Ending Fund Balance	\$238,559	\$334,149	\$274,149	\$334,149	\$394,149	\$254,149	-\$10,851	\$49,149	\$109,149	\$109,149

OTHER CAPITAL

Beginning Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less Use of Funds										
Historical bridge										\$0
Other										\$0
Total Use of Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Source of Funds										
Bond proceeds										\$0
Tax Levy										\$0
Transfer In										\$0
Utility revenue										\$0
Grants										\$0



City of Hanover Capital Improvement Plan - 5% Increase to Debt Serv. & Cap. Fund

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
Total Source of Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Change in Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ending Fund Balance	\$0									

COMBINED TOTAL CIP

Beginning Fund Balance	\$1,557,426	\$1,184,522	\$587,825	\$588,834	\$872,779	\$993,979	\$1,103,193	\$984,599	\$796,573	\$1,557,426
Less Use of Funds										
Facilities	\$710,000	\$514,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,224,537
Equipment	\$4,000	\$46,989	\$100,000	\$65,000	\$55,000	\$235,000	\$75,000	\$0	\$0	\$580,989
Streets	\$54,658	\$774,953	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$650,000	\$100,000	\$3,179,611
Parks	\$79,609	\$122,628	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$0	\$214,737
Fire Department	\$91,237	\$9,525	\$120,000	\$0	\$0	\$800,000	\$325,000	\$0	\$0	\$1,345,762
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Use of Funds	\$939,504	\$1,468,631	\$322,500	\$717,500	\$157,500	\$1,687,500	\$502,500	\$650,000	\$100,000	\$6,545,636
Plus Source of Funds										
Bond proceeds	\$0	\$0	\$0	\$650,000	\$0	\$1,310,000	\$0	\$0	\$0	\$1,960,000
Tax Levy	\$267,348	\$252,880	\$243,509	\$271,445	\$248,699	\$406,715	\$353,905	\$381,974	\$428,443	\$2,854,919
Transfer In	\$224,151	\$555,582	\$30,000	\$80,000	\$30,000	\$80,000	\$30,000	\$80,000	\$30,000	\$1,139,733
Utility revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$75,101	\$63,472	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$188,573
Total Source of Funds	\$566,600	\$871,934	\$323,509	\$1,001,445	\$278,699	\$1,796,715	\$383,905	\$461,974	\$458,443	\$6,143,225
Change in Fund Balance	-\$372,904	-\$596,697	\$1,009	\$283,945	\$121,199	\$109,215	-\$118,595	-\$188,026	\$358,443	-\$402,411
Ending Fund Balance	\$1,184,522	\$587,825	\$588,834	\$872,779	\$993,979	\$1,103,193	\$984,599	\$796,573	\$1,155,016	\$1,155,016

Tax Levy for CIP and Debt

Tax levy for CIP	\$267,348	\$252,880	\$243,509	\$271,445	\$248,699	\$406,715	\$353,905	\$381,974	\$428,443	\$2,854,919
Tax levy for debt service (includes 5% overlevy)	\$277,214	\$280,571	\$282,260	\$280,612	\$330,961	\$201,929	\$285,170	\$289,055	\$275,893	\$2,503,665
Total tax levy for CIP and debt service	\$544,562	\$533,451	\$525,769	\$552,057	\$579,660	\$608,643	\$639,076	\$671,029	\$704,336	\$5,358,584
<i>Annual % change</i>		-2.0%	-1.4%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	
<i>Annual \$ change</i>		-\$11,111	-\$7,682	\$26,288	\$27,603	\$28,983	\$30,432	\$31,954	\$33,306	

Debt Service

Beginning Fund Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less Principal and Interest Payments by Fiscal Year										
1999 G.O. Sewer Bonds	\$120,374	\$119,855	\$120,290	\$118,656	\$0	\$0	\$0	\$0	\$0	\$479,175
2008A G.O. CIP Refunding Bonds	\$37,320	\$36,210	\$39,973	\$38,608	\$37,243	\$40,780	\$0	\$0	\$0	\$230,133
2009A G.O. Bonds (Called on 2/1/2017)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2010 G.O. Equipment	\$21,714	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,714
2011A G.O. Bonds	\$157,975	\$165,175	\$162,025	\$163,275	\$164,400	\$0	\$0	\$0	\$0	\$812,850
2016A G.O. Bonds	\$0	\$104,796	\$100,225	\$104,415	\$103,343	\$102,270	\$100,970	\$104,670	\$103,270	\$823,959
Reconciling adjustment to actual certified				\$5,644						



City of Hanover Capital Improvement Plan - 5% Increase to Debt Serv. & Cap. Fund

	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021	Yr 2022	Yr 2023	Yr 2024	Yr 2025	Total
2019 G.O. Bonds (15yrs, 4% rate) PROJ				\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020 G.O. Bonds (20yrs, 4% rate) PROJ					\$49,263	\$49,263	\$49,263	\$49,263	\$49,263	\$246,315
2021 G.O. Bonds (15yrs, 4% rate) PROJ						\$0	\$0	\$0	\$0	\$0
2022 G.O. Bonds (15yrs, 4% rate) PROJ							\$121,358	\$121,358	\$121,358	\$364,073
2023 G.O. Bonds (15yrs, 4% rate) PROJ								\$0	\$0	\$0
2024 G.O. Bonds (15yrs, 4% rate) PROJ									\$0	\$0
2025 G.O. Bonds (15yrs, 4% rate) PROJ										\$0
Total Use of Funds	\$337,383	\$426,036	\$428,157	\$424,954	\$354,248	\$192,313	\$271,591	\$275,291	\$273,891	\$2,978,218
Plus Source of Funds										
Tax levy (includes 5% overlevy)	\$277,214	\$280,490	\$282,260	\$280,612	\$330,961	\$201,929	\$285,170	\$289,055	\$275,893	\$2,503,584
Special assessments	\$41,000	\$41,000	\$41,000	\$41,000	\$41,000	\$0	\$0	\$0	\$11,692	\$216,692
Sewer revenue	\$120,374	\$119,855	\$120,290	\$118,656	\$0	\$0	\$0	\$0	\$0	\$479,175
Interest income										\$0
Other										\$0
Total	\$438,588	\$441,345	\$443,550	\$440,269	\$371,961	\$201,929	\$285,170	\$289,055	\$287,585	\$3,199,451
Ending Fund Balance	\$101,205	\$15,309	\$15,393	\$15,315	\$17,712	\$9,616	\$13,580	\$13,765	\$13,695	\$221,233

Details for Estimate of Annual Special Assessment Revenue (P+I)

Source of Funds (Special Assessment Principal and Interest Collected)	2019A	2011A (refunded 2006A)	2016A	2019A	2020A	2021A	2022A	2023A	2024A	Total
2009A	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$0	\$0	\$0	\$30,000
2011A (refunded 2006A)	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$0	\$0	\$0	\$175,000
2016A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019A									\$0	\$0
2020A									\$0	\$0
2021A									\$0	\$0
2022A									\$0	\$0
2023A									\$0	\$0
2024A									\$11,692	\$11,692
Total	\$41,000	\$41,000	\$41,000	\$41,000	\$41,000	\$41,000	\$0	\$0	\$0	\$216,692

Property Tax Impact on Residential and Commercial

Residential Homestead Taxable Market Value:

\$125,000	\$476.78	\$487.16	-\$2.09	\$7.16	\$7.51	\$7.89	\$8.28	\$8.70
\$175,000	\$739.22	\$755.32	-\$3.24	\$11.10	\$11.65	\$12.23	\$12.84	\$13.49
\$225,000	\$1,001.66	\$1,023.47	-\$4.39	\$15.03	\$15.79	\$16.58	\$17.40	\$18.27
\$275,000	\$1,264.10	\$1,291.63	-\$5.54	\$18.97	\$19.92	\$20.92	\$21.96	\$23.06
\$325,000	\$1,526.54	\$1,559.79	-\$6.70	\$22.91	\$24.06	\$25.26	\$26.52	\$27.85
\$375,000	\$1,788.98	\$1,827.95	-\$7.85	\$26.85	\$28.19	\$29.60	\$31.08	\$32.64
\$425,000	\$2,046.56	\$2,091.13	-\$8.98	\$30.72	\$32.25	\$33.87	\$35.56	\$37.34

Commercial Taxable Market Value:

\$1,000,000	\$9,269.70	\$9,471.60	-\$40.66	\$139.13	\$146.09	\$153.39	\$161.06	\$169.12
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2019 PAVEMENT MANAGEMENT REPORT

CITY OF HANOVER

11250 5TH ST NE | HANOVER, MN 55341

JULY 2019

Pavement Management Report

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I. Executive Summary

This report is intended to be used as an update to the existing pavement management program in Hanover. This report includes an update to the pavement condition after the completion of the 2019 visual surface pavement inspections which included all the road segments within the City. This report is not intended to be a final document on public policy or planning and is subject to change upon review by the City Council.

The City recognizes the continued degradation of the city roadways and the need for a plan on maintaining and reconstructing the roadways which includes the current policy of preventative maintenance (treating the good roads) in addition to reactive maintenance (rebuilding the bad roads). The components of the Pavement Management Program include:

1. Pavement Conditions Report
2. Pavement Management Policies
3. Pavement Management Plan

The significant findings of this pavement condition update are shown below:

- There are currently approximately 19 miles of City roadways.
- The current weighted average OCI is 76.45.
- 38.5% of roadways are in “excellent” category requiring preventative maintenance.
- 44.4% of the roadways are in “good” category requiring preventative maintenance or preservation.
- 14.4% of roadways are in a “fair” category requiring preservation.
- 2.7% of roadways are in the “poor” category, requiring complete reconstruction.
- The City is currently chip sealing and patching the bituminous roads and maintaining the gravel roads each year.

II. INTRODUCTION

What is a Pavement Management Program?

A pavement management program is a systematic method of inspecting and rating the pavement condition for a network of roads. The system performs cost effective analysis of various maintenance and rehabilitation strategies, which assists decision makers in making the best decision on the use of available resources. The pavement management ideology, if implemented, can drastically improve the life cycle costs, performance and life of roads. The objective of a pavement management program is to maintain a high level network, measure the effectiveness of alternatives, and optimize cost effectiveness and timing of maintenance and construction activity. These objectives are usually met by implementing a system to regularly collect data and verify the condition of a system of roads. This data is typically managed within a computer database or pavement management program which can manage, sort and store the collected data. From this computer database, a variety of reports can be run to evaluate the types of repairs or preservation techniques that could be implemented in a cost effective manner. As part of the data analysis, models can be run allowing an agency to see the effect implemented budgets have on the overall network OCI. Models can also be run to determine the budget that would be required to maintain the OCI at a specific value. This information is crucial to decision makers in all aspects of pavement management planning.

The Pavement Management Program is comprised of three components: (1) the assessment of the current pavement conditions of the City's roadways and recommended maintenance and reconstruction actions, (2) policies which will guide the timing and type of maintenance actions and reconstruction activities and the financing of activities, and (3) a general schedule for the maintenance and reconstruction of the streets, and strategies for the financing of these activities.

Why establish a Pavement Management Program?

The City of Hanover is continuing to make improvements to their Pavement Management Program to preserve the City's asset of roadways, provide for the safe and efficient travel of its citizens, retain property values, keep the City attractive and desirable, and minimize costs to the property owners and taxpayers for the City.

The Pavement Management Program will provide a guide for the City to make strategic decisions related to roadway maintenance and reconstruction activities to maximize the useful life of pavement and to minimize maintenance costs by performing proper actions at the optimum time. The program will also provide for financing strategies to make the most efficient use of available resources.

What is Pavement Forensics?

Pavement forensics identifies what exists under the visible layer of the pavement and can give a wealth of information including depths of the pavement layers, signs of bonding or unbonding and distresses

that might not be visible from the road surface. Soil borings along the roadways can be used to identify aggregate depths and soil classifications can provide a better understanding of the roadway section to determine the appropriate pavement rehabilitation technique. Another option is pavement cores which provide information on the pavement thickness, condition of the base course and amount of Class 5 that is in place. The findings from a pavement forensic study have been proven to lead to cost savings and better solutions for a road fix.

III. PAVEMENT CONDITION REPORT

PAVEMENT LIFE CYCLE

Pavements have a useful life beginning from the time they are constructed until they have deteriorated to the extent of being unusable. Figure 1 shows the typical life expectancy of pavement based on data from the Army Corps of Engineers. While the actual useable life of roadways can vary somewhat due to different factors, as indicated by this graph pavement begins to deteriorate shortly after construction at a fairly constant rate and then deteriorates more rapidly as the pavement ages and its condition declines.

Figure 2 shows the effect performing certain types of maintenance can have on a pavement lifecycle. Doing the right fix at the right time can extend the life of a pavement by more than 40 years.

ROADWAY PAVEMENT CONDITION EVALUATION

WSB completed pavement inspections on the roads in Hanover in 2013 and re-rated the streets using a visual review (no measurements of distresses) again in 2019. This was done to establish the segments condition based upon what defects each segment contained. Roadways were rated based on a visual review and assigned an Overall Condition Index (OCI) having a 0-100 scale with 100 being a perfect new roadway.

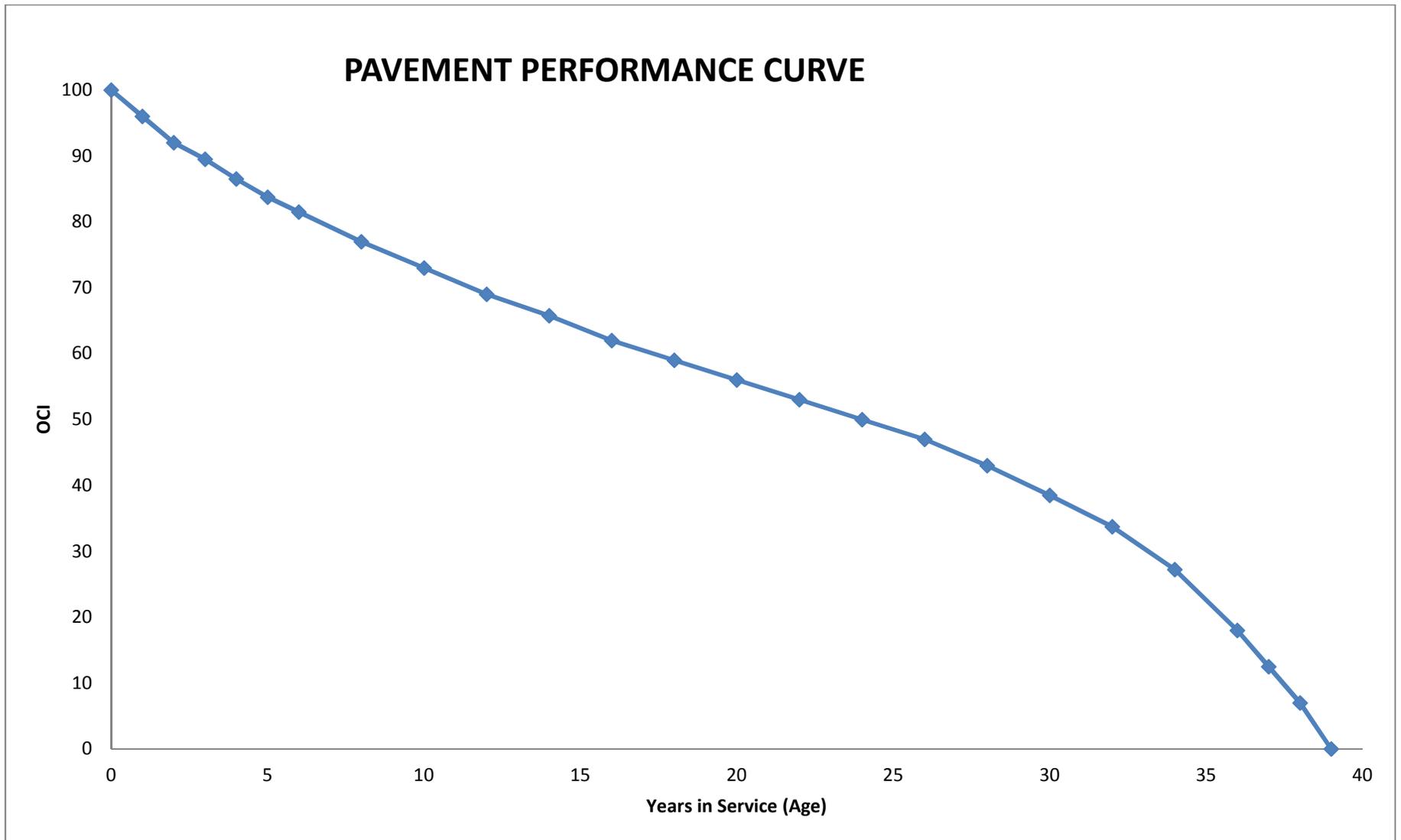


FIGURE 1

Pavement Lifecycle

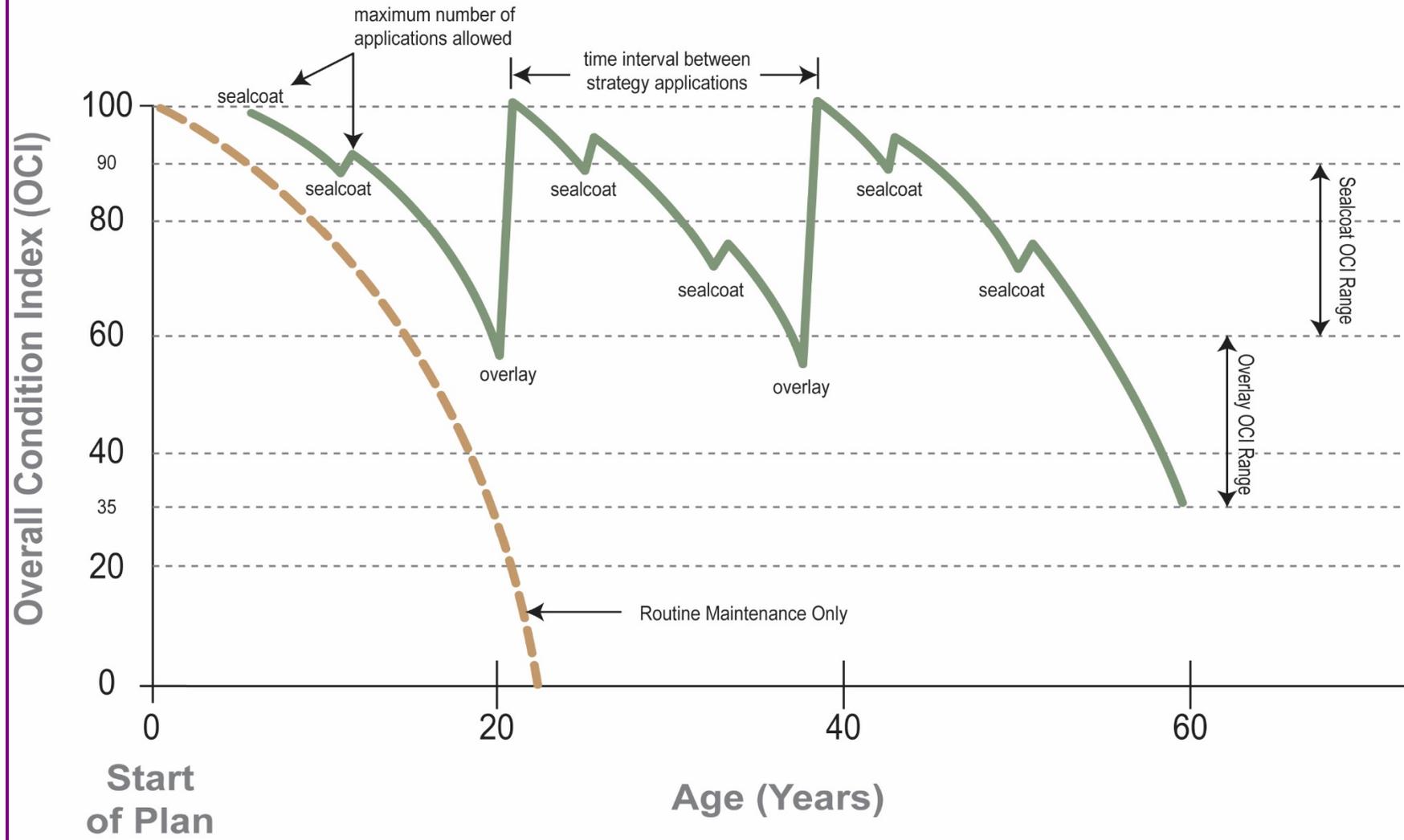


FIGURE 2

Engineering staff has established the following OCI categories to describe the conditions of the roadways:

Excellent – Overall Condition Index (OCI) 90.01 – 100.00 (Preventative Maintenance)

Good -- Overall Condition Index (OCI) 60.01 – 90.00 (Partial Depth Mill and Overlay or Overlay)

Fair – Overall Condition Index (OCI) 35.01 – 60.00 (Full Depth Bituminous Removal or Monitor)

Poor – Overall Condition Index (OCI) 0.00 – 35.00 (Reclamation or Reconstruction)

Photographs of representative road sections for each OCI category are included as Figure 3.

EXISTING ROADWAY PAVEMENT CONDITIONS

Most of the roadway system at this time is in good or fair condition, but it is approaching a critical stage. A breakdown of the City’s roadway overall condition is:

<u>Overall Condition Index</u>	<u>Mileage</u>	<u>Percent of System</u>
Excellent Category – 90.01 – 100.00	7.2 miles	38.5%
Good Category – 60.01 – 90.00	8.3 miles	44.4%
Fair Category – 35.01 – 60.00	2.7 miles	14.4%
Poor Category – 0.00 – 35.00	2.7 miles	2.7%

Appendix A is a map of all City roadways showing their OCI classification. The specific OCI rating for each roadway segment is contained in Appendix B.

FIGURE 3

Hanover Pavement Management Report

July 2019

HANOVER PAVEMENT RATING EXAMPLES

OCI RATING = 30



15th Street NE
Cartegraph ID: 312

OCI RATING = 45



Ginseng Lane N
Cartegraph ID: 349

OCI RATING = 80



**Kayla Lane
Cartegraph ID: 10**

OCI RATING = 99



**River Road NE
Cartegraph ID: 173**

MAINTENANCE COSTS INCREASE AS PAVEMENT GETS OLDER

Maintenance costs increase considerably as the pavement gets older. This is why implementing a preventative maintenance strategy is both cost effective appropriate. Preventative maintenance actions such as crack seals, chip seals, fog seals, and microsurfacing are done at a much lower cost than preservation actions such as mill and overlays. The idea behind a preventative maintenance strategy is that you keep the good roads in good condition by applying the appropriate maintenance action at the right time at a lower cost. This is often a better strategy then waiting for the road to deteriorate before applying a fix at which point the fix needed may cost 9 to 10 times as much as a chip seal or a fog seal.

EXTENDING PAVEMENT LIFE BY SPECIAL MAINTENANCE ACTIONS

Hanover has typically engaged in chip seals, patching or reconstructs to extend the life of a roadway. These maintenance actions are anticipated to last several years and be cost effective.

Chip sealing includes pre-sweeping and filling of all cracks in the pavement. A layer of emulsified (liquid) asphalt is applied uniformly across the pavement surface. This is followed by a uniform cover of traprock chips. Chip sealing creates a surface seal to the existing pavement, which provides additional support for traffic loads, and protection from weather conditions.

Reconstruction includes the complete removal of the existing pavement and aggregate base course. The roadway will be replaced with the City street standard of a minimum 24-foot width (back of curb to back of curb) bituminous road with concrete curb and gutter for urban sections, a minimum 24' wide back to back with 18" concrete ribbon curb for semi urban sections and a minimum 22' wide with 2' aggregate shoulder for rural sections. The pavement section will consist of a minimum 7-ton design. Reconstruction brings the pavement to an absolute 100 (perfect condition) rating.

In order to maximize the life cycle of the pavement at minimum maintenance cost, the proper maintenance actions need to be undertaken at the optimum time. An updated proposed schedule for these special maintenance activities is provided below in Table 1. This updated schedule includes performing maintenance activities based on the age of the pavement, not simply on the OCI value.

TABLE 1

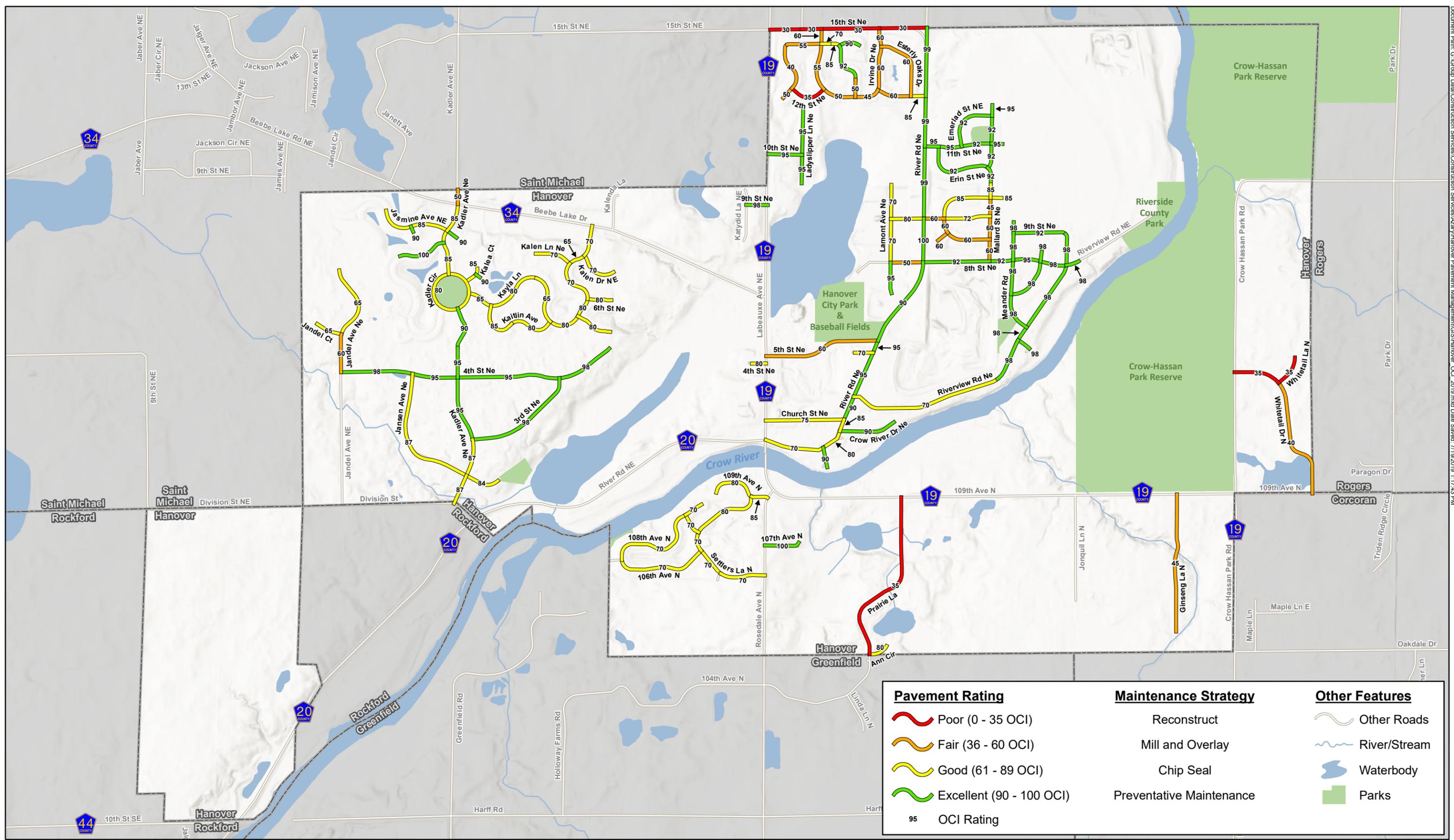
Sample Maintenance Schedule				
Cumulative Pavement Age (Years)	Time Between Maintenance	Maintenance	Predicted OCI	
			Initial	Improved
0	0	New Construction	100	
2	2 Years After New Construction	Initial Crack Seal	92	100
4	2 Years After Crack Seal	2nd Crack Seal	92	100
		Chip Seal		
18-22	14-18 Years After Chip Seal	Cold In Place Recycle	59	83
20-24	2 Years After Overlay	Initial Crack Seal	78	86
22-26	2 Years After Chip Seal	2nd Crack Seal	81	97
		Chip Seal		
36-44	14-18 Years After Chip Seal	Cold In Place Recycle	58	81
38-46	2 Years After Overlay	Initial Crack Seal	77	85
40-48	2 Years After Chip Seal	2nd Crack Seal	80	96
		Chip Seal		
50-60	10-20 Years After Chip Seal	Reconstruction	35	100

APPENDICES

APPENDIX A

Hanover Pavement Management Report

July 2019



Reconstruction							
Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
15TH ST NE*	310	24	530	12712	30	Reconstruct	\$30,014.94
15TH ST NE*	311	24	805	19326	30	Reconstruct	\$45,630.79
15TH ST NE*	312	24	969	23248	30	Reconstruct	\$54,891.72
15TH ST NE*	313	24	336	8067	30	Reconstruct	\$19,048.25
12TH ST NE*	17	28	637	17830	35	Reconstruct	\$42,097.66
WHITETAIL LA N	354	28	530	14844	35	Reconstruct	\$70,094.70
WHITETAIL DR N	361	24	795	19069	35	Reconstruct	\$90,047.04
PRAIRIE LA	375	32	3018	96589	35	Reconstruct	\$456,115.24
Total Cost For Reconstructs							\$807,940.34

**Estimated Cost reduced by 50% to account for shared responsibility with City of St. Michael*

Mill & Overlay							
Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
ROLLING OAKS DR NE	13	28	835	23372	40	Mill & Overlay	\$41,550.73
WHITETAIL DR N	345	24	2076	49821	40	Mill & Overlay	\$88,571.28
MALLARD ST NE	148	28	312	8736	45	Mill & Overlay	\$15,531.25
IRVINE DR NE	22	28	428	11982	45	Mill & Overlay	\$21,300.77
GINSENG LA N	349	28	2311	64707	45	Mill & Overlay	\$115,035.48
ROLLING OAKS DR NE	12	28	219	6125	50	Mill & Overlay	\$10,888.08
OAKWOOD LN NE	20B	28	290	8124	50	Mill & Overlay	\$14,442.53
IRVINE DR NE	21	28	566	15859	50	Mill & Overlay	\$28,194.03
KADLER AVE NE	296	24	243	5837	50	Mill & Overlay	\$10,377.23
8TH ST NE	339	34	548	18641	50	Mill & Overlay	\$33,138.98
14TH ST NE	14	28	576	16130	55	Mill & Overlay	\$28,674.88
IRVINE DR NE	16	28	800	22387	55	Mill & Overlay	\$39,799.30
LYNWOOD CT NE	144	28	209	5845	60	Mill & Overlay	\$10,391.24
MALLARD ST NE	145	28	390	10929	60	Mill & Overlay	\$19,428.74
MALLARD ST NE	146	28	366	10261	60	Mill & Overlay	\$18,241.01
IRVINE DR NE	15	28	250	7004	60	Mill & Overlay	\$12,451.57
LYNWOOD AVE NE	152	28	745	20874	60	Mill & Overlay	\$37,108.60
LYNWOOD AVE NE	153	28	251	7023	60	Mill & Overlay	\$12,485.60
12TH ST NE	206	28	578	16195	60	Mill & Overlay	\$28,790.39
ESTERLY OAKS DR	25	28	1168	32710	60	Mill & Overlay	\$58,151.25
IRVINE DR NE	26	28	313	8766	60	Mill & Overlay	\$15,584.19
IRVINE DR NE	27	28	735	20584	60	Mill & Overlay	\$36,593.71
10TH ST NE	278	32	346	11073	60	Mill & Overlay	\$19,684.92
JANDEL AVE NE	322	30	639	19164	60	Mill & Overlay	\$34,068.88
5TH ST NE	44	38	1954	74234	60	Mill & Overlay	\$131,971.61
Total Cost For Mill & Overlays							\$882,456.26

Chip Seal							
Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
JANDEL CT	301	30	447	13412	65	Chip Seal	\$2,980.39
KAYLA LN	314	32	287	9183	65	Chip Seal	\$2,040.58
KAYLA LN	385	32	852	27268	65	Chip Seal	\$6,059.54
KALEN DR NE	135	28	668	18706	70	Chip Seal	\$4,156.89
KALEN LN NE	136	28	625	17487	70	Chip Seal	\$3,886.09
LAMONT AVE NE	178	36	576	20730	70	Chip Seal	\$4,606.63
LAMONT AVE NE	179	36	732	26356	70	Chip Seal	\$5,856.86
RIVER RD NE	182	36	1002	36084	70	Chip Seal	\$8,018.68
14TH ST NE	18B	28	136	3798	70	Chip Seal	\$844.02
KAYLA LN	315	32	791	25308	70	Chip Seal	\$5,623.89
KAYLA LN	316	32	521	16665	70	Chip Seal	\$3,703.37
RIVERVIEW RD NE	331	26	2575	66939	70	Chip Seal	\$14,875.23
106TH AVE N	346	32	1556	49804	70	Chip Seal	\$11,067.57
SETTLERS LA N	348	32	506	16188	70	Chip Seal	\$3,597.43
SETTLERS LA N	351	32	759	24291	70	Chip Seal	\$5,398.05
SETTLERS LA N	355	32	327	10467	70	Chip Seal	\$2,325.99
COTTAGE LA N	360	32	376	12032	70	Chip Seal	\$2,673.75
108TH AVE N	366	32	1697	54301	70	Chip Seal	\$12,066.92
108TH AVE N	367	32	319	10199	70	Chip Seal	\$2,266.40
GARNET CT	82	28	305	8540	70	Chip Seal	\$1,897.78
10TH ST NE	277	32	777	24860	72	Chip Seal	\$5,524.37
CHURCH ST NE	110	42	1318	55355	75	Chip Seal	\$12,301.10
KAYLA LN	10	32	967	30947	80	Chip Seal	\$6,877.13
RIVER RD NE	111	36	414	14908	80	Chip Seal	\$3,312.91
4TH ST NE	112	42	238	9980	80	Chip Seal	\$2,217.80
10TH ST NE	279	36	551	19853	80	Chip Seal	\$4,411.68
6TH ST NE	298	28	401	11226	80	Chip Seal	\$2,494.72
KALLAND LN NE	299	28	626	17524	80	Chip Seal	\$3,894.29
109TH AVE N	344	28	807	22600	80	Chip Seal	\$5,022.27
SETTLERS LA N	356	32	1174	37576	80	Chip Seal	\$8,350.22
ANN CIR	364	30	338	10149	80	Chip Seal	\$2,255.43

Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
KAITLIN AVE	381	28	760	21281	80	Chip Seal	\$4,729.04
KAYLA LN	383	32	540	17273	80	Chip Seal	\$3,838.47
KAYLA LN	384	32	337	10789	80	Chip Seal	\$2,397.53
KADLER CIR	6	34	1884	64067	80	Chip Seal	\$14,237.10
JANSEN AVE NE	188	28	584	16359	84	Chip Seal	\$3,635.38
KAITLIN AVE	11	28	731	20467	85	Chip Seal	\$4,548.19
MEADOWBROOK AVE NE	147	28	1017	28465	85	Chip Seal	\$6,325.45
MEADOWBROOK AVE NE	149	28	183	5124	85	Chip Seal	\$1,138.67
MALLARD ST NE	166	28	222	6216	85	Chip Seal	\$1,381.37
14TH ST NE	18A	34	181	6140	85	Chip Seal	\$1,364.50
JASMINE AVE NE	2	34	1225	41649	85	Chip Seal	\$9,255.43
12TH ST NE	207	28	250	7003	85	Chip Seal	\$1,556.29
KADLER AVE NE	3	34	495	16819	85	Chip Seal	\$3,737.59
RIVER RD NE	338	42	208	8741	85	Chip Seal	\$1,942.52
109TH AVE N	377	34	275	9351	85	Chip Seal	\$2,078.02
KADLER AVE NE	5	34	758	25778	85	Chip Seal	\$5,728.53
KALEA CT	7	34	311	10560	85	Chip Seal	\$2,346.60
JANSEN AVE NE	106	28	2336	65412	87	Chip Seal	\$14,535.94
KADLER AVE NE	196	28	627	17543	87	Chip Seal	\$3,898.35
KADLER AVE NE	197	28	515	14426	87	Chip Seal	\$3,205.77
Total Cost For Chip Seals							\$252,488.73

Preventative Maintenance							
Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
JASMINE CT	1	28	95	2668	90	Preventative Maintenance	\$266.76
LAMBERT CT	19	32	353	11311	90	Preventative Maintenance	\$1,131.05
MILL POND TRL	308	26	335	8697	90	Preventative Maintenance	\$869.71
RIVER RD NE	342	40	1549	61965	90	Preventative Maintenance	\$6,196.46
KALEA CT	382	28	84	2350	90	Preventative Maintenance	\$235.02
JASMINE AVE NE	4	34	196	6675	90	Preventative Maintenance	\$667.53
KADLER AVE NE	8	34	720	24487	90	Preventative Maintenance	\$2,448.67
CROW RIVER DR NE	80	24	953	22876	90	Preventative Maintenance	\$2,287.64
RIVER RD NE	83	40	414	16550	90	Preventative Maintenance	\$1,655.05
9TH ST NE	159	25	884	22106	92	Preventative Maintenance	\$2,210.57
OAKWOOD LN NE	20A	34	699	23765	92	Preventative Maintenance	\$2,376.46
MALLARD ST NE	29	34	469	15946	92	Preventative Maintenance	\$1,594.62
MALLARD ST NE	30	34	422	14349	92	Preventative Maintenance	\$1,434.87
MALLARD ST NE	31	28	295	8273	92	Preventative Maintenance	\$827.26
11TH ST NE	33	34	508	17263	92	Preventative Maintenance	\$1,726.26
EMERALD ST NE	34	28	954	26705	92	Preventative Maintenance	\$2,670.53
8TH ST NE	340	34	1118	38005	92	Preventative Maintenance	\$3,800.49
8TH ST NE	386	34	400	13605	92	Preventative Maintenance	\$1,360.52
ERIN ST NE	389	28	1198	33552	92	Preventative Maintenance	\$3,355.16
4TH ST NE	104	28	1721	48185	95	Preventative Maintenance	\$4,818.50
4TH ST NE	105	28	766	21444	95	Preventative Maintenance	\$2,144.40
LADYSLIPPER LN NE	137	28	794	22232	95	Preventative Maintenance	\$2,223.23
LADYSLIPPER LN NE	141	28	477	13344	95	Preventative Maintenance	\$1,334.38
10TH ST NE	143	28	569	15939	95	Preventative Maintenance	\$1,593.91
11TH ST NE	165	36	183	6587	95	Preventative Maintenance	\$658.74
KADLER AVE NE	195	28	1096	30692	95	Preventative Maintenance	\$3,069.16
KADLER AVE NE	199	28	501	14039	95	Preventative Maintenance	\$1,403.91
8TH ST NE	24	24	465	11155	95	Preventative Maintenance	\$1,115.50
MALLARD ST NE	28	34	178	6056	95	Preventative Maintenance	\$605.57
11TH ST NE	35	34	389	13212	95	Preventative Maintenance	\$1,321.16
11TH ST NE	36	34	233	7922	95	Preventative Maintenance	\$792.19

Route	ID	Width (Ft)	Length (Ft)	Pavement Area (Sq. Ft)	2019 OCI	Recommendation	Estimated Cost
LAMONT AVE NE	391	36	515	18545	95	Preventative Maintenance	\$1,854.50
RIVER RD NE	46	40	219	8743	95	Preventative Maintenance	\$874.32
RIVER RD NE	81	40	811	32455	95	Preventative Maintenance	\$3,245.47
3RD ST NE	107	28	1937	54239	98	Preventative Maintenance	\$5,423.89
8TH ST NE	139	22	444	9768	98	Preventative Maintenance	\$976.76
RIVERVIEW RD NE	140	25	261	6521	98	Preventative Maintenance	\$652.11
RIVERVIEW RD NE	160	25	531	13264	98	Preventative Maintenance	\$1,326.40
MEADOWLARK LN	302	24	818	19627	98	Preventative Maintenance	\$1,962.67
MEADOWLARK LN	303	24	162	3892	98	Preventative Maintenance	\$389.18
MEANDER RD	304	22	663	14597	98	Preventative Maintenance	\$1,459.70
MEANDER RD	305	22	572	12579	98	Preventative Maintenance	\$1,257.92
MEANDER RD	306	22	183	4031	98	Preventative Maintenance	\$403.09
MEANDER RD	307	22	456	10041	98	Preventative Maintenance	\$1,004.09
OVERLOOK CIR	309	25	239	5971	98	Preventative Maintenance	\$597.09
9TH ST NE	320	24	364	8727	98	Preventative Maintenance	\$872.65
RIVERVIEW RD NE	368	25	1245	31116	98	Preventative Maintenance	\$3,111.57
8TH ST NE	387	20	220	4395	98	Preventative Maintenance	\$439.55
RIVERVIEW RD NE	390	25	743	18566	98	Preventative Maintenance	\$1,856.56
4TH ST NE	45	28	992	27776	98	Preventative Maintenance	\$2,777.56
4TH ST NE	48	28	1206	33759	98	Preventative Maintenance	\$3,375.87
RIVER RD NE	171	24	1214	29145	99	Preventative Maintenance	\$2,914.46
RIVER RD NE	173	24	844	20252	99	Preventative Maintenance	\$2,025.15
RIVER RD NE	317	24	1149	27577	99	Preventative Maintenance	\$2,757.67
JORDAN AVE NE	186	28	2100	58801	100	Preventative Maintenance	\$5,880.14
RIVER RD NE	341	24	733	17604	100	Preventative Maintenance	\$1,760.40
107TH AVE N	358	24	593	14224	100	Preventative Maintenance	\$1,422.43
Total Cost For Preventative Maintenance							\$108,816.46