

City Project Selection Process

Pavement Management Task Force

*Steve Dodge, Assistant City Engineer
January 13, 2021*



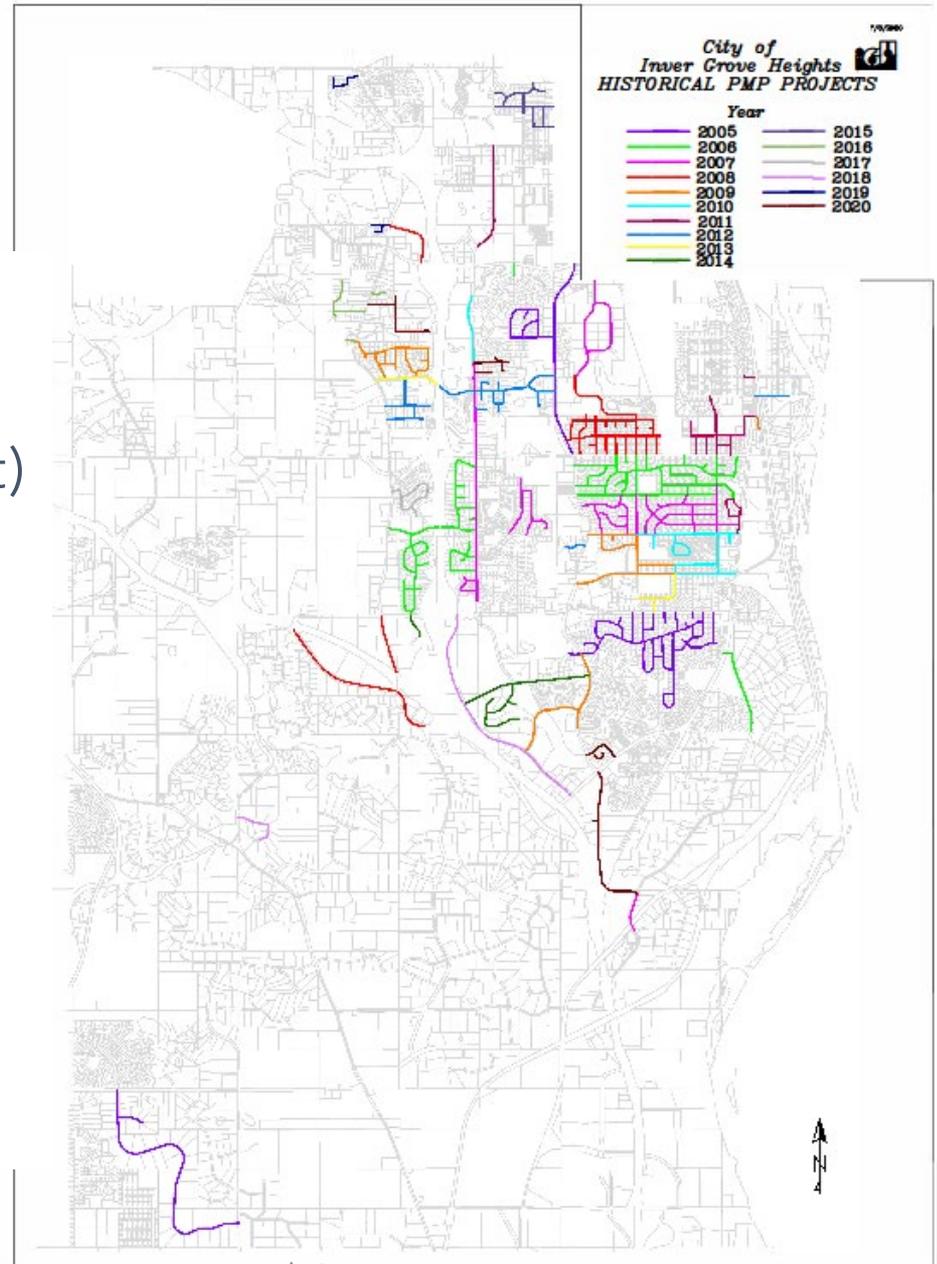
CITY OF
INVER GROVE
HEIGHTS

PUBLIC WORKS DEPARTMENT

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History of Project Selection

- 2005-2011 South Grove
- 2012-2021 CIP
- 2015 Project Split (60th Street)
- 2016-2021
 - Petition Based
 - Council Initiated
 - Director Guided
 - State Funded
- 2022
 - Carleda Reconstruction (2015)
 - Pavement Initiative - Rehabilitation Projects

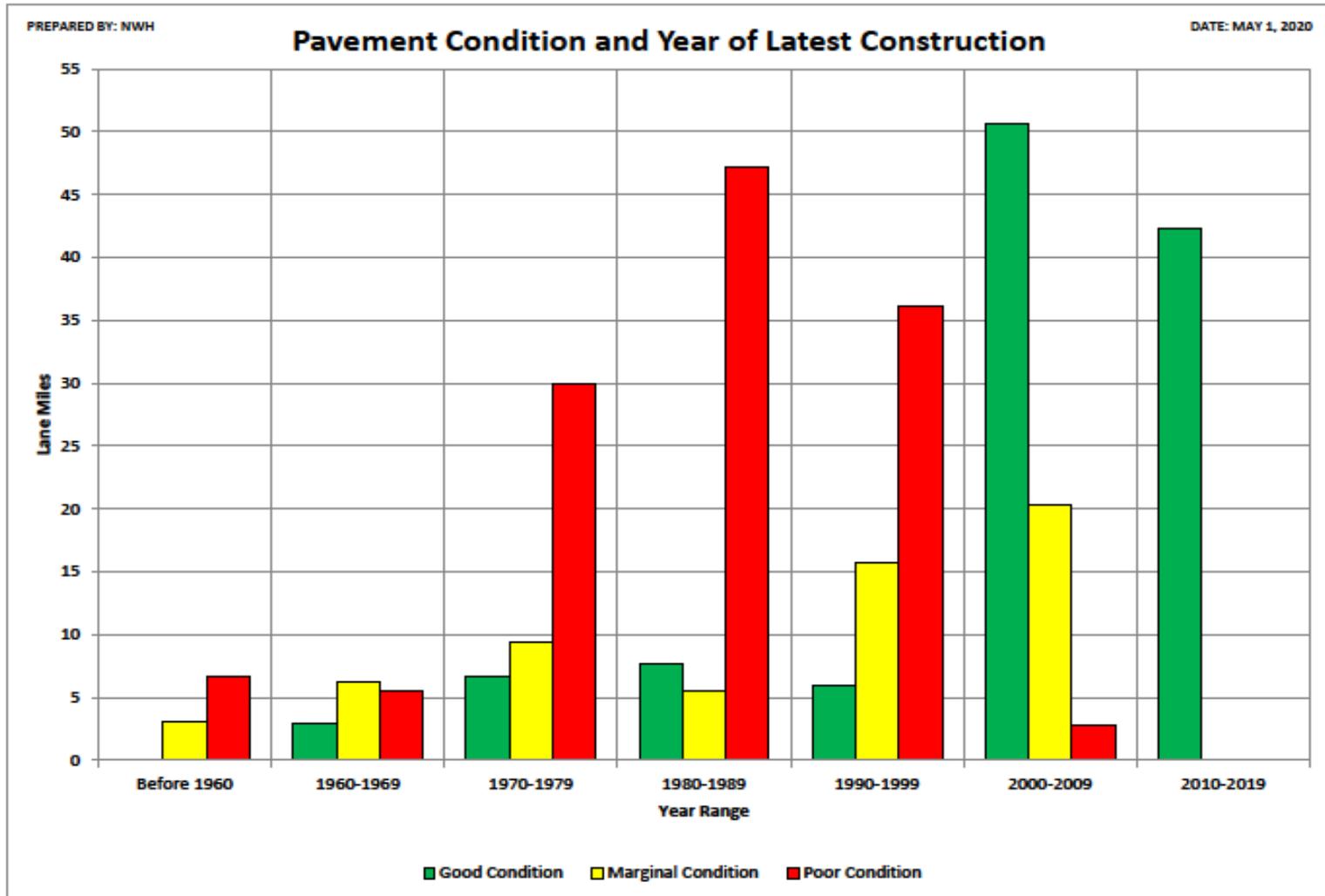


Project Costs by Year

YEARLY BUDGET SUMMARY OF TOTAL PROJECT COSTS

Year	Reconstruct	FDR	Overlay	Crack Seal and Seal Coat
2001	\$203,928	\$0	\$0	\$51,234
2002	\$0	\$0	\$213,761	\$65,159
2003	\$0	\$0	\$0	\$89,059
2004	\$0	\$0	\$259,158	\$134,573
2005	\$482,020	\$0	\$962,199	\$104,820
2006	\$3,070,450	\$0	\$478,798	\$196,054
2007	\$2,382,952	\$0	\$868,673	\$195,775
2008	\$2,391,817	\$0	\$338,697	\$250,277
2009	\$2,758,978	\$0	\$505,100	\$276,374
2010	\$2,254,929	\$0	\$152,084	\$307,528
2011	\$2,513,275	\$0	\$77,523	\$417,633
2012	\$4,490,269	\$0	\$39,710	\$386,195
2013	\$0	\$0	\$218,693	\$432,839
2014	\$2,201,493	\$0	\$0	\$405,589
2015	\$2,288,764	\$0	\$68,601	\$402,998
2016	\$1,744,861	\$0	\$0	\$485,402
2017	\$1,190,695	\$0	\$0	\$470,606
2018	\$4,087,486	\$0	\$0	\$446,725
2019	\$812,613	\$329,607	\$0	\$468,960
Total	\$32,834,528	\$329,607	\$3,978,995	\$5,597,781
Yearly Average	\$1,728,133	\$17,348	\$209,421	\$294,620

Street Condition by Year Constructed/Reconstructed



Street Selection

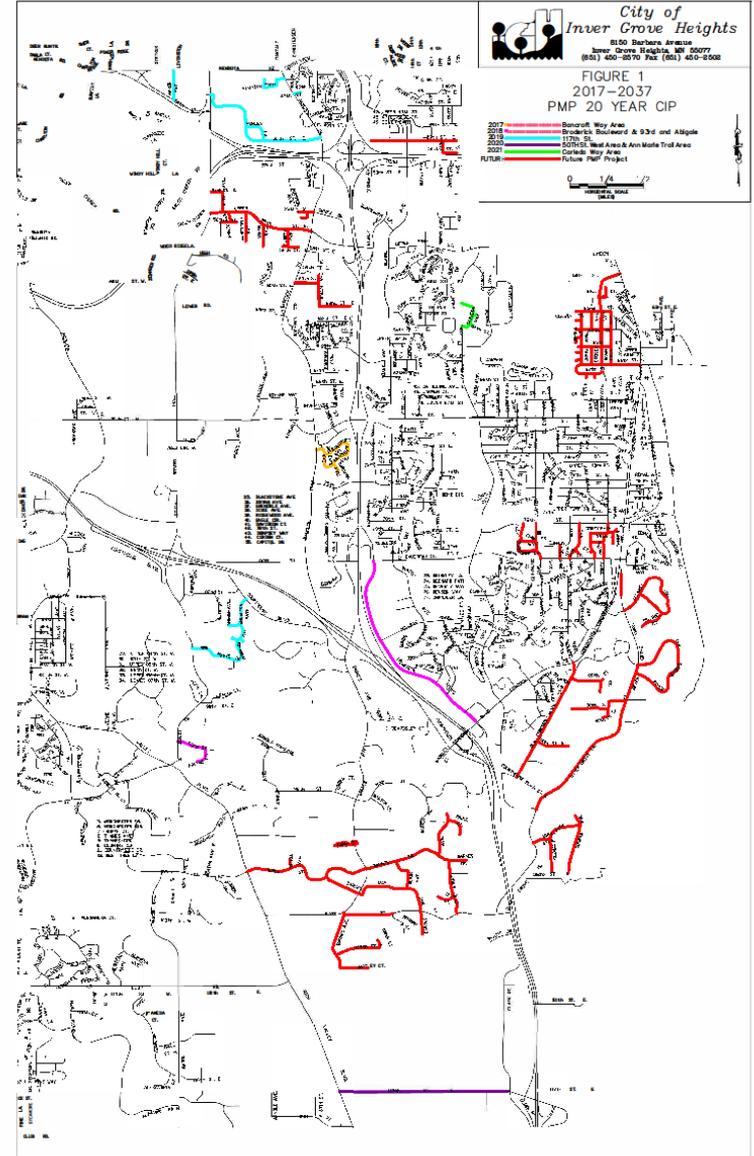
- Staff reviews streets annually
- Updates the 5-year Pavement Management Program
- Guidance from PWD, City Engineer and Street Dept.
- Take into consideration:
 - Annual PMP Budget
 - Petitions
 - Prior Council Guidance
 - Infrastructure (Curb, Sanitary, Watermain, Storm)
 - MSAS (Municipal State Aid Streets)
 - Density of area (i.e. mixed use)
 - Assessable front footage
- PWD takes Draft 5-year PMP to Council Work Session
- Final 5-Year Financial CIP includes 5-year PMP to be approved by Council

Example 2017 5-Year Pavement Management Program

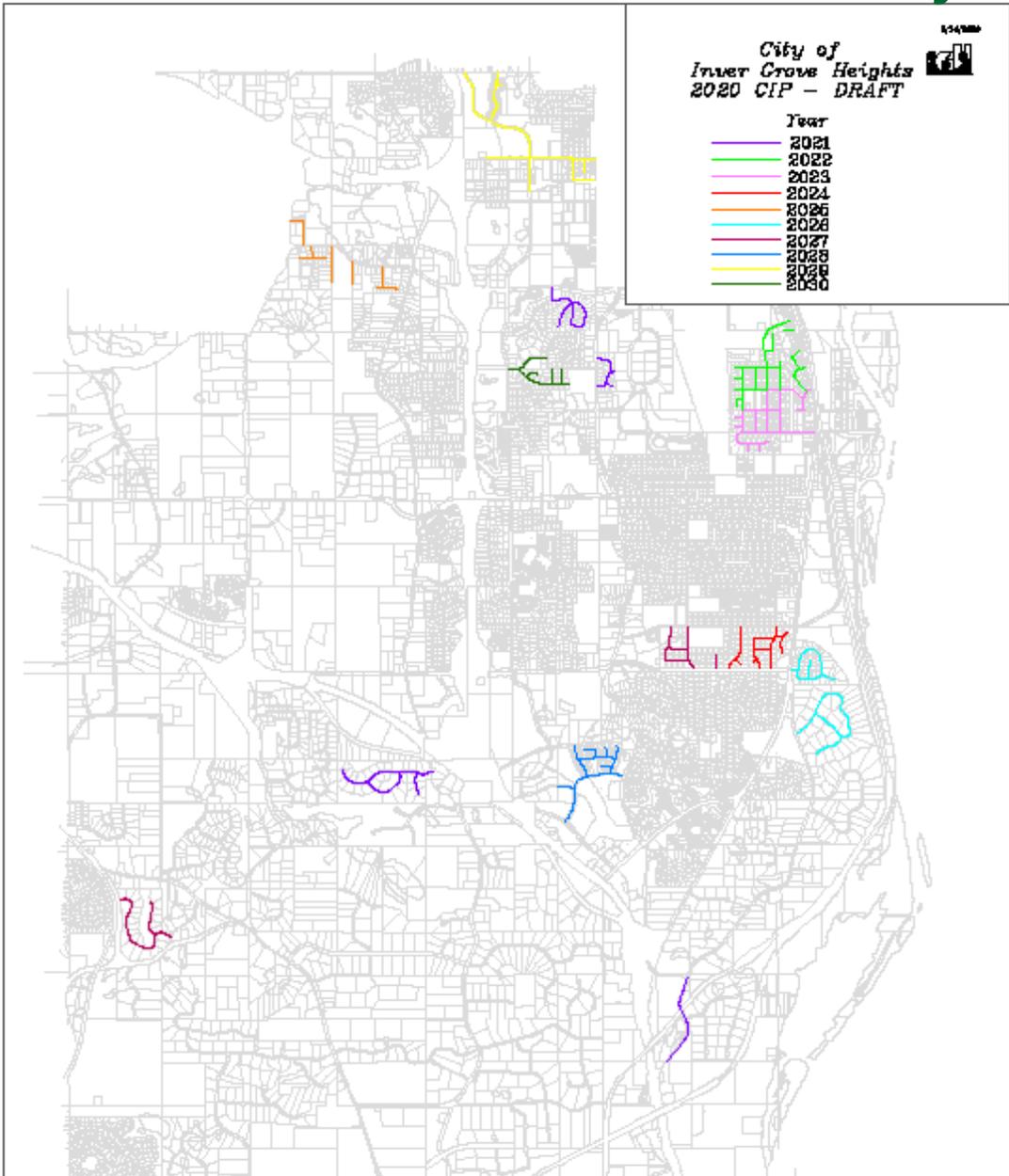
PRELIMINARY PAVEMENT MANAGEMENT PROGRAM 5-YEAR CAPITAL IMPROVEMENT PLAN AND FUTURE PROJECTS

PROJECT	Total Cost	Year
Bancroft Way Area (2016-09E)	\$ 1,984,100	2017
Broderick Boulevard (2015-09D)	\$ 5,945,000	2018
93rd/Abigail (2017-09E)	\$ 1,073,200	2018
117th Street Area (2015-01)	\$ 8,000,000	2019
50th Street - West Area & Ann Marie Trail (2020-09D)	\$ 6,961,800	2020
Carleda Way Area	\$ 2,104,400	2021
5-Year Subtotal	\$ 26,068,500	
50th Street East Area	\$ 2,169,100	FUTURE PROJECTS
62nd/Bacon Area (2016-09G)	\$ 1,958,100	
Barnes East Area	\$ 2,881,500	
Barnes West Area	\$ 3,023,100	
Dawn Way North	\$ 4,754,000	
Dawn Way South	\$ 3,829,500	
Inver Grove Trail Area	\$ 5,026,200	
Old Concord Area	\$ 2,482,600	
South Grove Area 7	\$ 2,100,000	
South Grove Area 8	\$ 1,870,000	
Upper 55th Street (2010-09F)	\$ 3,936,700	
Upper 55th Neighborhoods	\$ 4,041,300	
Annual Crackseal and Sealcoat Program (20 years @ \$500,000/year)	\$ 10,000,000	
Future Projects Subtotal	\$ 48,072,100	
Total PMP	\$ 74,140,600	

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Example 2020 10-Year PMP and 5-year CIP



Example 2020 10-Year PMP and 5-year CIP

2020 CIP DRAFT

YEAR	PROJECT	PROJECT TYPE	TOTAL ESTIMATED COST	LOCAL STREET AND STORM COSTS	UTILITY COSTS	TRUNK STORM COSTS	CENTERLINE MILES
2021	INVER GROVE TRAIL	M/O	\$480,000	\$390,000	\$90,000		0.53
	MAJESTIC WOODLANDS	FR	\$2,200,000	\$2,000,000	\$200,000		0.72
	CARLEDA	FR	\$1,393,000	\$1,200,000	\$190,000	\$245,000	0.32
	ORCHARD TRAIL	OL	\$430,000	\$430,000			0.99
2022	DAWN WAY NORTH	FR, PR, FDR	\$6,620,000	\$5,600,000	\$1,020,000		1.93
	60TH ST	M/O	\$80,000	\$60,000	\$20,000		0.03
2023	DAWN WAY SOUTH	FR, PR, FDR	\$3,910,000	\$3,160,000	\$750,000		2.10
2024	DAWN AVE/COOPER AVE	FR, PR, FDR	\$4,000,000	\$3,700,000	\$300,000		1.06
2025	UPPER 30TH RES STREETS	FR	\$4,200,000	\$3,800,000	\$400,000		0.96
2026	DELANO/DELANEY	FR, PR, FDR	\$4,110,000	\$3,810,000	\$300,000		1.76
2027	VES VALLEY	PR	\$1,900,000	\$1,900,000			0.82
	CLAYTON AVE/CHARLES WAY	FR	\$2,980,000	\$2,700,000	\$280,000		0.78
2028	BREWSTER/BROOKS BLVD	FR	\$4,800,000	\$4,430,000	\$370,000		1.30
2029	30TH/BLAINE/BLOOMBERG	FR, PR, FDR, M/O	\$4,490,000	\$3,860,000	\$630,000		1.96
2030	62ND/BOLLAND	FR, PR	\$2,930,000	\$2,630,000	\$280,000		0.78
TOTALS:			\$46,745,000	\$41,730,000	\$4,770,000	\$245,000	16.08

APPENDIX B: FUND SUMMARIES | EXHIBIT F
 Pavement Management Fund - Future Projects

Inflation Assumptions

Capital Outlay 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00%

PAVEMENT MANAGEMENT FUND FUTURE PROJECTS - EXHIBIT F	Project No.	Budget 2018	Budget 2019	Budget 2020	Projected			
					2021	2022	2023	2024
1 EXPENSES								
2 Broderick Blvd	(2015-09D/2013-09F)	4,645,259	-	-	-	-	-	-
3 50th St East neighborhood	(2020-09E)	-	-	-	-	-	-	-
4 Bancroft area	(2016-09E)	367,872	-	-	-	-	-	-
5 Carleida	(2016-09F)	-	-	-	2,428,855	-	-	-
6 Abigail/53rd St		-	-	-	-	-	-	-
7 Dawn Way S	(2023-09D)	-	-	-	-	-	-	5,312,700
8 Upper 55th Street	(2010-09F)	-	-	-	-	-	-	-
9 47th St Neighborhood Recon	(2015-09E)	161,463	-	-	-	-	-	-
10 Abwater Path	(2018-09D)	-	500,000	-	-	-	-	-
11 60th Street Area Reconstruction	(2016-09D)	189,169	-	-	-	-	-	-
12 55th Street/55th St Court Reconstruction	(2018-09F)	-	1,200,000	-	-	-	-	-
13 Dawn Way - North	(2024-09D)	-	-	-	-	-	5,250,200	-
14 64th/Bowman/64th Court	(2019-09D)	-	-	1,504,195	-	-	-	-
15 Cahill Mill and Overlay	(2019-09C)	-	-	897,880	-	-	-	-
16 Carter Path/Carter Court M+O	(2019-09F)	-	-	258,926	-	-	-	-
17 60th/Bacon/62nd	(2016-09G)	-	-	2,560,870	-	-	-	-
18 Majestic Woodlands	(2021-09D)	-	-	-	1,784,600	-	-	-
19 Argenta Trail (w/ Eagan)	(2022-09D)	-	-	-	-	500,000	-	-
20 County PMP	(2020-09F)	-	-	308,505	-	-	-	-
21 80th St/Barbara Ave Pedestrian Safety		-	-	-	50,000	-	-	-
22 Park trails and parking lots		2,000,000	250,000	250,000	250,000	250,000	250,000	250,000
23 Cracksealing, sealcoating		500,000	500,000	353,388	350,000	400,000	450,000	450,000
24 Placeholder for additional pavement mgmt projects		-	-	-	1,000,000	1,000,000	1,000,000	1,000,000
25 Total Capital Outlay		7,863,763	2,450,000	6,133,764	5,863,455	2,150,000	6,950,200	7,012,700
26 CAPITAL OUTLAY WITH INFLATION		7,863,763	2,460,000	6,138,784	6,168,828	2,370,376	8,046,726	8,623,881
27 Assessable Capital Outlay with Inflation		1,785,000	5,482,965	4,424,128	525,000	5,512,710	5,578,335	

Questions?



CITY ADMINISTRATION

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651-450-2500

COMMUNITY DEVELOPMENT

8150 Barbara Avenue
Inver Grove Heights, MN 55077
651-450-2545

FINANCE DEPARTMENT

8150 Barbara Avenue
Inver Grove Heights, MN 55077
651-450-2519

FIRE DEPARTMENT

9200 Courthouse Boulevard
Inver Grove Heights, MN 55077
651-455-5082

PARKS & RECREATION

8055 Barbara Avenue
Inver Grove Heights, MN 55077
651-450-2585

POLICE DEPARTMENT

8150 Barbara Avenue
Inver Grove Heights, MN 55077
651-450-2525

PUBLIC WORKS DEPARTMENT

8168 Barbara Avenue
Inver Grove Heights, MN 55077
ENGINEERING: 651-450-2570
STREETS & UTILITIES: 651-450-4309

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