

Pleasant Grove City 3 Year Coordinated Road Plan

Fiscal Years: 2022, 2023, 2024



July 2021



7/20/21

Purpose

The purpose of this plan is to utilize the limited available funding for our roads in a way that brings the most value to our system. By utilizing previously gathered information from Stretlogix during the road condition inventory completed in 2019 and subsequent roadway modeling data, we have been able to create this coordinated road plan. It is intended that this plan will be updated each year through the budgeting process so we are always looking ahead at 3 years of planned projects.

In planning which road projects are to receive funding for improvement, we have used four main concepts:

Focus on roads that are moving from a less expensive treatment to a more expensive treatment. Roads naturally deteriorate over time. Different treatments are appropriate during different stages of a roads life-cycle. As a road ages, it gradually transitions to needing increasingly expensive treatments to remain serviceable. By selecting roads for treatment when they are reaching the lower boundary at which such a treatment would be appropriate, we can extend the lifetime of that pavement spending less money than we would by waiting until further in the future. In practice, this means that, within each treatment category, poorer quality roads will receive funding priority.

Focus on roads where we can benefit from coordination with utility projects. Utilities installations and repairs are one of the principle culprits of accelerated pavement deterioration. By selecting appropriate road projects that correspond with necessary utility repairs and upgrades, we not only eliminate the need to cut newly constructed or refurbished roads but also benefit from overlapping budgets. This results in a net savings to the city by not paying for the trench repair and the road surface work separately.

With a limited budget, where possible focus on roads that have higher traffic volumes. When selecting which road projects to fund, giving priority to the roads with the highest traffic volume ensures that the highest possible number of residents will benefit from the project.

Use the budget available to do a variety of treatments. As is seen on the following pages, we also did not want to focus the entire budget in one treatment type. The roads budget has been broken down to allocate funding to each of the general treatment categories (seal coats, overlays, mill & overlay and reconstruction). By selecting projects in each category for each year in the plan, we ensure that there will always be a variety of roads addressed to the best extent of the available budget.

Budget

The following is the anticipated Streets Capital Improvement Budget for the next 3 years.

3 Year Coordinated Road Plan Budget - FY 2022 THROUGH FY 2024				
Description	FY 2022	FY 2023	FY 2024	Total
Current Class C Reserves (\$2,500,000 Available in 2022)	\$2,500,000	\$2,177,970	\$1,740,774	\$2,500,000
Street Bond (\$6,461,750 Available in 2022)	\$6,461,750	\$0	\$0	\$6,461,750
MAG Approved Funding (\$2,286,000 Available in 2022; \$1,615,000 Available in 2023; \$1,717,000 Available in 2024)	\$2,286,000	\$1,615,000	\$1,717,000	\$5,618,000
Class C Revenue	\$1,400,000	\$1,400,000	\$1,400,000	\$4,200,000
County Option Tax	\$652,000	\$652,000	\$652,000	\$1,956,000
General Fund Transfer	\$346,964	\$346,000	\$346,000	\$1,038,964
Bond Payment	(\$700,000)	(\$700,000)	(\$700,000)	(\$2,100,000)
Total Funding Available for Capital Improvement Projects	\$12,946,714	\$5,490,970	\$5,155,774	\$19,674,714
Planned Projects	\$10,418,744	\$3,400,196	\$3,972,095	\$17,791,034
Additional Expenses (i.e. Salt, Striping, Signs, Crack Sealing, Patching, Coordination with Developments, Etc.)	\$350,000	\$350,000	\$350,000	\$1,050,000
Total Funds Remaining	\$2,177,970	\$1,740,774	\$833,680	\$833,680

Planned Projects

The following pages show the planned projects for the following 3 years and the estimated cost for each project.

Pleasant Grove City

3 Year Coordinated Road Plan

FY 2022/2024

Year Planned

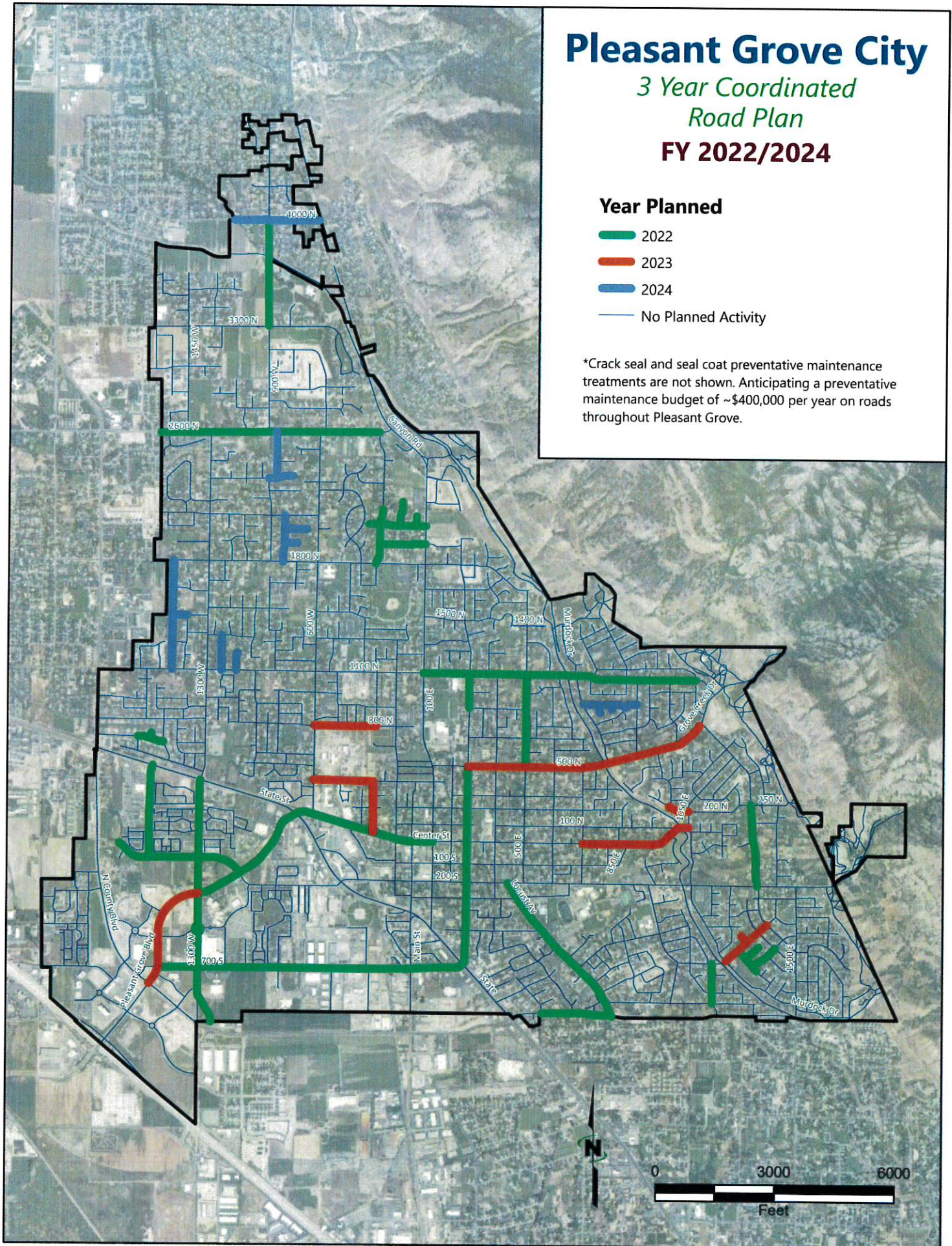
2022

2023

2024

No Planned Activity

*Crack seal and seal coat preventative maintenance treatments are not shown. Anticipating a preventative maintenance budget of ~\$400,000 per year on roads throughout Pleasant Grove.



Pleasant Grove City

3 Year Coordinated Road Plan

FY 2022

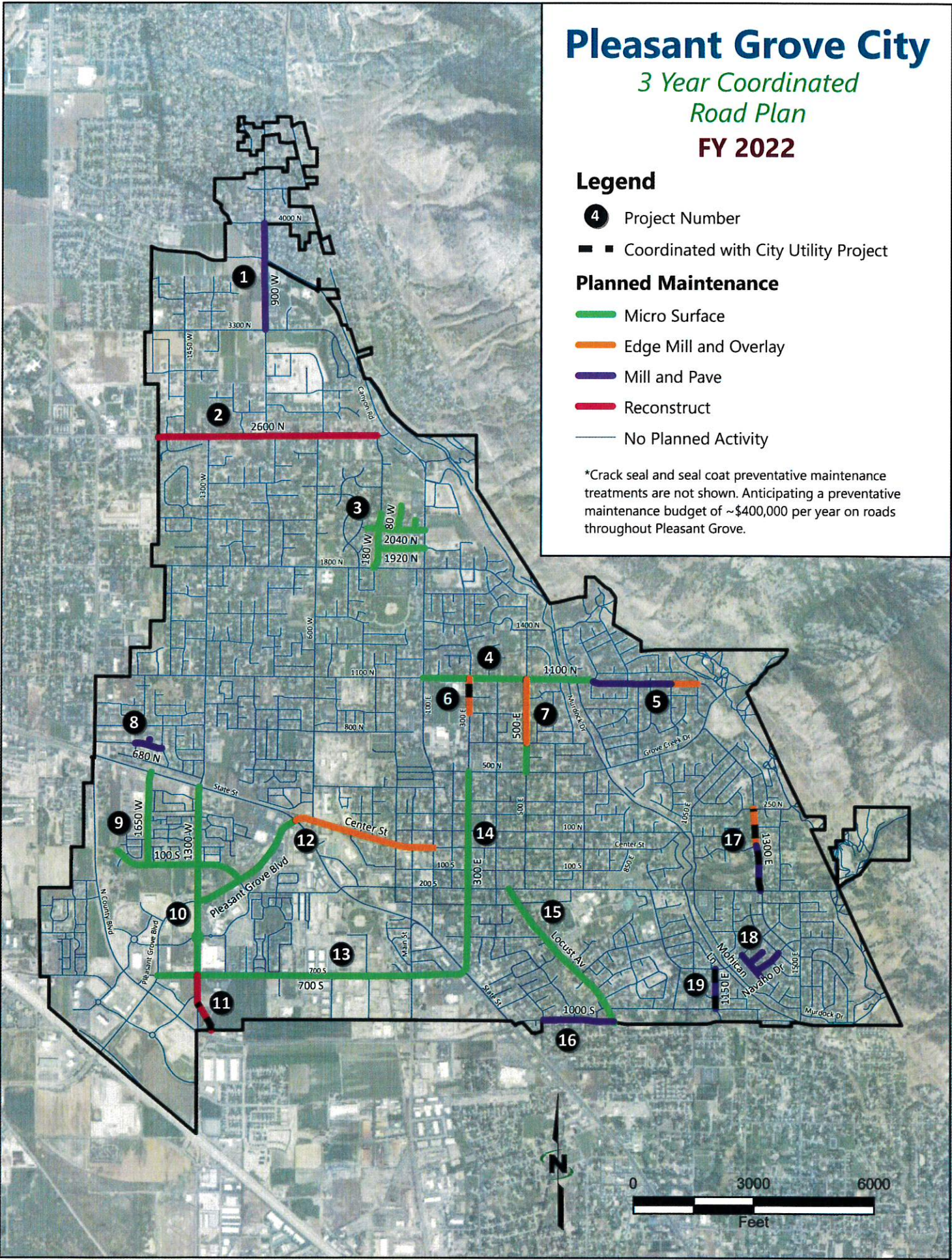
Legend

- ④ Project Number
- Coordinated with City Utility Project

Planned Maintenance

- Micro Surface
- Edge Mill and Overlay
- Mill and Pave
- Reconstruct
- No Planned Activity

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COORDINATED ROAD PLAN FISCAL YEAR 2022							
Project #	Project Description	Recommended Treatment					Coordinated with City Utility Project (Type)
		Seal Coat (Incl. Crack Seal)	Micro Surface	Edge Mill and Overlay	Mill and Pave	Reconstruct	
1	900 West				\$331,000.00		
2	*2600 North					\$525,000.00	
3	10 East, 80 West, 180 West, 1920 North, 2040 North		\$159,019.00				
4	1100 North (From 100 East to 730 East)		\$96,658.80				
5	1100 North (From 730 East to 1100 East)			\$108,891.00	\$483,750.00		
6	300 East (From 900 North to 1100 North)			\$136,736.46			Culinary Water Main Replacement
7	500 East		\$16,374.40	\$210,589.20			
8	680 North, 1700 West				\$160,200.00		
9	1650 West, 100 South		\$168,987.84				
10	North 1300 West		\$83,324.64				
11	**1300 West (From 700 South to State Street)					\$246,000.00	Storm Drain and Culinary Water Main Replacement
12	Pleasant Grove Blvd, Center St. (From 1300 West to 100 700 South)		\$96,491.92	\$935,836.56			
13	300 East (From State Street to 500 North)		\$176,345.12				
14	500 North		\$103,017.60				
15	Locust Ave.		\$103,734.96				
16	1000 South (From 500 East to Locust Ave.)				\$438,750.00		
17	1300 East			\$170,569.26	\$186,070.00		Storm Drain and Culinary Water Main Replacement
18	1150 East				\$197,000.00		Culinary Water Lateral Replacements and Irrigation Box Repair
19	Mohican Ln, Mohican Cir., Navajo Dr.				\$404,400.00		
	Seal Coats and Crack Seals Throughout the City	\$400,000.00					
Amount Per Treatment Type		\$400,000.00	\$1,003,954.28	\$1,562,622.48	\$2,201,170.00	\$771,000.00	
Percentage of Overall FY Budget		5.74%	16.91%	26.31%	37.06%	12.98%	
Fiscal Year Total				\$5,938,746.76			

*From a MAG Project with a total cost of: \$4,425,750.00

**From a MAG Project with a total cost of: \$670,650.00

Pleasant Grove City

3 Year Coordinated Road Plan

FY 2023

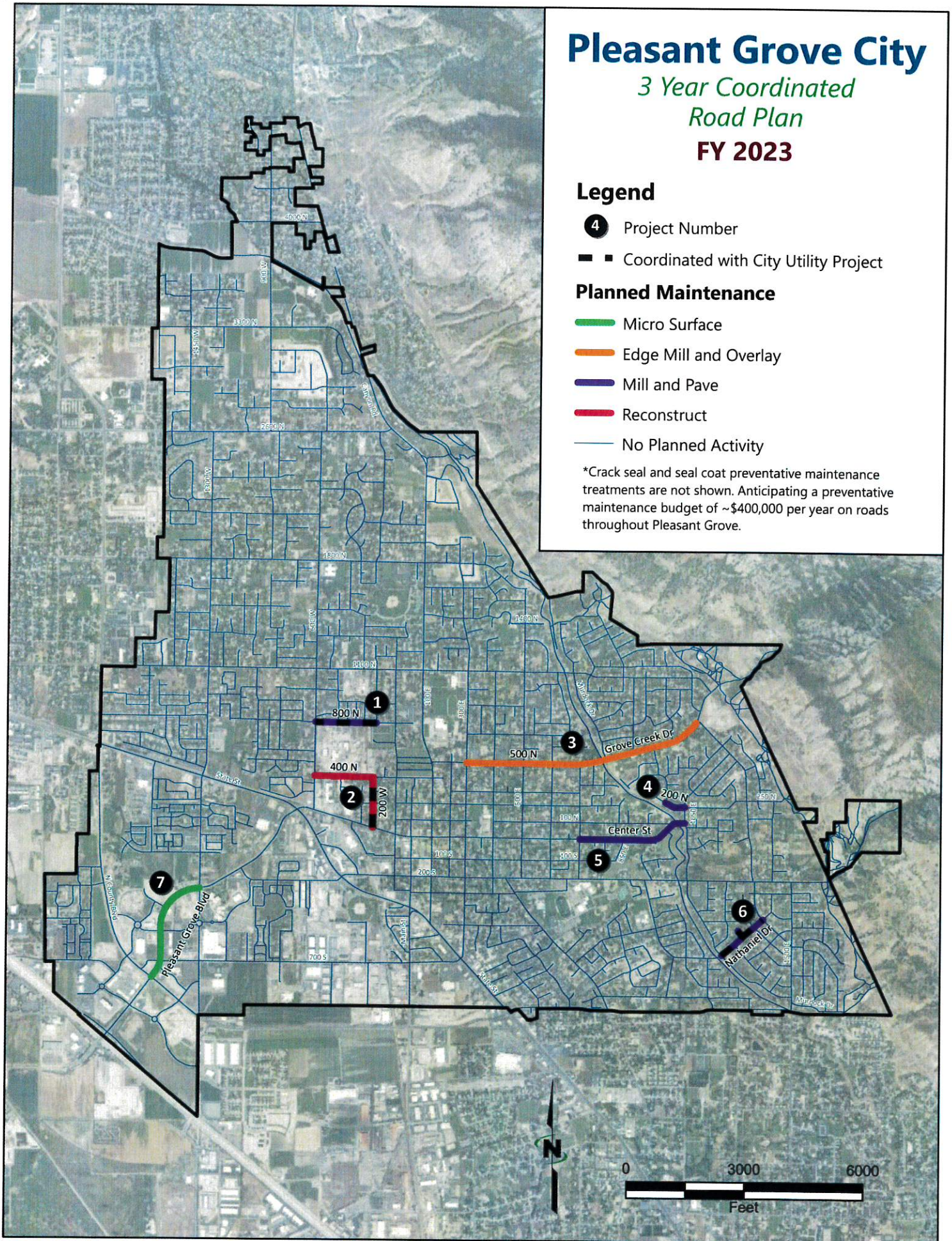
Legend

- ④ Project Number
- Coordinated with City Utility Project

Planned Maintenance

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COORDINATED ROAD PLAN							
FISCAL YEAR 2023							
Project #	Project Description	Recommended Treatment					Coordinated with City Utility Project (Type)
		Seal Coat (Incl. Crack Seal)	Micro Surface	Edge Mill and Overlay	Mill and Pave	Reconstruct	
1	800 North				\$213,975.00		Culinary Water Lateral Replacements
2	400 North, 200 West					\$680,061.20	Culinary Water Main up-size and Culinary Water Lateral Replacements
3	500 N, Grove Creek Dr.			\$914,914.17			
4	200 North				\$130,750.00		
5	Center Street (From 700 East to 1050 East)				\$598,770.00		
6	Nathaniel Dr, Fort Ln.				\$391,750.00		Culinary Water Main Replacement
7	Pleasant Grove Blvd (From North County Blvd to 1300 West)		\$69,975.36				
	Seal Coats and Crack Seals Throughout the City	\$400,000.00					
Amount Per Treatment Type		\$400,000.00	\$69,975.36	\$914,914.17	\$1,335,245.00	\$680,061.20	
Percentage of Overall FY Budget		11.76%	2.06%	26.91%	39.27%	20.00%	
Fiscal Year Total		\$3,400,195.73					

Pleasant Grove City

3 Year Coordinated Road Plan

FY 2024

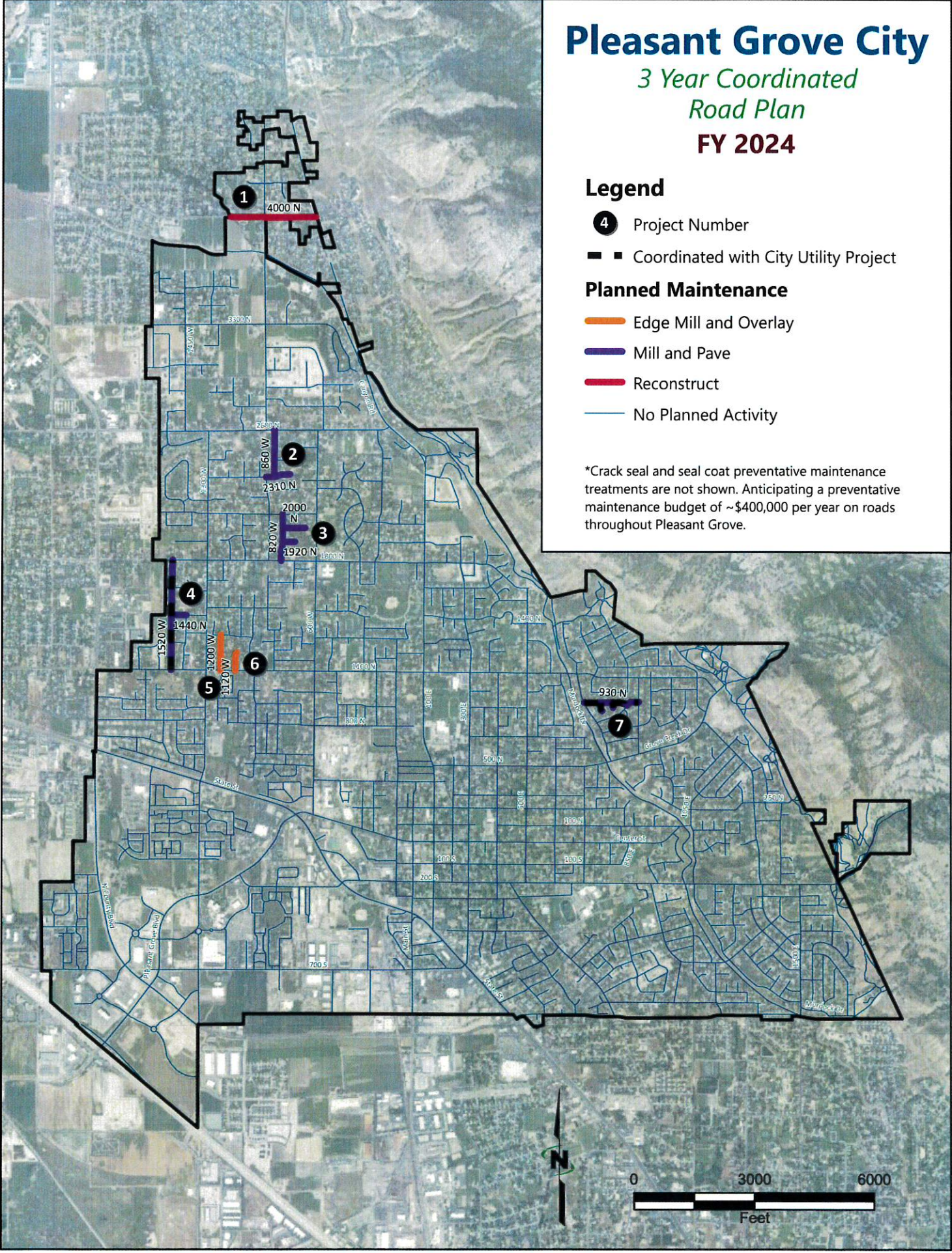
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COORDINATED ROAD PLAN							
FISCAL YEAR 2024							
Project #	Project Description	Recommended Treatment					Coordinated with City Utility Project (Type)
		Seal Coat (Incl. Crack Seal)	Micro Surface	Edge Mill and Overlay	Mill and Pave	Reconstruct	
1	*4000 North					\$62,500.00	
2	860 West, 2310 North				\$346,370.00		
3	820 West, 2000 North, 1920 North				\$336,670.00		
4	1520 West, 1440 North				\$536,670.00		Culinary Water Lateral Replacements
5	1200 West			\$98,727.84			
6	1120 West			\$59,806.80			
7	930 North, 750 East, 850 East				\$351,850.00		Culinary Water Main Replacement
	Seal Coats and Crack Seals Throughout the City	\$400,000.00					
	Amount Per Treatment Type	\$400,000.00	\$0.00	\$158,534.64	\$1,571,560.00	\$62,500.00	
	Percentage of Overall FY Budget	18.24%	0.00%	7.23%	71.68%	2.85%	
	Fiscal Year Total			\$2,192,594.64			

*From a MAG Project with a total cost of: \$1,842,000.00