

## CHAPTER 11: IMPLEMENTATION

Without a specific course of action, it is difficult to achieve the goals and aspirations of any plan. Previous chapters of this document provide the baseline information for understanding the community and the determined goals for the City's future. The goals explain what the community wants to accomplish, and the vision desired as an outcome. This chapter outlines the specific actions that will be taken to achieve those goals.

Often, the most challenging part of the Comprehensive Plan is implementation. It is easy to complete a document, and then watch it collect dust on a shelf. To increase the likelihood of its implementation, the following Implementation Matrix provides priorities and probable funding mechanisms. The implementation steps should be reviewed by the City periodically (annually or more often) to:

- Establish **priority work activities** for City staff and volunteers (and for City partner organizations) on an annual basis,
- Establish **priorities for annual City budget** (and for City partner organization budgets),
- Establish **priorities for Capital Improvement Plans**.

### VISION AND GOALS

The implementation action items outlined in this chapter should ultimately reinforce Savage's Vision and Goals, which were established in Chapter 2 of this comprehensive plan. The vision and goals are broad and touch nearly every aspect of City activity and City life. No aspect of this Plan and its ultimate implementation will be at odds with the City's vision and goals.

### OFFICIAL CONTROLS

Of the action items are identified in the implementation matrix on the following pages, perhaps the most important actions are those that involve a thorough review and update to the City's Ordinances to address inconsistencies and conflicts. The cumulative impact of those action items will be a zoning ordinance that is consistent with the goals, objectives, and policies of the Comprehensive Plan. Updating the Zoning Ordinance will be a large undertaking that will require significant input from the Planning Commission and others. It may also require that the City simultaneously conduct additional studies (such as small area plans) that will help inform the Zoning Ordinance update. Likewise,

the City should update its Subdivision Regulations to be consistent with this Comprehensive Plan. These updates will be completed within nine months of adoption of the Plan.

### IMPLEMENTATION MATRIX

The implementation work plan outlined in the following table expands upon the strategies and action items presented in all preceding chapters of this Plan by assigning a responsible body or actor (**who**), a timeframe for action (**when**), and a suggestion of where the funding that will enable the action will come from (**how**).

While the following lays out a work plan covering the years 2018 – 2040, it is to be expected that the task list will change from year to year. As time goes on, some tasks will take longer than expected and will shift into the next year’s list. Priorities will change and tasks will be moved up to be accomplished earlier. New ideas will be presented to accomplish the goals and vision cited here and will be added to the task list and new funding tools may be developed. This is all part of the cyclical process of implementation.

Implementation actions and strategies are arranged in the Implementation Matrix by Plan chapter, which has the following color scheme:

	Land Use
	Housing
	Natural Resources Management Plan
	Transportation
	Parks
	Economic Development
	Water Supply
	Sanitary Sewer
	Surface Water Management

An “X” in the “Ongoing” column indicates that the corresponding action or strategy item will not be completed as a discrete task but will instead require periodic or continuous attention once the identified action or strategy has been initiated.

In the “When” column, timeframes are organized into four classifications:

- Ongoing (an action that is already happening and will occur as needed or on a continual basis)
- Short-term (starting now, completed within the next five years)
- Medium-term (5 – 10 year completion)
- Long-term (10+ year completion)

TABLE 11-1: SAVAGE IMPLEMENTATION MATRIX - LAND USE

Goal	Who	When	Ongoing?	How (\$)
<b>Land Use</b>				
<b>General Development</b>				
Plan for necessary infrastructure improvements including, as appropriate, executing orderly annexation agreements. Given that Credit River Township is currently evaluating incorporation; special attention needs to be given to ensure that infrastructure improvements are coordinated to meet future needs	Planning	Ongoing	X	
Plan for the conversion or reuse of declining or underutilized lands in order to accommodate growth forecasts, ensure efficient utilization of infrastructure investments to meet community needs.	Planning/EDC	Ongoing	X	
Residential streets and single and multi-family neighborhoods should be interconnected where possible.	Engineering	Ongoing	X	
Community gathering spots, such as parks/open space, community centers, and common areas in commercial development should be dispersed throughout the community.	Parks/Public Works	Ongoing	X	
Allow the use of narrower streets in select areas in response to environmental constraints, or as a means to calm traffic. Sidewalks/trails should be provided appropriately, though not on every street.	Engineering	Ongoing	X	
Retain - rather than increase - current minimum lot sizes for single family homes. Also consider smaller lot sizes when innovative approaches to common/open space and clustering are utilized.	Planning	Ongoing	X	
Reduction of minimum lot widths and construction of front porches are encouraged in appropriate areas.	Planning	Ongoing	X	
<b>Hamilton District</b>				

Goal	Who	When	Ongoing?	How (\$)
Improve the Hamilton District's image and identity	Planning	Ongoing	X	
Balance automobile accessibility with other Hamilton District values, such as pedestrian scale of development and the residential fabric and character of the district.	Engineering	Ongoing	X	
Encourage life-cycle housing opportunities and mixed housing types within the Hamilton District.	Planning	Ongoing	X	
Retain the small-town feel of the District, and wherever possible, planning should retain the character of a unique and distinct place while building bridges to the larger Savage community rather than exacerbating the present sense of isolation. Quentin Avenue is a key connection and pedestrian opportunities should be evaluated	Planning/Engineering	Ongoing	X	
Insure that projects within the Hamilton District are financially feasible and will produce an economic return for the community if public subsidy is requested.	Administration	Ongoing	X	
<b>Trunk Highway 13 Beautification Corridor Enhancement</b>				
Effect immediate improvements in appearance without significantly disrupting existing businesses.	Planning/Engineering	Ongoing	X	
Create future land use patterns of development that complement the function of the corridor and desired image of the community.	Planning	Ongoing	X	
<b>Minnesota Highway 13 Redevelopment Study</b>				
Evaluate the potential rezoning of properties in the southeast quadrant of TH13/TH13S including those east of Louisiana Ave. to a new hybrid commercial district which expands potential uses.	Planning	Short-term		
Consider amending the I-1 Zoning District to allow boat and recreational vehicle sales	Planning	Short-term		
Consider removing the building area minimums in the C-2 and I-1 zoning districts.	Planning	Short-term		

Goal	Who	When	Ongoing?	How (\$)
Pursue Minnesota Department of Commerce Petrofund, Minnesota Department of Employment and Economic Development.	Administration/EDC	Short-term		
Contamination Investigation and Clean Up Program and/or Metropolitan Council Tax Base Revitalization Account funding for the clean-up and/or redevelopment of the Valley Oil site.	Administration/EDC	Short-term		
Consider a commercial/industrial tiered water rate similar to the City of Burnsville.	Public Works	Short-term		
Encourage the Savage Motel owner to participate in the Crime Free Multi-Housing Program.	Police	Short-term		
Evaluate the benefits and impacts of a proactive code enforcement program.	Administration	Short-term		
Evaluate regulatory options for allowing additional outdoor sales and display.	Planning	Short-term		
Acquire an easement and construct a regional redevelopment study area stormwater pond to maximize the redevelopment potential within the study area.	Engineering	Medium-term		
Evaluate the City's development and utility fees while balancing the cost of providing services with the fees charged within the neighboring communities.	Engineering	Medium-term		
Pursue Minnesota Department of Commerce Petrofund, Minnesota Department of Employment and Economic Development Contamination Investigation and Clean Up Program and/or Metropolitan Council Tax Base Revitalization Account funding for the clean-up and/or redevelopment of parcels within the study area	Administration/EDC	Medium-term		

Goal	Who	When	Ongoing?	How (\$)
Consider adopting a Tax Abatement and/or Business Subsidy policy(ies) including criteria to encourage job creation; building and property value; and potential for synergistic development of related or complementary businesses	Administration/EDC	Medium-term		
Consider implementing a Tax Increment Financing (TIF) district for the properties between Spring Brook and Louisiana Ave for redevelopment into a manufacturing, warehouse or distribution business.	Administration/EDC	Medium-term		
Pursue partnerships with Lower Minnesota River Watershed District, Scott County Soil and Water Conservation District, Minnesota Board of Soil and Water Resources, Minnesota Department of Natural Resources and/or the United States Fish and Wildlife Service to acquire the properties or an easement over the properties between 126th St W and 128th St W to preserve the fen wetland and construct wetland mitigation credits to allow for the development of the block north of 126th St W and west of Rhode Island Ave.	Engineering	Medium-term		
Evaluate removing all residential uses from the redevelopment study area through redeveloping the Spur Cafe/Savage Motel site.	Administration/EDC	Medium-term		
Develop targeted marketing plans for the block north of 126th St W and west of Rhode Island Ave and the block between Spring Brook and Louisiana Ave.	Administration/EDC	Medium-term		
Evaluate partnerships with the Scott County Community Development Agency and other Scott County communities to consider the appropriate location for the development of an automobile and outdoor storage orientated industrial park that would allow for some of the study area businesses to relocate.	Administration/EDC	Long-term		

Goal	Who	When	Ongoing?	How (\$)
<div style="background-color: yellow; width: 20px; height: 20px; display: inline-block; vertical-align: middle;"></div> Pursue approaching land owners with a Right of First Refusal purchase agreement to assemble properties for redevelopment.	Administration/EDC	Long-term		



TABLE 11-2: SAVAGE IMPLEMENTATION MATRIX - HOUSING

Goal	Policy	Who	When	Ongoing?	How (\$)
Housing					
The City of Savage supports a balanced housing supply, with housing available for people at all income levels, all racial and ethnic groups, people with disabilities, and people at all stages in the life cycle.	The City will offer a variety of locations, to ensure affordable housing is not concentrated in any one neighborhood or section of the City.	Planning	Ongoing	X	
	A similar percentage of housing units in each neighborhood within the City should be made of housing for lower-income households.	Planning	Ongoing	X	
	The City recognizes that within the lower-income range there are those with very low incomes who will need deep rental subsidies, as well as lower-income households that may be able to afford home ownership.	Administration/EDC	Ongoing	X	
	Housing discrimination will not be tolerated, and efforts will be made to inform people of all racial/ethnic minority and socioeconomic groups of housing opportunities in the community.	Administration/EDC	Ongoing	X	

Goal	Policy	Who	When	Ongoing?	How (\$)
	<p>People with disabilities need both rental and home ownership opportunities in all housing sizes and price ranges. Housing for these population groups should be in locations convenient to transportation and other services in the community.</p>	<p>Planning</p>	<p>Ongoing</p>	<p>X</p>	
<p>The City of Savage supports a unified community of neighborhoods, each offering a variety of housing choices and interconnecting with a full-range of services and facilities in the community.</p>	<p>Narrower street widths are to be utilized in select areas in response to environmental constraints or as a means to further traffic calming. Sidewalks/trails are to be provided appropriately and not necessarily on every street.</p>	<p>Engineering</p>	<p>Ongoing</p>	<p>X</p>	
	<p>The reduction of minimum lot widths and the construction of front porches are encouraged, along with the construction of alleys as needed. This approach is particularly appropriate for the Hamilton District and other select areas of the City.</p>	<p>Planning</p>	<p>Ongoing</p>	<p>X</p>	
	<p>Interconnections of nearly all residential streets are also recommended wherever possible, along with connections between single and multi-family residential areas.</p>	<p>Engineering</p>	<p>Ongoing</p>	<p>X</p>	
	<p>Neighborhood shopping and service centers, as well as "clean" office and industrial areas, should be located throughout the community for easy residential access.</p>	<p>Planning</p>	<p>Ongoing</p>	<p>X</p>	

Goal	Policy	Who	When	Ongoing?	How (\$)
	Each neighborhood should have a community gathering spot, such as a park or open space area, community center, or space in a commercial area	Planning/Public Works	Ongoing	X	
The City of Savage supports a community of well-maintained housing neighborhoods.	To help ensure the continued good condition of the Savage housing stock, the City should consider adoption of a housing and property maintenance code.	Administration/Building	Ongoing	X	
	Scheduled inspections could be based on the age of the housing (for example, each unit could be inspected at 30 years of age), or inspections could be scheduled for specific areas of the city, with a different area being inspected each year.				
	A housing rehabilitation loan or grant program using state, federal, or local funds, may be needed to improve the housing.	Administration/EDC	Ongoing	X	
The City of Savage supports housing development that respects the natural environment while striving to accommodate the need for a variety of housing types and costs.	Planned Unit Development ordinances should be in effect in all environmentally sensitive areas.	Planning	Ongoing	X	
	Housing should be clustered in the buildable portions of sites, leaving environmentally sensitive areas as common open space.	Planning	Ongoing	X	



TABLE 11-3: SAVAGE IMPLEMENTATION MATRIX - NATURAL RESOURCES MANAGEMENT PLAN

Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
<b>Natural Resources Management Plan</b>					
Goal		Who	When	Ongoing?	How (\$)
	Minimize public capital expenditures needed to correct flooding and water quality problems.	Public Works	Mid-term		Stormwater Drainage Fund
	Protect and improve surface and groundwater quality	Public Works	Ongoing	X	Stormwater Drainage Fund
	Prevent erosion of soil into surface water systems.	Public Works, Building	Ongoing	X	
	Promote groundwater recharge.	Public Works	Ongoing	X	Development, Stormwater Drainage Fund
	Protect and enhance fish and wildlife habitat and water recreational facilities.	Public Works	Ongoing	X	Grants
	Secure benefits associated with the proper management of surface and groundwater.	Public Works	Ongoing	X	
Strategy	Policy	Who	When	Ongoing?	How (\$)
	The purpose of the education strategy is to foster responsible water quality management practices by educating residents, contractors,	Administration, Public Works	Ongoing	X	
	The City will implement public education as part of the NPDES Phase II program.	Administration, Public Works	Ongoing	X	
	The City will maintain its website for water resource management and SWPPP information.	Administration, Public Works	Ongoing	X	

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)	
<p>landowners, business owners, City Staff, City Council, and developers about proper water resource management. If these targeted audiences recognize their role in responsible water resource management in their homes, businesses, and practices, it is another means for the City to meet its goals. This education strategy has also been designed to be in conformance with the NPDES requirements.</p>	<p>The City will create a Developer's Guide.</p>	<p>Public Works</p>	<p>Short-term</p>	<p>Stormwater Drainage Fund</p>	
	<p>The City will solicit volunteers for water quality monitoring.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	
	<p>The City will provide information newsletters, utility bill flyers, and mailings aimed at fostering responsible water quality management practices.</p>	<p>Public Works, Administration</p>	<p>Ongoing</p>	<p>X</p>	
	<p>The City will continue to implement education regarding proper disposal of household hazardous waste. This will include posters in key locations and flyers in utility bills.</p>	<p>Public Works, Administration</p>	<p>Ongoing</p>	<p>X</p>	

Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
	The City will provide training opportunities for erosion and sediment control, BMP's, good housekeeping, and prevention pollution.	Public works	Ongoing	X	
	The City will hold an annual public meeting to discuss the SWPPP and water resource management practices in conformance with the NPDES permit.	Public Works	Ongoing	X	
	The City will partner with various Watershed Districts, Watershed Management Organizations, and Scott County in water resource public education.	Public Works	Ongoing	X	
The policies developed in the Regulation strategy outline specific stormwater management elements that are required to be implemented through the development and/or permitting process. The regulation strategy is	<b>Rate Control Policies:</b>				
	Future discharge rates from new development and redevelopment will, at a minimum, not exceed the existing discharge rates for storm events with a 50% (2-yr), 10% (10-yr) and 1% (100-yr) chance of annual occurrence. The target post-development discharge rate for the 1% chance of annual occurrence storm event will be 1 cfs	Public Works	Ongoing	X	Development

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)	
<p>targeted at the public, developers, contractors, City Staff, and City Council.</p>	<p>per acre of tributary drainage area for any new development within the City.</p>				
	<p>New storm sewer systems shall be designed to accommodate discharge rates with a 10% (10-yr) chance of annual occurrence. The design of all major stormwater storage facilities shall attempt to accommodate a critical duration event with a 1% (100-yr) chance of annual occurrence.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>
	<p>No orifice smaller than 4" is allowed in the construction of ponds or outlets within the City. A trashguard shall be installed on orifices less than 6". Skimming of Floatables shall occur upstream of all pond outlet devices</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>
	<p>Flood Control Policies. Building elevations within the City of Savage shall conform to the following requirements:</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>
	<p>The lowest floor elevation of all development, including basements, shall be required to be at least 2 feet above the 1% storm event high water level or regional flood level for the adjacent water or wetlands which have positive outlets.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>



Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
	The basement floor will be 4 feet above the currently observed groundwater elevations in the area.	Public Works	Ongoing	X	Development
	There shall be a minimum 3 feet of separation between low floor and 1% storm event high water level elevations for landlocked basins.	Public Works	Ongoing	X	Development
	Any new or redevelopment within the City shall maintain a minimum building opening of 3 feet above the anticipated 1% storm event high water elevation or maintain a lowest floor elevation of 2 feet above the 1% storm event high water level, whichever is highest. However, if the 3-foot freeboard requirement creates a hardship, the standard may be lowered to 2 feet if the following can be demonstrated: 1). Within the 2-foot freeboard area, stormwater storage is available which is equal to or exceeds 50% of the stormwater storage currently available in the basin below the 1% chance storm event elevation. 2). A 25% obstruction of the basin outlet over a 24-hour period would not result in more than 1 foot of	Public Works	Ongoing	X	Development

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)
	<p>additional bounce in the basin. 3). An adequate overflow route from the basin is available that will provide assurance that one-foot of freeboard will be maintained for the proposed low building opening.</p>			
	<p>Activities must be evaluated for impact on the 100-year (1-percent) floodplain unless compensatory floodplain mitigation is provided at a 1:1 ratio by volume and it is demonstrated that the 100-year floodplain will not be impacted. Compensatory floodplain mitigation is defined as replacement volume for storage of flood waters within the 100-year floodplain but outside of any required stormwater management ponds.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p> <p>Development</p>
	<p>Landlocked depressions that presently do not have a defined outlet and do not typically overflow may be allowed a positive outlet to protect adjacent properties. This outlet must be in conformance with current wetland regulations and demonstrate that downstream properties are not adversely affected by the flows. These</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p> <p>Development</p>

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)
<p>outlets are intended to be provided above the existing conditions 1% storm event HWL to provide protection to adjacent structures, unless damage has previously occurred.</p>				
<p>If an outlet is not available or provided for a landlocked basin, the area shall be modeled to accommodate a back-to-back 1%, 24-hour return frequency event or 1% 10-day runoff event (7.2 inches) on saturated or frozen soil conditions (CN=100). The required flood storage shall be established by the highest water surface elevation of the two events.</p>	Public Works	Ongoing	X	Development
<p>The City requires as-builts of all stormwater management areas and designated emergency overflows.</p>	Public Works	Ongoing	X	Development
<p>The City requires drainage and utility easements over significant hydrologic features such as stormwater storage areas, floodplains, and conveyance systems; and requires conservation easements over infiltration areas, wetlands and wetland buffers.</p>	Public Works	Ongoing	X	Development
<p><b>Water Quality Treatment Policies:</b></p>				

Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
	Treatment of stormwater to NURP guidelines is required prior to stormwater discharge to a lake, stream, or wetland and prior to discharge from the site as part of development	Public Works	Ongoing	X	Development
	In areas where NURP treatment basins are not feasible to construct and a variance from the City has been acquired, the MPCA NPDES requirements may be substituted.	Public Works	Ongoing	X	Development
	In areas of redevelopment where ponding is not feasible or available, in-line stormwater treatment systems will be required to treat storm water runoff.	Public Works	Ongoing	X	Development
	The City requires that all new and existing ponds be modified where feasible and practical to incorporate submerged outlet structures that will skim floatable materials. The outlets shall be submerged a minimum of 6 inches below the NWL and have velocities of less than 0.5 feet per second in the 99% return frequency storm event.	Public Works	Ongoing	X	Development

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)
<p>All new ponds shall have at least 18" of C or D soil or 24" of A or B soil separating pond bottoms from bedrock.</p>	Public Works	Ongoing	X	Development
<p>The City will cooperate with the MPCA to develop Total Maximum Daily Load (TMDL) studies on the listed impaired waters in the City.</p>	Public Works	Ongoing	X	Stormwater Drainage Fund
<p><b>Infiltration/Volume Control Policies:</b></p>				
<p>Infiltration of treated or minimally impacted stormwater is required for a volume that is equal to 1 inches of runoff from all newly created impervious surfaces within 48 hours. Newly constructed infiltration areas may be inspected by the City, Watershed Management Organization, or Watershed District after constructed to ensure that water is infiltrating as designed.</p>	Public Works	Ongoing	X	Development
<p><b>Wetlands Policies:</b></p>				
<p>The City is the Local Government Unit (LGU) for the Wetland Conservation Act (WCA) and therefore requires any</p>	Public Works	Ongoing	X	Development

Goal/Strategy/Policy	Who	When	Ongoing?	How (\$)
	projects that impact wetlands to conform to the WCA, the City's Wetland Management Plan, and the City's Wetland Ordinance.			
	The City requires wetland buffers and buffer monumentation as part of new development or redevelopment per the City's Wetland Ordinance.	Public Works	Ongoing	X Development
	The City encourages and will supply technical assistance to existing homeowners with properties adjacent to wetlands that were in existence prior to the adoption of the Wetland Management Plan (1999) to establish a 16.5 foot wetland buffer strip, unless a wider buffer is already in place.	Publics Works	Ongoing	X
	The City requires a 25-foot principal structure and 15-foot deck or patio setback plus buffer width from all wetlands and treatment berms.	Public Works	Ongoing	X Development
	Wetland mitigation and buffer areas must be constructed and maintained in accordance with BWSR.	Public Works	Ongoing	X Development
	Development must maintain hydrology to existing and newly created wetlands.	Public Works	Ongoing	X Development
	<b>Groundwater Policies:</b>			

Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
	The City will review and consider incorporating the Scott County Groundwater Plan into ordinances.	Public Works	Ongoing	X	
	The City requires that the design, installation and inspection of individual sewage treatment systems shall be in conformance with State standards and enforced jointly with Scott County.	Public Works	Ongoing	X	
	<b>Erosion and Sediment Control Policies:</b>				
	Development and redevelopment are required to conform to the City's erosion control ordinance. In addition to complying with the City's ordinance, development and redevelopment are required to conform to the Minnesota Pollution Control Agency's NPDES construction permit rules.	Public Works	Ongoing	X	Development
The City's internal operations can have a significant impact on water resource management. This strategy is targeted primarily at the City with	The City will sweep main and collector streets a minimum of four times per year. Other streets will be swept at least two times per year. The City will create a Developer's Guide.	Public Works	Ongoing	X	Development
	The City will inspect, at a minimum, 20% of the MS4 storm sewer outfalls	Public Works	Ongoing	X	Stormwater Drainage Fund

Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
<p>some items targeted at the public and/or another agency. These policies are aimed at operation and maintenance activities associated with water resource management within the City.</p>	<p>and stormwater treatment basins each year on a rotating basis and keep records of the inspections, finding, and maintenance activities completed.</p>				
	<p>The City and/or property owner shall annually inspect and clean as needed all sump water quality manholes (sumps/baffles, hydrodynamic seperators, etc.).</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Stormwater Drainage Fund</p>
	<p>The City will inspect all exposed stockpile, storage and material handling areas on a quarterly basis.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Stormwater Drainage Fund</p>
	<p>The City prefers to use regional detention and treatment areas rather than site specific detention areas where feasible.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>
	<p>The City will continue to partner with the LMRWD, Metropolitan Council, and Scott WMO on a water quality monitoring program that will include monitoring of Savage Fen and Eagle Creek.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	
	<p>The City shall implement the BMP's and report annually to the MPCA in accordance with the City's SWPPP.</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	
	<p>The City of Savage shall manage wetlands in accordance with the</p>	<p>Public Works</p>	<p>Ongoing</p>	<p>X</p>	<p>Development</p>



Goal/Strategy/Policy		Who	When	Ongoing?	How (\$)
	Wetland Conservation Act, City Code, and the City's Wetland Management Plan.				
	The City will continue to consider its Comprehensive Plan when planning water resource activities within the City.	Public Works	Ongoing	X	Development

TABLE 11-4: SAVAGE IMPLEMENTATION MATRIX - TRANSPORTATION

Goal	Who	When	Ongoing?	How (\$)
<b>Transportation</b>				
Facilitate efficient movement of people and goods within and through Savage.	Engineering	Ongoing	X	
Provide a transportation system that is integrated with land use and development.	Engineering	Ongoing	X	
Improve transportation safety for all users and modes of transportation.	Engineering	Ongoing	X	
Maintain the existing transportation system.	Engineering	Ongoing	X	
Develop a safe and convenient multimodal transportation system.	Engineering	Ongoing	X	
Expand CSAH 27: CSAH 44 to CSAH 21 from 2 to 4 lanes, including separated trail and sidewalk.	Scott County	Long-term		
Pavement overlay of CSAH 42 from Quebec Avenue to Dakota County Line.	Scott County	Short-term		
Construct new Dakota Avenue interchange with TH 13 and north and south frontage roads from Dakota Avenue to Vernon Avenue. This project has received \$15 million of federal freight funding from MnDOT for fiscal year (FY) 2022. Additional funds will need to be obtained to construct this project, which is estimated to cost \$27 to \$32 million. This project will significantly improve freight mobility for TH 13 and the Ports of Savage. Investment in transit and bicycle facilities, downtown access, Ports of Savage access, local TH 13 street connections and mobility along TH 13 parallel routes will be priorities for the City for this project.	MnDOT	Long-term		

Goal	Who	When	Ongoing?	How (\$)
An expansion project for CSAH 16 (McColl Drive) from TH 13 to West City Limits is programmed in the Scott County CIP for 2022 to improve mobility in this corridor, however, the design for this improvement has not yet been developed.	Scott County	Short-term		
Further develop preliminary designs for the 2022 programmed TH 13/Dakota Avenue interchange and develop a future design vision for TH 13 east of the Dakota Avenue interchange to Interstate 35W. This study would specifically analyze potential mobility and safety improvements for at-grade intersections located at Quentin Avenue, Lynn Avenue, Chowen Avenue and Washburn Avenue and whether full grade separation of this corridor to a freeway design is warranted. Investment in transit and bicycle facilities, downtown access, Ports of Savage access, local TH 13 street connections and mobility along TH 13 parallel routes will be priorities for the City along the TH 13 corridor. The study should also evaluate a future connection of Dakota Avenue from McColl Drive to TH 13.	MnDOT	Short-term		
Consider building out the TH 13 corridor from US Highway 169 to Interstate 35W to a grade separated freeway design with frontage and backage roads.	MnDOT	Long-term		
The City of Savage should coordinate with the Lower Minnesota River Watershed District and the U.S. Army Corps of Engineers to ensure that a regular schedule of dredging takes place along the Minnesota River so barge traffic traveling to and from the Ports of Savage can transport grain and other commodities.	Engineering/Lower Minnesota River Watershed District	Long-term		

Goal	Who	When	Ongoing?	How (\$)
<p>The Quentin Avenue Railroad Bridge is currently located on a tight curve with substandard height (10' 6" height clearance) and width clearance. The City of Savage should coordinate with the Canadian Pacific Railroad to upgrade this railroad bridge and roadway to meet minimum Municipal State Aid standards.</p>	<p>Engineering/Canadian Pacific Railroad</p>	<p>Long-term</p>		
<p>The Lynn Avenue Railroad Bridge currently has substandard height (11' 6" height clearance) and width clearance. The City of Savage should coordinate with the Canadian Pacific Railroad to upgrade this railroad bridge and roadway to meet minimum Municipal State Aid standards.</p>	<p>Engineering/Canadian Pacific Railroad</p>	<p>Long-term</p>		
<p>Scott County 2040 Travel Demand Model forecasts the TH 13 corridor from TH 13/TH 101 Interchange to South City Limits to be over capacity (V/C &gt; 1.0) by the year 2040. However, due to limited financial resources, MnDOT does not have any plans within the 2040 planning horizon to add additional capacity to this roadway.</p>	<p>MnDOT</p>	<p>Long-term</p>		
<p>The 2040 Scott County Transportation Plan illustrates a proposed turnback of TH 13 to Scott County from the TH 13/TH 101 interchange in the City of Savage to TH 282 in the City of Jordan. As part of this turnback, it is proposed that (in part) CSAH 17 (west of Savage) and CSAH 42 through the City of Savage be turned up to the State from Scott County. These proposed jurisdictional realignments are also referenced in MnDOT's "Minnesota Jurisdictional Realignment Project" report, dated July of 2014. However, as of the time of this City of Savage 2040 Transportation Plan update, no formal discussions have transpired between the County and MnDOT regarding these proposed changes.</p>	<p>MnDOT</p>	<p>Long-term</p>		

Goal	Who	When	Ongoing?	How (\$)
The Scott County 2040 Travel Demand Model forecasts the CSAH 42 (Egan Drive) Corridor from East City Limits to TH 13 to be over capacity (V/C > 1.0) by the year 2040. A corridor study with recommendations for automobile and truck mobility improvement projects as well as recommendations to improve mass transit and bicycle/pedestrian connections should be coordinated and initiated along CSAH 42 with Scott County.	Scott County	Long-term		
The Scott County 2040 Travel Demand Model forecasts the CSAH 42 (Egan Drive) corridor from TH 13 to West City Limits to be approaching capacity (V/C > 0.90) by the year 2040. A corridor study with recommendations for automobile and truck mobility improvement projects as well as recommendations to improve mass transit and bicycle/pedestrian connections should be coordinated and initiated along CSAH 42 with Scott County.	Scott County	Long-term		
The Scott County 2040 Transportation Plan and Metropolitan Council Functional Classification Map both illustrate a proposed new alignment roadway along CSAH 27 (Dakota Avenue) extending north of CSAH 16 (McColl Drive) to TH 13. The City and County should coordinate to preserve right-of-way for this future connection.	Scott County	Long-term		
Consistent with the Scott County CSAH 27 Corridor Study completed in 2014, Scott County should coordinate with the City of Savage to reconstruct the CSAH 27 (Dakota Avenue)/CSAH 16 (McColl Drive) Intersection with appropriate geometric improvements.	Scott County	Long-term		
Consistent with the Scott County CSAH 27 Corridor Study completed in 2014, Scott County should coordinate with the City of Savage to install a traffic signal at the CSAH 27 (Dakota Avenue)/CSAH 42 (Egan Drive) Intersection.	Scott County	Long-term		

Goal	Who	When	Ongoing?	How (\$)
Consistent with the Scott County CSAH 27 Corridor Study completed in 2014, Scott County should coordinate with the City of Savage to monitor the CSAH 27 (Dakota Avenue)/154th Street Intersection from a traffic and operations perspective and consider necessary geometric or stop control improvements as warranted.	Scott County	Long-term		
Consistent with the Scott County CSAH 27 Corridor Study completed in 2014, Scott County should coordinate with the City of Savage to monitor the CSAH 27 (Dakota Avenue)/CSAH 44 intersection from a traffic and operations perspective and consider necessary geometric or stop control improvements as warranted. Improvements at the CSAH 27/CSAH 44 intersection should be evaluated as part of a comprehensive corridor study review of CSAH 42 in cooperation with Scott County.	Scott County	Long-term		
Construct the new alignment extension of Eagle Creek Parkway South to McColl Drive roadway as part of the City of Savage Municipal State Aid System (MSAS).	Engineering	Long-term		
Construct new alignment extension of Aquila Avenue east to South Allen Boulevard as part of the City of Savage Municipal State Aid System (MSAS).	Engineering	Long-term		
Construct new alignment extension of 126 <sup>th</sup> Street West east to CSAH 27 (Dakota Avenue) as part of the City of Savage Municipal State Aid System (MSAS).	Engineering	Long-term		
Coordinate with property owner regarding establishment of necessary roadway network and utilities to service the Bohn Property (West of CSAH 27 (Dakota Avenue and North of CSAH 16 (McColl Drive)).	Engineering	Long-term		
Establish new City street connection to TH 13 along Chowen Avenue.	Engineering	Long-term		

Goal	Who	When	Ongoing?	How (\$)
Work with MVTA to evaluate and determine sidewalk and trail improvements to enhance non-motorized access to the Savage Park and Ride facility and bus stops.	Engineering, MVTA	Long-term		
Continue working with MVTA to evaluate current local bus service in Savage and determine long-term service needs. Transit investment is a priority for the City of Savage, especially along key mobility corridors such as TH 13 and CSAH 42. The City will work with MVTA, Scott County and MnDOT to evaluate overall transit needs in the City and invest in transit within these and other City corridors as opportunities present themselves.	Planning, MVTA	Ongoing	X	
Continue working with MVTA to evaluate providing bus service with transit stop and connections to the Hamilton District.	Planning, MVTA	Short-term		
The City proposes to further evaluate the options for the Dan Patch Line, including revisiting the feasibility and potential opportunities to develop commuter rail and park and ride lots along this corridor across the Minnesota River from Savage to downtown Minneapolis and St. Paul. This study will require coordination with Metropolitan Council, MnDOT, Canadian Pacific Railroad, Twin Cities & Western Railroad and other communities along the Dan Patch Corridor.	Administration, MVTA	Long-term		
Work with MVTA to explore the potential and appropriate locations for providing fixed bus stop locations in Savage to enhance access and comfort for riders and to make transit service more visible in the community. Transit investment is a priority for the City of Savage, especially along key mobility corridors such as TH 13 and CSAH 42. The City will work with MVTA, Scott County and MnDOT to evaluate overall transit needs in the City and invest in transit within these and other City corridors as opportunities present themselves.	Planning, MVTA	Ongoing	X	

Goal	Who	When	Ongoing?	How (\$)
Continue to complete gaps in the sidewalk and trail network by implementing the Pedestrian and Bicycle Master Plan. Annually review the master plan and incorporate priority projects into the capital improvement program as warranted.	Parks/Public Works	Ongoing	X	
Work with neighboring cities and Scott County to complete sidewalk and trail gaps between communities to further enhance non-motorized access between Savage and the rest of the region.	Parks/Public Works	Ongoing	X	
Support making sidewalk and trail connections that provide access for Savage residents to regional destinations including Cleary Lake Regional Park, Murphy-Hanrehan Park Reserve, the Scott West Regional Trail, and the Minnesota Valley Wildlife Refuge.	Parks/Public Works	Ongoing	X	
Ensure the City can sustainably maintain its sidewalk and trail network by adequately funding necessary maintenance and operational needs as the network continues to expand.	Parks/Public Works	Ongoing	X	

TABLE 11-5: SAVAGE IMPLEMENTATION MATRIX - PARKS

Goal	Actions	Who	When	Ongoing?	How (\$)
<b>Parks</b>					
Complete a comprehensive trail network in Savage, including trail and	Implementation of the 2018 Pedestrian and Bicycle Master Plan.	Parks/Public Works	Ongoing	X	
	Actively pursue trail funding opportunities including, State, Federal and private sector grants.	Parks/Public Works	Ongoing	X	



Goal	Actions	Who	When	Ongoing?	How (\$)	
	walkway underpasses where feasible.	Assure that planned trails, walks and grade-separations associated with road and intersection projects occur as an integral part of the improvement project.	Parks/Public Works	Ongoing	X	
	Continue to re-invest in existing parks to keep them safe, high quality and meeting resident's needs	Replace and upgrade facilities on a regular basis through a facility management program and retain a high standard for park maintenance.	Parks/Public Works	Ongoing	X	
		The strategy is to ensure a proportional share of improvements to community and neighborhood parks	Parks/Public Works	Ongoing	X	
	Maximize use of existing athletic facilities through schedule improvements and field enhancements.	Provide recreation facilities to meet existing community needs.	Parks/Public Works	Ongoing	X	
		Initiate partnerships for youth recreation facilities. Partnership options include: Youth Athletic Groups and Schools- work collaboratively with PLAY, BAC, Prior Lake Soccer Club and ISD 191 and 719 to maximize use of current athletic fields. This includes determining what increased maintenance needs there are to bring existing fields into higher quality condition.	Parks/Public Works	Ongoing	X	
	Evaluate and select best options for indoor recreation	Initiate the development of one to three Neighborhood Centers in key locations in City parks to serve as gather spaces for a variety of uses.	Parks/Public Works	Short-term		

Goal	Actions	Who	When	Ongoing?	How (\$)
and community facilities	Based on development in neighboring communities, evaluate the ability for the City of Savage to continue to be in the business of providing dome space during the winter months. Determine if an alternate indoor facility is warranted.	Parks/Public Works	Ongoing	X	
Expand access to key natural resource areas	Provide appropriate public access to Minnesota River, Savage Fen, Boiling Springs Credit River and McColl Pond	Parks/Public Works	Long-term		
	Look for opportunities to have discussions with riverfront land owners regarding a future Minnesota River park and public access.	Parks/Public Works	Long-term		
	Obtain land for a riverfront park and road and trail access to the river.	Parks/Public Works	Long-term		
Enhance City identity and build sense of community.	Coordinate public art activities and installations with the Savage Art Council and initiate priority public art projects.	Parks/Public Works	Short-term		
	Explore funding, partnerships and design options for community arts and history.	Parks/Public Works	Ongoing	X	
	Develop and hold events that bring the community together to celebrate the City's unique qualities and history.	Administration	Ongoing	X	
	Install park and trail system maps, entrance monuments and historic markers.	Parks/Public Works	Short-term		
	Initiate a policy discussion about dedicated funding for public art.	Parks/Public Works	Short-term		

Goal	Actions	Who	When	Ongoing?	How (\$)
Continue to ensure safe parks and public spaces, and enhance awareness of parks, trails and recreation programs	Develop and implement an action plan to promote safe parks.	Parks/Public Works	Ongoing	X	
	Utilize the City recreation strategies to consistently portray the benefits of parks and recreation.	Parks/Public Works	Ongoing	X	
	Develop a cost recovery model to be adopted in order to provide direction to staff for establishing the appropriate fees for programming.	Parks/Public Works	Ongoing	X	
Obtain a balance of funding sources to implement plan actions.	Evaluate using a bond referendum to fund a mix of natural resource, park expansion and trail improvement projects.	Parks/Public Works	Short-term		
	Update park dedication regulations and fees. Fees to match cost of park and trail improvements need to serve new growth.	Parks/Public Works	Short-term		
	Develop an annual competitive matching funds program to encourage partner groups to match City funds for park and trail improvements.	Parks/Public Works	Short-term		
	Seek trail grants such as Federal T-21, MNDNR and Safe Routes to Schools.	Parks/Public Works	Ongoing	X	
	Budget for park revitalization, trail development and new park and open space land using general funds, park dedication and grants.	Parks/Public Works	Ongoing	X	

TABLE 11-6: SAVAGE IMPLEMENTATION MATRIX - ECONOMIC DEVELOPMENT PLAN

Goal		Who	When	Ongoing?	How (\$)
<b>Economic Development</b>					
Savage will preserve and enhance our natural amenities and maximize recreational opportunities for our community.		All departments	Ongoing	X	
Savage will provide high quality, innovative City services to meet changing needs		All departments	Ongoing	X	
Savage will foster a pride of place that capitalizes on the unique qualities and history of our community.		All departments	Ongoing	X	
Savage will maintain and promote a high level of public safety to meet the demands of a changing community		All departments	Ongoing	X	
Savage will facilitate the development of efficient and effective transportation systems that provide for both local and regional needs		All departments	Ongoing	X	
Savage will facilitate thoughtfully planned, balance and diverse development		All departments	Ongoing	X	
Goal	Strategy				
Undertake development and revitalization of the Hamilton District.	Secure acquisition of downtown properties that fit into overall master plan as they become available.	Administration/EDC	Short-term		Grants, Scott County CDA, Economic Development Fund, Community Investment Fund
	Work with owners of old mall (124th Street) to rehab consistent with new design standards.	Administration/EDC	Short-term		Scott County CDA, Economic Development Fund, Community Investment Fund

Goal		Who	When	Ongoing?	How (\$)
	Redevelop Windmill/Allen Station Site (5367 Highway 13)	Administration/EDC	Short-term		TIF, Tax Abatement
	Work with developer to facilitate redevelopment and/or active use of site occupied by Continental Machines.	Administration/EDC	Ongoing		TIF, Tax Abatement
	Work with developer to facilitate development of the vacant parcel of land owned by Continental Machines adjacent to TH 13.	Administration/EDC	Short-term		TIF, Tax Abatement
	Work with owner of Buffalo Tap to pave parking area including a portion of former fire station site and/or enhance landscaping in that area.	Administration/EDC	Short-term		Community Investment Fund
	Continue to market vacant land owned by City for development purposes.	Administration/EDC	Ongoing	X	
	Consider pursuing a Certified Letter of Map revision to flood plain to assist in developing parcels impacted by flood plain.	Engineering	Short-term		
	Complete redevelopment plan for area east of Dakota Ave and west of Dan Patch line.	Planning/EDC	Short-term		
	Continue efforts to remove Dan Patch Line gag order.	Administration/CC	Short-term		
	Continue efforts that will provide for trail connection to MN River and/or the securement of land for river overlook.	Parks/Public Works	Long-term		

Goal		Who	When	Ongoing?	How (\$)
	Identify parcels to be secured for long term redevelopment and affordable housing projects.	Administration/EDC	Short-term		
	Continue efforts to fill vacant space within the Hamilton Building.	Administration/EDC	Ongoing	X	
	Identify a destination community use for the Hamilton Area	Administration/EDC	Ongoing	X	
	Work with property owner to rehabilitate retail center on 123rd. St. east of Lynn.	Administration/EDC	Medium-term		
	Adopt Hwy 13 Corridor Zoning amendments to facilitate office/showroom/display uses.	Planning/PC	Short-term		
	Develop a financing plan and programs for targeted acquisitions	Administration/EDC	Short-term		
	Consider development of housing maintenance ordinance and rehab incentive program.	Administration/EDC	Short-term		
Develop programs and policies that will enhance the City's Economic Development potential.	Develop incentive program that encourages private reinvestment of existing housing stock particularly in vulnerable residential areas.	Administration/EDC	Medium-term		
	Consider development of rental housing inspection program.	Administration/Building	Medium-term		
	Partner with and financially contribute to support work force housing development projects. Develop incentive program that will promote this type of development.	Administration/EDC	Medium-term		

Goal		Who	When	Ongoing?	How (\$)
	Secure CDA corridor readiness grant to complete Chowen/Glenhurst preliminary design study.	Administration/EDC	Short-term		Scott County CDA
	Work with Scott Co. and MnDot to secure remaining funds to complete Dakota/TH 13 interchange project.	Engineering	Short-term		Scott County CDA
	Work with MnDot to improve intersection at Lynn Ave. and north frontage road connection to Glenhurst/Chowen interchange.	Engineering	Short-term		
Improve Transportation flow and access throughout the community to improve public safety and enhance economic development opportunities.	Complete realignment of Hampshire Ave. extending into Credit River Township with new Credit River crossing.	Engineering	Short-term		MSA Funds, Sewer Fund, Water Fund, Stormwater Drainage Fund
	Complete reconstruction of CR 42 from Boone Ave. to Louisiana Ave.	Engineering	Short-term		MSA Funds, Street Collector Fund, County Funds
	Work with MVTA to improve marketing of City Transit Options	Administration/Planning	Short-term		
	Complete trail connection between Burnsville-Savage on Murphy Hanrehan Rd.	Parks/Public Works	Short-term		
	Evaluate potential for park-n-ride location in Downtown Area connecting with MVTA.	Administration/CC	Short-term		
	Complete trail connection on CR 27 between CR 44 and Cleary Lake Park.	Scott County	Medium-term		County Funds

Goal	Who	When	Ongoing?	How (\$)
	Administration/CC	Medium-term		
	Scott County	Short-term		
	Engineering	Medium-term		MSA Funds, Bridge Bonding
	Administration/Parks	Medium-term		
	Engineering	Short-term		G.O. Bonds, Revenue Bonds, Street Collector Fund, Sewer Fund, Water Fund, Stormwater Drainage Fund
	Engineering	Short-term		G.O. Bonds, Revenue Bonds, MSA Funds, Street Collector Fund, Sewer Fund, Water Fund, Stormwater Drainage Fund
	Engineering	Medium-term		Revenue Bonds, Water Fund



Goal		Who	When	Ongoing?	How (\$)
Encourage the development of support services which provide for a good free-standing growth center and enhance quality of life.	Adopt ten-year pond maintenance program.	Engineering	Short-term		Stormwater Drainage Fund
	Adopt ten years sidewalk/trail maintenance plan.	Engineering	Short-term		
	In conjunction with Quentin Ave. redesign and RR bridge replacement construct RR trail pedestrian tunnel and river bridge crossing connecting Quentin to Warren Butler Park.	Engineering/Public Works	Medium-term		
	Evaluate development of neighborhood community centers to be placed in each quadrant of the City.	Parks/Public Works	Short-term		
	Evaluate acquisition of Three Rivers Church property for neighborhood community center site if it becomes available.	Parks/Public Works	Short-term		
	Biennially schedule a tour of the community for EDC members, Council and the Planning Commission to view Comm./Ind. opportunities and constraints.	Planning	Ongoing	X	
	Formally review and update two-year city work plans.	Administration/CC	Ongoing	X	
	Construct Community Entrance Sign near CR 27/CR 44 intersection.	Administration/CC	Short-term		General Fund
	Conduct biennial community survey.	Administration/CC	Ongoing	X	
	Develop Education Programs that will	Undertake Community visioning process. (Driving the next Decade)	Administration/CC	Short-term	

Goal		Who	When	Ongoing?	How (\$)
improve and enhance communications between the City and its residents.	Identify methods and programs to engage culturally diverse neighborhoods.	Administration/CC	Ongoing	X	
	Evaluate use of public access programming and determine if alternative strategies should be considered.	Administration/CC	Short-term		
	Work with Riverland Ag. on Yosemite Ave. to facilitate expansion project.	Administration/CC	Short-term		
	Partner with Cargill and Mosaic to certify dike.	Administration/CC	Short-term		
	Work with Prior Lake Aggregates to complete mining operation on the north side of CR 44.	Planning/Administration	Short-term		

TABLE 11-7: SAVAGE IMPLEMENTATION MATRIX - WATER SUPPLY

Goal		Who	When	Ongoing?	How (\$)
<b>Water Supply</b>					
Evaluate need for new well and additional treatment capacity between 2025 and 2030 should there be capacity need to serve areas within Credit River Township		Public Works	Long-term		
Expansion of trunk water main as development occurs in the southwestern corner of the city		Public Works	Long-term		Development

Goal	Who	When	Ongoing?	How (\$)
Educate customers about groundwater protection through newsletters, newspaper articles, public service announcements, the City web site, and educational mailings	Public Works	Ongoing	X	
Explore possibility of constructing additional interconnections in the future, in particular with the City of Burnsville	Public Works	Long-term	X	
Monitor need for demand reduction measures are to be used to ensure that the firm well capacity is not exceeded by high water demands	Public Works	Ongoing	X	
Continue to check for leaks in the system and repair them as soon as possible. Meters should also be checked and calibrated for accuracy	Public Works	Ongoing	X	

TABLE 11-9: SAVAGE IMPLEMENTATION MATRIX - SANITARY SEWER PLAN

Goal	Who	When	Ongoing?	How (\$)
<b>Sanitary Sewer Plan</b>				
Review flows and capacities in two parts of the trunk sanitary sewer system as development progresses: (1) the 10-inch, 12-inch and 15-inch gravity sewers downstream of the County Rd 42 Lift Station and (2) the 12-inch gravity sewers downstream of the Steiner Lift Station	Public Works	Ongoing	X	
Expansion of the system to serve future development	Public Works	Ongoing	X	Development
Review runtime records and monitor flows at these lift stations as development progresses within their service areas	Public Works	Ongoing	X	
Continue efforts to eliminate inflow/infiltration (I/I) sources	Public Works	Ongoing	X	

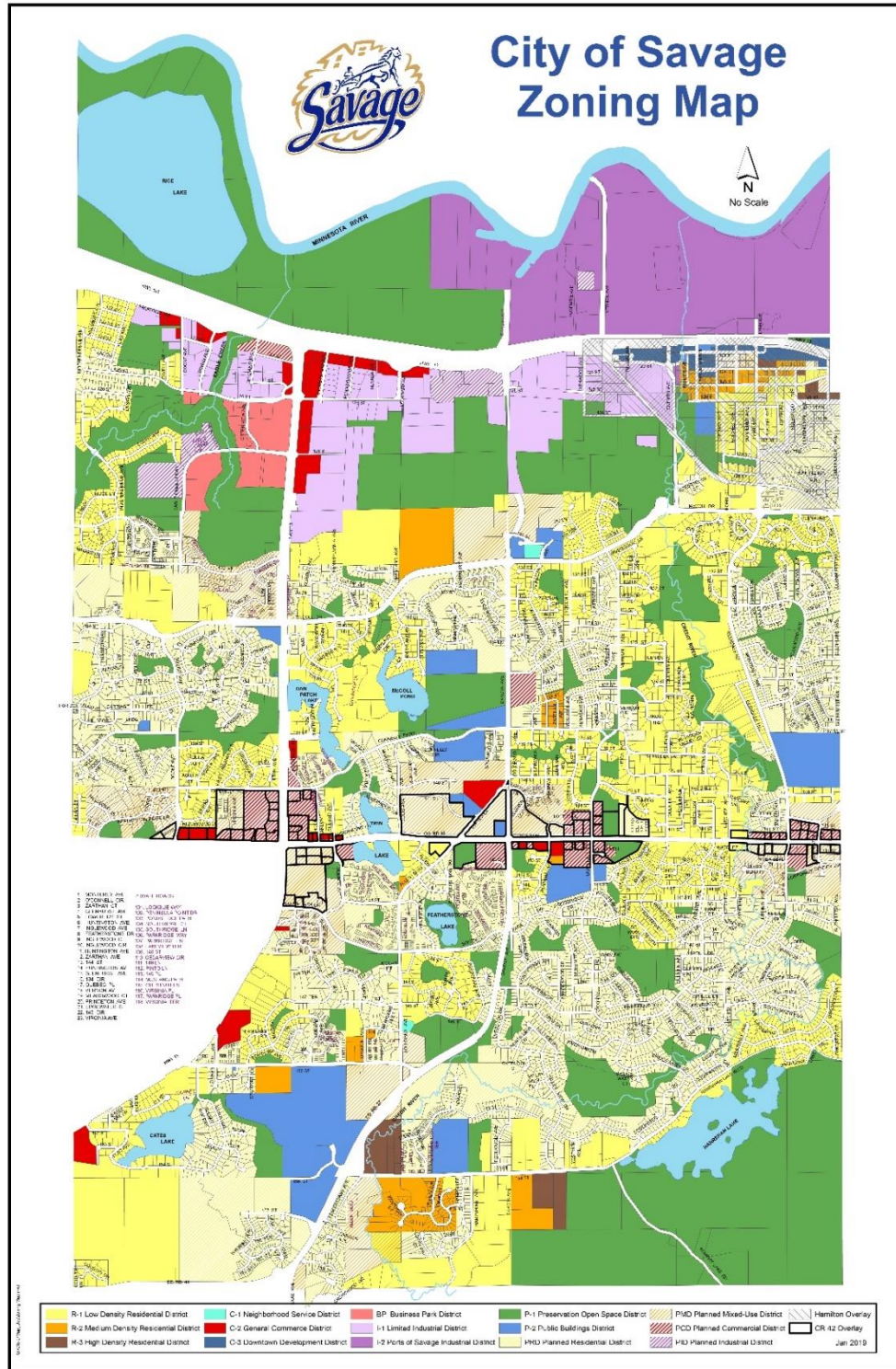
TABLE 11-10: SAVAGE IMPLEMENTATION MATRIX - SURFACE WATER MANAGEMENT

Goal	Who	When	Ongoing?	How (\$)
<b>Surface Water Management</b>				
Shroeder's Acres Park/Savage Fen Stormwater Management Project - This project will evaluate options for incorporating stormwater wetland and irrigation reuse systems on the site and address phosphorous, temperature, metals, E. coli and runoff volume in Eagle Creek. Partner with LMRWD and DNR.	Public Works staff	Short-term		Stormwater Utility Fund, LMRWD, Grants
Twin Lakes Stormwater Study - This effort consists of completing a feasibility study regarding runoff volume control (including the reuse of stormwater) in the Twin Lakes area of the City of Savage. The City will lead and manage this study. The SWMO's role is advisory, and to pass through state Watershed Based Funding for the study.	Public Works staff	Short-term		Stormwater Utility Fund, SWMO, Grants
128th St Bridge Over Eagle Creek slope stabilization	Public Works staff	Short-term		Stormwater Utility Fund
Volume reduction feasibility study within Community Park.	Public Works staff	Short-term		Stormwater Utility Fund, Grants, LMRWD, Scott County
Implement identified BMPs from the Community Park Volume Reduction Study	Public Works staff	Medium-term		Stormwater Utility Fund, Grants, LMRWD, Scott County
Continue to perform LGU responsibility for the Wetland Conservation Act.	Public Works staff		X	Stormwater Utility Fund
Provide review for all new development or redevelopment of sites within the City of Savage to assure the goals, policies, and objectives outlined in this plan are implemented.	Public Works staff		X	Stormwater Utility Fund
Coordinate inspection & enforcement of erosion control measures required for site development activities within the City of Savage with the NPDES Erosion Control Program.	Public Works staff		X	Stormwater Utility Fund
Continue to provide City compliance with local, county, state, and federal stormwater management requirements.	Public Works staff		X	Stormwater Utility Fund

Goal	Who	When	Ongoing?	How (\$)
Implement SWPPP BMP's.	Public Works staff		X	Stormwater Utility Fund
Develop and implement a City program to inspect and maintain underground water quality treatment devices such as stormceptors.	Public Works staff		X	Stormwater Utility Fund
Assist & Encourage the DNR in the management of Eagle Creek.	Public Works staff		X	Stormwater Utility Fund
Develop a City program to complete periodic inspections identifying areas within the City with erosion problems.	Public Works staff		X	Stormwater Utility Fund
Development & implementation of community education plan to increase the resident's awareness concerning proper water resource management & catch basin stenciling program.	Public Works staff		X	Stormwater Utility Fund
Undertake Water Quality Monitoring Program.	Public Works staff		X	Stormwater Utility Fund
North Savage stormwater management policy development	Public Works staff		X	Stormwater Utility Fund
Implement the AUAR Comprehensive Mitigation Plan.	Public Works staff		X	Stormwater Utility Fund
HydroCAD model identified issues - The City will review any drainage issues identified through the HydroCAD model updates to determine if a capital improvement project is needed to address the drainage issue. Placeholder for any needed feasibility studies.	Public Works staff	Medium-term		Stormwater Utility Fund, Grants
Projects identified in the City's 10-year Pond Maintenance Plan	Public Works staff		X	Stormwater Utility Fund, Grants
Update the City-wide HydroCAD model	Public Works staff	Short-to-medium term		Stormwater Utility Fund, Grants

Goal	Who	When	Ongoing?	How (\$)
<div style="background-color: #808080; width: 20px; height: 20px; display: inline-block; vertical-align: middle;"></div> The WRMP outlines several implementation actions through 2027 in Section 6.0: Implementation Plan, beginning on page 81 of the Plan.	Public Works staff	Short-to-medium term	X	Stormwater Utility Fund, Grants, Scott WMO, Review Fees

ZONING MAP AND DESCRIPTIONS



Zoning District		Description	Minimum Lot Area
R-1	Low Density Residential	Low density residential development in areas where adequate public facilities and services exist and where the development is appropriate given surrounding land uses. Maximum of 3 units per net residential acre.	10,890 sq. ft.
R-2	Medium Density Residential	Housing development at densities between five units per acre and 12 units per acre, allowing for a greater diversity of housing choices within the city and the potential for preservation of natural resources through cluster development techniques.	Single-family dwellings: 8,500 sq. ft. Other uses: 15,000 sq. ft.
R-3	High Density Residential	Housing development densities of eight units per acre and greater, in recognition of the need for higher density housing arrangements that result in increased housing choices and affordability and the potential for preservation of natural resources through cluster development techniques.	20,000 sq. ft.
C-1	Neighborhood Service	Provides opportunities for city residents to make day-to-day purchases at locations convenient to their place of residence.	7,500 sq. ft.
C-2	General Commerce	Provides appropriate areas, preferably in clusters in proximity to major thoroughfares, for commercial retail establishments which are oriented to the motoring public or which require large sites for display of merchandise, and which are not necessarily compatible with the desired character of neighborhood or community shopping centers.	1 acre
C-3	Downtown Development	Recognizes the existing "downtown" area of the city and provides for a "filling-in" and "rounding-out" of the center with uses similar to those which exist, but generally to discourage geographic expansion in view of its non-central location relative to the city as a whole.	See Hamilton overlay dist.
BP	Business Park	Provides for the establishment of corporate headquarters, business offices, wholesale showrooms and related uses in an environment that provides a high level of amenities, including landscaping, preservation of natural features, architectural controls, pedestrian trails and other features.	30,000 sq. ft.
I-1	Limited Industrial	Provides land for development of traditional industrial activities, sufficient in size to meet employment and tax base requirements of the city. The overall character of	2 acres



		the district is intended to allow industrial development but to assure that it is compatible with adjacent land uses.	
I-2	Ports of Savage Industrial	Recognizes existing water-oriented industrial development within the city and provides sufficient land for possible new, expanded or relocated industries of a similar nature; the industries to be generally characterized by low employment levels and low building to land ratios in response to the location of the district within the Minnesota River flood plain and to demand by certain industries to water-oriented sites offering water transportation facilities. It is also the intent of the section to provide for the existence of sexually-oriented uses in in an area that minimizes the secondary effects of the business.	4 acres
P-1	Preservation Open Space	Agriculture, public parks and recreation area uses that preserves significant natural features and amenities such as lakes, rivers, marshes, steep hills and extensive woodlands in their natural state in order to assure continuation of the existing natural drainage system; prevents harmful soil erosion; maintains ecological balance; and assures the permanent use for their primary natural function as well as for enjoyment by the general public.	N/A
P-2	Public Buildings and Facilities	Accommodates large-scale governmental, public utility, recreational and educational facilities. Provides a procedure for the orderly establishment of public facilities, expansion of operations or change in the use of public facilities.	1 acre
PUD	Planned Unit Development	Provides for greater flexibility in the development and redevelopment process as compared to rather rigid development regulations common to traditional zoning districts.	N/A