Village of Merrillan
Jackson County, Wisconsin
Five Year Capital Improvement Plan

2020-2024

MSA Project No. 00154026

April 2020

Prepared by:
MSA Professional Services, Inc.
146 North Central Avenue, Suite 201
Marshfield, Wisconsin 54449

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I. EXECUTIVE SUMMARY

The Village of Merrillan's 5-Year Capital Improvement Plan (CIP) has been prepared for three primary public infrastructure components as follows:

- Public Street Improvements
- Public Utility Improvements (Water System, Sanitary Sewer System, and Electrical Distribution System)
- Public Services Infrastructure Improvements

Section III describes the process used to identify, evaluate, and prioritize CIP projects. Merrillan's 5-Year CIP includes four street improvement projects, eleven utility replacements or updates, new village facilities, and multiple equipment upgrades and purchases. Some of the equipment purchases include new village vehicles and office equipment.

Section IV provides a table with summary details for identified infrastructure improvement projects on the 5-Year CIP cycle. The list of projects also includes projected year for implementation.

Section V outlines the process for calculating the estimates presented in this Capital Improvement Plan. Each component; Construction Costs, Contingencies, Engineering, Legal and Administrative, Environmental Constraints, Inflation, and Land Acquisition are listed and explained.

Section VI provides a detailed list of the improvements/equipment identified to be constructed/purchased during the 5-year CIP cycle. It includes cost and projected year for implementation. The list is tabulated in seven sections, one for Street Improvements, Utility Improvements, Equipment, Office, Parks and Buildings, Police, and Fire & EMS Department. The costs for each section are summarized in a final budget summary at the end of Section VI. A pie chart is also included to show project cost distribution by department/budget.

Section VII lists the public infrastructure projects and eligible funding mechanisms such as Community Development Block Grant (CDBG), Safe Drinking Water Fund (SDWLP), and Clean Water Fund (CWF) programs. All the projects listed within this CIP lie within the TID ½ mile buffer zone and may be eligible for TIF (See Appendix C). Note that just listing a project as eligible for a particular funding mechanism does not mean that it would be beneficial for the village to pursue as a funding source. It may be necessary to combine projects to make the cost of procuring and administering the funding mechanism advantageous to the community. Also note that the funding mechanisms listed in this CIP are not a complete list of available funds at the state and federal levels that the village may be eligible for.

II. INTRODUCTION

Communities today are faced with the difficult task of allocating limited resources among a seemingly unlimited number of demands and needs for public services. In many instances, local officials must determine the merits of one project over another without the benefit of comparison, which may result in misjudgment and further limit the community's ability to act precisely on major budget allocation decisions. One method available to local units of government to help manage and systematize the budget allocation process is a Capital Improvement Program.

Capital Improvement Programming (CIP) is simply an ongoing, systematic approach to identify, schedule, and efficiently allocate public dollars to needed capital projects. Typically, a CIP schedules needed municipal projects over a period of five years, but can extend beyond. Projects, including cost estimates and funding sources, are assigned a date for completion based on community needs and revenues. Each year the program is updated and extended one year to stay responsible to the community's changing needs. CIP will eliminate "crises" or reactive financial management.

A carefully developed CIP allows a community to anticipate its facility needs and to schedule improvements according to the community's needs and its local financial capabilities. The CIP process offers several additional benefits to a community.

1. Aid in the task of effectively allocating limited resources among a seemingly unlimited number of demands and needs for public service;

2. Improve communications and cooperation among various interests in the community;

3. Provide continuity in financial decisions by linking long-term planning to the programming and budgeting of major projects;

4. Stabilize local tax rates by more effectively relating expenditures to financial capacity in a given time frame; and

5. Improve local ability to use state and federal grant-in-aid programs.

III. THE CIP PROCESS

While the process may vary from community to community, a typical CIP procedure will include the following steps:

A. Analyze Community Facility Needs
B. Prepare Project Descriptions
C. Analyze Fiscal Capacity
D. Set Project Priorities
E. Develop and Adopt CIP
F. Update CIP Annually

1. Analyze Community Facility Needs - A community begins by analyzing its community facilities and the services it provides with an emphasis on its adequacy to serve the public and identify future capital improvement needs. The analysis will typically include municipal facilities such as public water and sewer systems, streets and sidewalks, municipal protection facilities, recreational facilities, and certain economic development related interests of the community.

2. Prepare Project Descriptions - After determining the need for capital improvements, it is necessary to collect details on the project so that its implementation priority can be accurately and equitably assigned. Cost estimates, project schedule, locations, and potential funding sources are listed for each project.

3. Analyze Fiscal Capacity - The next step is to analyze the community's financial capacity to fund capital improvements. The financial analysis examines projected operating revenues and expenses for each year of the programming period. The amount of financing available for capital projects equals the surplus of projected operating revenues over expenditures. The analysis must also consider debt servicing as an alternate form of financing.

4. Set Project Priorities - Since a community will often identify more projects than can be funded, priorities must be established. By doing so, priorities can be established so that limited financial resources are allocated efficiently. To accomplish this task, criteria is set to provide some objective standards in establishing priorities.

5. Develop and Adopt CIP - The final CIP combines the individual project descriptions, priorities, and financial analyses into a recommended schedule of capital projects. Upon general consensus of local officials, the CIP should be adopted by resolution supporting the recommended program.

6. Implementation and Updating - It should be emphasized that the CIP is a flexible and dynamic document that is updated annually to reflect changing needs and new

priorities. Each year the community will identify new projects, monitor fiscal capacity and set new priorities for the upcoming year. Through annual review and updating, the CIP will reflect the most current goals and priorities of the community.

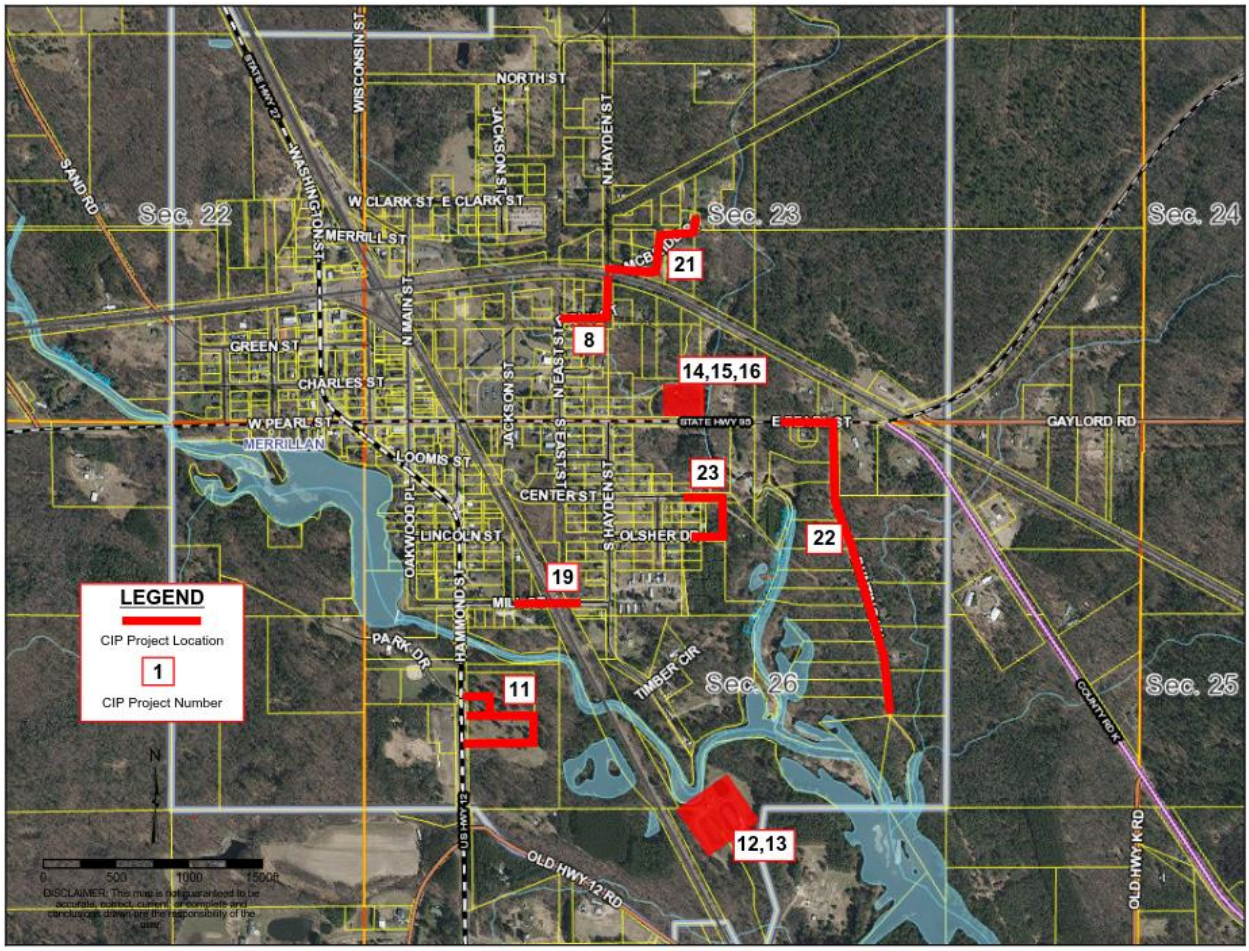
IV. INFRASTRUCTURE IMPROVEMENTS

The Village of Merrillan has identified a number of future infrastructure improvements village-wide. Table 1 provides a summary of a few of the infrastructure projects which are most viable to commence within the next 5 years. The projects listed are included on the project map which follows the table on the next page. The project map can also be found in Appendix B. A more detailed list of all proposed projects can be found in Section VI.

Table 1 below lists the types of proposed infrastructure projects and corresponding year of anticipated construction.

Projects Recommended for the 2020-2024 CIP	*Project #*	*Location*	*Year*
Street Improvements	8	Reconstruct Polk St. and N. Hayden St.	2021
	11	Cemetery Roads Repair	2022
	21	Reconstruct McBride St.	2024+
Utility Improvements	12,13	WWTF Upgrades	2022
	14,15,16	Well Upgrades	2022
	19	Mill St.- Sewer RR Crossing	2023
	22	Bunting Lane Water & Sewer Extension	2024+
	23	Olsher Dr.- Center St. Water Loop	2024+

Project Location Map



V. ESTIMATING

Estimated Cost of Recommended Improvements

The cost estimates presented in this Capital Improvement Plan will typically include six components: construction cost, contingency, engineering cost, legal and administrative costs, environmental constraints, and inflation. Each of the cost components are discussed in this section. The estimates presented herein are preliminary and are based on the level and detail of planning presented in this Study. All of the water main, sanitary sewer, and street quantities are scaled from mapping. As projects proceed and as site-specific information becomes available, the estimates may require updating.

Construction Costs

The estimated construction costs in this Capital Improvement Plan are based on actual recent construction bidding results from similar work, published cost guides, other construction cost experience, and current material prices. Where required, estimates are based on preliminary layouts of the proposed improvements. Cost estimates for this Capital Improvement Plan were primarily based on costs compiled from 2018 and 2019 construction data.

Contingencies

A planning level contingency factor equal to approximately 15% of the estimated construction cost has been added. In recognition that the cost estimates presented are based on conceptual planning, allowances must be made for variations in final quantities, bidding market conditions, adverse construction conditions, unanticipated specialized investigation and studies, and other difficulties which cannot be foreseen at this time but may tend to increase final costs. Contingencies are built into each of the project budgets. Contingencies are used for the following purposes:

- Project Scope Unknowns: In planning, it is typical to plan a project around a major function without necessarily picking up minor issues in that same area. The contingency accounts for growth in the project scope to address minor issues in the vicinity of the main projects.
- Technical Unknowns: Planning analyses also do not develop sufficient detail to know if a project is technically feasible. More expensive alternatives must sometimes be adopted as the understanding of the project grows.
- Bid Unknowns: The bid results are dependent on construction market conditions that are often uncertain.
- Site Condition Unknowns: The contingency must also address the potential for unknowns in the actual site condition. This issue can deal with items such as the following:
  - Existing underground utilities not recorded on as-built drawings
  - Embedded conduit encountered in saw-cut of existing concrete slab
  - Inability to pull wire through conduit which has apparently been crushed.

Project scope and technical unknowns will typically be reduced as the project year draws nearer. Site unknowns may often be explored through techniques such as potholing. The risk of investigation must be weighed against the potential for significant construction impacts.

Engineering
The cost of engineering services for major projects typically includes special investigations, a pre-design report, surveying, geotechnical exploration, preparation of contract drawings and record drawings, permitting, bidding services, construction management, inspection, construction staking, and start-up services. Depending on the size and type of project, engineering costs may range from 18% to 25% of construction cost when all of the above services are provided. The lower percentage applies to large projects without complicated mechanical systems. The higher percentage applies to smaller projects or projects with complicated mechanical systems.

Additional engineering services may be required for specialized projects. This could include more extensive geotechnical exploration and evaluations, structural evaluations, and other specialized consulting activities.

Legal and Administrative
An allowance of 2.5 to 5% of construction cost has been added for legal and administrative services. This allowance is intended to include internal project planning and budgeting, grant administration, liaison, interest on interim loan financing, legal services, review fees, legal advertising, and other related expenses associated with the project.

Environmental Constraints, Geology and Wetlands
Further investigation will be required to identify environmental site constraints such as potential soil contamination, soil types, bedrock depths, depth to groundwater and delineated wetlands. A cursory review of published data regarding environmental constraints has provided the information necessary. Cost allowances are included within the estimates, but do not attempt to quantify or identify the extents of the environmental constraint but acts as a reserved cost based on the likelihood of encountering the constraint from published information, site reconnaissance, and engineering judgment. These costs were not included in most of the project estimates in this CIP.

Inflation
Cost estimates include an inflated cost of 3% per year from the date of the cost estimate.

Land Acquisition
Some projects may require the acquisition of additional right-of-way or property for construction of a specific improvement. The need and cost for such expenditures is difficult to predict and must be reviewed as a project is developed. These costs were not included within the cost estimates included in this Capital Improvement Plan.

VI. CAPITAL IMPROVEMENT PLAN

Department or Budget	Project #	Project	Project Description	2020	2021	2022	2023	2024 & Beyond
Streets	1	LED Lighting	➢ New LED lights along streets	$ 6,000.00	$ 6,000.00	$ 6,000.00	$ 6,000.00	$ 6,000.00
	8	Polk St. & N. Hayden St.	➢ Pulverize, new asphalt, and ditching on Polk Street and N. Hayden to south side of Railroad Tracks		$ 127,000.00			
	11	Cemetery Roads	➢ Pulverize & add gravel on roadways through the cemetery			$ 36,000.00		
	21	McBride St.	➢ Pulverize & Relay from Hayden St. to the northeast end of street					$ 59,000.00
Streets Total				**$ 6,000.00**	**$ 133,000.00**	**$ 42,000.00**	**$ 6,000.00**	**$ 65,000.00**

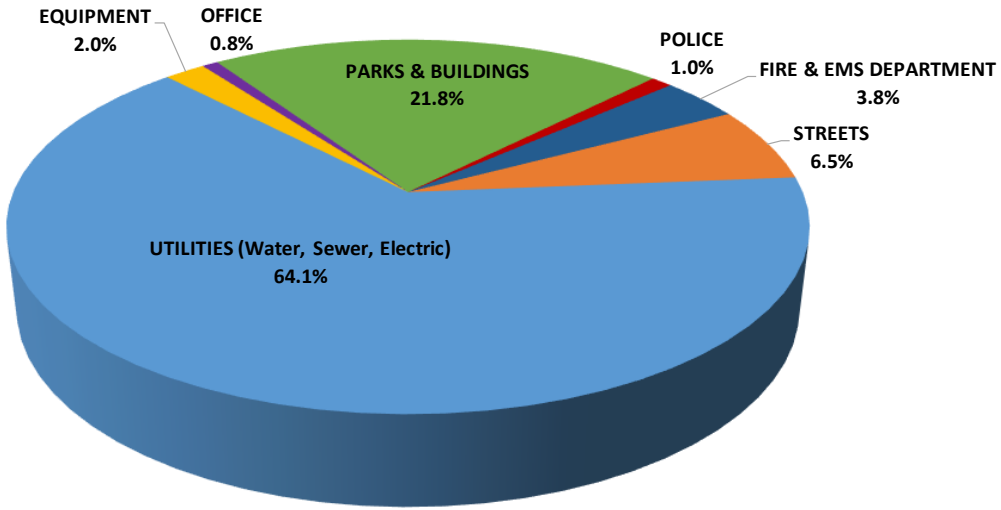
Department or Budget	Project #	Project	Project Description	2020	2021	2022	2023	2024 & Beyond
Utilities	2	Replace Water Meters & Electric Meters w/Remote Read	➢ Purchase and Replace 157 Water Meter units and 422 Electric Meter units with Remote Read systems. Replace over 4 years	$ 24,500.00	$ 24,500.00	$ 24,500.00	$ 24,500.00	
	3	Annual Fee for Remote Read Water Meters	➢ Annual Fee for the updated water meters	$ 975.00	$ 1,950.00	$ 2,925.00	$ 3,900.00	$ 4,875.00
	4	Grinder Pump Repair (Annual)	➢ Repair 5 grinder pumps per year	$ 2,100.00	$ 2,100.00	$ 2,100.00	$ 2,100.00	$ 2,100.00
	12	WWTF - Phosphorus Compliance	➢ Update WWTF sewer system to meet phosphorus compliance & consistently meet TSS limits, and purchase pontoon boat			$ 655,000.00		
	13	WWTF - Add Weir & Level Sensor	➢ Update the WWTF sewer system with new weir and level sensor			$ 30,500.00		

Utilities (continued)	14	Well Control/SCADA Update	➢	Update the water system at 2 wells			$ 49,000.00		
	15	Replace Well Level Transmitter	➢	Replace for 1 well			$ 8,500.00		
	16	Replace Well Meters w/Remote Read	➢	Replace meters in 2 wells with remote read systems			$ 23,000.00		
	19	Mill St.- Sewer RR Crossing	➢	Use bore & jack method to replace sanitary sewer under railroad tracks along Mill St.				$ 158,000.00	
	22	Bunting Lane W&S Extension	➢	Install water main and sanitary sewer along Pearl St. and Bunting Ln.					$ 1,379,000.00
	23	Olsher Dr.-Center St. Water Loop	➢	Connect existing water main on Olsher Dr. and Center St.					$ 78,000.00
Utilities Total					**$ 27,575.00**	**$ 28,550.00**	**$ 795,525.00**	**$ 188,500.00**	**$ 1,463,975.00**

Department or Budget	Project #	Project	Project Description	2020	2021	2022	2023	2024 & Beyond
Equipment	5	Desktop Computer	➢ Purchase new Desktop Computer	$ 2,000.00				
	17	New Dump Truck	➢ Replace large truck with F550 with dump box			$ 60,000.00		
	24	GIS Mapping	➢ New GIS Mapping for Village					$ 15,000.00
Equipment Total				**$ 2,000.00**	**$ -**	**$ 60,000.00**	**$ -**	**$ 15,000.00**
Department or Budget	**Project #**	**Project**	**Project Description**	**2020**	**2021**	**2022**	**2023**	**2024 & Beyond**
Office	9	Building Upgrades	➢ Windows, Door, and Lights		$ 10,000.00	$ 10,000.00	$ 10,000.00	
Office Total				**$ -**	**$ 10,000.00**	**$ 10,000.00**	**$ 10,000.00**	**$ -**
Department or Budget	**Project #**	**Project**	**Project Description**	**2020**	**2021**	**2022**	**2023**	**2024 & Beyond**
Parks & Buildings	10	Park Pillars Repair	➢ Repair pillars		$ 2,500.00			
	25	New Village Hall, Fire Station, & Community Meeting Room	➢ Construct new Village facilities					$ 750,000.00
	26	Park Facilities	➢ Construct bathroom facilities					$ 100,000.00
Parks & Buildings Total				**$ -**	**$ 2,500.00**	**$ -**	**$ -**	**$ 850,000.00**

Department or Budget	Project #	Project	Project Description	2020	2021	2022	2023	2024 & Beyond
Police	20	New Squad Car	➢ Purchase New Squad Car				$ 40,000.00	
Police Total				**$ -**	**$ -**	**$ -**	**$ 40,000.00**	**$ -**
Department or Budget	**Project #**	**Project**	**Project Description**	**2020**	**2021**	**2022**	**2023**	**2024 & Beyond**
Fire & EMS Department	6	Fire Dept. SCB Units	➢ Purchase 8 Masks	$ 88,000.00				
	7	Fire Dept. Gear Washer	➢ Purchase New gear washer	$ 5,000.00				
	18	EMR Emergency Response Ambulance	➢ Purchase new Village Ambulance			$ 55,000.00		
Fire & EMS Department Total				**$ 93,000.00**	**$ -**	**$ 55,000.00**	**$ -**	**$ -**

BUDGET SUMMARY					
Department or Budget	**2020**	**2021**	**2022**	**2023**	**2024 & Beyond**
Streets	$ 6,000.00	$ 133,000.00	$ 42,000.00	$ 6,000.00	$ 65,000.00
Utilities	$ 27,575.00	$ 28,550.00	$ 795,525.00	$ 188,500.00	$ 1,463,975.00
Equipment	$ 2,000.00	$ -	$ 60,000.00	$ -	$ 15,000.00
Office	$ -	$ 10,000.00	$ 10,000.00	$ 10,000.00	$ -
Parks & Buildings	$ -	$ 2,500.00	$ -	$ -	$ 850,000.00
Police	$ -	$ -	$ -	$ 40,000.00	$ -
Fire & EMS Department	$ 93,000.00	$ -	$ 55,000.00	$ -	$ -
CIP TOTAL	**$ 128,575.00**	**$ 174,050.00**	**$ 962,525.00**	**$ 244,500.00**	**$ 2,393,975.00**



VII. PROJECT FUNDING SUMMARY

Department or Budget	Project #	Project		Project Description	CDBG-PF Grant	CDBG-PFED	EDA Grant	Clean Water Fund/Safe Drinking Water Loan	Revenue Bond	Rural Development Grant/Loan	State Trust Fund or G.O. Loan	TID Funding	Special Assessment	WisDOT Highway Project Funding (MSIP)	LRIP Grant	WisDOT TEA	Local or Club Donations	WisDNR Stewardship Grant	TAP Grant	WEDC Funds	WisDOT MLS	Wheel Tax	FOE Rebate
Streets	1	LED Lighting	➢	New LED lights along streets	•					•	•	•											•
	8	Polk St. & N. Hayden St.	➢	Pulverize, new asphalt, and ditching on Polk Street and N. Hayden to south side of Railroad Tracks	•						•		•		•							•	
	11	Cemetery Roads	➢	Pulverize & add gravel on roadways through the cemetery							•	•	•				•						
	21	McBride St.	➢	Pulverize & Relay from Hayden St. to the northeast end of street	•					•	•		•		•							•	

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Utilities	2	Replace Water Meters & Electric Meters w/Remote Read	➢	Purchase and Replace 157 Water Meter units and 422 Electric Meter units with Remote Read systems. Replace over 4 years	•			•	•	•	•	•											
	3	Annual Fee for Remote Read Water Meters	➢	Annual Fee for the updated water meters																			
	4	Grinder Pump Repair (Annual)	➢	Repair 5 grinder pumps per year																			
	12	WWTF - Phosphorus Compliance	➢	Update WWTF sewer system to meet phosphorus compliance & consistently meet TSS limits, and purchase pontoon boat	•			•	•	•	•	•											
	13	WWTF - Add Weir & Level Sensor	➢	Update the WWTF sewer system with new weir and level sensor	•			•	•	•	•	•											

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Utilities (continued)	14	Well Control/SCADA Update	➢	Update the water system at 2 wells	•			•	•	•	•	•											
	15	Replace Well Level Transmitter	➢	Replace for 1 well	•			•	•	•	•	•											
	16	Replace Well Meters w/Remote Read	➢	Replace meters in 2 wells with remote read systems	•			•	•	•	•	•											
	19	Mill St.- Sewer RR Crossing	➢	Use bore & jack method to replace sanitary sewer under railroad tracks along Mill St.	•			•	•	•	•	•											
	22	Bunting Lane W&S Extension	➢	Install water main and sanitary sewer along Pearl St. and Bunting Ln.	•			•	•	•	•												
	23	Olsher Dr.-Center St. Water Loop	➢	Connect existing water main on Olsher Dr. and Center St.	•			•	•	•	•												

Department or Budget	Project #	Project		Project Description	CDBG-PF Grant	CDBG-PFED	EDA Grant	Clean Water Fund/Safe Drinking Water Loan	Revenue Bond	Rural Development Grant/Loan	State Trust Fund or G.O. Loan	TID Funding	Special Assessment	WisDOT Highway Project Funding (MSIP)	LRIP Grant	WisDOT TEA	Local or Club Donations	WisDNR Stewardship Grant	TAP Grant	WEDC Funds	WisDOT MLS	Wheel Tax	FOE Rebate
Equipment	5	Desktop Computer	➢	Purchase new Desktop Computer					•		•						•						
	17	New Dump Truck	➢	Replace large truck with F550 with dump box							•												
	24	GIS Mapping	➢	New GIS Mapping for Village	.				.	•	•	•											
Office	9	Building Upgrades	➢	Windows, Door, and Lights							•						•						
Parks & Buildings	10	Park Pillars Repair	➢	Repair pillars							•						•						
	25	New Village Hall, Fire Station, & Community Meeting Room	➢	Construct new Village facilities	.						•						•						
	26	Park Facilities	➢	Construct bathroom facilities							•						•	•					

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Police	20	New Squad Car	➢	Purchase New Squad Car							•						•						
Fire & EMS Department	6	Fire Dept. SCB Units	➢	Purchase 8 Masks							•						•						
	7	Fire Dept. Gear Washer	➢	Purchase New gear washer							•						•						
	18	EMR Emergency Response Ambulance	➢	Purchase new Village Ambulance							•						•						

VIII. MUNICIPAL FUNDING OPTIONS FOR LOCAL GOVERNMENT

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Bike/Pedestrian			
Transportation Alternatives Program (TAP) • New multi-modal program that incorporates former Bicycle & Pedestrian Facilities Program (BPFP), Safe Routes to School (SRTS), and Transportation Enhancement (TE) grant programs. Eligible categories include: • Construction, planning and design of on-road and off-road trail facilities for non-motorized transportation (pedestrians and bicyclists) • Construction, planning and design of infrastructure-related projects/systems that will provide safe routes for non-drivers • Conversion and use of abandoned railroad corridors for non-motorized transportation (pedestrians and bicyclists) • Construction of turnouts, overlooks and viewing areas • Community improvement activities related transportation such as to outdoor advertising, historic preservation, vegetation management and archaeological activities • Environmental mitigation activities • Recreational trails programs • Safe Routes to Schools programs to create safer walking and biking routes for children ages K-8 • Planning, designing or constructing boulevards or other roadways largely in the right-of-way of former interstate routes or other divided highways.	Reimbursement program; 20% local match required. Infrastructure projects must be $300,000 or greater; non-infrastructure projects must be $50,000 or greater.	Applications available in October, due end of January of even-numbered years; next cycle of applications available in 2017	WDOT
Stewardship Program *(See Parks/Recreation/Forestry)*			
Brownfields/Redevelopment			
Brownfields Site Assessment Grant (SAG) Funds Phase I and II Environmental Site Assessments (ESA), site investigations, demolition, asbestos removal associated with demolition, removal of abandoned containers, and removal of underground storage tanks (USTs).	Requires at least 20% local match (50% needed for project to be considered competitive).	Continuous	WEDC
Brownfields Grant Program • Formerly Blight Elimination and Brownfield Redevelopment (BEBR) program. • Funds brownfield redevelopment or associated environmental remediation activities on sites with demonstrated soil and/or groundwater contamination following completion of Phase I and Phase II Environmental Reports of an abandoned, idle or underused industrial or commercial facility or site.	Usually requires 70% match.	Continuous	WEDC
Federal Brownfield Assessment Grants • Funds inventorying and assessment of brownfield areas for contamination from petroleum and hazardous substances.	Awards vary; no match required.	Usually mid-November	EPA

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Federal Brownfield Site Cleanup Grants • Funds cleanup of specific brownfield properties with contamination from petroleum and hazardous substances.	Maximum award of $200,000; 20% match required.	Usually mid-November	EPA
Federal Brownfields Revolving Loan Fund Grants • Funding for local governments to establish a loan and sub-grant program for cleanup of petroleum and hazardous substances.	Up to $1 million award; 20% match required	Usually mid-November	EPA
Ready for Reuse Loan and Grant Program • Funds environmental cleanup of hazardous substances or petroleum at owner's brownfields sites.	0% interest loans for projects greater than $250,000 and grants up to $200,000; requires 22% match.	Continuous	DNR
Public/Community Facilities			
Community Development Block Grant – Public Facilities (CDBG-PF) • Funds municipal infrastructure reconstruction and/or replacement. Water treatment and supply, waste water collection and treatment, storm water collection, community centers, libraries, fire stations, and other facilities are eligible. Program aimed to assist communities and neighborhoods with a higher percentage of low- to moderate-income households.	Maximum award $500,000; 50% match required.	Annually in late spring (usually May)	DOA
Community Facilities Direct Loans & Grants • Funds essential community facilities in rural areas, such as municipal buildings, day care centers, and health and safety facilities. Cities and Villages must have fewer than 20,000 residents, based on the 2010 census. Priority given to small, low-income communities. Loan guarantees also available to private lenders that extend commercial credit to eligible communities.	Low interest loans and possibility for grant assistance, based on project cost.	Continuous	USDA Rural Development
Water & Waste Disposal Loans & Grants • Funds community clean and reliable drinking water, sewer, storm sewer, and solid waste systems serving rural areas with fewer than 10,000 people.	Low interest loans and possibility for grant assistance, if necessary to keep user costs reasonable.	Continuous	USDA Rural Development
Emergency Community Water Assistance Grants • Funds the preparation for, or recovery from, an emergency such as drought, flood, tornado, disease outbreak or chemical spill, that threatens the availability of safe, reliable drinking water for households and businesses. Eligible communities are low-income rural areas and towns with less than 10,000 residents.	Maximum $150,000 for water transmission line grants; maximum $500,000 for water source grants. No match required.	Continuous	USDA Rural Development

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Special Evaluation Assistance for Rural Communities and Households in Wisconsin (SEARCH) • Funds predevelopment planning costs for feasibility studies, design assistance and technical assistance on proposed water and waste disposal projects for small, financially distressed rural communities. Eligible communities are rural areas with populations less than 2,500 and a median household income below 80% of statewide non-metropolitan median household income.	Maximum award $30,000; minimal match requested	Continuous	USDA Rural Development
Safe Drinking Water Loan Program (SDWLP) • Provides loans to public water systems to build, upgrade, or replace water supply infrastructure to protect public health and address federal and state safe drinking water requirements. • Principal forgiveness available under special circumstances.	Low interest rates loans, rates dependent on population and median household income.	Notice of Intent to Apply due October 31; application due June 30.	DNR
Clean Water Fund Program (CWFP) • Provides loans to municipalities for wastewater treatment and urban storm water projects such as compliance maintenance projects for existing wastewater treatment and collection projects, new facilities, the correction of water quality and human health problems in unsewered areas, and storm water treatment. • Combination grant/loan available under "Hardship Assistance Program" for municipalities with low income and high user costs. • Principal forgiveness available under special circumstances. • Interest rate subsidy on State Trust Fund loans available for wastewater and stormwater projects less than $2 million under the Small Loans Program.	Low interest loans; maximum grant awards 70% for Hardship Assistance projects.	Notice of Intent to Apply due October 31. Continuous application unless Hardship Assistance project (due June 30) or requesting principal forgiveness (September 30).	DNR
Community Development Block Grant – Emergency Program (CDBG-EAP) Emergency response program to help restore or replace critical infrastructure damaged or destroyed as a result of a natural or man-made catastrophe.	Maximum grant $500,000, dependent on need and fund availability	Apply within 90 days of the disaster.	DOA
State Trust Fund Loan Program (*See General Loan Program****)***			
Community Development Block Grant – Public Facilities Economic Development (CDBG-PFED) *(see Economic Development)*			
Economic Development			
Community Development Block Grant-Public Facilities for Economic Development (CDBG-PFED) • Funds public infrastructure projects that support business expansion or retention, such as new or improved water and sewer service and streets that result in business expansion. Program aimed to increase job opportunities; at least 51% of hires must be low- to moderate- income individuals.	50% match required. Maximum grant $500,000; up to $35,000 per job created.	Continuous	DOA

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Community Development Block Grant – Economic Development (CDBG – ED) • Funds awarded to a municipality, which in turn loans funds to a business to support job creation with purchase of equipment or providing working capital. Assisted businesses must match 50% of funds and at least 51% of hires must be low- to moderate- income individuals.	Loans up to $1 million per project; maximum award $35,000 per job created.	Continuous	DOA
Capacity Building Grants • Funds economic development competitive assessments, the development of a comprehensive economic development strategy and other economic development initiatives.	Maximum award $50,000	Continuous	WEDC
Community Development Investment Grant • Funds planning and implementation efforts for development projects.	Maximum award $50,000 for planning and $500,000 for implementation	Continuous	WEDC
Idle Industrial Site Redevelopment Program • Funds implementation of redevelopment plans for large commercial or industrial sites that have been idle, abandoned or underutilized for at least 5 years.	Maximum award of $500,000 for industrial properties between 5 and 10 acres; maximum award of $1 million for industrial or commercial properties greater than 10 acres	Annually around mid-December	WEDC
Rural Business Development Grants • Consolidated Rural Business Enterprise Grant (RBEG) and Rural Business Opportunity Grant (RBOG) • Enterprise grant funds to finance and develop small and emerging private businesses with less than $1 million in revenues, and which will have fewer than 50 employees. Funds can be used for technical assistance, revolving loan program, incubator/industrial buildings, and industrial park improvements • Opportunity grant funds for community economic development, planning and training.	Awards generally range from $10,000 to $500,000; no match required	End of March	USDA Rural Development

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Economic Development Administration (EDA) Grants ***Public Works and Economic Development Facilities*** • Funds construction or rehabilitation of essential public infrastructure and facilities necessary to generate or retain private sector jobs and investments, attract private sector capital, and promote regional competitiveness, innovation and entrepreneurship. ***Economic Adjustment Assistance Program*** • Funds to address the needs of distressed communities experiencing adverse economic changes that may occur suddenly over time, and generally result from industrial or corporate restructuring, new Federal laws or requirements, reduction in defense expenditures, depletion of natural resources, or natural disaster. ***Technical Assistance*** • Funds three technical assistance programs, including a local program for regions with severe unemployment and low per capita income. Technical assistance is used to provide information, data, resources and toolkits practitioners and policymakers can use when evaluating, shaping and implementing specific projects and programs in economically distressed regions. ***Partnership Planning*** • Funds planning activities to develop strategies that inform future economic development actions in order to stimulate and guide the creation and/or retention of higher-skill, higher-wage jobs, particularly for unemployed and underemployed in economically distressed regions.	Dependent on project and local census data	Continuous	EDA
Broadband Expansion Grants • Reimburses cost of equipment and construction expenses incurred to extend or improve broadband telecommunications service in underserved areas of the state. Local governments must work with a qualified organization or telecommunications utility to be eligible.	$1,500,000; no match required, but projects with local match are given greater priority.	September 30	PSC
Economic Development Tax Credit • Awards of tax credits to eligible business projects to be claimed for job creation or retention, capital investment, employee training and corporate headquarters retention or location projects.	Tax credit; not direct funding	Continuous	WEDC
Historic Preservation Tax Credit • Provides state income tax credit to owners of eligible historic buildings for qualified rehabilitation expenditures.	Tax credit up to 20% of qualified expenditures; not direct funding	Continuous	WEDC
• ***Transportation Economic Assistance Program (TEA) Grant (****see Transportation****)***			
Fire/ Emergency Response/Homeland Security			

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Forest Fire Protection (FFP) Grants • Funds for fire departments to expand use of local fire departments to augment and strengthen overall initial-attack fire suppression capabilities on forest fires.	50% project reimbursement. $1,500 minimum, $10,000 maximum grant award.	July 1	DNR
Assistance to Firefighters Grant (AFG) • Funds for fire departments to help meet the firefighting and emergency response needs, such as obtaining critically needed equipment, protective gear, emergency vehicles, training and other resourced needed to protect the public and emergency personnel from fire and related hazards. Waivers for economic hardship available.	Maintenance of Effort and local match required; amount of match based on number of residents.	Mid-January	FEMA
Staffing for Adequate Fire & Emergency Response (SAFER) • Funds awarded directly to fire departments and volunteer firefighter interest organizations in order to help them increase the number of trained, "front-line" firefighters available in their communities.	No local match requirement.	March	FEMA
Fire Prevention & Safety Grants (FP&S) • Funds fire prevention activities and to research and develop improvements to firefighter safety. Grants are designed to reach high-risk target groups and mitigate incidences of deaths and injuries caused by fire and related hazards • Waivers for economic hardship available.	Maintenance of Effort and 5% local match required, subject to economic hardship waiver	April	FEMA
General Loan Program			
State Trust Funds Loan Program • School Districts and municipalities may borrow money from the State Trust Fund Loan Program for a wide variety of purposes including buildings, roads, water and sewer facilities, equipment, recreational facilities, industrial development, or other public purposes.	Low interest loans with varying rates based on term and type	Continuous	BCPL
Housing			
Community Development Block Grant – Small Cities Housing Program • Funds local government housing program which primarily benefit low- and moderate-income (LMI) households, including rehabilitation of housing units, homebuyer assistance and small neighborhood public facility projects. Local governments may use repaid CDBG housing loans to establish a local revolving loan fund for the same housing activities.	Based on scope of project.	Annual grant	DOA
Lakes and Rivers			
Aquatic Invasive Species Prevention and Control Grants • Funds aquatic invasive species education programs and control projects for any waters of the state including lakes, rivers, streams, and the Great Lakes under 5 subprograms: a) education, prevention and planning; b) early detection and response; c) established population control; d) maintenance and containment; and e) research and demonstration. Part of new Surface Water Grants program.	25% local match required; maximum grant varies by subprogram	December 10, February 1, or Continuous, depending on subprogram	DNR

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Lake Management Planning Grant • **Small-scale projects** are intended to address the planning needs of lakes where education, enhancing lake organizational capacity, and obtaining information on specific lake conditions are the primary project objectives. • **Large-scale projects** are intended to address the needs of larger lakes and lakes with complex and technical planning challenges, the result of which will be a lake management plan. Part of new Surface Water Grants program.	33% local match required. Small-scale grant maximum $3,000 Large-scale maximum is $25,000.	December 10	DNR
Lake Protection Grants • Funds implementation of lake protection and restoration projects that protect or improve water quality, habitat, or the elements of lake ecosystems under 4 subprograms: a) land acquisition; b) wetland and shoreline habitat restoration; c) lake classification and local ordinance development; and d) lake plan implementation. Part of new Surface Water Grants program.	25% local match required; maximum grant varies by subprogram	February 1	DNR
Lake Classification Grants and Local Ordinance Development Grants • Funds lake studies to assign management classifications to guide regulatory and management strategy plans and the development of local regulations to protect or improve lake water quality or ecosystem. Part of new Surface Water Grants program.	25% local match required.	December 10	DNR
River Planning and Protection Management Grants • Designed to protect rivers, water quality, fisheries habitat, and natural beauty from deteriorating as the number of homes and recreational, industrial, and other uses increases along rivers under three subprograms: a) river planning; b) river management; and c) land/easement acquisition. Part of new Surface Water Grants program.	25% local match; maximum grant varies by subprogram	River planning December 10; remaining subprograms February 1	DNR
Costal Management Grants • Funds restoration, preservation, protection and enhancement of areas in costal zones, including counties adjacent to Lakes Superior and Michigan.	50% match for projects $60,000 or less; 60% match for projects greater than $60,000	Early November	DOA
Parks and Recreation			
Recreational Trails Program Grant • Eligible projects include: maintenance and restoration of existing trails, development and rehabilitation of trailside and trailhead facilities and trail linkages, construction of new trails, and acquisition of easement or property for trails. • May only be used on trails which have been identified in or which further a specific goal of a local, county or state trail plan included or reference in a statewide comprehensive outdoor recreation plan required by the federal LWCF Program.	50% match required; reimbursed on costs incurred *after* project approval.	May 1	DNR

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Snowmobile Trail Aids • Funds for county snowmobile bridge rehabilitation, trail rehabilitation, maintenance and development**.**	Match based on project type; reimbursed on costs incurred *after* project approval.	April 15 August 1	DNR
All Terrain Vehicle (ATV) Trail Aids • Provide funds to acquire, insure, develop and maintain ATV trails, areas, and routes: 1) maintenance of existing approved trails, areas, and routes 2) purchase of liability insurance 3) acquisition of easements 4) major rehabilitation of bridge structures or trails • 5) acquisition of land in fee and development of new trails and areas.	Up to 100% funded, depending on project type	April 15	DNR
Utility Terrain Vehicle (UTV) Trail Aids • Funds maintenance of trails, minor development, gates and signage. Companion to the ATV Trail Aids program.	Maximum $100/mile for ATV trails that allow UTV under specific conditions, based on available funding	April 15	DNR
Recreational Boating Facilities Grant • Funds construction of capital improvements to provide safe recreational boating facilities and for feasibility studies related to the development of safe recreational facilities. Also includes purchase of navigation aids, dredging of channels of waterways, and chemically treating Eurasian water milfoil.	50% match required	Established quarterly	DNR
Sports Fish Restoration (SFR) • Funds construction of fishing piers and motorboat access projects, including boat ramp construction and renovation and related amenities such as parking lots, accessible paths, lighting, and restroom facilities.	Dependent upon project and available funds	February 1	DNR
Boating Infrastructure Grant (BIG) • Funds construction, renovation and maintenance of boating infrastructure facilities for transient recreational vessels at least 26 feet long.	25% match; Award dependent upon project and available funds	End of August	DNR

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Knowles-Nelson Stewardship Program Funds acquisition of land and easements for conservation and recreation purposes, development and improvement recreational facilities, and restoration of wildlife habitat. This is an umbrella program that funds the following grants: ***Aids for the Acquisition and Development of Local Parks (ADLP)*** • Purchase land or easements and develop or renovate local park and recreation area facilities for nature-based outdoor recreation purposed (e.g., trails, fishing access, and park support facilities). ***Urban Green Space (UGS)*** • Purchase land or easements in urban or urbanizing area to preserve the scenic and ecological values of natural open spaces for nature-based outdoor recreation, including non-commercial gardening. ***Urban Rivers (UR)*** • Purchase land on or adjacent to river flowing through urban or urbanizing areas to preserve or restore the scenic and environmental values of riverways for nature-based outdoor recreation. ***Acquisition of Development Rights Grants (ADR)*** • Purchase development rights (easements) for the protection of natural, agricultural, or forestry values, that would enhance nature-based outdoor recreation.	50% match required	May 1	DNR
Urban Forestry • Funds community urban forestry programs. Three grant types include: 1) regular grants to support new, innovative projects that develop sustainable urban forestry programs; 2) startup grants to communities to start or restart an urban forestry program; and 3) catastrophic storm grants for tree repair, removal or replacement within urban areas following a storm for which the Governor has declared a State of Emergency.	50% local match required; reimbursable grants range from $1,000 to $25,000, depending on grant type.	October 1	DNR
Urban Wildlife Damage and Abatement Control Grant (UWDAC) • Funds development of wildlife plans, implementation of specific wildlife damage and/or control measures for white-tailed deer and Canada geese. Only eligible urban areas may apply.	50% match required; $5,000 maximum grant award	December 1	DNR
Transportation			
Local Bridge Improvement Assistance Program • Funds rehabilitation and replacement of the most seriously deficient local bridges on locally owned public roadways. Counties review and prioritize eligible bridge projects within the county.	20% match required; funds allocated by formula to each county	Spring of odd-numbered years	WDOT

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
State Infrastructure Bank Program (SIB) • Provides range of loans and credit options, including low interest loans, to help communities finance eligible surface transportation projects preserve, promote and encourage economic development or to improve transportation efficiency and mobility. Eligible Projects Include: • Improve an interchange for a new industrial park or commercial development; enhance a road leading up to a contaminated (brownfields) property; provide for better access to facilitate increased auto or truck traffic near commercial or industrial sites; repair or reconstruct a bridge linking downtown businesses with a major state highway(s); provide signal lights, turn lanes and pedestrian walkways a busy highway intersection; construct or widen a road linking an intermodal facility, (i.e. airport, harbor, railroad); widen a highway to improve safety and truck movements for a warehousing/distribution center; and construct parking facilities; bicycle lanes and pedestrian walk-ways to better facilitate customer traffic on or near retail centers and tourist attractions.	2% interest rate loans for terms up to 25 years	Continuous	WDOT

Local Roads Improvement Program (LRIP) Grant
• Funds seriously deteriorating county highways, town road, and city and village streets: County Highway Improvement (CHIP); Town Road Improvement (TRIP); and Municipal Street Improvement (MSIP). Three additional discretionary programs (CHIP-D, TRIP-D and MSIP-D) allow municipalities to apply for additional funds for high-cost road projects.
• Eligible projects include but are not limited to:
  • Design or Feasibility Studies
  • Reconstruction
  • Resurfacing
  • Bridge Replacement or Rehabilitation
  • Asphalt purchasing
	Distributed by LRIP Committee; Reimbursement program requiring 50% local match.	November 1 of odd-numbered years.	WDOT

Transportation Economic Assistance Program (TEA) Grant • Road, rail, harbor and airport projects that attract employers to Wisconsin or encourage business and industry to remain and expand in the state.	Maximum award $1,000,000; 50% match required.	Continuous	WDOT
Wheel tax • Wisconsin law allows a town, village, city or county to collect an annual municipal or county vehicle registration fee (wheel tax) in addition to the regular annual registration fee paid for a vehicle. The fee applies to vehicles kept in the municipality or county. There is no cap of the fee, however WDOT keeps $0.10 per plate as an administration charge. Funds collected must be used for transportation related purposes.	Determined by number of eligible vehicles within the governing limits and per plate charge.	Determined by taxing agency, continuous or sunset.	WDOT
Disaster Damage Aids and Emergency Relief • Funds repair of disaster damage from a severe storm, flood, tornado, mudslide, or other natural event to certain public highways (not a State Trunk or Connecting Highway system) and federal aid highways. Certain criteria must be met to be eligible.	Match ranges from 0% to 50%, based on costs and type.	Within 60 days of disaster event; 180 days for federal highways	WDOT

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Planning			
Community Development Block Grant – Planning (CDBG – PLNG) • Funds plans that address major local economic or community development proposes or unexpected economic activities that adversely impact the community.	Maximum grant $25,000 for community-wide plans and up to $15,000 for site-specific plans; 50% match required.	Annually in late spring (usually May)	DOA
Wisconsin Land Information Grants • Funds county land information program activities in three areas: 1) Training & Education Grants for training and education of county employees for the design, development and implementation of land information system ($1,000 max); 2) Strategic Initiative Grants to create a statewide digital parcel map and post parcel information online (max $50,000); 3) Base Budget Grants to develop, maintain and operate a basic land information system and implement land information plan (only certain counties are eligible).	Maximum award based on grant type	December 31	DOA
Special Evaluation Assistance for Rural Communities and Households in Wisconsin (SEARCH) (*See Public/Community Facilities****)***			
Water			
Municipal Flood Control Grant • **Local Assistance Grants** that support municipal flood control administrative activities. • **Acquisition and Development Grants** to acquire and remove floodplain structures, elevate floodplain structures, restore riparian areas, acquire land and easements for flood storage, construct flood control structures, and fund flood mapping projects.	50% match required	Every two years in March	DNR
Municipal Dam Grant Program • Funds eligible engineering and construction costs for dam maintenance, repair, modification or abandonment and removal.	Maximum $400,000; required match 0%, 50% or 75%, based on project type and cost	Mid-January	DNR
Dam Removal Grant Program • Funds dam removal costs, including labor, materials and equipment. May not receive a grant from both the Municipal Dam program and the Dam Removal program for removal of the same dam	Reimbursement program; maximum award $50,000 and no local match required.	Continuous	DNR
Well Compensation and Abandonment Grants • Provides financial assistance to replace, reconstruct or treat contaminated private water supplies, or properly abandon unused private wells	Only eligible for private land owners Funding dependent on income	Continuous	DNR

Funding Programs By Category	Maximum Award	Application Due Date	Granting Agency
Local Water Quality Management Planning Aids Grant • Funds to assist in the development and implementation of area-wide water quality management planning activities. • Eligible projects include local and regional water resource management and watershed planning activities; sewer service area plans and amendments; regional wastewater facility planning initiatives; and, identification and protection of water quality sensitive areas known as environmental corridors.	Determined on project basis	Continual	DNR
Target Runoff Management Grants • Funds activities for controlling nonpoint source (NPS) for agriculture or urban runoff management practices in targeted, critical geographic areas with surface water or groundwater quality concerns.	30% local match required Maximum award depends on project size; small-scale project grants $150,000	April 15	DNR
Urban Nonpoint Source & Stormwater Grants (UNPS&SW) • Funds for planning or construction projects to control polluted runoff in urban project areas. Eligible projects must have a population density of at least 1,000 people per square mile, or non-permitted commercial land use, or is a municipally-owned industrial land use. Areas that are expected to become urban within 20 years are also eligible	70% match required for planning and 50% match required for construction; maximum grants $85,000 for planning and $150,000 for construction	April 15	DNR
Clean Water Fund Program (CWFP) (*See Public/Community Facilities****)***			
Safe Drinking Water Loan Program (SDWLP) (*See Public/Community Facilities****)***			
Recycling			
Recycling Grants to Responsible Units • Funds residential and 2-4 unit household recycling and yard waste program costs (net of sale of recovered materials). Must have a DNR-approved Effective Recycling Program to qualify.	Depends on available funding	October 1	DNR
Recycling Consolidation Grants to Responsible Units • Provides supplemental funding to the basic recycling grant program for residential and 2-4 unit household recycling and yard waste program costs. Must have a DNR-approved Effective Recycling Program and meet certain criteria.	Depends on available funding	October 1	DNR
Agriculture			
Notice of Intent/Discharge Cost-Share Grants • Funds to governmental units working with livestock operation owners or operators with pollution discharge concerns resulting in the issuance of a Notice of Discharge (NOD) or a Notice of Intent to Issue a Notice of Discharge (NOI) from DNR.	Varies based on project	Continuous; applications reviewed in mid-April, mid-June and mid-August	DNR & DATCP
Updated 12/9/15			

APPENDIX A: INDIVIDUAL PROJECT ESTIMATES

- **8.** Polk Street (N. East St. to N. Hayden St.) and N. Hayden Street (Polk St. to RR Tracks)
- **11.** Cemetery Roads
- **19.** Mill St.- Sewer Replacement Below Railroad
- **21.** McBride Street (N. Hayden St. to northeast end of street)
- **22.** Bunting Lane- Water & Sewer Extension
- **23.** Olsher Dr.- Center St. Water Main Loop

Village of Merrillan

8. Polk Street & N. Hayden Street

Project Estimate 4/21/20

Scope of Work: A full reconstruction of Polk Street from N. East Street to N. Hayden Street and N. Hayden Street from Polk to south side of Railroad Tracks. Pulverize and add new asphalt. The intersection of Polk Street and N. East Street will be reconstructed. No Utilities will be replaced. Streets have a rural section and ditch work will be needed.

Assumptions: No rock excavation anticipated. No dewatering is anticipated. No wetlands will be affected in this project. Anticipated construction in 2021.

Reconstruction Length	**600**	
Construction Width EOP to EOP	**22**	
Reconstruction Width Back of Curb to Back of Curb	**22**	No C&G
Shoulder Width	**0**	
Water Services	**0**	
Sewer Services	**0**	
Driveways	**5**	
ROW Width	**66**	Assumbed

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 6,500.00	$ 6,500.00
2.	Traffic Control	1	LS	$ 800.00	$ 800.00
3.	Erosion Control	1	LS	$ 600.00	$ 600.00
4.	Site Restoration	1	LS	$ 8,000.00	$ 8,000.00
5.	Dewatering	0	LS	$ 500.00	$ -
6.	Imported Granular Backfill	0	CY	$ 12.00	$ -
7.	Concrete Quality Control	0	LS	$ 2,000.00	$ -
	Watermain				
8.	Connect to Existing Water Main	0	EA	$ 1,500.00	$ -
9.	6-Inch PVC Water Main	0	LF	$ 50.00	$ -
10.	8-Inch PVC Water Main	0	LF	$ 55.00	$ -
11.	8-Inch Valve and Box	0	EA	$ 2,000.00	$ -
12.	8 x 6-Inch Reducer	0	EA	$ 500.00	$ -
13.	Hydrant Complete	0	EA	$ 4,000.00	$ -
14.	1-Inch Corp, Tap, Curb Stop & Box	0	EA	$ 500.00	$ -
15.	1-Inch Copper Water Service	0	LF	$ 40.00	$ -
	Sanitary Sewer				
16.	Connect to Existing Sanitary Sewer	0	EA	$ 1,000.00	$ -
17.	8-Inch PVC Sanitary Sewer	0	LF	$ 50.00	$ -
18.	Sanitary Manhole 4-Foot	0	EA	$ 3,000.00	$ -
19.	6-Inch x 8-Inch Sewer Wye	0	EA	$ 200.00	$ -
20.	6-Inch PVC Sanitary Lateral	0	LF	$ 40.00	$ -
	Storm Sewer				
21.	Connect to Existing Storm Sewer	0	EA	$ 500.00	$ -
22.	12-Inch HDPE Storm Sewer	0	LF	$ 35.00	$ -
23.	Storm Inlet 2x3, Complete	0	EA	$ 1,500.00	$ -
24.	Storm Manhole 4-Foot Diameter, Complete	0	EA	$ 2,500.00	$ -
25.	6-Inch Underdrain	0	LF	$ 8.00	$ -
	Street Construction				
26.	Excavation Common	600	LF	$ 25.00	$ 15,000.00
27.	Excavation Below Subgrade	50	CY	$ 20.00	$ 1,000.00
28.	Select Crushed Material (12-Inch Depth)	1,467	SY	$ 9.00	$ 13,200.00
29.	1 1/4 Inch Dense Graded Base (6-Inch Depth)	1,467	SY	$ 7.00	$ 10,266.67
30.	3-Inch Asphalt Pavement	1,467	SY	$ 15.00	$ 22,000.00
31.	Geotextile Fabric SAS	1,467	SY	$ 2.50	$ 3,666.67
32.	30-Inch Type D Curb and Gutter	0	LF	$ 20.00	$ -
33.	3-Inch Thick 3/4 Aggregate Base Dense - Shoulder	0	SY	$ 10.00	$ -
34.	Driveway Repair - 6-Inch Thick Concrete w/6-Inch Base	0	SY	$ 45.00	$ -
35.	Driveway Repair - 2-Inch Asphalt Driveway w/8-Inch Base	16	SY	$ 30.00	$ 466.67
36.	Driveway Repair - 8-Inch Thick 3/4 Aggregate Base Dense	42	SY	$ 10.00	$ 416.67
37.	4-Inch Thick Concrete Sidewalk w/6-Inch Base	0	SF	$ 4.50	$ -
38.	Detectable Warning Field	0	EA	$ 400.00	$ -
39.	Ditching	1200	LF	$ 5.00	$ 6,000.00
Subtotal Watermain, Storm Sewer, Street Construction					$ 72,016.67
General Bid Items					$ 15,900.00
Total Street Improvements					$ 87,916.67
CONTINGENCIES (15%)					$ 13,200.00
ENGINEERING (20%)					$ 20,300.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)					$ 2,200.00
ENVIRONMENTAL & GEOTECHNICAL INVESTIGATION ALLOWANCE					$ -
COST ESCALATION (Inflation 3% per annum)					$ 2,700.00
PROJECT TOTAL					**$ 127,000.00**

SUBTOTAL WATERMAIN IMPROVEMENTS	**$ -**
SUBTOTAL SANITARY SEWER IMPROVEMENTS	**$ -**
SUBTOTAL STORM SEWER	**$ -**
SUBTOTAL STREET CONSTRUCTION	**$ 127,000.00**
	$ 127,000.00

Village of Merrillan

11. Cemetery Roads

Project Estimate 4/21/20

Scope of Work: Pulverize and add gravel on roadways. No Utilities. Rural Cross-section.

Assumptions: No rock excavation anticipated. No dewatering is anticipated. No wetlands will be affected in this project. Anticipated construction in 2022.

Reconstruction Length	**1715**	
Construction Width EOP to EOP	**12**	
Reconstruction Width Back of Curb to Back of Curb	**12**	
Shoulder Width	**0**	
Water Services	**0**	
Sewer Services	**0**	
Driveways	**3**	3 entrances from highway 12
ROW Width	**12**	

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 1,900.00	$ 1,900.00
2.	Traffic Control	1	LS	$ 300.00	$ 300.00
3.	Erosion Control	1	LS	$ 200.00	$ 200.00
4.	Site Restoration	1	LS	$ 1,000.00	$ 1,000.00
5.	Dewatering	0	LS	$ 500.00	$ -
6.	Imported Granular Backfill	0	CY	$ 12.00	$ -
7.	Concrete Quality Control	0	LS	$ 2,000.00	$ -
	Watermain				
8.	Connect to Existing Water Main	0	EA	$ 1,500.00	$ -
9.	6-Inch PVC Water Main	0	LF	$ 50.00	$ -
10.	8-Inch PVC Water Main	0	LF	$ 55.00	$ -
11.	8-Inch Valve and Box	0	EA	$ 2,000.00	$ -
12.	8 x 6-Inch Reducer	0	EA	$ 500.00	$ -
13.	Hydrant Complete	0	EA	$ 4,000.00	$ -
14.	1-Inch Corp, Tap, Curb Stop & Box	0	EA	$ 500.00	$ -
15.	1-Inch Copper Water Service	0	LF	$ 40.00	$ -
	Sanitary Sewer				
16.	Connect to Existing Sanitary Sewer	0	EA	$ 1,000.00	$ -
17.	8-Inch PVC Sanitary Sewer	0	LF	$ 50.00	$ -
18.	Sanitary Manhole 4-Foot	0	EA	$ 3,000.00	$ -
19.	6-Inch x 8-Inch Sewer Wye	0	EA	$ 200.00	$ -
20.	6-Inch PVC Sanitary Lateral	0	LF	$ 40.00	$ -
	Storm Sewer				
21.	Connect to Existing Storm Sewer	0	EA	$ 500.00	$ -
22.	12-Inch HDPE Storm Sewer	0	LF	$ 35.00	$ -
23.	Storm Inlet 2x3, Complete	0	EA	$ 1,500.00	$ -
24.	Storm Manhole 4-Foot Diameter, Complete	0	EA	$ 2,500.00	$ -
25.	6-Inch Underdrain	0	LF	$ 8.00	$ -
	Street Construction				
26.	Excavation Common	0	LF	$ 25.00	$ -
27.	Excavation Below Subgrade	0	CY	$ 20.00	$ -
28.	Select Crushed Material (12-Inch Depth)	0	SY	$ 9.00	$ -
29.	1 1/4 Inch Dense Graded Base (6-Inch Depth)	2,287	SY	$ 7.00	$ 16,006.67
30.	2-Inch Asphalt Pavement	0	SY	$ 12.00	$ -
31.	Pulverize Existing Asphalt Pavement	2,287	SY	$ 2.00	$ 4,573.33
32.	Geotextile Fabric SAS	0	SY	$ 2.50	$ -
33.	30-Inch Type D Curb and Gutter	0	LF	$ 20.00	$ -
34.	3-Inch Thick 3/4 Aggregate Base Dense - Shoulder	0	SY	$ 10.00	$ -
35.	Driveway Repair - 6-Inch Thick Concrete w/6-Inch Base	0	SY	$ 45.00	$ -
36.	Driveway Repair - 3-Inch Asphalt Entrace w/8-Inch Base	0	SY	$ 75.00	$ -
37.	Driveway Repair - 8-Inch Thick 3/4 Aggregate Base Dense	0	SY	$ 10.00	$ -
38.	4-Inch Thick Concrete Sidewalk w/6-Inch Base	0	SF	$ 4.50	$ -
39.	Detectable Warning Field	0	EA	$ 400.00	$ -
Subtotal Watermain, Storm Sewer, Street Construction					$ 20,580.00
General Bid Items					$ 3,400.00
Total Street Improvements					$ 23,980.00
CONTINGENCIES (15%)					$ 3,600.00
ENGINEERING (20%)					$ 5,600.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)					$ 600.00
ENVIRONMENTAL & GEOTECHNICAL INVESTIGATION ALLOWANCE					$ -
COST ESCALATION (Inflation 3% per annum)					$ 1,500.00
PROJECT TOTAL					**$ 36,000.00**

SUBTOTAL WATERMAIN IMPROVEMENTS	**$ -**
SUBTOTAL SANITARY SEWER IMPROVEMENTS	**$ -**
SUBTOTAL STORM SEWER	**$ -**
SUBTOTAL STREET CONSTRUCTION	**$ 36,000.00**
	$ 36,000.00

Village of Merrillan

19. Mill St. - Sewer Replacement Below Railroad

Project Estimate 10/7/19

Scope of Work: Replace Sanitary Sewer along Mill St. under railroad tracks using the Bore & Jack method with a 24-Inch Casing Pipe. No existing sanitary sewer connections will be affected and no new connections will be installed.

Assumptions: No rock excavation anticipated. No wetlands will be affected in this project. Anticipated construction in 2023.

Sewer Services	**0**
ROW Width	**50**

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 8,300.00	$ 8,300.00
2.	Traffic Control	1	LS	$ 1,000.00	$ 1,000.00
3.	Erosion Control	1	LS	$ 700.00	$ 700.00
4.	Site Restoration	1	LS	$ 3,700.00	$ 3,700.00
	Sanitary Sewer				
5.	Connect to Existing Sanitary Sewer	2	EA	$ 1,000.00	$ 2,000.00
6.	Bore & Jack Method	100	LF	$ 600.00	$ 60,000.00
7.	10-Inch PVC Sanitary Sewer	100	LF	$ 55.00	$ 5,500.00
8.	Sanitary Manhole 4-Foot	2	EA	$ 3,000.00	$ 6,000.00
9.	Adjust Existing Sanitary Manhole	1	EA	$ 1,000.00	$ 1,000.00
10.	Obtain Permit for Construction	1	EA	$ 5,000.00	$ 5,000.00
	Street				
11.	Asphalt Street Restoration (Assume 3-inches Asphalt & 9" CABC)	300	SY	$ 35.00	$ 10,500.00
12.	Removals	300	SY	$ 5.00	$ 1,500.00

Sanitary Sewer Items	$ 79,500.00
Street Items	$ 12,000.00
General Bid Items	$ 13,700.00
Total Improvements	$ 105,200.00
CONTINGENCIES (15%)	$ 15,800.00
ENGINEERING (20%)	$ 24,200.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)	$ 2,700.00
COST ESCALATION (Inflation 3% per annum)	$ 9,500.00
PROJECT TOTAL	**$ 158,000.00**

Village of Merrillan
21. McBride Street
Project Estimate 10/7/19

Scope of Work: Pulverize and relay existing asphalt surface and overlay with 3" Asphalt pavement from N. Hayden St. to Northeast end of street. No utilities. Street has rural cross-section.

Assumptions: No rock excavation anticipated. No dewatering is anticipated. No wetlands will be affected in this project. Anticipated construction in 2024 or later.

Reconstruction Length	**925**	
Construction Width EOP to EOP	**16**	
Reconstruction Width Back of Curb to Back of Curb	**16**	
Shoulder Width	**0**	
Water Services	**0**	
Sewer Services	**0**	
Driveways	**5**	
ROW Width	**66**	Assumbed

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 3,000.00	$ 3,000.00
2.	Traffic Control	1	LS	$ 400.00	$ 400.00
3.	Erosion Control	1	LS	$ 300.00	$ 300.00
4.	Site Restoration	1	LS	$ 1,500.00	$ 1,500.00
5.	Dewatering		LS	$ 500.00	$ -
6.	Imported Granular Backfill	0	CY	$ 12.00	$ -
7.	Concrete Quality Control	0	LS	$ 2,000.00	$ -
	Watermain				
8.	Connect to Existing Water Main	0	EA	$ 1,500.00	$ -
9.	6-Inch PVC Water Main	0	LF	$ 50.00	$ -
10.	8-Inch PVC Water Main	0	LF	$ 55.00	$ -
11.	8-Inch Valve and Box	0	EA	$ 2,000.00	$ -
12.	8 x 6-Inch Reducer	0	EA	$ 500.00	$ -
13.	Hydrant Complete	0	EA	$ 4,000.00	$ -
14.	1-Inch Corp, Tap, Curb Stop & Box	0	EA	$ 500.00	$ -
15.	1-Inch Copper Water Service	0	LF	$ 40.00	$ -
	Sanitary Sewer				
16.	Connect to Existing Sanitary Sewer	0	EA	$ 1,000.00	$ -
17.	8-Inch PVC Sanitary Sewer	0	LF	$ 50.00	$ -
18.	Sanitary Manhole 4-Foot	0	EA	$ 3,000.00	$ -
19.	6-Inch x 8-Inch Sewer Wye	0	EA	$ 200.00	$ -
20.	6-Inch PVC Sanitary Lateral	0	LF	$ 40.00	$ -
	Storm Sewer				
21.	Connect to Existing Storm Sewer	0	EA	$ 500.00	$ -
22.	12-Inch HDPE Storm Sewer	0	LF	$ 35.00	$ -
23.	Storm Inlet 2x3, Complete	0	EA	$ 1,500.00	$ -
24.	Storm Manhole 4-Foot Diameter, Complete	0	EA	$ 2,500.00	$ -
25.	6-Inch Underdrain	0	LF	$ 8.00	$ -
	Street Construction				
26.	Excavation Common	0	LF	$ 25.00	$ -
27.	Excavation Below Subgrade	0	CY	$ 20.00	$ -
28.	Select Crushed Material (12-Inch Depth)	0	SY	$ 9.00	$ -
29.	1 1/4 Inch Dense Graded Base (6-Inch Depth)	0	SY	$ 7.00	$ -
30.	3-Inch Asphalt Pavement	1,644	SY	$ 15.00	$ 24,666.67
31.	Pulverize & Relay Existing Asphalt Pavement	1,644	SY	$ 2.50	$ 4,111.11
32.	Geotextile Fabric SAS	0	SY	$ 2.50	$ -
33.	30-Inch Type D Curb and Gutter	0	LF	$ 20.00	$ -
34.	3-Inch Thick 3/4 Aggregate Base Dense - Shoulder	0	SY	$ 10.00	$ -
35.	Driveway Repair - 6-Inch Thick Concrete w/6-Inch Base	0	SY	$ 45.00	$ -
36.	Driveway Repair - 2-Inch Asphalt Driveway w/8-Inch Base	124	SY	$ 30.00	$ 3,720.00
37.	Driveway Repair - 8-Inch Thick 3/4 Aggregate Base Dense	0	SY	$ 10.00	$ -
38.	4-Inch Thick Concrete Sidewalk w/6-Inch Base	0	SF	$ 4.50	$ -
39.	Detectable Warning Field	0	EA	$ 400.00	$ -
Subtotal Watermain, Storm Sewer, Street Construction					$ 32,497.78
General Bid Items					$ 5,200.00
Total Street Improvements					$ 37,697.78
CONTINGENCIES (15%)					$ 5,700.00
ENGINEERING (20%)					$ 8,700.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)					$ 1,000.00
ENVIRONMENTAL & GEOTECHNICAL INVESTIGATION ALLOWANCE					$ 1,000.00
COST ESCALATION (Inflation 3% per annum)					$ 4,600.00
PROJECT TOTAL					**$ 59,000.00**

SUBTOTAL WATERMAIN IMPROVEMENTS	**$ -**
SUBTOTAL SANITARY SEWER IMPROVEMENTS	**$ -**
SUBTOTAL STORM SEWER	**$ -**
SUBTOTAL STREET CONSTRUCTION	**$ 59,000.00**
	$ 59,000.00

Village of Merrillan

22. Bunting Lane- Water & Sewer Extension

Project Estimate 10/7/19

Scope of Work: Install water main and sanitary sewer along Pearl St. and Bunting Ln. A lift station will need to be installed along Pearl St.

Assumptions: No rock excavation anticipated. No wetlands will be affected in this project. Anticipated construction in 2024 or later.

Water Services	**25**	
Sewer Services	**25**	**Of which 4 are on gravity sewer, the balanace is on LPS**
ROW Width	**50**	

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 57,700.00	$ 57,700.00
2.	Traffic Control	1	LS	$ 8,300.00	$ 8,300.00
3.	Erosion Control	1	LS	$ 6,200.00	$ 6,200.00
4.	Site Restoration	1	LS	$ 8,800.00	$ 8,800.00
	Water Main				
5.	Connect to Existing Water Main	1	EA	$ 1,500.00	$ 1,500.00
6.	1.5-Inch PVC Water Main	0	LF	$ 40.00	$ -
7.	8-Inch PVC Water Main	2,970	LF	$ 55.00	$ 163,350.00
8.	2-Inch Valve and Box	0	EA	$ 1,000.00	$ -
9.	8-Inch Valve and Box	2	EA	$ 2,000.00	$ 4,000.00
10.	8 -Inch Tee	1	EA	$ 450.00	$ 450.00
11.	Hydrant Complete	3	EA	$ 4,000.00	$ 12,000.00
12.	1-Inch Corporation, Curb Stop & Box	25	EA	$ 500.00	$ 12,500.00
13.	1-Inch Copper Water Service	625	LF	$ 40.00	$ 25,000.00
	Sanitary Sewer				
14.	Connect to Existing Sanitary Sewer	1	EA	$ 1,000.00	$ 1,000.00
15.	Install Lift Station	1	EA	$ 400,000.00	$ 400,000.00
16.	4-Inch PVC Force Main	940	LF	$ 50.00	$ 47,000.00
17.	2-Inch Low Pressure PVC Sanitary Sewer	2,030	LF	$ 40.00	$ 81,200.00
18.	Sanitary Manhole 4-Foot	3	EA	$ 3,000.00	$ 9,000.00
19.	6-Inch PVC Sanitary Lateral	100	LF	$ 40.00	$ 4,000.00
20.	2-inch Curb Stop & Box	21	EA	$ 600.00	$ 12,600.00
21.	Simplex Grinder Station	21	EA	$ 1,800.00	$ 37,800.00
22.	6-Inch x 2-Inch Sewer Wye	4	EA	$ 200.00	$ 800.00
	Street				
23.	Asphalt Street Restoration (Assume 3-inches Asphalt & 9" CABC)	200	SY	$ 35.00	$ 7,000.00
24.	Gravel Street Restoration	533	SY	$ 5.00	$ 2,666.67
25.	Removals	200	SY	$ 5.00	$ 1,000.00

Water Main Items	$ 218,800.00
Sewer Items	$ 593,400.00
Street Items	$ 10,666.67
General Bid Items	$ 81,000.00
Total Improvements	$ 903,866.67
CONTINGENCIES (15%)	$ 135,600.00
ENGINEERING (20%)	$ 207,900.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)	$ 22,600.00
COST ESCALATION (Inflation 3% per annum)	$ 108,500.00
PROJECT TOTAL	**$ 1,379,000.00**

SUBTOTAL WATERMAIN IMPROVEMENTS	**$ 371,491.26**
SUBTOTAL SANITARY SEWER IMPROVEMENTS	**$ 1,007,508.74**
SUBTOTAL STORM SEWER	**$ -**
SUBTOTAL STREET CONSTRUCTION	**$ -**
	$ 1,379,000.00

Village of Merrillan

23. Olsher Dr. - Center St. Water Main Loop

Project Estimate 10/7/19

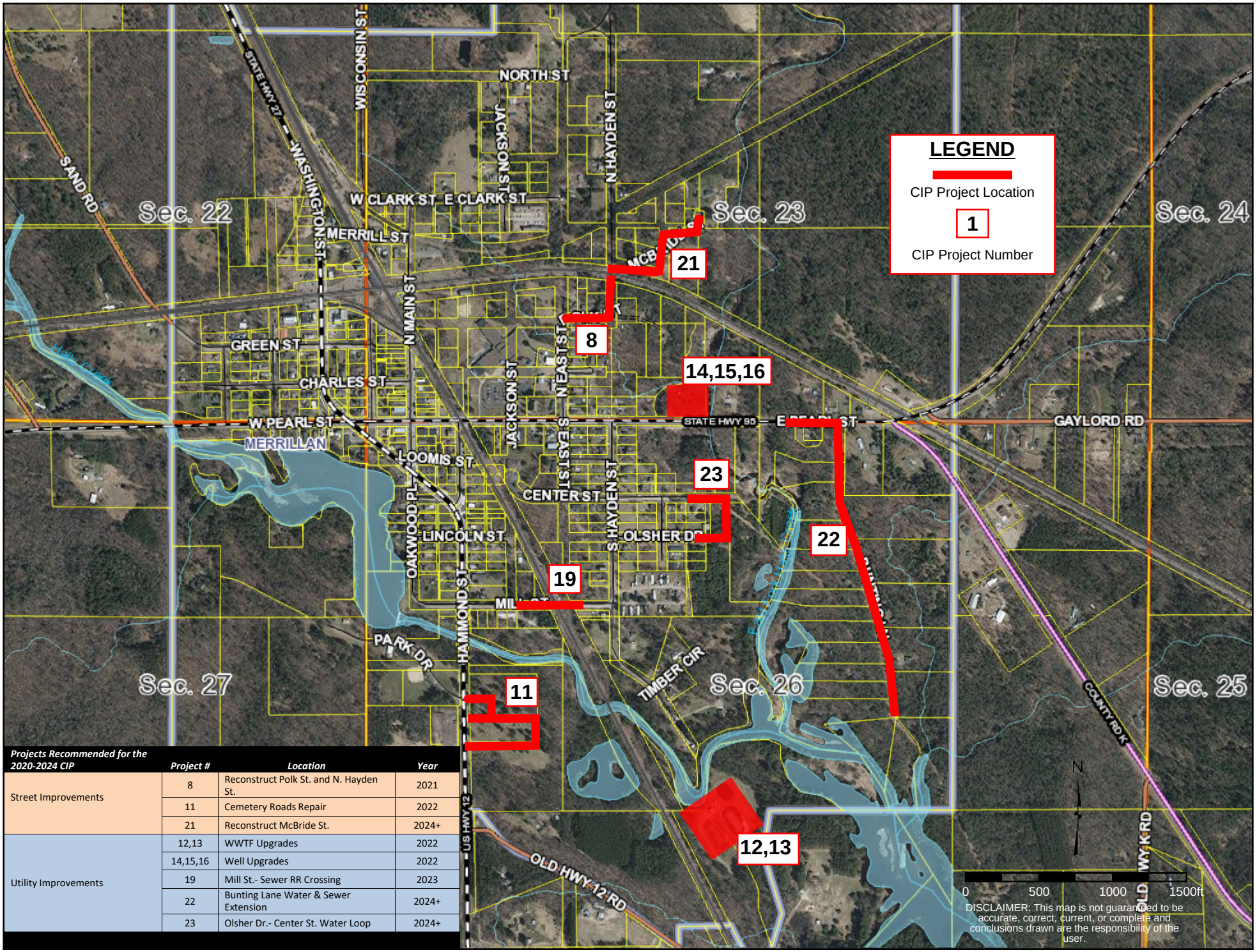
Scope of Work: Install water main loop between Olsher Dr. and Center St. The existing water main on both streets will be connected. No new water service connections will be added.

Assumptions: No rock excavation anticipated. No wetlands will be affected in this project. Anticipated construction in 2024 or later.

Water Services	**0**
ROW Width	**50**

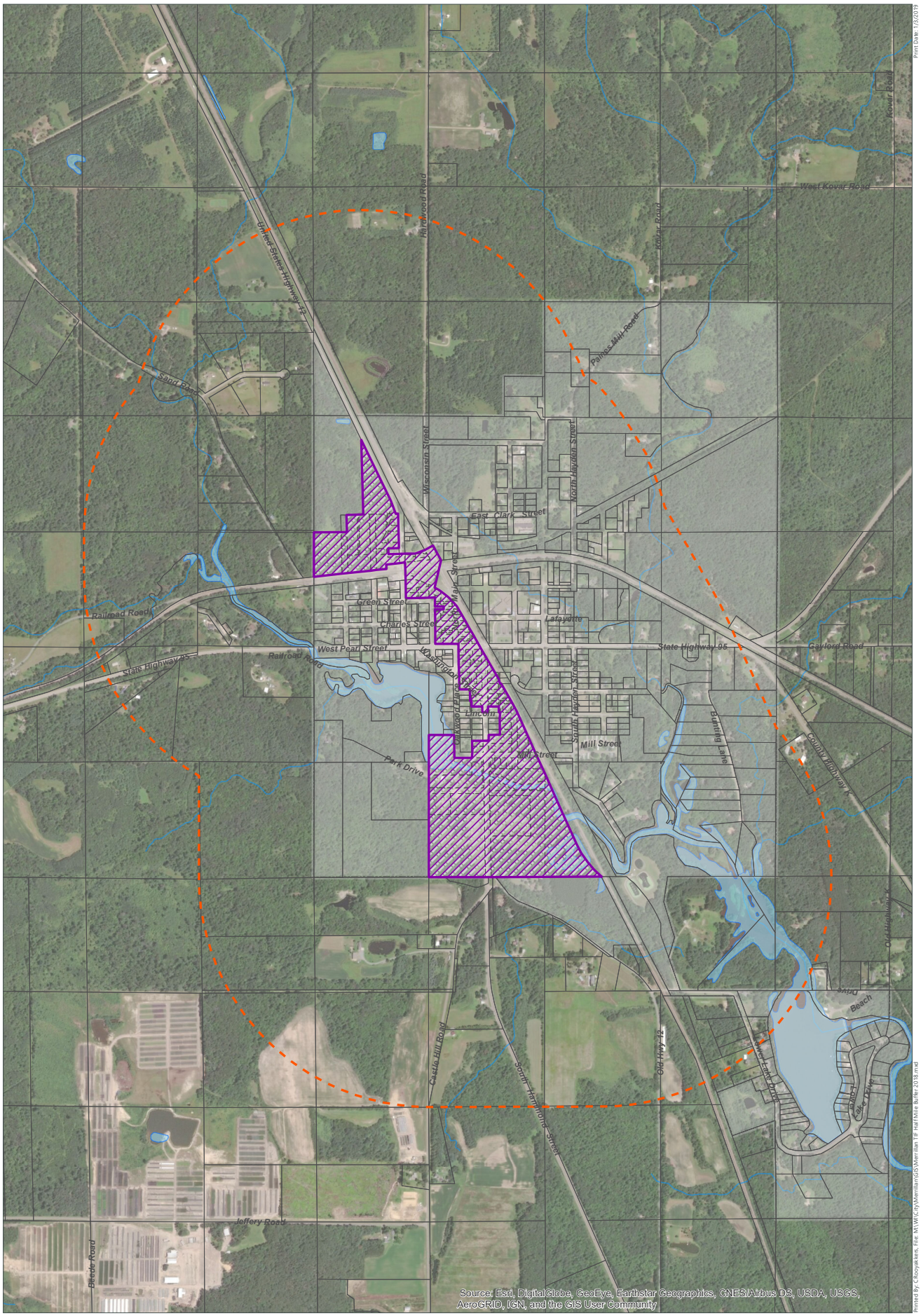
ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
	General Bid Items				
1.	Mobilzation, Bonds and Insurance	1	LS	$ 4,000.00	$ 4,000.00
2.	Traffic Control	1	LS	$ 500.00	$ 500.00
3.	Erosion Control	1	LS	$ 400.00	$ 400.00
4.	Site Restoration	1	LS	$ 1,800.00	$ 1,800.00
	Water Main				
5.	Connect to Existing Water Main	2	EA	$ 1,500.00	$ 3,000.00
6.	8-Inch PVC Water Main	575	LF	$ 55.00	$ 31,625.00
7.	8-Inch Valve and Box	2	EA	$ 2,000.00	$ 4,000.00
8.	8 x 6-Inch Reducer	1	EA	$ 500.00	$ 500.00
9.	8-Inch Tee	1	EA	$ 450.00	$ 450.00
10.	8 x 6-Inch Tee	1	EA	$ 450.00	$ 450.00
	Street				
11.	Asphalt Street Restoration (Assume 3-inches Asphalt & 9" CABC)	100	SY	$ 35.00	$ 3,500.00
12.	Removals	100	SY	$ 5.00	$ 500.00
Water Main Items					$ 40,025.00
Street Items					$ 4,000.00
General Bid Items					$ 6,700.00
Total Improvements					$ 50,725.00
CONTINGENCIES (15%)					$ 7,700.00
ENGINEERING (20%)					$ 11,700.00
LEGAL & ADMINISTRATIVE ALLOWANCE (2.5%)					$ 1,300.00
COST ESCALATION (Inflation 3% per annum)					$ 6,100.00
PROJECT TOTAL					**$ 78,000.00**

APPENDIX B: PROJECT MAP



Projects Recommended for the 2020-2024 CIP	Project #	Location	Year
Street Improvements	8	Reconstruct Polk St. and N. Hayden St.	2021
	11	Cemetery Roads Repair	2022
	21	Reconstruct McBride St.	2024+
Utility Improvements	12,13	WWTF Upgrades	2022
	14,15,16	Well Upgrades	2022
	19	Mill St.- Sewer RR Crossing	2023
	22	Bunting Lane Water & Sewer Extension	2024+
	23	Olsher Dr.- Center St. Water Loop	2024+

APPENDIX C: MERRILLAN TIF ½ MILE BUFFER MAP



MSA

Merrillan Municipal Boundary
Half Mile Buffer
TID 1

2018 HALF MILE BUFFER

TID 1

VILLAGE OF MERRILLAN
JACKSON COUNTY, WISCONSIN

N

0 500 1,000 Feet

Print Date: 1/3/2019

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