

CITY OF MERRILL

UTILITY CAPITAL REQUESTS

Wastewater Treatment Plant Blowers - 2015

**2016 Projects/Equipment (including
General Fund/Tax Levy fiscal impacts)**

City of Merrill, Wisconsin

Capital Plan

2016 thru 2025

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Water Utility												
Sewer - E. 7th St. (Center to Lake)	UT-SEW15-02	140,000										140,000
Water Main - Grand/Parkway/Stange	UT-WAT15-01	250,000										250,000
Water - Van Rensselaer St.	UT-WAT16-03	70,000										70,000
E. 6th St. (Blaine St. to Mill St.)	UT-WAT16-04	960,000										960,000
Blaine St. (E. 5th St. - Dead End)	UT-WAT16-05	230,000										230,000
Replace Utility Trucks	UT-WAT16-08	62,000										62,000
Radio Read Meter System	UT-WAT16-09	165,000	156,000	156,000								477,000
Replace WWT Garage Doors	UT-WWT16-03	16,000										16,000
Laboratory Update - WWT Plant	UT-WWT17-10		50,000									50,000
Water Utility Total		1,893,000	206,000	156,000								2,255,000
Borrowing - 20-Years (City Tax Levy)		820,000										820,000
Sewer Fund		16,000										16,000
U - Sewer Fund		408,500	128,000	78,000								614,500
U - Water Fund		648,500	78,000	78,000								804,500
Water Utility Total		1,893,000	206,000	156,000								2,255,000
Grand Total		1,893,000	206,000	156,000								2,255,000

Project # **UT-SEW15-02**
 Project Name **Sewer - E. 7th St. (Center to Lake)**

Type Improvement Department Water Utility
 Useful Life 20+ years Contact Superintendent - Utility
 Category Sanitary Sewer Priority 1 Critical

Description Total Project Cost: \$140,000
 Due to collapse of sanitary sewer main, it is may be necessary to dig up 2003 street improvement. Only water main was replaced.
 Project delayed from 2015 pending engineering review of potential sanitary sewer options to digging up the street. Possible to reline sanitary sewer? Another location for sewer main?

Justification
 Sanitary sewer has collapsed - about 15' deep and is below the storm sewer.
 City newer policy is to replace both water and sanitary sewer mains when making future street improvements.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Construction/Maintenance	140,000										140,000
Total	140,000										140,000

Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Borrowing - 20-Years	85,000										85,000
U - Sewer Fund	55,000										55,000
Total	140,000										140,000

Budget Impact/Other

Project # UT-WAT15-01
Project Name Water Main - Grand/Parkway/Stange

Type Improvement **Department** Water Utility
Useful Life 20+ years **Contact** Superintendent - Utility
Category Water **Priority** I Critical

Description **Total Project Cost:** \$260,500
 Replace 12" steel water main from Grand Ave. to Stange Park by T.B. Scott Library along the Prairie River.

Justification
 Main was originally installed between 1905 and 1910. Long past life cycle and needs replacement.

Prior	Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
10,500	Construction/Maintenance	250,000										250,000
Total	Total	250,000										250,000

Prior	Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
10,500	U - Water Fund	250,000										250,000
Total	Total	250,000										250,000

Budget Impact/Other
 Due to late bidding process, only bid received in 2015 was rejected due to cost.

Project # UT-WAT16-03
Project Name Water - Van Rensellaer St.

Type Improvement **Department** Water Utility
Useful Life 25+ years **Contact** Superintendent - Utility
Category Infrastructure Improvements **Priority** 1 Critical

Description **Total Project Cost: \$70,000**
 Replace existing 5" steel water main with new 10" Ductile Iron water main - Van Rensellaer Street (East 1st Street to East Main Street).
 Project would be performed by Water Utility personnel. Street will need to be repaved (with minimal to no curb/gutter impacts).
 Sanitary sewer and storm sewers were televised and are in good shape.

Justification
 Existing water main installed in 1890's. There is 10" water main stubbed out of the intersection of East Main. Street and East 1st Street.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Construction - Street & Utilities	70,000										70,000
Total	70,000										70,000

Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Borrowing - 20-Years	30,000										30,000
U - Water Fund	40,000										40,000
Total	70,000										70,000

Budget Impact/Other
 The asphalt paving could be included in bidding for Park Street and Kyes Street improvements (Idle Sites - TID No. 9).

Project # UT-WAT16-04
Project Name E. 6th St. (Blaine St. to Mill St.)

Type Improvement **Department** Water Utility
Useful Life 25+ years **Contact** Superintendent - Utility
Category Street Reconstruction **Priority** 1 Critical

Description **Total Project Cost:** \$960,000
 Replace existing 6" Cast Iron water main with new 8" Ductile Iron water main. Replace existing sanitary sewer main with new PVC main. Street reconstruction of curb, gutter, and asphalt paving.

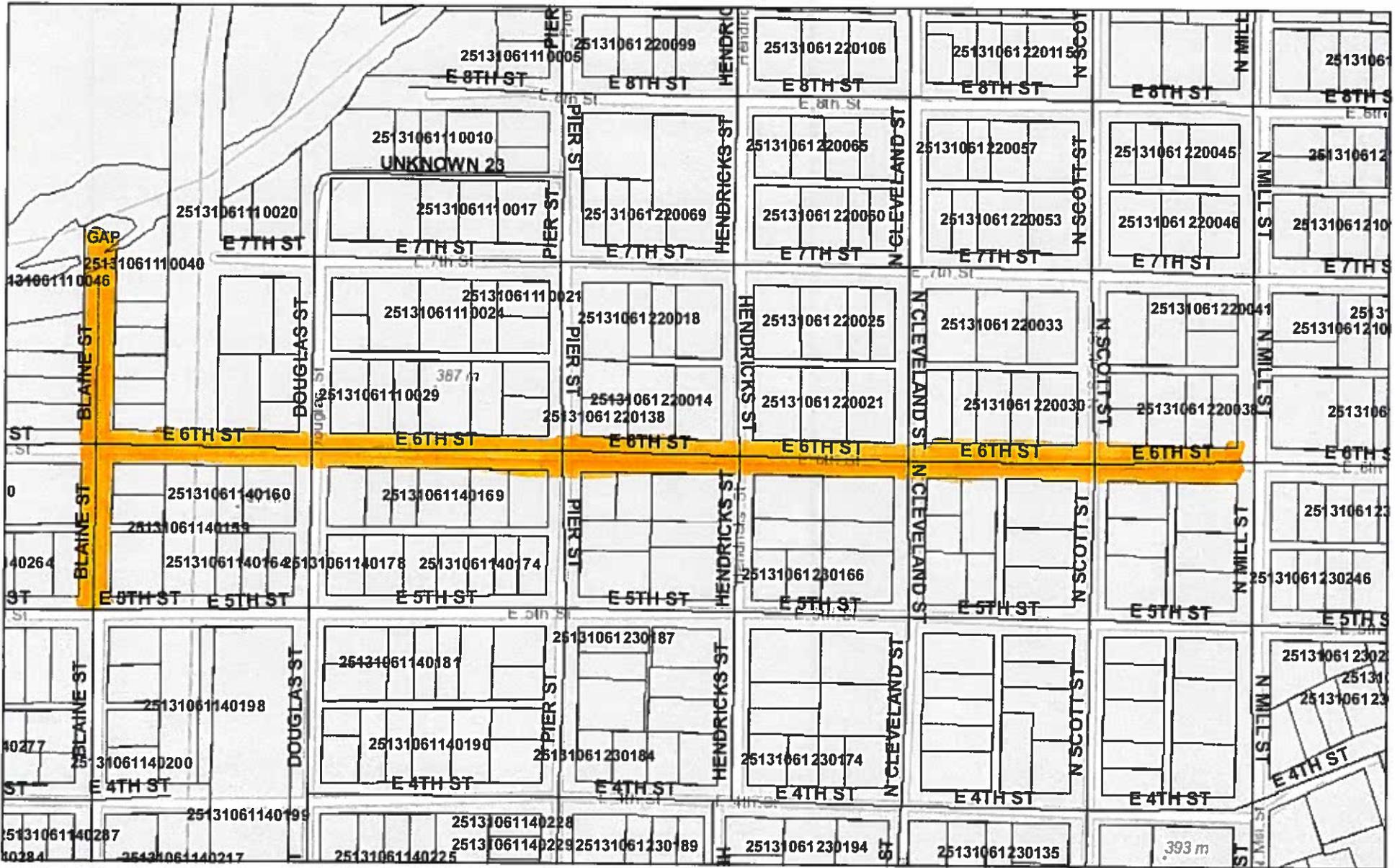
Justification
 Water main was installed in 1950's and the sanitary sewer is in terrible condition with a number of areas experiencing heavy root problems that require additional maintenance.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Constructuion - Street & Utilities	960,000										960,000
Total	960,000										960,000

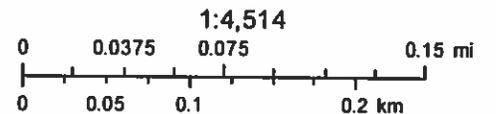
Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Borrowing - 20-Years	625,000										625,000
U - Water Fund	175,000										175,000
U - Sewer Fund	160,000										160,000
Total	960,000										960,000

Budget Impact/Other
 Any gravel streets in the area? Potential for Athletic Park streets and parking lot?

City of Merrill's Tax Incremental Districts



October 15, 2015



U-CAP-8

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

Project # UT-WAT16-08
Project Name Replace Utility Trucks

Type Vehicle
Useful Life 10 years
Category Vehicles
Department Water Utility
Contact Superintendent - Utility
Priority I Critical

Description **Total Project Cost: \$62,000**
 Replace two Utility trucks:
 New 1/2 ton pick-up
 Replace 2000 Ford F250 with lift gate

Justification
 The 2005 Ford van has been set-up with the Utility's CCTV equipment. At times, this leaves the Utility Department a vehicle short for operations.
 The existing truck with lift gate is 16 years old and has reached maximum lifespan. This truck is used to haul chemicals in addition to normal utility operations.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Equipment/Vehicles	62,000										62,000
Total	62,000										62,000

Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
U - Water Fund	31,000										31,000
U - Sewer Fund	31,000										31,000
Total	62,000										62,000

Budget Impact/Other
 Preliminary cost estimate for 2016 purchases:
 \$28,000 1/2 ton pick-up
 \$34,000 Truck with lift gate

Project # UT-WWT16-03
Project Name Replace WWT Garage Doors

Type Improvement **Department** Water Utility
Useful Life 20 years **Contact** Superintendent - Utility
Category Wastewater **Priority** 1 Critical

Description **Total Project Cost:** \$16,000
 Replace existing metal rolling garage doors at the wastewater treatment plant.

Justification
 Existing doors have little or no energy efficiency. Increasing needed service work has been required to keep the doors operational.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Construction/Maintenance	16,000										16,000
Total	16,000										16,000

Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Sewer Fund	16,000										16,000
Total	16,000										16,000

Budget Impact/Other