City of Merrill, Wisconsin

Capital Plan

2016 thru 2025

PROJECTS BY FUNDING SOURCE

Source	#	Priority	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Borrowing-20-Years (City Tax Levy)													
Sewer - E. 7th St. (Elm to Lake)	UT-SEW15-02	1	85,000										85,000
Water - Van Rensselaer St.	UT-WAT16-03	1	30,000										30,000
E. 6th St. (Blaine St. to Mill St.)	UT-WAT16-04	1	625,000										625,000
Blaine St. (E. 5th St. - Dead End)	UT-WAT16-05	1	80,000										80,000
Borrowing-20-Years (City Tax Levy) Total			820,000										820,000
U - Sewer Fund													
Sewer - E. 7th St. (Elm to Lake)	UT-SEW15-02	1	55,000										55,000
E. 6th St. (Blaine St. to Mill St.)	UT-WAT16-04	1	160,000										160,000
Blaine St. (E. 5th St. - Dead End)	UT-WAT16-05	1	80,000										80,000
Replace Utility Trucks	UT-WAT16-08	1	31,000										31,000
Radio Read Meter System	UT-WAT16-09	2	82,500	78,000	78,000								238,500
Replace WWT Garage Doors	UT-WWT16-03	1	16,000										16,000
Laboratory Update - WWT Plant	UT-WWT17-10	2		50,000									50,000
U - Sewer Fund Total			424,500	128,000	78,000								630,500
U - Water Fund													
Water Main - Grand/Parkway/Stange	UT-WAT15-01	1	250,000										250,000
Water - Van Rensselaer St.	UT-WAT16-03	1	40,000										40,000
E. 6th St. (Blaine St. to Mill St.)	UT-WAT16-04	1	175,000										175,000
Blaine St. (E. 5th St. - Dead End)	UT-WAT16-05	1	70,000										70,000
Replace Utility Trucks	UT-WAT16-08	1	31,000										31,000
Radio Read Meter System	UT-WAT16-09	2	82,500	78,000	78,000								238,500
U - Water Fund Total			648,500	78,000	78,000								804,500
GRAND TOTAL			1,893,000	206,000	156,000								2,255,000

Project # UT-SEW15-02

Project Name Sewer - E. 7th St. (Elm 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 (City Tax Levy)	85,000										85,000
U - Sewer Fund	55,000										55,000
Total	140,000										140,000

Budget Impact/Other

Project # UT-WAT16-03

Project Name Water - Van Rensselaer St.

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

Description

Total Project Cost: $70,000

Replace existing 5" steel water main with new 10" Ductile Iron water main - Van Rensselaer 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

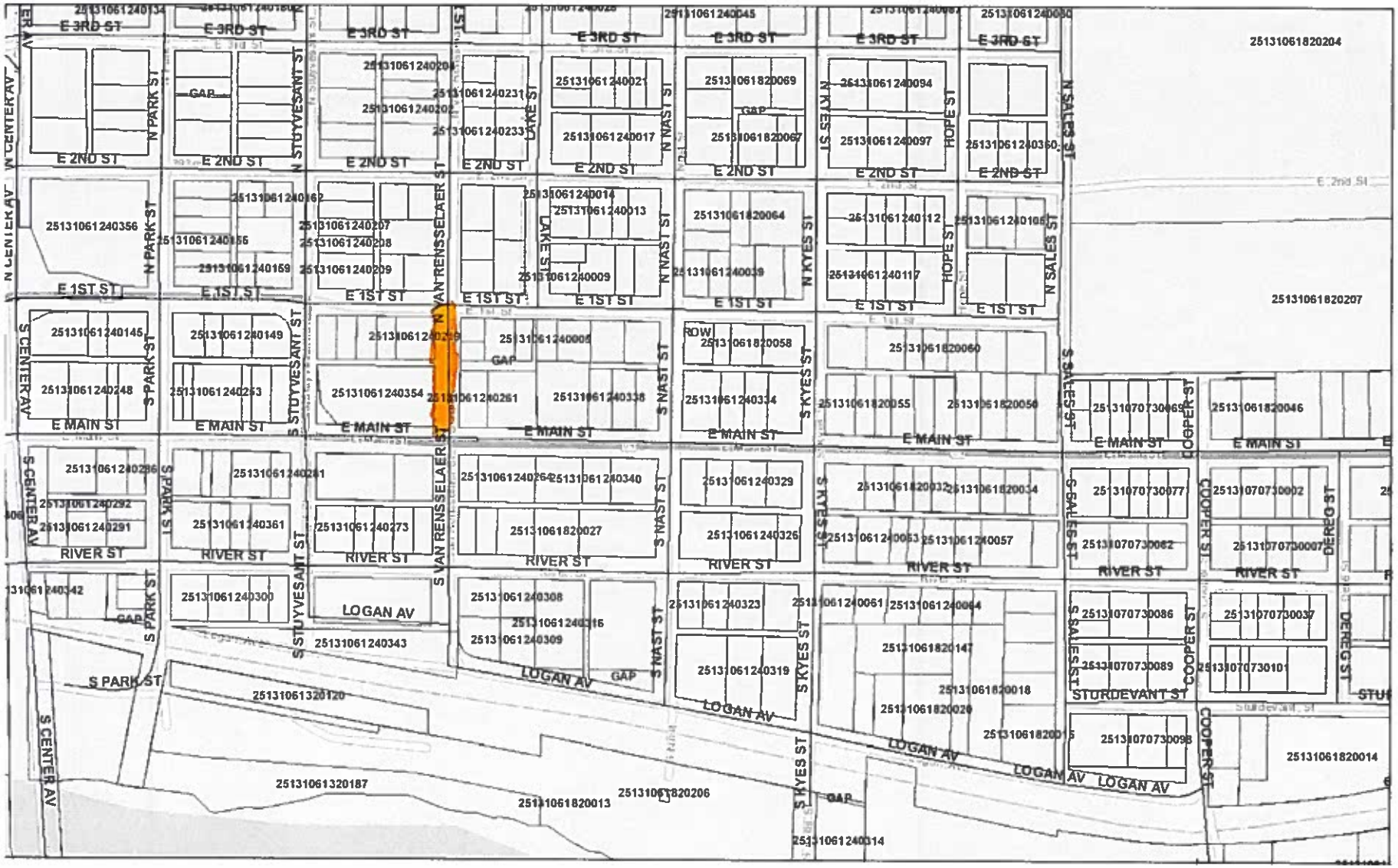
Existing water main installed in 1890's. There is 10" water main stubbed out of the intersection of East Main. Street and East 1st Street.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Constructuion - 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 (City Tax Levy)	30,000										30,000
U - Water Fund	40,000										40,000
Total	70,000										70,000

Budget Impact/Other

Tax Increment Districts



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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

City of Merrill
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Van Rensselaer St. –
Water Main Replacement

U-CAP-4

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 (City Tax Levy)	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?

Project # UT-WAT16-05

Project Name Blaine St. (E. 5th St. - Dead End)

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

Description

Total Project Cost: $230,000

Replace existing 2" Cast Iron water main from E. 5th St. to dead-end which is north of E. 6th St. with 6" Ductile Iron water main. Replace existing clay tile sanitary sewer with 8" PVC sewer main. Street reconstruction with curb, gutter, and asphalt paving.

Justification

Water main between E. 5th St. and E. 6th St. installed in 1932 and north of E. 6th St. installed in 1950. Sanitary sewer between E. 5th St. and E. 6th St. installed in 1924 and north of E. 6th St. installed in 1944. The sewer main runs to lift station installed in 1963. The sewer main was televised and found to leak badly allowing ground water to flow into the sanitary sewer system.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Construction - Street Improvements	230,000										230,000
Total	**230,000**										**230,000**

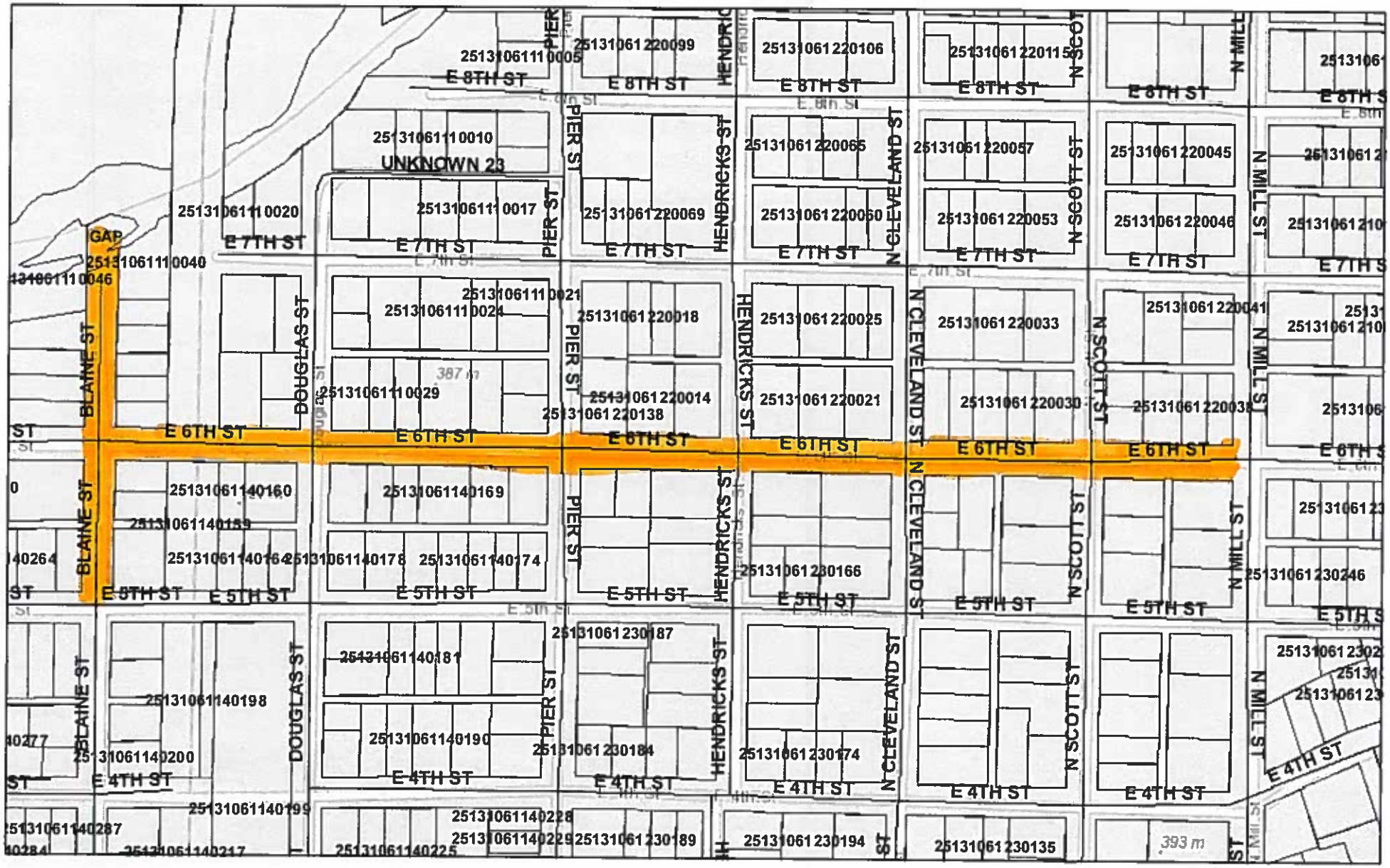
Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Borrowing-20-Years (City Tax Levy)	80,000										80,000
U - Water Fund	70,000										70,000
U - Sewer Fund	80,000										80,000
Total	**230,000**										**230,000**

Budget Impact/Other

Would be included with bidding for E. 6th St. (Blaine St. to Mill St.) project.

Any gravel streets in the area that potentially should be included?

City of Merrill's Tax Increment Districts



October 15, 2015

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

U-CAP-7

Project # UT-WAT16-08

Project Name Replace Utility Trucks

Type	Vehicle	**Department**	Water Utility
Useful Life	10 years	**Contact**	Superintendent - Utility
Category	Vehicles	**Priority**	1 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-WAT16-09

Project Name Radio Read Meter System

Type	Equipment	**Department**	Water Utility
Useful Life	10+ years	**Contact**	Superintendent - Utility
Category	Equipment: Computers	**Priority**	2 Important

Description

Total Project Cost: $477,000

Install radio read meter system - phased in over three (3) years. System would include the radio box along with the drive-by auto read integration to the City's current meter reading handhelds.

Justification

System would allow for monthly billing replacing current quarterly billing. Automation would reduce time spent on meter reading. Existing meters can be adapted to be read by radio with purchase/installation of radio box and upgrading handheld devices.

Expenditures	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Utility - Equipment	165,000	156,000	156,000								477,000
Total	**165,000**	**156,000**	**156,000**								**477,000**

Funding Sources	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
U - Water Fund	82,500	78,000	78,000								238,500
U - Sewer Fund	82,500	78,000	78,000								238,500
Total	**165,000**	**156,000**	**156,000**								**477,000**

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**	1 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 orginally 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-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