

Supplement 6

CM Hiller:

Can we itemize today what staff has in mind for 2022 for each of the non-itemized Utility funds?

Per Braxton Copley

Project Category	Project Name	Project Number	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	5 Year Total	Previous Funding	Future Funding	Type	Changes from 2021 CIP
Utilities	Stormwater Pump Station Rehab/Replacement Program <b>2024 CIP:</b> 1. Oakland Stormwater Pump Station	161013	\$-	\$-	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,500,000	\$-	\$ 2,500,000	Repair/Replace	No Change
Utilities	Annual Stormwater Conveyance System <b>2022 projects in process:</b> T-501081.01 Seward Ave Bulbouts Ph II; Wilson, Scotland, Grattan T-501081.02 SW Cheyenne Hills T-501081.03 Shunga Streambank Stabilization T-501081.04 SE 23rd and Market Drainage Study T-501081.06 29th and Lane Drainage Study T-501081.07 Stonegate Ct Drainage Study T-501081.09 24th and Massachusetts Drainage Study T-501081.10 2200 Prairie Drainage Study T-501081.11 SW Topeka Blvd, SW Terra Dr Drainage Study Channel Design T-501081.12 Yorkshire/Danbury Storm Improvements T-501081.13 Sherwood Apartments Stormwater Improvements T-501081.14 SW 25th and Kingsrow Drainage Study T-501081.15 2817 SW Plass Ave H&H Study T-501081.16 12th St Stormwater Improvements <b>2022 CIP:</b> 1. 17th & Westport (in conjunction with street project). 2. 23rd & Market Phase I (Following recommendations of Drainage Report). <b>2023 CIP:</b> 1. Prairie Road Phase I & II (Following recommendations of Drainage Report). <b>2024 CIP:</b> 1. Stonegate Ct Channel Realignment (Following recommendation of Drainage Report). 2. 23rd and Market Phase II & III (Following recommendation of Drainage Report). <b>Future Projects:</b> 1. 12th and Western to 8th and Western 2. 8th and Western to 5th and Polk 3. 2400 block of SE Massachusetts 4. West Indian Hills	501081	\$ 3,000,000	\$ 2,500,000	\$ 2,500,000	\$ 3,400,000	\$ 4,650,000	\$ 16,049,999	\$-	\$ 18,000,000	Repair/Replace	Increased 2022 \$1,000,000; 2023 700K; Decreased 2025 100k
Utilities	Annual Stream & Channel Restoration, Stabilization, & Rehab Ward Channel Restoration to occur from Billard and 12th to the Drive. Exact phasing to be determined during design. <b>2022 CIP:</b> 1. Ward Channel Phase I <b>2023 CIP:</b> 2. Ward Channel Phase II <b>2024 CIP:</b> 3. Ward Channel Phase III	501085	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000	\$-	\$ 750,000	Repair/Replace	Not on 2021 CIP

Project Category	Project Name	Project Number	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	5 Year Total	Previous Funding	Future Funding	Type	Changes from 2021 CIP
Utilities	Annual Wastewater Pump Station Rehabilitation & Replacement Program <a href="#">We have already provided a detailed list of future projects under the program.</a> <a href="#">There is an ongoing condition assessment and master plan that is being finalized, so this list is subject to change but the following (based on data received so far) are being tentatively planned:</a> <b>2022 CIP:</b> <a href="#">1. PS19: ALKIRE PS</a> <a href="#">2. PS11: NORTHLAND II PS</a> <b>2023 CIP:</b> <a href="#">1. PS46: SHAWNEE II PS</a> <a href="#">2. PS45: SHAWNEE I PS</a> <b>2024 CIP:</b> <a href="#">1. PS05: CENTRAL PARK PS</a>	291099	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 2,000,000	\$ 8,000,000	\$-	\$ 7,500,000	Repair/Replace	No Change
Utilities	Annual Wastewater Lining & Replacement Program <a href="#">Please see attached list.</a>	291108	\$ 3,500,000	\$ 6,000,000	\$ 6,000,000	\$ 6,000,000	\$ 6,000,000	\$ 27,500,000	\$-	\$ 34,000,000	Repair/Replace	No Change
Utilities	Annual Sanitary Sewer Interceptor Maintenance & Rehabilitation Program <a href="#">Please see attached list.</a>	291109	\$ 1,500,000	\$ 2,000,000	\$ 5,000,000	\$ 7,500,000	\$ 5,000,000	\$ 21,000,000	\$-	\$ 7,500,000	Repair/Replace	No Change
Utilities	Annual Sanitary Sewer Force Main Replacement Program <a href="#">Please see attached list.</a>	291110	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 3,000,000	\$ 23,000,000	\$-	\$-	Repair/Replace	Increased 2022 \$1,000,000; 2025 \$500,000; Decreased 2023 \$1,000,000
Utilities	Annual Water Main Replacement Program <a href="#">Please see attached list.</a>	281225	\$ 6,500,000	\$ 6,750,000	\$ 6,500,000	\$ 6,500,000	\$ 7,000,000	\$ 33,250,000	\$-	\$ 38,000,000	Repair/Replace	Increased 2023 \$250,000
Utilities	Southeast Zone Improvements & Optimizations <a href="#">1. Wenger Street, North of 57th Street (3,600 LF of 16"): \$1,152,000</a> <a href="#">2. Moundview Drive Between Mulligan Drive to 49th Street (1,600 LF of 6"): \$225,000 (from latest WMR spreadsheet)</a> <a href="#">3. Future Southeast Zone Tower Property: \$250,000</a> <a href="#">4. Fremont Street and 31st Street (3,600 LF of 8"): \$576,000</a> <a href="#">5. Deer Creek Trafficway Between 10th Street to 8th Street (1,100 LF of 12"): \$264,000</a> <a href="#">6. West Edge Road, North of 45th Street (2,000 LF of 12"): \$480,000</a>	281162	\$-	\$-	\$ 1,548,000	\$-	\$ 1,500,000	\$ 3,048,000	\$-	\$-	New and Repair/R	No Change
Utilities	West Zone Improvements & Optimizations <a href="#">1. Wanamaker Road Between 21st Street and 29th Street (5,300 LF of 16"): \$2,035,000</a> <a href="#">2. Wanamaker Road South of 29th Street (2,000 LF of 16"): \$640,000</a> OR <a href="#">1. Central-West Boundary Optimization (Menninger Hill); Steps 1 and 2</a> <a href="#">o Urish Road and River Hill Development (8,900 LF of 12"): 2,563,000</a> <a href="#">o 10th Street West of Wanamaker (800 LF of 12"): \$192,000</a>	281163	\$-	\$-	\$-	\$ 2,816,000	\$-	\$ 2,816,000	\$-	\$-	New and Repair/R	No Change

Project Category	Project Name	Project Number	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	5 Year Total	Previous Funding	Future Funding	Type	Changes from 2021 CIP
Utilities	Central Zone Improvements & Optimizations Phase II 1. 21st Street Between Washburn Avenue and Western Avenue (2,700 LF of 24"): \$750,000 (additional \$750,000 from the WMR Program) 2. Northwest of HWY24 and Topeka Boulevard Between 24th Street and Reo Street (1,400 LF of 12"): \$403,000 3. Quincy Street Between Laurent Street and Morse Street (1,500 LF of 16"): \$576,000 4. 6th Avenue Between Fairlawn Road and Governor's Lake (1,000 LF 12"): \$480,000 5. 21st Street Between Randolph Avenue and Washburn Avenue (4,000 LF of 24"): \$2,304,000 OR 1. 21st Street Between Washburn Avenue and Western Avenue (2,700 LF of 24"): \$750,000 (additional \$750,000 from the WMR Program) 2. Northwest of HWY24 and Topeka Boulevard Between 24th Street and Reo Street (1,400 LF of 12"): \$403,000 3. Quincy Street Between Laurent Street and Morse Street (1,500 LF of 16"): \$576,000 4. Central-Southeast Boundary Optimization (I-470 Corridor) <ul style="list-style-type: none"><li>o 37th Street Between Burligame Road and Plaza Drive (3,800 LF of 12"): \$1,094,000</li><li>o East of 35th Terrace and South of MacVicar Avenue (900 LF of 12"): \$259,000</li><li>o I-470 Between 37th Street and Burlingame Road (2,800 LF of 12"): \$806,000</li><li>o 37th Street East of Gage Boulevard (500 LF of 12"): \$144,000</li></ul>	281196	\$-	\$ 675,000	\$ 2,000,000	\$-	\$ 2,000,000	\$ 4,675,000	\$-	\$-	New and Repair/R	No Change
Utilities	Annual Water Tower Rehabilitation Program The next three towers identified for rehab are: 1. 40th & Quincy 2. Croco 3. Indian Hills	281215	\$-	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,000,000	\$-	\$ 1,250,000	Repair/Replace	No Change
Utilities	Annual Water Treatment Plant Rehabilitation Program 1. Electrical inspection and maintenance-This will be a large scale inspection; last one was completed in 2010; they are recommended every 5 years. 2. Cleaning of all clear wells and Burnett's Mound storage. 3. East plant basin equipment coating. 4. VFD for Fairlawn pump station, then 2 pumps at Layne.	281238	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000	\$-	\$ 5,000,000	Repair/Replace	No Change
Utilities	Meter Vault Replacement Program Meter Services staff continue to survey large meter vaults to determine the conditions of vaults and identify any potential safety concerns to finalize a list of priorities for this project prior to funding becoming available in 2024.	281218	\$-	\$-	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,500,000	\$-	\$ 4,000,000	Repair/Replace	No Change
Utilities	Annual Hydrant and Valve Rehab and Replacement Program Distribution staff continue to survey the valves and hydrants throughout the City to determine the condition and finalize a list of priorities for replacement prior to funding becoming available in 2024.	281221	\$-	\$-	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000	\$-	\$ 1,000,000	Repair/Replace	No Change
Utilities	West Filter Rehabilitation This is a standalone project. The worksheet in the CIP book includes a description of the project.	281240	\$-	\$-	\$-	\$-	\$ 3,365,381	\$ 3,365,381	\$-	\$-	New and Repair/R	Not on 2021 CIP
Utilities	Annual Water Plant Operations Equipment & Fleet Maintenance Program Staff works from the existing Fleet Replacement Listing of vehicles deemed beyond their useful life as a starting point. Operations staff meet quarterly to review Fund needs and determine highest priorities for each year's programming funds available.	281234	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,000,000	\$-	\$ 2,000,000	New and Repair/R	No Change
Utilities	Disinfection Modification This is a standalone project. The worksheet in the CIP book includes a description of the project.	281236	\$-	\$-	\$-	\$-	\$-	\$-	\$ 2,213,250	\$-	New	New Project

Project Category	Project Name	Project Number	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	5 Year Total	Previous Funding	Future Funding	Type	Changes from 2021 CIP
Utilities	Supervisory Control and Data Acquisition (SCADA) Upgrades <a href="#">Water Pollution Control</a> <b>2022:</b> <a href="#">Radios</a> <a href="#">PLCs and associated parts, programming</a> <a href="#">Towers</a> <a href="#">Servers</a> <a href="#">Network</a> <b>2023:</b> <a href="#">Radios</a> <a href="#">PLCs and associated parts, programming</a> <a href="#">Towers</a> <b>2024:</b> <a href="#">PLCs</a> <a href="#">PLCs and associated parts, programming</a> <a href="#">Control Room</a> <b>Water</b> <b>2022:</b> <a href="#">PLC and SCADA Programming</a> <a href="#">Radios</a> <a href="#">Fiber</a> <b>2023:</b> <a href="#">PLC and SCADA Programming</a>	281239	\$-	\$-	\$-	\$ 150,000	\$ 150,000	\$ 300,000	\$-	\$-	New	Rev Bond and Water
Utilities	Annual Levee Asset Repair/Rehab Program <a href="#">1. Soldier Creek Levee Improvements to be eligible for FEMA certification.</a> <a href="#">2. Shunga Right Bank Spoil Levee Improvements to be eligible for FEMA certification.</a>	161016	\$ 200,000	\$ 200,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,150,000	\$-	\$ 1,250,000	Repair/Replace	No Change
Utilities	Annual Best Management Practices Development & Construction <b>2022 CIP:</b> <a href="#">1. 7th &amp; Quincy Improvements (2022 CIP).</a> <b>2023 CIP:</b> <a href="#">1. BMP in conjunction with California from 37th to 45th street improvement project.</a>	501083	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000	\$-	\$ 1,250,000	New and Repair/R	No Change
Utilities	Annual Drainage Correction Program <b>2022 CIP:</b> <a href="#">1. Ashworth South DCP</a>	501084	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000	\$-	\$ 1,500,000	New and Repair/R	No Change
Utilities	Annual Stormwater Operations Equipment & Fleet Maintenance <a href="#">Staff works from the existing Fleet Replacement Listing of vehicles deemed beyond their useful life as a starting point. Operations staff meet quarterly to review Fund needs and determine highest priorities for each year’s programming funds available. Stormwater (Wastewater) funds increase up to \$350,000 on a Bi-Annual basis to cover the lone purchase of a Vactor Truck. Vactor truck purchases alternate between Stormwater and Wastewater funding.</a>	501086	\$ 350,000	\$ 300,000	\$ 350,000	\$ 300,000	\$ 500,000	\$ 1,800,000	\$-	\$ 1,500,000	Repair/Replace	No Change

Project Category	Project Name	Project Number	Proposed 2022	Proposed 2023	Proposed 2024	Proposed 2025	Proposed 2026	5 Year Total	Previous Funding	Future Funding	Type	Changes from 2021 CIP
Utilities	Annual Inflow & Infiltration Program There are currently 15 work orders in Cityworks for lines deemed necessary to replace. This known work, along with new issues identified every week, are juggled based on priorities in the moment. The list grows and shrinks as issues are identified and addressed. TOP FIVE PROJECTS: 1. 2424 SW 25th Drive 2. 1139 SW MISSION AVE 3. 202 NW Story Street 4. 101 NW Lindenwood Ave 5. 1415 SW COLLINS AVE	291111	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000	\$-	\$ 2,500,000	Repair/Replace	No Change
Utilities	Annual WPC Facility Rehabilitation Program 2022 Oakland Solids Thickening equipment replacement - \$950,000 2023 Oakland Headworks motor replacements - \$ 500,000 North Topeka rotating weir and thickening pumps - \$ 500,000 2024 Oakland Primary Sludge Pump replacement and upgrade ( 12 pumps and appurtenances) - \$950,000	291112	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000	\$ 9,000,000	\$-	\$ 5,000,000	Repair/Replace	No Change
Utilities	Annual Wastewater Plant Operations Equipment & Fleet Maintenance Program Staff works from the existing Fleet Replacement Listing of vehicles deemed beyond their useful life as a starting point. Operations staff meet quarterly to review Fund needs and determine highest priorities for each year’s programming funds available. Stormwater (Wastewater) funds increase up to \$350,000 on a Bi-Annual basis to cover the lone purchase of a Vactor Truck. Vactor truck purchases alternate between Stormwater and Wastewater funding.	291114	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000	\$-	\$ 1,500,000	Repair/Replace	No Change

City of Topeka Utilities  
CIP/CIB Wastewater and Lining Replacement Forecast

	Column Letter <span>→</span>	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
1	Annual Wastewater Lining & Replacement Program										
2	2021 Annual Wastewater Lining & Replacement Program										
3	Budget	\$2,500,000.00									
4	Finance Cost Estimate	\$75,000.00									
5	Total for Projects	\$2,413,274.00									
6	Total (Finance Cost + Project Cost)	\$2,488,274.00									
7	Available/Contingency Amount	\$11,726.00									
8	BCBS Line Repair		\$200,000.00								Developer driven project to replace sewer improvement.
9	Central Park SORT 2019		\$200,000.00								Project area was selected through 2019 SORT process
10	2630 SW Arrowhead sanitary realignment		\$100,000.00								Project originated from Maintenance Staff as an emergency repair
11	Harland Ct. Sewer Realignment (Design)		\$550,000.00								Project originated from Maintenance Staff as an emergency repair
12	Observation/Investigation East Topeka North SORT 2020		\$150,000.00								Project area selected through 2020 SORT process
13	12th St Sanitary Sewer Lining Project		\$1,213,274.00	5,525	125	5,400	0	5	5	25	See Map Nos. 1, 2, 3, 4, 5, 6, 7, and 8 locations of sewer pipe improvements. This project is in additon to approximately \$600,000 sanitary sewer rehabilitation in the 12th St - Street Improvement Project
14	2022 Annual Wastewater Lining & Replacement Program										
15	Budget	\$3,500,000.00									
16	Finance Cost Estimate	\$105,000.00									
17	Total for Projects	\$3,045,000.00									
18	Total (Finance Cost + Project Cost)	\$3,150,000.00									
19	Available/Contingency Amount	\$350,000.00									
20	Roosevelt & Crosstown Interceptor Rehab/Repair - along Collins Ave and Ward Creek from Munson to Southwest Reynolds (Out to Bid). Phase 1 of 2		\$1,800,000.00	2,062	0	2,062	5	0	5		Phase 1 of 2. See Map Nos. 9, 10, 11, 12, 13, 14, 15, 16, and 17. This cost estimate reflect a portion of the total project budget estimate of \$2,758,000.
21	Sewer Lining Project, Plat F5, Phase 1 of 2		\$1,245,000.00	7,066	2,049	4,797	33	1	31	24.46	See Map No. 18. Project area generally bound as follows: North - Southwest 10th Ave; West - SW Gage Boulevard; East - SW Oakley Ave; South - SW Huntoon Street. This cost estimate reflects a portion of a total budget of \$3,183,000.
22	2023 Annual Wastewater Lining & Replacement Program										
23	Budget	\$6,000,000.00									
24	Finance Cost Estimate	\$180,000.00									

City of Topeka Utilities  
CIP/CIB Wastewater and Lining Replacement Forecast

	Column Letter <span>→</span>	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
25	Total for Projects	\$5,220,000.00									
26	Total (Finance Cost + Project Cost)	\$5,400,000.00									
27	Available/Contingency Amount	\$600,000.00									
28	Sewer Lining Project, Plat F5, Phase 2 of 2		\$1,938,000.00	11,191	3,245	8,165	53	1	54	24.46	See Map No. 18. Project area generally bound as follows: North - Southwest 10th Ave; West - SW Gage Boulevard; East - SW Oakley Ave; South - SW Huntoon Street. This cost estimate reflects a portion of a total budget of \$3,183,000.
29	Sewer Lining Project, Plat F7		\$1,686,000.00	10,178	1,198	8,980	30	0	30	18.20	See Map No. 19. Project area generally bound as follows: North - Southwest 10th Ave; West - SW MacVicar Ave; East - SW Washburn Ave; South - SW Huntoon Street.
30	Sewer Lining Project, Plat F6		\$1,149,000.00	6,829	0	6,929	44	4	48	16.10	See Map No. 20. Project area generally bound as follows: North - Southwest 10th Ave; West - SW Oakley Ave; East - SW MacVicar Ave; South - SW Huntoon Street.
31	Sewer Lining Project, Plat G9 (Phase 1 of 2)		\$447,000.00	1,768	903	787	8	1	9	23.12	See Map No. 21. Project area generally bound as follows: North - Southwest Huntoon Ave; West - SW Western Ave; East - SW Kansas Ave and SW Jackson St; South - SW 17th Street. This cost estimate reflects a portion of a total budget of \$3,041,000.
32	2024 Annual Wastewater Lining & Replacement Program										
33	Budget	\$6,000,000.00									
34	Finance Cost Estimate	\$180,000.00									
35	Total for Projects	\$5,220,000.00									
36	Total (Finance Cost + Project Cost)	\$5,400,000.00									
37	Available/Contingency Amount	\$600,000.00									
38	Sewer Lining Project, Plat G9 (Phase 2 of 2)		\$2,594,000.00	10,260	5,243	4,566	46	6	52	23.12	See Map No. 21. Project area generally bound as follows: North - Southwest Huntoon Ave; West - SW Western Ave; East - SW Kansas Ave and SW Jackson St; South - SW 17th Street. This cost estimate reflects a portion of a total budget of \$3,041,000.
39	Investigation and Observation Danbury Court, Plats C3 and D3		\$166,451.00								See Map No. 22. Project area generally bound as follows: North - Union Pacific RR on south bank of Kansas River; West - SW Fairlawn Road; East - 75 Highway and SW Danbury Lane; South - SW 6th Ave



City of Topeka Utilities  
CIP/CIB Wastewater and Lining Replacement Forecast


Column Letter <span>—————&gt;</span>											
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
40	Investigation and Observation, Plats D9 and E9		\$324,325.00								See Map Nos. 23 and 24. Project area generally bound as follows: North - 70 Highway; West - SW Quinton Ave and SW Clay Street; East - SW Topeka Blvd and SW Polk Street; South - SW 8th Ave
41	Investigation and Observation, Plats D10, E10, and F10		\$396,617.00								See Map Nos. 23 and 25. Project area generally bound as follows: North - NW Crane St; West - SW Topeka Blvd and SW Harrison Street; East - N Kansas Ave and 70 Highway and SE Monroe St; South - SE 11th St
42	Investigation and Observation, Plats G11 and G12		\$204,366.00								See Map Nos. 23 and 26. Project area generally bound as follows: North - SE 10th Ave; West - SE Adams St and SE Branner Trafficway; East - SE Lafayette St; South - SE 15th St
43	Sewer Lining Project, Plat I11 (Phase 1 of 2)		\$1,534,241.00	8,961	4,247	4,714	38	5	43	9.02	See Map No. 28. Project area generally bound as follows: North - SE 21st St; West - SE Adams St; East - SE Indiana Ave; South - SE 25th St. This cost estimate reflects a portion of a total budget of \$2,194,000.



City of Topeka Utilities  
CIP/CIB Wastewater Interceptor Maintenance and Rehabilitation Program

	Column Letter <span>→</span>	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
72	Annual Wastewater Interceptor Rehabilitation & Replacement Program										
73	2021 Annual Wastewater Interceptor Rehabilitation & Replacement Program										
74	Budget	\$2,500,000.00									
75	Finance Cost Estimate	\$75,000.00									
76	Total for Projects	\$2,200,000.00									
77	Total (Finance Cost + Project Cost)	\$2,275,000.00									
78	Available/Contingency Amount	\$225,000.00									
79	Investigation and Observation Soldier Creek Interceptor		\$142,000.00								See Map No. 27.
80	Sanitary Sewer Rehab and Replacement: Chandler - 10th and Lawrence		\$1,100,000.00	1,107	788	319	0	4	4		Chandler Interceptor spot repair near the intersection of SE 10th St and SE Lawrence Ave
81	Roosevelt & Crosstown Interceptor Rehab/Repair - along Collins Ave and Ward Creek from Munson to Southwest Reynolds (Out to Bid). Phase 2		\$708,000.00	695	0	695	2	0	2		Along Collins Ave from Munson to the extension of Collins to 10th St.
82	Roosevelt & Crosstown Interceptor Rehab/Repair - along Collins Ave and Ward Creek from Munson to Southwest Reynolds (Out to Bid). Phase 3		\$250,000.00	245	0	245	2	0	2		Along Collins Ave from Munson to the extension of Collins to 10th St.
83	2022 Annual Wastewater Interceptor Rehabilitation & Replacement Program										
84	Budget	\$1,500,000.00									
85	Finance Cost Estimate	\$45,000.00									
86	Total for Projects	\$1,305,000.00									
87	Total (Finance Cost + Project Cost)	\$1,350,000.00									
88	Available/Contingency Amount	\$150,000.00									
89	Sanitary sewer rehabilitation: NE State between NE Chandler St . & NE Lake St (Phase 1)		\$1,305,000.00	879	459	411	0	3	3	NA	Project originated from maintenance staff as an urgent repair. NE State between NE Chandler St . & NE Lake St
90	2023 Annual Wastewater Interceptor Rehabilitation & Replacement Program										
91	Budget	\$2,000,000.00									
92	Finance Cost Estimate	\$60,000.00									
93	Total for Projects	\$1,740,000.00									
94	Total (Finance Cost + Project Cost)	\$1,800,000.00									
95	Available/Contingency Amount	\$200,000.00									
96	Sanitary sewer rehabilitation: NE State between NE Chandler St . & NE Lake St (Phase 2)		\$155,000.00	104	54	49	0	0	0	NA	Project originated from maintenance staff as an urgent repair. NE State between NE Chandler St . & NE Lake St


City of Topeka Utilities  
CIP/CIB Wastewater Interceptor Maintenance and Rehabilitation Program

	Column Letter 	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
97	Crosstown Interceptor Phase 1		\$1,585,000.00	2,401	0	2,401	7	0	7	7.84	Project area generally bound as follows: North - SW 8th St; south along SW Reynolds Drive to SW Munson Ave; south along SW Collins Ave to SW Huntoon St; south along SW Collins Ave to SW 17th Street. This cost estimate reflects a portion of a total cost estimate of \$3,935,000.
98	2024 Annual Wastewater Interceptor Rehabilitation & Replacement Program										
99	Budget	\$5,000,000.00									
100	Finance Cost Estimate	\$150,000.00									
101	Total for Projects	\$4,350,000.00									
102	Total (Finance Cost + Project Cost)	\$4,500,000.00									
103	Available/Contingency Amount	\$500,000.00									
104	Crosstown Interceptor Phase 2		\$2,350,000.00	3,559	0	3,559	11	0	11	7.84	Project area generally bound as follows: North - SW 8th St; south along SW Reynolds Drive to SW Munson Ave; south along SW Collins Ave to SW Huntoon St; south along SW Collins Ave to SW 17th Street. This cost estimate reflects a portion of a total cost estimate of \$3,935,000.
105	Roosevelt Interceptor Rehab Phase 1		\$2,000,000.00	4,421	0	4,421	11	0	11	6.20	Project area generally bound as follows: North - SW 8th St; south along SW Reynolds Drive to SW Munson Ave; south along SW Collins Ave to SW Huntoon St; south along SW Collins Ave to SW 17th Street. This cost estimate reflects a portion of a total cost estimate of \$2,358,000.

City of Topeka Utilities  
CIP/CIB Wastewater Forcemain Rehabilitation and Replacement Program

	Column Letter <span>→</span>	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
134	Annual Wastewater Forcemain Rehabilitation & Replacement Program										
135	2021 Annual Wastewater Forcemain Rehabilitation & Replacement Program										
136	Budget	\$5,000,000.00									
137	Finance Cost Estimate	\$150,000.00									
138	Total for Projects	\$4,350,000.00									
139	Total (Finance Cost + Project Cost)	\$4,500,000.00									
140	Available/Contingency Amount	\$500,000.00									
141	Grant Jefferson Force Main Rehabilitation - Phase I		\$4,350,000.00	4,380	4,380					Not applicable	See Map No. 1. From the Grant-Jefferson Pump Station (at the intersection of NE Grant and NE Jefferson) - extending to the east, under the Kansas River and terminating at the headworks of the Oakland Wastewater Treatment Plant. This cost estimate reflects a portion of a total cost estimate of \$6,007,000.
142	2022 Annual Wastewater Forcemain Rehabilitation & Replacement Program										
143	Budget	\$5,000,000.00									
144	Finance Cost Estimate	\$150,000.00									
145	Total for Projects	\$4,350,000.00									
146	Total (Finance Cost + Project Cost)	\$4,500,000.00									
147	Available/Contingency Amount	\$500,000.00									
148	Grant Jefferson Phase II		\$1,657,000.00	1,670	1,670					Not applicable	See Map No. 1. From the Grant-Jefferson Pump Station (at the intersection of NE Grant and NE Jefferson) - extending to the east, under the Kansas River and terminating at the headworks of the Oakland Wastewater Treatment Plant. This cost estimate reflects a portion of a total cost estimate of \$6,007,000.
149	Shunga Forcemain Phase I		\$2,693,000.00	3,432	1,716	1,716				Not applicable	See Map No. 1. From the Shunga Pump Station continuing north through Big Shunga Park and along SW Randolph to SW 21st St. then jogging west to SW Webster and ending halfway between 18th and 19th. This cost estimate reflects a portion of a total cost estimate of \$11,164,500.
150	2023 Annual Wastewater Forcemain Rehabilitation & Replacement Program										
151	Budget	\$5,000,000.00									
152	Finance Cost Estimate	\$150,000.00									
153	Total for Projects	\$4,350,000.00									
154	Total (Finance Cost + Project Cost)	\$4,500,000.00									
155	Available/Contingency Amount	\$500,000.00									

City of Topeka Utilities  
CIP/CIB Wastewater Forcemain Rehabilitation and Replacement Program

	Column Letter 	C	E	F	G	H	I	J	K	L	O
Line No.	Program and Projects	Finance (\$)	Estimate (\$)	Total Linear FT of Improvements	FT of Replacement Pipe	FT of Lining (CIPP)	Manholes Rehabilitated (Number)	Manholes Replaced (Number)	Total Manholes Improved	Business Risk Exposure Score [ Low: < 8.0; Medium: >= 8.0 to 16.0; High: >= 16.0 ]	Comments & Location/Notes
156	Shunga FM Phase II		\$4,350,000.00	5,577	2,788	2,788				Not applicable	See Map No. 1. From the Shunga Pump Station continuing north through Big Shunga Park and along SW Randolph to SW 21st St. then jogging west to SW Webster and ending halfway between 18th and 19th. This cost estimate reflects a portion of a total cost estimate of \$11,164,500.
157	2024 Annual Wastewater Forcemain Rehabilitation & Replacement Program										
158	Budget	\$5,000,000.00									
159	Finance Cost Estimate	\$150,000.00									
160	Total for Projects	\$4,350,000.00									
161	Total (Finance Cost + Project Cost)	\$4,500,000.00									
162	Available/Contingency Amount	\$500,000.00									
163	Shunga FM Phase III		\$4,121,500.00	5,291	2,646	2,646				Not applicable	See Map No. 1. From the Shunga Pump Station continuing north through Big Shunga Park and along SW Randolph to SW 21st St. then jogging west to SW Webster and ending halfway between 18th and 19th. This cost estimate reflects a portion of a total cost estimate of \$11,164,500.
164	South Kansas Forcemain - 36" to NTWWTP, Phase I		\$228,500.00	132	132						See Map No. 1. From the South Kansas River PS (just east of I-70 and NW MacVicar Ave) under the Kansas River to the North Topeka WWTP. This cost estimate reflects a portion of a total cost estimate of \$5,189,000.

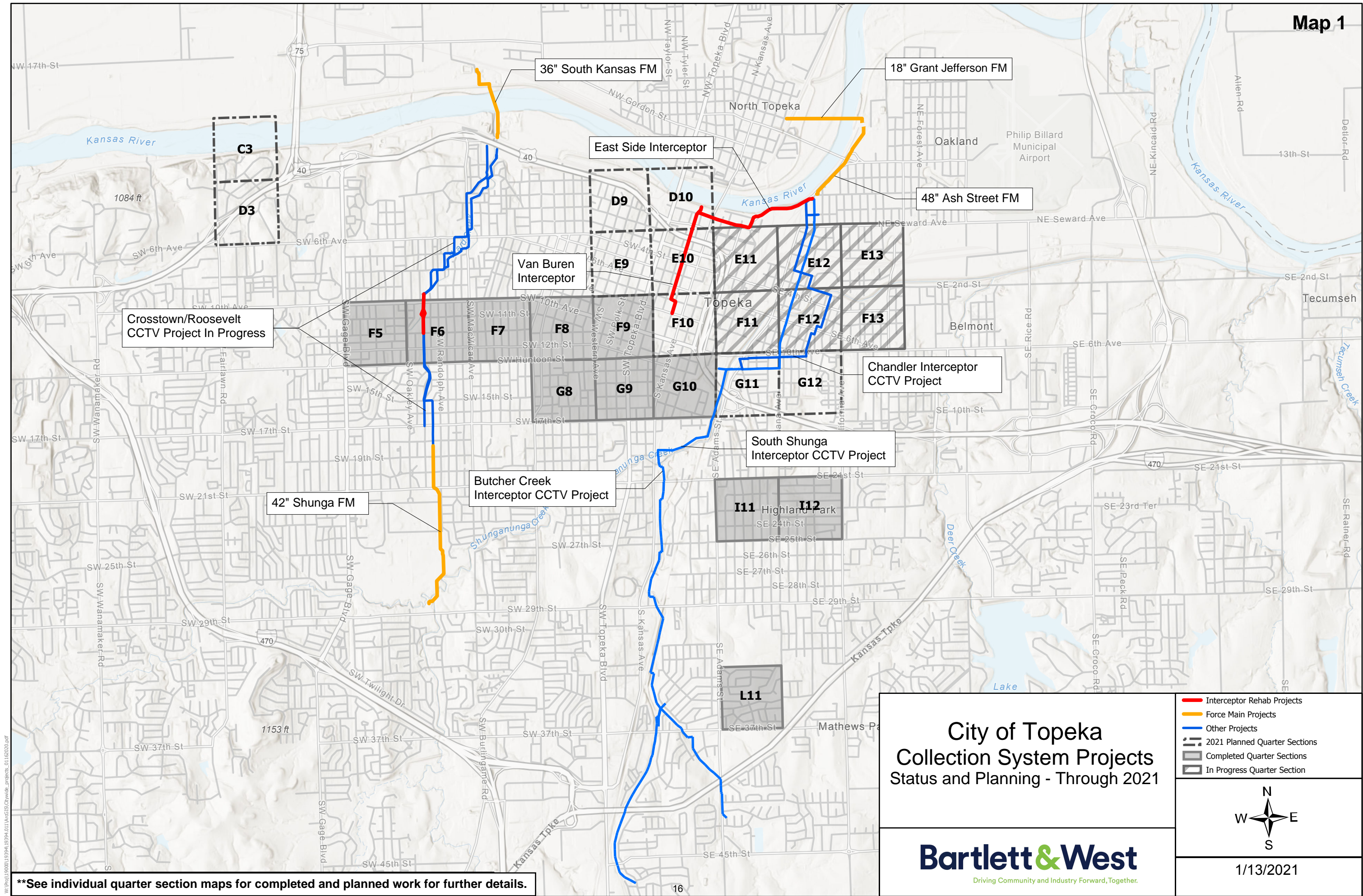
## Water Main Replacement Program

		2020 Main Replacement Program											
		Project		Estimate	Year	LF	Size	Material	Breaks	Cost of Breaks	Notes		
1	T-281122.09	Oakley Ave - 18th to 21st		\$865,145.60		3700	6",8"	CI	48	\$128,888.00	High break count		Complete
2	T-281122.10	Gamwell, Nottingham		\$380,000.00		2600	6",8"	CI	47	\$104,189.00	High break count		Design
		Total		\$1,245,145.60		6300							
		2021 Main Replacement Program											
		Project	Finance	Estimate	Year	LF	Size	Material	Breaks	Cost of Breaks	Notes	Priority	Status
		Program											
	Project No.	2021 Water Main Replacement Program	\$6,500,000.00										
	T-281205.00	Finance Cost Estimate		\$187,500.00									
1	T-281205.01	US 24, Tyler to Rochester Connection		\$193,640.22	New	280	12"	-	-	-	-	✓	Complete
2	T-281205.02	Morrill Rd Relocation - Reimburse by county		\$0.00	New	671	6"	-	-	-	-	✓	Complete
3	T-281205.03	45th Street		\$276,272.00	1992	555	12",8",6"	DI	-	-	County Relocation	✓	Construction
4	T-281205.04	SW Ashworth Pl SW Huntoon to Arrowhead Rd		\$492,500.00	1992	1300	8"	DI	19	\$67,066.00	High break count/BRE	✓	Construction
5	T-281205.05	Quincy St - SE 6th St to 8th St		\$411,000.00	1905	1145	10",4"	CI	9	\$124,110.00	High break count/BRE	✓	Design
6	T-281205.06	12th St. Waterline relocation - Gage to Kansas		\$2,000,000.00	1900's	7000	4",6",8"	CI	17	\$149,876.00	High break count/BRE	✓	Construction Phase
7	T-281205.07	21st & Topeka Blvd		\$575,000.00	1950's	1321	12"	CI	7	\$229,804.00	High cost of repairs	✓	Design
8	T-281205.08	SW 5th & Western Waterline Relocation		\$350,000.00	1883	300	6",12",14"	CI	6	\$32,897.00	High cost of repairs	✓	Design
9	T-281205.09	NE Crane St. - Monroe & Madison from Crane to 1st		\$960,000.00	1933	2000	10"	CI	15	\$103,192.00	High BRE	✓	Design
10	T-281205.10	Moundview Ph I		\$28,500.00	1994	1300	6"	DI	5	\$58,776.00	High cost of maintenance	✓	Design
11	T-281205.11	Gamwell, Nottingham PH II		\$610,000.00	1978	2600	6",8"	CI	47	\$104,189.00	High break count	✓	Construction
12	T-281205.12	NW 25th St - Goodyear		\$100,000.00	New	NA	12" Valve	PVC	-	-	Separation of main	✓	Design
13	T-281205.13	SW 11th St - SW Oakley Ave to SW Billard Ave		\$50,000.00	New	285	2"	PVC	-	-	-	✓	Design
		Total	\$6,500,000.00	\$6,234,412.22		18757							
		Available/Contingency Amount	\$265,587.78										
		2022 Main Replacement Program											
		Project	Finance	Estimate	Year	LF	Size	Material	Breaks	Cost of Breaks	Notes	Priority	Status
	Project No.	2022 Water Main Replacement Program	\$6,500,000.00										
	T-281225.00	Finance Cost Estimate		\$195,000.00									
1	T-281225.01	Danbury/Yorkshire		\$1,200,000.00	1950's	4770	6"	CI	19	\$102,142.00	High break count/COF	✓	Design
2	T-281225.02	Villa West Drive - from 25th St to 27th St		\$1,336,000.00	1986	4600	8"	DI	22	\$128,424.00	High break count/COF	✓	Design
3	T-281225.03	Quincy St - SE 8th St to 10th St		\$45,000.00	1905	800	10"	CI	10	\$65,817.00	High break count	✓	Design
4	T-281225.04	NW Tyler - Lyman Rd to Paramore St		\$650,000.00	1968	4500	8"	PVC	-	-	Part of Roadway/Sidewalk Project	✓	Design
5	T-281225.05	Edgewater Ter		\$650,000.00	1952	2800	2",6"	CI	41	\$158,555.00	High break count	✓	Design
6	T-281225.06	N Kansas & NE Norris to Curtis Ph II		\$80,000.00	1926	650	10"	CI	3	-		✓	Construction
7		SW Jackson St - SW 8th St to SW 10th St		\$180,000.00	1904	1200	10"	CI	9	\$47,899.00	High break count/Repair/	High	Proposed
8		SW 21st - SW Washburn Ave to SW Fillmore St		\$750,000.00	1920	2300	12"	CI			High COF/BRE	✓	Proposed
9		Brewster Place		\$158,000.00	1977	460	6"	PVC	NEW	-	-	✓	Proposed
10		Westridge Mall		\$508,000.00	1989	1700	8"	DI	7	\$18,222.00	High COF/BRE	✓	Proposed
11		Denny's - 1518 SW Westport Dr.		\$90,000.00	1989	300	8"	DI	9	\$75,681.00	High COF/BRE	✓	Planning
12		Sherwood Crossing Center		\$25,000.00	1981	150	8"	DI	0	-	WL found to be too Shallow	✓	On Hold
13		Meier - NW Hwy 24 Rd		\$205,000.00	NEW	1750	2"	PVC	NEW	-	-	✓	Proposed
				\$6,072,000.00		25980							
		Total	\$6,500,000.00										
		Available	\$428,000.00										
		2023 Main Replacement Program											
		Project	Finance	Estimate	Year	LF	Size	Material	Breaks	Cost of Breaks	Notes	Priority	Status
		Program											
	Project No.	2023 Water Main Replacement Program	\$6,500,000.00										
	T-2812XX.XX	Finance Cost Estimate		\$195,000.00									
1		SW Brentwood Rd - SW Westhills Dr to SW Brentwood Ct		\$775,000.00	1958/61	3100	6"/12"	CI	15		High COF/BRE	High	Proposed
2		Woodglen St, Arvonias PL, & SW 38th Pl		\$837,000.00	1988/88/83	2530	6"/6"/4"	DI	22	\$ 128,424.00	High break count/COF	High	Proposed
3		SE Gemini Ave & SE Aries,		\$706,000.00	1986	1600	6"	DI	21	TBD	High COF/BRE	✓	Proposed
4		White Lakes Mall - Along Kansas Ave		\$397,500.00	NEW	1300	8"	PVC	-	-	Improvement		Proposed
5		Montara Northway - PHASE I, II, & III		\$1,680,000.00	1966	7000	6"	CI	16	\$59,915.00	High break count	✓	Proposed
6		Quincy St - SE 8th St to 10th St - Ref. T-281225.03		\$280,000.00	1956	1200	6"	CI	18	\$42,408.00	High break count	✓	Planning
7		SE 29th St - S Kansas Ave to SE Adams		\$990,000.00	1953	3300	10"	CI	22 +	\$188,233.00	High break count	✓	Proposed

# Water Main Replacement Program

[illegible]












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**\*\*See individual quarter section maps for completed and planned work for further details.**

### City of Topeka Collection System Projects Status and Planning - Through 2021



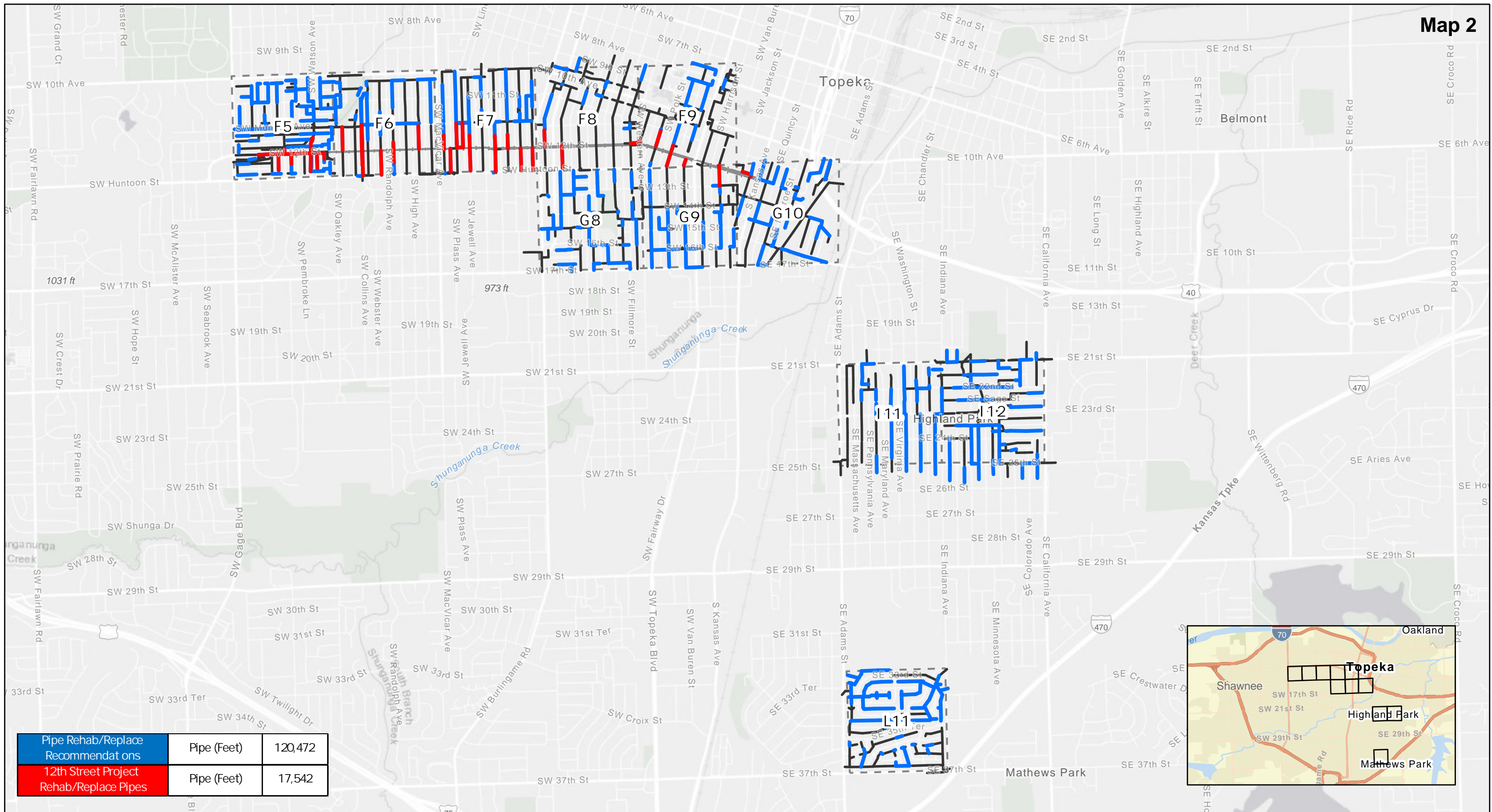
Driving Community and Industry Forward, Together.

-  Interceptor Rehab Projects
-  Force Main Projects
-  Other Projects
-  2021 Planned Quarter Sections
-  Completed Quarter Sections
-  In Progress Quarter Section

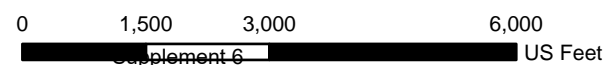







1/13/2021



City of Topeka  
Plat Overview

## Sanitary Sewer Improvements



-  12th Street Pipe Rehab/Replace Recommendations  
 Remaining Pipe Rehab/Replace Recommendation  
 No Action Required  
 12th St. Project Limits  
 Quad Boundary