



**2019-2024
Comprehensive
Capital
Improvement
Program**



Summary

The City of Newton, Kansas develops a capital improvement program to assist with community planning, establish financial capacity, and guide physical development. The program is a tool used by staff and elected officials to plan for the future and share with the community.

This document was established to layout the priorities for the next five years, however a longer range of improvements into the more distant future were considered throughout the process. Projects or equipment purchases are considered for the program from general fund and revenue fund departments and often outside agencies, i.e. recreation and library boards. Generally, a project is only considered for the capital improvement program (CIP) if there are no operating budget funds available for the improvement and if the cost of the item exceeds ten thousand dollars. However, there are exceptions and projects are included sometimes that don't meet those criteria as a reminder that there are other important projects that require scheduling around daily operations and with other capital jobs. The CIP proposes estimated project costs, financing options, potential funding partners, and project schedules.

Staff prepares a list of potential projects generated from department needs (via a request template), citizen requests, commission comments, outside agency desires, and overall staff input. The list of projects is then ranked based on three categories: Condition and Structural Integrity, Critical Infrastructure, and Community Need (according to our belief statements) as shown below.

Rank	Condition / Structural Integrity	Critical Infrastructure	Community Need (Beliefs)	Rank
3	Failing	Critical	Meets 6-7 Beliefs	3
2	Signs of Decay	Very Important	Meets 4-5 Beliefs	2
1	Needs Maintenance	Important	Meets 2-3 Beliefs	1
0	Good or No Structure Yet	Non-Essential	Meets 0-1 Beliefs	0

Condition/Structural Integrity
Rank Determined by Engineering Staff

Hierarchy for Critical Infrastructure	
Rank	As defined by Presidential Directive, Critical Infrastructure includes:
3	Emergency Services, Water Supply, Wastewater, Surface Water Drainage, Energy, Transportation Systems (interpreted as arterials, collectors, bridges, airports, and railways), Telecommunications, Banking and Finance.
	There is no clear definition to rank other infrastructure, but generally are viewed as follows:
2	Very Important: Residential Streets, Sanitation
1	Important: Entertainment, Recreation, Activity Areas, Alleys, Historic Preservation
0	Non-Essential Infrastructure: Artwork, Vegetation

City's Statement of Beliefs
Growth of the community - residential, commercial and industrial growth
Quality of life - attractive place to live and work, with arts and culture, parks and recreation, entertainment, high-quality education, and other amenities
Health and safety - ensuring citizen well-being, from clean drinking water and safe roadways to police and fire protection
Respect for the environment - minimize impact to nature through energy efficiency and resource conservation
Civic engagement - citizen involvement through dialogue and leadership development
Fiscal responsibility - managing resources wisely, effectively preparing for the future, and serving as conscientious stewards of taxpayer dollars
Progressive, innovative solutions - explore new ways of doing business, tech. innovations, and creative ideas to better serve the community

The condition and structural integrity of each project is ranked using the scale shown above by engineering staff. The critical infrastructure ranking is determined based on the presidential directive shown above. Key staff ranks the projects in the community beliefs category using the statement of beliefs developed by the city commission. Once all of the projects are ranked, the top priorities are listed within the five year period being considered. The cost of the projects that are intended for bonding are then included in the debt service calculations of the city budget for the upcoming years as debt limit and requirements of the city commission allows.

As this program is a planning tool, it is possible that other projects come up in addition to those ranked as priority. It is also possible that factors like grant funds, development needs, etc. may cause these and other projects to escalate in priority after the publishing of this document. It is a program in constant process, developed to change with the needs and desires of the population. Without a plan Newton will make no progress, but with a plan steps will be made toward a better community.

See attached for the priority project list and accompanying project pages. The project list is categorized by ranking and year of proposed project. Project pages were developed for those projects ranking at an 8 or 7, except airport and recreation related projects which are undergoing a CIP update through their master planning efforts. Pages will be added later for those projects on the list as proposed years and cost estimates are refined.

Funding Partners

In order to maximize our local dollars, staff is constantly looking for grant and low interest loan funding opportunities. Partnering with the state of Kansas (KDHE, KDOT, Kansas Water Office/SFLF) and the federal government (FAA) for supplements to local funds is essential to completing the capital project list. We also have other local government agencies that the city works with to fund projects like Harvey County, the Newton Recreation Commission, the Newton Kansas Public Building Commission, etc..

Impact on the 2020 Operating Budget

Capital projects can impact future operating budgets either positively or negatively due to an increase or decrease in staffing required for operations, maintenance costs, or by providing capacity for new programs or services. Alternately, a project that renovates an existing facility may reduce operating expenditures due to a decrease in necessary maintenance or utility costs. As an example, savings in reduced energy costs typically result from upgrades to the heating ventilation and air conditioning systems of buildings. One thing is certain, delaying projects like paving improvements only increases costs because a more invasive repair maybe necessary as additional years of degradation to the pavement occur. Also, underground utilities tend to be out of sight--out of mind to the general population, but lack of major maintenance and repair to these lines via capital projects will escalate the costs in the future. All public infrastructure has a useful life and will eventually need to be replaced, therefore, we must plan for those replacements.

Although the list that you will find following this narrative seems quite exhaustive, this is merely the list of projects that ranked as an 8, 7, or 6. There are many other proposed projects throughout the City of Newton that did not rank as high as these. Also, just because a project is shown on the list does not guarantee it will be built in the year proposed. The design portion of a project may begin, but the actual bidding of construction services for a project that is to be bonded requires city commission approval before a project is awarded.

As is evident by the lengthy list, there are many more needs than dollars will allow. A sophisticated approach to shuffling of the available resources is necessary to keep a city of Newton's size moving forward with the necessary new projects while maintaining the existing infrastructure for safe and efficient public service to our citizens.

CITY OF NEWTON
COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM 2019-2024

CIP Category Ranking determined by attached Guidelines																
2019 Rank determined by adding the three category columns for a result between 0 and 9, with 9 being highest priority																
Condition / Structural Integrity	Critical Infrastructure	Community Need (Beliefs)	Beliefs Met	2019 Rank	Proposed Construction Year	CIP Tracking Number	CIP PROJECT NAME	CATEGORY	STATUS	City Funding Source	Other Funding Source	COST ESTIMATE	CITY'S COST General Fund	CITY'S COST Revenue Fund	CITY (%)	COMMENTS
Underway																
3	3	2	1,3,6,7	8	2019-20	B1802	Police Department Renovation	Buildings	Approved	General	County	\$ 3,129,501	\$ 2,121,948		68%	Construction beginning soon
3	3	2	1,3,5,7	8	2019	W1306	Airport Water Line Extension: Hillside - Oliver	Water	Proposed	Water		\$ 970,000		\$ 970,000	100%	E. Side Water Study, Serve new industry at airport, acquiring ROW
3	3	1	2,3,4	7	2019-20	W1101	1st Street Water Storage Tank Replacement	Water	Design	Water		\$ 3,200,000		\$ 3,200,000	100%	Install 2-1.9MG Water Tanks & Remove 3.8MG tank, acquiring ROW now
2	3	2	1,3,4,5	7	2019	S1802	8th & Sand Creek Sewer Main Upsizing	Sewer	Approved	Sewer		\$ 1,200,000		\$ 1,200,000	100%	Improvements to Increase Collection Capacity (Basin A-6), from 2017 Master Plan Update
3	3	2	1,3,4,6,7	8	2019	S1901	Old Main Sewer Upsizing Basin B-5	Sewer	Approved	Sewer		\$ 1,600,000		\$ 1,600,000	100%	Old Main: Brookside to SW 12th, to open up other development along 14th
0	3	2	1,3,4,6,7	5	2019	D1901	Suderman Drainage Detention Pond	Drainage	Proposed	Sewer		\$ 160,000	\$ 160,000		100%	Low bidder is Unruh Excavation, build in May
													\$ 2,281,948	\$ 6,970,000		
2019																
2	3	2	3,4,6,7	7	2019	B1303	Service Center Shop Main Bldg. Thermal Windows	Buildings	Proposed	General		\$ 30,000	\$ 30,000		100%	Replace single pane windows with thermal option, use in-house staff for replacement
2	1	2	1,2,3,4	5	2019	B1604	Library Cooling Tower	Buildings	Proposed	General		\$ 20,000	\$ 20,000		100%	Library Maintenance Plan
					2019	ABM	Hangar A Electrical Reconstruction	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar J Carpet Office	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar J New Roof	Buildings	Proposed	Airport	HV Cty	\$ 43,000	\$ 21,500		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar K HVAC x 2	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar K Paint	Buildings	Proposed	Airport	HV Cty	\$ 15,000	\$ 7,500		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar C Paint	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
					2019	ABM	Hangar D Paint	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
0	3	2	1,2,3,6	5	2019-20	W1904	Water Main Extension: West side of Kansas - Wheatridge to Quail	Water	Proposed	Water		\$ 170,000		\$ 170,000	100%	To serve Occidental Development
1	1	2	1,2,6,7	4	2019	P1602	Meridian Center Roundabout Beautification	Parks	Proposed	General	Transient	\$ 129,000	\$ 129,000		100%	Park Master Plan
													\$ 233,000	\$ 170,000		
2020																
3	3	2	1,3,5,7	8	2020	T1503	Wheatridge Dr & Paddington Ave - Paving Extension	Street	Proposed	General		\$ 3,108,000	\$ 3,108,000		100%	Design complete, R/W needed from 1 property owner--developer, could charge some cost to development
2	3	2	1,2,3,5	7	2020	T1102	S. Kansas: SE 24th to SE 36th St. - Mill & Overlay	Street	Proposed	Sales Tax	KDOT-Fed	\$ 575,000	\$ 575,000		100%	Deteriorating condition
2	3	2	1,2,3,5	7	2020	T1601	1st St: Main west to Railroad - Mill & Overlay	Street	Proposed	General		\$ 135,000	\$ 135,000		100%	
2	2	2	1,3,4,6	6	2020	T2006	West 1st Street: Meridian to West Rd - Mill & Overlay	Street	Proposed	General		\$ 210,000	\$ 210,000		100%	
2	2	2	1,3,4,6	6	2020	T2007	Sharps Drive: Boyd to Meridian - Mill & Overlay	Street	Proposed	General		\$ 104,000	\$ 104,000		100%	
2	2	2	1,2,3,6	6	2020	T2008	12th Street: Sand Creek to Walnut - Reconstruction	Street	Proposed	General	KDOT	\$ 781,300	\$ 751,300		96%	
					2020	T2009	Quail Creek Ave at S. Kansas: Intersection Signalization	Street	Proposed	General		\$ 572,100	\$ 572,100		100%	To serve Occidental Development
2	3	1	1,3,6	6	2020	A1602	Airport - Design Parallel Taxiway E	Airport	Proposed	General	FAA/HV Cty	\$ 1,015,800	\$ 50,790		5%	May change due to ACIP Changes coming w/FAA, design only
3	3	1	1,3,6	7	2020	ACIP	Reconstruct Taxiway E, Elec. & Marking Design	Airport	Proposed	Airport	HV Cty	\$ 202,600	\$ 10,130		5%	May change due to ACIP Changes coming w/FAA, design only
3	3	1	3,4,6	7	2020	A1703	Airport: Hesston College Building Roof (Hangar K)	Buildings	Proposed	Airport		\$ 35,000	\$ 17,500		50%	In Airport Building Maintenance CIP
					2020	ABM	City Hall Admin Condenser Unit & Air Handler Replace to Roof Top	Buildings	Proposed	General		\$ 18,000	\$ 18,000			Unit from 1980's, may last til 2021 but doubtful
					2020	ABM	Hangar A Accordion Door	Buildings	Proposed	Airport	HV Cty	\$ 140,000	\$ 70,000		50%	In Airport Building Maintenance CIP
					2020	ABM	Hangar J Hangar Door	Buildings	Proposed	Airport	HV Cty	\$ 140,000	\$ 70,000		50%	In Airport Building Maintenance CIP
1	3	3	1,2,3,4,5,6	7	2020-21	W1202	Water Tower Painting - High School and Spencer	Water	Proposed	Water	KPWSLF	\$ 750,000		\$ 750,000	100%	Painting and repair on both towers, inspectin done in 2017 by 3rd party
2	3	1	1,2,3	6	2020	W1302	SE 4th: Pine to Kansas Water Main Upgrade	Water	Proposed	Water		\$ 65,000		\$ 65,000	100%	upgrade to 10" line 1300 l.f., ductile iron, class 52
0	3	1	1,3,4	4	2020-21	W2002	12" Water Line along Main St: 4th to 11th	Water	Proposed	Water		\$ 1,450,000		\$ 1,450,000	100%	2017 Master Plan, to improve pressure and fire flow capabilities along Main & improve operating cycles of 12th Street tower
2	1	2	1,2,3,4,5	5	2020	P1802	Athletic Park: Pool Upgrade with Splash Features	Parks	Proposed	General	NRC/USD	\$ 1,700,000	\$ 82,000		5%	Park Master Plan shows splash park, costs shown assume PBC restructure funding
0	1	2	1,2,5,6	3	2020	P2001	New Ball Field at Centennial	Parks	Proposed	PBC	NRC/USD	\$ 900,000	\$ 43,000		5%	Cost assumes PBC restructure & funding
													\$ 5,816,820	\$ 2,265,000		
2021																
3	3	2	1,2,3,4,5,6	8	2021	B1502	Park Maintenance Facility	Buildings	Proposed	General		\$ 1,750,000	\$ 1,750,000		100%	Currently leasing, new facility would use city owned land on Boyd S. of 1st Street
3	1	2	1,2,3,4	6	2021	B1103	Library Air Handler (Small - in back room - asbestos)	Buildings	Proposed	General		\$ 20,000			100%	Library Maintenance Plan
					2021	ABM	Hangar K Door-stack	Buildings	Proposed	Airport	HV Cty	\$ 125,000	\$ 62,500		50%	In Airport Building Maintenance CIP
3	3	2	2,3,4,5,6	8	2021	D1502	10th Street SWS Rehab	Drainage	Proposed	General	Sewer	\$ 60,000	\$ 60,000		100%	
3	3	2	1,2,4,5,6	8	2021	T1212	Hillside Rd Paving & Drainage Improvements - 1st to 12th	Street	Proposed	General	KDOT-Grant	\$ 2,671,000	\$ 400,650		15%	KLP Development Driven
2	3	3	1,2,3,4,5,6,7	8	2021	T1002	I-135/36th St. Interchange Improvements	Street	Proposed	General	KDOT	\$ 11,000,000	\$ 200,000		2%	Only Build once KLP ground breaking requires it. KDOT will drive this.
2	3	2	1,2,3,5	7	2021	T1702	3rd St: Walnut to Pine Brick Reconstruct	Street	Proposed	General		\$ 250,000	\$ 250,000		100%	
3	2	2	1,2,3,5	7	2021	T1801	Signal Upgrade K-15 Downtown	Street	Proposed	General		\$ 425,000	\$ 425,000		100%	Signals are old, conduit and wiring old, will try for grants thru KDOT, but no guarantee
2	3	2	1,2,3,5	7	2021	T1701	Intersection Reconstruct: Broadway at Oak & Poplar	Street	Proposed	General		\$ 150,000	\$ 150,000		100%	
2	3	2	1,2,3,5	7	2021	T2102	Broadway: Walnut to Elm	Street	Proposed	General		\$ 425,000	\$ 425,000		100%	Area 4 Mill & Overlay, Review, reconstruct may be needed, see 2025
2	3	1	2,3,5	6	2021	T2004	Walnut: 1st to 12th	Street	Proposed	General		\$ 285,000	\$ 285,000		100%	Area 3 Mill & Overlay
3	2	1	2,3,5	6	2021	T1305	Reconstruct S.E. 4th St.: Kansas to Walnut	Street	Proposed	General	CDBG	\$ 185,000	\$ 185,000		100%	Street totally deteriorated needs brick & concrete removal w/new pavement, can't overlay
2	3	1	2,3,5	6	2021	T2002	High Street: 8th to 12th	Street	Proposed	General		\$ 95,000	\$ 95,000		100%	Area 3 Mill & Overlay
3	3	1	2,3,5	7	2021	W1201	New Water Line Infrastructure in Athletic Park	Parks	Proposed	Water	General	\$ 150,000		\$ 150,000	100%	Replace decayed water lines throughout Athletic Park
2	3	1	1,3,6	6	2021	A1701	Airport: Construct Parallel Taxiway E (Phase 1)	Airport	Proposed	General	FAA/HV Cty	\$ 3,418,900	\$ 170,945		5%	May change due to ACIP Changes coming w/FAA
3	3	1	1,3,6	7	2021	ACIP	Reconstruct Taxiway E, Elec. & Marking (Phase 1)	Airport	Proposed	Airport	HV Cty	\$ 620,500	\$ 31,025		5%	May change due to ACIP Changes coming w/FAA
2	3	1	2,3,4	6	2021	W1305	Water Tower Painting - Newton Medical Center	Water	Proposed	Water	KPWSLF	\$ 220,000	\$ 30,000	\$ 190,000	86%	Painting and repair on all towers, NMC pay for portion of painting

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												\$ 4,520,120	\$ 340,000			
2022																
					2022	ABM	Hangar A Roof	Buildings	Proposed	Airport	HV Cty	\$ 50,000	\$ 25,000		50%	In Airport Building Maintenance CIP
					2022	ABM	Hangar A Painting	Buildings	Proposed	Airport	HV Cty	\$ 17,000	\$ 8,500		50%	In Airport Building Maintenance CIP
					2022	ABM	Main Terminal Glass Wall & Door	Buildings	Proposed	Airport	HV Cty	\$ 25,000	\$ 12,500		50%	In Airport Building Maintenance CIP
					2022	ABM	Main Terminal Bathroom Upgrades	Buildings	Proposed	Airport	HV Cty	\$ 15,000	\$ 7,500		50%	In Airport Building Maintenance CIP
					2022	ABM	Hangar C Roof	Buildings	Proposed	Airport	HV Cty	\$ 35,000	\$ 17,500		50%	Flat modified gravel, in Airport Bldg Maint. CIP
					2022	ABM	Hangar D Roof	Buildings	Proposed	Airport	HV Cty	\$ 40,000	\$ 20,000		50%	Flat modified gravel, in Airport Bldg Maint. CIP
					2022	ABM	Hangar B Painting	Buildings	Proposed	Airport	HV Cty	\$ 10,000	\$ 5,000		50%	In Airport Building Maintenance CIP
					2022	ABM	Hangar T's Painting	Buildings	Proposed	Airport	HV Cty	\$ 30,000	\$ 15,000		50%	gaps, allow overspray, in Airport Bldg Maint. CIP
3	3	2	1,2,3,5	8	2022	T2003	Spencer Rd: 12th to City Limits	Street	Proposed	General		\$ 75,000	\$ 75,000		100%	Area 3 Mill & Overlay
2	3	2	1,2,3,5	7	2022	T2201	Kansas Ave & SE 24th Street: Intersection Improvement	Street	Proposed	General		\$ 150,000	\$ 150,000		100%	As development occurs along the 24th Street corridor intersection improvements will be needed
2	3	1	2,3,5	6	2022	T2202	K-15 Hwy: SE 14th to Old 81 Hwy - Mill & Overlay	Street	Proposed	General	KDOT	\$ 2,038,450	\$ 1,038,450		51%	Area 1 Mill & Overlay - may need to move earlier
2	3	1	2,3,5	6	2022	T2001	E. 12th Street: Walnut to Spencer	Street	Proposed	General		\$ 425,000	\$ 425,000		100%	Area 3 Mill & Overlay
2	3	2	1,3,4,5	7	2022	S1301	Improvements to Increase Collection Capacity (Basin B-1)	Sewer	Proposed	Sewer		\$ 660,000		\$ 660,000	100%	2017 Sewer Master Plan, 1st to SE 6th, E. side of tracks from 1st to Slate Creek RR Trestle, fig 6-3 of report
2	3	1	1,3,6	6	2022	A2101	Airport: Construct Parallel Taxiway E (Phase 2)	Airport	Proposed	General	FAA/HV Cty	\$ 2,260,000	\$ 113,000		5%	May change due to ACIP Changes coming w/FAA
3	3	1	1,3,6	7	2022	ACIP	Reconstruct Taxiway E Phase 2 Elec & Marking	Airport	Proposed	Airport	HV Cty	\$ 434,000	\$ 21,700		5%	May change due to ACIP Changes coming w/FAA
3	1	2	1,2,3,5	6	2022	P1001	Install Large ADA Enclosed Shelter in Athletic Park	Parks	Proposed	General	General	\$ 1,590,000	\$ 1,590,000		100%	Heating/AC, Kitchen, ADA restrooms, year-round shelter, Park Master Plan
1	3	2	1,2,5,7	6	2022	B2201	Design Gateway/Arrival Signage visible to trains	Other	Proposed	Various	Private	\$ 25,000			0%	Downtown Master Plan, Civic clubs
												\$ 3,524,150	\$ 660,000			
2023																
					2023	B	Library Air Handling Units 2-5	Buildings	Proposed	General		\$ 30,000	\$ 30,000		100%	Library Maintenance Plan, may not do all at once
2	3	2	1,3,4,5	7	2023	S1501	Improvements to Increase Collection Capacity (Basin H)	Sewer	Proposed	Sewer		\$ 667,000		\$ 667,000	100%	2005 Sewer Master Plan - Pine St & Plum St, south of Slate Creek
2	3	2	1,3,4,5	7	2023	S2001	Upsize Sewer Main along Boyd: 1st to Sharps Drive	Sewer	Proposed	Sewer		\$ 1,000,000		\$ 1,000,000	100%	Improvements to Increase Collection Capacity (Basin A-2)
2	3	2	1,3,4,5	7	2023	S1101	8" Pipe Bursting under I-135 to Caperland	Sewer	Proposed	Sewer		\$ 500,000		\$ 500,000	100%	Old line, only discharge from Caperland area, needs attention
0	3	2	1,3,4,6	5	2023	S2101	Install Sewer Interceptor East of WWTF (Basin B&C)	Sewer	Proposed	Sewer		\$ 425,000		\$ 425,000	100%	2017 Sewer Master Plan, add 24" main to relieve the 30" serving both basins B&C
2	3	2	2,3,4,5,6	7	2023	D1501	1st Street Dam Rehabilitation	Drainage	Proposed	General		\$ 600,000	\$ 600,000		100%	Rubber Dam experiencing some vandalism and has extended past it's useful life, replace bladder
3	0	2	1,2,3,4,6	5	2023	W1902	NE Transmission Main	Water	Proposed	Water	SRLF	\$ 1,750,000		\$ 1,750,000	100%	2017 Water-Sewer Master Plan, 12" 12th St: Walnut-Spencer, Spencer: 12th-1st
0	3	1	1,3,4	4	2023	W1801	12" Water Main Spencer Road: SE 9th to E. 1st	Water	Proposed	Water	SRLF	\$ 700,000		\$ 700,000	100%	See W1902
1	3	2	1,2,3,4,5	6	2023	T2005	Kansas Ave. & Medical Center Drive: Left Turn Lanes	Street	Proposed	General		\$ 305,000	\$ 305,000		100%	Traffic Study predicts that the capacity will require N. & S. bound left turn lanes & double left turn E. bound
2	1	3	1,2,3,4,5,7	6	2023	P1702	Washington Park: Restrooms, Concessions	Parks	Proposed	General		\$ 250,000	\$ 250,000		100%	Park Master Plan says \$468,165
2	3	1	1,3,6	6	2023	A1801	Airport: Construct Parallel Taxiway E (Phase 3)	Airport	Proposed	General	FAA/HV Co	\$ 2,512,700	\$ 125,635		5%	May change due to ACIP Changes coming w/FAA
					2023	ACIP	Reconstruct Taxiway E Phase 3 Elec & Marking	Airport	Proposed	Airport	HV Cty	\$ 523,000	\$ 26,150		5%	May change due to ACIP Changes coming w/FAA
												\$ 1,336,785	\$ 5,042,000			
2024																
2	1	2	1,2,3,4	5	2024	B2001	Library Electronic Humidifier	Buildings	Proposed	General		\$ 10,000	\$ 10,000		100%	Library Maintenance Plan
3	1	3	1,2,3,4,5,7	7	2024	T1304	Bike Path Extension: SW 14th to WWTP	Street/Park	Proposed	Sales Tax	KDWP	\$ 374,353	\$ 74,871		20%	Applying for grants to make bike path connection
3	1	3	1,2,3,4,5,7	7	2024	T1404	Bike Path Extension: S Kansas, SE 36th to Duncan	Street/Park	Proposed	Sales Tax		\$ 407,564	\$ 407,564		100%	
1	3	2	1,2,3,4,5	6	2024	T2301	Kansas Ave. & 36th Street: Signals	Street	Proposed	General		\$ 125,000	\$ 125,000		100%	Traffic Study shows that signals will be necessary at this intersection in 2023-2027
0	3	1	2,3,5	4	2024	W1903	Water Line along Kansas Ave to Centennial Park	Water	Proposed	Water		\$ 500,000		\$ 500,000	100%	
2	3	1	1,3,6	6	2024	A2001	Airport: Reconstruct T-Hangar Taxilanes	Airport	Proposed	General	FAA/HV Co	\$ 1,215,500	\$ 60,775		5%	May change due to ACIP Changes coming w/FAA
2	1	3	1,2,3,4,5,7	6	2024	P1701	Washington Park Field Lights	Park	Proposed	PBC/NRC		\$ 135,000	\$ 60,000		44%	No agreement to assure funding partners
					2024	PBC	Replace Fischer Field Turf	Park	Proposed	PBC		\$ 425,000				
												\$ 738,210	\$ 500,000			
Future																
					2025	A2201	Expand Terminal Apron (East of T-Hangars)	Airport	Proposed	General	FAA	\$ 4,095,700	\$ 204,785		5%	May change due to ACIP Changes coming w/FAA
2	3	2	1,3,4,5	7	2025	S1401	Improvements to Increase Collection Capacity (Basin E)	Sewer	Proposed	Sewer		\$ 820,000		\$ 820,000	100%	2005 Sewer Master Plan - 8th St & 10th St, east of Sand Creek
3	1	3	1,2,3,4,5,7	7	2025	T1903	Bike Path Extension: Spencer - SE 24th to SE 36th	Street/Park	Proposed	Sales Tax		\$ 489,400	\$ 489,400		100%	
1	3	2	1,3,5,7	6	2025	W1901	East Pressure Zone Water Tower & Pressure Reducing Valve	Water	Proposed	Water	SRLF	\$ 2,300,000		\$ 2,300,000	100%	2017 Water-Sewer Master Plan
2	1	2	1,2,3,4	5	2025	B1603	Library Air Handler #1 (Multi-Zone) Chilled Water Coil	Buildings	Proposed	General		\$ 10,000	\$ 10,000		100%	Library Maintenance Plan
2	3	2	1,2,3,5	7	2025	T1901	Broadway: Main to Elm Reconstruct	Street	Proposed	General		\$ 1,710,000	\$ 1,710,000		100%	
1	3	2	1,2,3,6	6	2025	T1303	Reconstruct W. 12th: Boyd to Meridian	Street	Proposed	General	KDOT	\$ 1,750,000	\$ 350,000		20%	
1	3	2	1,2,3,5	6	2025	T1205	S. Kansas Ave: 1st St to Washington Rd - Mill & Overlay	Street	Proposed	General		\$ 311,475	\$ 311,475		100%	Area 1 Mill & Overlay - may need to move earlier
0	3	2	1,2,5,7	5	2025	T1603	Widen 1st St: I-135 to Spencer	Street	Proposed	General		\$ 250,000			0%	When traffic volumes on E. 1st and I-135 ramps dictate the need for improvement, widen on south side of 1st
					2026	A2301	Rehabilitate/Remark Runway 17-35	Airport	Proposed	General	FAA	\$ 1,127,900	\$ 56,395		5%	May change due to ACIP Changes coming w/FAA
1	3	2	2,3,5,6	6	2026	P1209	Reconstruct Timber Bridge at Sand Creek Station	Parks	Proposed	General	Golf	\$ 100,000	\$ 100,000		100%	
					2027	A2401	Extend Existing T-Hangar (Building No. T-2)	Airport	Proposed	General	FAA	\$ 1,893,700	\$ 94,685		5%	May change due to ACIP Changes coming w/FAA
					2028	B	Library Water Chiller (Boiler Room)	Buildings	Proposed	General		\$ 64,800	\$ 64,800		100%	Library Maintenance Plan
1	3	2	1,2,3,5	6	2028	T2801	Kansas Ave. & Victoria Drive: Left Turn Lane	Street	Proposed	General		\$ 142,000	\$ 142,000		100%	Traffic Study shows that a left turn lane E. Bound will be needed in 2028-2032 due to capacity problems
1	3	2	1,2,3,4,5	6	2030	T3001	Kansas Ave. & US-50: Add Roundabouts at Off Ramps	Street	Proposed	General	KDOT	\$ 2,700,000				Traffic Study shows that vehicle capacity will require by 2030-2034

CITY OF NEWTON
COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM 2019-2024

CIP Category Ranking determined by attached Guidelines																
2019 Rank determined by adding the three category columns for a result between 0 and 9, with 9 being highest priority																
Condition / Structural Integrity	Critical Infrastructure	Community Need (Beliefs)	Beliefs Met	2019 Rank	Proposed Construction Year	CIP Tracking Number	CIP PROJECT NAME	CATEGORY	STATUS	City Funding Source	Other Funding Source	COST ESTIMATE	CITY'S COST General Fund	CITY'S COST Revenue Fund	CITY (%)	COMMENTS
					2030	B	Library Heating Boiler (Large)	Buildings	Proposed	General		\$ 23,185	\$ 23,185		100%	Library Maintenance Plan
3	3	2	1,3,6,7	8	2030	B1601	Police Department Facility (Long term)	Buildings	Design	General		\$ 8,000,000	\$ 8,000,000		100%	Land, site costs, design, building construction, see June 2010 NPD Report
3	1	3	1,2,3,4,5,6	7	Future	B	Public Works Maintenance Facility Expansion or Relocation	Buildings	Proposed	General		\$ 3,000,000	\$ 3,000,000		100%	Draft Facility Improvement Report under review
2	3	2	1,3,4,6	7	Future	B1201	Fire/EMS Facility Renovation (Station #2)	Buildings	Proposed	Sales Tax		\$ 1,030,225	\$ 1,030,225		100%	Project #2 from strategic plan - replace the HVAC system, possibly the boiler, replace a lot of the plumbing, and address technology and furnishings
2	3	2	1,3,4,6	7	Future	B1301	Fire/EMS Facility Relocate Station #1	Buildings	Proposed	Sales Tax	N Newton	\$ 4,000,000	\$ 4,000,000		100%	Project #3 from strategic plan
					Future	A1702	Airport Community Hangar	Buildings	Proposed	General	Lease/HV Cty	\$ 1,300,000	\$ 650,000		50%	Lease Rates could fund
2	1	3	1,2,3,4,5,7	6	Future	B	Library Expansion with Parking Lot	Buildings	Proposed	General	Library	\$ 10,600,000				Library has indicated need for space/remodel, study to reveal specific needs
3	3	2	1,3,4,5,7	8	As Needed	S1302	Sewer Interceptor across Hauck Plat	Sewer	Proposed	Sewer		\$ 310,000				Logistics Park Improvements
3	3	1	1,5,7	7	As Needed	T1201	Hauck Ave Paving & Drainage	Street	Proposed	General	KDOT	\$ 1,320,873	\$ 1,320,873		100%	Logistics Park Improvements
3	3	1	1,5,7	7	As Needed	T1211	Kansas Logistics Park Rail Extension to SE 9th	Rail	Proposed	General	KDOT Rail U	\$ 2,618,750	\$ 1,060,000		40%	KLP Development Driven
3	3	1	1,5,7	7	As Needed	T1308	KLP Rail Extension-phase 2	Rail	Proposed	KLPDA		\$ 1,092,039	\$ 1,092,039			Rail extension to east and north of rail phase 1
3	3	2	1,3,5,7	8	Future	T1504	Oliver: 12th to 1/2 mile north	Street	Future	General	HV County	\$ 625,000	\$ 312,500		50%	
1	3	3	1,2,3,4,5,7	7	Future	D	Detention Pond NE of Broadway & Spencer	Drainage	Proposed	General		\$ 450,000	\$ 450,000		100%	To detain water in the N. Slate Creek Basin, to minimize future flooding, and provide recreational pond.
3	1	3	1,2,3,4,5,7	7	Future	T1208	Bike Path Extension: WWTP to Sharp's Drive	Street/Park	Proposed	Sales Tax	KDOT/TE	\$ 1,140,000	\$ 228,000		20%	Applied for TE funds to make connection, BWR will do engineering
					Future	A	Airport - Abandoned Pavement Removal	Airport	Proposed	General	FAA	\$ 3,551,900	\$ 177,595		5%	May change due to ACIP Changes coming w/FAA
2	3	1	1,3,6	6	Future	A1201	Slurry Seal Terminal Apron	Airport	Proposed	General	FAA	\$ 175,600	\$ 8,780		5%	rehabilitate and seal main terminal apron
1	3	2	1,3,4,5,7	6	Future	S1402	Sewer Interceptor on Cow Palace Rd: US-50 to BNSF	Sewer	Proposed	Sewer		\$ 625,000		\$ 625,000	100%	
1	3	2	1,2,3,5	6	Future	T1206	S. Kansas Ave: SE 36th to City Limits - Mill & Overlay	Street	Proposed	General		\$ 124,000	\$ 124,000		100%	Area 1 Mill & Overlay - may need to move earlier
1	3	2	1,2,3,4,5	6	Future	T	SW 24th Street: Kansas to Meridian	Street	Proposed	General		\$ 6,000,000	\$ 6,000,000		100%	Development on the south end of town will dictate need, also a new school in the area would require this
1	3	1	2,3,6	5	Future	T1307	SW 24th Street Bridge Repainting	Street	Proposed	General	KDOT?	\$ 276,000	\$ 276,000		100%	City annexed this area and inherited the bridge. Inspections show substructure painting needed.
2	1	2	1,2,6,7	5	Future	P	Golf Course: Fairway Improvements	Golf Course	Proposed	General		\$ 1,000,000	\$ 1,000,000		100%	
2	1	2	1,2,6,7	5	Future	P	Golf Course: Enclose Grille Patio	Golf Course	Proposed	General		\$ 250,000	\$ 250,000		100%	
2	1	2	1,2,6,7	5	Future	P	Golf Course: Bunker Projects	Golf Course	Proposed	General		\$ 150,000	\$ 150,000		100%	
2	1	2	1,2,6,7	5	Future	P	Golf Course: Conversion of the Cart Building	Golf Course	Proposed	General		\$ 250,000	\$ 250,000		100%	
2	1	2	1,2,3,4,5	5	Future	P	Athletic Park: Tennis Courts	Parks	Proposed	General		\$ 336,853	\$ 336,853		100%	Park Master Plan
2	1	2	1,2,3,4,5	5	Future	P	Athletic Park: Open Shelters, Pergola, Pathways, Crosswalks, Landscaping	Parks	Proposed	General		\$ 771,333	\$ 771,333		100%	Park Master Plan
2	1	2	1,2,3,4,5	5	Future	P	Athletic Park: Landscaping, Entrance Signage, Parking, Amenities	Parks	Proposed	General		\$ 775,647	\$ 775,647		100%	Park Master Plan
2	1	2	1,2,3,4,5	5	Future	P	Washington Park: Parking, Lighting, Landscape	Parks	Proposed	General		\$ 299,107	\$ 299,107		100%	Park Master Plan
2	1	2	1,2,3,4,5	5	Future	P	Washington Park: Playground & Shelter	Parks	Proposed	General		\$ 287,344	\$ 287,344		100%	Park Master Plan
1	1	2	1,2,3,4,5	4	Future	P	Washington Park: Girl Scout House Bollards, Landscape	Parks	Proposed	General		\$ 112,000	\$ 112,000		100%	Park Master Plan
1	1	2	1,2,3,4,5	4	Future	P	Washington Park: Girl Scout House Paths, Lighting, Benches, Courtyard, Foot Bridge	Parks	Proposed	General		\$ 374,641	\$ 374,641		100%	Park Master Plan
1	1	2	1,2,3,4,5	4	Future	P	Washington Park: Girl Scout House Playground & Shelter	Parks	Proposed	General		\$ 287,344	\$ 287,344		100%	Park Master Plan
1	1	2	1,2,3,4,5	4	Future	P	Washington Park: Landscape, Bike Racks, Display Pedestal, Entrance Signage	Parks	Proposed	General		\$ 74,993	\$ 74,993		100%	Park Master Plan
					Future	S	Upgrade Country Club Lift Station	Sewer	Proposed	Sewer		\$ 250,000		\$ 250,000	100%	2017 Sewer Master Plan
					Future	S	Upgrade Broadway Lift Station	Sewer	Proposed	Sewer		\$ 250,000		\$ 250,000	100%	2017 Sewer Master Plan
					Future	W	Water Line to serve Fire Training Grounds along SW 14th	Water	Proposed	Water		\$ 170,000		\$ 170,000	100%	
					Future	W	Water Line to serve Future Airport Development	Water	Proposed	Water		\$ 1,400,000		\$ 1,400,000	100%	2017 Water Master Plan, East side of runway 17-35
					Future	W2001	Central Transmission Main	Water	Proposed	Water	SRLF	\$ 2,200,000		\$ 2,200,000	100%	2017 Water Master Plan, Main Street: SE 4th to E. 1st, increase press. to services in area & water supply rate to Spencer Tower during high demand.



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

BUILDINGS

Project Name: POLICE DEPARTMENT RENOVATION

CIP Tracking No. B1802

Proposed Year: 2019

Description:

The City has been studying the Police Department’s facility needs since 2010. Its current facility, which it shares with the Harvey County Sheriff’s Office, is too small, is in disrepair, and does not offer appropriate or adequate security or evidence storage. The existing front office area is used for reception area, records, and administration. The space is not conducive to privacy or situations of a confidential nature. It also does not meet ADA standards.

WDM Architects of Wichita had been selected for the design process of a new facility at the property purchased at 320 N Main Street. That property has the advantages of its proximity to the Harvey County Jail, the existing police office, Sheriff’s Office and City Hall. The size of the site would allow for the department’s growth well into the future. The estimated cost was \$8,000,000.

However, funding limitations have forced the department to consider the short term option of renovating the current facility.



Structural:	3
Critical:	3
Beliefs:	2
2019 Total:	8

2019 Cost:	\$ 3,129,501
Local Share:	\$ 2,121,948
County:	\$ 1,007,553
Project Year Cost:	\$ 3,129,501



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

WATER

Project Name: AIRPORT WATER LINE EXTENSION: Hillside—Oliver

CIP Tracking No. W1306

Proposed Year: 2019

Description:

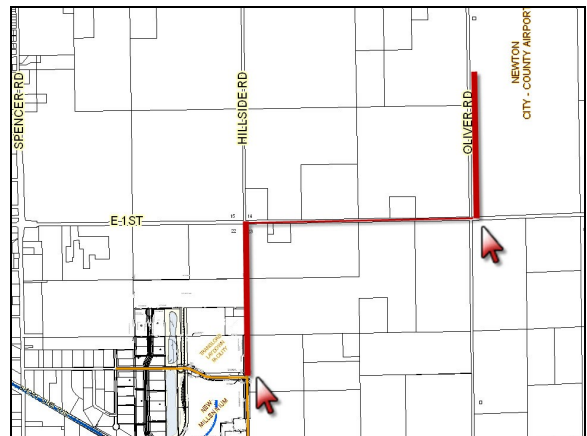
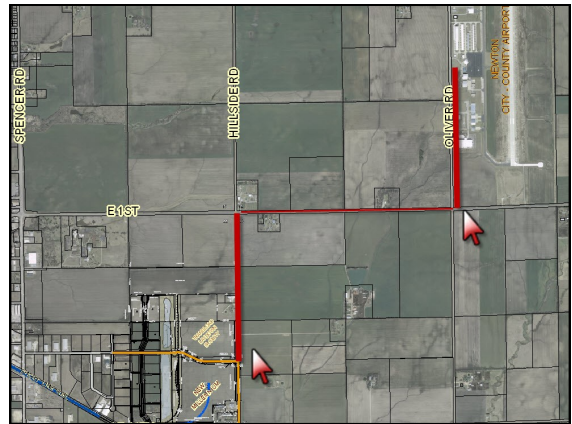
As we continue to develop the KLP, water line extensions are necessary to serve current and future customers. Also, it is customary and cost effective to build in water mains prior to paving projects to avoid re-grading and paving or drainage item removal and replacement later.

Several years ago with the inception of the KLP, the city coordinated with the RWD regarding building into their district. This project not only builds into their district, but will also replace a RWD line that serves customers on Hillside. The RWD line needs to be moved due to ditch re-grading on Hillside associated with the paving project, so staff coordinated with RWD to take over their one customer and abandon their line. This option is much cheaper than paying them to relocate. The project also extends the line on Oliver from 1st Street to the Airport so the City can serve this newly annexed facility.

The project will consist of approximately 7,000 LF of 12” ductile iron waterline with all of the associated appurtenances, i.e. hydrants, valves, etc. This line will tie into the 1st Street and the SE 12th main lines to allow for looping of the system which provides better water flow and turn-over of product.

Alignment with City Beliefs:

This project supports the viable **growth of the community** and ensures the continued **health and safety** of citizens through adequate quality water supply and fire flows. **Fiscal responsibility** is adhered to by utilizing ductile iron pipe, a proven long-life material with low maintenance and by putting the line in ahead of the paving to avoid re-grading. The project allows for the pursuit of **progressive and innovative growth** in the new Kansas Logistics Park, without water that could not occur.



Structural:	3
Critical:	3
Beliefs:	2
2019 Total:	8

2019 Cost:	\$ 970,000
Local Share:	\$ 970,000
Other:	\$ 0
Project Year Cost:	\$ 970,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

WATER

Project Name: 1ST STREET WATER STORAGE TANK REPLACEMENT

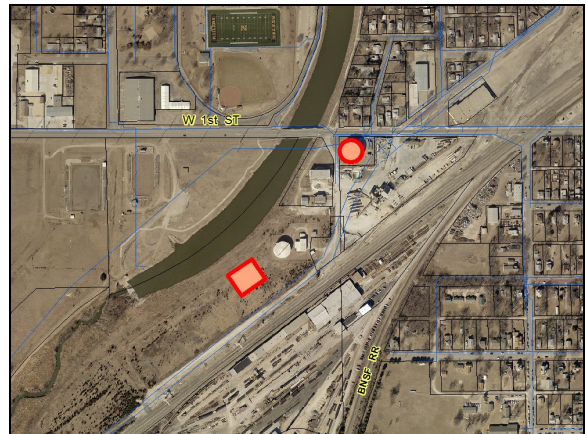
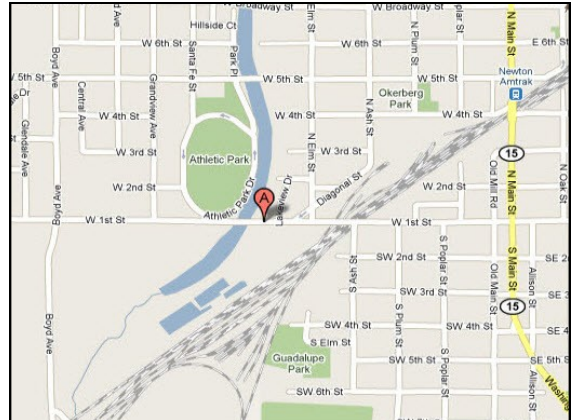
CIP Tracking No. W1101

Proposed Year: 2019-2020

Description:

The 3.4 MG capacity ground level storage tank located on W. 1st Street was constructed in 1939. The interior of the steel structure was last repainted in 1997. The environmental conditions around this tank are particularly hard on the paint job, i.e. Builders Concrete, Sand Creek, etc.

The interior of the structure has deteriorated beyond the point of repair. The tank will be replaced with two 1.9 MG tanks, allowing for maintenance on one tank at a time and uninterrupted water supply to the city. Right-of-way for the second tank location is being acquired now.



Alignment with City Beliefs:

Water is key to the **health and safety** and the **quality of life** of any community. To protect the health and safety of citizens and businesses served by the West First Street ground water storage tank, it is imperative that the tank be replaced.

Structural:	3
Critical:	3
Beliefs:	1
2019 Total:	7

2019 Cost:	\$ 3,200,000
Local Share:	\$ 3,200,000
Other:	\$ 0

Project Year Cost: \$ 3,200,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

SEWER

Project Name: 8th & Sand Creek Sewer Main Upsizing to Increase Collection Capacity (Basin A-6)

CIP Tracking No. S1802

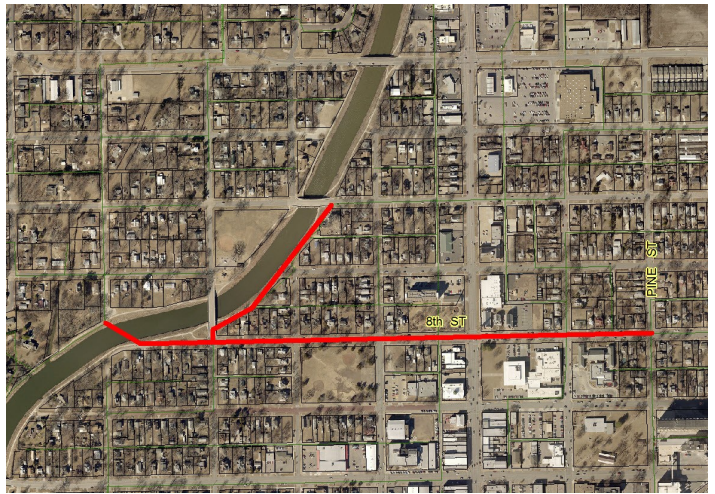
Proposed Year: 2019

Description:

One of the many main sewer interceptors throughout the city is the one serving Basin A-6, in the west-central portion of the city. This interceptor is reaching design capacity. This information was verified in the 2017 Water and Sewer Master plan utilizing theoretical peak flows. Unless these capacity issues are addressed, a moratorium on growth within these basins will be necessary when the interceptor can no longer carry demand flows.

Trenchless pipe reaming techniques are recommended to increase flows in this basin. This will eliminate the pipe surging in the larger mains and the construction methods are minimally obtrusive to the surrounding area and the methods are considered environmentally friendly.

Prior to this work, the adjacent property owners will be notified regarding the improvement project and how it will benefit their lives and property.



Alignment with City Beliefs:

This project supports the **growth of the community** by allowing continued growth in the basin with the improvements. The **health and safety** of the citizens are met with a functional sanitary sewer system. The minimal disruption to the system and the surrounding area make it quite **financially responsible and environmentally friendly**.

Notifications associated with the project also spur **civic engagement** in the process. This method of construction is very **progressive and innovative** as the ground is not disturbed above all of the line.

Structural:	2
Critical:	3
Beliefs:	2
2019 Total:	7

2019 Cost:	\$ 1,200,000
Local Share:	\$ 1,200,000
Other:	\$ 0

Project Year Cost: \$ 1,200,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

SEWER

**Project Name: Old Main Sewer Upsizing—
Basin B-5**

CIP Tracking No. S1901

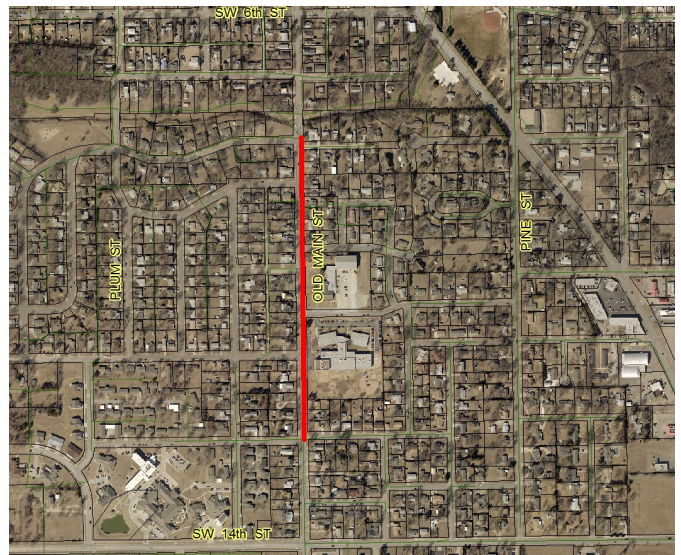
Proposed Year: 2019

Description:

The estimated flows through the existing 8” sanitary sewer serving basin B-5 are nearing design capacity. This sewer main serves the area around Old Main Street from Brookside to S 14th Street.

There have been many discussions regarding development in this area. However, the existing 8” line is not adequate to serve any future wastewater flows.

The 2017 Master Sewer Plan recommends increasing the size of this sewer from 8” to 12” by using trenchless pipe bursting. This would require pipe bursting approximately 1,839 linear feet of sanitary sewer. 5,446 square yards of pavement would also need to be removed and replaced to complete this project.



Structural:	3
Critical:	3
Beliefs:	2
2019 Total:	8

2019 Cost: \$ 1,600,000
Local Share: \$ 1,600,000
Other: \$ 0

Project Year Cost: \$ 1,600,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

DRAINAGE

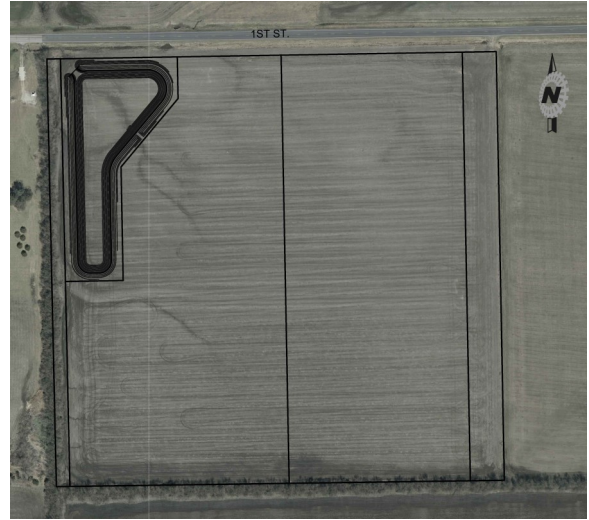
Project Name: SUDERMAN DETENTION POND

CIP Tracking No. D1901

Proposed Year: 2019

Description:

The city recently platted the 40 acres east of Prairie View on E. 1st Street that was purchased for industrial growth in Newton. As a part of the platting process, a drainage plan is required that addresses storm water quantity and quality issues for the plat. The drainage plan calls for a pond to intersect and slow down flow that drains toward Prairie View, and to hold additional flow that will be generated with new impervious area on the site once it begins to develop. The city owns this property and is offering it for industrial development as a “build ready” site. Regardless of the type of business that chooses to locate here, a pond will be required. Having the drainage pond already in place helps industrial prospects better visualize the site layout and gives the developer one less thing to prepare prior to new building structure construction. Digging out the pond will also provide some much-needed excavated material for other city operations to use as fill material.



Structural:	0
Critical:	3
Beliefs:	2
2019 Total:	5

2019 Cost:	\$ 160,000
Local Share:	\$ 160,000
Other:	\$ 0
Project Year Cost:	\$ 160,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

BUILDINGS

Project Name: SERVICE CENTER SHOP / MAIN BLDG—THERMAL WINDOWS

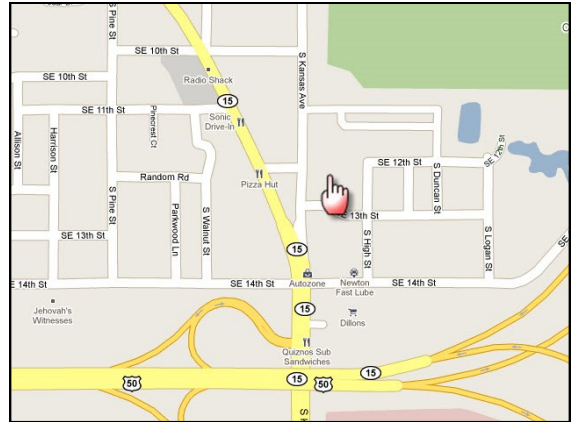
CIP Tracking No. B1303

Proposed Year: 2019

Description:

For the last 55 years, the Service Center facility at 1100 S. Kansas Ave. has been home to the City of Newton’s Water, Street, Sanitation, and Fleet Services divisions of the Department of Public Works. The current windows are not energy efficient and are starting to leak. To prevent future damage from water and to be more energy efficient these windows need to be replaced.

City staff will perform the removal and installation. In some areas, walls will be removed and replaced as well.



Alignment with City Beliefs:

To improve the efficiency of the Public Works Service Center, aging single pane windows will be replaced by standard-efficient thermal panes. The range of products, technology, and tools housed in the facility work most efficiently when temperatures and moisture levels remain constant. The current windows create interior moisture and frost to form, leading to conditions that exacerbate **health issues**—allergies and breathing issues—for certain staff. While the anticipated total expense involved in replacing the windows is \$30,000, thermal efficiencies will reduce fuel consumption and associated costs, aligning the project with the City’s commitment to **fiscal responsibility**. Grant sources will be sought to support this **innovative solution** to the issue of a cold, damp service center environment.



Structural:	2
Critical:	3
Beliefs:	2
2019 Total:	7

2019 Cost:	\$ 30,000
Local Share:	\$ 30,000
Other:	\$ 0

Project Year Cost: \$ 30,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

PARKS

**Project Name: MERIDIAN CENTER:
Roundabout Beautification**

CIP Tracking No. P1602

Proposed Year: 2019

Description:

The unfinished status of this area in the center of Broadway Court Roundabout has drawn comments since the Meridian Center opened. It has also resulted in the loss of a number of possible events that would like to have an outdoor area for receptions and photographs.

This project would add a center sculpture area with lighting and ornamental grasses. Landscaping would include shade trees, perimeter flowering plantings, benches, and lighted protective bollards.



Meridian Center Plaza Concept 1



Alignment with City Beliefs:
Newton is fortunate to be located in one of the largest growth corridors in the United States. Continued residential, commercial and industrial growth ensures that Newton will remain a thriving community. Newton should be an attractive place to live and work, with arts and culture, parks and recreation, entertainment, high-quality education, and other amenities that citizens want in their community. The unfinished condition of this circular drive does not convey the community's commitment to **growth** and **quality of life**. Completion of this asset is necessary to project these values to residents, visitors, and passersby.

Structural:	1
Critical:	1
Beliefs:	2
2019 Total:	4

2019 Cost:	\$ 129,000
Local Share:	\$ 129,000
Other:	\$ 0
Project Year Cost:	\$ 129,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: WHEATRIDGE DRIVE AND PADDINGTON AVE PAVING EXTENSION

CIP Tracking No. T1503

Proposed Year: 2020

Description:

A public survey and traffic study was conducted to review conditions and indicate ways for this area to continue to grow and support additional development. The first priority identified is to provide an alternate, signalized intersection for traffic to enter onto Kansas Avenue. A roundabout will help to slow traffic entering the residential area on Windward Drive.

This project will include approximately 11,200 sq. yds. Of 8" concrete pavement, 3- 10'x4' reinforced concrete boxes, 1150 LF storm sewer pipe(15" to 24 " dia.), 11 storm inlets, and 14,000 sq. ft. of sidewalk. Traffic signals will be installed at the intersection of Wheatridge Dr and Kansas Ave.

In the future, Wheatridge Drive will be extended between Old Main and Paddington Avenue to help alleviate non-local traffic travelling through the residential portion of Windward Drive.



Alignment with City Beliefs:

Citizen involvement has shown a desire to improve traffic flow in this area, easing their **quality of life**. The engineering study has laid the guidelines for creating a **safe roadway** system for this mix of residential and commercial properties. Future **commercial growth** in this area can be facilitated by providing infrastructure improvements.



Structural:	3
Critical:	3
Beliefs:	2
2019 Total:	8

2019 Cost:	\$ 3,108,000
Local Share:	\$ 3,108,000
Other :	\$ 0
Project Year Cost:	\$ 3,108,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: S. KANSAS AVE. MILL & OVERLAY: SE 24th TO SE 36th St.

CIP Tracking No. T1102

Proposed Year: 2020

Description:

Due to nearly 8000 vpd and deteriorating subgrade from the old highway, this pavement is experiencing degradation in several locations that require a mill and overlay with full depth patch repairs to the subgrade on S. Kansas Ave. from SE 24th to SE 36th Street.

This arterial street is a main thoroughfare for areas south of US Highway 50. Current condition of this segment of roadway shows signs of deterioration with issues of block cracking, alligator cracking and multiple cracks.

Alignment with City Beliefs:

Residential and commercial growth south of US Highway 50 necessitates the mill and overlay project of Kansas Avenue from SE 14th to SE 36th Streets. Good roads are fundamental to the **safety** of our community and enhance economic development of the area through improved **quality of life** infrastructure.

Citizen engagement of those who live and work in the area served by this arterial in understanding the importance of the project and have been informed of the anticipated duration of the milling and overlaying process. A portion of the 2006 sales tax dedicated to infrastructure will be used to fund this project.



Structural:	2
Critical:	3
Beliefs:	2
2019 Total:	7

2019 Cost: \$ 575,000
Local Share: \$ 575,000
Other: \$ 0

Project Year Cost: \$ 590,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: W 1st ST: MAIN west to RAILROAD—MILL & OVERLAY

CIP Tracking No. T1601

Proposed Year: 2020

Description:

This arterial street is a main thoroughfare connecting the east and west sides of town. The street was originally built in 1916 with a concrete base and brick surface. It was given a 2” asphalt overlay in 1972 and last received a slurry seal coat in 2015.

Current condition of this segment of roadway shows signs of deterioration with issues of block cracking, alligator cracking and multiple cracks.

For continued pavement preservation, a 2” overlay is needed on this roadway.



Structural:	1
Critical:	3
Beliefs:	2
2019 Total:	6

2019 Cost:	\$ 135,000
Local Share:	\$ 135,000
Other:	\$ 0
Project Year Cost:	\$ 137,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: 1ST STREET: MERIDIAN TO WEST ST. - MILL & OVERLAY

CIP Tracking No. T2006

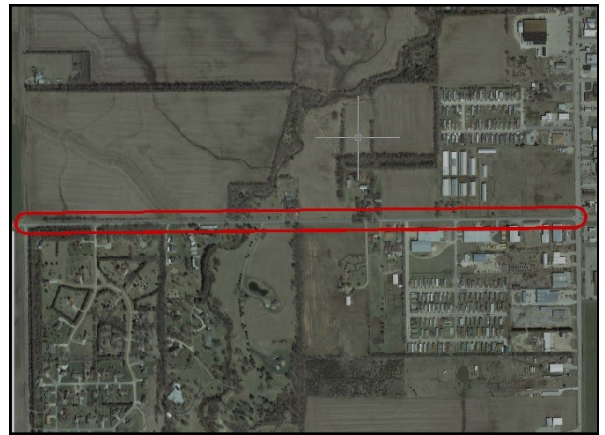
Proposed Year: 2020

Description:

This arterial street is the main connector from westernmost portions of the city to the main body of the town. The street was originally built prior to 1950. This section of road has received sporadic maintenance over the years with portions having a slurry seal coat in 2000 and 2013.

Current condition of this segment of roadway shows signs of deterioration with issues of block cracking, alligator cracking and multiple transverse cracks.

For continued pavement preservation, a 2” overlay is needed on this roadway.



Structural:	2
Critical:	2
Beliefs:	2
2019 Total:	6

2019 Cost:	\$ 210,000
Local Share:	\$ 210,000
Other:	\$ 0
Project Year Cost:	\$ 210,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: SHARPS DRIVE: BOYD TO MERIDIAN - MILL & OVERLAY

CIP Tracking No. T2007

Proposed Year: 2020

Description:

Sharps Drive is a link connecting a large industrial area to a major arterial and then to State Highway 50. This road serves heavy truck traffic and is subject to significant wear and tear.

The asphalt surface shows signs of deterioration with issues of block cracking, alligator cracking, raveling and multiple linear and transverse cracks. Interlayer bonding failures are also evident. For continued pavement preservation a mill and 2” overlay should be performed.



Structural:	2
Critical:	2
Beliefs:	2
2019 Total:	6

2019 Cost: \$ 104,000
 Local Share: \$ 104,000
 Other: \$ 0

Project Year Cost: \$ 104,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: 12TH STREET: SAND CREEK BRIDGE TO WALNUT RECONSTRUCTION

CIP Tracking No. T2008

Proposed Year: 2020

Description:

12th Street is a arterial street that spans the north side of town and connects the east side to the west. This stretch of road is one of the most heavily traveled in Newton and sees in excess of 5700 vehicles per day. This road provides access to Newton High School on the west end and a connection to East Highway 50 on the east end via Old Trail Road. The street was originally constructed in 1926 with a concrete base and a brick surface.

The current condition of the asphalt pavement shows signs of deterioration with issues including block cracking, alligator cracking, transverse and longitudinal cracks. Towards the intersection of 12th and Main the deterioration becomes more pronounced due to traffic flow in excess of 7,000 vpd. In this area there is evidence of some base failure as well with some potholes and rutting. A total reconstruct will be required to maintain this segment of 12th Street.

The state provided some funds for dispersed traffic during I-135/US-50 southbound bridge project, although this was not an official detour, these funds can be used for this project.

This project will remove the existing pavement and base then replace it with crushed rock base and two courses of asphalt paving.



Structural:	2
Critical:	2
Beliefs:	2
2019 Total:	6

2019 Cost: \$ 781,300
Local Share: \$ 751,300
KDOT: \$ 30,000

Project Year Cost: \$ 793,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

STREET

Project Name: QUAIL CREEK AVENUE at S. KANSAS: INTERSECTION SIGNALIZATION

CIP Tracking No. T2009

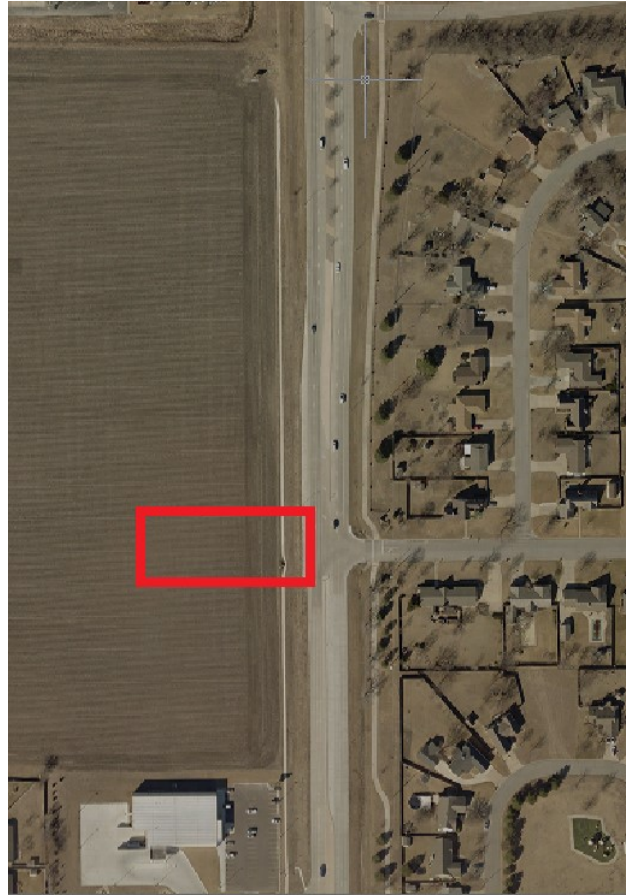
Proposed Year: 2020

Description:

A traffic study was performed in 2012 by Parsons Brinkerhoff (now WSP) for the traffic patterns along S. Kansas south of US-50 Hwy. The recommendations for the intersection of Quail Creek Avenue and S. Kansas include a full movement road to the west and a signal for the intersection.

The need for these improvements has been predicated on the development on the property to the west of S. Kansas. This development has been discussed for several years but has progressed to the point that it appears the road improvements will become necessary in 2020.

This project will signalize the intersection and provide and full pavement section of Quail Creek Ave. to the west for a distance of 300'. The road will be 8" of concrete pavement on 6" of treated subgrade.



2019 Cost:	\$ 572,100
Local Share:	\$ 572,100
Other:	\$ —
Project Year Cost:	\$ 572,100



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

AIRPORT

Project Name: AIRPORT: DESIGN PARALLEL TAXIWAY E

CIP Tracking No. A1602

Proposed Year: 2020

Description:

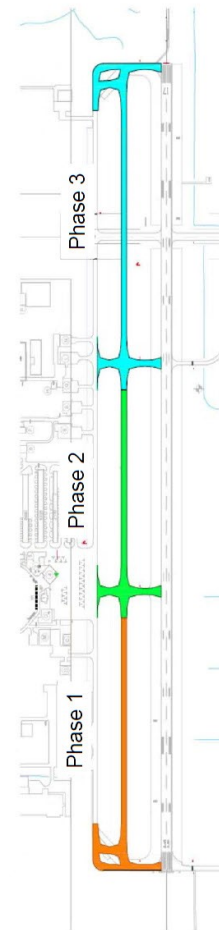
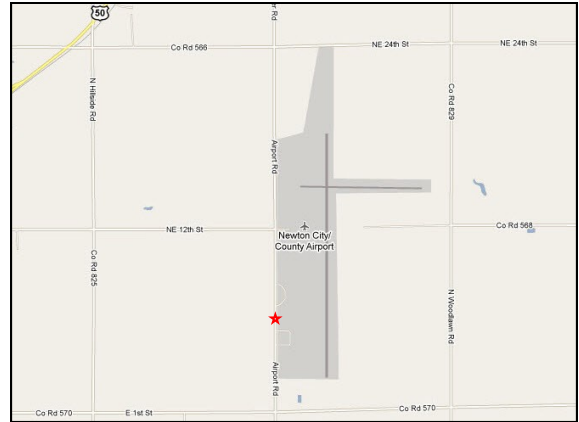
Taxiways A, B, C (west of Runway 17-35), D, and E were originally constructed in 1944 when the airport itself was built. These taxiways exhibit the same pavement distresses experienced on Runway 17-35, which underwent complete reconstruction in 2012-2013 under AIP-29.

Taxiway pavement distresses include reflective cracking, longitudinal and transverse cracking, and blowups. Several spots of the underlying concrete pavement have blown up, causing great damage and FOD potential to the top most asphalt layer.

The proposed project would also construct aircraft engine runup/ preflight aprons near both ends of Runway 17-35. These aprons have been a highly sought after improvement by tenants and Wichita-area aircraft testing companies to meet their aircraft maintenance and repair needs. These aprons will also improve preflight safety for all aircraft.

To make space for these aircraft engine run-up/preflight aprons, Taxiway E must be relocated from its current position 670 feet from the centerline of Runway 17-35 to the standard 400' runway-to-taxiway separation distance. Relocating Taxiway E would also provide the space needed for future hangar construction as recommended in the 2012 Airport Master Plan and depicted on the current FAA-approved ALP.

To continue its airfield modernization program, the Sponsor requests Federal assistance in reconstructing and relocating Taxiway E, reconstructing Taxiways A, B, C, and D, and constructing aircraft engine run-up aprons.



Structural:	2
Critical:	3
Beliefs:	1
2019 Total:	6

2019 Cost:	\$ 1,015,800
Local Share:	\$ 50,790
FAA/HV County:	\$ 965,010
Project Year Cost:	\$ 1,100,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

AIRPORT

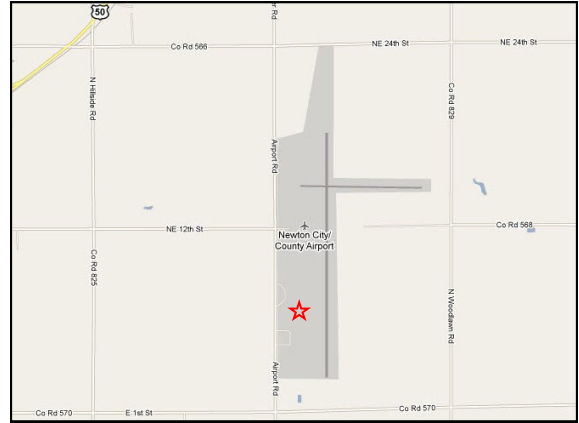
Project Name: AIRPORT: HESSTON COLLEGE BUILDING ROOF (Hangar K)

CIP Tracking No. A1703

Proposed Year: 2020

Description:

The Airport building being leased by Hesston College has experienced multiple roof leaks. Spots along the edges are rusting through. City staff has been able to make roof repairs thus far, but to fully address the aging roof, replacement is required.



Alignment with City Beliefs:
 For the **safety and health** of workers in the building, as well as to maintain the structural and functional integrity of the facility, we believe the roof warrants replacement in 2017. Waiting to replace the roof could lead to greater financial expenditure; the maintenance of property is an issue of **fiscal responsibility**.

Structural:	3
Critical:	3
Beliefs:	1
2019 Total:	7

2019 Cost:	\$ 35,000
Local Share:	\$ 17,500
FAA/HV County:	\$ 17,500
Project Year Cost:	\$ 35,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

WATER

Project Name: WATER TOWER PAINTING—HIGH SCHOOL & SPENCER

CIP Tracking No. W1202

Proposed Year: 2020-2021

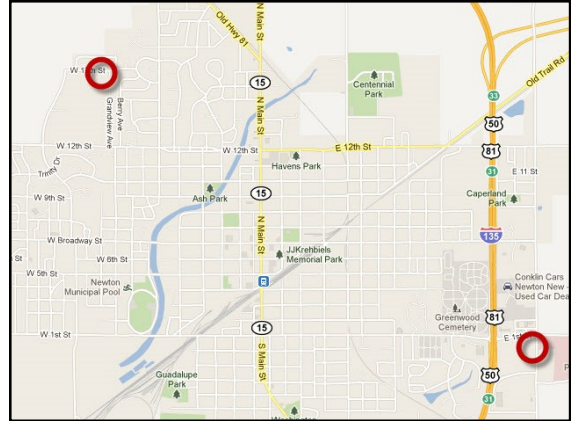
Description:

The city owns six above ground water storage facilities, four of which are elevated. The 12th and Walnut tower was recently replaced and is in very good condition. The two spheroid tanks at the High School and on Spencer at SE 3rd, are in need of repainting. The High School tower was built in 1968 and last painted in 1994. The Spencer tower was built in 1968 and last repainted in 1994. Industry standard for repainting is every 15-20 years. If you wait longer, the steel structures can experience unnecessary rusting that will impact the structural integrity of the tanks.

The paint scheme would be a light gray base to hide the frequent discoloration of the exterior of the structure due to temperature fluctuations with the contents and atmosphere. The city of Newton name and logo would be placed similar to the current logo.

Alignment with City Beliefs:

This project supports the viable **growth of the community** by providing quality water supply systems to the public. Having a nice paint job on our infrastructure makes Newton an attractive place to live and **enhances the quality** of life for all citizens. It ensures the continued **health and safety of citizens** and businesses by providing the most important resource for maintaining good health through the consumption of water and safety by supplying water for fire fighting activities. **Respect for the environment** is maintained through preservation of our precious water supply and the structures that store it. Our citizens have voiced in multiple surveys that maintaining what we have is more important than building new and this project truly echoes that **civic engagement**. By painting to avoid decay of the structure, the project is promoting **fiscal responsibility**.



Structural:	1
Critical:	3
Beliefs:	3
2019 Total:	7

2019 Cost: \$ 750,000
 Local Share: \$ 750,000
 Other: \$ 0

Project Year Cost: \$ 765,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

WATER

Project Name: SE 4th: PINE to KANSAS WATER MAIN UPGRADE

CIP Tracking No. W1302

Proposed Year: 2020

Description:

Upgrade 1300 LF from a 2” and 4” water line to a 10” ductile iron pipe, class 52.

A number of repairs have been made on this line. The age and size of this existing line is requiring excessive maintenance.

Alignment with City Beliefs:

Water is a key to the **health and safety** as well as **quality of life** of any community. To protect the health and safety of citizens served by this main, the project is imperative for consumption and fire flow.



Structural:	2
Critical:	3
Beliefs:	<u>1</u>
2019 Total:	6

2019 Cost:	\$ 65,000
Local Share:	\$ 65,000
Other:	\$ 0
Project Year Cost:	\$ 66,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

WATER

**Project Name: 12" Water Line Along Main St:
4th to 11th St**

CIP Tracking No. W2002

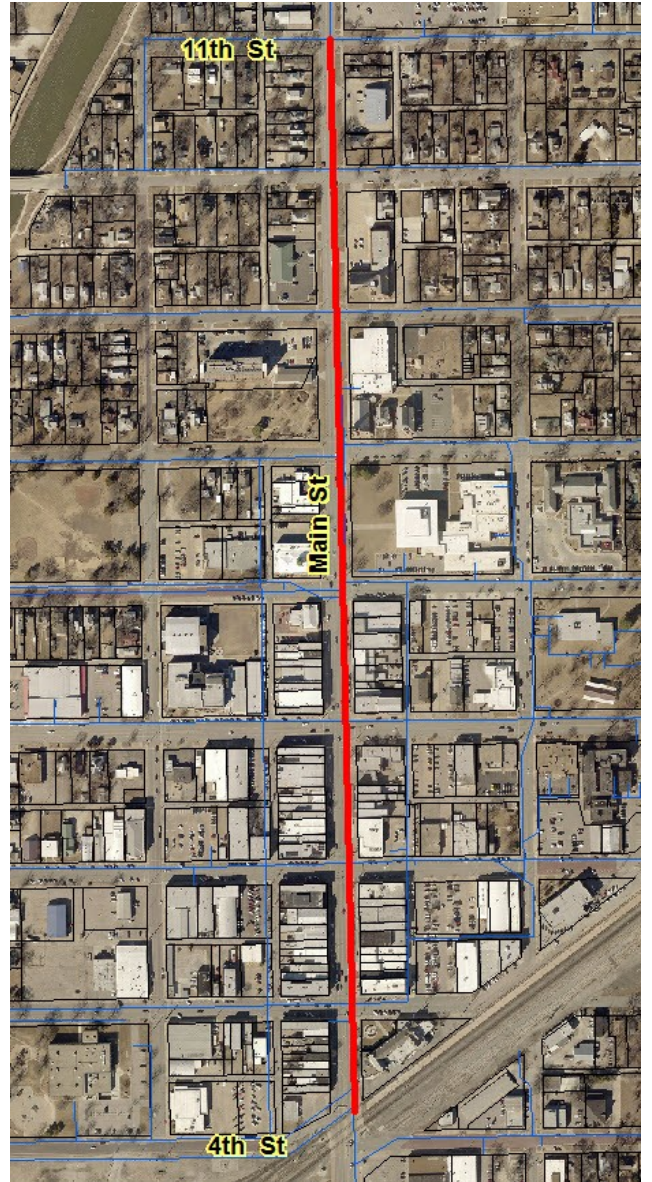
Proposed Year: 2020 - 2021

Description:

The 2017 Water Master Plan recommends installing a new 12" water main along Main Street from 4th to 11th Street to complete the main connecting the First Street Booster Pump Station to the 12th Street Water Tower.

Construction of this line is intended to improve the operating cycles of the 12th Street Water Tower while providing improved pressure and fire flow capabilities along Main Street.

The project will consist of approximately 3,400 LF of 12" ductile iron waterline with all of the associated appurtenances, i.e. fire hydrants, valves, etc.



Structural:	0
Critical:	3
Beliefs:	<u>1</u>
2019 Total:	4

2019 Cost:	\$ 1,450,000
Local Share:	\$ 1,450,000
Other:	\$ 0

Project Year Cost: \$ 1,472,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

PARKS

Project Name: Athletic Park: Pool Upgrade with Splash Features

CIP Tracking No. P1802

Proposed Year: 2020

Description:

In October 2017, the City Commission and the Newton Recreation Commission (NRC) met in a work session to begin discussions regarding the future of the Newton municipal swimming pool. City and NRC staff attended the KRPA Conference in Wichita in January of 2018 to gain information about pool renovation projects, amenities, contractors and consultants.

In May of 2018, staff met with two different firms for walk-through visits to the pool and discussed options for renovations. One was a pool consultant/contractor, Continental Pools Inc and the other was a pool architectural design consultant, Larkin Aquatics. A public survey has also been conducted.

Upgrades to the pool need to occur during the months of September through May. We are currently in Survival Mode to keep the pool open next summer. Direction is needed to move forward.



Structural:	2
Critical:	1
Beliefs:	2
2019 Total:	5

2019 Cost:	\$ 1,700,000
Local Share:	\$ 82,000
Other:	\$ 1,618,000
Project Year Cost:	\$ 1,700,000



2019 - 2024 COMPREHENSIVE CAPITAL IMPROVEMENT PROGRAM

PARKS

Project Name: New Ball Field at Centennial Park

CIP Tracking No. P2001

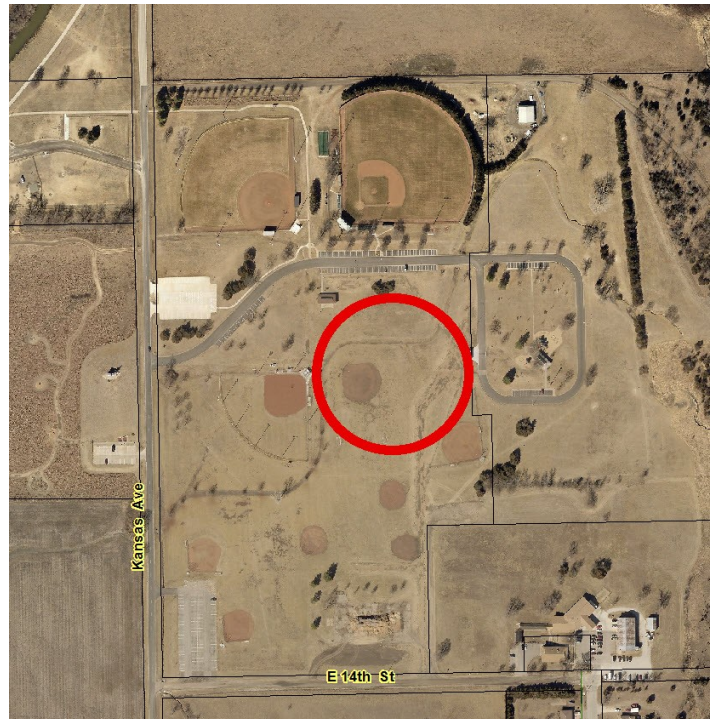
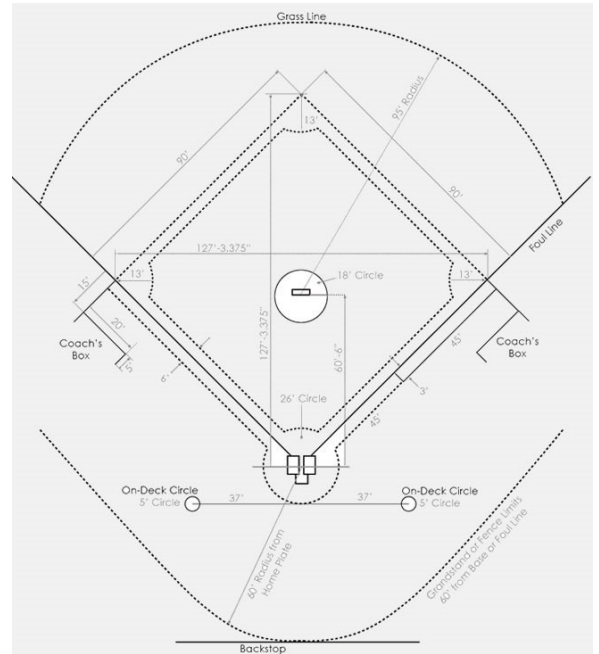
Proposed Year: 2020

Description:

In 2018, a new restroom/concession stand was built near the Klein Scott ball field on the north side of Centennial Park. Drainage improvements were also made and the old restroom facility was demolished.

Other recent improvements at Centennial Park include a new parking lot west of Kenny Williams Field, a new parking lot on the south end by the youth fields, the addition of the Dog Park, sewer line extension, a new restroom on the south end with new concrete pathways.

This has created sufficient room and appeal to construct a new ball field to allow additional opportunities for the community.



Structural:	0
Critical:	1
Beliefs:	2
2019 Total:	3

2019 Cost:	\$ 900,000
Local Share:	\$ 43,000
PBC:	\$ 857,000
Project Year Cost:	\$ 900,000