



Mission -
 Committed to providing efficient and safe city services that enhance the quality of life for all Newton residents on a daily basis.

Department Goals

1. Provide quality environmental resources (water, wastewater, storm water, solid waste collection) and effective transportation systems (streets, pathways, traffic controls, airport) through engineering and planning functions for the design, construction, and maintenance of city infrastructure.
2. Provide safe and strategic development through the use and implementation of building, housing, & environmental codes, and efficiently maintain all city owned buildings.
3. Serve as city liaison to other agencies, and provide record keeping and reporting for local, state and federal requirements as associated with all public works operations and city infrastructure.

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All of which are essential to the safety and health of our community as related to quality public works systems that touch the lives of each citizen and visitor on a daily basis.

Anticipated Operational Changes

We may see some rotating and trading of tasks between staff due to recent retirements in code enforcement. Further succession planning will also shape assignments as we move forward.

Tracking and work assignments of building maintenance staff may change as we get more familiar with new staff strengths and on-going learning regarding needs at the airport.

Summary of Major Responsibilities

The Engineering Division of the Public Works Department strives daily to:

1. Provide quality environmental resources (water, wastewater, storm water, solid waste collection) and effective transportation systems (streets, bridges, pathways, traffic controls, airport) through engineering and planning functions for the design, construction, and maintenance of city infrastructure.
2. Provide safe and strategic development through the use and implementation of building, housing, & environmental codes, and efficiently maintain all city owned buildings.
3. Respond in a timely and accurate fashion to various inquiries from the public regarding city owned infrastructure, city programs, and city projects throughout the community.

Major Departmental Challenges

- Moving forward with less building inspection staff and less institutional knowledge will be a challenge, especially as development picks up pace.
- Properties with code violations and dilapidated structures continue to be a challenge with all of the required notifications, differing perceptions and competing interests of neighboring properties and interested community members, and lack of budget for demolition.

- Aging infrastructure and solutions to problems imposed by structural failures is an ongoing challenge. Juggling best solutions with available funding is always a difficult balance.
- The age of social media has everyone wanting instant notification regarding all business. We continue to work to provide good, factual data, within a reasonable response time to inform the public regarding upcoming plans and projects and provide opportunity for input.

We want to complete water and sewer agreements with North Newton.

Significant Budgetary Changes

Planning for future the immediate budget and long-term equipment reserve costs are increased along with minor equipment operating budget line items to cover issues with the emergency warning system. Each year we have repairs to different units that requires an annual funding stream to keep the entire system up and running and to put money aside for replacement long-term.

Engineering staff continues to work with finance staff as a full building maintenance budget is established for better monitoring of expenses and planning for equipment upgrades that could save money in the long run. A new position was filled in 2016 to assist with the addition of airport building maintenance tasks and responsibilities.

Summary of New Initiatives

Engineering staff is working through the second year of the community rating system (CRS) program. The CRS gives properties located in the flood plain, required to carry flood insurance, a 10% discount when they renew their insurance. Multiple parts of the program require a lot of record keeping and presentations to local civic groups.

The second year of the five year Storm Water NPDES permit and the associated storm water management plan continues to be a focus for keeping the city in compliance with the permit. New sampling requirements, installation of structural BMP's, buffer zone ordinances, etc. will require staff attention in the coming year.

Changes to how the city approaches economic development will likely have an impact on staff time in the coming year as well.

2015 Accomplishments

1. Saved the city approximately \$174,541.59 in 2015 by designing, staking, inspecting, and providing project management and engineering oversight on the following capital improvement projects:
 - Boyd Ave Reconstruction: 1st to Sharps Drive
 - 3rd Street Reconstruction: Oak to Pine
 - Meridian Storm Sewer Reconstruction: 1st St. to Broadway
 - Wastewater Treatment Plant Ph. 2 BNR Upgrade
 - YMCA Water and Sewer Extensions
 - Wheatridge & Duncan Street Extensions
2. Provided administrative and engineering support on the following projects that resulted in \$23,369.07 of revenue for the city:
 - Asbury Park Sewer Extension
 - Tractor Supply Water & Sewer Extensions
 - YMCA Public Water Line Extension
3. Performed building inspections and plan reviews for 17 new residential buildings and 2 multi-family buildings in Newton. Commercial and residential building permits combined were a total of 667, which came to a total permit value of \$30,937,892.
4. In addition to the daily tasks, building maintenance highlights for the year were:
5. Rebuilding the TAC system that controls HVAC at several city buildings due to hard drive failure. After necessary changes due to failing equipment in the old heating and cooling split system serving a portion of City Hall last year, a 3rd floor HVAC mechanical room was converted into usable space for city records. Hired a new maintenance staff member to assist with daily cleaning at the Service Center and Police Department. This was possible due to the retirement of an employee and changes to the cleaning contract with the county regarding Police Department space. Our maintenance specialist also logged hundreds of hours fixing things at the library, fire stations, service center,

city hall, Warkentin house, airport, and other city properties.

6. In April 2015, a strong storm hit Newton, causing city-wide storm damage. The library roofing material had been blown off and scattered south of the library. A 15-ton RTU was blown off the roof of Hangar X at the airport. The maintenance specialist tracked and coordinated repairs for these major items and many other minor repairs.
7. Responded to 1,103 environmental code violations and issued 20 sidewalk notices that ultimately fixed 2,624 square feet of sidewalk.
8. Newton received 29.08" of rain in 2015. This, along with regular storm water BMP inspection checks, prompted 303 different storm water inspections at construction sites following ½" or greater intensity rain events throughout Newton to be in compliance with our Storm Water Phase II NPDES permit.

2016 Objectives

1. Provide administrative and engineering support for building the improvement projects related to water, sewer, streets, rail, etc. supporting the KLP and airport.
2. Provide administrative and engineering support for building the improvement projects necessary to serve our water and sewer customers, i.e. sewer lining projects, construction of phase 2 improvements at the WWTP to meet changing EPA requirements and capacity issues, etc.
3. Provide administrative and engineering support for building the improvement projects necessary to serve the community and city operations, i.e. building maintenance improvement projects, capital street paving projects, residential street overlay, WWTP Reconstruction, etc..
4. Continue administration and implementation of our municipal storm water NPDES permit to comply with more stringent rules and regulations that EPA and KDHE will pass on to cities to enforce.
5. Continue to work with the development community to make Newton a desirable place to construct and improve upon our community infrastructure and resources.
6. Work as a team using E-Builder for construction tracking purposes.

Staff will be focusing on the following capital and planning projects for the 2016-17 calendar years:

- Completion of the WWTP Ph. 2 BNR Upgrades
- Adaptive Signal Controls on S. Kansas from 14th to Medical Center Drive
- S. Kansas Reconstruction: Quail Creek Ave-S. 24th Street
- Drainage Detention Project at Airport Gronau Addition with RCB under Oliver
- Sanitary Sewer Rehabilitation Project
- 18th & Grandview Drainage Project
- Kelsch Field Restroom-Concession Stand Reconstruction at Athletic Park
- Municipal Law Enforcement Facility Improvements
- Ground Level Water Tank Reconstruction on W. 1st Street
- Potential paving improvements on 1st Street E. of I-135
- Water & Sewer Master Plan
- Taxiway Lighting Improvements at Newton City-County Airport
- Airport Waterline Extension
- Slate Creek Improvements: Old Main to Plum
- 10th Street SWS
- Various improvements to serve proposed new multi-family housing additions
- Design Improvements to Increase Collection Capacity (Basin E)
- Water line extensions to serve the proposed Dog Park at Centennial Park
- Design Improvements to Increase Collection Capacity (Basin E)
- Annual Mill and Overlay Maintenance Projects
- Various Paving restoration projects considered for upcoming years.

2017 Objectives

1. Continue 2016 objectives that carry-over. Many infrastructure projects take multiple years to complete planning concepts, design, and construction.
2. Prepare for building and trade code updates in 2017-18.

**Engineering Division
Alignment with City Beliefs**

We support **growth** by assisting with the development of efficient, functional land subdivisions and appropriate, compatible land uses.

We preserve the **quality of life** through the enforcement of building, zoning, environmental codes, and construction standards, ensuring quality buildings and clean neighborhoods.

We enhance the **health and safety** by the application of the MUTCD as well as the life safety provisions of the building, fire, plumbing, electrical, mechanical, and property maintenance codes.

We show **respect for the environment** by keeping model codes up to date, which contain new provisions for energy efficiency and sustainability of buildings We implement water quality standards both during and after construction.

We support and encourage **civic engagement** through citizen participation on the planning commission and four advisory boards, drawing from the expertise and experience of each individual. We strive to educate the public on stormwater management issues and give school presentations to show public works functions. We respond to many citizen questions through the Kansan's Go-To-Gal.

We strive to be **fiscally responsible** by efficient operation, collection of user fees, and revenues from engineering services. We apply for grants to provide supplemental project funding when possible.

We are applying **progressive and innovative solutions** by seeking sustainable designs of capital projects. We are also reducing hard copy records to digital form and providing access to data forms and procedures via the City of Newton website.

DEPARTMENT EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	*-----2016-----*	2017 ADOPTED	
				BUDGET	REVISED	
ENGINEERING	344,975	435,875	452,023	574,232	517,284	606,310
Personnel Services	294,967	369,977	400,370	474,232	426,284	480,810
Contractual Services	20,955	29,484	18,744	65,100	57,100	59,000
Commodities & Services	7,721	15,081	16,909	14,900	13,900	19,500
Capital Outlay	-	-	-	-	-	25,000
Transfers Out	21,333	21,333	16,000	20,000	20,000	22,000

DEPARTMENT EXPENDITURES	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	*-----2016-----*	2017 ADOPTED	
				BUDGET	REVISED	
BUILDING MAINTENANCE	-	-	60,453	198,673	197,743	203,819
Personnel Services	-	-	-	76,673	61,743	81,819
Contractual Services	-	-	52,390	118,250	131,000	118,250
Commodities & Services	-	-	8,063	3,750	5,000	3,750
Capital Outlay	-	-	-	-	-	-
Transfers Out	-	-	-	-	-	-