August 2019 Proposed No Tax Increase Bond Projects / Initiatives

2019 No Tax Increase Bond Issue Project Information

Project Name: Aerial Fire Apparatus

Estimated Project Costs: $1,600,000

Project Timeframe: FY2020-21 (one year to acquire)

Project Scope/Details: The Fire Department currently has two front line aerial apparatus, commonly referred to as ladder trucks. The department has none in reserve, which inherently puts the department in a highly vulnerable position when one or both of the aerials trucks are down for maintenance, repair, or out of service due to long term incidents. This recommendation is noted in the 2017 ISO report line 549 and 553, the 2015 and 2019 Standards of Cover documents, and the 2016 accreditation report category 6C.2.

Project Narrative (describe project value to public): This project will bolster the department's aerial service and will allow for continued baseline aerial performance within the City when one of the front line aerials are out of service. This has a direct correlation to the Department's Standards of Cover and accreditation self-assessment documents and ISO report, and is critical in maintaining or enhancing effective response force times. The addition of a reserve aerial will help to eliminate the vulnerability of limited capacity and redundancy that the fire department currently has in its aerial apparatus fleet.

2019 No Tax Increase Bond Issue Project Information

Project Name: Live Burn Training Facility

Estimated Project Costs: $1,000,000

Project Timeframe: FY2021-22 (2 years to design/construct)

Project Scope/Details: The Fire Department currently has no live burn training capability within the department. This facility would provide that training aspect which will help prepare fire department personnel on strategy and tactics in responding to structure fires, and enhancing their abilities in combating fires. This would also meet the requirements of NFPA 1403, and is recommended in the 2016 accreditation report in core competency 8C.1. This training is currently met by travelling to neighboring departments live fire training facilities, when available.

Project Narrative (describe project value to public): This project will provide a needed training adjunct for the fire department for the certification of new personnel as they join the department, and will provide continual training for existing members. Currently this training does not exist within the City, but is a requirement for state certification for fire personnel. New and existing members who are required to receive this training must travel outside the City, with fire department apparatus, to obtain this at another fire department's facility. This draws down on our staffing and resources during the time they are out of the City. Conceptually this will be located at Fire Station #7 near the existing training facility. This could also be a source of revenue via user fees from other departments that need this type of training.

2019 No Tax Increase Bond Issue Project Information

Project Name: Fire Station #4

Estimated Project Costs: $7,000,000 (Capital expense including land, building and fire apparatus)

Project Timeframe: This would be in conjunction with the larger overall scope of the re-development of the norther portion of the City regarding fire protection. This is anticipated to begin within a 2-3 year period.

Project Scope/Details: This project is the second part of the redeployment of first response units in the northern portion of the City. Station #4 has long since reached its maximum capacity and also due to its age and location, is in need of replacement as noted in the 2015 and 2019 Standards of Cover and the 2016 accreditation report, sections 2B.5, 6B.1 and 6B.4. With an additional station in the northern portion of the City, it is intended that the location of new Station 4 would be re-located; effectively creating 2 fire response areas out of the area that was previously served by current Fire Station #4.

Project Narrative (describe project value to public): This project will replace an existing station that is in need of replacement. This will also serve to redistribute Fire Department response apparatus to better serve the current population and development and provide a much more efficient location to serve the northern area of the City in anticipation of a large amount of future development. This approach addresses two concerns in the replacement of an aging and outdated fire station, as well as prepare for future growth and expansion of services in the northern portion of the City.

2019 No Tax Increase Bond Issue Project Information

Project Name: Fire Station #5

Estimated Project Costs: $5,000,000 (Capital expense including land and building)

Project Timeframe: This project would replace current Fire Station #5 within 2-3 years

Project Scope/Details: Current Fire Station #5 has reached its capacity and can no longer accommodate additional units for further development or population expansion. This Station also does not conform to current standards on accommodations for personnel, technology advances, or health and wellness changes that have occurred for cancer prevention. Additionally the location of the current fire station #5 is not ideal to a long-term deployment plan, as described in the 2015 and 2019 Standards of Cover, and within the 2016 accreditation report sections 6B.1 and 6B.4.

Project Narrative (describe project value to public): This project will replace an existing station that has exceeded its service life. This will also serve to redistribute Fire Department response apparatus to better serve the current population and development and provide a much more effective location to serve the southern area of the City in anticipation of a large amount of future development. This approach addresses two concerns in the replacement of an aging and outdated fire station, as well as prepare for future growth and expansion of services in the southern portion of the City.

2019 No Tax Increase Bond Issue Project Information

Project Name: Fire Station #8

Estimated Project Costs: $6,000,000 (Capital expense including land, building and fire apparatus)

Project Timeframe: This would be in conjunction with the larger overall scope of the re-development of the northern portion of the City regarding fire protection. This is anticipated to begin within a 2-year time frame.

Project Scope/Details: Currently the Fire Department cannot meet stated response time goals to a vast portion in the northern part of the City. The addition of another fire station north of the existing fire station #4 would address response time concerns, and would allow for a re-allocation of existing resources that serve the northern portion of the City. This recommendation is also supported by the 2015 and 2019 Standards of Cover documents, as well as the 2016 accreditation report sections 6B.1 and 6B.4.

Project Narrative (describe project value to public): This project will expand services that are currently below the Fire Department's stated benchmark standards, specifically in relation to single unit response times as well as effective response force. This will position first response assets in an area to better serve this population as well as add additional units to the response matrix on high impact and high risks events that require multiple units. The value to the public is a greatly enhanced response model for first responders to arrive within stated response times, as is highlighted by the Fire Department's Standard of Cover documents and performance compliance reports.

2019 No Tax Increase Bond Issue Project Information

Project Name: Police in car video system replacement and body worn camera

Estimated Project Costs: $1,000,000

Project Timeframe: One (1) year

Project Scope/Details: Complete replacement of the current audio and video recording system in the patrol cars. Addition of body worn cameras and data storage solution.

Project Narrative (describe project value to public):
In car camera and body-worn camera systems are commonplace with policing in America. The camera systems provide transparency for the community and safety for law enforcement. In addition, both are great tools for capturing and documenting evidence of crime.

Our current system is unreliable and outdated technology. Picture quality, audio clarity, and range have all advanced. In addition, the degree of recording coverage has expanded with new technology. The courts have set expectations for securing and providing this electronic evidence. Failing to provide this evidence or losing this evidence due to antiquated systems leads to mistrust.

As of 2017, our current provider no longer supported the maintenance of our data server because of its age. In 2018, we discovered that the server hardware was no longer able to update because of its age. If the server were to fail, we would have no way of recovering the audio and video stored.

Society today has an expectation for transparency. Courts and Prosecutors rely on video and audio technology more today than ever. In many instances, it is more valuable than eyewitness testimony. Both systems have proven to provide additional evidence and perspective in critical situations.

2019 No Tax Increase Bond Issue Project Information

Project Name: Police/Courts Building Security Renovations

Estimated Project Costs: $5.5 million

Project Timeframe: 2.5 years post-funding

Project Scope/Details: The police building was constructed just over twenty years ago. While the building remains structurally sound, security needs have become more heightened and it does not meet standards for security for police, the courts, or the prosecutor's office. A study was commissioned in January 2019, for Treanor Architects to evaluate the building and produce recommendations for renovations, to address:

- Enhancing facility security and public access
- Improving customer service to the public through better design
- Increasing operational efficiency
- Meeting the needs of a workforce growing in diversity
- Providing work space that meets modern demands, thereby improving recruitment and retention of staff

While the study is not yet complete, the initial estimate to make building improvements to meet these needs is $5.5 million.

Project Narrative (describe project value to public):

Unfortunately, threats to government facilities, to include police and courts, have grown over the past two decades. Modern police buildings have restricted public access, yet still provide a welcoming environment for the variety of police services needed. Modern courts have screening procedures yet public access for routine matters, such as obtaining court records or paying fines. The structure of the current Police and Courts Building in Lee's Summit does not meet these needs. However, renovations could work within the current facility to provide good security along with an excellent citizen experience.

Within the Police and Courts Building, workspaces have grown, operational structures have adapted, and laws have changed with have created a need to rethink space design. Ideally, buildings should be structured to provide a "flow" that maximizes operational efficiency. Over time, as buildings age, spaces move, are retrofitted, and personnel structures change and prior designs suffer as a result. The Police and Courts Building needs to be restructured to meet contemporary needs.

The Police Department workforce is becoming more diverse. The number of women working for the police department is growing and the current locker room facilities need to be expanded. It is anticipated that this growth will continue in the coming years.

The work spaces for the Police and Courts are functionally good, although there is room for improvement to provide conveniences similar to comparator jurisdictions nearby. This becomes important for the recruitment and retention of staff.

2019 No Tax Increase Bond Issue Project Information

Project Name: NE Lakewood Way – North of Bowlin to N. City Limits

Estimated Project Costs: $2,000,000

Project Timeframe: 2 years post funding

Project Scope/Details: This section of road does not have shoulders along its length. This has been a concern of the Arbores HOA for some time due to occasional pedestrians along the road as well as drop-offs along the edge of pavement that can be dangerous for drivers. The proposed project is the addition of shoulders. Total length of project is approximately 1.5 miles.

Project Narrative (describe project value to public): The primary value of this project is increased safety along this stretch of road. Shoulders provide a safe place to pull over in an emergency, minimizes drop-offs at the edges of the driving lanes, and a safer place for pedestrians. A secondary benefit is decreased maintenance of unpaved shoulders.

2019 No Tax Increase Bond Issue Project Information

Project Name: NE Lakewood Way – Lakewood Ct to Bowlin

Estimated Project Costs: $5,000,000

Project Timeframe: 2- 3 years post funding

Project Scope/Details: The pavement in this section of road is in poor condition. There are no shoulders along most of this length, which increases maintenance and decreases safety. The proposed project is completely reconstruction of the roadway, adding shoulders. Total length of project is approximately 1.25 miles.

Project Narrative (describe project value to public): The primary value of this project is increased safety along this stretch of road. Shoulders provide a safe place to pull over in an emergency and minimizes drop-offs at the edges of the driving lanes. A secondary benefit is decreased maintenance of unpaved shoulders.

2019 No Tax Increase Bond Issue Project Information

Project Name: NE Orchard/NE Olive – Douglas to Chipman

Estimated Project Costs: $2,000,000

Project Timeframe: 2 – 3 years post funding

Project Scope/Details: These streets are in an older residential area. They do not have curb and gutter, enclosed storm drainage or sidewalks. The proposed project is the reconstruction of both Orchard (from Douglas to Olive) and Olive (from Orchard to Chipman) to meet current standards, essentially extending the Orchard St. project of a few years ago. Total length of project is approximately 0.5 mile.

Project Narrative (describe project value to public): The specific benefits of this project are increased safety for pedestrians by the addition of sidewalks, and improved drainage with the addition of an enclosed storm system. This project also provides improved access and connectivity for the surrounding neighborhood to the signal at Olive and Chipman, which connects to Commerce, and eventually Tudor, to the north. Intangible benefits are reinvestment in older neighborhoods that can encourage residents to improve properties and increase values in the area.

2019 No Tax Increase Bond Issue Project Information

Project Name: SE Douglas – 5th to Blue Pkwy

Estimated Project Costs: $3,000,000

Project Timeframe: 2 – 3 years post funding

Project Scope/Details: This street is in an older residential area. It does not have curb and gutter, enclosed storm drainage or sidewalks along its length. A number of residents in the area have requested improvements over the years. The proposed project is the reconstruction of the street to meet current standards, similar to the Orchard St. project a few years ago. Total length of project is approximately 0.5 mile.

Project Narrative (describe project value to public): The specific benefits of this project are increased safety for pedestrians by the addition of sidewalks, and improved drainage with the addition of an enclosed storm system. Intangible benefits are reinvestment in older neighborhoods that can encourage residents to improve properties and increase values in the area.

2019 No Tax Increase Bond Issue Project Information

Project Name: Network Infrastructure Priorities Phase I

Estimated Project Costs: $975,000

Project Timeframe: 1 – 2 years

Project Scope/Details:
Replace existing aerial fiber with new buried fiber:
-Along Douglas from fire station one, to police headquarters.
-From The intersection of Hamblen Rd and Bailey Rd to Public Works operations.

Lay new fiber network to complete network connectivity to all city facilities.
-Connect Water via 3rd, Ward and Persels
-Connect Fire Station 2, via Scruggs and Colbern Rd.
-Connect Harris Park via Jefferson
-Longview Rec Center, via 3rd St.

Project Narrative (describe project value to public):
There are two components to these projects. Those include replacement of aging existing infrastructure, and development of new infrastructure.

The City currently owns aerial fiber runs that connect several critical facilities, including Police Headquarters, City Hall, Animal Control and Public Works Operations. These lines are showing their age and we have been notified by our contractors that repairs and splices are now difficult because the glass fibers have become brittle, and will soon reach a point where a repair might not be able to be made. The lines are also aerial, attached to existing telecommunication and power poles. These aerial lines run in areas where there is significant tree cover, increasing the likelihood of downed limbs severing the network connections. The first component of this would be to bury fiber optic in the following locations:

The City currently leases fiber network from the LS R7 school district to connect several of its facilities. The balance of phase of I is to implement city owned fiber to connect city facilities for IT needs, as well as support the growing need for fiber networks in other departments. Including Public Works, Police, and Fire.

2019 No Tax Increase Bond Issue Project Information

Project Name: Network Infrastructure Priorities Phase II

Estimated Project Costs: $1,100,000

Project Timeframe: 2 –4 years

Project Scope/Details:
Utilizing a mix of new fiber and point-to-point wireless, develop redundant network links to all primary city facilities.

Project Narrative (describe project value to public):
Phase two of the network improvement plan will allow the city to develop redundant network connections to its facilities. In the event of an unplanned, or planned outage to one of the links to a site, the secondary link would be available to maintain a continuity of operations.

These connections would be a mix of new fiber installations, and lower cost point-to-point wireless devices. Making sure that primary buildings and connected intersection signals continue to operate in the event of a disruption in service elsewhere in the network. These secondary services are especially critical for the support of first responders. Currently, if a network connection is lost the site goes offline until the problem can be addressed. The outage, depending on the problem can keep facilities offline from a few minutes, to days.

Developing redundant paths and the ability to reduce network outages will allow Information Technology Services to maintain the expected level of service established with city departments.

2019 No Tax Increase Bond Issue Project Information

Project Name: Curb Replacement

Estimated Project Costs: Any amount available

Project Timeframe: Flexible

Project Scope/Details: Replacement of deteriorated curbs is an ongoing program. Staff estimates there is still more than $20,000,000 worth of curb work needed throughout the City. The annual curb program completes about $1,000,000 of work each year. The widespread deterioration of curbs is due to a poor quality of limestone available in the metro area in the 1990s and early 2000s. This issue was not discovered until deterioration became a problem for many cities. Once the issue was identified, specifications for aggregate in concrete were changed to prevent future problems.

Project Narrative (describe project value to public): The benefits of this project are increased safety for drivers as well as protection of existing pavements. The large cracks and holes in the gutter can be hazardous for drivers and potentially cause damage to vehicles. The cracks and holes also allow additional water to infiltrate beneath the adjacent pavement causing soft areas in the subgrade that can result in cracking and potholes in the pavement.

2019 No Tax Increase Bond Issue Project Information

Project Name: Sanitary sewer and water line infrastructure for east annexation area (950 acres)

Sanitary Sewer:

- The sanitary sewer collection lines within the 950 acres may or may not be constructed up front. Water Utilities developed an estimate, however some of these lines may be constructed as part of the individual development - so the cost may vary from the $4,836,000 estimate provided.
- A pump station is only necessary if sanitary sewer infrastructure is not constructed from the 950 acres to the Big Creek Interceptor. The estimated cost of the pump station $4,926,450 offsets the estimated cost of the gravity system to the Big Creek Interceptor $4,778,250.
- The Big Creek Interceptor has only been constructed to the Phase 1 line cutoff. Ultimately, the Big Creek Interceptor will be extended to take the place of the Greenwood Pump Station, which is operated by Little Blue Valley Sewer District. The Big Creek Interceptor will need to be constructed before the 950 acres may connect to the system by gravity. A timeline to extend this Big Creek Interceptor has not been established and the estimated cost to extend the interceptor is $4,709,250. Water Utilities has begun discussions with Little Blue/Middle Big Creek Sewer Districts about this improvement and maintains a seat on the Board of Directors for the Little Blue Valley and Middle Big Creek sewer districts.
- Total Cost for the Complete Gravity System is estimated to be $14.3 Million Dollars. $4.7 million of that could be split if reimbursed by Middle Big Creek if we cannot wait for them to construct it.
- The total estimated cost of the sanitary sewer infrastructure for the pump station option would be $9.7 million, however it would be necessary to upsize Legacy Wood Pump Station and possibly Scruggs Pump Station. Estimated costs to upgrade these two pump stations has not been prepared at this time.

At this time, Water Utilities believes the desired option to provide sanitary sewer to this area would be achieved by the gravity system flowing to the south (Middle Big Creek/Big Creek)

Water:

- Development of the 950 acres will require the extension of a 12-inch water main along the south side of 50 Highway from Ranson Rd. to Smart Rd. The estimated cost for this improvement is $1,723,500. The water lines within the 950 acres should follow with the major road construction and will likely be included in the developers' costs.

Project Timeframe:

To be determined