Innovative approaches
Practical results
Outstanding service

CAPITAL IMPROVEMENTS PLAN

Prepared for:

City of Quinlan

October 2020

Prepared by:

FREESE AND NICHOLS, INC.
2711 North Haskell Avenue, Suite 3300
Dallas, Texas 75204
214-217-2200

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Texas Registered Engineering Firm
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FNI Project Number: QNL18498

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1.0 INTRODUCTION

The City of Quinlan contracted with Freese and Nichols, Inc. (FNI) in 2018 to prepare a Capital Improvement Plan (CIP) as part of the development of a new Comprehensive Plan. The primary goal of the CIP outlines the projected infrastructure improvement needs of the city to assist in the planning and budgeting process. Projects consist of roadways, storm drainage, facility, and major equipment needs.

1.1 SCOPE OF WORK

The major scope elements of the CIP include:

- List of eligible projects to be included
  - Develop preliminary list with cost estimates from projects recommended in the Comprehensive Plan, and drainage recommendations
  - Work with City Staff to identify other existing projects to be included
  - Work with City Staff, CPAC members, or City Council to review and refine the project list, project scopes, and implementation timelines
- Project ranking system for prioritization of the eligible projects
  - Develop a recommended CIP project ranking system
  - Work with City Staff to refine ranking criteria for project priorities
- Capital Improvements Plan
  - Identify current and potential funding sources
  - Recommended list of prioritized infrastructure needs for a 10-year outlook (with estimated cost, tiered implementation schedule, and funding source)

2.0 DESCRIPTION

2.1 DEFINITION

A Capital Improvements Plan (CIP) is a multi-year flexible plan outlining the goals and objectives regarding public facilities for The City of Quinlan. This plan includes the development, modernization, or replacement of physical infrastructure facilities. For a project to be defined as a capital project it should generally exceed $50,000 in cost, be nonrecurring, provide at least 5 years of benefit and be an addition to the City's assets; however, a project may be required to meet additional defining criteria depending on the financing to be used for its implementation. Examples of capital improvement projects are roads, utilities, drainage structures, parks, and other municipal facilities.

2.2 GOAL

The goal for the development of a CIP is a plan that outlines the projected infrastructure improvement needs of the city to assist in the planning and budgeting process. Other goals of the plan are to identify funding sources, support the comprehensive plan, include realistic and relevant projects, and include realistic assessments of project scope and cost. This plan provides a 10-yr outlook and includes a description of the improvements, estimated costs, a general timing schedule, and a potential source of funding for each project. The CIP will prioritize the identified projects into suggested implementation tiers. Tiers will be categorized as 0-5 years or "Tier 1" needs, and 6-10 years or "Tier 2" needs. Because the city's goals and resources are constantly changing, this plan is designed to be re-evaluated each year to reaffirm, reprioritize, or reschedule the capital improvement projects.

2.3 PRIORITIZATION

The prioritization of the eligible projects is done by a CIP ranking system. Each potential project must first be classified as a CIP project according to the general definition above. If the above criteria are met, the project will be given a key ranking and a technical ranking. These two rankings will be combined, producing a CIP score for the project. Based on this CIP score the projects will be grouped into suggested implementation tiers spanning the next ten (10) years. The components and scoring scale that make up the ranking system are attached.

2.4 PROJECT TYPES

After the overall CIP score is assigned to each project, the projects will be re-aligned based on the project type. These types would include Roadways, Storm Drainage, Facilities, and Major Equipment.

2.5 FUNDING

Funds for CIP projects should be identified and updated on an annual basis. Projects identified in the CIP may be funded by different sources. General Obligation (GO) Bonds, Revenue Bonds, Certificates of Obligation (COs), Direct Funding, Cooperative Efforts and Grants are a few of the different options for funding the CIP projects. Projects will be evaluated based on availability and source of funding.

2.6 SCHEDULING OF PROJECTS

A schedule will be developed to determine where each project fits in the suggested implementation tiers based on the available funding and project ranking. How a project correlates with other CIP projects will also be considered. In any event, the City Council will retain full discretion to determine the final priorities, scheduling, and funding of any projects.

2.7 PRODUCTION OF CIP PLAN

The final proposed CIP documents will be produced based on the evaluation of the CIP Score, Project Type, Funding, and General Implementation Schedule. The documents will summarize project implementation and include the relevant project information summarized in a project summary sheet. The City Council will have approval authority for the final CIP document. The CIP should be re-evaluated at least annually to align growth, needs and budgeting.

3.0 RANKING CRITERIA

3.1 KEY RANKING

1) **Infrastructure (30%) –** This term defines items relating to infrastructure needs for The City of Quinlan. Items such as waterlines, sewer lines, streets, buildings, facilities, and drainage systems would be included as infrastructure. The score could be based on answers to the following example questions:
    A. Does the project provide additional capacity or upgrade an existing system?
    B. Is there well-coordinated growth of the community and services?
    C. Is the facility exceeding its useful life?
    D. What is the degree of aging of the existing facility?
    E. Do the resources spent on maintenance justify replacement?
    F. Is the system outdated?

Scoring Scale:

1	3	5	7	10
The level of need to the system is low.	↔	The project is divided between the levels of need the project provides.	↔	The level of need is high; it has exceeded its useful life.

2) **Transportation (25%) –** An excellent transportation system provides an efficient and effective balance between access and mobility. A project to improve traffic flow on a major corridor would greatly impact transportation. A parks project would not have an effect upon the transportation system. The score could be based on answers to the following example question:
    A. Does the project incorporate access management and/or context sensitive design techniques?
    B. Will the project improve the public transportation system (mass transit)?
    C. Is the project part of the Thoroughfare Plan?
    D. Does the project improve traffic safety?
    E. Does the project improve the level of service (LOS)?

Scoring Scale:

1	3	5	7	10
The project does not affect the transportation system in the City	↔	The project will have some impact on the transportation system in the City.	↔	The project greatly improves the transportation system in the City.

3) **Image (20%) –** Image is a characteristic that makes the city a favorable place to live. A park with amenities to satisfy all citizens, landscaped entrances into the City and low crime rate all affect the city's image. A city maintenance building is an example of a project that does not directly affect the citizen's image. The score could be based on answers to the following example questions:
    A. Will the project improve the appearance and image of the City?
    B. Does the project enhance the quality of life of the citizens?
    C. Does the project promote a positive visual image?
    D. Is Non-residential development aesthetically pleasing?
    E. Will the project attract new residents to the City?

Scoring Scale:

1	3	5	7	10
The project does not affect the image of the City	↔	An equal portion of the project will impact image as well contribute to other areas of quality of life.	↔	The project greatly impacts the image and quality of life for citizens of the City.

4) **Quality Development (15%) –** Quality development correlates with items the city can do to attract quality developers, businesses, and corporations to call Quinlan home. Providing the needed infrastructure to grow areas of the city would score high. Reconstructing a storm drain line through a residential neighborhood would score low in the quality development category. The score could be based on answers to the following example questions:
    A. Will the project attract retail and/or economic development?
    B. Will the project attract non-residential development to diversify tax-base?
    C. Will the project revitalize a historic or cultural area of resources?
    D. Will the project attract new residents and tourism to the City?
    E. Does the project support the desire for balanced development?
    F. Does the project support the economic development strategic plan?

Scoring Scale:

1	3	5	7	10
The project will not aid in encouraging quality development	↔	An equal portion of the project will promote quality development as well as have no impact.	↔	The project will encourage quality development.

5) **Local Preference (10%) –** Local preference considers how a project impacts the goals or best interest of the community or neighborhood. The score could be based on answers to the following example questions:
    A. Is the project a local or neighborhood priority?
    B. Does the project support the goals of the community?
    C. Does the project provide enhanced quality of life?
    D. Does the project serve a local need?

Scoring Scale:

1	3	5	7	10
The project does not support the goals or best interest of the community or neighborhood	↔	An equal portion of the project supports the goals or best interest of the community or neighborhood	↔	The project supports the goals or best interest of the community or neighborhood

3.2 TECHNICAL RANKING

6) **Regulatory Compliance (30%) –** This criterion includes regulatory mandates such as sewer line capacity, fire flow/pressure demands, storm water/creek flooding problems. These mandates could come from agencies such as EPA, TCEQ, ADA/TDLR, as well as address the ISO rating. The score could be based on answers to the following example questions:

   A. The project addresses an existing or future mandate?
   B. Will the future project impact foreseeable regulatory issues?
   C. Does the project promote long-term regulatory compliance?
   D. Does this project satisfy a Federal Mandate?
   E. Does this project satisfy a State Mandate?

Scoring Scale:

1	3	5	7	10
The project is not justified by regulatory compliance	↔	The project addresses future or foreseeable regulations.	↔	The project will satisfy current or scheduled regulatory compliance.

7) **Local Efficiency (25%) –** The efficiency of the project is an important piece of a project. If the project is not needed for many years, it would score low in this category. If the project is close in proximity to many other projects and/or if a project may need to be completed before another one can be started it would score high in this category. The score could be based on answers to the following example questions:

   A. When is the project needed?
   B. Do other projects require this one to be completed first?
   C. Does this project require others to be completed first?
   D. Can this project be done in conjunction with other projects? (ex. waterline/sanitary sewer/paving improvements all within one street)
   E. Will it be more economical to build multiple projects together (reduced construction costs)?
   F. Will it help in reducing overall neighborhood disruptions year after year?
   G. Does the project have a high degree of readiness to move the project towards completion?
   H. Is the project a planned or phased continuation of a previously implemented project?

Scoring Scale:

1	3	5	7	10
The project does not have an efficiency component	↔	The project has one timing/location factor critical to it.	↔	The project is critically dependent on other projects.

8) **Impact on Operational Budget (25%) –** Some projects may affect the operating budget for the next few years or for the life of the facility. A fire station will need to be staffed and supplied, therefore having an impact on the operational budget for the life of the facility. Replacing a waterline will not require any additional resources from the operational budget. The score could be based on answers to the following example questions:

   A. Will the new facility require additional personnel to operate?
   B. Will the new facility require significant annual maintenance?
   C. Will the new facility require additional equipment not included in the project budget?
   D. Will the new facility reduce time and resources of city staff maintaining current outdated systems? This would free up staff and resources, having a positive effect on the operational budget.
   E. Will the efficiency of the project save money and is there a revenue opportunity?

Scoring Scale:

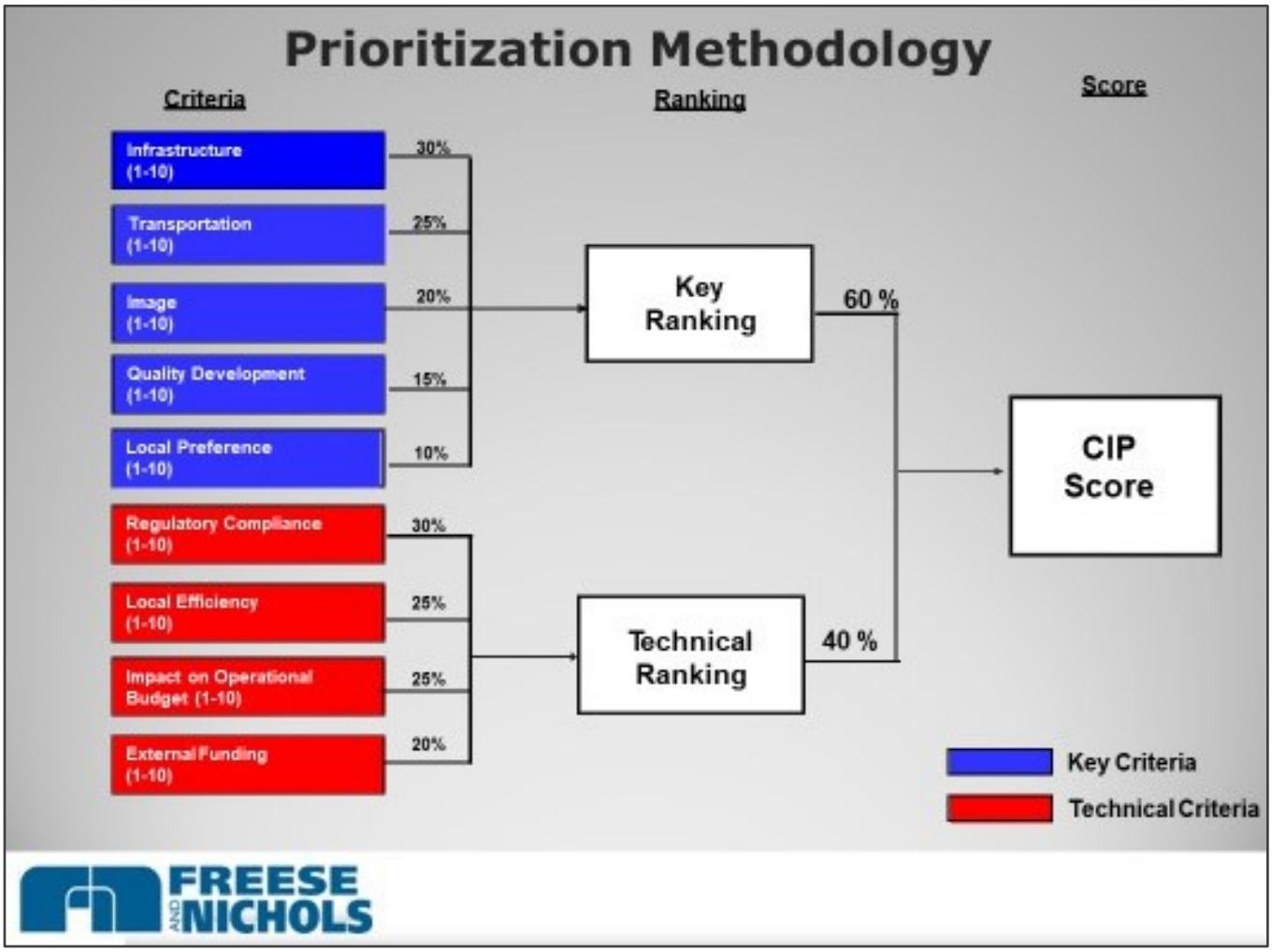
1	3	5	7	10
The project will require additional money to operate.	↔	The project will not affect the operating budget.	↔	The project will have significant savings in time and materials because of efficiency.

9) **External Funding (20%) –** Capital improvement projects can be funded through sources other than the City funds. Developer funding, grants through various agencies, and donations can all be sources of external funding for a project. The percentage of total cost funded by an outside source will determine the score in this category.

Scoring Scale:

0	2	4	6	8	10
0% External Funding	1%-20% External Funding	21%-40% External Funding	41%-60% External Funding	61%-80% External Funding	81%-100% External Funding

3.3 PRIORITIZATION METHODOLOGY



4.0 ROADWAYS

The 2020 Comprehensive Plan, Table 14. Recommended Network Additions, suggests four (4) new roadway projects and a general timing of implementation within the next 10 years:

Recommended Network Additions

Roadway	Limits
SH 276 Bypass	SH 276 to CR 2300
SH 276 Bypass Extension	CR 2300 to SH 34
Main Street Extension	SH 34 to E Quinlan Pkwy
CR 2276 Extension	5th St to SH 276

The SH 276 Bypass and SH 276 Bypass Extension projects have been funded by the Texas Department of Transportation (TXDOT) and are currently underway. Information on these projects may be found on the TXDOT website in the Project Tracker application. Main Street Extension and CR 2276 Extension are included in this CIP. The street types recommended in the Comprehensive Plan (functional class, cross-section, material, etc.) were used to estimate cost. Separate listings for ROW, design, and construction phases were included as options for funding breakout. No other roadway projects were identified by the City to be included.

Pavement Management - Building and maintaining a good street system is a major expense for cities. Having a good pavement management system in place will help minimize the expense. Street condition can improve significantly in a short period of time with a simple pavement management system. These systems do not have to be expensive to be effective, especially in smaller cities. A good system can be started using an Excel spreadsheet. Two keys are 1) keeping a current inventory of street assets and 2) keeping a tracked condition rating of each street. A street inventory and condition analysis was last conducted for Quinlan in 2001. Inventory and condition should be updated at least every 2 -3 years. It is the basis for choosing when and how to fund and make improvements. The North Central Texas Council of Governments (NCTCOG) recently added a pavement analysis services contract to their north Texas SHARE program. The SHARE program provides the benefit of economy of scale through a competitive procurement on a regional level which lowers costs for smaller cities. It is recommended that the City of Quinlan develop a pavement management system within the next 2 years to support the decision-making process for providing and maintaining serviceable streets.

5.0 STORM DRAINAGE

The 2020 Comprehensive Plan includes three main recommendations to enhance City drainage Services:

1) Adoption of Drainage Design Standards
2) Creation of a Stormwater Master Plan
3) Implementation of a Stormwater Utility Fee

Development of the Stormwater Master Plan is recommended to be included for implementation in this CIP. The Quinlan Community Park Drainage Channel Improvements project was identified by city staff to be included. Cost is included in the channel improvements project for design services which could be broken out as a separate project for funding in the CIP.

Recommended Comprehensive Plan and City Staff Projects

CIP Storm Drainage Improvements
Create a Stormwater Master Plan
Quinlan Community Park Drainage Channel Improvements

As part of an effort to work with City staff to identify stormwater drainage infrastructure projects to be included in future CIPs, FNI evaluated recommendations from the City's 2001 Storm Drainage System Study performed by Hayter Engineering Inc. This study is included for reference as Appendix A.

Recommendations outlined in the report are summarized in italics below. FNI recommendations and additional considerations are bold-faced:

1) *Require that future culverts be of reinforced concrete pipe (RCP) with tapered end sections* – **Generally agree.**
2) *Require minimum 15" diameter for future culverts* – **Generally agree.**
3) With regard to grassed channels:
    a. *Limit flow velocities to six feet per second or less* – **Generally agree.**
    b. *Limit side slopes of grassed channels to 3:1 (horizontal to vertical) or flatter* – **Generally agree.**
4) *Work with TxDOT to address drainage problems along state-maintained highways* – **Generally agree; may evaluate additional opportunities for grant funding from the state and other regulatory agencies for major drainage projects.**
5) *Purchase a motor grader or similar equipment to maintain borrow ditches and establish a regular drainage ditch maintenance program* – **Generally agree.**

6) With regard to new drainage facilities:

   a. *Design for a minimum 10-year frequency interval. Provide positive overflow. Prohibit lot-to-lot drainage* – **Recommend requiring a greater level of service. North Central Texas Council of Governments (NCTCOG) integrated Stormwater Management (iSWM) program and widely accepted best practice utilizes a 100-year frequency interval as the flood protection standard. Generally agree with positive overflow and lot-to-lot drainage requirements.**

   b. *Require drainage easements to allow for maintenance of City-owned drainage facilities* – **Generally agree; Recommend developing standard easement criteria for common drainage facilities.**

   c. *Require curb and gutter for all new street sections* – **Generally agree.**

   d. *Require profile drawing of ditches to ensure 1% slope requirement is met* – **Generally agree.**

7) *Consider requiring on-site detention for new development* – **Recommend implementing iSWM downstream assessment criteria for development projects. The purpose of the downstream assessment is to protect downstream properties from increased flooding and downstream channels from increased erosion potential due to upstream development by requiring an engineering evaluation of pre- and post-development hydrologic conditions (namely peak discharges, velocities, and total runoff volume). Developers would be required to mitigate any adverse impacts due to development, which is commonly accomplished through installation of on-site detention but may also be accomplished by integrated site design practices, regional detention facilities, and construction of additional drainage infrastructure.**

8) *Fund enhanced maintenance of existing borrow ditches and drainage facilities* – **Generally agree; this could be accomplished in part by the implementation of a stormwater utility fee.**

9) *Implement and complete improvements recommended as "Priority 1" in the 2001 study by 2005* – **Recommend re-evaluating drainage projects identified in 2001 study with greater level of service (100-year, recommended) and updated rainfall data from National Oceanic and Atmospheric Administration (NOAA) Atlas 14. Drainage basins and rational method used in the 2001 study may be used as a basis with updated rainfall intensities to get a conceptual estimate for flows and required pipe sizes. A more detailed evaluation could also be completed in conjunction with the stormwater master plan outlined as Recommendation PF-D1.**

10) *Implement and complete improvements recommended as "Priority 2" in the 2001 study by 2010* – **See Note i.**

6.0 FACILITIES AND MAJOR EQUIPMENT

The 2020 Comprehensive Plan identified the following public facility improvements and major equipment needs for implementation in the CIP:

Recommended Comprehensive Plan Projects

Project Type	Project Name
Facilities New	Aggregate and Maintenance Material Storage - Crushed Rock, Gravel, Dirt, Asphalt
Facilities New	Police Vehicle Covered Parking Area
Facilities New	Vehicles, Equipment, and Supplies Storage
Facilities New	Vehicle and Equipment Maintenance Building
Facilities Improvement	City Hall Improvements - Enhanced Security
Facilities Improvement	Municipal Court Building Improvements - Additional Office Space
Facilities Improvement	Police Station Renovation - Add Front Lobby/Reception, Increase Storage Space
Facilities Improvement	City Hall Improvements - Building Addition
Facilities Improvement	Municipal Court Building Improvements – Enhanced Security
Equipment	Fire Truck

Facilities New project types are needs that require a newly constructed asset or reconstruction of an existing facility such as the Police Covered Parking Area which will provide a covered and secure parking area for service vehicles.

Facilities Improvement project types are needs that require an addition or modification to an existing facility such as City Hall Enhanced Security. This project includes modifications for security improvements such as alarms, cameras, and controlled access by keypad or fob. City Hall Building Addition is also included in the Facilities Improvement project type category that includes an addition to the existing building for new office space, a dedicated training room, a conference room/breakroom, and locker room.

Equipment project types are major equipment pieces that support a large service, are vital to an operation, and have a long-life expectancy. A good example is a fire truck which is included in the recommended CIP.

7.0 CAPITAL IMPROVEMENTS PLAN

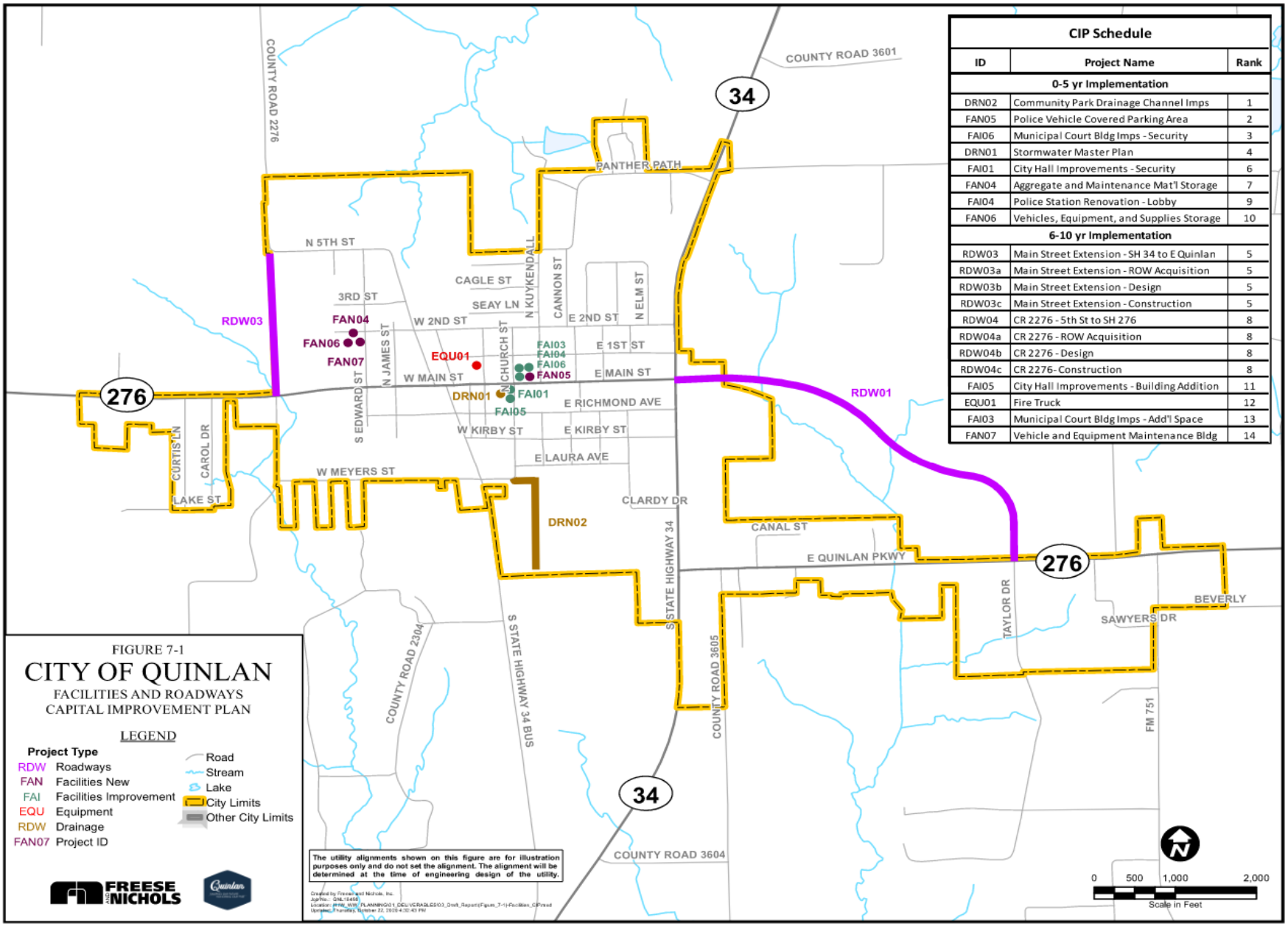
Projects listed herein are "conceptual" in nature and should be considered as preliminary or in a planning phase. Final scope for the purpose of bidding or obtaining construction quotes is NOT defined. The cost associated with each project is a preliminary estimate based on information known to the engineer and their best judgement. All costs are in 2020 dollars and represent a total project cost.

7.1 PROJECTS LISTING

Projects Listing

ID	Type	Name	Cost
RDW03	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy	$9,650,000.00
RDW03a	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - ROW Acquisition	$450,000.00
RDW03b	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Survey & Engineering Design	$600,000.00
RDW03c	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Construction	$8,600,000.00
RDW04	Roadway	CR 2276 - 5th St to SH 276	$3,980,000.00
RDW04a	Roadway	CR 2276 - 5th St to SH 276 - ROW Acquisition	$130,000.00
RDW04b	Roadway	CR 2276 - 5th St to SH 276 - Survey & Engineering Design	$250,000.00
RDW04c	Roadway	CR 2276 - 5th St to SH 276 - Construction	$3,600,000.00
FAN04	Facilities New	Aggregate and Maintenance Material Storage - Crushed Rock, Gravel, Dirt, Asphalt	$90,000.00
FAN05	Facilities New	Police Vehicle Covered Parking Area	$170,000.00
FAN06	Facilities New	Vehicles, Equipment, and Supplies Storage	$100,000.00
FAN07	Facilities New	Vehicle and Equipment Maintenance Building	$470,000.00
FAI01	Facilities Improvement	City Hall Improvements - Enhanced Security	$15,000.00
FAI03	Facilities Improvement	Municipal Court Building Improvements - Additional Office Space	$610,000.00
FAI04	Facilities Improvement	Police Station Renovation - Add Front Lobby/Reception, Increase Storage Space	$460,000.00
FAI05	Facilities Improvement	City Hall Improvements - Building Addition	$940,000.00
FAI06	Facilities Improvement	Municipal Court Building Improvements - Enhanced Security	$20,000.00
EQU01	Equipment	Fire Truck	$750,000.00
DRN01	Drainage	Stormwater Master Plan	$250,000.00
DRN02	Drainage	Quinlan Community Park Drainage Channel Improvements	$460,000.00

7.2 PROJECT LOCATION MAP



7.3 PROJECTS BY OVERALL RANKING

Projects by Overall Ranking

ID	Type	Name	Cost	Infrastructure	Transportation	Image	Quality Development	Gathering Place	Regulatory Compliance	Local Efficiency	Impact on Oper Budget	External Funding	Total Score	Rank
DRN02	Drainage	Quinlan Community Park Drainage Channel Improvements	$460,000.00	10	1	7	6	10	3	1	3	1	47.70	**1**
FAN05	Facilities New	Police Vehicle Covered Parking Area	$170,000.00	10	1	5	5	7	1	3	7	1	46.20	**2**
FAI06	Facilities Improvement	Municipal Court Building Improvements - Enhanced Security	$20,000.00	8	1	8	5	10	1	1	7	1	46.00	**3**
DRN01	Drainage	Stormwater Master Plan	$250,000.00	1	1	7	5	5	5	10	10	1	46.00	**4**
RDW03	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy	$9,650,000.00	6	7	7	8	5	1	1	3	1	45.90	**5**
RDW03a	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - ROW Acquisition	$450,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
RDW03b	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Survey & Engineering Design	$600,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
RDW03c	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Construction	$8,600,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
FAI01	Facilities Improvement	City Hall Improvements - Enhanced Security	$15,000.00	8	1	7	5	10	1	1	7	1	44.80	**6**
FAN04	Facilities New	Aggregate and Maintenance Material Storage - Crushed Rock, Gravel, Dirt, Asphalt	$90,000.00	10	1	3	5	5	1	3	9	1	44.60	**7**
RDW04	Roadway	CR 2276 - 5th St to SH 276	$3,980,000.00	5	6	7	7	5	1	1	4	1	42.70	**8**
RDW04a	Roadway	CR 2276 - 5th St to SH 276 - ROW Acquisition	$130,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**
RDW04b	Roadway	CR 2276 - 5th St to SH 276 - Survey & Engineering Design	$250,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**
RDW04c	Roadway	CR 2276 - 5th St to SH 276 - Construction	$3,600,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**
FAI04	Facilities Improvement	Police Station Renovation - Add Front Lobby/Reception, Increase Storage Space	$460,000.00	8	1	8	5	10	1	1	3	1	42.00	**9**
FAN06	Facilities New	Vehicles, Equipment, and Supplies Storage	$100,000.00	8	1	3	5	5	1	3	9	1	41.00	**10**
FAI05	Facilities Improvement	City Hall Improvements - Building Addition	$940,000.00	7	1	8	5	10	1	1	3	1	40.20	**11**
EQU01	Equipment	Fire Truck	$750,000.00	1	1	10	10	10	1	1	5	1	38.30	**12**
FAI03	Facilities Improvement	Municipal Court Building Improvements - Additional Office Space	$610,000.00	8	1	7	5	5	1	1	3	1	37.80	**13**
FAN07	Facilities New	Vehicle and Equipment Maintenance Building	$470,000.00	8	1	1	3	5	1	1	6	1	31.80	**14**

Projects RDW03a, RDW03b, RDW03c, RDW04a, RDW04b, RDW04c, assigned the same CIP Score and Ranking as the parent projects RDW03 and RDW04

7.4 PROJECTS BY PROJECT TYPE RANKING

Projects by Project Type Ranking

ID	Type	Name	Cost	Infrastructure	Transportation	Image	Quality Development	Gathering Place	Regulatory Compliance	Local Efficiency	Impact on Oper Budget	External Funding	Total Score	Rank
DRN02	Drainage	Quinlan Community Park Drainage Channel Improvements	$460,000.00	10	1	7	6	10	3	1	3	1	47.70	**1**
DRN01	Drainage	Stormwater Master Plan	$250,000.00	1	1	7	5	5	5	10	10	1	46.00	**4**
EQU01	Equipment	Fire Truck	$750,000.00	1	1	10	10	10	1	1	5	1	38.30	**12**
FAI06	Facilities Improvement	Municipal Court Building Improvements - Enhanced Security	$20,000.00	8	1	8	5	10	1	1	7	1	46.00	**3**
FAI01	Facilities Improvement	City Hall Improvements - Enhanced Security	$15,000.00	8	1	7	5	10	1	1	7	1	44.80	**6**
FAI04	Facilities Improvement	Police Station Renovation - Add Front Lobby/Reception, Increase Storage Space	$460,000.00	8	1	8	5	10	1	1	3	1	42.00	**9**
FAI05	Facilities Improvement	City Hall Improvements - Building Addition	$940,000.00	7	1	8	5	10	1	1	3	1	40.20	**11**
FAI03	Facilities Improvement	Municipal Court Building Improvements - Additional Office Space	$610,000.00	8	1	7	5	5	1	1	3	1	37.80	**13**
FAN05	Facilities New	Police Vehicle Covered Parking Area	$170,000.00	10	1	5	5	7	1	3	7	1	46.20	**2**
FAN04	Facilities New	Aggregate and Maintenance Material Storage - Crushed Rock, Gravel, Dirt, Asphalt	$90,000.00	10	1	3	5	5	1	3	9	1	44.60	**7**
FAN06	Facilities New	Vehicles, Equipment, and Supplies Storage	$100,000.00	8	1	3	5	5	1	3	9	1	41.00	**10**
FAN07	Facilities New	Vehicle and Equipment Maintenance Building	$470,000.00	8	1	1	3	5	1	1	6	1	31.80	**14**
RDW03	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy	$9,650,000.00	6	7	7	8	5	1	1	3	1	45.90	**5**
RDW03a	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - ROW Acquisition	$450,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
RDW03b	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Survey & Engineering Design	$600,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
RDW03c	Roadway	Main Street Extension - SH 34 to E Quinlan Pkwy - Construction	$8,600,000.00	0	0	0	0	0	0	0	0	0	45.90	**5**
RDW04	Roadway	CR 2276 - 5th St to SH 276	$3,980,000.00	5	6	7	7	5	1	1	4	1	42.70	**8**
RDW04a	Roadway	CR 2276 - 5th St to SH 276 - ROW Acquisition	$130,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**
RDW04b	Roadway	CR 2276 - 5th St to SH 276 - Survey & Engineering Design	$250,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**
RDW04c	Roadway	CR 2276 - 5th St to SH 276 - Construction	$3,600,000.00	0	0	0	0	0	0	0	0	0	42.70	**8**

Projects RDW03a, RDW03b, RDW03c, RDW04a, RDW04b, RDW04c, assigned the same CIP Score and Ranking as the parent projects RDW03 and RDW04

7.5 PROJECT SUMMARIES

City of Quinlan			
DRAFT Capital Improvement Project Summary Sheet			**Date: 10/22/2020**
Project ID:	***RDW03***	**Project Type:**	***Roadway***
Project Name:	***Main Street Extension - SH 34 to E Quinlan Pkwy***		
Project Description:			
The project includes ROW acquisition, design, and construction of Main Street from State Highway 34 to E Quinlan Parkway. It extends Main Street approximately 1 mile in length. Alignment and cross-section are based on the proposed thoroughfare plan. The functional classification is a 2-Lane Urban Boulevard. It includes 24-foot wide concrete pavement with intergral concrete curb & gutter, a raised curbed median, and sidewalks.			
Implementation Timing:	***6 - 10***	**Opinion of Probable Cost:**	*$9,650,000.00*
Comments:			

City of Quinlan			
DRAFT Capital Improvement Project Summary Sheet			**Date: 10/22/2020**
Project ID:	***RDW03a***	**Project Type:**	***Roadway***
Project Name:	***Main Street Extension - SH 34 to E Quinlan Pkwy - ROW Acquisition***		
Project Description:			
Project RDW03 ROW aquistion only			
Implementation Timing:	***6 - 10***	**Opinion of Probable Cost:**	*$450,000.00*
Comments:			

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW03b*	**Project Type:**	*Roadway*
Project Name:	*Main Street Extension - SH 34 to E Quinlan Pkwy - Survey & Engineering Design*		
Project Description:			
Project RDW03 design only			
Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$600,000.00*
Comments:			

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW03c*	**Project Type:**	*Roadway*
Project Name:	*Main Street Extension - SH 34 to E Quinlan Pkwy - Construction*		
Project Description:			
Project RDW03 construction only			
Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$8,600,000.00*
Comments:			

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW04*	**Project Type:**	*Roadway*
Project Name:	*CR 2276 - 5th St to SH 276*		
Project Description:			

The project includes ROW acquisition, design, and construction of County Road 2276 from 5th Street to State Highway 276. It is a new section of CR 2276 approximately 3/8-mile in length. Alignment and cross-section are based on the proposed thoroughfare plan. The functional classification is a 2-Lane Minor Arterial. It includes 24-foot wide concrete pavement with intergral concrete curb & gutter, a raised curbed median, and sidewalks.

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$3,980,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW04a*	**Project Type:**	*Roadway*
Project Name:	*CR 2276 - 5th St to SH 276 - ROW Acquisition*		
Project Description:			

Project RDW04 ROW aquistion only

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$130,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW04b*	**Project Type:**	*Roadway*
Project Name:	*CR 2276 - 5th St to SH 276 - Survey & Engineering Design*		
Project Description:			
Project RDW04 design only			
Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$250,000.00*
Comments:			

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*RDW04c*	**Project Type:**	*Roadway*
Project Name:	*CR 2276 - 5th St to SH 276 - Construction*		
Project Description:			
Project RDW04 construction only			
Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$3,600,000.00*
Comments:			

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAN04*	**Project Type:**	*Facilities New*
Project Name:	*Aggregate and Maintenance Material Storage - Crushed Rock, Gravel, Dirt, Asphalt*		
Project Description:			

This project includes construction of four (4) concrete block wall storage bins to be used to separate and store aggregates, asphalt, and other materials frequently used for construction and maintenance of public facilities and rights of way.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$90,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAN05*	**Project Type:**	*Facilities New*
Project Name:	*Police Vehicle Covered Parking Area*		
Project Description:			

This project includes construction of a covered and secured parking area for police department vehicles, officers, and staff at the City Office located at 104 E. Main Street.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$170,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAN06*	**Project Type:**	*Facilities New*
Project Name:	*Vehicles, Equipment, and Supplies Storage*		
Project Description:			

This project is for construction of a covered parking and storage area for Public Works equipment, vehicles and supplies

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$100,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAN07*	**Project Type:**	*Facilities New*
Project Name:	*Vehicle and Equipment Maintenance Building*		
Project Description:			

This project includes construction of a stand-alone enclosed building operated by Public Works to be used by for equipment and vehicle mechanical maintenance.

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$470,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAI01*	**Project Type:**	*Facilities Improvement*
Project Name:	*City Hall Improvements - Enhanced Security*		
Project Description:			

This project is for installation of security improvements to the current City Hall building (approximately 3,000 sf with 7 full-time employees) including security alarms, cameras, and controlled access with keypad / FOB.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$15,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAI03*	**Project Type:**	*Facilities Improvement*
Project Name:	*Municipal Court Building Improvements - Additional Office Space*		
Project Description:			

This project is for improvements to the current City Office building (approximately 4,000 sf including council chambers) to provide office space for 2 additional clerks, modifications to the front counter area to accommodate multiple customers, and a secure area for legal and financial transactions.

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$610,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAI04*	**Project Type:**	*Facilities Improvement*
Project Name:	*Police Station Renovation - Add Front Lobby/Reception, Increase Storage Space*		

Project Description:

This project is for modifications to the current police department space (approximately 1,500 sf) located within the City Office to add a front lobby space with a receptionist station and general storage space.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$460,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAI05*	**Project Type:**	*Facilities Improvement*
Project Name:	*City Hall Improvements - Building Addition*		

Project Description:

This projects provides for an addition to the current City Hall building (approximately 3,000 sf) to increase space for 1 new office, a dedicated training area, and space for a conference room/break room and locker room.

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$940,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*FAI06*	**Project Type:**	*Facilities Improvement*
Project Name:	*Municipal Court Building Improvements - Enhanced Security*		

Project Description:

This project is for improvements to the current City Office building (approximately 4,000 sf including council chambers) to provide installation of security cameras and metal detectors for court and council chambers security.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$20,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*EQU01*	**Project Type:**	*Equipment*
Project Name:	*Fire Truck*		

Project Description:

For the purchase of a NEW pumper truck including outfitting

Implementation Timing:	*6 - 10*	**Opinion of Probable Cost:**	*$750,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*DRN01*	**Project Type:**	*Drainage*
Project Name:	*Stormwater Master Plan*		
Project Description:			

The project includes data collection, creation of existing and fully developed hydrologic models for the City, development of hydraulic models for major creeks and drainageways, development of inlet level hydrologic and hydraulic models for areas of localized flooding, identification of flood prone areas, documentation of structural overtopping and flooding potential, development of drainage CIP and creation of final master plan report.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$250,000.00*

Comments:

City of Quinlan

DRAFT Capital Improvement Project Summary Sheet			Date: 10/22/2020
Project ID:	*DRN02*	**Project Type:**	*Drainage*
Project Name:	*Quinlan Community Park Drainage Channel Improvements*		
Project Description:			

The project includes channel improvements along the existing swale which traverses the park from north to south, replacement of culverts under Church Road and QISD dirt road, improvements to the north end existing drainage ditch, replacement of culverts under the QISD driveway, installation of a mitigation culvert at immediately north of SH 276, and mitigating overbank storage east of the existing swale and north of the QISD driveway. The overall project will increase the swale's conveyance providing positive drainage to better evacuate storm drainage runoff and reduce ponding within the park.

Implementation Timing:	*0 - 5*	**Opinion of Probable Cost:**	*$460,000.00*

Comments: