



Capital Improvement Program Update

Council Work Session

December 17, 2018



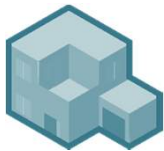
Presenters



Engineering Department

- Nick Ataie, PE, Infrastructure Construction Projects

Engineering CIP Manager



Public Works Department

- Patricia Jackson, PE, Facility Construction Projects

Facilities Construction Manager



Parks, Recreation, and Open Space Department

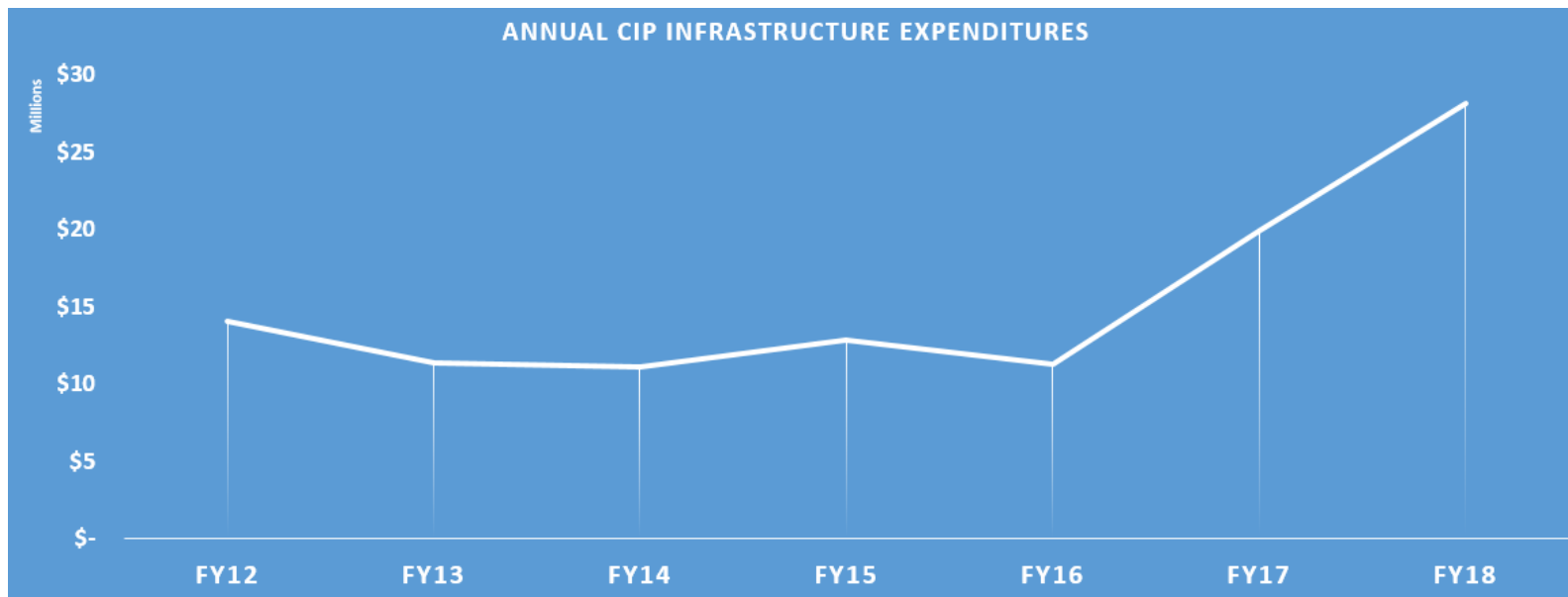
- Jenny Baker, Park Construction Projects

Parks Planning & Development Manager



Engineering Department CIP Update

- **FY19 Infrastructure CIP**
 - *Voter-Authorized GO Bonds (2015 - Streets) Issued Late 2018 (\$32.7MM)*
 - *Remaining 2015 Street GO Bonds estimated to be issued by the end of 2020.*
 - *Revenue Bonds Issued Late 2018 (\$11.97MM)*
 - *28 Newly-Initiated CIP Infrastructure Projects funded in FY19 (\$38.5MM)*



Engineering Department CIP Update

■ Recently Completed Projects

- *Engineering Design Manual Update (Adopted April 2018)*
- *Cole Street Reconstruction (Completed May 2018)*
- *McKinney Ranch Parkway Reconstruction (Completed August 2018)*
- *US 75 / SRT Lift Station Construction (Completed September 2018)*
- *TxDOT FM 546 / Harry McKillop Construction (Opened October 2018)*
- *Villages of Eldorado Water Main Replacements (Completed November 2018)*
- *Virginia Pkwy Lanes 5 & 6, Ridge to Bellegrove (Substantially Complete)*



Engineering Design Manual



Engineering – Active Combined Infrastructure Projects (Construction)



■ CO1703 – Pearson Avenue Improvements

- *Storm Drainage Improvement, Wastewater Main Replacement, Paving Reclamation*
- *Construction estimated to be complete July 2019*

\$2.3MM

**35%
Complete**

■ CO1704 – Main Replacement & Street Rehabilitation East of SH 5

- *3.5 miles of water/wastewater main replacements & associated street rehabilitation*
- *Construction to begin January 2019*

\$6.8MM

**0%
Complete**

■ CO1705 – Main Replacement & Street Rehabilitation South of Virginia Street

- *1.4 miles of water/wastewater main replacements & associated street rehabilitation*
- *Construction estimated to be completed June 2019*

\$2.6MM

**20%
Complete**

■ CO1706 – Main Replacement & Street Rehabilitation North of Virginia Street

- *3.3 miles of water/wastewater main replacements & associated street rehabilitation*
- *Construction estimated to be completed September 2019*

\$4.3MM

**20%
Complete**



Engineering – Active Combined Infrastructure Projects (Planned)

- **CO4238 – Town Center Infrastructure Improvements**
 - *Infrastructure Improvements (Street, Utilities, Pedestrian, Lighting, and Landscape) along East Louisiana Street (Tennessee Street to SH 5) and Tennessee Street (Davis Street to East Louisiana Street)*

\$5MM

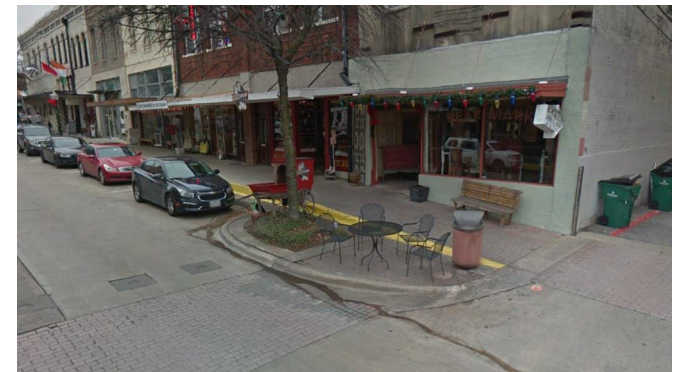
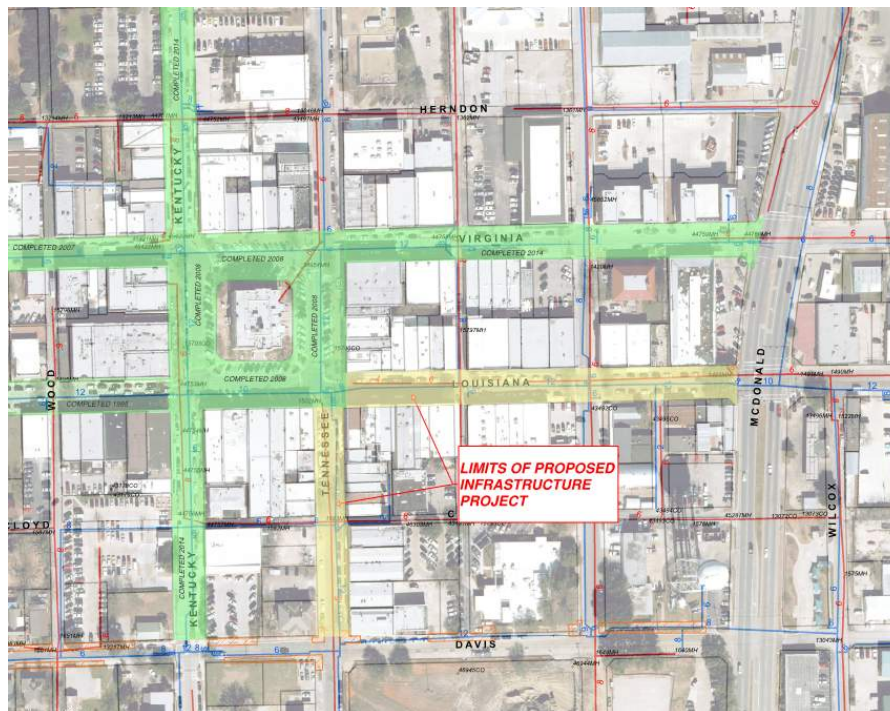
Design Development, Public Outreach & Bidding

Estimated Construction

January 2019

January 2020

August 2020



Engineering – Active Roadway Infrastructure Projects (Construction)



- **ST1219 – Virginia Pkwy Lanes 5 & 6 (Bellegrove to US 75)**

- *Added Travel Lanes / Intersection Improvements*
- *Construction estimated to be complete April 2019*

\$10MM

**80%
Complete**



- **ST1612/1613 – Redbud Lanes 3 & 4 / McLarry Drive Improvements**

- *Construction of SB Lanes 3 & 4 (Redbud)*
- *Improvements to McLarry Drive*
- *Construction estimated to be complete July 2019*

\$2.2MM

**15%
Complete**



- **FA4320/ST4422 – Trinity Falls Parkway**

- *Construction of Lanes 3 & 4 (N of Laud Howell)*
- ** City-Contribution for Construction of Lanes 3 & 4 concurrent with developer obligation (N of Laud Howell to FM 543)*
- *Construction estimated to be complete early 2020*

\$4.9MM *

**5%
Complete**



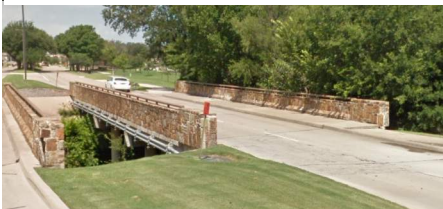
Engineering – Active Roadway Infrastructure Projects (Upcoming Construction)



TR1620/1702 – Traffic Signal Construction

Dec 2018

\$1.2MM



ST4334 – Stonebridge Bridge Construction

Jan 2019

\$1.6MM



ST1615/1618 – Intersection Capacity Improvements

Feb 2019

\$1.5MM



ST1649 – Accessibility Improvements (Downtown)

Feb 2019

\$1.4MM



ST4372 – Country Lane / Airport Drive Improvements

Feb 2019

\$1.4MM

ST4227 – Bloomdale Road (Hardin to Community)

Mar 2019

\$9.5MM



Engineering – Active Transportation Infrastructure Projects (FY19 Ongoing)



Design Development Underway

- ST1617 – Ridge Road (US 380 – Wilmeth)
- ST1622 – Street Reconstruction Umbrella (FY19)
- ST4331 – Laud Howell Parkway
- ST9115 – Custer Road Design (US 380 – FM 1461)
- TR1847 – US 380 Illumination (Coit – Custer)
- TR1850 – Citywide Roundabout Planning

Street projects shown, once constructed, will provide approximately 26 new lane-miles

Upcoming Design (FY19 Funding)

- ST1719 – Wilmeth Lanes 1 & 2 (Lake Forest – Hardin)
- ST1723 – Wilmeth Lanes 3 & 4 (East of Redbud – SH 5)
- ST1834 – Eastside Accessibility Imp (Phase 2)
- ST1835 – Arterial Intersection Capacity Imp (FY19)
- ST1837 – Stacy at Custer Intersection Imp
- ST1838 – Eldorado Bridge Widening (E of Custer)
- ST1839 – Virginia Lanes 5 & 6 (East of Custer)
- ST1841 – Collin McKinney (Lake Forest – Hardin)
- ST3212 – Stacy Lanes 5 & 6 (Custer – Ridge)
- TR1843 – Traffic Signalization (FY19)



Engineering – Active Utility Infrastructure Projects (Construction)

\$3.4MM

**85%
Complete**

- **WA1624 – Redbud Pump Station Transmission Main (794PP)**

- *New 54" Water Transmission Main*
- *Estimated completion January 2019*



\$2MM

**5%
Complete**

- **WA4415 – US 380 Waterline Improvements**

- *12" to 24" Master Planned Water Infrastructure*
- *Estimated completion August 2019*



\$22MM

**45%
Complete**

- **WA8132 – Redbud Pump Station**

- *New Master Planned Pump Station Facility*
- *Estimated completion August 2019*



\$0.4MM

**0%
Complete**

- **WW2245 – Erwin Avenue Aerial Wastewater Main Replacement**

- *Replacement of Aerial Wastewater Main*
- *Estimated completion September 2019*



Engineering – Active Utility Infrastructure Projects (Upcoming Construction)

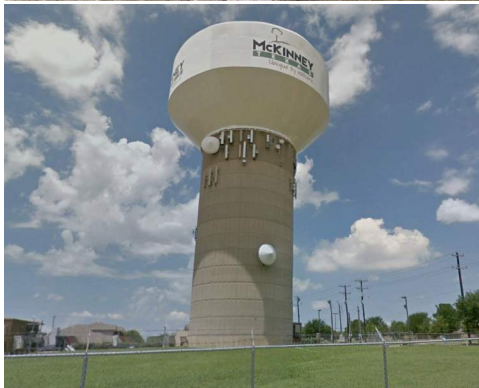


WA1625 – University Pump Station Pump Improvements

Jan 2019

\$1.5MM

- Increase Pumping Capacity
- Improve Operations



WA1805 – Virginia EST Maintenance

Jan 2019

\$0.75MM

- Major scheduled maintenance (last completed in 2004)



WW1855 – Wastewater Main CIPP Lining

Jan 2019

\$2.4MM

- Over 8,000 LF of sanitary sewer trunk main to be rehabilitated using trenchless technology



Engineering – Active Utility Infrastructure Projects (FY19 Ongoing)



Design Development Underway

- **WA1626 – McKinney Ranch Pump Station Imp**
- **WA1630 – Custer Rd Utility Relocations**
- **WA4202 – Water Master Plan Update**
- **WA4340 – Redbud Pump Station 850PP Main**
- **WW4209 – Wastewater Master Plan Update**
- **WW4351 – Inflow/Infiltration Study**

Upcoming Design (FY19 Funding)

- **WA4339 – Airport Drive Water Line**
- **WA4341 – FM 546 / Harry McKillop Water Line**
- **WW1638 – Honey Creek Wastewater Trunk Main**
- **WW1853 – Lift Station Improvements**
- **WW4239 – Wastewater Trunk Main (Tucker Hill – Lift Station)**
- **WW4348 – Aerial Wastewater Improvements (FY19)**



ACTIVE FACILITIES CONSTRUCTION PROJECT SUMMARY

PROJECT	DESCRIPTION	PHASE	APPROVED FUNDING	FY19-23 BUDGET
FC1202	Public Works Master Plan & Fleet Expansion	MASTER PLAN COMPLETE	\$ 6,000,000	\$ 9,000,000
FC1707	Future City Hall Master Planning	PROGRAMMING COMPLETE	\$ 336,800	\$ 336,800
FC1709	McKinney StarCenter Expansion	DESIGN/PRECONSTRUCTION	\$ 12,960,000	\$ 12,960,000
FC2229	Public Safety Support Building	COMPLETE	\$ 9,064,000	\$ 8,434,000
FC2239	Accessibility Improvements for Facilities	ONGOING	\$ 518,000	\$ 2,300,000
FI1734	Fire Station #10	DESIGN	\$ 7,650,000	\$ 10,750,000
FI3244	Fire Station #9	COMPLETE	\$ 8,556,505	\$ 7,900,000
LI1609	John & Judy Gay Library Expansion & Renovation	DESIGN/PRECONSTRUCTION	\$ 9,500,000	\$ 9,500,000
GRANT	MPAC Exterior Restoration	COMPLETE	\$ 201,000	\$ 201,000
PPP	Chestnut Commons Parking Garage	CONSTRUCTION		



FACILITIES CONSTRUCTION PROJECT OVERVIEW

McKINNEY STARCENTER EXPANSION (MSCE)

FC1709

Description

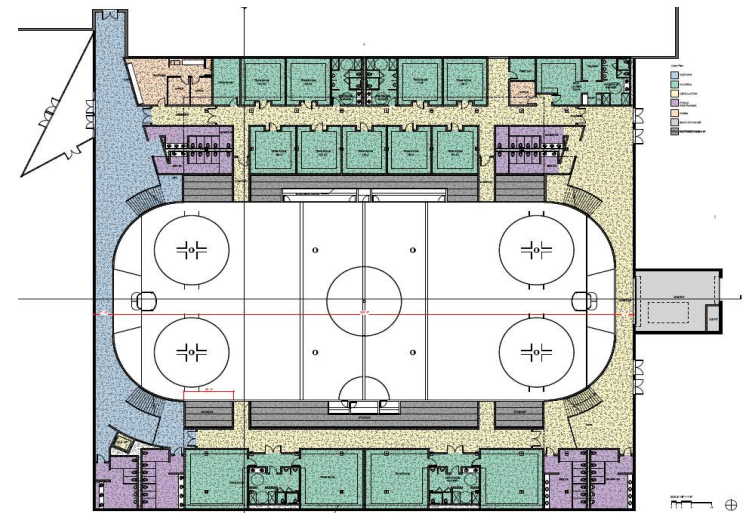
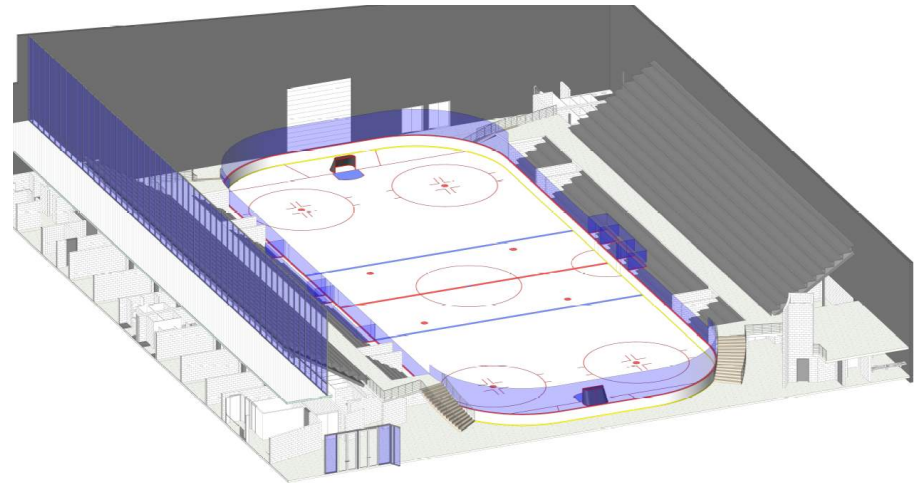
Includes approximately 45,000 square feet with one additional sheet of ice and the various locker room and team spaces needed. Project delivery method is Design / Build (D/B).

Schedule / Status

- Current Status: D/B Preconstruction Services approved by City Council November 2018
- Design (10% Complete) – March 2019
- Projected Completion – November 2019

Current Financial Summary

Project Total: \$12.9 Million



FACILITIES CONSTRUCTION PROJECT OVERVIEW

FIRE STATION #10 (MFS10) – TRINITY FALLS

F11734

Description

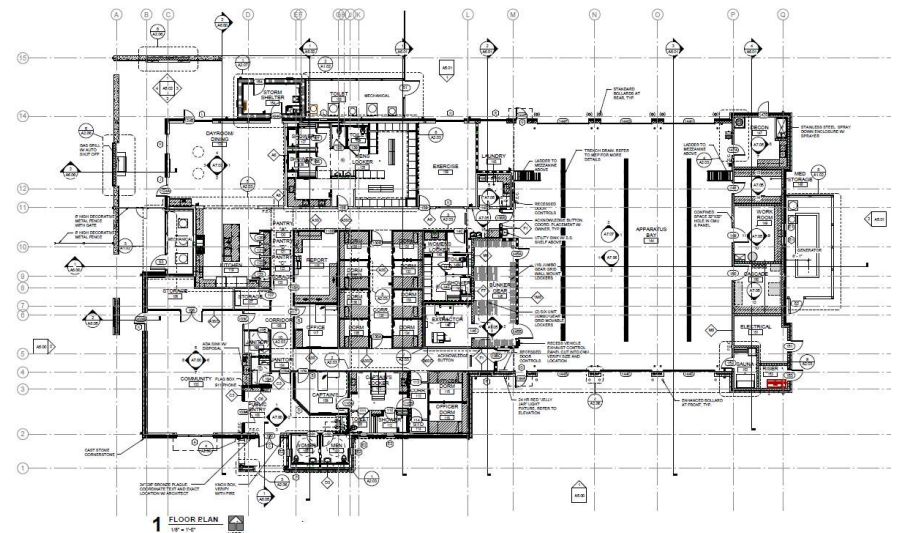
Includes 15,000 square foot fire station with 3 apparatus bays, interior areas for up to 10 on-site personnel along with a community room with appropriate parking and apron areas. Project delivery method is Construction Manager at Risk.

Schedule / Status

- Current Status: Construction (0% Complete)
- Design (100% Complete)
- Projected Completion – February 2020

Current Financial Summary

Project Total: \$10.75 Million



FACILITIES CONSTRUCTION PROJECT OVERVIEW

JOHN & JUDY GAY LIBRARY EXPANSION & RENOVATION (JJGL-E&R)

LI1609

Description

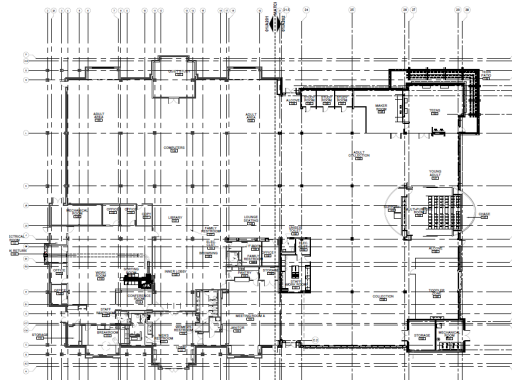
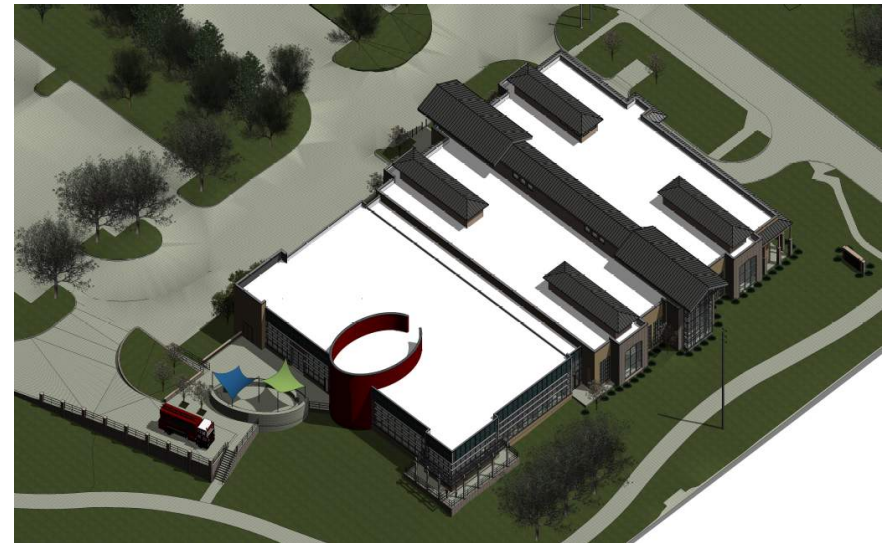
Includes approximately 15,000 square foot of additional interior library space as well as renovation of some of the existing spaces. Project delivery method is Construction Manager at Risk.

Schedule / Status

- Current Status: Construction (0% Complete)
- Design (90% Complete)
- Projected Completion – Spring 2020

Current Financial Summary

Project Total: \$9.5 Million



FACILITIES CONSTRUCTION PROJECT OVERVIEW

McKINNEY PERFORMING ARTS CENTER EXTERIOR RESTORATION (MPAC-ER)

GRANT

Description

Includes a \$150,000 grant received by McKinney Main Street for the restoration of portions of the exterior of the MPAC along with additional City provided funds for other much needed remedial work. Project delivery method was Competitive Sealed Proposal.

Schedule / Status

- Current Status: Construction (100% Complete)
- Design (100% Complete)
- Projected Completion – November 2018

Current Financial Summary

Project Total: \$201,000



FACILITIES CONSTRUCTION PROJECT OVERVIEW

CHESTNUT COMMONS PARKING GARAGE (CCPG)

PPP

Description

Includes 15,000 square foot fire station with 3 apparatus bays, interior areas for up to 10 on-site personnel along with a community room with appropriate parking and apron areas. Project delivery method is Construction Manager at Risk.

Schedule / Status

- Current Status: Construction (January 2019)
- Design (Complete)

Current Financial Summary

Private Development Project
– City will lease parking



FACILITIES CONSTRUCTION PROJECT OVERVIEW

CHESTNUT COMMONS PARKING GARAGE (CCPG)

PPP



ACTIVE PARKS PROJECT SUMMARY

PROJECT	DESCRIPTION	PHASE	APPROVED FUNDING	FY19-23 BUDGET
PK1213	HIKE AND BIKE TRAIL CONSTRUCTION	ONGOING	\$ 270,000	\$ 2,270,000
PK1701	LAND ACQUISITION (UMBRELLA)	ONGOING	\$ 2,300,166	\$ 2,300,166
PK4325	PARKS ACCESSIBILITY	ONGOING	\$ 650,000	\$ 2,650,000
PK9138	STACY ROAD/ROWLETT CREEK H/B - SPCA	LAND ACQUISITION	\$ 540,000	\$ 540,000
PK4392	RUSCHHAUPT RESTROOM RENOVATION	PLANNING	\$ 500,000	\$ 1,000,000
PK4394	SENIOR CENTER EXPANSION	PLANNING	\$ 1,500,000	\$ 1,500,000
PK9143	ERWIN PARK DEV - PHASE I	PLANNING	\$ 200,000	\$ 2,000,000
PK4398	OLD SETTLER'S RENOVATION	DESIGN	\$ 1,225,000	\$ 1,225,000
PK1211	FINCH PARK PHASE IV	DESIGN	\$ 2,000,000	\$ 2,000,000
PK1737	COTTONWOOD PARK	DESIGN	\$ 2,150,000	\$ 2,150,000
PK2206	GRAY BRANCH COM. MASTER PLAN	DESIGN	\$ 1,435,333	\$ 4,435,333
PK1643	PROSPER ISD PARK (PRESTWYCK)	DESIGN	\$ 2,000,000	\$ 2,000,000
PK1806	GABE NESBITT COMMUNITY PARK IMPROVEMENTS	DESIGN	\$ 1,250,000	\$ 1,250,000
PK1803	PAVILION AT FITZHUGH PARK	CONSTRUCTION	\$ 135,000	\$ 135,000
PK3224	GEORGE WEBB PARK	CONSTRUCTION	\$ 2,425,000	\$ 2,425,000
PK4396	GABE NESBITT TENNIS EXPANSION	CONSTRUCTION	\$ 9,600,000	\$ 9,600,000
PK1735	COLLIN MCKINNEY PARKWAY MEDIAN IMPROVEMENTS	CONSTRUCTION	\$ 124,000	\$ 124,000
PK3222	BONNIE WENK PARK PHASE II	CONSTRUCTION	\$ 8,391,031	\$ 8,391,031
PK1736	WHITE STREET MEDIAN IMPROVEMENTS	CONSTRUCTION	\$ 155,000	\$ 155,000

PARKS PROJECT OVERVIEW

MEDIANS

PK1735

PK1736

Description

These separate projects include adding a combination of shade and ornamental trees, decorative rock beds as well as irrigation installation.

Schedule / Status

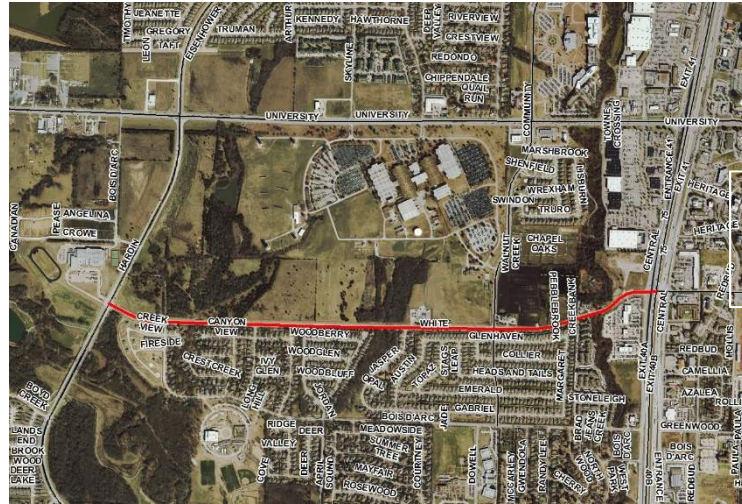
Under Construction

Project completion: Spring 2019

Current Financial Summary



Project Budgets:
White: \$124,000
CMP: \$155,000



White Street
PK1735



Collin McKinney Parkway
PK1736

PARKS PROJECT OVERVIEW

BONNIE WENK PARK PHASE II

PK3222

Description

This project includes two lighted multi-purpose fields, an all inclusive play structure, sky walk, restrooms, pavilions, trails, parking, the extension of the park road to Hardin Boulevard and pond amphitheater re-work.

Schedule / Status

Construction: 90% Complete

Projected Completion: Spring 2019



Current Financial Summary

Project Budget:
\$9,266,749 (includes
design and construction)



PARKS PROJECT OVERVIEW

GABE NESBITT TENNIS CENTER EXPANSION

PK4396

Description

This project includes 12 additional tennis courts, play structures, pavilions, restrooms, open space, trails, additional parking and a 3,000-square foot maintenance facility that includes public restrooms and a small office for parks personnel.

Schedule / Status

Under construction

Projected Completion: Spring 2019

Current Financial Summary



Project Budget:
\$9,600,000 (includes
design and
construction)



PARKS PROJECT OVERVIEW

COTTONWOOD PARK

PK1737

Description

Cottonwood Park is a 3.2 acre park that is being redesigned to include a water feature, pavilions, new play equipment, pedestrian pathways, parking, a multi-use court and an open play area.



Schedule / Status

Master Plan Complete

Design contract goes to Council on December 4th

Construction is expected to begin late summer 2019

Current Financial Summary

Project Budget: \$ 2,150,000



PARKS PROJECT OVERVIEW

FITZHUGH PARK

PK1803

Description

A new pavilion with picnic tables (similar to the one in Finch Park) will be constructed near the play structure; a drinking fountain has been installed along the walking trail.

Schedule / Status

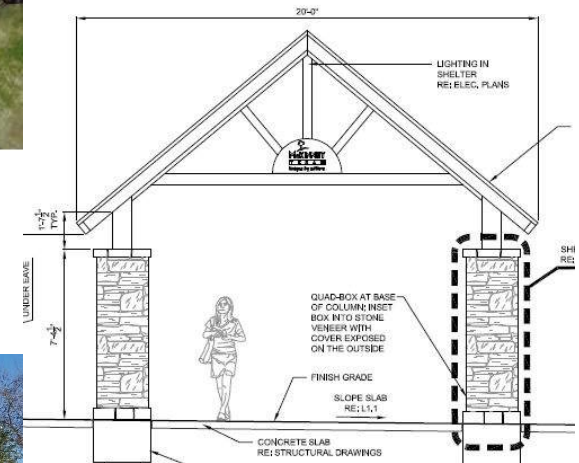
Under construction

Estimated completion: Spring 2019

Current Financial Summary



Project Budget:
\$135,000



PARKS PROJECT OVERVIEW

GEORGE WEBB PARK

PK3224

Description

An 11 acre neighborhood park located near Independence Parkway and Westridge Boulevard that includes a play structure, musical stations, pavilions, basketball court, interactive dry riverbed, trails, and open space.

Schedule / Status

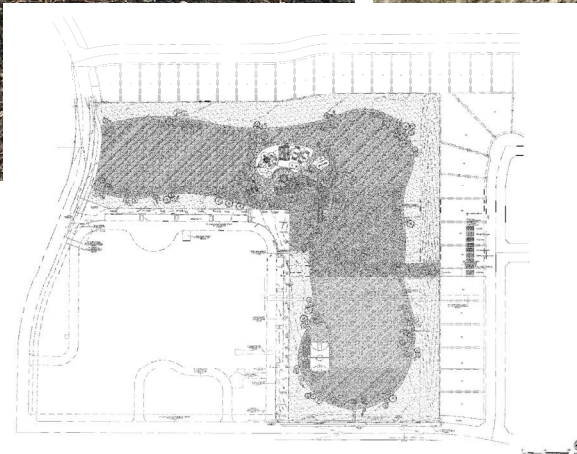
Under Construction

Estimated completion: Spring of 2019



Current Financial Summary

Project Budget:
\$2.4 Million
(includes design
and construction)



PARKS PROJECT OVERVIEW

PRESTWYCK PARK

PK1643

Description

This 10 acre neighborhood park is located near Coit Road and 380 within the Prestwyck subdivision. Public input meetings are planned for January to determine what amenities will be included.

Schedule / Status

In Design

Current Financial Summary



Project Budget:
\$2,000,000
(includes design
and construction)



PARKS PROJECT OVERVIEW

OLD SETTLER'S RENOVATION

PK4398

Description

This refresh of the existing facility will explore creating new usable square footage such as meeting rooms, larger fitness area, and drop-in recreation (pool tables, ping-pong, etc.)

Schedule / Status

Design Build Contract

Plans finalized spring 2019 with a one year build out

Current Financial Summary



Project Budget:
\$1,225,000
(includes design
and construction)



PARKS PROJECT OVERVIEW

FINCH PARK

PK1211

Description

This project includes adding hike and bike trails throughout, new pavilions, tennis court repair, additional parking and renovating the existing playgrounds, a splash pad and basketball court.

Schedule / Status

In Design

Current Financial Summary



Project Budget:
\$2,000,000
(includes design
and construction)

FINCH PARK MASTER PLAN MARCH 8, 2010

