



# Capital Improvement Program Update

April 25, 2016

- MONEY MAGAZINE 2014 -

# Presenters



## Engineering Department

- Gary Graham, PE, PTOE, Infrastructure Construction Projects

## Public Works Department

- Patricia Jackson, PE, Facility Construction Projects

# Street Projects



- Accessibility Improvements for Public Right-of-Way
- Arterial Capacity Improvements 2014-2015 (Custer at Stonebridge, Stacy at Custer, and Custer at Fountainview, Wilmeth at Community)
- Bloomdale Road Extension (Community to Hardin)
- **Cole Street Reconstruction (Bass Street to College Street)**
- Custer Road Design & ROW (US 380 – FM 1461)
- Fiber Optic Cable Ring Extension
- Flour Mill Infrastructure Phase 1 (Louisiana Street)
- **FM 546 Replacement (SH 5 – Airport)**
- Hardin Blvd Lanes 5 & 6 (SH 121 – McKinney Ranch Pkwy)
- Hardin Retaining Wall
- Lake Forest Drive Lanes 3 & 4 (Wilmeth – Bloomdale)
- Laud Howell Parkway Alignment Study
- **Lake Forest Drive Lanes 5 & 6 (SH 121 – McKinney Ranch)**
- McKinney Ranch Pkwy Lanes 3 & 4 (Hardin Blvd to US 75 SBFR)
- Redbud Lanes 3 & 4
- Stonebridge Bridge at Rowlett Creek
- Traffic Signal Video Upgrades
- **Virginia Parkway Lanes 5 & 6 (Ridge– US 75)**

# Street Projects



## Cole Street Reconstruction

Bass to College (CO9051)

Reconstruct Cole Street including paving, water, sewer, drainage, and sidewalks.

Construction Cost: \$1.8 million (est.)

### Milestone Dates

- Design Start: October 2015
- Construction Start: Summer 2016
- Construction End: Summer 2017

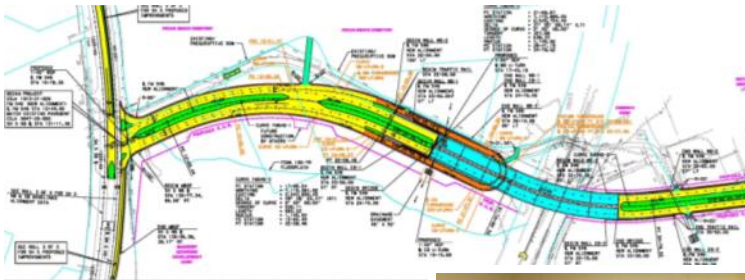


# Street Projects



## FM 546 New Alignment

SH 5 to Airport Drive (ST1219/ST1231)



New 4-lane (ultimate 6-lane) alignment of FM 546 from SH 5 to east of Airport Drive.

Construction Cost: \$20 million (est.)

### Third-Party Participation

- TxDOT
- Collin County
- Regional Toll Revenues
- Proposition 1

### Milestone Dates

- Planning Start: January 2009
- Construction Start: Fall 2016
- Construction Finish : Early 2018

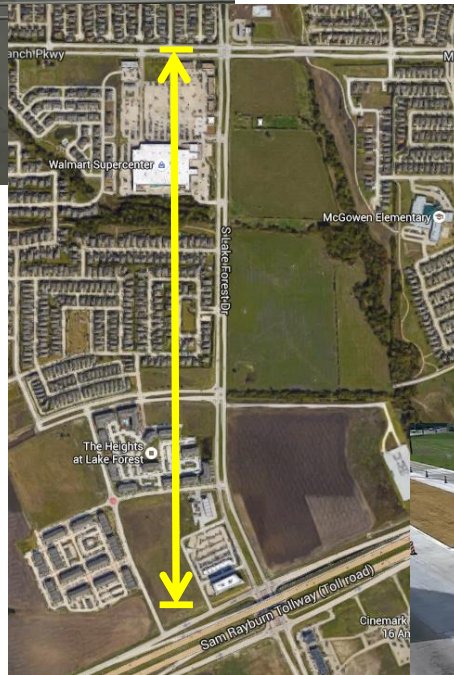


# Street Projects



## Lake Forest Drive Lanes 5 & 6

SH 121 to McKinney Ranch Parkway (ST3209)



Widen Lake Forest to 6-Lanes including additional turn lanes at the intersection of Lake Forest and McKinney Ranch.

Construction Cost: \$1.8 million

### Milestone Dates

- Design Start: June 2014
- Construction Start: October 2015
- Construction End: June 2016

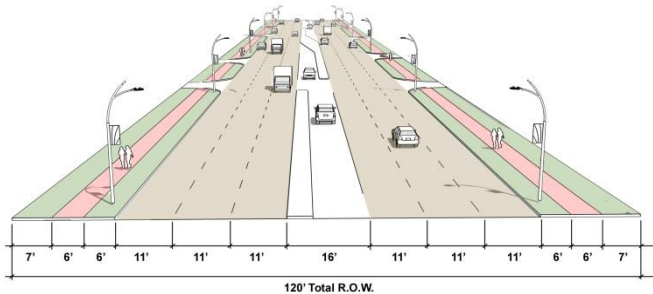


# Street Projects



## Virginia Parkway Lanes 5 & 6

Ridge Road to US 75 (ST1219/ST1231)

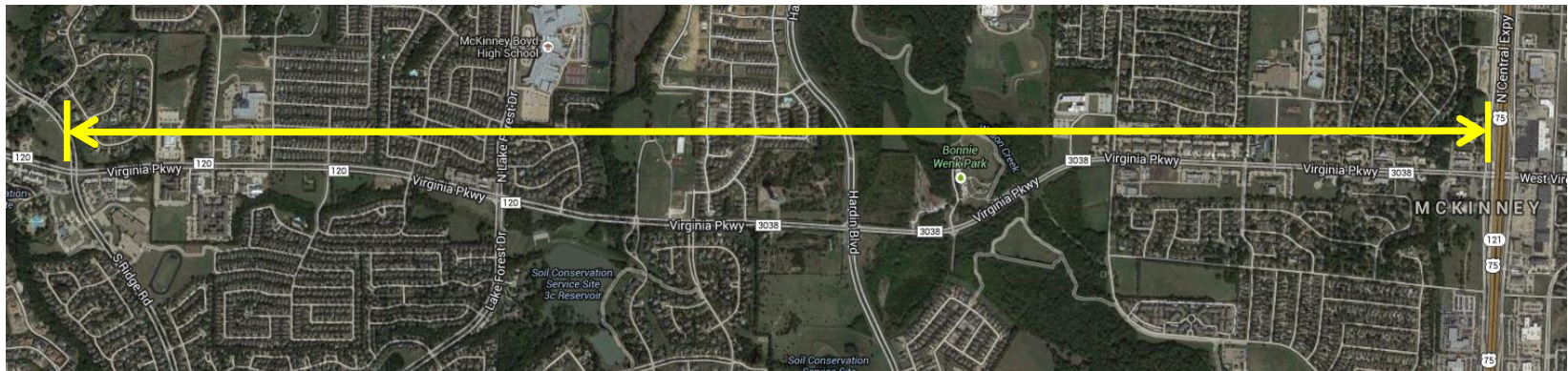


Widen Virginia to 6-Lanes with related improvements to the bridge over Wilson Creek, water, sewer, drainage, lighting, traffic signals and sidewalks.

Construction Cost: \$12 million (est.)

### Milestone Dates

- Design Start: October 2013
- Construction Start: Spring 2016
- Construction End: Summer 2018



# Utility & Drainage Projects



- Aerial Crossing Improvements
- **Bloomdale Pump Station Site Development**
- Club Lake 8-inch Water Line Loop
- FM 546 Water & Wastewater Relocations
- Gerrish Pump Station Improvements
- King's Lake Erosion Mitigation
- **Lake 2A Dam Rehabilitation**
- Ridge Elevated Storage Tank (Site Acquisition)
- Sediment Removal (Provine Lake)
- University Pump Station – 10 MG Ground Storage Tank
- Virginia 12-inch Water Main (Included with ST1219)



# Utility & Drainage Projects



## Lake 2A Dam Rehabilitation (DR7158)

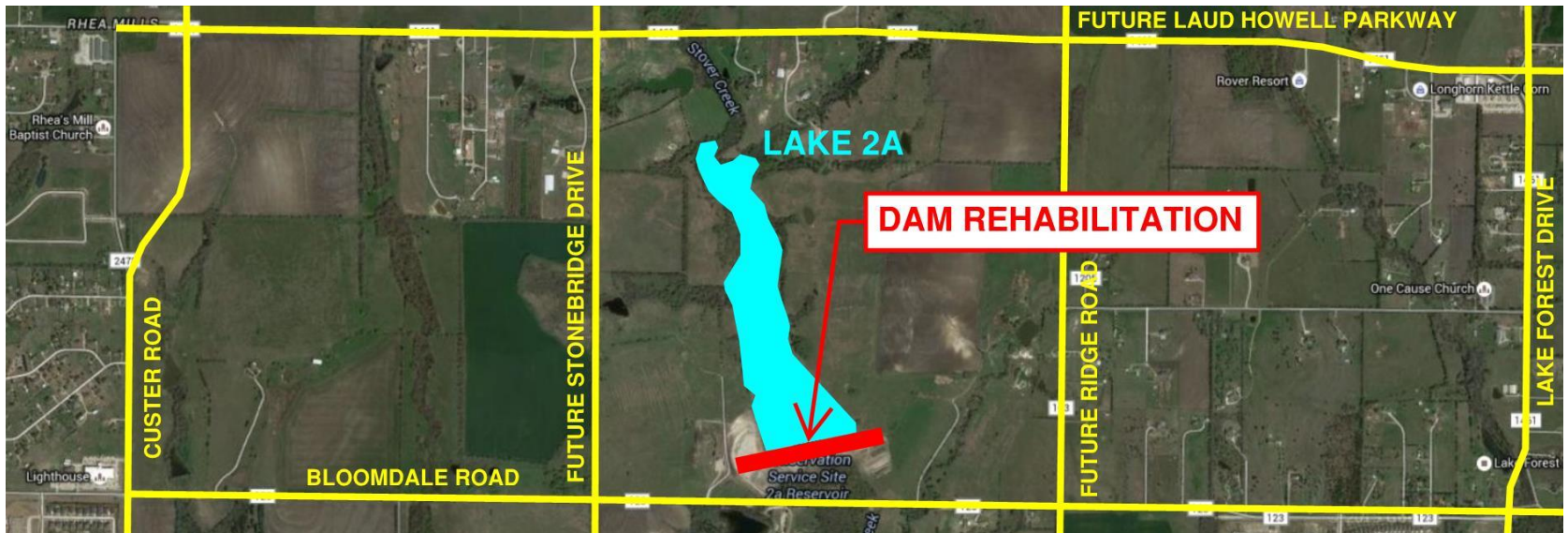
Replace the principal spillway pipe, increase the size and height of the dam, and upsize the overflow spillway for Natural Resources Conservation Service (NRCS) East Fork Above Lavon (EFAL) Floodwater Retarding Structure (FRS) 2A.

Construction Cost:

- \$3.8 million

Construction Schedule:

- Start November 2014
- End July 2016



# Utility & Drainage Projects



## Bloomdale Pump Station Site Development (WA8132)



- Design and construct the Bloomdale Road Pump Station Facility including an 8 MG water ground storage reservoir and associated appurtenances to serve the 794 and 850 Pressure Plane Service Areas for system capacity due to growth.

Construction Cost: \$ 22,000,000

### Milestone Dates

- Design Start: May 2016
- Construction Start: June 2017
- Construction End: Summer 2018



# Facility Projects



- Accessibility Improvements – Downtown Parking Lots Projects
- Air Center Hangars – MACH 1 & MACH 2
- Air Center Maintenance Building
- **Aquatics and Fitness Center**
- City Council Chambers A/V Systems Upgrade
- Facilities Master Planning
- **Fire Station # 9**
- Lease Space for Annex B
- MPAC Door Systems Replacement Project
- **Public Safety Facilities Phase III – Master Planning and Support Building**
- Public Works Master Planning and Expansion



# Facility Projects



## Aquatics and Fitness Center (4B-1409 & PK7102)



Design an Aquatics and Fitness Center

Total Project Budget: \$36 million

Milestone Dates

- Design Completed
- Projected Construction Completion: December 2016



Aquatic & Fitness Center

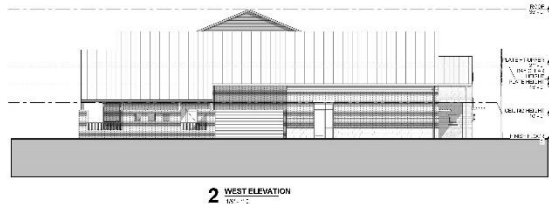
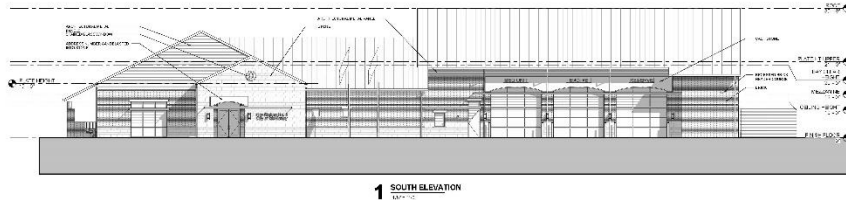
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Aerial Photography, Inc. 954-568-0484



# Facility Projects



## Fire Station No. 9 (FI3244)

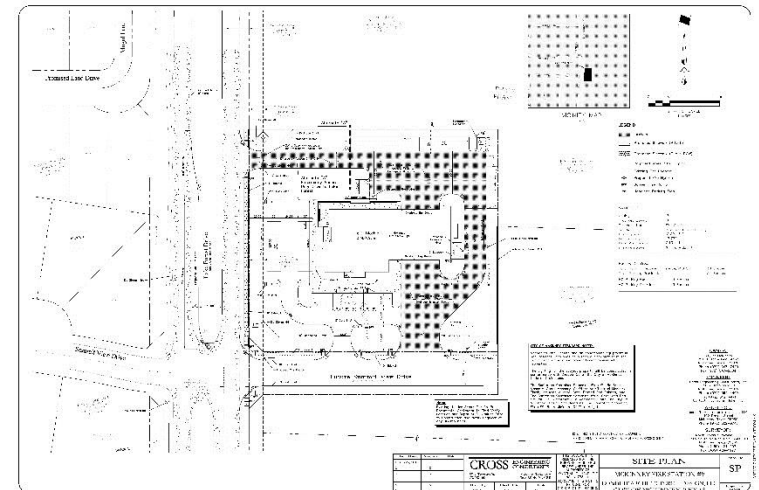


Design Fire Station No. 9

Total Project Budget \$7.1 million

Milestone Dates

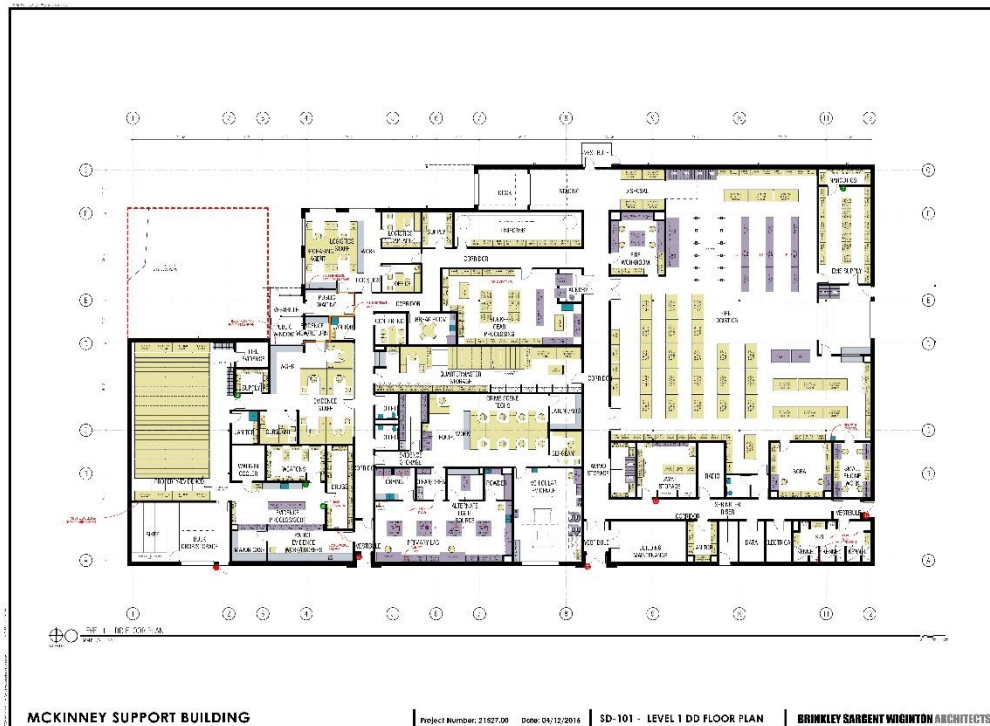
- Design Development now complete
- Projected Construction Completion: September 2017



# Facility Projects



## Public Safety Building Phase 3 (FC2229)



Master Plan Public Safety Site and Design a Support Building

Total Project Budget: \$7.35 million

Milestone Dates

- Schematic Design Completed
- Projected Construction Completion: September 2017

