



Memorandum

TO: Bruce D. Glasscock, City Manager
THRU: Frank Turner, Deputy City Manager
FROM: Jack Carr, P.E., Director of Engineering
DATE: May 26, 2015
SUBJECT: Council Presentation - Update Related to Roadway Projects in Plano

SUMMARY:

Roadway projects throughout Plano are managed by agencies including: the City of Plano, Texas Department of Transportation and North Texas Tollway Authority. The following information provides a summary of the scope of work, status and financial information for projects that are under design or construction. Additional information can be found in the CIP Budget.

CITY OF PLANO PROJECTS

15th Street Reconstruction

- Scope: Reconstruct 15th Street from G Avenue to west of US 75
Street pavement, sidewalk, water, sewer and street lighting, landscaping
- Status: Traffic has been shifted to the south side of the roadway and existing pavement has been removed on the north side of the street from G Avenue to US 75. This phase will last until approximately June 2015. Project completion February 2016.
- Cost: \$5 million
- Funding Sources: Regional Toll Revenue (RTR), Tax Increment Financing (TIF), Collin County

15th Street - Downtown Brick Rehabilitation

- Scope: Rehabilitation of brick pavers along 15th Street from I Avenue to just east of K Avenue and the intersections of:
Municipal Avenue and 15th Street
K Avenue and 14th Street
K Avenue and 15th Street
- Status: Design is underway. Construction will not start until 15th Street from G Avenue to US 75 is completed (but not earlier than January 2016).
- Cost: \$1.4 million

- Funding Source: City bonds

Preston Road Corridor

- Scope: Add turn lanes at the following intersections along Preston Rd:
Headquarters, Parker, Spring Creek, Hedgcoxe and Tennyson
- Status: Work is nearing completion on Hedgcoxe, Spring Creek and Tennyson. Headquarters intersection is approximately 50% complete. The project has been delayed by franchise utility relocation. Construction completion August 2015
- Cost: \$5.3 million
- Funding Source: Regional Toll Revenue (RTR) and Collin County

Park Boulevard Corridor

- Scope: Add turn lanes at the following intersections along Park Blvd:
Coit, Custer, Alma, K Avenue and Jupiter
- Status: Design is nearing completion. Remaining easement acquisition nearly complete. Construction beginning late 2015
- Cost: \$3.1 million
- Funding Source: Regional Toll Revenue (RTR) and Collin County

Parker Road Corridor

- Scope: Add turn lanes at the following intersections along Parker Road:
Coit and Alma
- Status: Design is nearing completion. Remaining easement acquisition nearly complete. Construction beginning late 2015
- Cost: \$1.7 million
- Funding Source: Regional Toll Revenue (RTR) and Collin County

Legacy Drive Corridor

- Scope: Add turn lanes at the following intersections along Legacy Drive:
Custer, Independence and K Avenue
- Status: Design is approximately 30%. Construction beginning 2016.
- Cost: \$1.7 million
- Funding Source: Regional Toll Revenue (RTR) and Collin County

Ohio Drive at McDermott Road and Alma Drive at 15th Street

- Scope: Add turn lanes at the following intersections:
Ohio Drive at McDermott Road
Alma Drive at 15th Street
- Status: Design is near completion and easements are being acquired. Construction Fall 2016
- Cost: \$1.1 million

- Funding Source: City bonds

Park Boulevard at DNT - Parker Road at DNT - Spring Creek at Alma

- Scope: Add turn lanes at the following intersections:
 - Park Boulevard at Dallas North Tollway
 - Parker Road at Dallas North Tollway
 - Spring Creek Parkway at Alma Drive
- Status: Easement acquisition is nearing completion and franchise utilities have started relocating. Construction beginning fall 2015
- Cost: \$1.2 million
- Funding Source: City bonds and Collin County

Russell Creek Drive

- Scope: Improvements include stabilization of roadway, trail replacement, drainage improvements and reconstruction of Russell Creek Drive
- Status: Consultant is analyzing the cause of failures and developing a proposal for a long-term solution. Construction 2016
- Cost: \$1.8 million
- Funding Source: City bonds

Split Trail Road

- Scope: Reconstruct Split Trail, stabilize the creek downstream of Split Trail, and reconstruct the water main
- Status: Design is near completion. One drainage easement needs to be acquired. Construction begins late 2015.
- Cost: \$2.6 million
- Funding Source: City bonds

Spring Creek Parkway at Coit Road

- Scope: Add northbound and southbound left turns along Coit and median crossovers east and west of the intersection along Spring Creek
- Status: Schematic layout is currently being reviewed by TxDOT. Construction beginning 2017.
- Cost: \$1.6 million
- Funding Source: TxDOT and Collin County

Spring Creek Corridor

- Scope: Convert the double signal intersections to a single intersection and add turns lanes at the following intersections:
 - Independence Parkway and Spring Creek Parkway
 - Custer Road and Spring Creek Parkway

- Status: Under construction (95% complete)
- Cost: \$5.7 million
- Funding Source: Regional Toll Revenue (RTR) and Collin County

Preston Road at Plano Parkway

- Scope: Convert the double signal intersections to single intersection and add turns lanes. The single traffic signal will be on the north side of the intersection. Eastbound Plano Parkway will shift to the north to create a conventional roadway with a median. Portions of existing eastbound Plano Parkway will remain to facilitate access to adjacent properties.
- Status: Schematic layout is currently being reviewed by TxDOT. Construction beginning 2016.
- Cost: \$5.1 million
- Funding Source: TxDOT and Collin County

Preston Road at President George Bush Turnpike

- Scope: Add southbound dedicated right turn lane and dual left turn lanes from Preston onto PGBT.
- Status: The design of this project is 65% completed and the ROW acquisition process has begun. This project will be constructed by TxDOT. Construction beginning fall 2016.
- Cost: \$1.8 million
- Funding Source: City bonds and Collin County

Windhaven Parkway

- Scope: Widen Windhaven to a four-lane divided roadway from Spring Creek Parkway to Parkwood Boulevard and a six-lane divided roadway from Parkwood Boulevard to the west city limits. This project was design to TxDOT standards.
- Status: Contractor is mobilizing. Construction completion early 2016.
- Cost: \$3.4 million
- Funding Source: TxDOT and Collin County

Park Boulevard Pedestrian Crossing

- Scope: Construction of a pedestrian/bike trail along the north side of Park Boulevard from the Parker Road DART Station, over US 75 to the Chisolm Trail west of Enterprise Drive.
- Status: Construction is underway. Construction completion fall 2015.
- Cost: \$3.4 million
- Funding Source: City bonds and NCTCOG

Marsh Lane

- Scope: Construct southbound lanes north of Hebron Parkway
- Status: Consideration to transfer funds from Plano to Carrollton to allow them to construct this roadway since it is located within Carrollton and will be maintained by them.
- Funding Source: Denton County Bonds

TxDOT PROJECTS

US 75 North of Spring Creek Parkway to SRT

- Scope: Add fourth general purpose lanes
- Status: Construction is underway. Complete spring 2017.
- Cost: \$60 million
- Funding Source: TxDOT

US 75 from PGBT to Park Boulevard

- Scope: US 75 from PGBT to Park Boulevard, direct connectors
- will be widened from PGBT to NB US 75 and SB US 75 to PBGT. The project will also add northbound collector/distributor roads and grade separated in the southbound direction.
- Status: Contractor is preparing to begin construction in November 2015. Complete fall 2018.
- Cost: \$38 million
- Funding Source: TxDOT

NTTA PROJECTS

Dallas North Tollway

- Scope: Add fourth lanes along DNT from I 635 to SRT and improve PGBT/DNT interchange
- Status: Contractor is preparing to begin construction in June 2015 and complete summer 2018.
- Funding Source: North Texas Tollway Authority

President George Bush Turnpike

- Scope: Add fourth lanes along PGBT from I 35 to SH 78
- Status: Contractor is scheduled to complete Phase I in 2016 (complete Phase II in 2019).
- Funding Source: North Texas Tollway Authority

NTTA and TxDOT Roadway Projects

Based on Information Provided by NTTA and TxDOT
May 2015

Source: City of Plano, Engineering
Date: 5/19/2015



0 4,500 9,000

Scale in Feet
Original: 1" = 4,600'

Phase I SRT
Add Fourth Lanes
Start: 2017
End: 2020

Phase II SRT
Add Fourth Lanes
Start: 2014
End: 2022

US 75
Add Fourth Lanes
Start: Summer 2014
End: Spring 2017

DNT
Add Fourth Lanes
Start: June 2015
End: Early 2018

DNT / PGBT
Interchange Modification
Start: June 2015
End: Summer 2018

US 75 / PGBT
Interchange Modification
Start: Fall 2015
End: Fall 2018

PGBT Phase I
Add Fourth Lanes
Start: May 2015
End: Nov 2016

PGBT Phase II
Add Fourth Lane
Start: Fall 2016
End: 2019

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