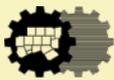


PLANES, TRAINS, AND AUTOMOBILES

Canyon Creek Home Association

**Michael Morris, P.E.
Director of Transportation**



North Central Texas Council of Governments

November 3, 2016

<http://www.nctcog.org/trans/presentations/documents/CCHA.110316.pdf>



TOPICS

US 75

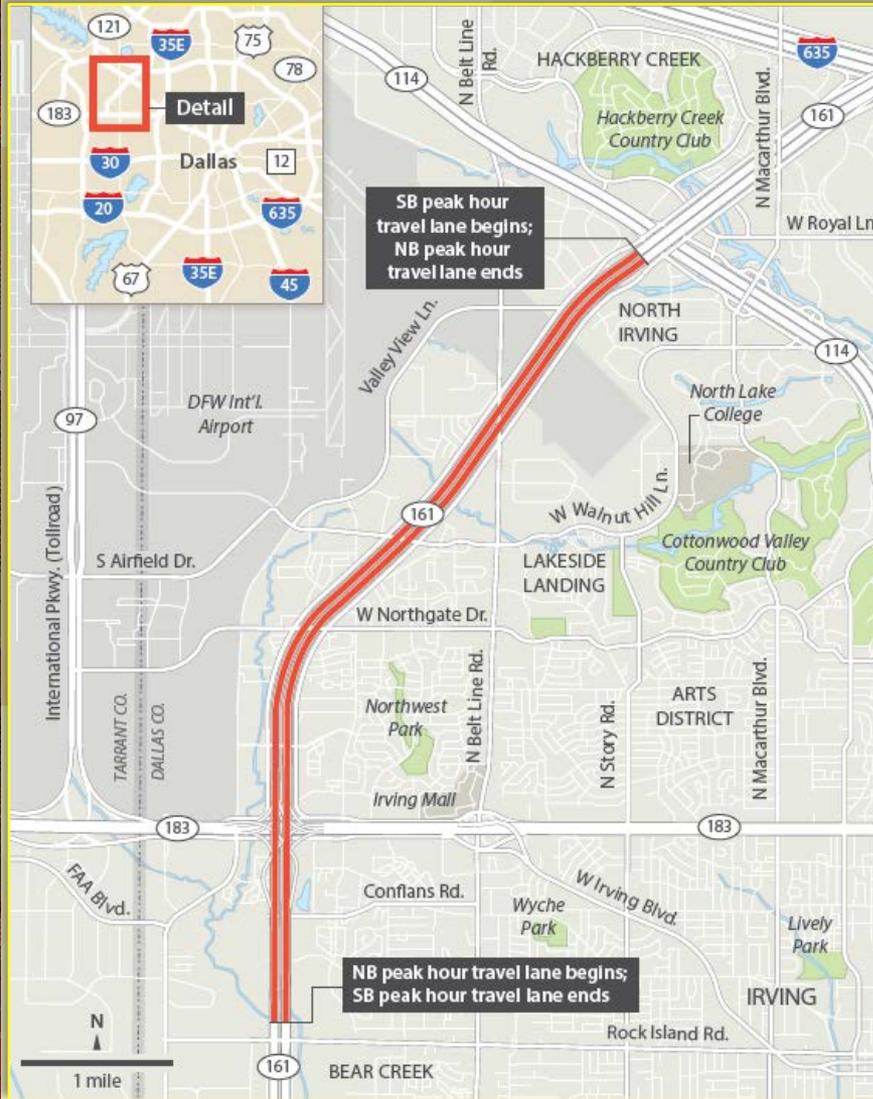
Collin County Plans

Cotton Belt

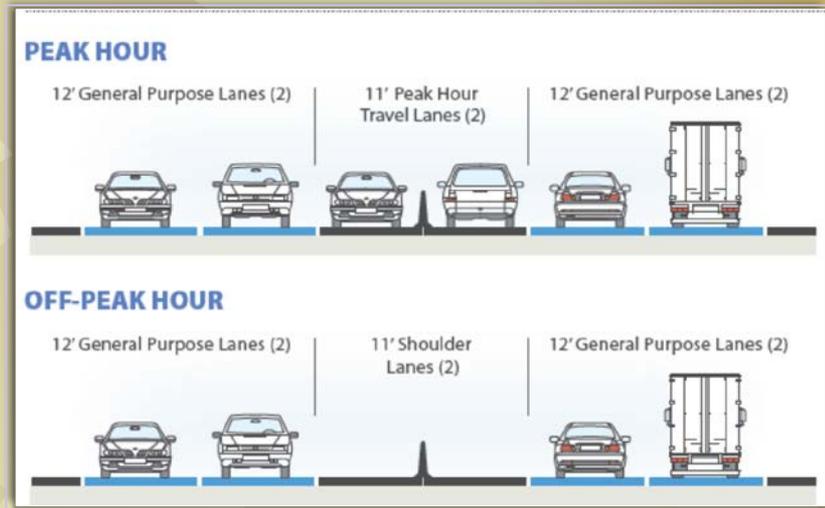
Interest to Canyon Creek

SH 161 PEAK SHOULDER PROJECT

\$4.25M PROJECT COST



Utilize Shoulder	ITS & Signage	Staged Wreckers
Peak Period	Cameras	Expedited Incident Management
Northbound 6AM–10AM	DMS	Peak Period Staging
Southbound 2PM–7PM	Illumination	Open Shoulder
	Static Signage	



DAILY OPERATIONS

- **Sweeping lane prior to AM and PM openings**
 - **Verify there are no obstructions (e.g., vehicles or debris)**
 - **Remove light debris**
- **Communication to DalTrans for signs/signals**
- **On-call wrecker staged in corridor during operation hours**



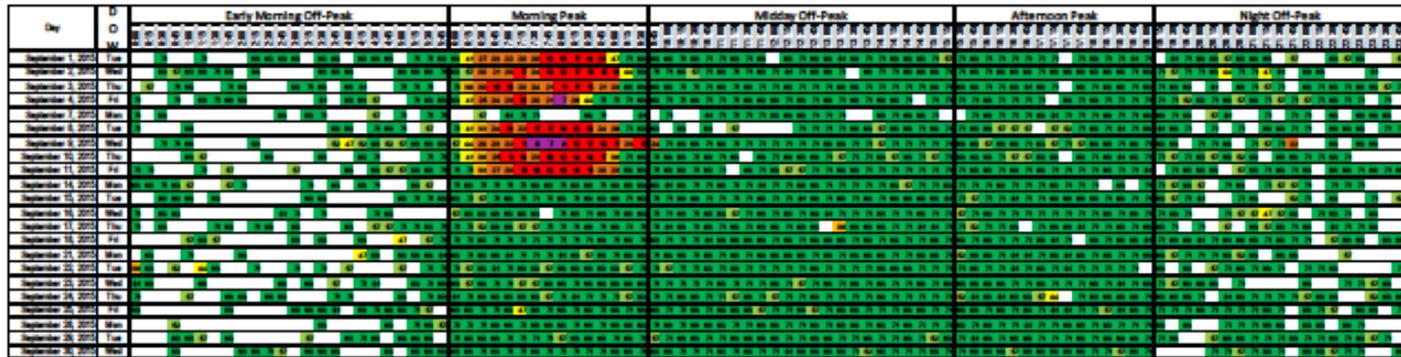
*Source of Images: Texas Transportation Institute (TTI)



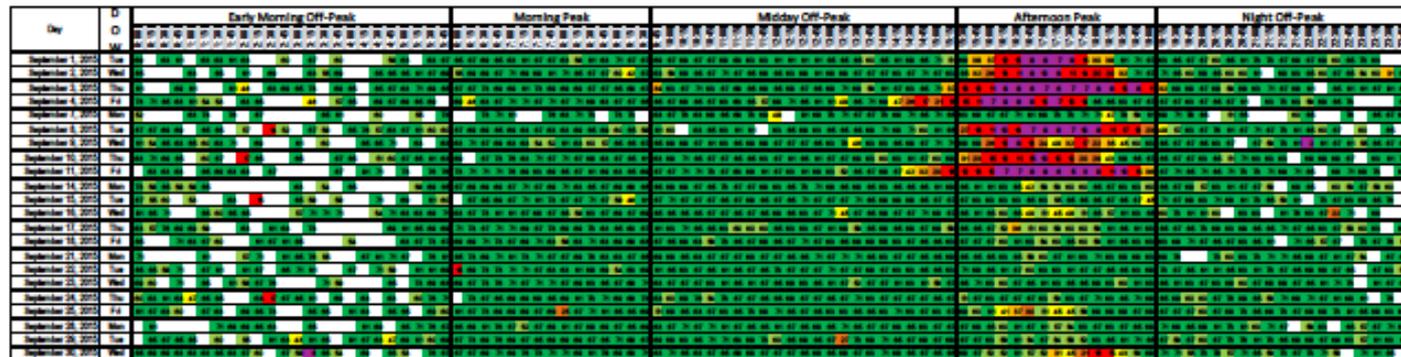
OBSERVATIONS

SH 161, September 2015 Before and After Lane on Shoulders

NB

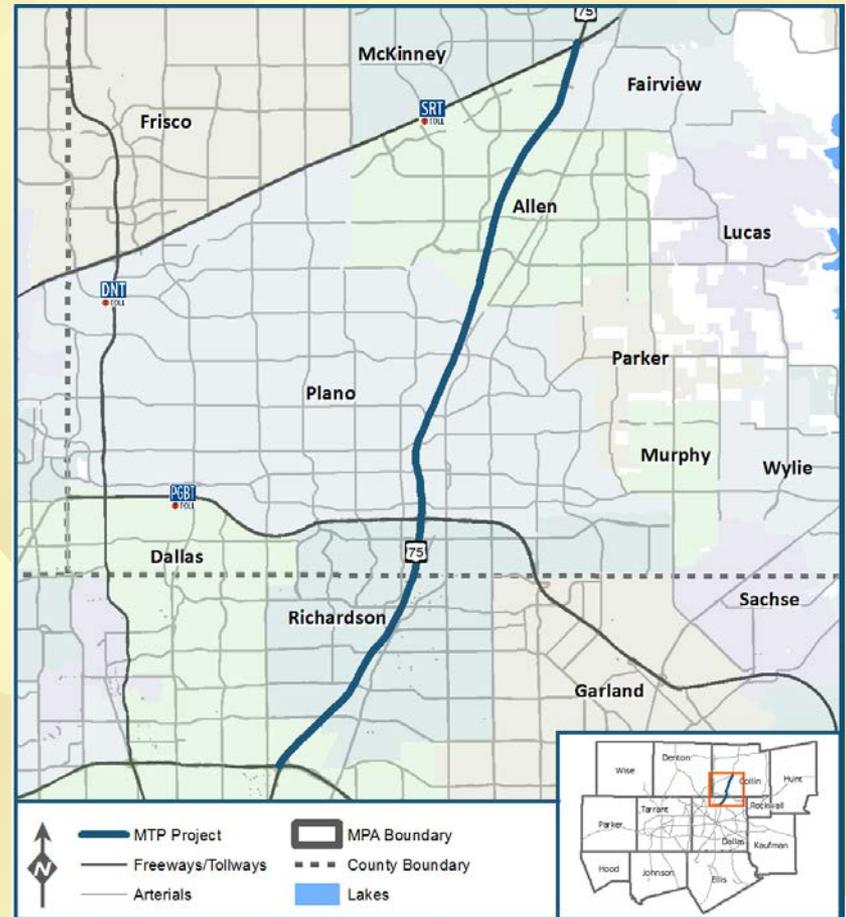


SB



US 75 APPLICATIONS: NEXT GENERATION TECHNOLOGY LANE

- Remove pylons
- Peak period usage
- All cars (ending HOV)
- Restrict truck travel in inside lane
- Restore 12 foot lanes
- Incident lane usage
- Frontage road signal timing adjustment
- Multi-city police protocol



ROADWAY ACTION PLAN FOR COLLIN COUNTY

DRAFT



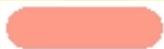
- Corridor 1 (Near Term):
US 75
- Widening in Allen
 - PGBT Interchange Ramp Improvement
 - Widen Plano Parkway and DART rail bridges
 - Technology Lane



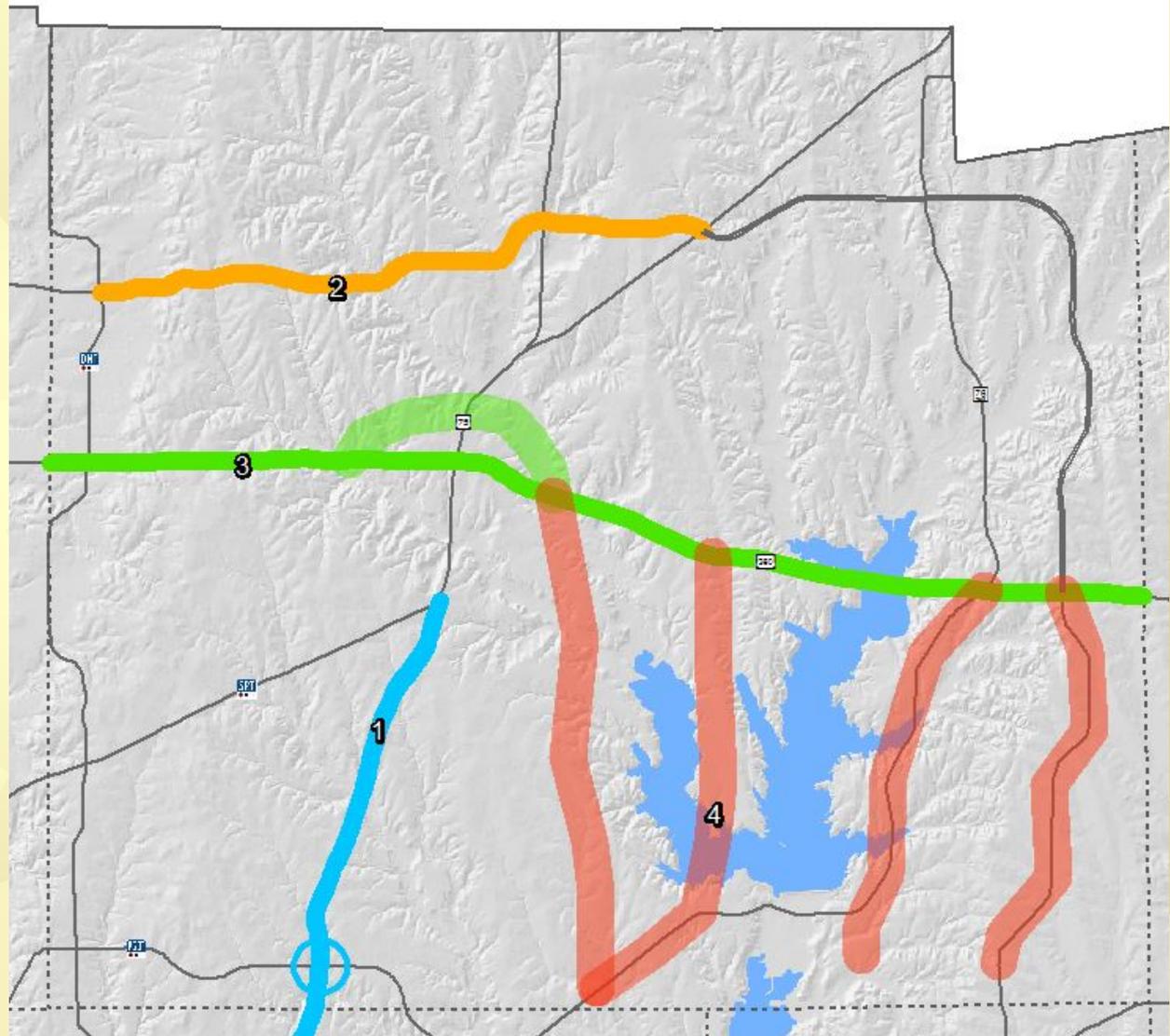
- Corridor 2 (Near Term):
Collin County Outer Loop
- Staged construction of frontage roads



- Corridor 3 (Near Term):
US 380
- Countywide Study
 - McKinney Bypass



- Corridor 4 (Longer Term):
Collin County Strategic Transportation Initiative
- Study of non-tolled north/south roadway needs and opportunities



ROADWAY ACTION PLAN (cont.)

Project Category Descriptions

Corridor 1 (Near Term) – US 75 (South of US 380):

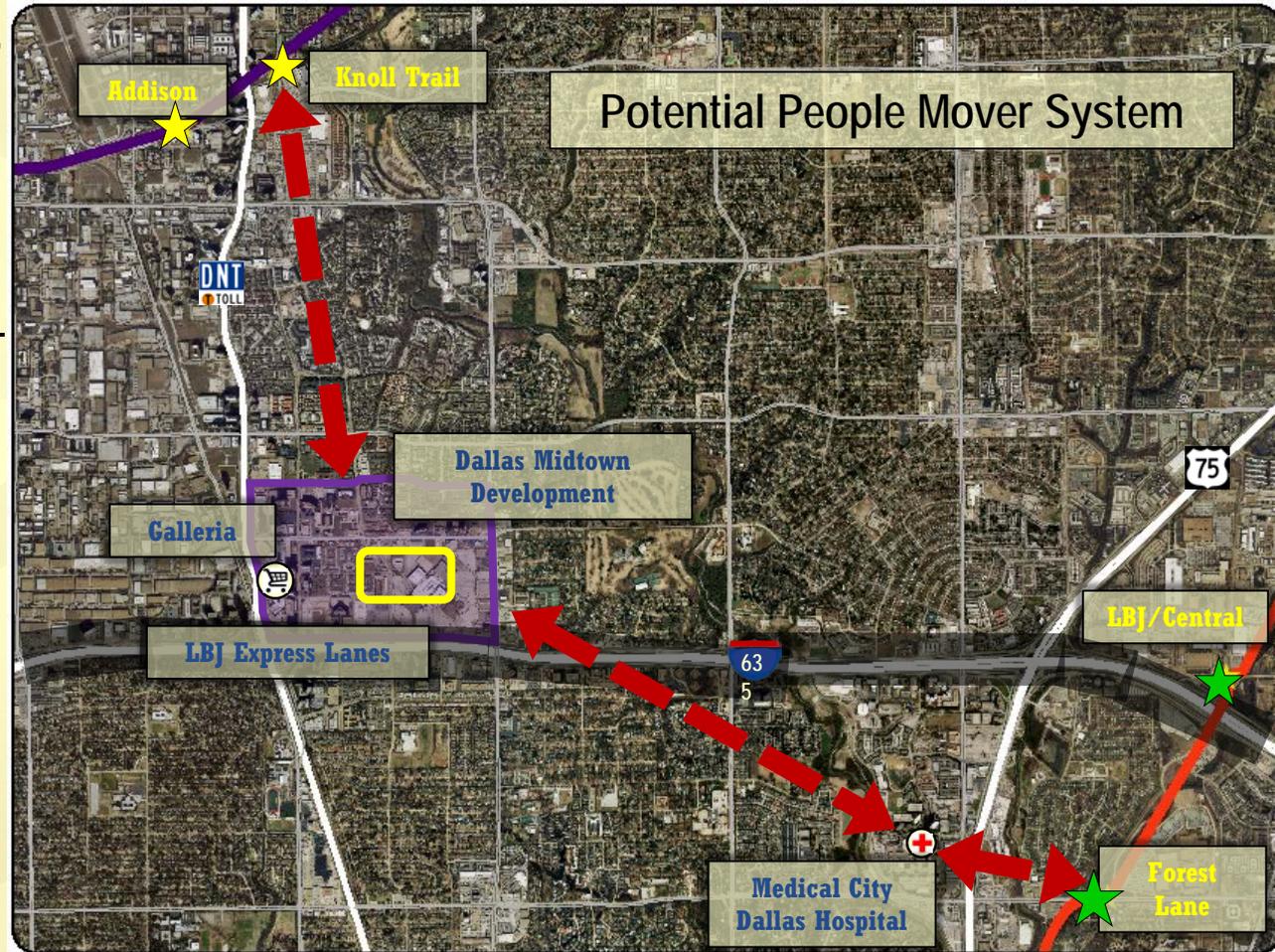
- US 75 – President George Bush Turnpike (PGBT) Interchange (CSJ #0047-06-133)
 - Completion – Winter 2019
 - Cost = \$37,466,722
 - Limits – Park Boulevard to PGBT (Plano)
 - Description – Reconstruct PGBT direct connector ramps to/from the north; Reconstruct Plano Parkway and Cotton Belt R/R bridges; Add southbound braided ramps between 15th Street and Plano Parkway; Add northbound collector-distributor facility between PGBT and 15th Street; Add auxiliary lanes
- US 75 Widening (CSJ #0047-06-139)
 - Completion – Spring 2017
 - Cost = \$47,531,667
 - Limits – SH 121 (Sam Rayburn Tollway) to Spring Creek Parkway (Fairview/Allen/Plano)
 - Description – Widen/Reconstruct to 8 general purpose lanes; Improve 2/3-lane frontage roads and ramps
- US 75 – Ridgeview Parkway Interchange (CSJ #TBD)
 - Completion – TBD (prior to 2020)
 - Cost = \$50,000,000 (estimated)
 - Limits – South of SH 121 (SRT) to north of Stacy Road
 - Description – Reconstruct Ridgeview Parkway interchange, including frontage road approaches and ramps
- US 75 Shoulder-Use/Technology Lanes (CSJ #0047-06-158)
 - Completion – TBD (prior to 2020)
 - Cost = \$50,000,000 (estimated)
 - Limits – SH 121 (Sam Rayburn Tollway) to IH 635
 - Description – Remove existing 1-lane concurrent HOV facility; Enable mixed-traffic use of left shoulders for peak-period travel and incident management during non-peak periods; Apply new technologies for enhanced congestion mitigation; Restore 12-foot width to existing 8 general purpose lanes



LBJ EXPRESS LANES

Dallas Midtown

-  Circulator
-  Study Area
-  Potential Connections
-  DART Red Line LRT
-  Proposed Cotton Belt Corridor
-  LBJ Express
-  Proposed Rail Station
-  Existing Rail Station
-  Hospital
-  Shopping Mall



COTTON BELT RTC FOCUS

- \$100 M
- Coppell Equity
- DFW International Airport
- Public/Private Sector Partnership Opportunity
- DART has DART Cities



INTEREST TO CANYON CREEK

- PGBT from DNT to US 75 (6-8 lanes) \$78.3 M
- US 75 Frontage Road Intersection
Improvements in Collin County \$1.1 M
- Bicycle Pedestrian at Prairie Creek
at Waterview parkway \$3.2 M