

A photograph of the Buda City Hall & Public Library building. The building features a modern design with a large glass facade, a curved section with vertical wood slats, and a section with light-colored stone blocks. The sky is blue with scattered white clouds. The text is overlaid on the top half of the image.

Wins & Challenges: Capital Projects and Pavement Management in a Fast-Growing City

ANGELA KENNEDY, P.E., CFM AND WENDY L. SMITH

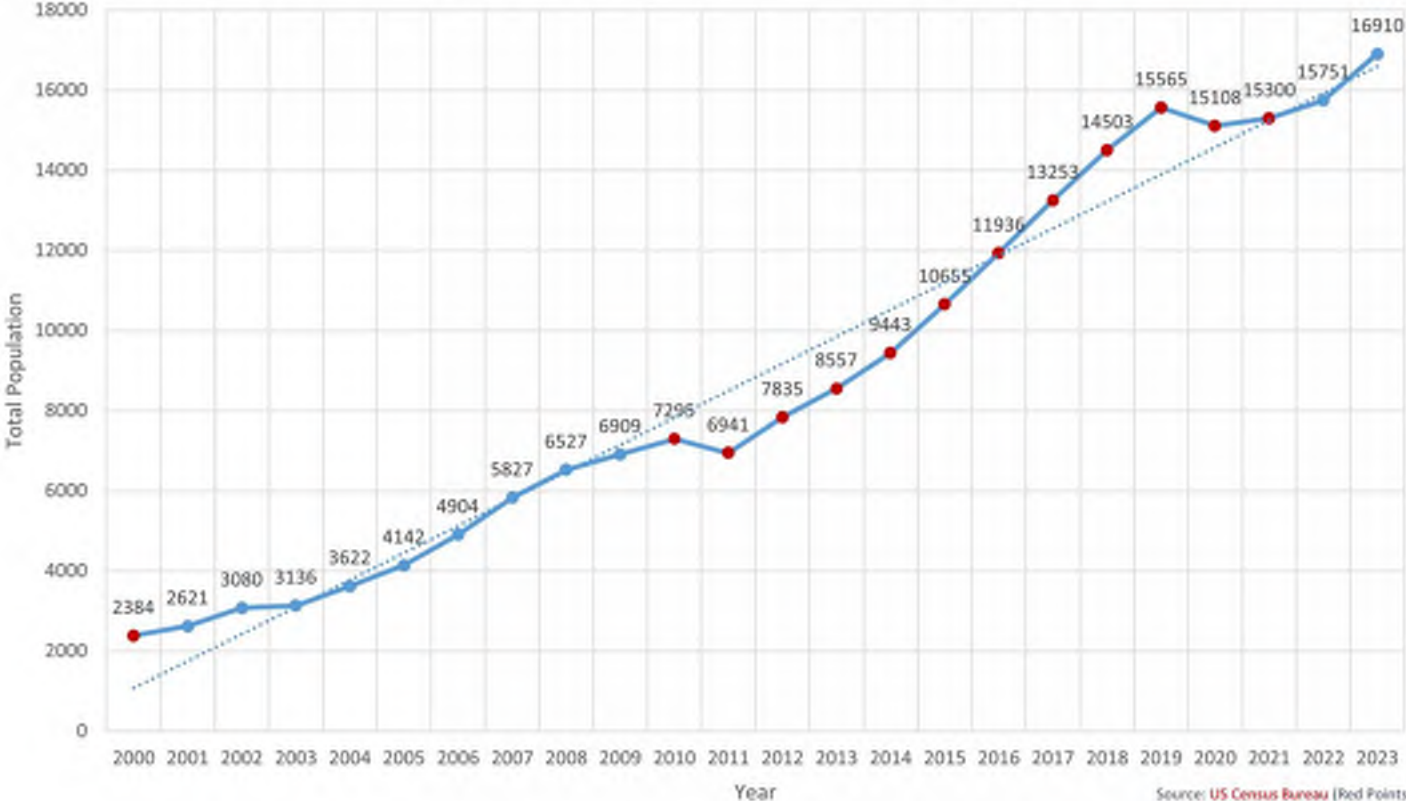
MARCH 21, 2023

TOPICS

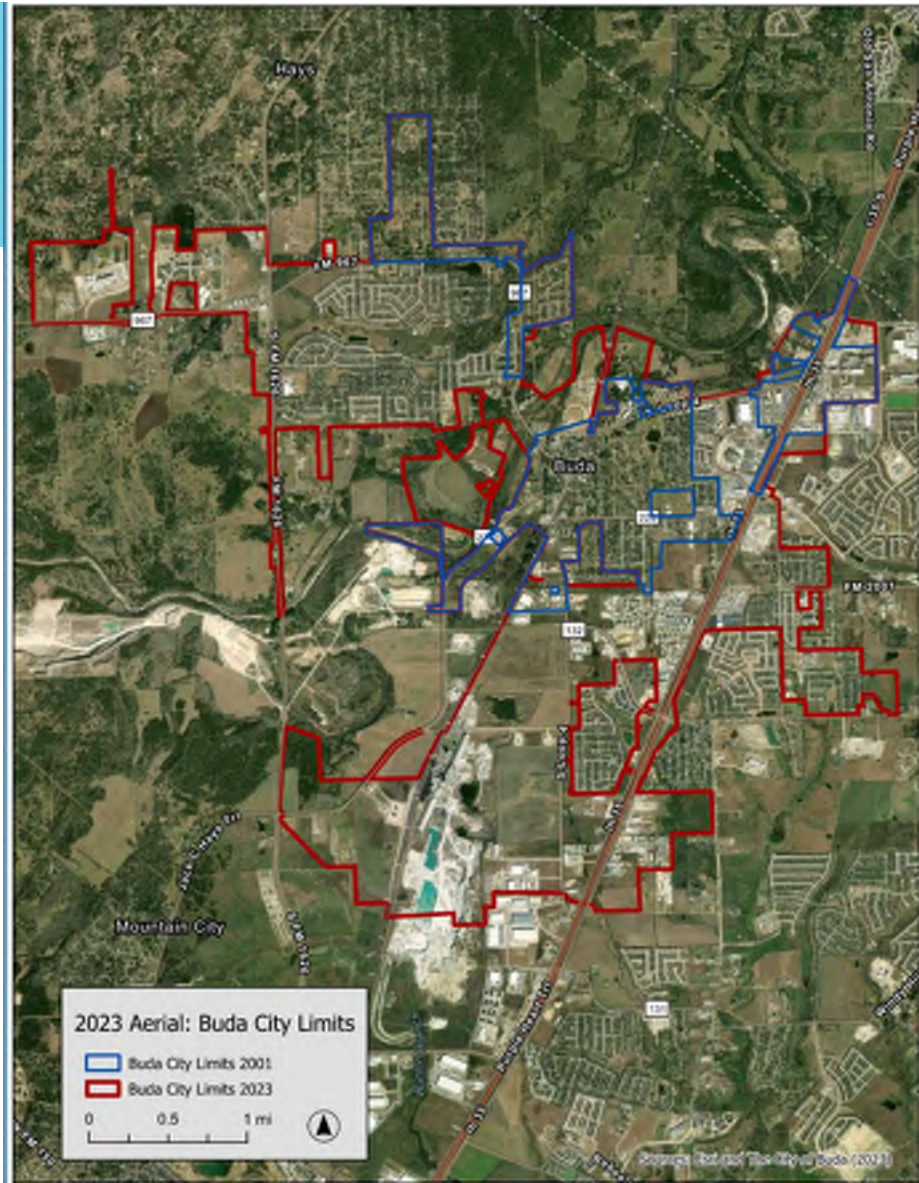
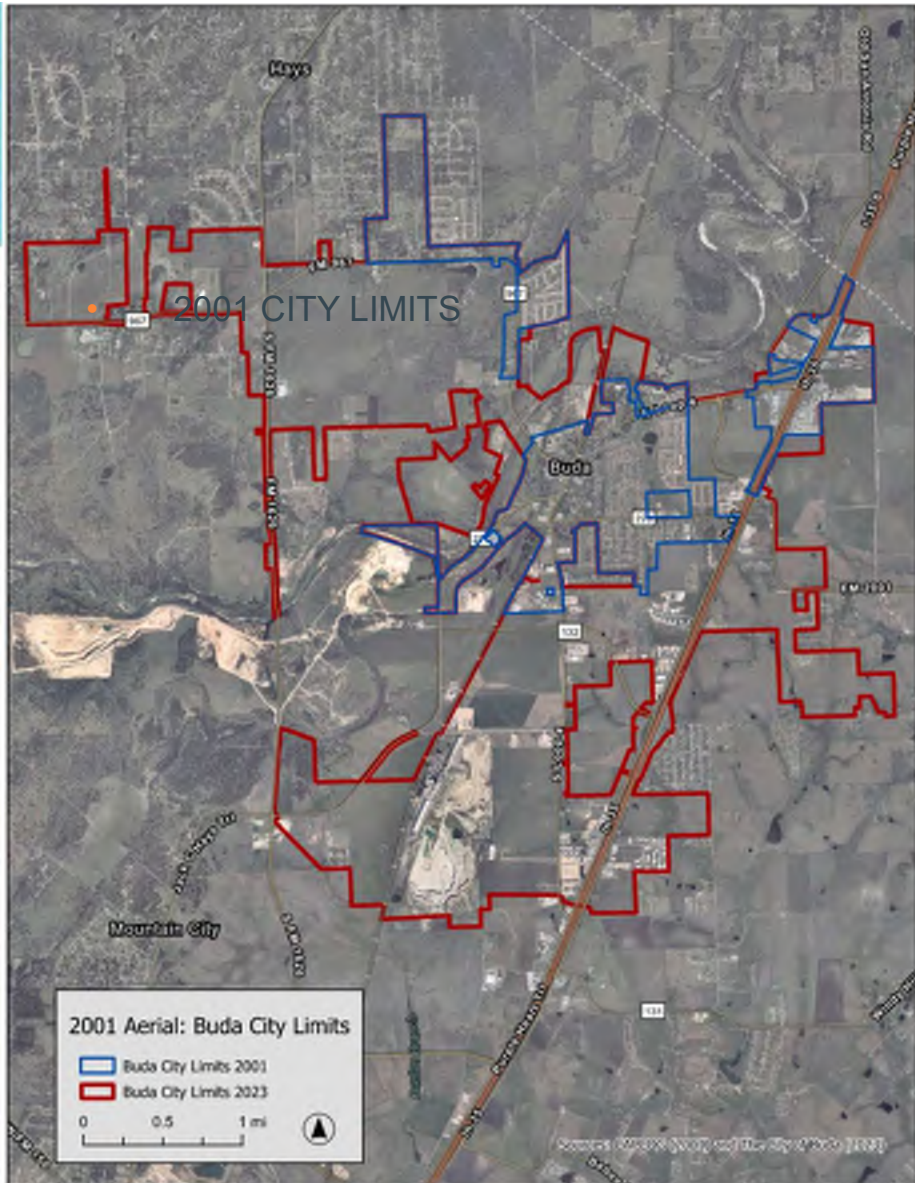
- All THINGS Buda
- 2014 Bond Program
- Maintaining aging infrastructure as we GROW
- 2021 Bond Program

CITY OF BUDA

City of Buda Projected Population Growth



Source: US Census Bureau (Red Points) and The City of Buda (Blue Points)



2014 BOND PROJECTS

- FIRST CITY BOND ELECTION
- \$55 Million
- Prop 1: \$21M City Hall and Public Library
- Prop 2: \$6.25M Police Department Facility
- **Prop 3: \$12.25M Roadway Improvements**
- Prop 4: \$7M Drainage Improvements
- Prop 5: \$8M Parks and Trails

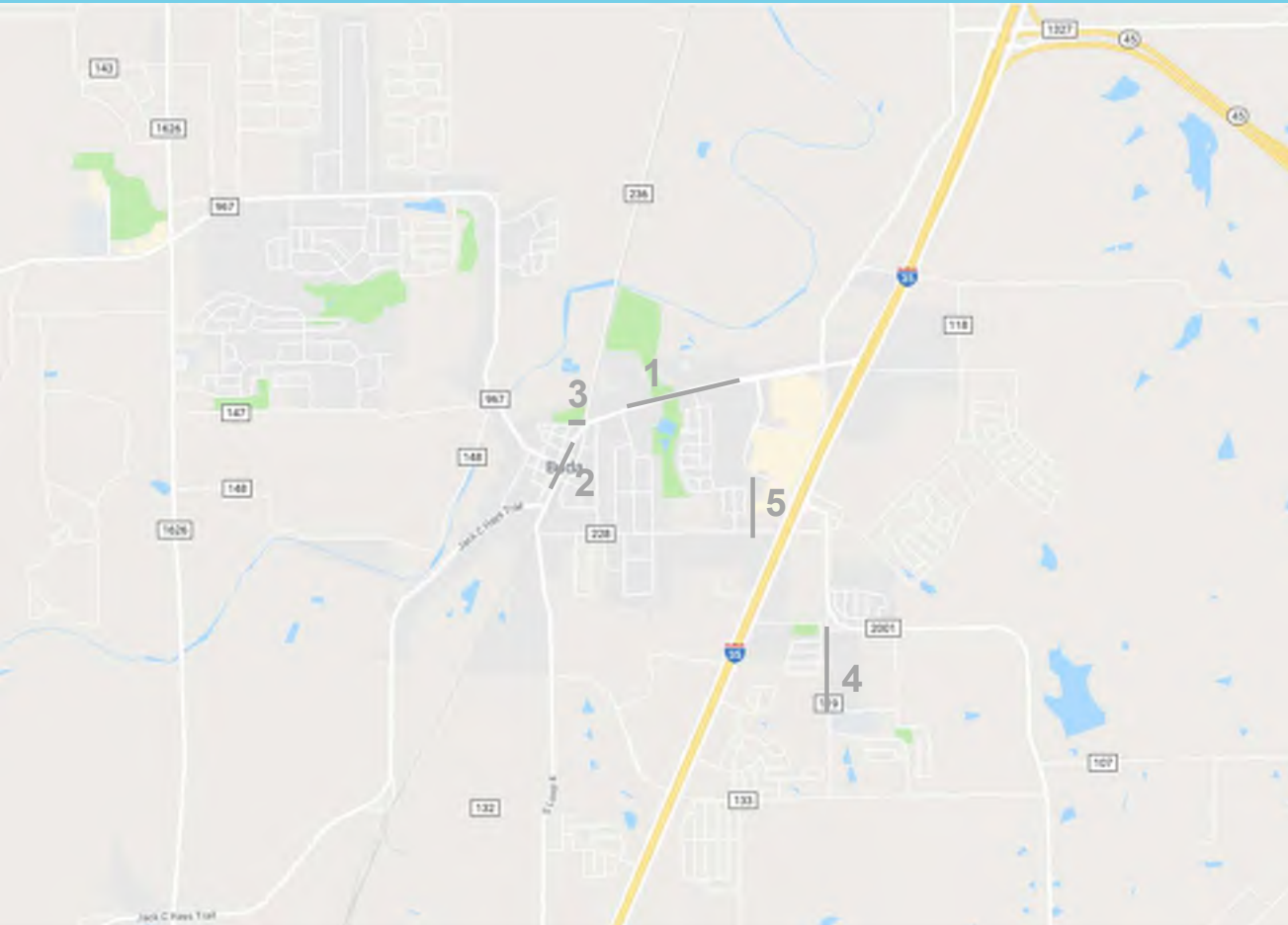


2014 BOND: Prop 3 Roadway Improvements

1. Main Street
2. Main Street at RM 967 Downtown (TXDOT)
3. San Antonio & Garison Road Improvements
4. Old Goforth Road Improvement (TXDOT)
5. Cabela's Connector – NEW Roadway



2014 BOND: Main Street Improvements



Main Street



SCOPE OF WORK:

- A. Widening of the Bradfield Drive / Main Street Intersection and extension of the 5-lane section to the west of Santa Cruz Catholic church
- B. Signal Modification at Bradfield Drive and Main Street to accommodate additional lanes
- C. Bradfield Park cross culvert extension / modification
- D. Extension of sidewalk along Main Street and improved accessibility to Bradfield Park
- E. Select areas for pavement base repair
- F. Pavement overlay and re-striping
- G. Install traffic signal

Voters Passed
Proposition 3
November 4, 2014

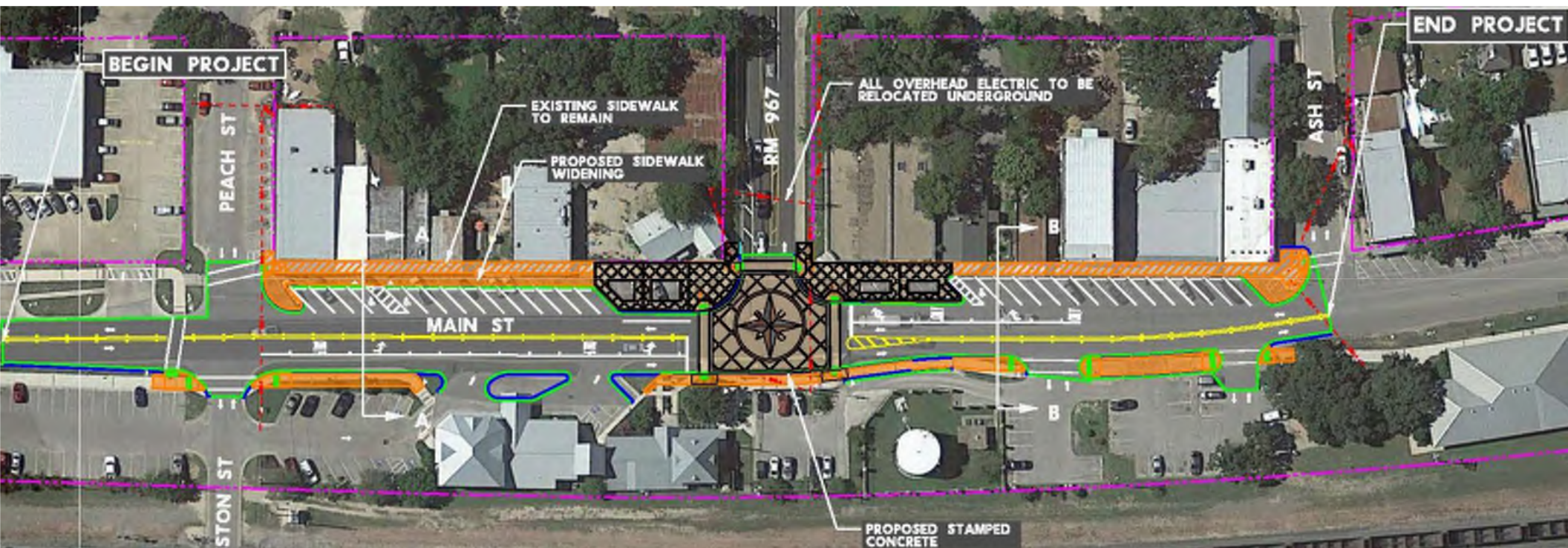
2014 BOND: Main Street Improvements

- Arborist Analysis of Tree Health
- Public Input to Protect the Trees – 2:1 over Traffic Flow & 3:1 Over Safety



2014 BOND: Main Street & RM 967

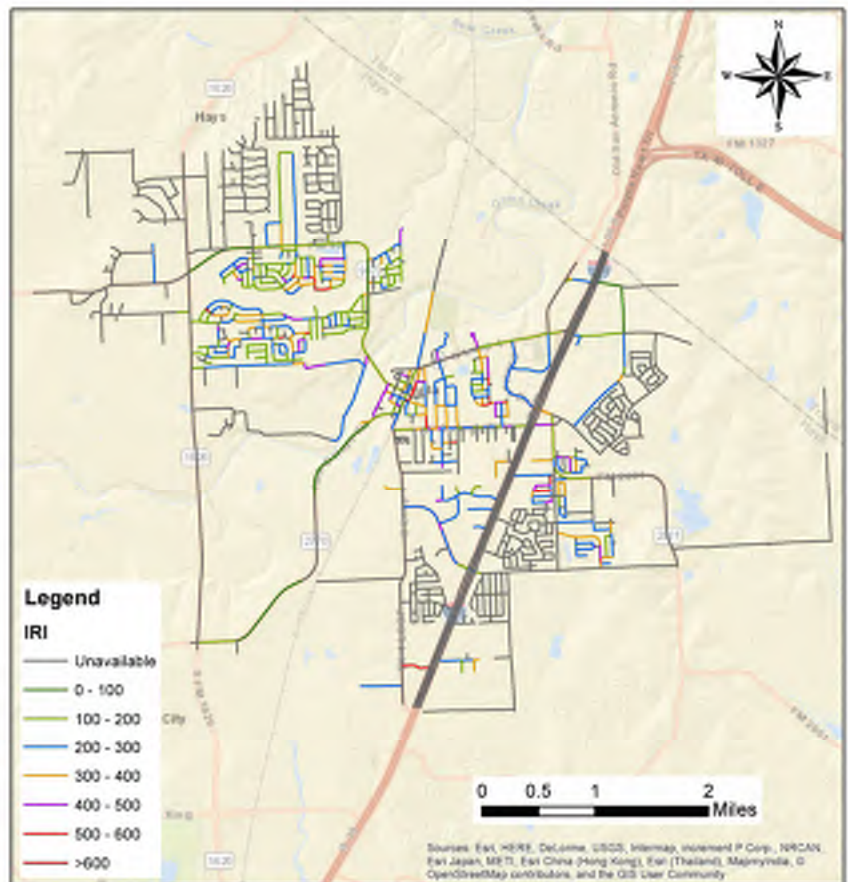
- Create turning lanes and through lanes to address traffic flow:
- Reconfiguration of sidewalks, signing and striping for enhanced pedestrian safety.
- Maintain existing diagonal parking.
- Relocation of traffic signal poles, PEC & Frontier Utilities



PAVEMENT CONDITION ASSESSMENT

- Tremendous Growth since 2004 (fastest growing city over 10,000 in the nation)
- Much of the infrastructure is reaching its initial lifespan at around the same time
- About 40% of roads rated Fair or less





**City of Buda, TX
2020 IRI Values**



Fugro USA Land, Inc
8013 Cross Park Dr.
Austin, TX 78754

Base Map: World Street Map
GCS: NAD1983 St. TX Cen. FIPS Pl. 4203 F

Date of Compilation: OCT 16, 2020
Prepared by Mohammad Iqbal

This exhibit is intended solely for the
pavement management purposes.

CURRENT STREETS/PW STAFFING

Annual Program

Total mileage: 150 miles

1.5 miles thin overlay

0 Chip seal????

0.5 Crack seal

0.25 Pothole Repairs

Staffing

12 – FTEs in the Streets
Department
(All divisions)

Streets 4

Stormwater 4

R.O.W 4

Equipment

Old Motor Grader

Old smaller Paver

Double Steel Drum

Roller

Pneumatic Roller

Loader

Backhoe

Skidsteer

Water Truck

Small Tac Trailer

Line Lazier Striper

Thermoplastic Striper

ONGOING CHALLENGES

- ESCALATING COSTS
 - \$1.7M needed annually
 - \$250,000 available
- POLITICAL PRESSURE
- DECISIONS ABOUT IN-HOUSE, OUTSOURCED OR HYBRID PROGRAMS





2021 BOND PROJECTS

-
- \$90 million in projects
 - Prop A Transportation:
<https://www.budabonds.com/transportation>
 - Prop B Parks:
<https://www.budabonds.com/parks-rec>
 - MAPS OF ALL THE PROJECTS



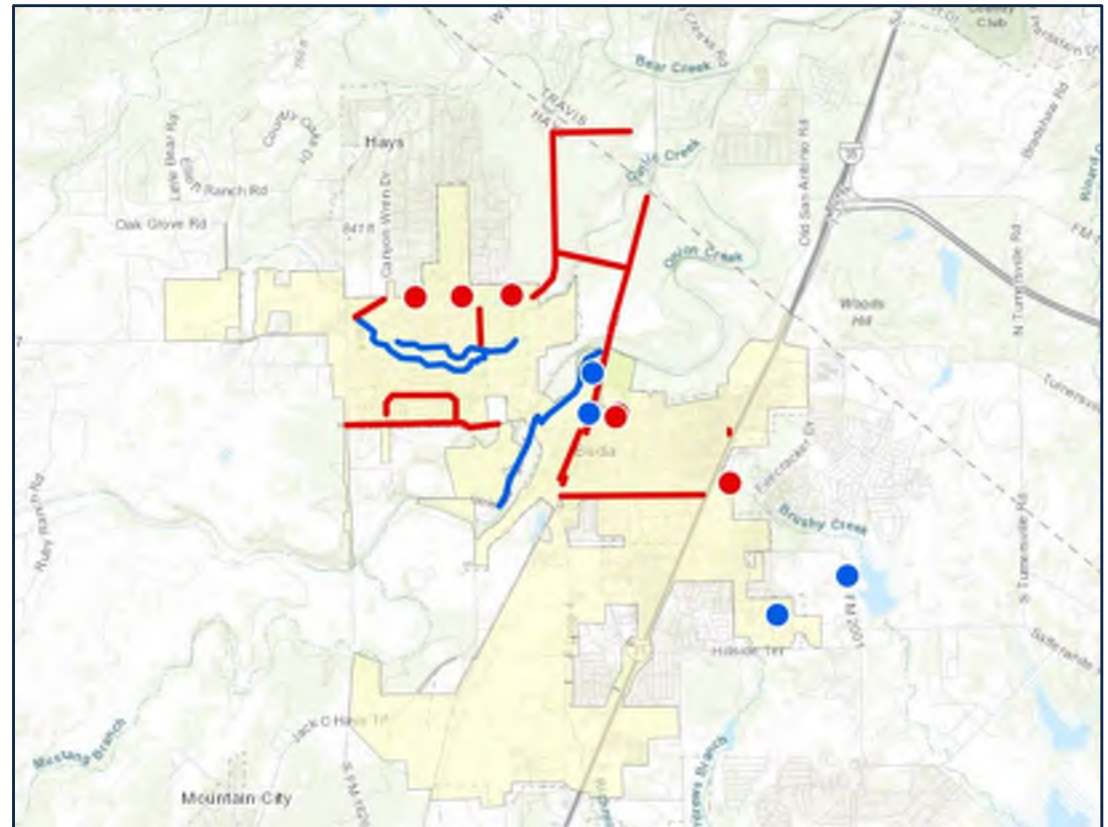
BOND PROGRAM PROJECT LOCATIONS

Proposition A “Transportation” Projects - \$73,570,000

- Old Black Colony Road Reconstruction
- West Goforth Road Reconstruction
- Overpass Road/FM 2001 Intersection Improvements
- RM 967 Acceleration/Deceleration Lanes
- Austin Street Reconstruction
- FM 2770/China St./Main St. Pedestrian Connections
- Talley Loop Rehabilitation
- IH-35 To Old San Antonio Road Connector
- Middle Creek Drive Rehabilitation
- SH-45/Bailey East-West Corridor
- RM 967 Right Turn Lane onto FM 1626
- Pedestrian & Bike Improvements throughout the City
- Future Small Mobility Improvements and to be “Shovel Ready” for potential grant funding

Proposition B “Parks/Recreation” Projects - \$16,090,000

- Garlic Creek Trail Phase II
- Eastside Park Land Acquisition
- Onion Creek Trail
- Green Meadows Park / Stoneridge
- City Park Parking Improvements
- Garrison Park Phase I



Project Status

2022	2023				2024				2025				2026				2027			
OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT

PROPOSITION A: TRANSPORTATION PROJECTS

West Goforth Road Reconstruction	[Bar from Oct 2022 to Oct 2027]																			
Old Black Colony Road Reconstruction	[Bar from Oct 2022 to Oct 2027]																			
Austin Street Reconstruction	[Bar from Jul 2023 to Jul 2026]																			
FM 2770/China St/Main St Pedestrian Commons	[Bar from Jan 2023 to Apr 2025]																			
Middle Creek Drive Rehabilitation	[Bar from Jan 2023 to Jul 2025]																			
RM 967 Right Turn Lane onto FM 1626	[Bar from Oct 2022 to Oct 2025]																			
SH-45/Bailey East-West Corridor	[Bar from Jan 2023 to Apr 2024]																			
Overpass Road/FM 2001 Intersection Improvements	[Bar from Oct 2022 to Apr 2024]																			
RM 967 Acceleration/Deceleration Lanes	[Bar from Jan 2023 to Apr 2025]																			
Talley Loop Reconstruction	[Bar from Oct 2022 to Oct 2024]																			
IH-35 to Old San Antonio Road Connector	[Bar from Jan 2023 to Apr 2024]																			
Pedestrian & Bike Improvements throughout the City	[Bar from Oct 2022 to Oct 2027]																			
Future Small Mobility Improvements and to be "Shovel Ready" for potential Grant Funding	[Bar from Oct 2022 to Oct 2027]																			

PROPOSITION B: PARKS AND RECREATION PROJECTS

Onion Creek Trail	[Bar from Oct 2022 to Oct 2024]																			
Garrison Park Phase I	[Bar from Oct 2022 to Oct 2025]																			
Garlic Creek Trail Phase II	[Bar from Oct 2022 to Apr 2024]																			
Eastside Park Land Acquisition	[Bar from Oct 2022 to Apr 2024]																			
Green Meadows Park/Stoneridge	[Bar from Oct 2022 to Oct 2024]																			
City Park Parking Improvements	[Bar from Oct 2022 to Oct 2024]																			

PROJECTS IN PROGRESS

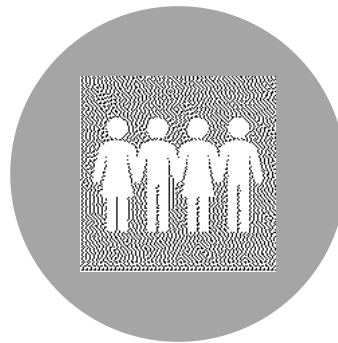
- Old San Antonio Road Sidewalk Gap (M35)
- Bella Vita Sidewalk & Bridge to West Goforth (M46)
- Cabela's Connector (M34)



2021 BOND PROJECTS - CHALLENGES



\$90 MILLION IN
PROJECTS



SMALL STAFF



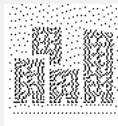
CONSULTANTS

Schedule Drivers	LAND ACQUISITION	TXDOT	PUBLIC ENGAGEMENT	ENVIRONMENTAL	UTILITY	OUTSIDE FUNDING	OVERLAPPING PROJECTS	DRAINAGE/	MAINTAIN ACCESS	RAILROAD
PROPOSITION A: TRANSPORTATION PROJECTS										
West Goforth Road Reconstruction	●		●	●	●		●	●	●	●
Old Black Colony Road Reconstruction	●		●	●	●		●	●	●	
Austin Street Reconstruction	●		●	●			●	●	●	
FM 2770/China St/Main St Pedestrian Commons		●				●	●			●
Middle Creek Drive Rehabilitation			●	●				●	●	
RM 967 Right Turn Lane onto FM 1626		●				●	●	●		
SH-45/Bailey East-West Corridor			●			●	●			
Overpass Road/FM 2001 Intersection Improvements		●				●				
RM 967 Acceleration/Deceleration Lanes		●								
Talley Loop Reconstruction									●	
IH-35 To Old San Antonio Road Connector	●									
Pedestrian & Bike Improvements throughout the City						●	●			
Future Small Mobility Improvements and to be "Shovel Ready" for potential Grant Funding						●	●			
PROPOSITION B: PARKS AND RECREATION PROJECTS										
Onion Creek Trail		●		●		●	●	●		
Garrison Park Phase I			●	●		●		●		
Garlic Creek Trail Phase II				●		●		●		
Eastside Park Land Acquisition	●					●				
Green Meadows Park/Stoneridge			●							
City Park Parking Improvements								●		

2021 BOND PROJECTS - WINS



Leveraging Bond Funds with Grant Bunds



New and Efficient Infrastructure



Community Character



Tax Levy Lower than Anticipated

QUESTIONS?

