



# TRANSPORTATION, DRAINAGE & WATERSHED

CITY OF NEW BRAUNFELS  
PROPOSED  
**BOND 2023**



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PROPOSED  
**BOND 2023**

# TRANSPORTATION



# TRANSPORTATION

Planning, design, construction, or maintenance of a public street, sidewalk, or related facility for vehicles, pedestrian, bicycles, and transit.

## *Goals and objectives*

- Improve connectivity to reduce congestion and mitigate traffic impacts
- Provide a safe and efficient transportation network for all users

## *Community input*

- Envision New Braunfels
- Regional Transportation and Hike & Bike Trail Plans
- Roadway Impact Fee Capital Improvement Plan
- Alamo Area MPO Metropolitan Transportation Plan and other studies
- Community requests and high growth areas

# TRANSPORTATION – PRIORITY FACTORS

*Mobility and connectivity*

*Public health and safety*

*Promotes multimodal transportation*

*City adopted plans*

*External funding*

# TRANSPORTATION – PRIORITY RANKING

Priority	Project	Estimated Cost
1	Barbarosa Rd/Saur Ln Phase 1 (FM 1101 - Saengerhalle Rd)	 \$17,940,000
2	Common Street Pedestrian Improvements (Liberty Ave - Loop 337)	 \$2,207,000
3	Common St (Loop 337 - FM 306)	 \$17,600,000
4	Conrads Ln (Goodwin Ln - City Limit)	\$8,804,000
5	Citywide Intersection Improvements	 \$18,562,000
6	Kohlenberg Rd (FM 1101 - IH 35)	 \$7,826,000
7	Gruene Rd (New Braunfels St - Rock St)	 \$2,845,000
8	Orion Dr (Goodwin Ln - City Limit)	\$5,648,000
9	Citywide Pedestrian Improvements	\$5,000,000
10	S Kowald Lane (FM 1101 - IH 35)	 \$9,350,000

\*Indicates previous or ongoing project work



# TRANSPORTATION – PRIORITY RANKING

Priority	Project	Estimated Cost
11	North-South Collector Phase 1 (IH 35 - FM 1101)	 \$ 6,917,000
12	Solms Rd (IH 35 - FM 482)	 \$4,080,000
13	River Rd (Lakeview Blvd - Loop 337)	 \$10,916,000
14	Waterway Ln (Gruene Rd - Common St)	 \$3,638,000
15	Hill Country Dr (SH 46 - City Limit)	 \$14,468,000
Total (1-15)		 \$135,801,000
Citywide Street Improvements		 \$25,000,000
Total Transportation		 \$160,801,000

\*Indicates previous or ongoing project work



# TRANSPORTATION FUNDING SOURCES

## *Alamo Area Metropolitan Planning Organization (AAMPO)*

- Surface Transportation Block Grant
- Transportation Alternatives

## *Federal/State Programs*

- Highway Safety Improvement Program
- Bridge Program
- Bipartisan Infrastructure Law

## *Roadway Impact Fee Program*

## *Public Improvements Escrow from New Development*

# 1. BARBAROSA RD/SAUR LN PHASE 1 (FM 1101 – SAENGERHALLE RD)



## *Project objectives*

- Improve regional and area mobility
- Improve connectivity to the airport and between FM 758 and FM 1101
- Parallel route for SH 46
- Pedestrian and bicycle accommodations

## *Project scope*

- Widen Barbarosa Rd/Saur Ln from two-lanes to four-lanes
- Turn lanes and traffic signal improvements at major intersections
- Drainage infrastructure and pedestrian and bicycle facilities

# 1. BARBAROSA RD/SAUR LN PHASE 1 (FM 1101 – SAENGERHALLE RD)



# 1. BARBAROSA RD/SAUR LN PHASE 1 (FM 1101 – SAENGERHALLE RD)



## *Risks and constraints*

Right of way, access, regional drainage, airport

## *Estimated project costs*

**\$17.9M Total** | \$3M Design | \$11.3M Construction | \$3.6M ROW, Utility, Add

External funding: \$9M AAMPO Construction (2006-2007)

## *Project and preliminary design considerations*

- Access to local properties
- Development and airport coordination
- Regional bicycle route

## 2. COMMON ST PEDESTRIAN IMPROVEMENTS (LIBERTY AVE –LOOP 337)



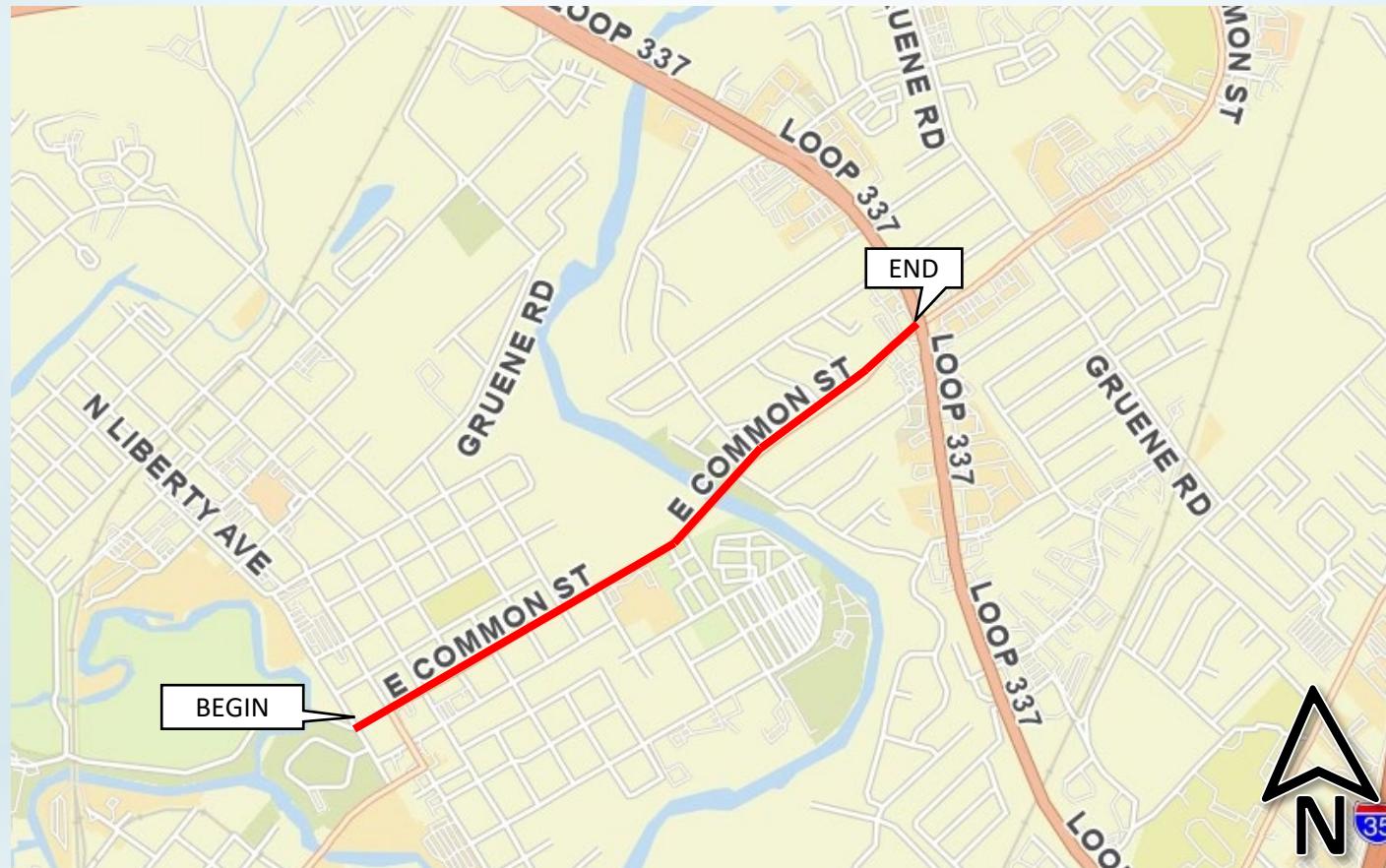
### *Project objectives*

- Improve pedestrian connectivity between neighborhoods, city parks, New Braunfels Public Library, Lamar Elementary School, and the Comal County Fairgrounds
- Enhance pedestrian mobility and safety

### *Project scope*

- New sidewalks and curb ramps on both sides of Common Street
- Protected pedestrian crossings at key intersections
- Coordinate with potential pavement rehabilitation on Common Street

## 2. COMMON ST PEDESTRIAN IMPROVEMENTS (LIBERTY AVE - LOOP 337)



## 2. COMMON ST PEDESTRIAN IMPROVEMENTS (LIBERTY AVE - LOOP 337)



### *Risks and constraints*

Floodplain, utilities, access, residential impacts

### *Estimated project costs*

**\$2.2M Total** | \$356K Design | \$1.8M Construction | \$75K Additional costs

External funding: \$1.1M AAMPO Construction (2023)

### *Project and preliminary design considerations*

- Pavement rehabilitation coordination
- Shared-use path/bicycle accommodations

# 3. COMMON ST (LOOP 337 - FM 306)



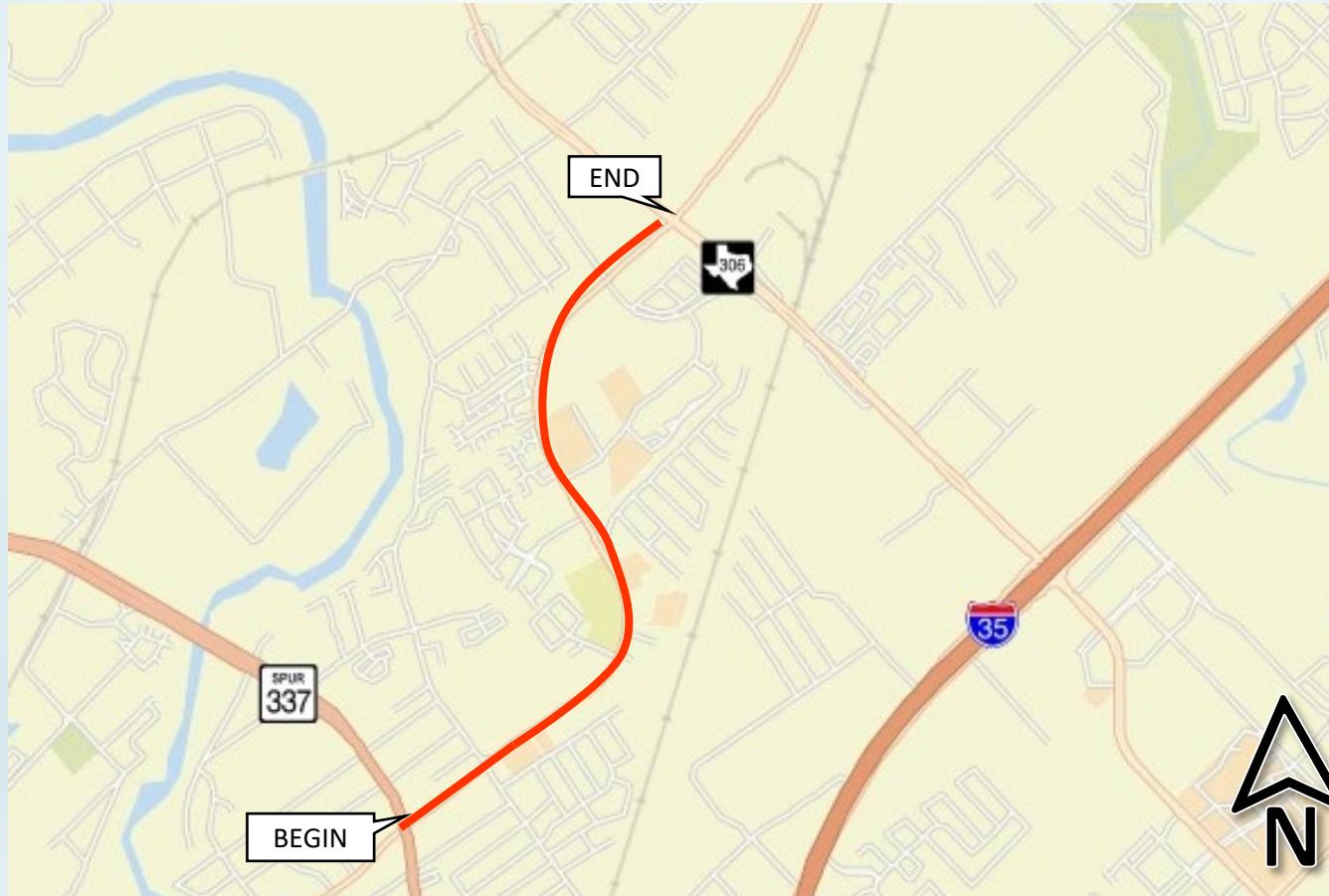
## *Project objectives*

- Improve regional and area connectivity between Loop 337 and FM 306
- Improve local mobility for neighborhoods, businesses, schools, and new development
- Enhance pedestrian access and safety

## *Project scope*

- Widen Common St to a four-lane road with sidewalks
- Drainage infrastructure and new traffic signals at major intersections
- Intersection improvements, access management, and traffic signal changes between Loop 337 and Gruene Rd

### 3. COMMON ST (LOOP 337 - FM 306)



# 3. COMMON ST (LOOP 337 - FM 306)



## *Risks and constraints*

Right of way, access, regional drainage

## *Estimated project costs*

**\$17.6M Total** | \$2.5M Design | \$12.4M Construction | \$2.7M ROW, Utility, Add

## *Project and preliminary design considerations*

- Lane configuration
- Access management/safety improvements
- Regional bicycle/trail route
- *Currently evaluating near and short-term improvements between Loop 337 and Gruene Rd*

## 4. CONRADS LN (GOODWIN LN – CITY LIMIT)

### *Project objectives*

- Improve connectivity between Goodwin Ln and the city limit
- Support the growth and development in the area
- Provide pedestrian connectivity to neighborhoods and Oak Creek Elementary

### *Project scope*

- Improve existing two-lane road with turn lanes at major intersections
- Drainage infrastructure and pedestrian facilities
- Improved railroad crossing including consideration for a quiet zone
- Coordinate with Comal County and TxDOT to extend project to FM 1102.

## 4. CONRADS LN (GOODWIN LN – CITY LIMIT)



## 4. CONRAD'S LN (GOODWIN LN – CITY LIMIT)

### *Risks and constraints*

Railroad, right of way, city/county/state jurisdiction

### *Estimated project costs*

**\$8.8M Total** | \$1.2M Design | \$6.1M Construction | \$1.5M ROW, Utility, Add

### *Project and preliminary design considerations*

- Comal County, UPRR, FRA, and TxDOT coordination
- Railroad crossing improvements and quiet zone
- Pedestrian and bicycle access to local improvements

# 5. CITYWIDE INTERSECTION IMPROVEMENTS



## *Project objectives*

- Provide intersection and signal improvements
- Enhance safety and improve intersection operations

## *Project scope*

- New traffic signal installations at locations that have been warranted
- Access management
- Intersection reconstruction including adding turn lanes
- Convert wire to mast arms, add pedestrian signals, add emergency vehicle preemption, and upgrading detection technology

# 5. CITYWIDE INTERSECTION IMPROVEMENTS



## *Potential project locations*

- Post Rd at Gruene Rd
- San Antonio St at Market St
- Klein Rd at Klein Way
- Klein Rd at Walnut Ave
- SH 46 at Mary Blvd and Saengerhalle Rd
- FM 1044 at County Line Rd
- SH 46 at Hueco Springs Loop
- FM 1044 at Schmidt Ave
- San Antonio St at Union Ave
- Union Ave at Common St
- SH 46 at FM 1863/Alyssa Way
- Bus 46 at Ohio Ave/Kerlick Ln

## 5. CITYWIDE INTERSECTION IMPROVEMENTS



# 5. CITYWIDE INTERSECTION IMPROVEMENTS



## *Risks and constraints*

Right of way, utilities, upgrade needs

## *Estimated project costs*

**\$18.6M Total** | \$2.7M Design | \$13.3M Construction | \$2.6M ROW, Utility, Add

## *Project and preliminary design considerations*

- Lane configuration and turn lanes additions
- Traffic signal layout, phasing, coordination, and timing
- Technology upgrades

# 6. KOHLENBERG RD (FM 1101 - IH 35)



## *Project objectives*

- Improve connectivity between FM 1101 and IH 35
- Support the growth and development in the area
- Provide pedestrian connectivity to new Mayfair park on Kohlenberg Rd

## *Project scope*

- Widen Kohlenberg Rd from a two-lane road to a four-lane road
- Turn lanes at major intersections, drainage infrastructure, new traffic signal at FM 1101, and pedestrian/bicycle accommodations

# 6. KOHLENBERG RD (FM 1101 - IH 35)



# 6. KOHLENBERG RD (FM 1101 - IH 35)



## *Risks and constraints*

Right of way, regional drainage, gas utilities

## *Estimated projects costs*

**\$7.8M Total** | \$1M Design | \$5M Construction | \$1.8M ROW, Utility, Add

## *Project and preliminary design considerations*

- Coordination with TxDOT IH 35 improvements
- New traffic signal at FM 1101
- Development and Mayfair coordination

# 7. GRUENE RD (NEW BRAUNFELS ST – ROCK ST)



## *Project objectives*

- Provide pedestrian and bicycle facilities to connect neighborhoods, river recreation, businesses, and Gruene
- Improve safety at the Gruene Rd & Rock St intersection

## *Project scope*

- Complete sidewalk gaps on one side of Gruene Rd
- Rehabilitate pavement and add bike lanes
- Improve safety and operations at the intersection of Gruene Rd and Rock St including consideration for a quiet zone railroad crossing

# 7. GRUENE RD (NEW BRAUNFELS ST – ROCK ST)



# 7. GRUENE RD (NEW BRAUNFELS ST – ROCK ST)



## *Risks and constraints*

Right of way, floodplain

## *Estimated project costs*

**\$2.8M Total** | \$458K Design | \$2.3M Construction | \$97K Additional Costs

## *Project and preliminary design considerations*

- Improved pedestrian access from Guadalupe River to Gruene
- Rock Street intersection improvements and quiet zone
- Regional/local bicycle route

# 8. ORION DR (GOODWIN LN – CITY LIMIT)

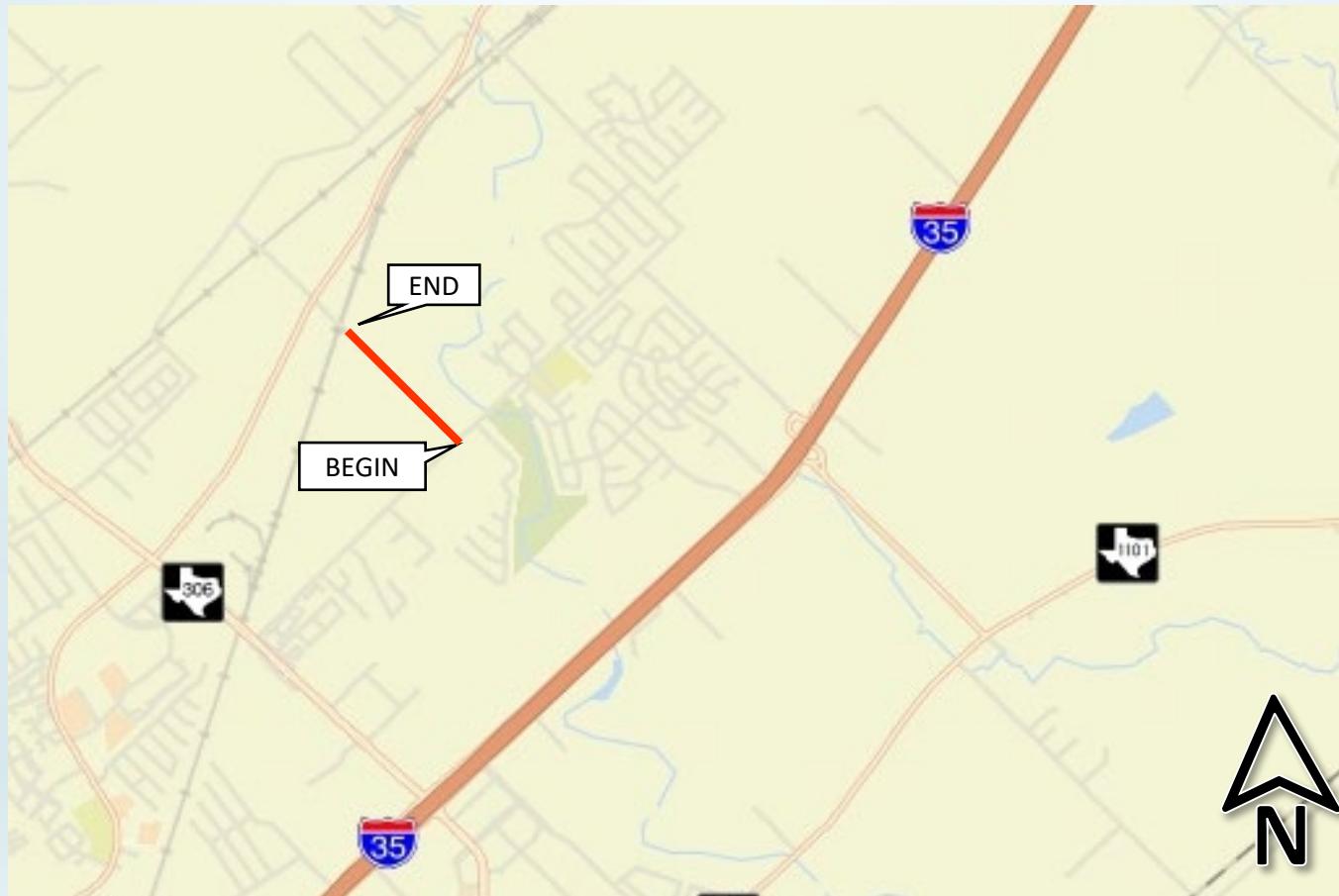
## *Project objectives*

- Improve connectivity between Goodwin Ln and the city limit
- Support the growth and development in the area
- Provide pedestrian connectivity to neighborhoods and Oak Creek Elementary

## *Project scope*

- Improve existing two-lane road with turn lanes at major intersections
- Drainage infrastructure and pedestrian facilities
- Improved railroad crossing, including consideration for a quiet zone, in coordination with Comal County.
- Coordinate with Comal County and TxDOT to extend project to FM 1102.

# 8. ORION DR (GOODWIN- CITY LIMIT)



## 8. ORION DR (GOODWIN- CITY LIMIT)

### *Risks and constraints*

Railroad, right of way, floodplain, city/county/state jurisdiction

### *Estimated project costs*

**\$5.7M Total** | \$780K Design | \$3.9M Construction | \$1M ROW, Utility, Add

External funding: Development public improvement/mitigation escrow

### *Project and preliminary design considerations*

- Comal County, UPRR, FRA, and TxDOT coordination
- Roadway configuration and pedestrian/bicycle access to local improvements
- Railroad crossing improvements and quiet zone

# 9. CITYWIDE PEDESTRIAN IMPROVEMENTS

## *Project objectives*

- Improve connectivity and safety for pedestrians throughout the city
- Increase active transportation opportunities throughout the city

## *Project scope*

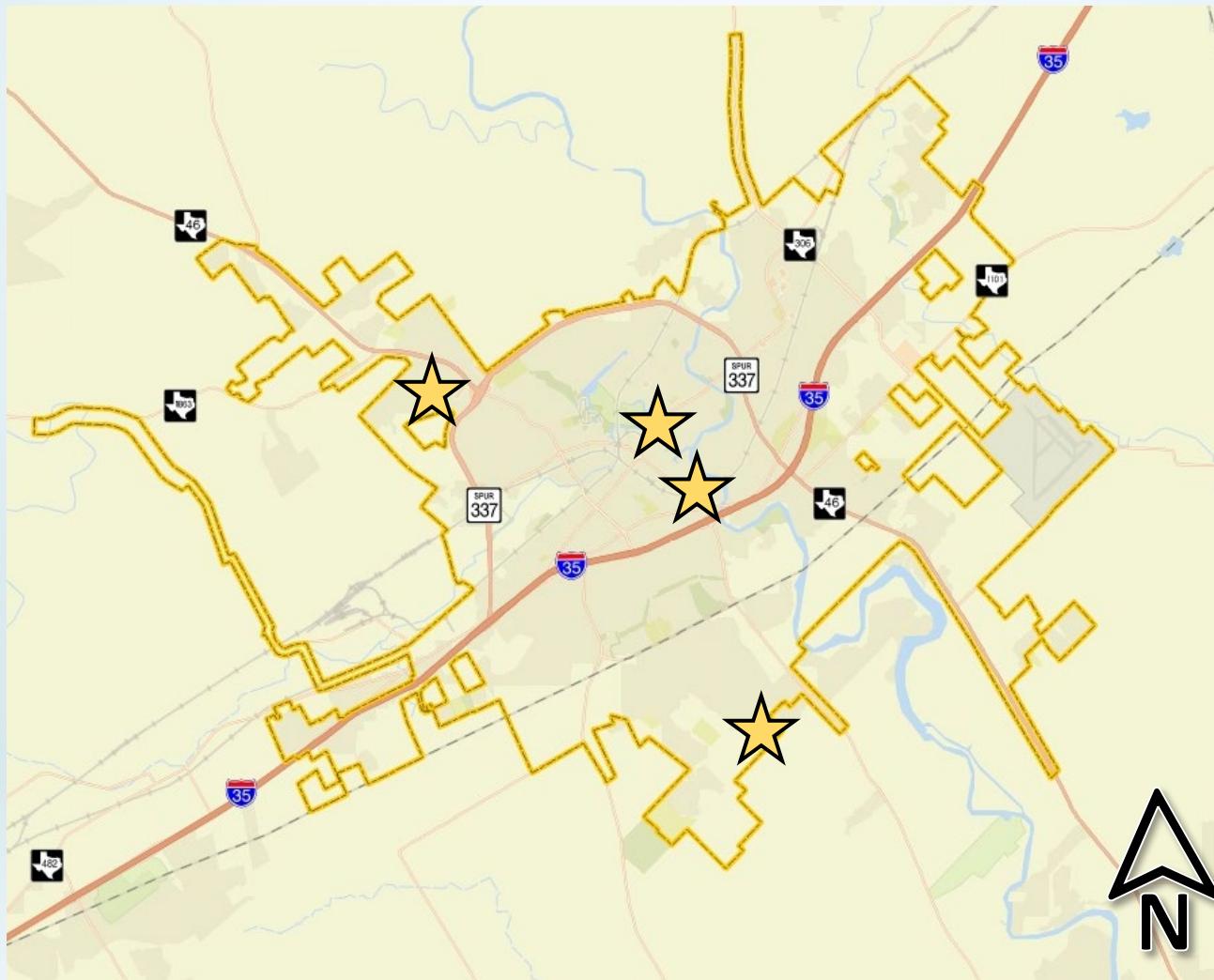
- Complete sidewalk gaps
- Improve and enhance existing sidewalks and curb ramps
- Add enhanced pedestrian crossings and crosswalks

# 9. CITYWIDE PEDESTRIAN IMPROVEMENTS

## *Potential project locations*

- Christus Santa Rosa Hospital Area
- River Recreation Area –  
*E San Antonio St and S Union Ave*
- Prince Solms and Hinman Island Parks –  
*Liberty St, Hinman Island Dr, and Elizabeth Ave*
- New Braunfels Middle and Klein Road Elementary Area –  
*Settlers Crossing and Diamond Back Trail*
- Oak Run Parkway Pedestrian (and Bike) Gap –  
*Between Hunters Trace, Hunters Creek, and Hunters Village*

# 9. CITYWIDE PEDESTRIAN IMPROVEMENTS



# 9. CITYWIDE PEDESTRIAN IMPROVEMENTS

## *Risks and constraints*

Right of way, utilities, drainage, residential impacts

## *Estimated project costs*

**\$5M Total** | \$763K Design | \$4M Construction | \$170K Additional Costs

## *Project and preliminary design considerations*

- Enhanced pedestrian crossing and crosswalks
- Traffic calming and safety features
- Shared-use path and buffer opportunities
- Bicycle connectivity and accommodations

# 10. S KOWALD LANE (FM 1101 – IH 35)



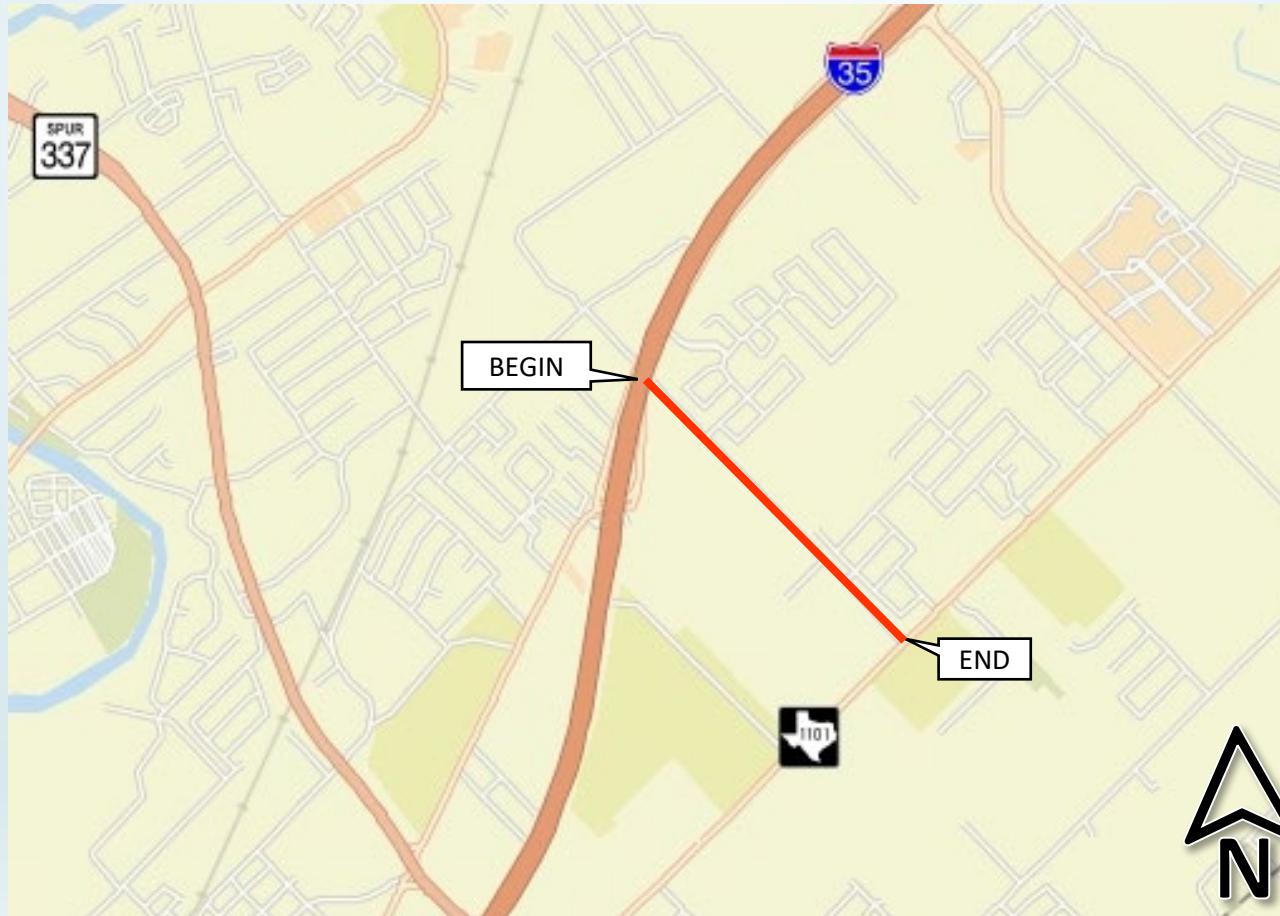
## *Project objectives*

- Improve mobility between IH 35 and FM 1101
- Improve access to new development and schools
- Provide pedestrian accommodations to improve safety for school children walking to area schools

## *Project scope*

- Improve existing two-lane road with center turn lane
- Turn lanes at major intersections and improvements at IH 35
- Traffic signal at FM 1101 and Freiheit Elementary
- Major regional and local drainage improvements

# 10. S KOWALD LANE (FM 1101 – IH 35)



# 10. S KOWALD LANE (FM 1101 – IH 35)



## *Risks and constraints*

Drainage, gas utilities, IH 35 access

## *Estimated project costs*

**\$9.4M Total** | \$1.4M Design | \$7M Construction | \$1M Utility, Additional Costs

## *Project and preliminary design considerations*

- Developer, TxDOT, and CISD coordination
- Enhanced pedestrian crossing to schools and hike & bike trail

# 11. NORTH-SOUTH COLLECTOR PHASE 1 (FM 1101 - IH 35)



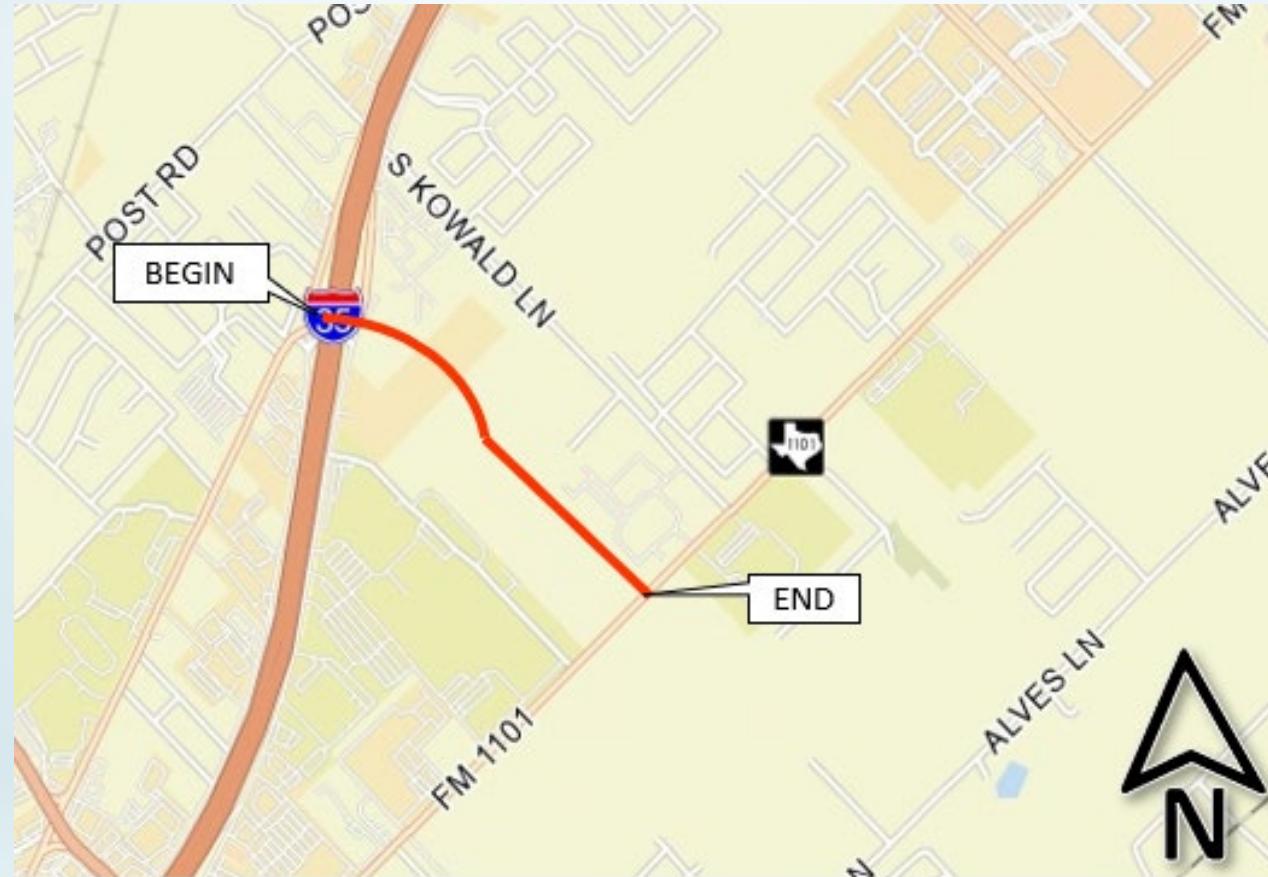
## *Project objectives*

- Improve connectivity between IH 35 and FM 1101
- Increase area mobility to area schools and high growth development
- Provide traffic relief from SH 46 and FM 306
- Connect to a full access interchange with IH 35

## *Project scope*

- New four-lane road including drainage infrastructure
- Pedestrian accommodations
- Intersection improvements at IH 35 and FM 1101

# 11. NORTH-SOUTH COLLECTOR PHASE 1 (FM 1101 - IH 35)



# 11. NORTH-SOUTH COLLECTOR PHASE 1 (FM 1101 - IH 35)



## *Risks and constraints*

Right of way, drainage, gas utilities, environmental

## *Estimated project costs*

**\$6.9M Total** | \$1M Design | \$4.7M Construction | \$1.4M ROW, Utility, Add

## *Project and preliminary design considerations*

- Coordinate preferred alignment with property owner/future developer
- Coordinate utility needs
- TxDOT coordination

# 12. SOLMS RD (IH 35 – FM 482)

## *Project objectives*

- Improve mobility and safety for heavy truck traffic
- Extend multimodal improvements across IH 35
- Connect to future TxDOT improvements
- Improve capacity and safety at FM 482

## *Project scope*

- Improve existing road with additional turn lanes at FM 482 and IH 35
- Continue bike lanes and pedestrian accommodations

# 12. SOLMS RD (IH 35 – FM 482)



## 12. SOLMS RD (IH 35 – FM 482)

### *Risks and constraints*

Right of way, utilities, access, heavy truck traffic

### *Estimated project costs*

**\$4M Total** | \$563K Design | \$2.8M Construction | \$700K ROW, Utility, Add

### *Project and preliminary design considerations*

- Coordinate with TxDOT on IH 35 improvements
- New traffic signal at FM 482

# 13. RIVER RD (LAKEVIEW BLVD - LOOP 337)

## *Project objectives*

- Improve low water crossing access between residential area and Loop 337
- Improve intersection the northbound approach to Loop 337 intersection
- Provide multimodal connectivity to the Veramendi Development and future improvements to River Road

## *Project scope*

- Improve existing two-lane road with turn lanes, bike lanes, and a shared-use path on one side
- Hydraulic bridge structure at lower water crossing and along road
- Improved intersection at Rock St

# 13. RIVER RD (LAKEVIEW BLVD - LOOP 337)



# 13. RIVER RD (LAKEVIEW BLVD - LOOP 337)

## *Risks and constraints*

Right of way, floodplain, drainage/low water crossing

## *Estimated project costs*

**\$10.9M Total** | \$1.5M Design | \$7.5M Construction | \$1.9M ROW, Utility, Add

## *Project and preliminary design considerations*

- Coordinate with Blieders Creek/German Creek drainage project
- Regional bicycle route – New Braunfels to River Road
- Connection to Headwaters at the Comal



# 14. WATERWAY LN (GRUENE RD - COMMON ST)



## *Project objectives*

- Improve multimodal connectivity between Gruene Rd and Common St
- Support the development in the area
- Provide traffic relief to Hanz Dr and Hunter Rd

## *Project scope*

- New travel lanes, bike lanes, and sidewalks
- Connect the existing sections of Waterway Ln between Common St and Gruene Rd
- Intersection improvements at Common St and Gruene Rd

# 14. WATERWAY LN (GRUENE RD - COMMON ST)



# 14. WATERWAY LN (GRUENE RD - COMMON ST)



## *Risks and constraints*

Utilities, local and regional drainage

## *Projects costs*

**\$3.6M Total** | \$541K Design | \$2.7M Construction | \$400K Utility, Additional

## *Project and preliminary design considerations*

- Address adjacent property owner concerns
- Coordinate with possible Common St improvement project
- Phase pedestrian and bicycle improvements first

# 15. HILL COUNTRY DR (SH 46 - CITY LIMIT)



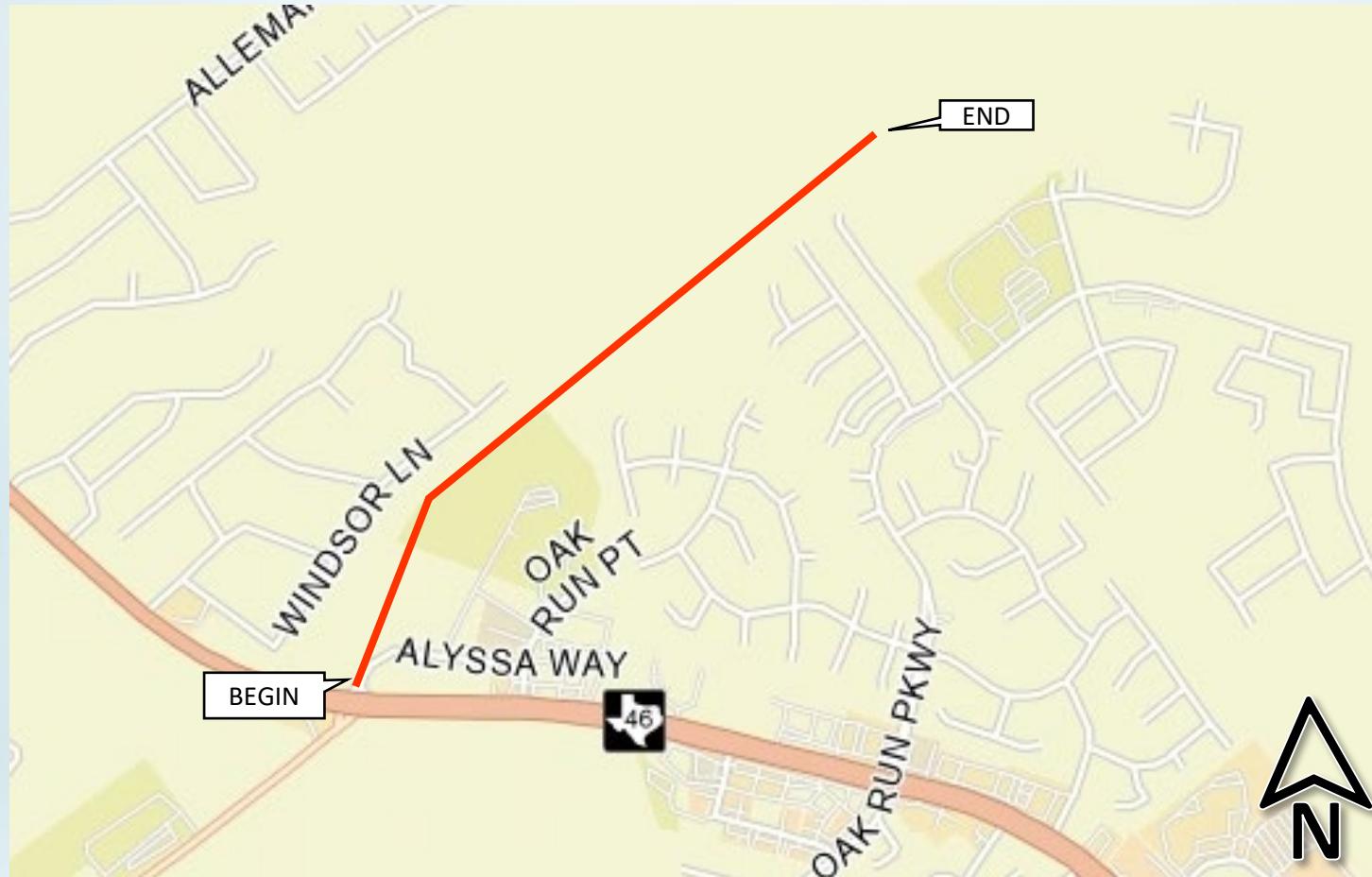
## *Project objectives*

- Provide connectivity between SH 46 and the Veramendi Development
- Provide traffic relief on Oak Run Parkway
- Acquire right-of-way in accordance with the Veramendi development

## *Project scope*

- New four-lane road between SH 46 and Veramendi
- Reconstruct the intersection with SH 46 and Alyssa Way
- Pedestrian accommodations and drainage infrastructure

# 15. HILL COUNTRY DR (SH 46 - CITY LIMIT)



# 15. HILL COUNTRY DR (SH 46 - CITY LIMIT)



## *Risks and constraints*

Right of way, floodplain, city/county jurisdiction, environmental

## *Estimated projects costs*

**\$14.5M Total** | \$2M Design | \$10M Construction | \$2.5M ROW, Utility, Add

External funding: Veramendi responsible for two-lanes at traffic volume trigger

## *Project and preliminary design considerations*

- Coordinate with Veramendi on anticipated trigger
- Acquire right of way
- Coordinate with Comal County

# CITYWIDE STREET IMPROVEMENTS

## *Project objectives*

- Rehabilitate existing city street pavement, curbs, and sidewalks
- Enhance safety and improve pavement markings and signing

## *Project scope*

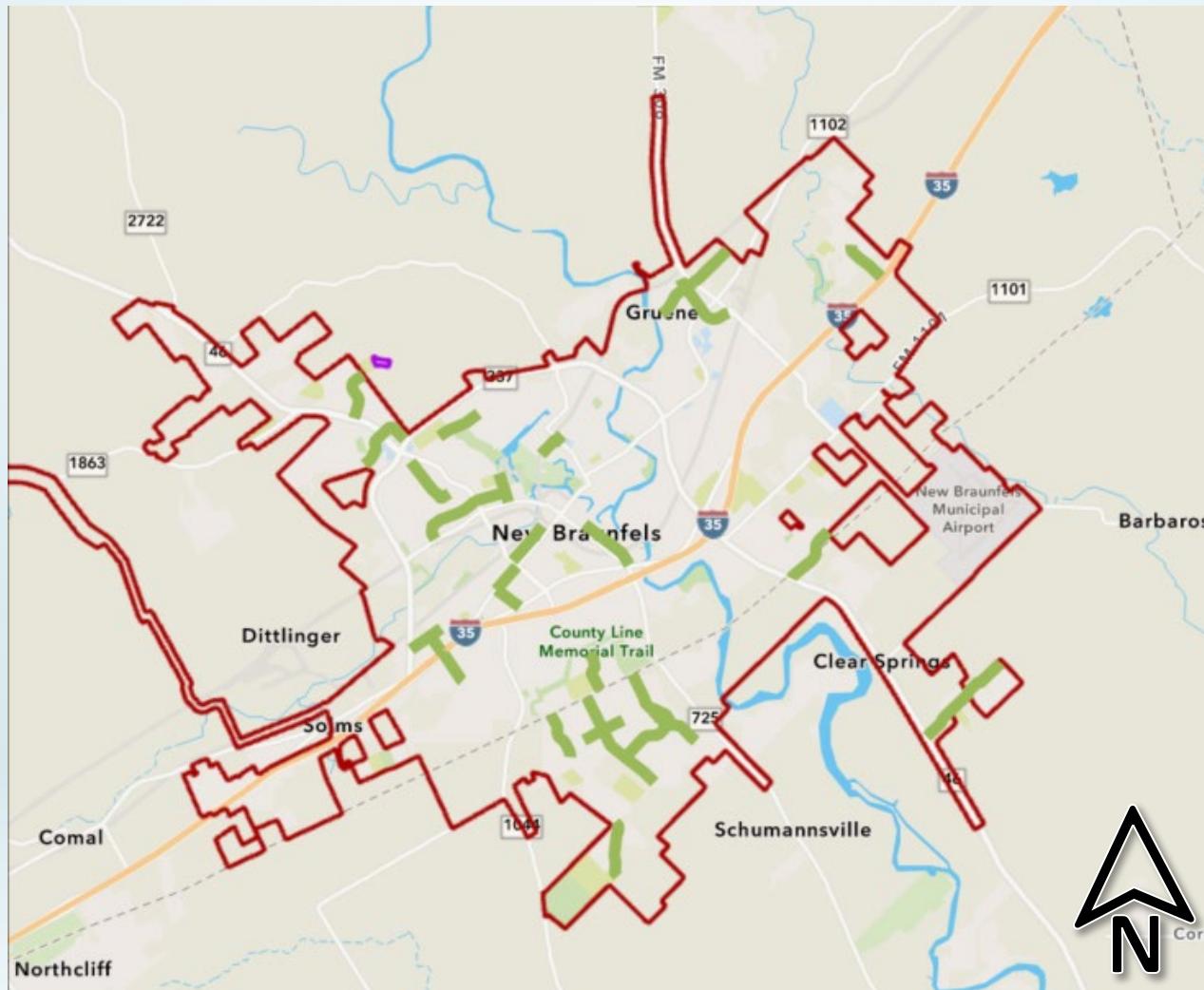
- Rehabilitate existing city street pavement based on the City's Pavement Management Program
- Coordinate with the City's annual street maintenance plan
- Repair or address curb and sidewalk gaps

# CITYWIDE STREET IMPROVEMENTS

## *Potential project locations*

- Independence Dr.
- Jerad St.
- Legend Pond
- Lonesome Quail
- N. Union Ave.
- Oak Run Parkway
- Ohio Ave.
- Old FM 306
- Pahmeyer Rd.
- Palace Dr.
- S. Live Oak Ave.
- S. Walnut Ave.
- N. Water Ln.
- S. Water Ln.
- Stone Gate Dr.
- W. Mill St.
- W. San Antonio St.
- W. Torey St.
- Wood Rd.

# CITYWIDE STREET IMPROVEMENTS



# CITYWIDE STREET IMPROVEMENTS

## *Risks and constraints*

Utilities, drainage, residential impacts

## *Estimated project costs*

**\$25M Total** | \$2.5M Design | \$21.6M Construction | \$900K Additional Costs

## *Project and preliminary design considerations*

- Coordinate with annual street maintenance plan
- Determine sidewalk gap needs
- 2013 Bond - \$10M, 2019 Bond - \$15M
- *New street pavement assessment scheduled this summer*

# TRANSPORTATION

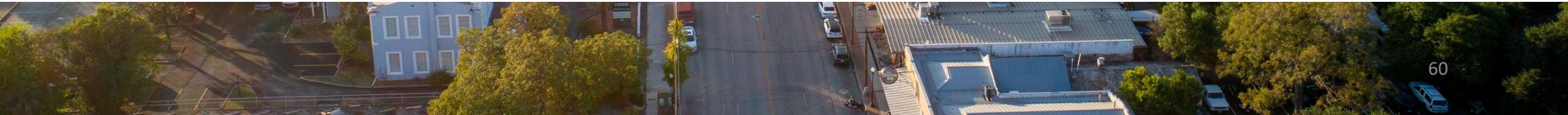
*Discussion*

*Other project considerations?*



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# DRAINAGE & WATERSHED



# DRAINAGE & WATERSHED

Planning, design, construction, or maintenance of drainage systems and related infrastructure that convey stormwater from neighborhoods to major drainage channels or rivers.

## *Goals and objectives*

- Limit the depth and spread of stormwater in drainage areas and roadways
- Meet regulatory requirements
- Identify and correct hazards to reduce future flood damage
- Improve water quality and reduce the demands on engineered stormwater systems

## *Community input*

- New Braunfels Stormwater Management Strategy
- Envision New Braunfels
- 2010 Flood Event and studies
- Community requests

# DRAINAGE AREA MASTER PLAN

## *Multiyear workplan to update 2003 Drainage Area Master Plan*

- Update floodplain management and regulations ↙
- Assess public and private drainage facilities
- Conduct and update hydraulic and hydrologic studies
- Develop drainage and flood mitigation projects

## *Texas Water Development Board Funding*

- \$1.1M Award to study watersheds, remap floodplains, education campaign on floodplains, and develop regional flood control projects
- Three-year effort to start in Summer 2022

## *Project list anticipated in 2025*

# DRAINAGE & WATERSHED – PRIORITY FACTORS

*Regulatory compliance*

*Project incorporation opportunity*

*Quality of life*

*Sustainability*

*City-adopted plans*

*External funding/partnerships*

# DRAINAGE AND WATERSHED – PRIORITY RANKING

\*Indicates previous or ongoing project work



# 1. LANDA LAKE DAM AND SPILLWAY IMPROVEMENTS



## *Project objectives*

- Improve the structural integrity of the Landa Lake dam
- Address spillway erosion
- Meet TCEQ Dam Safety Program requirements

## *Project scope*

- Repair dam with a secant cutoff wall
- Stabilize spillway

# 1. LANDA LAKE DAM AND SPILLWAY IMPROVEMENTS



# 1. LANDA LAKE DAM AND SPILLWAY IMPROVEMENTS



## *Risks and constraints*

Work in Landa Lake, regulatory permitting

## *Projects costs*

**\$3.1M Total** | \$376K Design | \$2.6M Construction | \$105K Additional Costs

## *Project and preliminary design considerations*

- Coordinate with Landa Park Master Plan and Spring Fed Pool Improvements
- Further evaluate design and construction options
- Determine regulatory permitting requirements

## 2. BLIEDERS-GERMAN CREEK CHANNEL



### *Project objectives*

- Reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River
- Mitigate flooding in the Landa Park area

### *Project scope*

- Installation of culverts to convey flows from Blieders Creek and Comal River headwaters to German Creek then to the Guadalupe River
- Channel grading at culvert entrance and exit, River Road trenching and reconstruction, and boring under the railroad

## 2. BLIEDERS-GERMAN CREEK CHANNEL



## 2. BLIEDERS-GERMAN CREEK CHANNEL



### *Risks and constraints*

Updated hydrology, right of way/easements, railroad, regulatory permitting

### *Estimated project costs*

**\$13M Total** | \$2.7M Design | \$9.5M Construction | \$767K ROW, Additional Costs

External funding: Veramendi Development Agreement Cost Participation

### *Project and preliminary design considerations*

- Project placed “on hold” pending Veramendi Regional Dam completion
- Update hydrology, watershed, and impact
- Reevaluate downstream drainage and property impacts

# 3. FAUST ST/NACOGDOCHES AVE IMPROVEMENT



## *Project objectives*

- Mitigate flooding in the Faust St and Nacogdoches Ave area
- Reduce road closures at the Seguin Ave railroad underpass during heavy rains

## *Project scope*

- Improve drainage systems in Faust Street, Nacogdoches Avenue, and connecting streets
- Improve drainage systems located in Comal Avenue
- Improve outfall to the Guadalupe River and control riverbank erosion
- Install curb, gutter, and inlets to improve conveyance of flows

### 3. FAUST ST/NACOGDOCHES AVE IMPROVEMENT



# 3. FAUST ST/NACOGDOCHES AVE IMPROVEMENT



## *Risks and constraints*

Right of way, utilities, existing drainage system condition, railroad, TxDOT

## *Estimated project costs*

**\$13.9M Total** | \$2.9M Design | \$10.4M Construction | \$613k ROW, Additional

## *Project and preliminary design considerations*

- Update hydrology and watershed
- Coordinate with S Castell Ave Corridor Study (upstream watersheds)
- Coordinate with UPRR and TxDOT

# 4. WOOD RD-LANDA ST REGIONAL DETENTION STUDY



## *Project objectives*

- Mitigate flooding in the Wood Road and Inspiration Drive watershed areas
- Manage storm flows from the large watershed
- Continuation of the 2013 Bond Program Study

## *Project scope*

- Further develop design-based alternative for a regional detention facility
- Perform recommended geotechnical investigation and subsurface utility engineering
- Identify required right of way/easements for utility relocations and pond footprint

## 4. WOOD RD-LANDA ST REGIONAL DETENTION STUDY



## 4. WOOD RD-LANDA ST REGIONAL DETENTION STUDY



### *Risks and constraints*

Right of way/easements, utilities

### *Projects costs*

**\$1M Total** – Study

### *Project and preliminary design considerations*

- Update hydrology and watershed
- Evaluate benefit-cost of potential improvement
- Consider delaying study with the TWDB study and project development

# DRAINAGE & WATERSHED

*Discussion*

*Other project considerations?*

# PROPOSED MEETING SCHEDULE

**Tuesday, January 18, 2022**

*Kick-Off*

6:30pm, Civic Center

**Monday, January 31, 2022**

*Community Needs, Survey, & Project Overview*

6:00pm, Civic Center

**Monday, February 7, 2022**

*Library, Transportation, & Drainage/Watershed*

6:00pm, Civic Center

**Monday, February 21, 2022**

*Parks, Public Safety, & Economic Dev*

6:00pm, Courtyard by Marriott , 750 IH 35 North

**Saturday, February 26, 2022**

*Projects Tour*

10:00am, City Hall

**Monday, March 7, 2022**

*Public Input & Project Discussion*

6:00pm, Civic Center

**Monday, March 21, 2022**

*Project Priority*

6:00pm, Civic Center

**Monday, April 4, 2022**

*Recommendations for Prelim Design*

6:00pm, TBD



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**QUESTIONS?**

