

Riddell Tract

Multifamily and Public Park/Recreational Trail

# Proposed Development Standards

## 3. Area Infrastructure

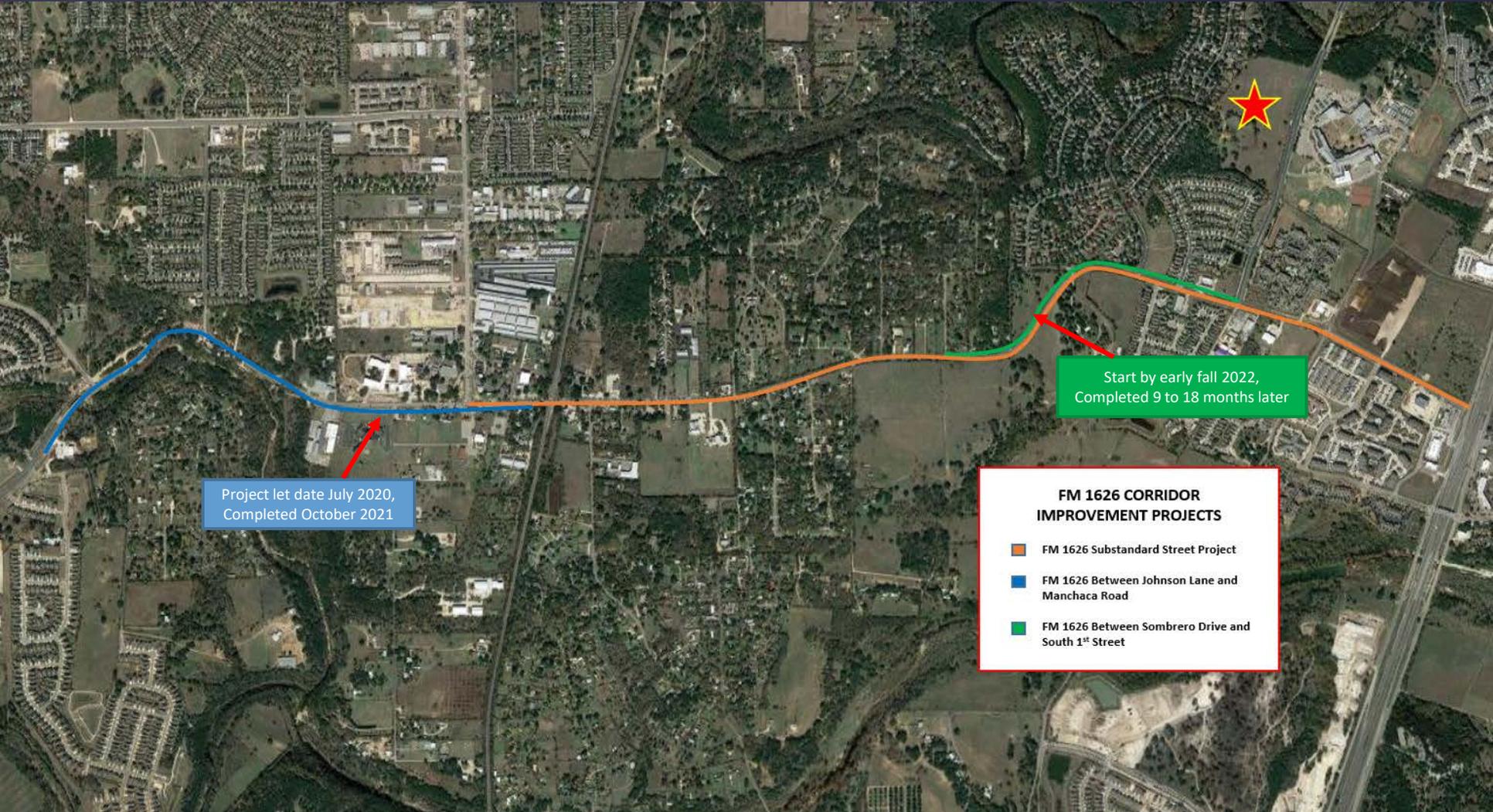
- a. Construct signalized intersection of Wayne Riddell Loop/S. 1<sup>st</sup> Street/Akins High School Access.
- b. Extend/dedicate Wayne Riddell Loop.
  - a. TIA: 3 lanes at S. 1<sup>st</sup> Street, narrowing to 2 lanes at existing Wayne Riddell Loop.
- c. Install traffic calming devices along existing Wayne Riddell Loop, voluntary by developer (per Knolls HOA request).
- d. Provide Safe Route to School (Akins High).
  - Extend sidewalks from S. 1<sup>st</sup> Street to connect to existing Wayne Riddell Loop (per Knolls HOA request).
  - Extend sidewalks along west side of S. 1<sup>st</sup> Street (including voluntary offsite sidewalks by developer to connect to existing sidewalk at Meadows at Double Creek, per Meadows HOA request).
  - Per ATD - convert buffered bicycle lanes to protected bicycle lanes for Akins High School with delineated posts on S. 1<sup>st</sup> Street frontage.
- e. Implement Transportation Demand Management.

# Conceptual Plan - Multifamily, Parkland, and Trail Wayne Riddell Loop Extension (TIA: 3 lanes, narrowing to 2 lanes)





# FM 1626 Corridor Improvement Projects



Project let date July 2020,  
Completed October 2021

Start by early fall 2022,  
Completed 9 to 18 months later

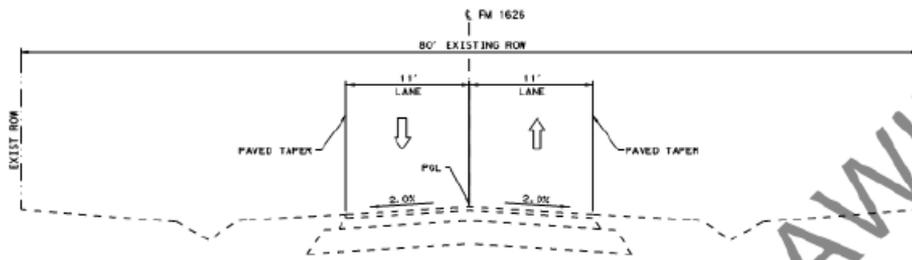
**FM 1626 CORRIDOR  
IMPROVEMENT PROJECTS**

- FM 1626 Standard Street Project
- FM 1626 Between Johnson Lane and Manchaca Road
- FM 1626 Between Sombrero Drive and South 1<sup>st</sup> Street

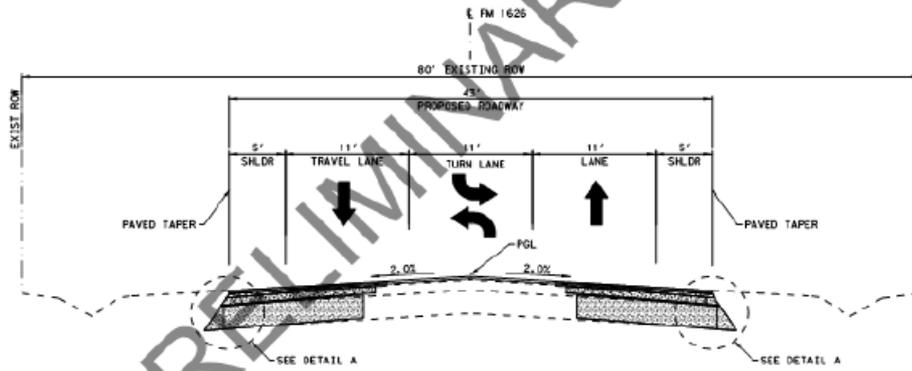


Location Data

*Latitude (line):	*Longitude (line):	Mile Point:	Reference Marker:
Begin: 30.1436701	-97.8048475	8.721	522 +0.507
End: 30.1419634	-97.8155345	9.456	522 +1.242



EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION

Project Summary

Extents: South 1st Street to Sombrero Drive

Length: 0.75 miles

Responsible Party: TxDOT

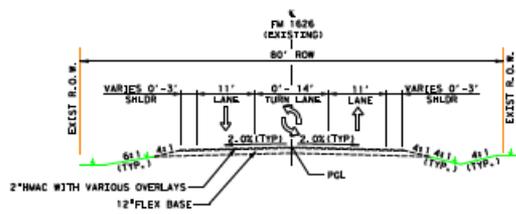
Project: Widens from two lanes to three lanes with a 5-foot shoulder on both sides.

Timeline: Construction Planned for sometime in 2022

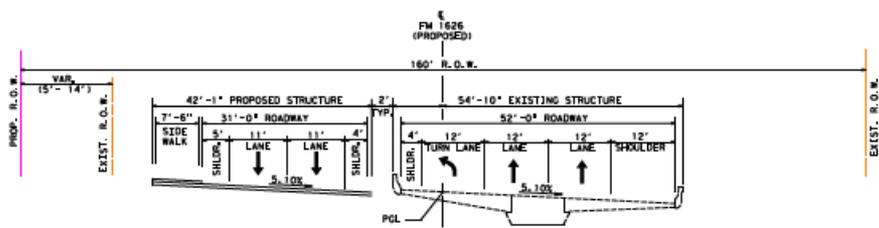
Cost: \$1,163,674

PRELIMINARY DRAWING

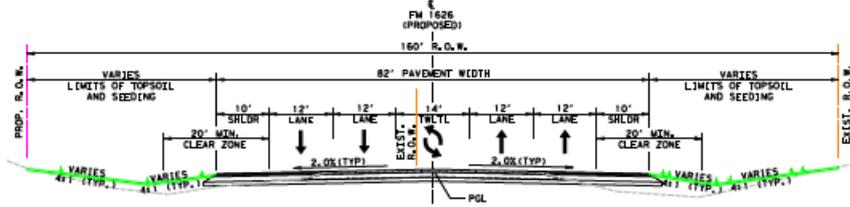




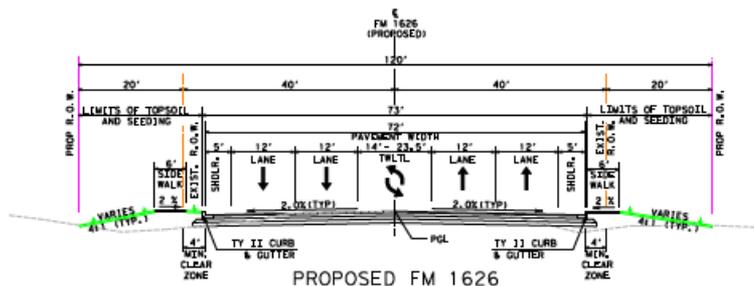
EXISTING FM 1626  
BRODIE LANE TO FM 2304 (MANCHACA RD)



PROPOSED FM 1626  
BEAR CREEK BRIDGE



PROPOSED FM 1626  
PROPOSED TRANSITION AREA  
JOHNSON LANE TO BRODIE LANE



PROPOSED FM 1626  
BRODIE LANE TO FM 2304 (MANCHACA RD)

**Project Summary**

Extents: Brodie Lane to Manchaca Road

Length: 1.33 miles

Responsible Party: TxDOT

Project: Widens from three lanes with no shoulder, curb and gutter, or sidewalks to five lanes with shoulder, curb and gutter, and sidewalks

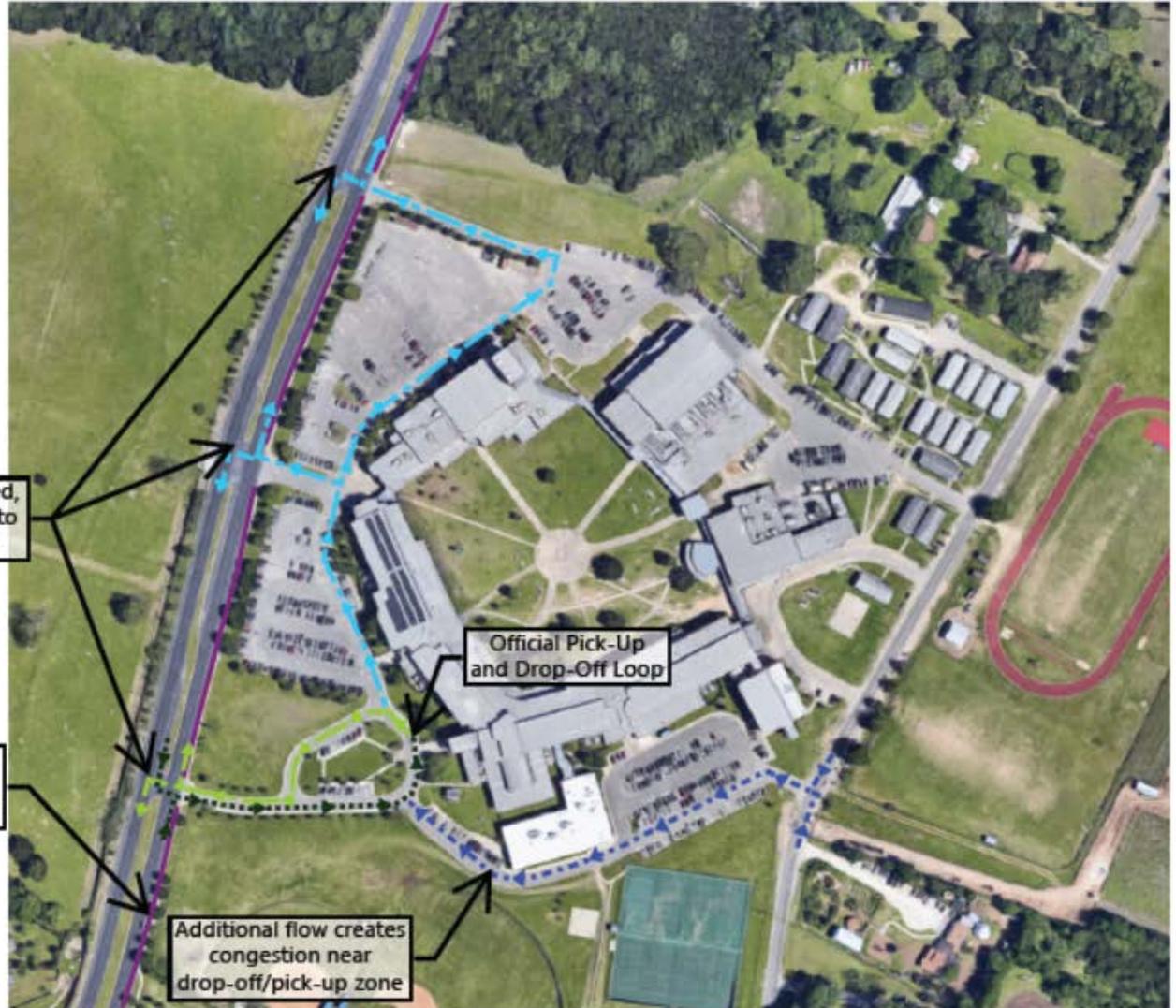
Timeline: Begin construction in July 2020 and be completed by fall of 2021

Cost: \$11,352,514

# Existing Conditions

## Key:

- = Drop-Off/Pick-Up Loop (In)
- — — = Drop-Off/Pick-Up Loop (Out)
- — — = Short-Cut to Drop-Off/Pick-Up Loop
- — — = Short-Cut from Drop-Off/Pick-Up Loop
- — — = Queue for Pick-Up



Left turns out of the driveways are allowed, but observed mostly right turns out due to high volume of South 1st Street traffic

Vehicles park in buffered bike lane on South 1st Street due to lack of capacity in pick-up loop and traffic volumes on South 1st Street

Additional flow creates congestion near drop-off/pick-up zone

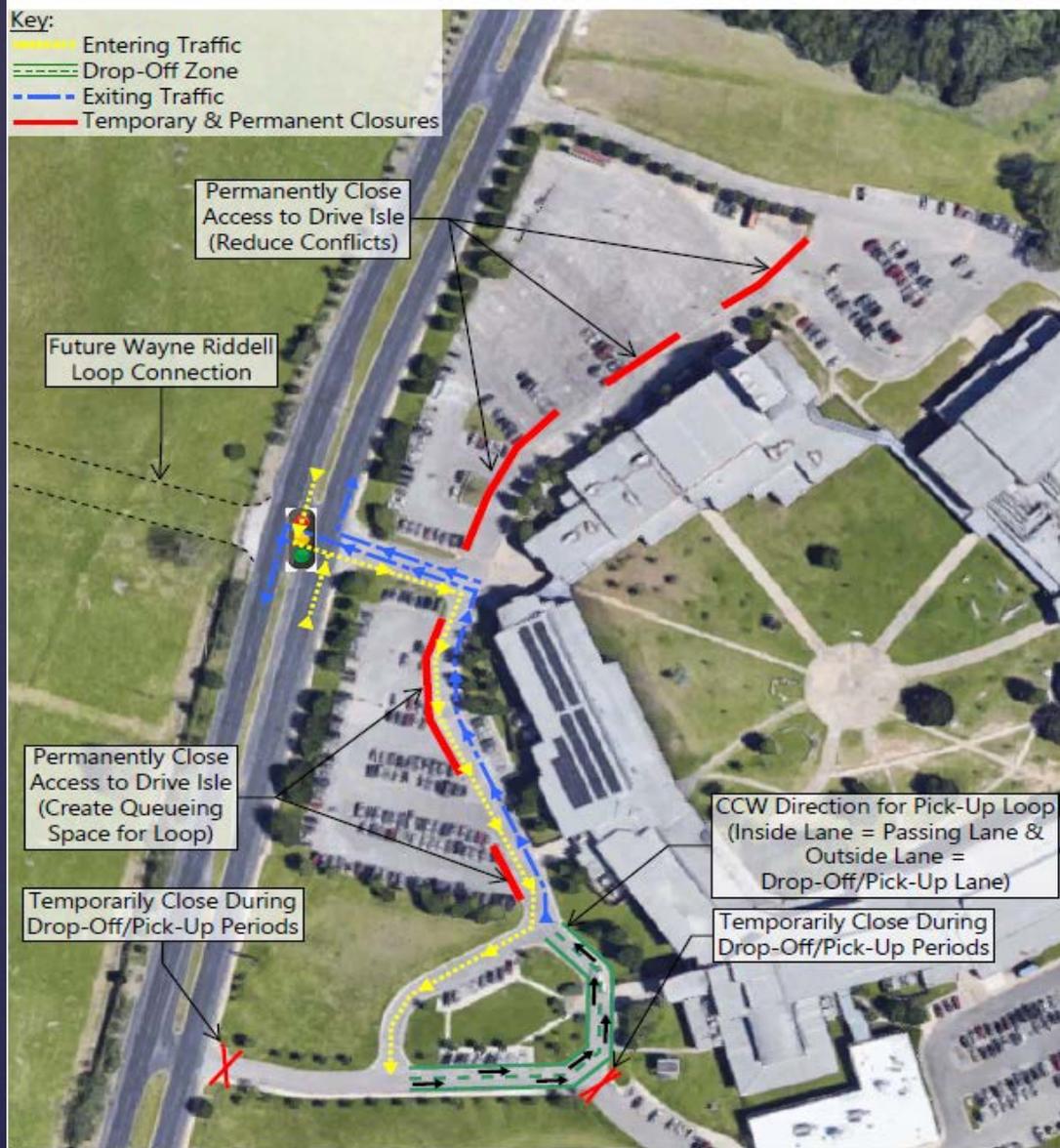
Official Pick-Up and Drop-Off Loop



Dangerous Condition: Vehicle stops in South 1<sup>st</sup> Street travel lane for pick-up

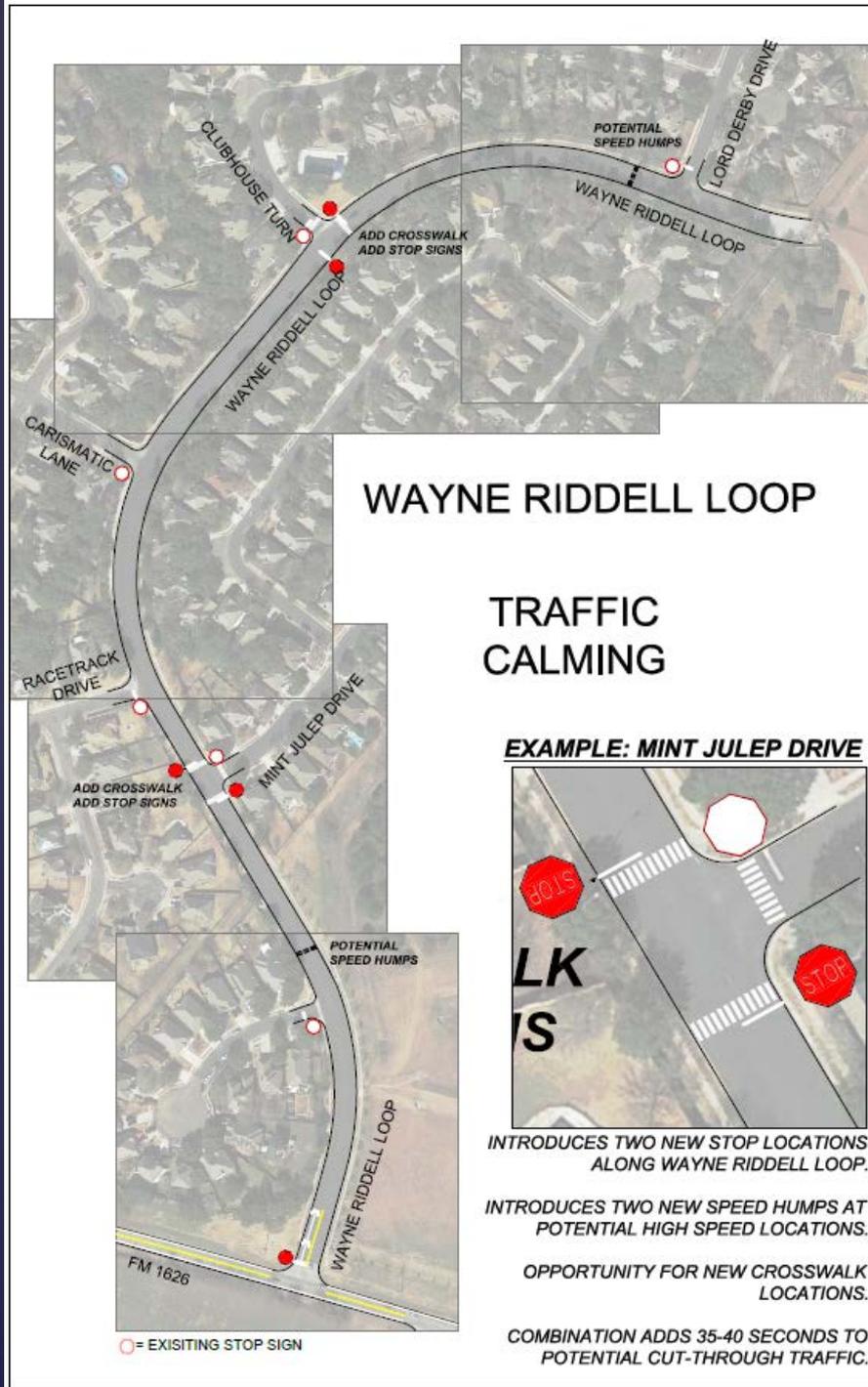


# Akins High Proposed Drop-Off/Pick-Up Circulation



Drop-Off/Pick-Up Period Circulation  
 Akins High School, Austin, Texas  
 Oden Hughes South 1st Street Apartments

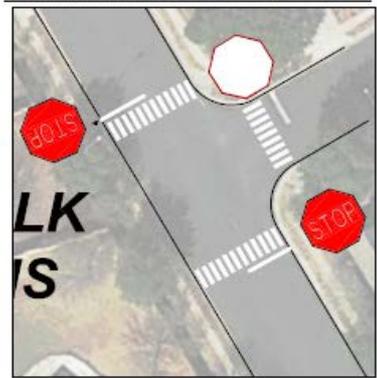




# WAYNE RIDDELL LOOP

## TRAFFIC CALMING

### EXAMPLE: MINT JULEP DRIVE



INTRODUCES TWO NEW STOP LOCATIONS ALONG WAYNE RIDDELL LOOP.

INTRODUCES TWO NEW SPEED HUMPS AT POTENTIAL HIGH SPEED LOCATIONS.

OPPORTUNITY FOR NEW CROSSWALK LOCATIONS.

COMBINATION ADDS 35-40 SECONDS TO POTENTIAL CUT-THROUGH TRAFFIC.

○ = EXISTING STOP SIGN

# Riddell Loop Extension ASMP

## Wayne Riddell Loop Extension as adopted in the ASMP



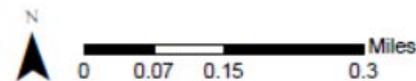
### ASMP Street Table

Name	WAYNE RIDDELL LOOP
Segment Limits	Lord Derby Dr to S. 1st St
Type	Local Mobility
Street Level	2
Priority Network	-
Improvement	New Roadway
Existing Cross Section	DNE
Existing Number of Lanes	0
Future Cross Section	2U
Future Number of Lanes	2
Roadway Description	2 Travel Lanes
Existing Bicycle Facility	-
Future Bicycle Facility	-
Bicycle Description	All Ages and Abilities Bicycle Facilities
Pedestrian Description	-
Project Description	The Improvements Include Constructing A New Roadway with All Ages and Abilities Bicycle Facilities and Sidewalks.
Mean ROW	0
Median ROW	0
Minimum ROW	0
Maximum ROW	0
Required ROW	78
ROW Remarks	Future Road. ROW Assumed to Be Acquired for Ideal Cross Section.
District	5
SORT_ORDER	18134

### Legend

- Wayne Riddell Loop (Existing Road)
- Wayne Riddell Loop (Connection - New Road)
- TCAD Parcels
- Existing Right-of-Way (ROW)

Attachment B



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