

# SH 6 Widening Landscaping Options

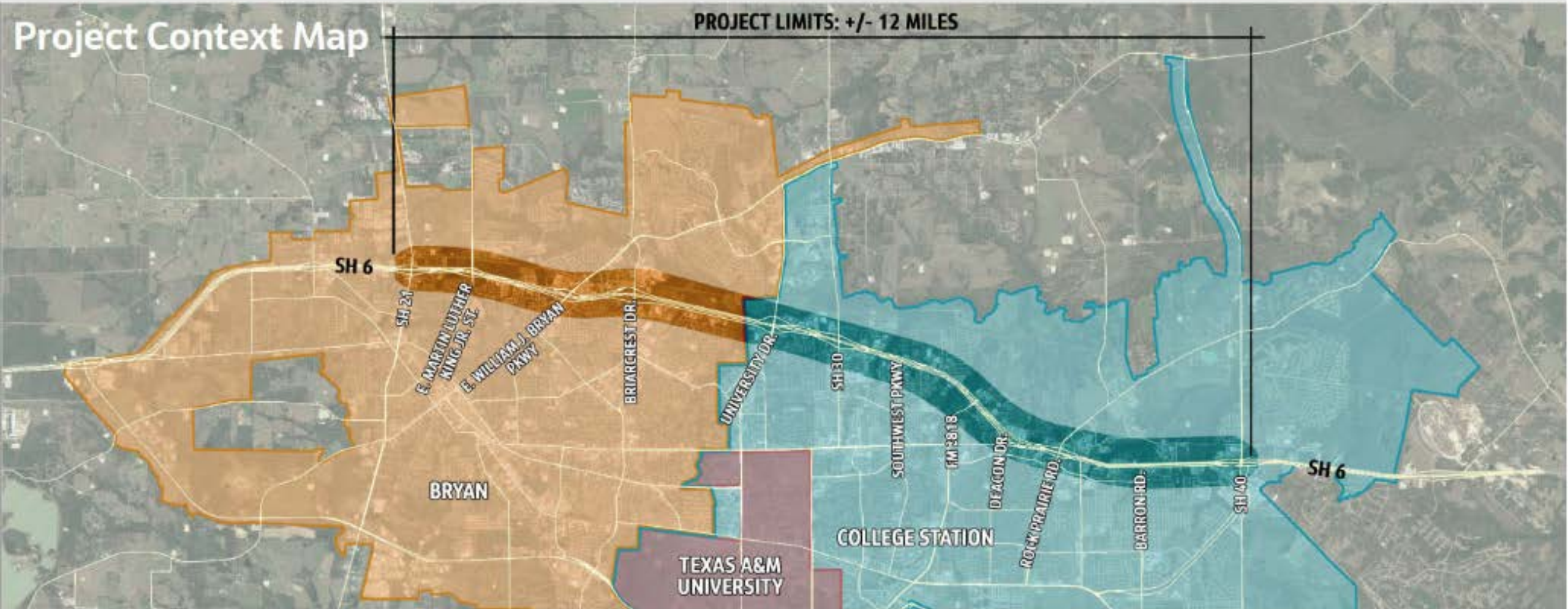
November 20, 2023

Workshop Item 7.1

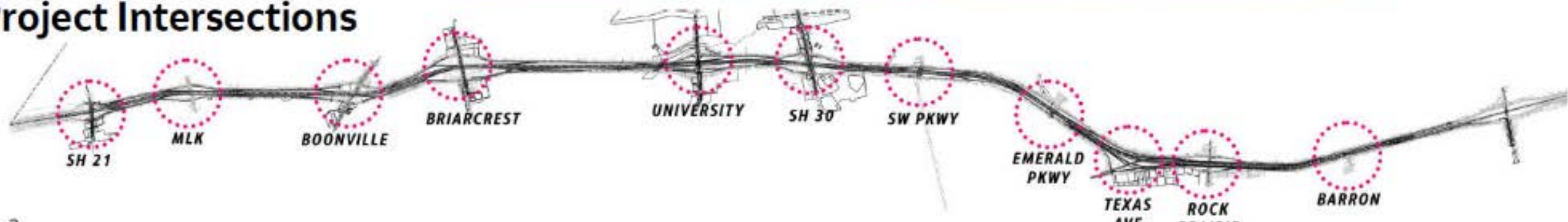


# Project Context Map

PROJECT LIMITS: +/- 12 MILES



# Project Intersections



## Proposed Bridge Aesthetic



- Bridge columns and MSE Walls inspired by bridge at Rock Prairie Road on SH 6
- Columns protected by CTB or outside of clear zone.
- Texas Ave. intersection incorporates existing columns but matches proposed.



Column style at Texas Ave. intersection

REMOVE STAR MEDALLION

UPDATED PAINT

ADDITION OF STONE VENEER TO COLUMN BASE

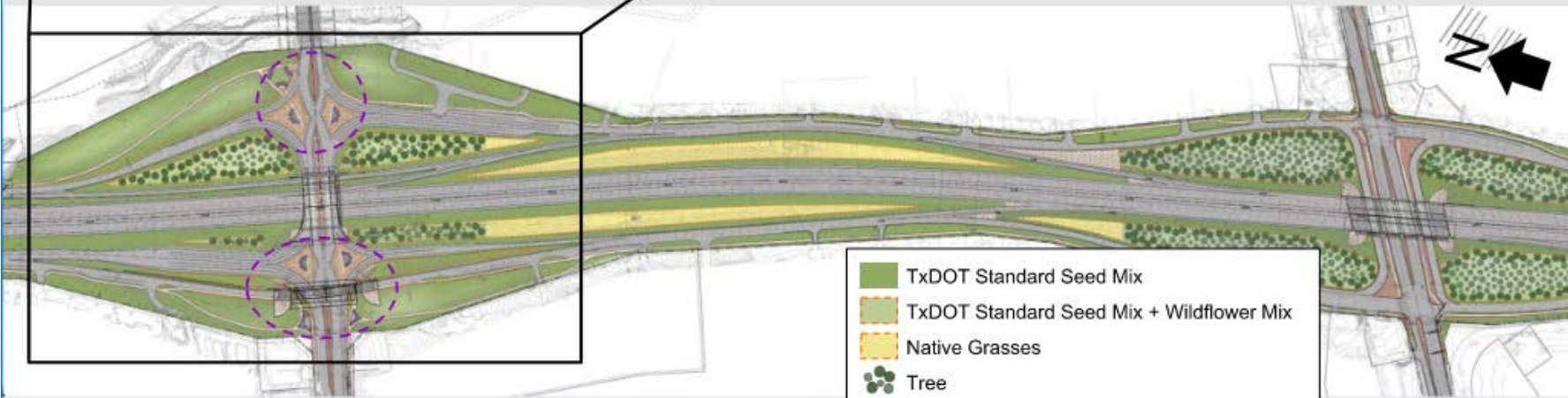


MSE retaining wall with ashlar pattern to match that at Barron Rd.

## Aesthetic Planting Concept



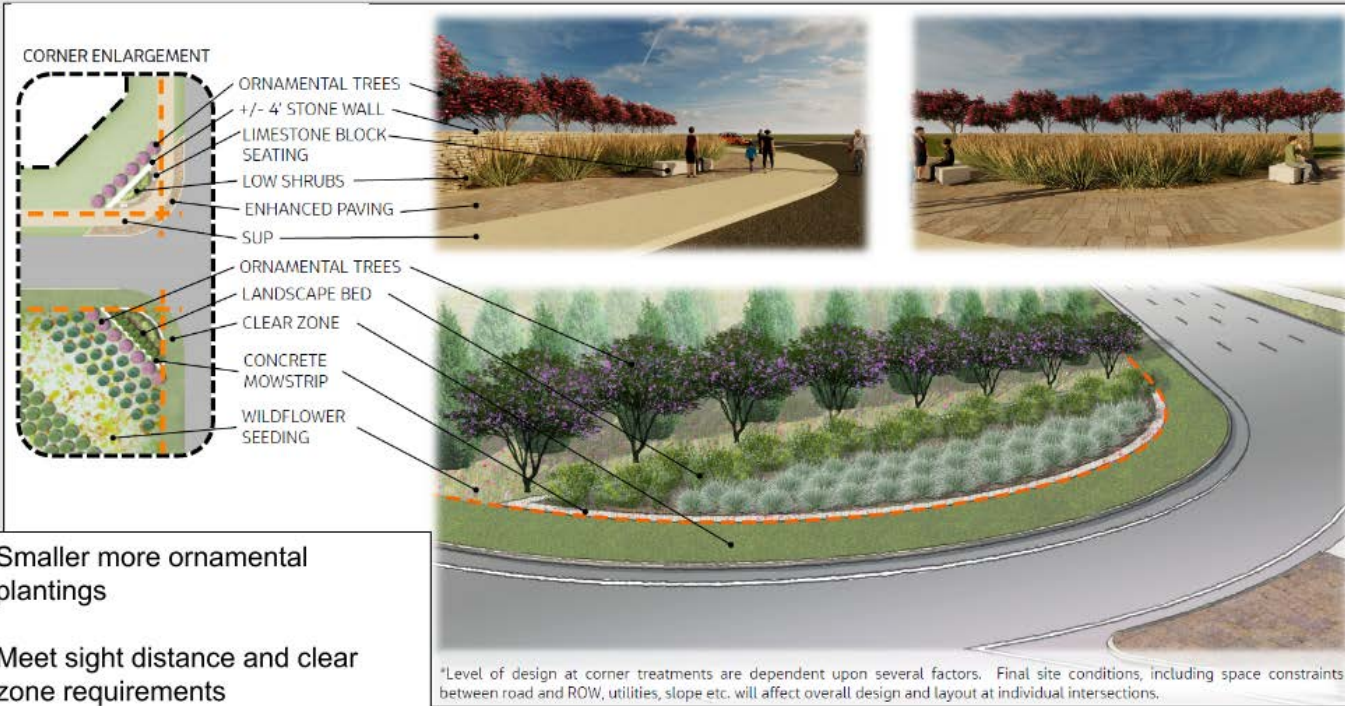
Intersection at University



- TxDOT Standard Seed Mix
- TxDOT Standard Seed Mix + Wildflower Mix
- Native Grasses
- Tree
- Intersection Plantings
- Clear Zone

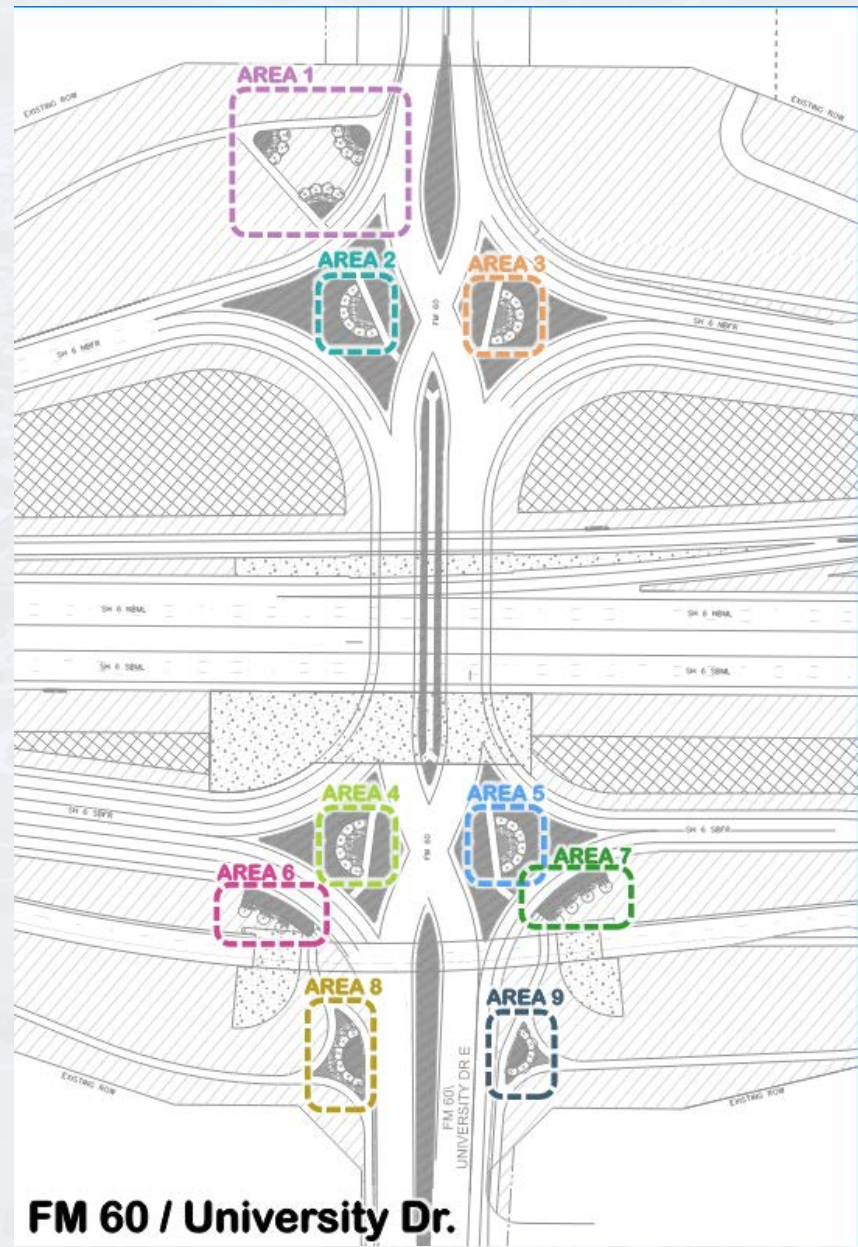
- There are **4 major types of plantings** proposed for this corridor
  - **Intersection Plantings**
  - **Tree Plantings**
  - **Wildflower Plantings**
  - **Native Grass Plantings**
- Larger aesthetic plantings are proposed for **intersections only** and are outside of clear zones
- Wildflowers are limited to interior ROW and by clear zone. Wildflowers to be placed after standard seed mix is placed.

## Proposed Intersection Plantings



- Smaller more ornamental plantings
- Meet sight distance and clear zone requirements
- Contained by buffer mow strip
- Only proposed if Cities plan to maintain (via an executed LMA).

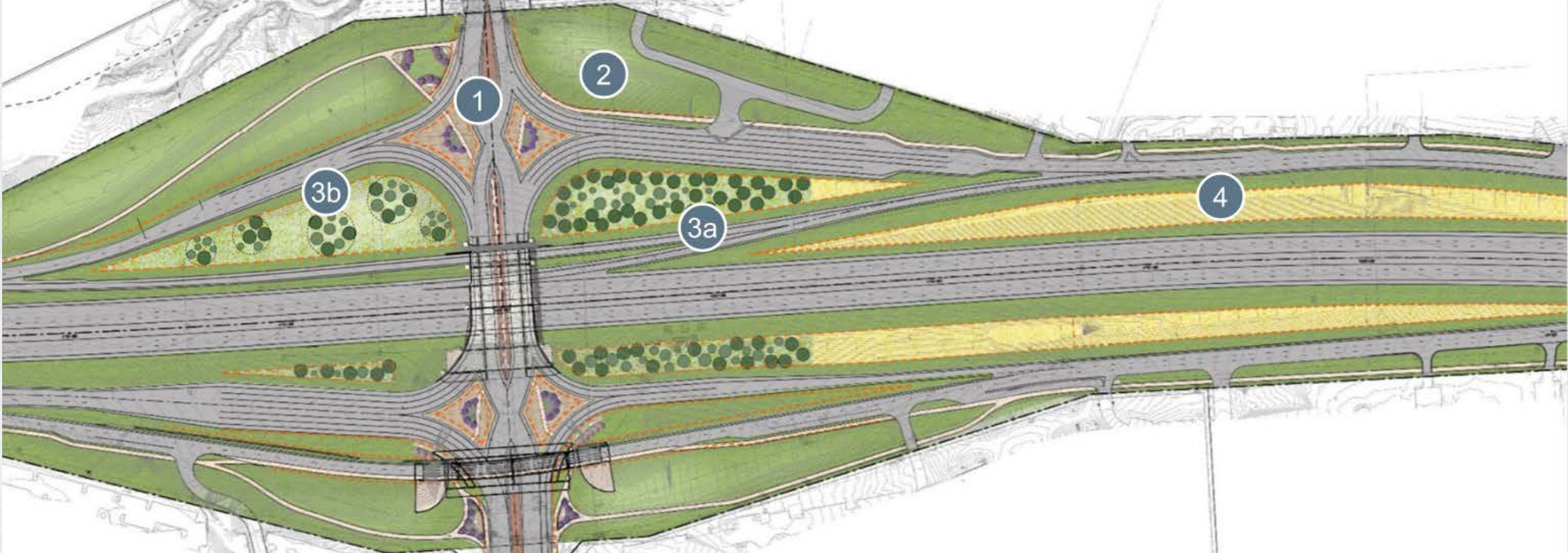
\*Level of design at corner treatments are dependent upon several factors. Final site conditions, including space constraints between road and ROW, utilities, slope etc. will affect overall design and layout at individual intersections.



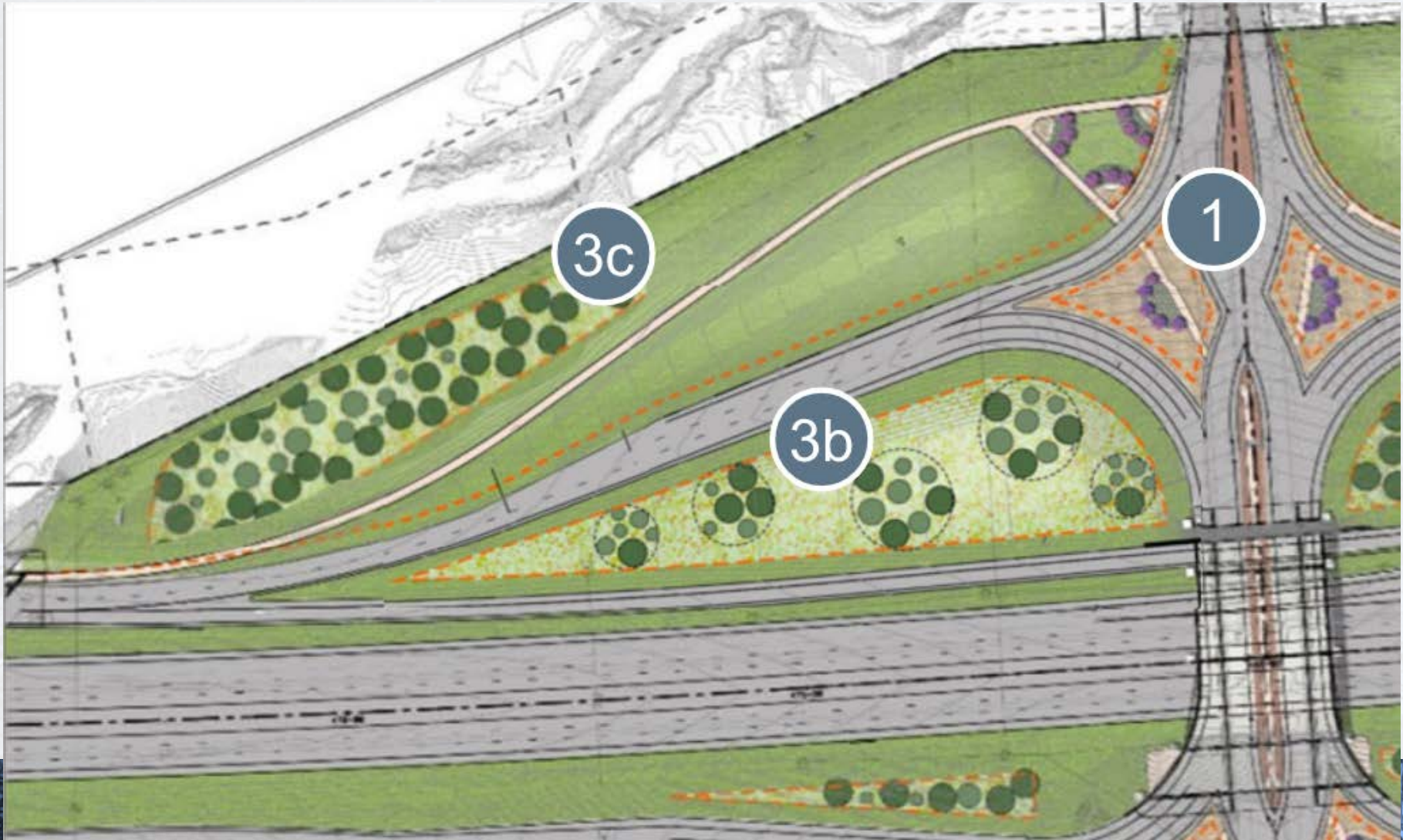
**FM 60 / University Dr.**



# Options 3a & 3b















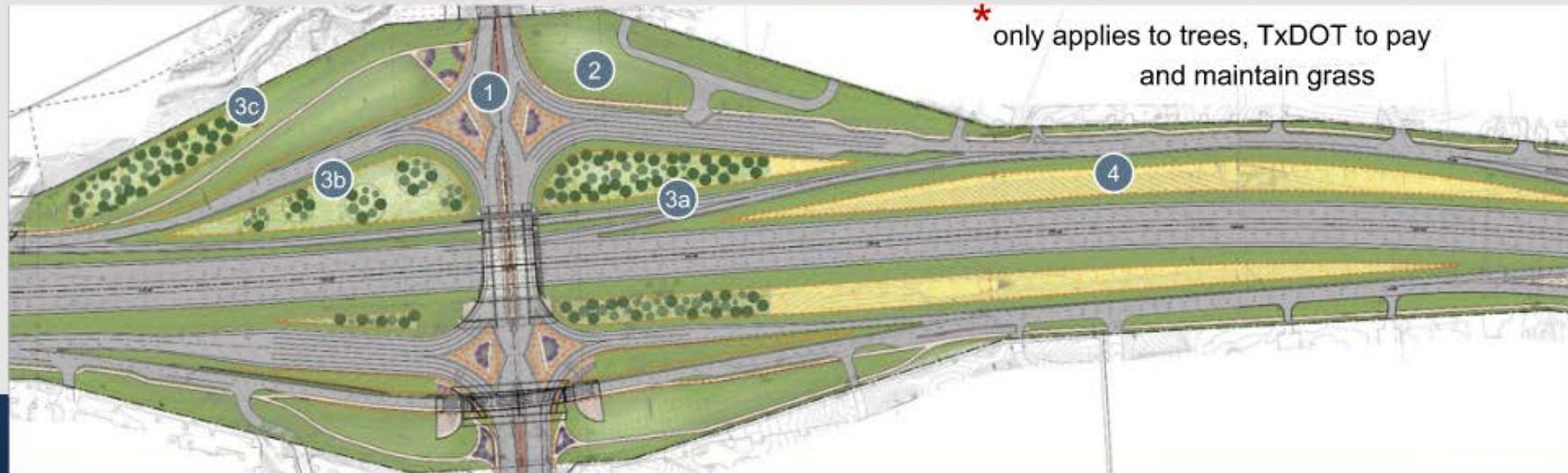
# Option 3c



# Proposed Landscape Summary of Work



Area	Aesthetic Treatment	Installation Performed by	Installation Cost paid by	Maintenance Cost paid by	Maintenance Frequency	AFA w/ City Required?	LMA w/ City Required?
1	Intersection Plantings	TxDOT's Contractor			1 effort/quarter	Yes	Yes
2	TxDOT Standard Grass (Edges)	TxDOT's Contractor			3 mow/year	No	No
3a	Trees, TxDOT Standard Grass, & Wildflowers	TxDOT's Contractor			1 mow/year	No	Yes
3b	Trees, TxDOT Standard Grass, & Wildflowers (with Fewer Trees)	TxDOT's Contractor			1 mow/year	No	No
3c	Trees & TxDOT Standard Grass	Installed by City *	 *	 *	3 mow/year	Yes	Yes
4	Native Grass	TxDOT's Contractor			1 mow/year	No	No





# City Costs – Intersection Plantings

	Installation Cost	Additional Maintenance Cost
FM 60 (University Drive)	\$390,000	\$50,000 - \$75,000 annually
Emerald Parkway/FM 2818	\$220,000	\$10,000 - \$15,000 annually
Rock Prairie Road*	\$32,000	\$10,000 - \$15,000 annually
Barron Road	\$24,000	\$10,000 - \$15,000 annually

\*Not recommended



# City Costs – Tree Plantings

	Installation Cost	Additional Maintenance Costs – Mowing	Additional Maintenance Costs - Irrigation
Option 3a – approx. 2500 trees	\$0	<u>Contractor</u> - \$200,000 - \$250,000 annually <u>Or City</u> - Additional Crew (2 FTEs + 2 mowers + vehicle)	Additional Licensed Irrigation Specialist (1 FTE + Vehicle)
Option 3b – approx. 950 trees	\$0	\$0* *continue finish mowing	\$0
Additional Trees: 3c – additional 400 trees, 28 locations	\$520,000	<ul style="list-style-type: none"> <li>Depends on locations</li> </ul> <u>Contractor</u> - \$100,000- \$200,000 annually <u>Or City</u> – Add on to current crew (1 FTE + mower)	<ul style="list-style-type: none"> <li>Depends on locations</li> </ul> Additional budget for irrigation supplies/minor equipment.