

A decorative header area consisting of a horizontal bar with several colored segments: dark blue with a grid pattern, light blue with a grid pattern, dark navy, teal, light green, white, and medium blue. A vertical red line is positioned to the left of the text. A dark blue square is located to the right of the text.

Waller County

Mobility Planning and Project Prioritization Study

Commissioner Workshop Meeting

July 19, 2023



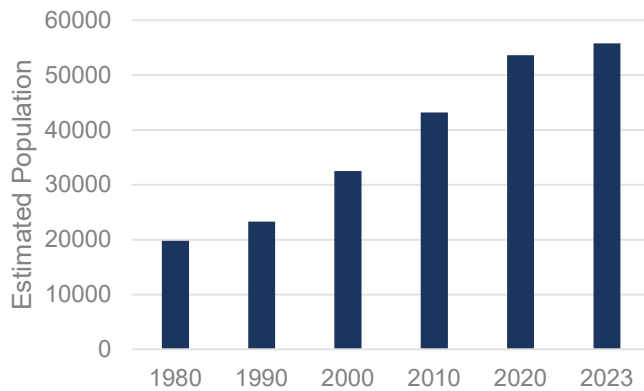
AGENDA

- INTRODUCTION
- GROWTH IN WALLER COUNTY
- MOBILITY BOND PROJECTS
- PROJECTS AND COST BY PRECINCT

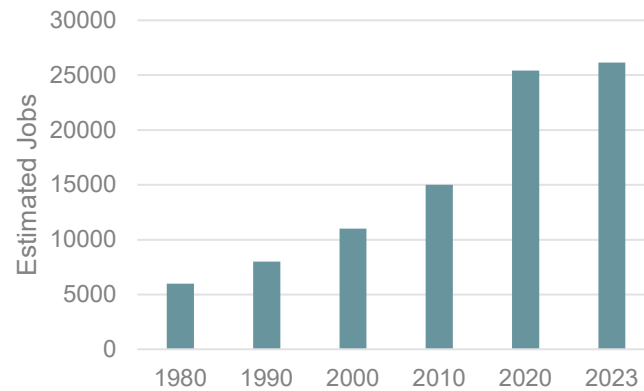
GROWTH IN WALLER COUNTY

- **55,770** current population
- **24%** population increase since 2010
- CAGR of 2.41%
- 26,154 jobs in Waller County
- **43%** job increase since 2010

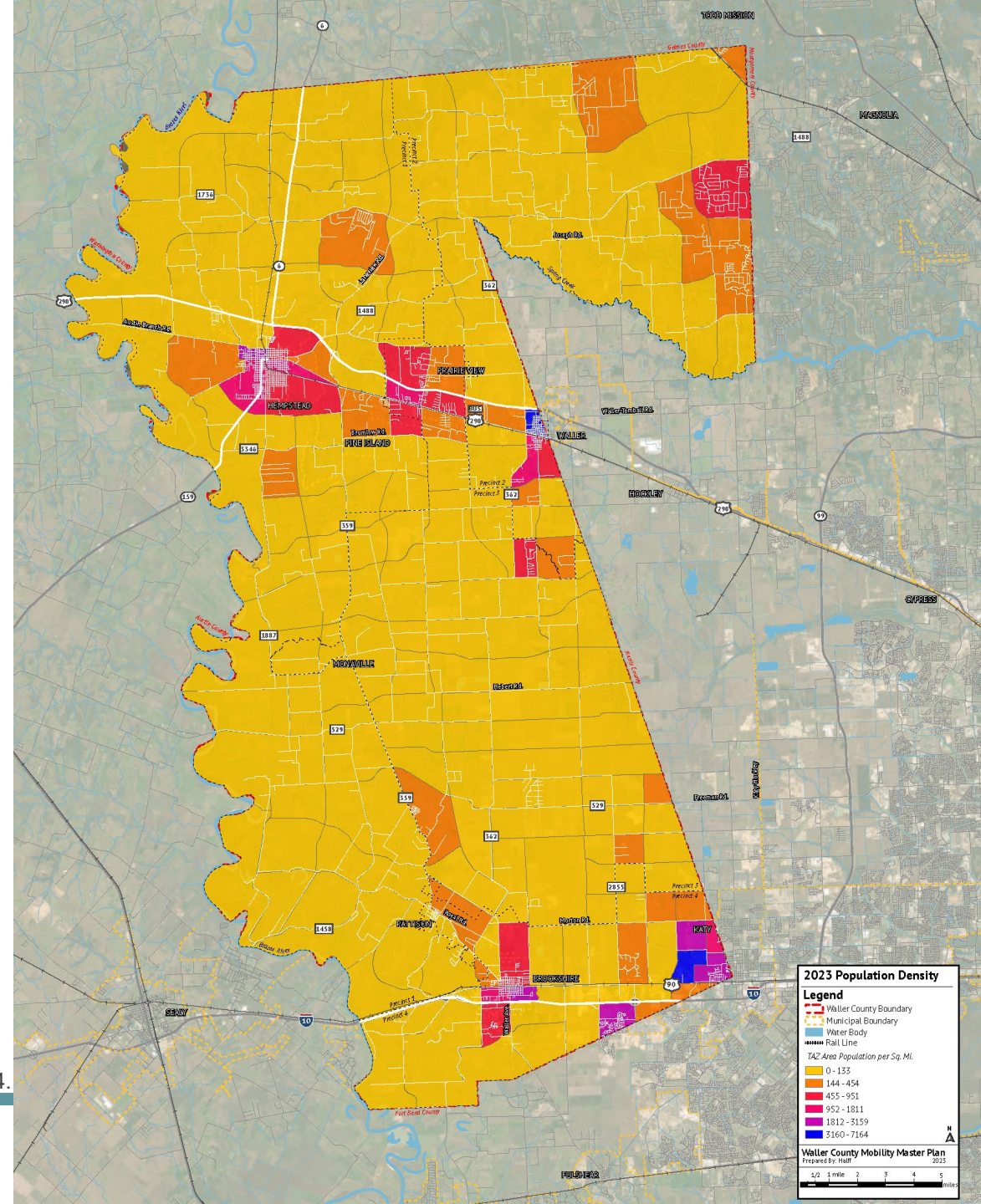
Population Growth



Job Growth



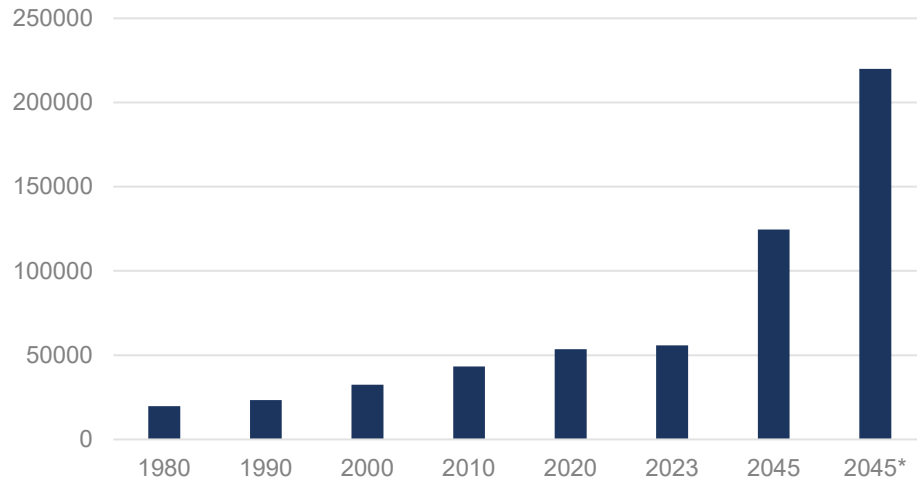
*Population and jobs based on 2023 H-GAC Travel Demand Model.
 2020 U.S. Census Bureau population estimate - 56,763. 2022 U.S. Census Bureau population estimate - 61,894.



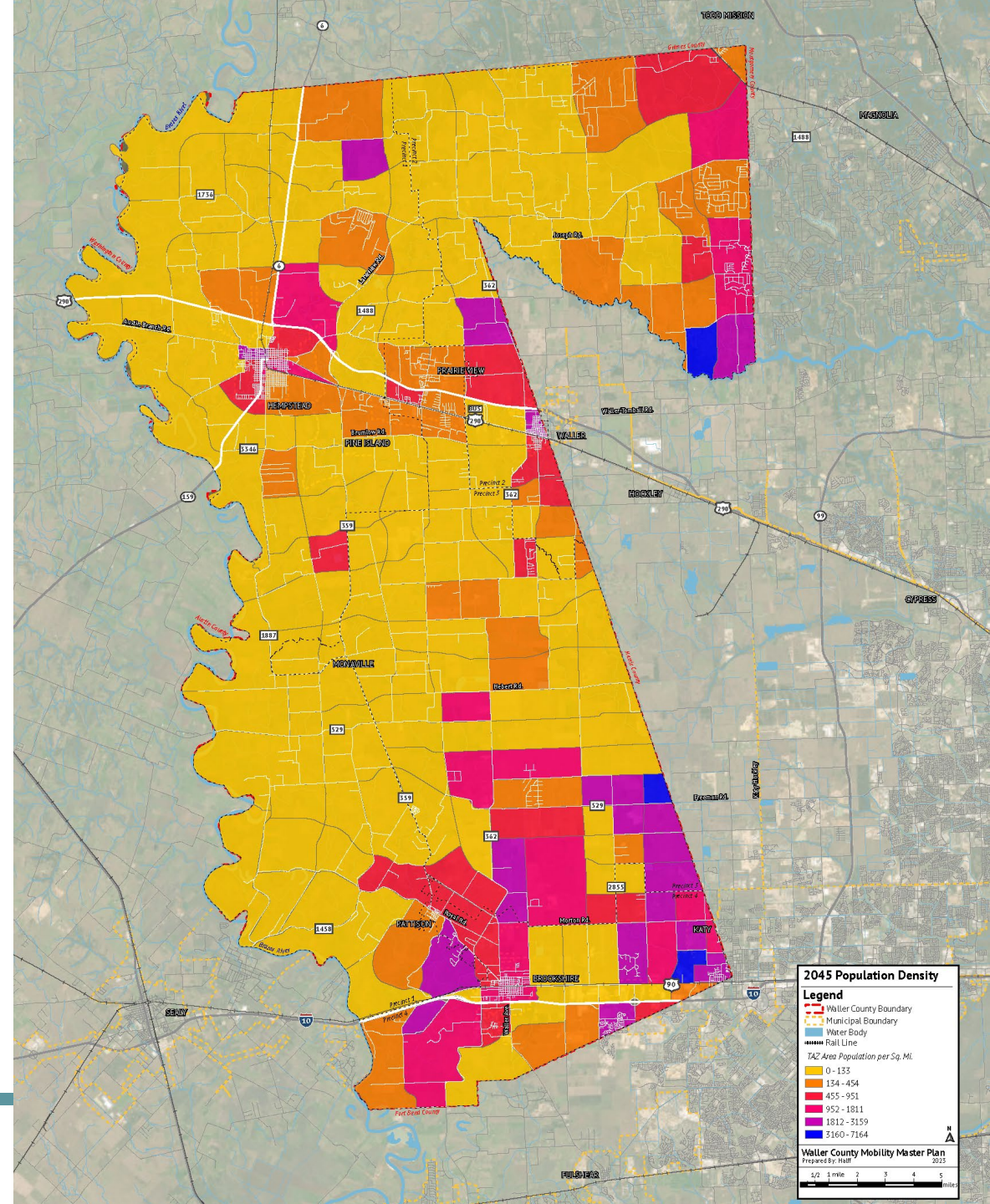
GROWTH IN WALLER COUNTY

- **220,000** projected 2045 population
- **294%** projected population increase
- **33%** job increase by 2045 to **34,861**

Population Growth

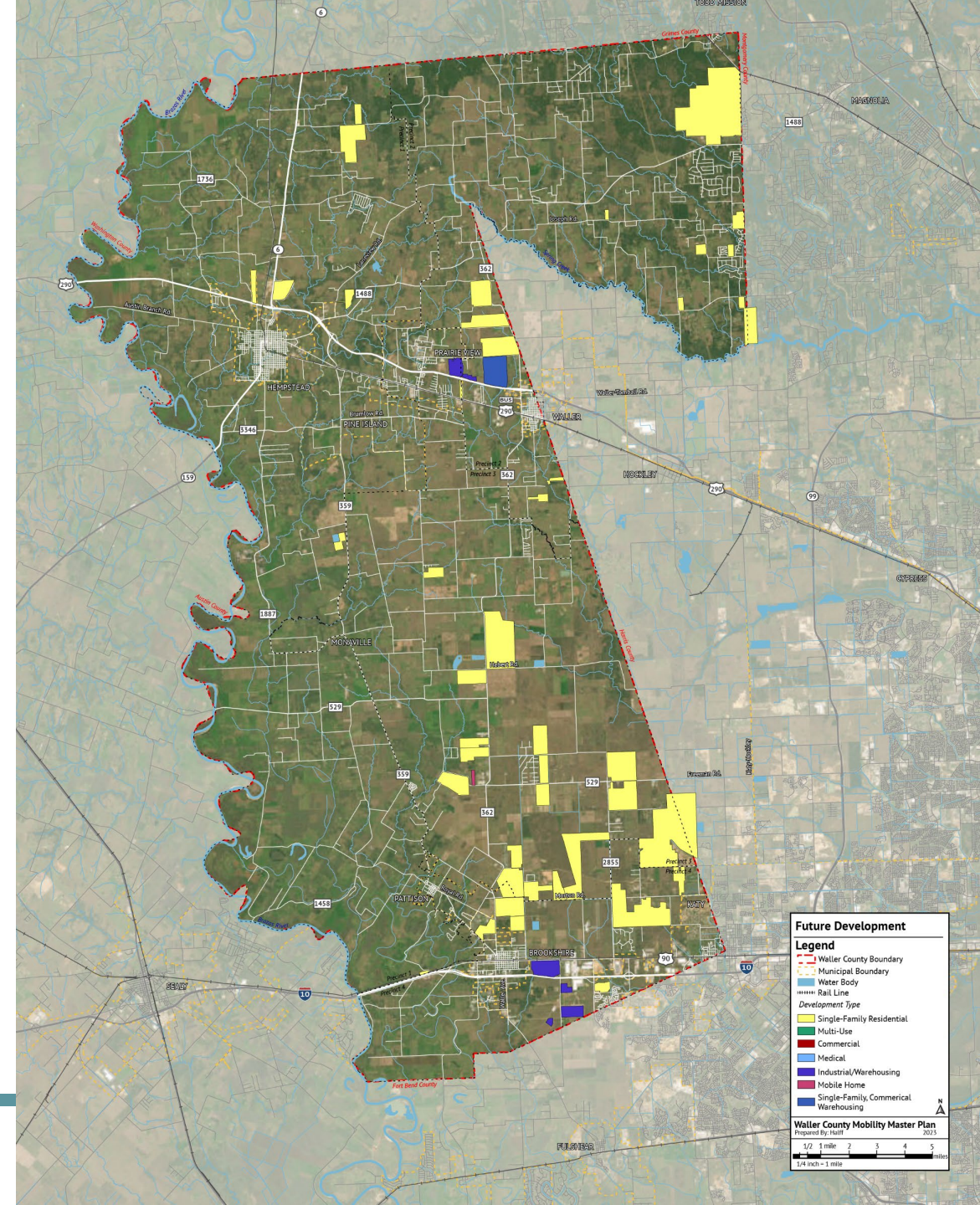


Demographics	2023 Estimate	2045* Projection	% Growth
Population	55,770	220,000	294.48%
Jobs	26,154	34,861	33.29%



DEVELOPMENT

- Master planned residential development occurring throughout County
- Industrial Development occurring primarily along Interstate 10 and US Highway 290
 - Sunterra Development – 5,000 lots
 - Franz Road Residential – 4,400 lots
 - Sofi Lake – 2,500 lots
 - Pattison Farms – 2,315 lots
 - Freeland Tract – 2,168 lots
 - Sorsby – 1,500 lots
 - Bluestem – 1,343 lots
 - Maple Reserve – 1,064 lots



MOBILITY BOND PROJECTS

- Roadway projects categorized by type:

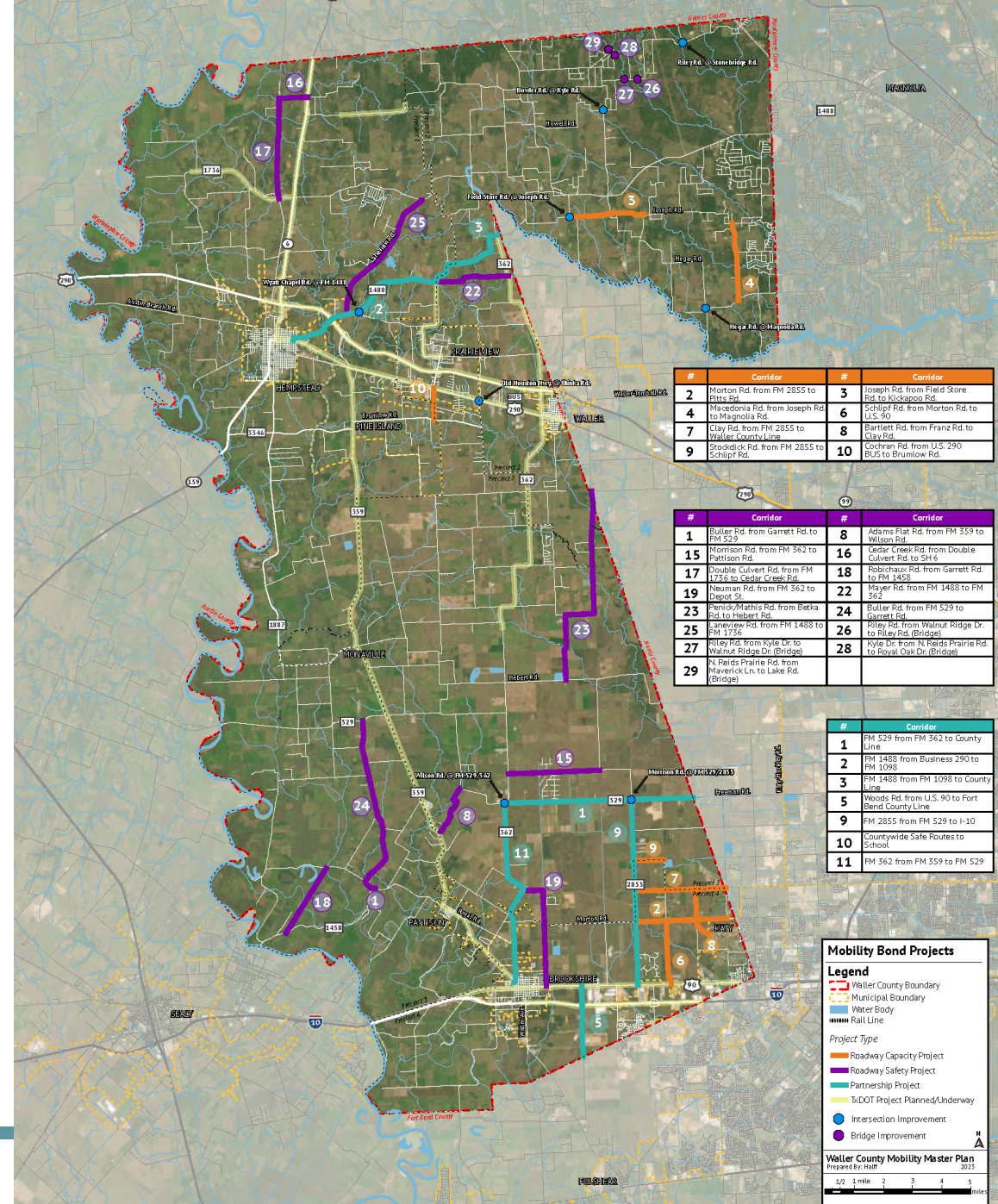
- Capacity
- Safety/Maintenance
- Partnership

- 37** proposed projects

- \$258,285,000**

Precinct	Project	Cost
Precinct 1	9	\$ 41,713,000.00
Precinct 2	13	\$ 67,513,000.00
Precinct 3	9	\$ 61,213,000.00
Precinct 4	6	\$ 87,846,000.00
Total	37	\$ 258,285,000.00

Project Type	Number of Projects	Total Amount
Capacity	8	\$ 183,637,000.00
Safety/Maintenance	22	\$ 40,231,000.00
Partnership-City	1	\$ 2,000,000.00
Partnership-TxDOT	6	\$ 32,417,000.00
Total	37	\$ 258,285,000.00



PRECINCT 1

Project Type	Number of Projects	Total Amount
Capacity	1	\$ 11,500,000.00
Safety/Maintenance	7	\$ 25,748,000.00
Partnership-City	-	-
Partnership-TxDOT	1	\$ 4,465,000.00
Total	9	\$ 41,713,000.00

Capacity

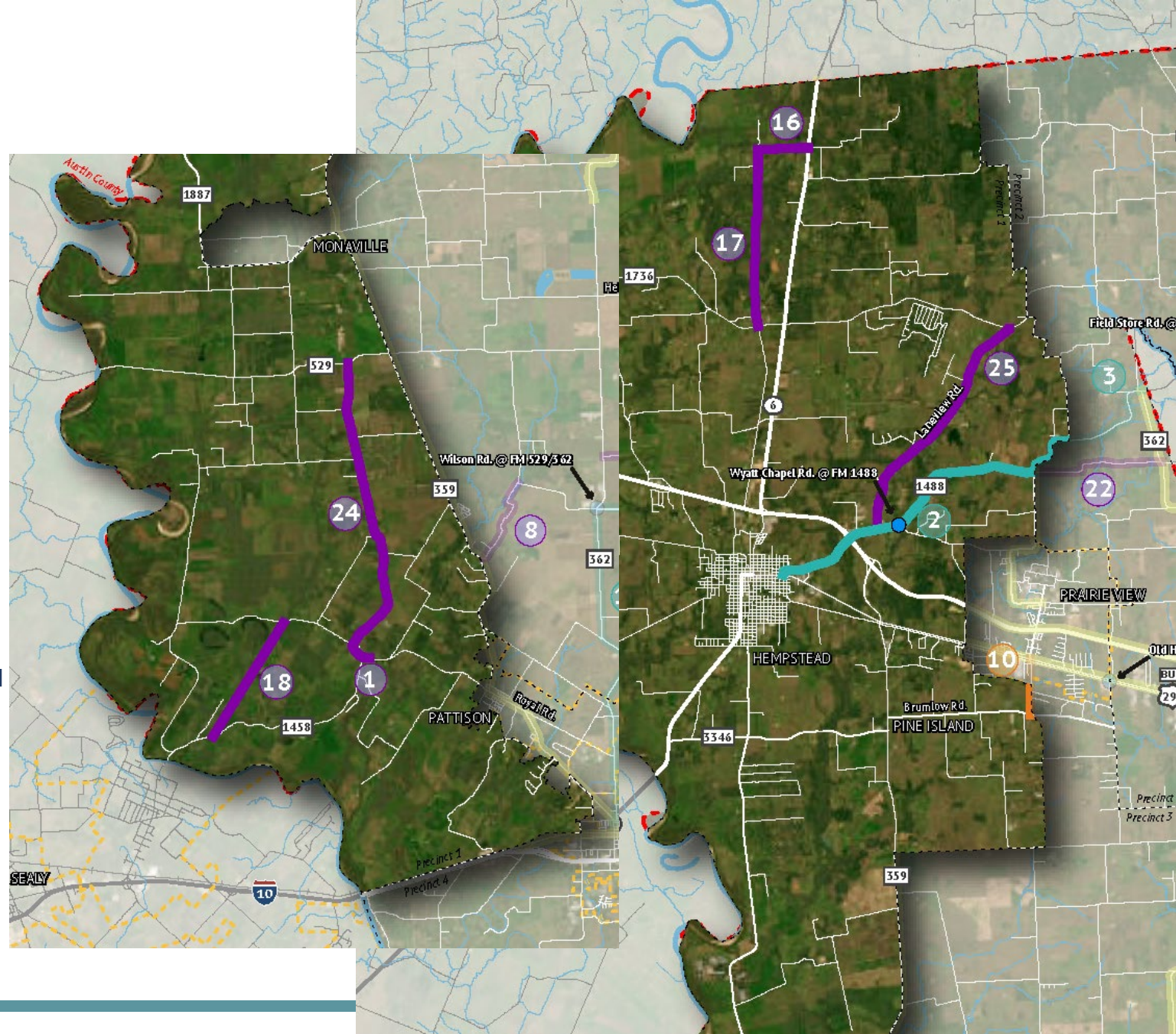
- 10. Cochran Road – US 290 Business to Brumlow Rd

Safety/Maintenance

- 1. Buller Road Intersection – FM 1458 and Garrett Rd
- 16. Cedar Creek Road – Double Culvert Rd to SH 6
- 17. Double Culvert Road – FM 1736 to Cedar Creek Rd
- 18. Robichaux Road – Garrett Rd to FM 1458
- 24. Buller Road – FM 529 to Garrett Rd
- 25. Laneview Road – Fm 1488 to FM 1736 Intersection – Wyatt Chapel at FM 1488

Partnership

- 2. FM 1488 – US 290 Business to FM 1098



PRECINCT 1

ID	Precinct	Corridor	From	To	Length (mi)	Project Type	Description	Cost Estimate*
R10	1&3	Cochran Road	US 290 Business	Brumlow Road	1	Capacity	Widen from 2-lane to 3-lane with center-turn lane; intersection improvements	\$ 11,500,000.00
RS1	1	Buller Road	Garrett Road	FM 1458		Roadway Realignment	Realign intersection to address crash safety concern.	\$ 7,838,000.00
RS14	1	Wyatt Chapel at FM 1488				Intersection Improvement	Deceleration lane along FM 1488, additional signage, and pavement markings.	\$ 155,000.00
RS16	1	Cedar Creek Road	Double Culvert Road	SH 6	0.94	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Serious - 20)	\$ 370,000.00
RS17	1	Double Culvert Road	FM 1736	Cedar Creek Road	3.3	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Serious - 20)	\$ 1,270,000.00
RS18	1	Robichaux Road	Garrett Road	FM 1458	2.5	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Poor - 54)	\$ 965,000.00
RS24	1	Buller Road	FM 529	Garrett Road	5.4	Add shoulder	Add 6'-10' wide shoulder on both sides of roadway	\$ 8,100,000.00
RS25	1	Laneview Road	FM 1488	FM 1736	4.7	Add shoulder	Add 6'-10' wide shoulder on both sides of roadway	\$ 7,050,000.00
P2	1	FM 1488	Bus 290	FM 1098/Mayer Road	5.5	Roadway Improvement	Reconstruct and widen from 2 to 4 lanes divided; intersection improvements	\$ 4,465,000.00
Total								\$ 41,713,000.00

*Partnership project cost estimates include 10% match for Waller County to total project cost. Match percentage can be change based on discussion with partner agency.

PRECINCT 2

	Project Type	Number of Projects	Total Amount
	Capacity	2	\$ 49,116,000.00
	Safety/Maintenance	10	\$ 11,233,000.00
	Partnership-City	-	-
	Partnership-TxDOT	1	\$ 7,164,000.00
	Total	13	\$ 67,513,000.00

Capacity

- 3. Joseph Road – Field Store Rd to Kickapoo Rd
- 4. Macedonia Road – Joseph Rd to Magnolia Rd

Partnership

- 3. FM 1488 – FM 1098 to Harris County Line

Safety/Maintenance

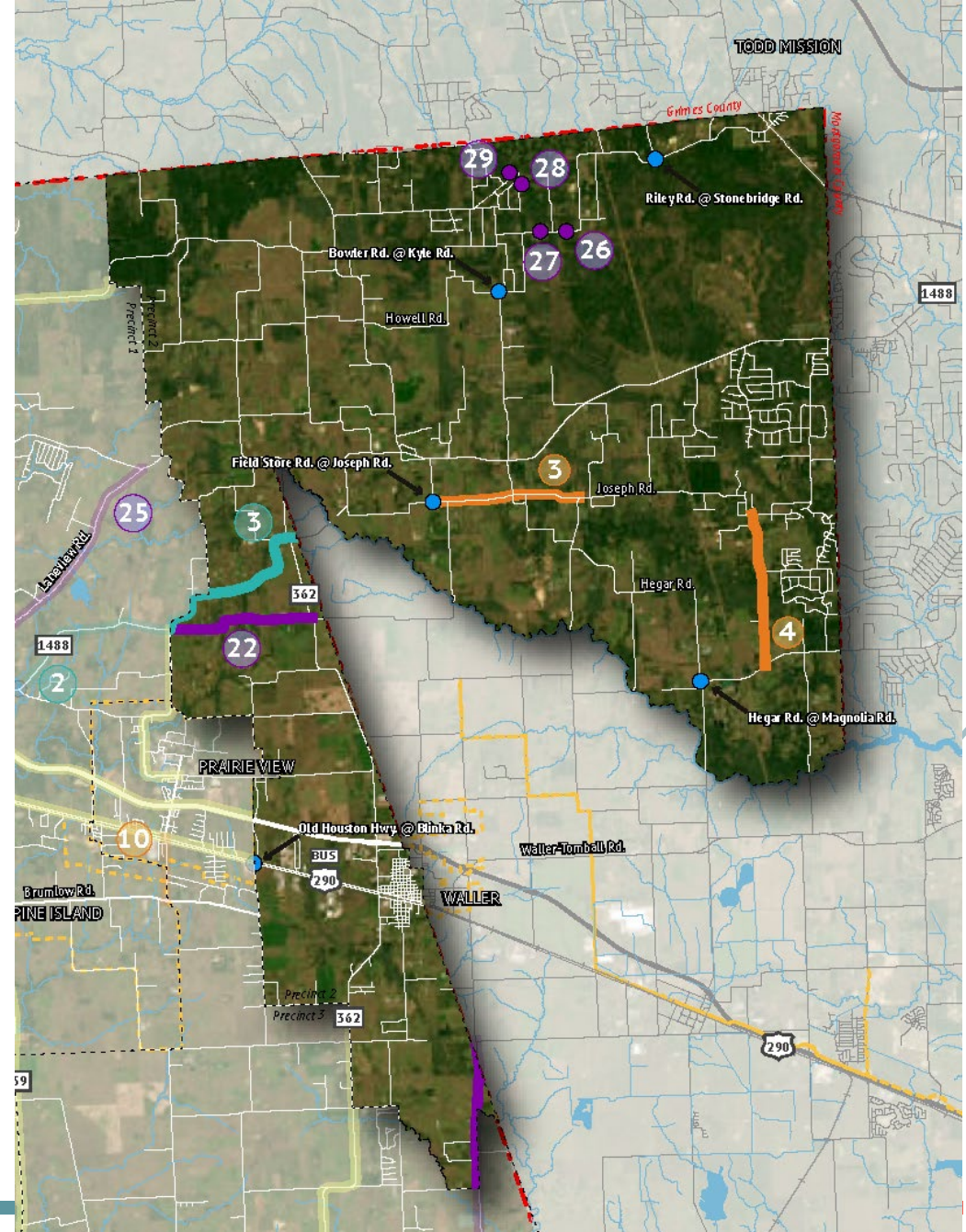
- 22. Mayer Road – FM 1488 to FM 362
- 23. Penick and Mathis Road

Intersection

- Bowler Rd at Kyle Rd
- Old Houston Highway at Blinka Road
- Riley Road at Stonebridge Pkwy
- Hegar Road at Magnolia Road

Bridge Improvements

- Reids Prairie Road
- Rylie Road (2)
- Kyle Drive



PRECINCT 2

ID	Precinct	Corridor	From	To	Length (mi)	Project Type	Description	Cost Estimate*
RC3	2	Joseph Road	Fields Store Road	Kickapoo Road	2.5	Capacity	Widen from 2 -lane to 3-lane with center-turn lane; intersection improvements	\$ 28,631,000.00
RC4	2	Macedonia Road	Joseph Road	Magnolia Road	2.5	Capacity	Widen from 2-lane to 3-lane with center-turn lane; intersection improvements	\$ 20,485,000.00
RS2	2	Bowler at Kyle Road				Intersection Improvement	Additional signage and striping, curb radii improvements and lighting	\$ 500,000.00
RS9	2&3	Old Houston Highway at Blinka Road				Intersection Improvement	Additional signage, striping, and realignment of curb radii.	\$ 42,000.00
RS10	2	Riley Road at Stonebridge Pkwy				Intersection Improvement	Additional signage, striping and lighting improvements.	\$ 21,000.00
RS11	2	Hegar Road at Magnolia Road				Intersection Improvement	Install overhead flashing beacon, additional signage, striping, and pavement markings. Install rumble strips on westbound approach.	\$ 107,000.00
RS22	2	Mayer Road	FM 1488	FM 362	2.5	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Very Poor - 39)	\$ 938,000.00
RS23	2&3	Penick and Mathis Road	Betka Road	Hebert Road	7	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Very Poor to Serious)	\$ 2,625,000.00
RS26	2	N Reids Prairie Road	Maverick Ln	Lake Road		Bridge Improvement	Approx 392 ft (Approx 292 ft from opening to closing and 50 ft of buffer on both sides) 5 columns	\$ 1,750,000.00
RS27	2	Kyle Drive	N Reids Prairie Road	Royal Oak Drive		Bridge Improvement	Approx 397 ft (Approx 297 ft from opening to closing and 50 ft of buffer on both sides) 5 columns	\$ 1,750,000.00
RS28	2	Riley Road	Kyle Drive	Walnut Ridge Drive		Bridge Improvement	Approx 357 ft (Approx 257 ft from opening to closing and 50 ft of buffer on both sides) 5 columns	\$ 1,750,000.00
RS29	2	Riley Road	Walnut Ridge Drive	Riley Road		Bridge Improvement	Approx 370 ft (Approx 270 ft from opening to closing and 50 ft of buffer on both sides)	\$ 1,750,000.00
P3	2	FM 1488-TxDOT	FM 1098/Mayer Road	Harris County Line	3.1	Roadway Capacity	Reconstruct and widen from 2 to 4 lanes divided	\$7,164,000.0
Total								\$ 67,513,000.00

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PRECINCT 3

Project Type	Number of Projects	Total Amount
Capacity	2	\$ 41,723,000.00
Safety/Maintenance	4	\$ 1,880,000.00
Partnership-City	-	-
Partnership-TxDOT	3	\$ 17,610,000.00
Total	9	\$ 61,213,000.00

Capacity

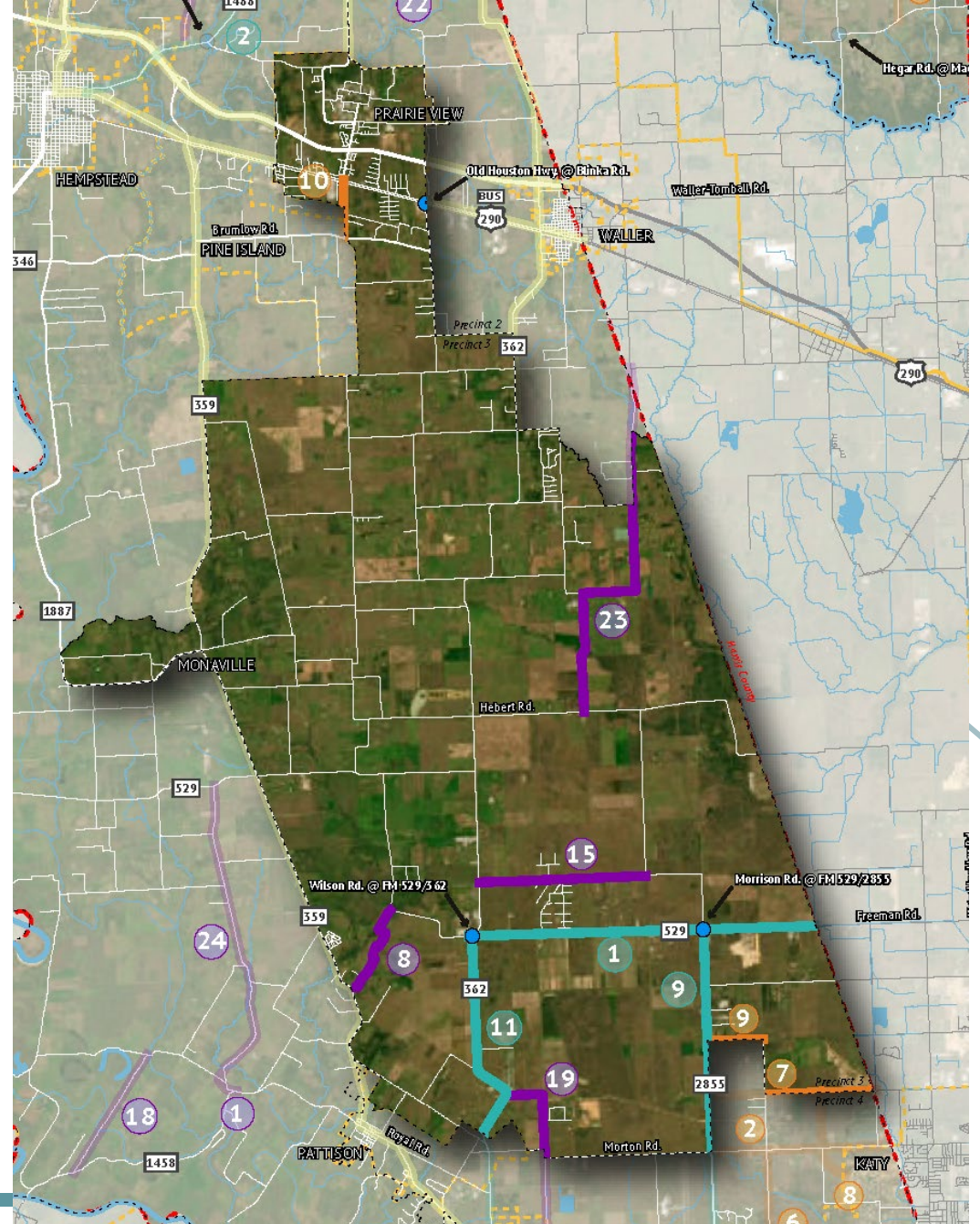
- 7. Clay Road – FM 2855 to HC Line
- 9. Stockdick Road – Fm 2855 to Schlipf Rd

Safety/Maintenance

- 8. Adams Flat Road – FM 359 to Wilson Rd
- 15. Morrison Road – FM 362 to Pattison Rd Intersection
 - Wilson Road at FM 529/362
 - Morrison Road at FM 529/2855

Partnership

- 1. FM 529 – FM 362 to HC Line
- 9. FM 2855 – FM 529 to I-10
- 11. FM 362 – FM 359 to FM 529



PRECINCT 3

ID	Precinct	Corridor	From	To	Length (mi)	Project Type	Description	Cost Estimate*
RC7	3&4	Clay Road	FM 2855	Waller County Line	3	Capacity	Widen from 2 to 4 lane with median and sidewalks; intersection improvements	\$ 29,223,000.00
RC9	3	Stockdick Road	FM 2855	Schlipf Road	1	Capacity	Widen from 2 to 4 lane with median; intersection improvements	\$ 12,500,000.00
RS8	3	Adams Flat Road	FM 359	Wilson Road	1.72	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Poor - 53)	\$ 651,000.00
RS12	3	Wilson Road at FM 529/362				Intersection Improvement	Add LED flashing chevrons, relocate stop sign and signal cabinets, and install guardrail. If warranted, consider traffic signal.	\$ 21,000.00
RS13	3	Morrison Road at FM 529/2855				Intersection Improvement	Install overhead flashing beacon, additional signage, striping, and pavement markings. Widen shoulder on W leg of intersection or construct EB right-turn deceleration lane	\$ 192,000.00
RS15	3	Morrison Road	FM 362	Pattison Road	3	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Very Poor - 28)	\$ 1,016,000.00
P1	3	FM 529-TxDOT	FM 362	Harris County Line	6.1	Roadway Capacity	Reconstruct and widen from 2 to 4 lanes	\$7,810,000.0
P9	3&4	FM 2855-TxDOT	FM 529	I-10	6.1	Roadway Capacity	Widen from 2 to 4 lanes with median and intersection improvements	\$3,500,000.0
P11	3&4	FM 362-TxDOT	FM 359	FM 529	6.3	Roadway Capacity	Widen from 2 to 4 lanes with median and intersection improvements	\$6,300,000.0
Total								\$ 61,213,000.00

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PRECINCT 4

Project Type	Number of Projects	Total Amount
Capacity	3	\$ 81,298,000.00
Safety/Maintenance	1	\$ 1,370,000.00
Partnership-City	1	\$ 2,000,000.00
Partnership-TxDOT	1	\$ 3,178,000.00
Total	6	\$ 87,846,000.00

Capacity

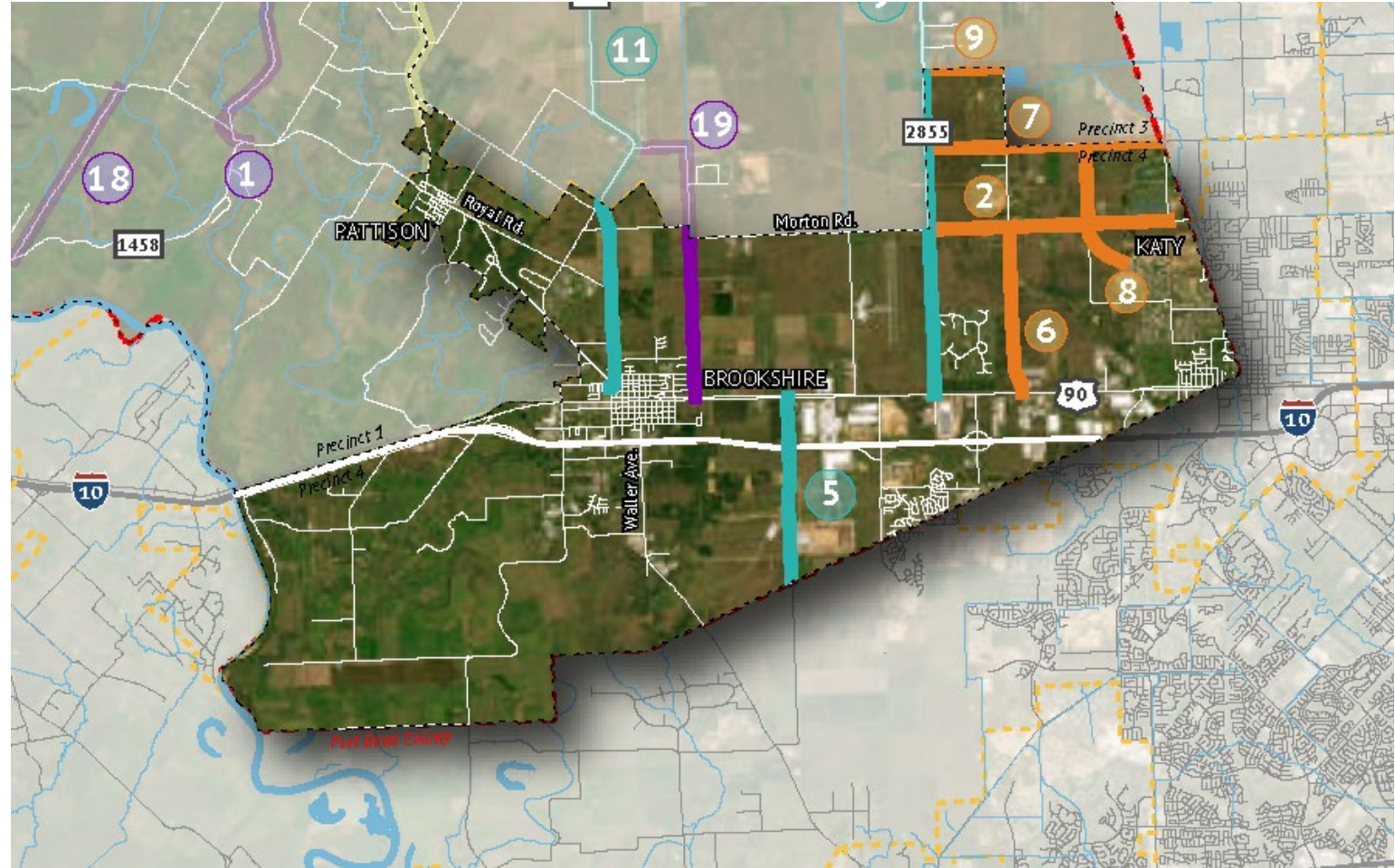
- 2. Morton Road – FM 2855 to HC Line
- 6. Schlipf Road – Morton Rd to US 90
- 8. Bartlett Road – Franz Rd to Clay Rd

Safety/Maintenance

- 19. Neuman Road – FM 362 to Depot St

Partnership

- 5. Woods Road – US 90 to FB Line
Countywide Safe Routes to School Program



PRECINCT 4

ID	Precinct	Corridor	From	To	Length (mi)	Project Type	Description	Cost Estimate*
RC2	4	Morton Road	FM 2855	Pitts Road	3	Capacity	Widen from 2 to 4 lane with median and sidewalks; intersection improvements	\$ 33,961,000.00
RC6	4	Schlipf Road	Morton Road	US 90	2.1	Capacity	New roadway to 4 lane with median	\$ 24,929,000.00
RC8	4	Bartlett Road	Franz Road	Clay Road	1.7	Capacity	New roadway to 4 lane with median and sidewalks; intersection improvements	\$ 22,408,000.00
RS19	3&4	Neuman Road	FM 362	Depot Street	3.8	Maintenance	Mill and overlay existing 2 lane roadway (PCI - Poor - 34)	\$ 1,370,000.00
P5	4	Woods Road-TxDOT	US 90	Fort Bend County	2.2	Roadway Capacity	Widen from 2 to 4 lanes	\$3,178,000.00
P10	Countywide	Safe Routes to School				Roadways Adjacent to ISD Schools	Signage, striping, wayfinding, and sidewalk improvements along roadways adjacent to Isd schools in Waller County	\$ 2,000,000.00
Total								\$ 87,846,000.00

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Q&A