

### LEGEND

— Freeway Facility

6 Lane Facility

Existing

Enhanced

Proposed

4 Lane Facility

Existing

Enhanced

Proposed

2 Lane Facility

Existing

Proposed

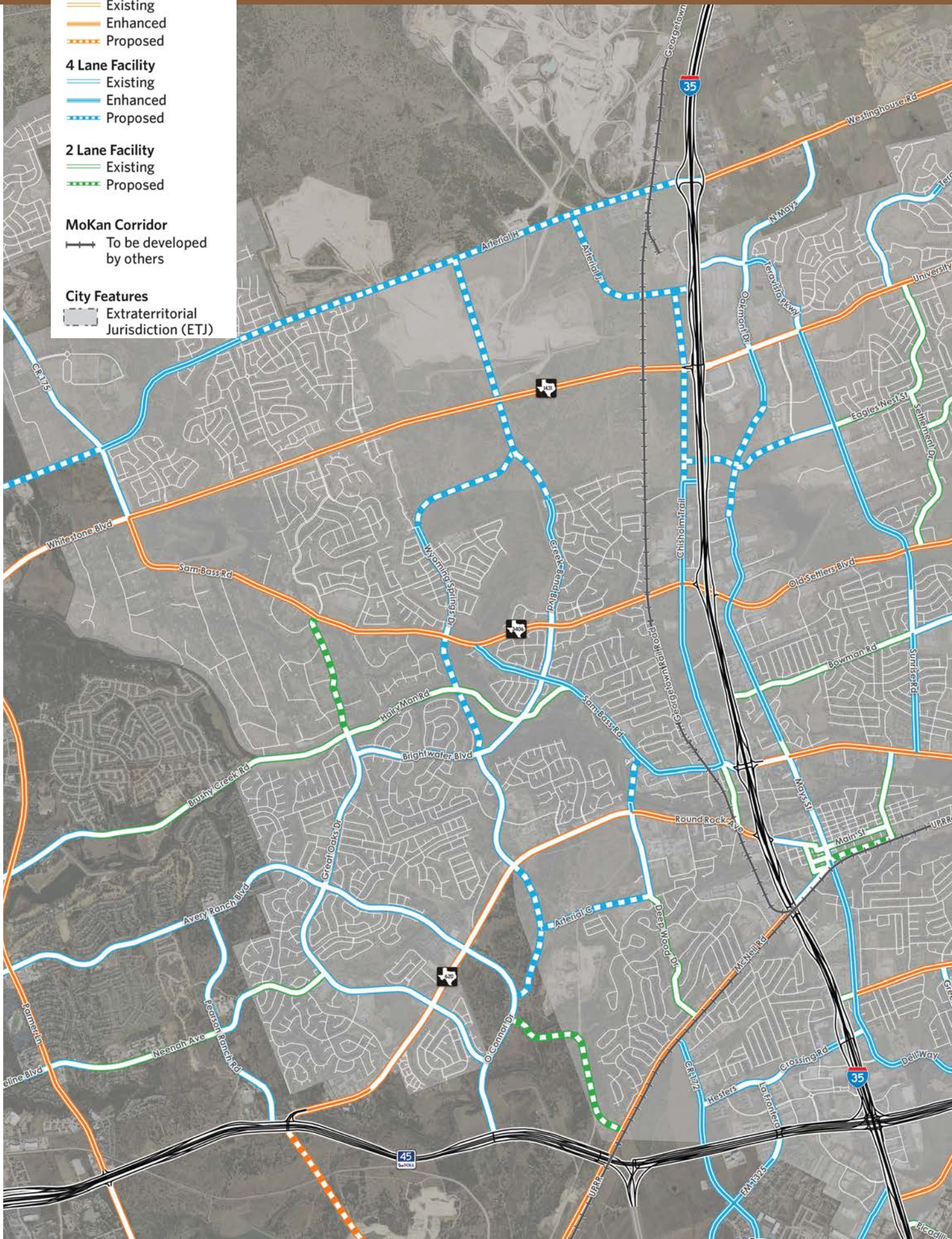
MoKan Corridor

To be developed by others

City Features

Extraterritorial Jurisdiction (ETJ)

## FIGURE 6-1: THOROUGHFARE PLAN





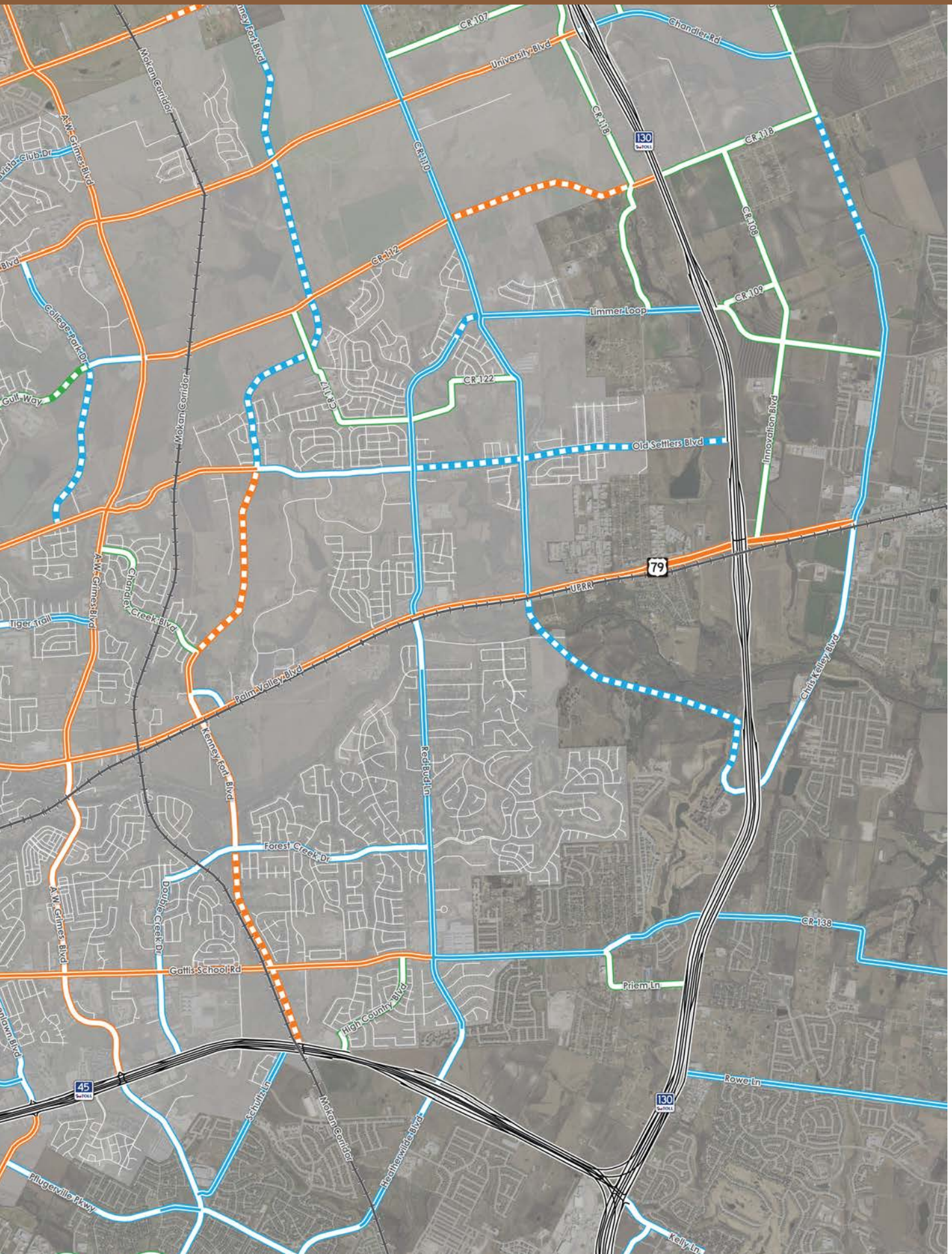


Table 6-1: Intersection Improvements

Intersection	Rank	Improvements (*Indicates improvement currently under plan by TxDOT, City of Round Rock, or others)
A.W. Grimes Blvd. and Gattis School Road	1	<ol style="list-style-type: none"> <li>1) Add southbound and northbound dual left-turn lanes.</li> <li>2) Add separate right-turn lanes at all approaches.</li> </ol>
IH 35 Blvd. and Round Rock Avenue (RM 620)	2	<p><b>Southbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Add southbound and eastbound right-turn lanes.</li> <li>*2) Add auxiliary lane between northbound-to-southbound U-turn and downstream southbound entrance ramp.</li> </ul> <p><b>Northbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Extend northbound right-turn lane.</li> <li>*2) Reconfigure lane assignments (e.g., restripe northbound left-turn-only lane as left-turn/through-shared lane).</li> </ul>
IH 35 Blvd. Louis Henna Blvd. (SH 45 FR)	3	<ul style="list-style-type: none"> <li>*1) Improve traffic signal (Construction scheduled)</li> <li>2) Add/extend U-turn and right-turn acceleration lanes at all approaches.</li> </ul>
IH 35 Frontage and University Blvd.	4	Diverging diamond interchange was completed in 2016.
Red Bud Lane and Gattis School Road	5	<ul style="list-style-type: none"> <li>*1) Add northbound and eastbound right-turn lanes.</li> <li>*2) Add southbound receiving lane along Red Bud Lane.</li> <li>*3) Add eastbound and westbound dual left-turn lanes.</li> <li>*4) Change southbound right-turn-only lane to through/right-turn-shared lane.</li> <li>5) Add southbound and westbound right-turn lanes.</li> </ul>
IH 35 Frontage and Old Settlers Blvd.	6	<ul style="list-style-type: none"> <li>*1) Widen existing bridge and improve bike/pedestrian accommodations.</li> <li>*2) Construct two U-turn bridges. (In-Construction, Anticipated Construction End 2019)</li> </ul>
A.W. Grimes Blvd. and Palm Valley Blvd. (US 79)	7	<ol style="list-style-type: none"> <li>1) Channelize southbound right-turn lane (add westbound acceleration lane to allow free southbound right-turn movements, if feasible).</li> <li>2) Extend northbound and southbound left-turn lanes.</li> <li>3) Extend southbound right-turn lane.</li> </ol>
IH 35 Frontage and Palm Valley Blvd. (US 79)	8	<p><b>Northbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Add northbound left-turn/through-shared lane.</li> <li>*2) Add northbound through-only lane.</li> <li>*3) Add 4th westbound through-lane.</li> <li>*4) Add 3rd northbound receiving lane.</li> </ul> <p><b>Southbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Extend southbound-to-northbound U-turn lane.</li> <li>*2) Add 3rd westbound left-turn lane.</li> </ul>
IH 35 Frontage and Hesters Crossing Road	9	<p><b>Southbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Reduce curvature in advance of southbound frontage road approach.</li> <li>*2) Extend southbound right-turn lane.</li> <li>3) Remove permitted phase for Hesters Crossing westbound dual left-turn onto southbound frontage road.</li> </ul>
IH 35 Frontage and McNeil Rd.	10	<p><b>Southbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Add sidewalks along southbound frontage road.</li> </ul> <p><b>Northbound Frontage Road:</b></p> <ul style="list-style-type: none"> <li>*1) Reconfigure lane assignments on northbound frontage road (e.g., restripe left-turn/through-shared lane as through-only lane).</li> </ul>



Table 6-1, continued: Intersection Improvements

Intersection	Rank	Improvements
Mays Street and Old Settlers Blvd.	11	Operations at Old Settlers and IH 35 is a primary source of congestion at this intersection. Additional intersection improvements should be reevaluated following completion of Mobility 35 improvements at Old Settlers and IH 35.
A.W. Grimes Blvd. and Louis Henna Blvd. (SH 45 Frontage)	12	Extensions of Kenney Fort Blvd. and Double Creek Dr. are anticipated to reduce demand and improve congestion at this intersection. The need for additional intersection improvements should be reevaluated after completion of the Kenney Fort Blvd. extension project.
Mays Street and Gattis School Road	13	*1) Add westbound right-turn lane. (Letting Anticipated Summer 2017) 2) Reconfigure lane assignments at westbound approach (Restripe to have dual left-turn lanes, one through lane, and one right-turn-only lane).
Red Bud Lane and Palm Valley Blvd. (US 79)	14	1) Restrict left-turns from retail driveways (on Red Bud Lane, north of US 79). 2) Reconfigure lane assignments at northbound approach (Restripe to have dual left-turn lanes, one through lane, and one through/right-turn-shared lane).
Deepwood Drive Round Rock Avenue (RM 620)	15	*1) Widen RM 620 to six lanes with raised medians and right-turn lanes. *2) Add westbound bike lane. *3) Provide continuous sidewalks from Deepwood Dr. to IH 35. *4) Add pedestrian signal heads to southbound approach.
Chisholm Trail Road and Round Rock Avenue (RM 620)	16	*1) Construct bridge for RM 620 through traffic over railroad and intersection. *2) Reconstruct Chisholm Trail Rd. intersection as at-grade roundabout.
Southcreek Drive and Gattis School Road	17	Extensions of Kenney Fort Blvd. and Double Creek Dr. are anticipated to improve congestion at this intersection by providing alternative routes. The need for additional intersection improvements should be reevaluated after completion of the Kenney Fort Blvd. extension project.
Sunrise Road and University Blvd.	18	*1) Widen University Blvd. to six lanes with raised medians and dual left-turn lanes at Oakmont Dr. and University Oaks Blvd. 2) Add southbound left-turn bay to improve visibility for permitted southbound left-turn movement. 3) Add northbound right-turn lane.
Greenlawn Blvd. and Louis Henna Blvd. (SH 45 Frontage)	19	1) Add eastbound and westbound through lanes to increase capacity. 2) Restripe Greenlawn Blvd. south of SH 45 to allow free eastbound right-turn movements.
Oakmont Drive and University Blvd.	20	*1) Widen University Blvd. to six lanes with raised medians and dual left-turn lanes at Oakmont Dr. and University Oaks Blvd.
Double Creek Drive and Gattis School Road	21	Extensions of Kenney Fort Blvd. and Double Creek Dr. are anticipated to improve congestion at this intersection by providing alternative routes. The need for additional intersection improvements should be reevaluated after completion of the Kenney Fort Blvd. extension project.
Sunrise Road and Old Settlers Blvd.	22	No additional improvements beyond the Thoroughfare Plan recommended at this time.
A.W. Grimes Blvd. and Old Settlers Blvd.	23	1) Consider removing permitted phase for northbound left-turn movements due to low visibility.
A.W. Grimes Blvd. and University Blvd.	24	No additional improvements beyond the Thoroughfare Plan recommended at this time.
Mays Street and Liberty Avenue	25	*1) Add center two-way left-turn lane along Mays Street *2) Restripe crosswalks. 3) Consider installation of traffic signal.

# SHORT-TERM IMPROVEMENTS PROVIDE IMMEDIATE IMPACT TO MOBILITY ENHANCEMENTS.

## SHORT-TERM IMPROVEMENTS (2017-2020)

Corridor	Project Limits	Project Length (mi)	CIP Rank	Total Cost (2017 \$)
Mays Street	McNeil Road to Hesters Crossing	1.23	1	\$7,939,288
McNeil Road Extension	McNeil Road to Georgetown St.	0.52	2	\$5,404,994
US 79	Mays Street to A.W. Grimes Blvd.	1.66	3	\$9,319,564
Gattis School Road	Mays Street to Red Bud Ln.	3.76	4	\$34,803,267
Update ITS and Traffic Management Infrastructure	-	-	-	\$20.9M*

\*Source: City of Round Rock Traffic Management System Improvement Study

## MID-TERM IMPROVEMENTS (2020-2030)

Corridor	Project Limits	Project Length (mi)	CIP Rank	Total Cost (2017 \$)
A.W. Grimes Blvd.	US 79 to Old Settlers Blvd.	1.80	5	\$11,176,231
Round Rock Ave/RM 620	North of Shady Ln. to south of Cornerwood Dr.	0.24	6	\$2,353,681
US 79	A.W. Grimes Blvd. to SH 130	3.88	7	\$67,177,078
FM 3406/Old Settlers Blvd.	Sam Bass Rd. to Greenhill Dr.	3.08	8	34,918,059
Gattis School Road	Red Bud Ln. to Priem Ln.	0.56	9	\$3,624,468
Teravista Parkway	South of Centerbrook Place to west of Engadina Pass	0.20	10	\$1,739,001
Kenney Fort Blvd.	SH 45 to Forest Creek Dr.	1.46	11	\$21,412,128
Kenney Fort Blvd.	Joe Dimaggio Blvd. to Old Settlers Blvd.	1.73	12	\$28,276,013
Sam Bass Rd.	University Blvd. to FM 3406	2.12	13	34,235,126
Hesters Crossing Rd.	Dry Creek Dr. to west of IH 35 SBFR	0.32	14	\$2,680,564
Old Settlers Blvd.	Greenhill Dr. to Kenney Fort Blvd.	3.08	15	\$22,712,450
University Blvd.	Sunrise Rd. to A.W. Grimes Blvd.	1.98	16	\$16,486,652
Round Rock Ave/RM 620	Deepwood Dr. to IH 35	0.92	17	\$27,028,968

## LONG-TERM IMPROVEMENTS (2030-2040)

Corridor	Project Limits	Project Length (mi)	CIP Rank	Total Cost (2017 \$)
Kenney Fort Blvd.	Old Settlers Blvd. to Westinghouse Rd.	3.38	18	\$44,071,390
RM 1431/University Blvd.	Sam Bass Road to IH 35	4.08	19	\$69,430,497
Red Bud Lane	Forest Ridge Blvd. (south of US 79) to Cheyenne Valley Dr. (north of SH 45)	2.56	20	\$34,323,089
Sam Bass Road	FM 3406 to Chisholm Trail Rd	2.08	21	\$29,421,876
Gulf Way Extension	Gulf Way to Avery Nelson Blvd.	0.41	22	\$3,783,886
Sunrise Road	University Blvd. to County Aire Drive (south of Old Settlers Blvd.)	2.06	23	\$12,407,430
Deepwood Drive	North of RM 620 to Sam Bass Road	0.33	24	\$5,443,339
A.W. Grimes Blvd.	FM 3406 to Westinghouse Road	2.97	25	\$21,588,141
CR 112	A.W. Grimes Blvd. to CR 118	3.86	26	\$56,463,193
CR 114/Chandler Road	SH 130 to CR 100	1.45	27	\$22,681,814
Great Oaks Dr. Extension	Hairy Man Rd. to CR 175	0.89	28	\$8,172,320
Teravista Club Drive	A.W. Grimes Blvd. to Teravista Club Drive	0.78	29	\$4,658,948
Old Settlers Blvd.	Red Bud Ln. to ETJ Boundary	0.88	30	\$12,784,263
Red Bud Ln/Limmer Loop	Guadalajara St. to SH 130	3.04	31	\$27,833,140
Mays Street	Paloma Dr. to Northwest Dr.	1.69	32	\$13,824,613
CR 110	Palm Valley Blvd. to ETJ Boundary	0.52	33	\$7,946,906
McNeil Rd.	Trey to IH 35	1.19	34	\$10,424,150
Chisholm Trail Rd.	Sam Bass Rd. to IH 35 SBFR	2.14	35	\$14,749,433
Arterial H	West of CR 175/ETJ Limit to IH 35	5.15	36	\$66,515,530
Arterial L	Chisholm Trail Rd. to Eagles Nest Dr.	.86	37	\$13,988,207
CR 172	McNeil Rd. to FM 1325	0.87	38	\$13,931,264
Schultz Ln.	SH 45 to Springbrook Road	0.06	39	\$1,102,498
University Blvd.	A.W. Grimes Blvd. to SH 130	3.59	40	\$55,252,297
Wyoming Springs Dr.	Bright Water Blvd. to Old Settlers Blvd.	0.88	41	\$13,290,329
Arterial C	O'Connor Dr. to Deepwood Dr.	1.31	42	\$17,067,471
College Park Dr.	South of University Blvd. to Bluff Landing Way	1.83	43	\$23,718,495
CR 110	Limmer Loop to Limmer Loop	4.76	44	\$62,256,805
Dell Way	Hesters Crossing to Greenlawn Blvd.	0.98	45	\$5,584,013
Greenlawn Blvd.	SH 45 to IH 35	1.01	46	\$8,858,682
Mays Street/Oakmont Dr.	Paloma Dr. to University Blvd.	1.26	47	\$14,549,276
Tiger Trail	Buckeye Ln. to A.W. Grimes Blvd.	0.42	48	\$2,891,174
Wyoming Springs Dr.	RM 620 to Arterial C (Proposed Rd.)	0.53	49	\$6,666,077
Wyoming Springs Dr. Extension	Goldenoak Circle to Creek Bend Blvd.	1.04	50	\$12,903,607
Chisholm Trail Rd.	Arterial J (Proposed Rd.) to CR 173	1.33	51	\$17,851,125
Arterial J	Westinghouse Rd. to IH 35 SBFR	1.17	52	\$15,865,885
Creek Bend Blvd.	North of Old Settlers Blvd. to Westinghouse Rd.	2.63	53	\$33,172,203
Bratton Ln.	IH35 FR to Bratton Ln.	0.54	54	\$7,492,685