



Technical Advisory Committee

**November 10, 2021
9:30 a.m.**

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Agenda



Killeen-Temple Metropolitan Planning Organization

Technical Advisory Committee

Wednesday, November 10, 2021

Central Texas Council of Governments Building
2180 North Main Street, Belton, Texas 76513

Hybrid Meeting: 9:30 A.M.

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/756809085>

You can also dial in using your phone.

United States: [+1 \(872\) 240-3212](tel:+18722403212)

Access Code: 756-809-085

AGENDA

1. Call to Order.
2. Opportunity for Public Comment.
3. Staff Update (pgs. 6-8):
 - a) Meeting Schedule;
 - b) FM 2271 Feasibility Study Public Hearing;
 - c) Federal & State Updates;
 - d) Air Quality.
4. **Action Item:** Regarding approval of minutes from the October 13, 2021 meeting (pgs. 10-12).
5. **Discussion and Action Item:** Regarding recommended allocation for additional Category 7 funds made available through the Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA) (pgs. 14-18).
6. **Discussion Item:** Regarding Highway Safety Improvement Program (HSIP) Call - FY23-25 (pg. 20).
7. **Discussion Item:** Regarding the Bell County Habitat Conservation Plan (HCP) (pg. 22).
8. **Discussion Item:** Regarding public input received through October 2021 (pg. 24-26).
9. Member comments.
10. Adjourn.

Item 3:

Staff Update

Staff Update

a) Listed below are the upcoming KTMPPO meetings:

- November 17, 2021 – Transportation Planning Policy Board
- December 1, 2021 – Technical Advisory Committee
- December 7, 2021 – Bicycle Pedestrian Advisory Committee
- December 15, 2021 – Transportation Planning Policy Board

All meetings are scheduled for 9:30am at the Central Texas Council of Governments offices in Belton, Texas, unless otherwise noted (ie – electronic meeting).

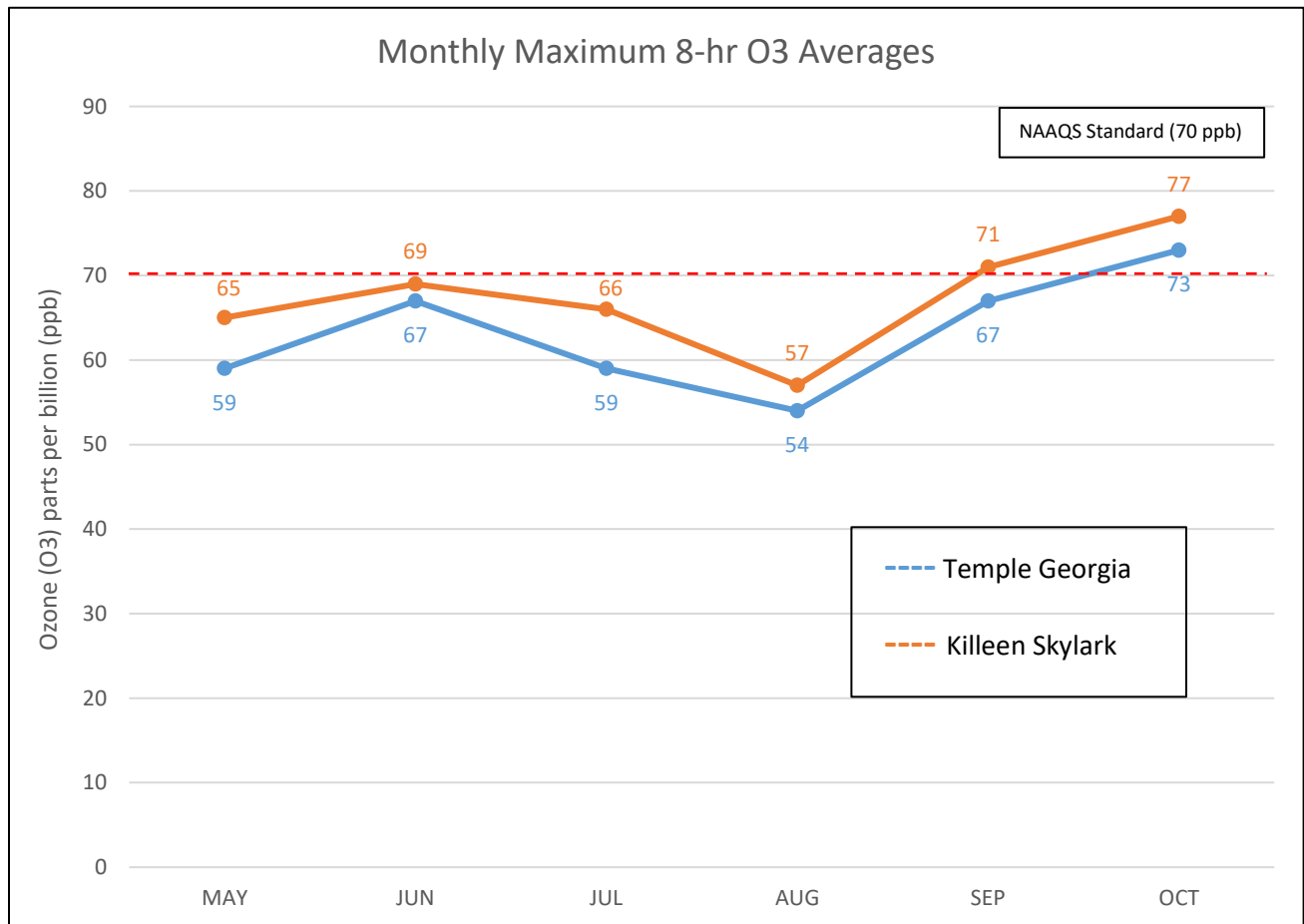
b) FM 2271 Feasibility Study Public Hearing

- A virtual public meeting with an in-person option for the FM 2271 Feasibility Study is scheduled for Monday, November 15th. Additional information can be found [here](#)!

c) Federal and State updates:

- Highway funding extension
 - Congress and President Biden approved another temporary highway funding extension through December 3rd. Congress is still debating a long term infrastructure bill that now needs to be approved by that date for funding to continue.
- Potential Amtrak expansion
 - Amtrak is planning a major expansion of routes across the country by 2035 if the infrastructure bill passes. The proposed expansion includes increased service between Dallas and Austin as well as a new route between Dallas and Houston. Additional information can be found [here](#) and [here](#).
- DOT Climate Action Plan released in August 2021 ([Link](#))
- FHWA/ USDOT Curbside Inventory Report ([Link](#))

d) Air Quality



Compliance with EPA Ozone Standard: 4th Highest Annual Value				3-year average (Calculated on Oct. 9, 2021)
	2019	2020	2021	
Temple	63	64	67	65
Killeen	67	63	70	67

Action Needed: No action needed; for discussion only.

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Item 4:

Meeting Minutes



**KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION (KTMPPO)
TECHNICAL ADVISORY COMMITTEE (TAC)**

Wednesday, October 10, 2021
9:30 AM

Electronic Meeting

Central Texas Council of Governments (CTCOG)
2180 North Main Street
Belton, TX 76513

Technical Advisory Committee Voting Members

Jason Deckman – City of Temple	David Williams for Commissioner Bobby Carroll – Lampasas County
Bob van Til – City of Belton	Christi Bonham for Victor Goebel – TxDOT Waco District
Robert Lewis – City of Copperas Cove	Darrell Burtner – Hill Country Transit District
Kristina Ramirez – City of Harker Heights	
Judge Roger Miller – Coryell County	

Additional Attendees

Debbie Nash-King – City of Killeen	Mario Perez – Fort Hood
Jessica Navarro – City of Nolanville	Janet Sheguit – MRB Group
David Olson – City of Temple	Uryan Nelson – KTMPPO
Dalton Rice – City of Morgan's Point Resort	Kendra Coufal – KTMPPO
Erika Kunkel – TxDOT Waco District	James McGill – KTMPPO
Amanda Mooney – TxDOT Waco District	Dominic Elizondo – CTCOG
Derek Czapnik – HCTD	

Meeting Minutes:

- 1. Call to Order:** Uryan Nelson called the meeting to order at 9:31 a.m.
- 2. Opportunity for Public Comment:** No comments were made by the public.
- 3. Staff Update:** Meeting Schedule; FY22 TPPB Officers; FY22 Task Order Responses; October as Walk to School Month; Federal and State Updates; Air Quality.

Uryan Nelson informed the TAC of upcoming board and advisory committee meetings through November. Mr. Nelson stated that the November meetings would likely be in person due to funding discussions. Mr. Nelson stated that Mayor Spencer Smith and Judge Roger Miller had been elected Policy Board Chair and Vice Chair, respectively for FY22. Mr. Nelson shared that staff had received responses for 3 of the 7 Task Orders sent out and is evaluating those now. Mr. Nelson stated that staff would send out the Task Order Requests no one responded to again in January. Mr. Nelson reminded the group that October was Walk to School Month and shared an update on federal highway stopgap funding. Mr. Nelson informed the

group that some staff attended the 2021 AMPO Conference in Scottsdale and the NARC conference in Galveston. Maximum ozone air quality readings for the month of September were 67 parts per billion (ppb) at the Temple station and 71 ppb at the Killeen station.

4. Action Item: Approve minutes from the September 1, 2021 meeting.

Jason Deckman made a motion to approve the September 1, 2021 meeting minutes, seconded by Darrell Burtner; the motion passed unanimously.

5. Discussion Item: Regarding additional Category 7 funds made available through the Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA).

Uryan Nelson informed the group that additional Category 7 funds through CRRSAA in the amount of \$2.162 million dollars are available to be used by the MPO now. Mr. Nelson stated that his recommendation will be to use the funds for projects currently listed in the TIP and use the funds they replaced to fund new projects not listed in the TIP. Jason Deckman clarified what staff's recommendation is and suggested using the funds for transit. Judge Roger Miller and Darrell Burtner stated that HCTD will also be receiving their own additional funding from CRRSAA. Bob van Til asked to see a spreadsheet showing how the funds would be redistributed.

6. Discussion Item: Regarding Metropolitan Transportation Plan (MTP) Reprioritization feedback and future improvements.

Kendra Coufal stated staff wants to ensure that all comments regarding the MTP Reprioritization process is captured for future cycles. Ms. Coufal noted that comments from the TAC received during the Reprioritization were compiled and listed in the packet. Ms. Coufal stated that staff wanted to provide another opportunity for feedback and welcomed any comments submitted by email.

7. Discussion Item: Regarding update from Hill Country Transit District Urban & Rural Subcommittees.

Darrell Burtner with HCTD provided the TAC a brief overview of Hill Country Transit District's new subcommittees and their function to advise the HCTD Board similar to how the TAC advises the Policy Board.

8. Public input received through September 2021.

Public input received through September 2021 was presented to the TAC. No new comments were submitted since the last meeting.

9. Member Comments:

No member comments.

10. Adjourn: The meeting adjourned at 9:51 a.m.

These meeting minutes were approved by TAC at their _____ meeting.

Uryan Nelson, KTMPO Director

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Item 5:

CRRSAA Additional Cat 7 Funds

Additional Category 7 CRRSAA Funds

The Coronavirus Response and Relief Appropriation Act (CRRSAA) provided additional federal funds for use on highway infrastructure programs. Texas received \$967.7 million, of which \$167.1 million is designated for use in urbanized areas with a population greater than 200,000.

KTMPO received \$2,162,115 from the additional CRRSAA funding which can be utilized on Category 7 projects. The CRRSAA funds must be obligated or let by September 30, 2024 or they will lapse. Once obligated, funds must be spent by September 30, 2029.

Staff recently sent out two proposed funding scenarios for distributing the additional Category 7 dollars based on the approved MTP listing and project selection process.

Action Needed: Recommend approval of proposed funding scenario.

		Scenario D1: Whole Projects + E 6th Ave Long Range							Beginning Balance		\$214,860,000	\$74,282,115	\$4,334,000			FY21-24 TIP Unallocated Cat 2 - \$31,470,000 Cat 7 - \$10,709,956 Cat 9 - \$1,040,767		Additional \$2,162,115 from CRRSAA funds	
									Current TIP Allocations		\$40,800,000	\$13,770,044	\$539,233						
									Cat 7 10% Transit Reservation		\$0	\$2,720,000	\$0						
									Available Balance		\$174,060,000	\$57,792,071	\$3,794,767						
		MPO ID	Priority Rank	Project Name	Project Limits	Project Description	Estimated Cost	Funding Category	Programmed Amount	Let Date	Remaining Category 2	Remaining Category 7	Remaining Category 9	Match Requirements					
Roadway (15)	TIP (6)	W35-01	3	US 190 Bypass	0.6 mi. W of FM 2657 to 0.15 mi. E of Clarke Rd	Widen to 4 In divided highway	\$67,200,000	2	\$30,250,000	2023	\$143,810,000	\$57,792,071	\$3,794,767	80% Federal/ 20% State	\$36.95M from Cat 4 funding				
		T45-18	25	SH 95 Turn Lanes	Barnhard Rd to 3,200 ft S of Barnhard Rd	Add turn lanes on west side	\$1,219,000	2	\$1,219,000	2022	\$142,591,000	\$57,792,071	\$3,794,767	80% Federal/ 20% State					
		N40-03	5	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Upgrade bridge, shared use path	\$1,924,841	7	\$1,539,873	2022	\$142,591,000	\$56,252,198	\$3,794,767	80% Federal/ 20% Local					
		D45-01	7	W Main St/Luther Curtis Rd	Church Ave to 0.4 mi. W of Lee Mays Blvd	Rehabilitate and widen to 2 In + CTL, 12' shared use path	\$3,200,000	7	\$2,560,000	2022	\$142,591,000	\$53,692,198	\$3,794,767	80% Federal/ 20% Local					
		H30-05b	8	Warrior's Path Phase 2	Pontotoc Trace to FM 2410	Add left turn lane, 10' shared use path, 6' sidewalk	\$3,581,020	7	\$2,864,816	2022	\$142,591,000	\$50,827,382	\$3,794,767	80% Federal/ 20% Local					
		S45-01	9	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pavement rehabilitation	\$1,005,200	7	\$804,160	2022	\$142,591,000	\$50,023,222	\$3,794,767	80% Federal/ 20% Local					
	Long Range (9)	W40-04a2	2	Loop 121 Phase 1b	IH-14 to IH-35	Widen 2 In to 4 In with raised median, 10' SUP, 6' sidewalk	\$21,280,000	2	\$21,280,000	2026	\$121,311,000	\$50,023,222	\$3,794,767	80% Federal/ 20% State	\$13,593,000 unfunded Funding estimate from TxC (CSJ 0909-36-175) w/ 12% inflation		Increased \$480,000 from original approval, includes traffic signal. Programmed amount increase \$384,000		
		C45-02	6	SH 9 Offramp	SH 9 to BUS US 190	New construction 1 In direct connector	\$1,960,000	2	\$1,960,000	2025	\$119,351,000	\$50,023,222	\$3,794,767	80% Federal/ 20% State					
		W40-04b	12	Loop 121 Phase 2	IH-35 to FM 436	Widen 2 In to 4 In with raised median, 10' SUP, 6' sidewalk	\$10,080,000	2	\$10,080,000	2029	\$109,271,000	\$50,023,222	\$3,794,767	80% Federal/ 20% State					
		B40-11	13	FM 2271	FM 1670 to FM 439	New construction 2 In, 10' shared use path	\$55,664,000	2	\$55,664,000	2029	\$53,607,000	\$50,023,222	\$3,794,767	80% Federal/ 20% State					
		W30-17	16	FM 93 - Phases 1 and 2	SH 317 to Wheat Rd	Widen from 2 In to 4 In divided, shared use path	\$16,800,000	2	\$16,800,000	2027	\$36,807,000	\$50,023,222	\$3,794,767	80% Federal/ 20% State					
		W35-07	20	Loop 363	Lucius McCelvey Dr to Industrial Blvd	Expand to 4 In, intersections @ Lucius McCelvey & Industrial	\$50,400,000	2	\$36,807,000	2028	\$0	\$50,023,222	\$3,794,767	80% Federal/ 20% State					
		K30-13a	1	Chaparral Rd Phase 1	SH 195 to E Trimmer Rd	Widen from 2 In to 4 In, 8' bike In 5' sidewalk or SUP both sides	\$12,880,000	7	\$10,304,000	2025	\$0	\$39,719,222	\$3,794,767	80% Federal/ 20% Local					
		T40-07b	4	Outer Loop West Phase 2	Riverside Trail to IH-35 Frontage Rd	Widen and new construction 4 In, trail	\$28,000,000	7	\$22,400,000	2025	\$0	\$17,319,222	\$3,794,767	80% Federal/ 20% Local					
	C45-04	10	W Avenue B Phase 1	N 1st St to Courtney Ln	Widen to consistent 4 CLT, 11' shared use path, 6' sidewalk	\$8,982,400	7	\$7,185,920	2025	\$0	\$10,133,302	\$3,794,767	80% Federal/ 20% Local						
Livability (7)	TIP (3)	K45-03	1	W Rancier Ave	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	\$3,240,000	7	\$2,592,000	2024	\$0	\$7,541,302	\$3,794,767	80% Federal/ 20% Local	Reduced \$242,046 for S45-01 \$975,153 from Cat 7 \$476,497 from Cat 9 Reduced \$148,350 to fund S45-01		\$242,046 added back with new Cat 7 dollars \$148,350 added back with new Cat 7 dollars \$1,123,503 from Cat 7 now		
		T40-13a	3	Georgetown Railroad Trail Phase 1	S 31st St (FM 1741) to 200 ft E of S 5th St	Construct 10 ft wide hike/bike trail	\$2,000,000	7,9	\$1,600,000	2022	\$0	\$6,417,799	\$3,318,270	80% Federal/ 20% Local					
		N40-05	4	FM 439 Spur Connectivity	Main St to North Dr	Construct 10' wide sidewalk, ADA ramps and crosswalks, improve shoulders at Main St	\$705,337	9	\$564,270	2022	\$0	\$6,417,799	\$2,754,000	80% Federal/ 20% Local					
	Long Range (4)	B45-02	2	E 6th Ave Sidewalk	Main St (SH 317) to IH-35 frontage road	Construct 5' sidewalks on both sides, relocate dry utilities underground, and other utilities outside of pavement	\$12,320,000	7	\$3,880,292	2022	\$0	\$2,537,507	\$2,754,000	80% Federal/ 20% Local	Project taking funds from B45-05, B45-07, and B45-04 - shortfall of \$113,293		Adds remainig \$1,387,719 from additional Cat 7 funds		
		S45-03	5	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible concrete sidewalks.	\$647,024	7	\$517,619	2024	\$0	\$2,019,888	\$2,754,000	80% Federal/ 20% Local					
		K45-04	8	Veterans Memorial Blvd	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	\$3,360,000	7,9	\$2,688,000	2025	\$0	\$0	\$2,085,888	80% Federal/ 20% Local					
		T40-13b	9	Georgetown Railroad Trail Phase 2	Leon River to S 31st St (FM 1741)	Construct 10 ft wide hike/bike trail	\$2,607,360	9	\$2,085,888	2025	\$0	\$0	\$0	80% Federal/ 20% Local					

Scenario C2b: TPPB Approved														Beginning Balance		\$214,860,000	\$72,120,000	\$4,334,000		FY21-24 TIP Unallocated Cat 2 - \$31,470,000 Cat 7 - \$10,709,956 Cat 9 - \$1,040,767
														Current TIP Allocations		\$40,800,000	\$13,770,044	\$539,233		
														Cat 7 10% Transit Reservation		\$0	\$2,720,000	\$0		
														Available Balance		\$174,060,000	\$55,629,956	\$3,794,767		
														Programmed Amount	Let Date	Remaining Category 2	Remaining Category 7	Remaining Category 9	Match Requirements	
MPO ID	Priority Rank	Project Name	Project Limits	Project Description	Estimated Cost	Funding Category														
Roadway (15)	TIP (6)	W35-01	3	US 190 Bypass	0.6 mi. W of FM 2657 to 0.15 mi. E of Clarke Rd	Widen to 4 In divided highway	\$67,200,000	2	\$30,250,000	2023	\$143,810,000	\$55,629,956	\$3,794,767	80% Federal/20% State	\$36.95M from Cat 4 funding					
		T45-18	25	SH 95 Turn Lanes	Barnhard Rd to 3,200 ft S of Barnhard Rd	Add turn lanes on west side	\$1,219,000	2	\$1,219,000	2022	\$142,591,000	\$55,629,956	\$3,794,767	80% Federal/20% State						
		N40-03	5	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Upgrade bridge, shared use path	\$1,924,841	7	\$1,539,873	2022	\$142,591,000	\$54,090,083	\$3,794,767	80% Federal/20% Local						
		D45-01	7	W Main St/Luther Curtis Rd	Church Ave to 0.4 mi. W of Lee Mays Blvd	Rehabilitate and widen to 2 In + CTL, 12' shared use path	\$3,200,000	7	\$2,560,000	2022	\$142,591,000	\$51,530,083	\$3,794,767	80% Federal/20% Local						
		H30-05b	8	Warrior's Path Phase 2	Pontotoc Trace to FM 2410	Add left turn lane, 10' shared use path, 6' sidewalk	\$3,101,020	7	\$2,480,816	2022	\$142,591,000	\$49,049,267	\$3,794,767	80% Federal/20% Local						Funding estimate from Harker Heights
		S45-01	9	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pavement rehabilitation	\$1,005,200	7	\$804,160	2022	\$142,591,000	\$48,245,107	\$3,794,767	80% Federal/20% Local						
	Long Range (9)	W40-04a2	2	Loop 121 Phase 1b	IH-14 to IH-35	Widen 2 In to 4 In with raised median, 10' SUP, 6' sidewalk	\$21,280,000	2	\$21,280,000	2026	\$121,311,000	\$48,245,107	\$3,794,767	80% Federal/20% State	\$13,593,000 unfunded Funding estimate from TxC (CSJ 0909-36-175) w/ 12% inflation					
		C45-02	6	SH 9 Offramp	SH 9 to BUS US 190	New construction 1 In direct connector	\$1,960,000	2	\$1,960,000	2025	\$119,351,000	\$48,245,107	\$3,794,767	80% Federal/20% State						
		W40-04b	12	Loop 121 Phase 2	IH-35 to FM 436	Widen 2 In to 4 In with raised median, 10' SUP, 6' sidewalk	\$10,080,000	2	\$10,080,000	2029	\$109,271,000	\$48,245,107	\$3,794,767	80% Federal/20% State						
		B40-11	13	FM 2271	FM 1670 to FM 439	New construction 2 In, 10' shared use path	\$55,664,000	2	\$55,664,000	2029	\$53,607,000	\$48,245,107	\$3,794,767	80% Federal/20% State						
		W30-17	16	FM 93 - Phases 1 and 2	SH 317 to Wheat Rd	Widen from 2 In to 4 In divided, shared use path	\$16,800,000	2	\$16,800,000	2027	\$36,807,000	\$48,245,107	\$3,794,767	80% Federal/20% State						
		W35-07	20	Loop 363	Lucius McCelvey Dr to Industrial Blvd	Expand to 4 In, intersections @ Lucius McCelvey & Industrial	\$50,400,000	2	\$36,807,000	2028	\$0	\$48,245,107	\$3,794,767	80% Federal/20% State						
		K30-13a	1	Chaparral Rd Phase 1	SH 195 to E Trimmier Rd	Widen from 2 In to 4 In, 8' bike In 5' sidewalk or SUP both sides	\$12,880,000	7	\$10,304,000	2025	\$0	\$37,941,107	\$3,794,767	80% Federal/20% Local						
		T40-07b	4	Outer Loop West Phase 2	Riverside Trail to IH-35 Frontage Rd	Widen and new construction 4 In, trail	\$28,000,000	7	\$22,400,000	2025	\$0	\$15,541,107	\$3,794,767	80% Federal/20% Local						
		C45-04	10	W Avenue B Phase 1	N 1st St to Courtney Ln	Widen to consistent 4 CLT, 11' shared use path, 6' sidewalk	\$8,982,400	7	\$7,185,920	2025	\$0	\$8,355,187	\$3,794,767	80% Federal/20% Local						
Livability (7)	TIP (3)	K45-03	1	W Rancier Ave	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	\$3,240,000	7	\$2,349,954	2024	\$0	\$6,005,233	\$3,794,767	80% Federal/20% Local	Reduced \$242,046 for S45-01 \$975,153 from Cat 7 \$476,497 from Cat 9 Reduced \$148,350 to fund S45-01					
		T40-13a	3	Georgetown Railroad Trail Phase 1	S 31st St (FM 1741) to 200 ft E of S 5th St	Construct 10 ft wide hike/bike trail	\$2,000,000	7,9	\$1,451,650	2022	\$0	\$5,030,080	\$3,318,270	80% Federal/20% Local						
		N40-05	4	FM 439 Spur Connectivity	Main St to North Dr	Construct 10' wide sidewalk, ADA ramps and crosswalks, improve shoulders at Main St	\$705,337	9	\$564,270	2022	\$0	\$5,030,080	\$2,754,000	80% Federal/20% Local						
	Long Range (4)	B45-02	2	E 6th Ave Sidewalk	Main St (SH 317) to IH-35 frontage road	Construct 5' sidewalks on both sides, relocate dry utilities underground, and other utilities outside of pavement	\$12,320,000	7	\$2,492,573	2022	\$0	\$2,537,507	\$2,754,000	80% Federal/20% Local	Project taking funds from B45-05, B45-07, and B45-04 - shortfall of \$113,293					
		S45-03	5	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible concrete sidewalks.	\$647,024	7	\$517,619	2024	\$0	\$2,019,888	\$2,754,000	80% Federal/20% Local						
		K45-04	8	Veterans Memorial Blvd	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	\$3,360,000	7,9	\$2,688,000	2025	\$0	\$0	\$2,085,888	80% Federal/20% Local						
		T40-13b	9	Georgetown Railroad Trail Phase 2	Leon River to S 31st St (FM 1741)	Construct 10 ft wide hike/bike trail	\$2,607,360	9	\$2,085,888	2025	\$0	\$0	\$0	80% Federal/20% Local						\$2,019,888 from Cat 7 \$668,112 from cat 9

Notes:

- 22 projects funded; 9 projects in TIP; Cat 7 expended on Roadway first and Livability second.
- Belton and Copperas Cove do not have a project added to the TIP. Belton and Copperas Cove already have existing projects listed in the TIP.
- Temple and Killeen agreed to take approximately 9.3% less for projects K45-01 and T40-13a to help fund S45-01.
- Belton agreed to substitute project B45-02 for projects B45-05, B45-7, and B45-04 (programmed amounts minus the \$113,293 short in approved scenario. Their project moves to the top of the long range funding list due to it being the number 2 livability project.

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Item 6:

TxDOT FY23-25 HSIP Call

Update

FY23-25 Highway Safety Improvement Program (HSIP) Call for Projects Update

The Texas Transportation Commission on May 30, 2019 adopted the “Road to Zero” mission. The overall goal is to reduce fatalities by half in 2035 and eliminate fatalities on Texas roads by 2050. A major component of the “Road to Zero” mission is the Texas Strategic Highway Safety Plan (SHSP) which details specific actions to be taken that will make Texas roads safer. [Click here](#) to view the 2017-2022 SHSP.

Last month, the Waco District held a project call for their Category 8 - Highway Safety Improvement Program (HSIP). Approximately \$2.3 million in Category 8 Safety funds are available for these projects. Program funds are eligible to cover 90% of project construction cost, with the other 10% covered by local participation.

TxDOT will provide a brief update on the results of the call and the upcoming timeline.

Action Needed: No action needed; for discussion only.



WRONG
WAY

BE SAFE. DRIVE SMART.

HSIP Program Updates

Waco District FY 23-25

November 10, 2021



- *“The Highway Safety Improvement Program (HSIP) is a core Federal-aid program with the purpose to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non-State-owned roads. The HSIP requires a data-driven, strategic approach to improving highway safety on all public roads with a focus on performance.”*
- Federally-funded, State-administered
- Establish annual safety performance targets for five measures
- If a State doesn't meet performance targets additional annual reporting requirements

Legislated under Section 148 of Title 23, United States Code (23.U.S.C 148) and regulated under Part 924 of Title 23, Code of Federal Regulation (23 CFR Part 924)



- Consider the following when selecting HSIP projects:
 - Is the strategy, activity, or project consistent with the priorities of Texas' SHSP?
 - Does the project address a serious crash risk such as a hot spot, systemic risk factor, road segment, or crash type that has been identified through a data driven process?
 - Is the project likely to contribute to a significant reduction in fatalities and serious injuries?
 - Is this project consistent with the District Safety Plan?

Emphasis Areas from the SHSP

- Distracted Driving
- Impaired Driving
- Intersection Safety
- Older Road Users
- Pedestrian Safety
- Roadway and Lane Departures
- Speeding



- Program funds are eligible to cover 90% of project construction costs.
- Local participation must cover the remaining 10% of project construction cost.
- Excluded cost not covered by HSIP funds include:
 - Design/engineering cost
 - Environmental permits
 - Right of Way (ROW)
 - Additional contingencies
 - Additional work not covered by the scope of approved safety countermeasures



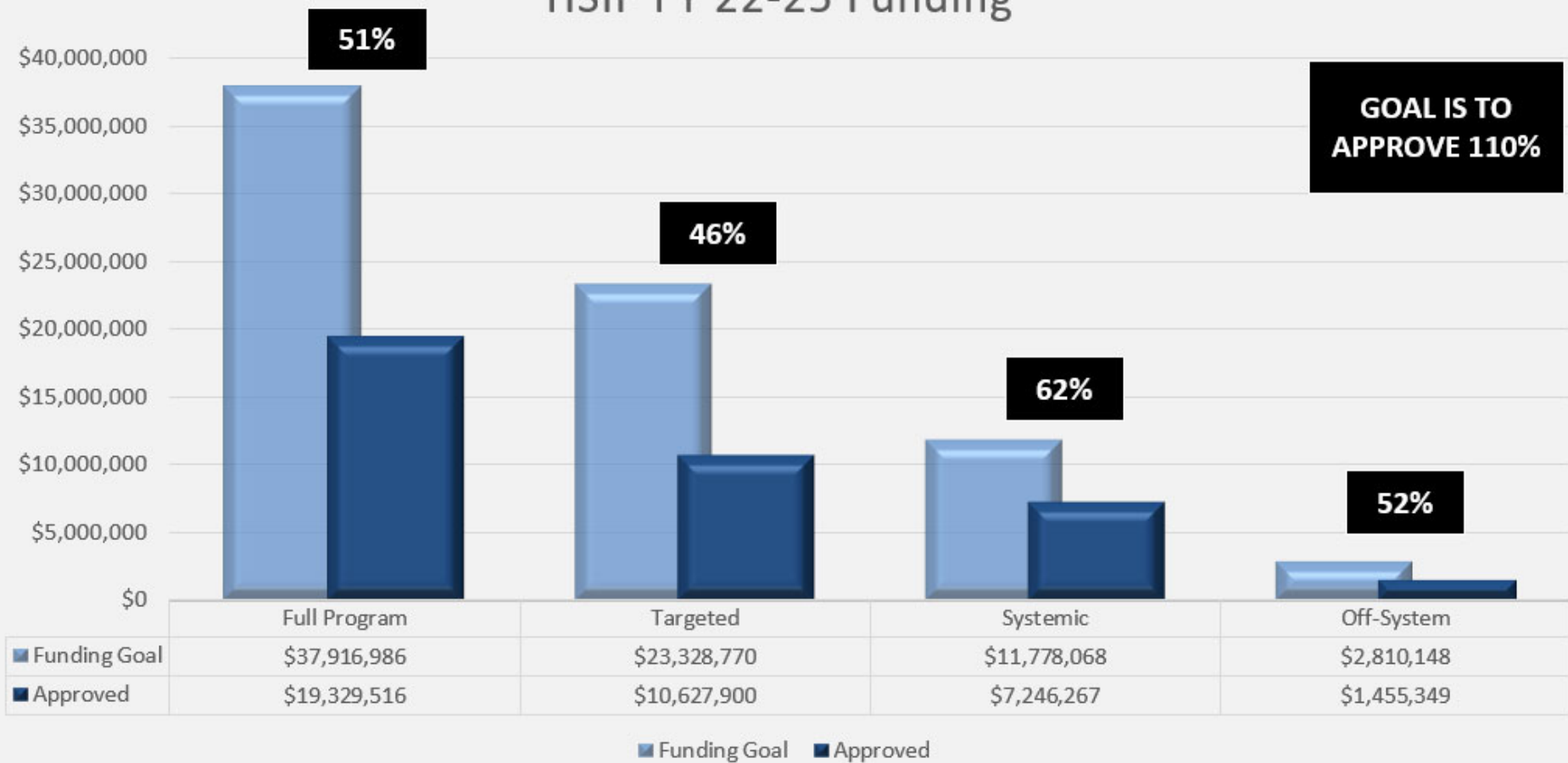
Increased Federal Share (G-Match)

- Many countermeasures (work codes) have been designated as eligible to be considered for increased federal share (100% federal funds) for off-system projects.
- A project is not guaranteed the increased share until TxDOT's Traffic Division and Finance Division has reviewed and approved the project.

Program Funding Cont.



HSIP FY 22-25 Funding



Timeline



Agenda Item	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
2021 HSIP Program Announced 9/2/21					▲						
Local Government Submittals Due 10/12/21											
District FY22-25 Submittals Due 12/17/21											
Project Selections confirmed by 3/1/22											



<https://www.txdot.gov/inside-txdot/forms-publications/publications/highway-safety.html>

Highway Safety Engineering

[Texas Department of Transportation](#) > [Inside TxDOT](#) > [Forms & Publications](#)

Highway Safety Engineering uses crash data to research, design and implement projects that save lives and reduce the number of crashes on Texas roadways. Key initiatives include the [Strategic Highway Safety Plan \(SHSP\)](#), Highway Safety Improvement Program (HSIP) and the Systemic Widening Program (SSWP). The materials listed below support these initiatives.

2021 HSIP Program

Format

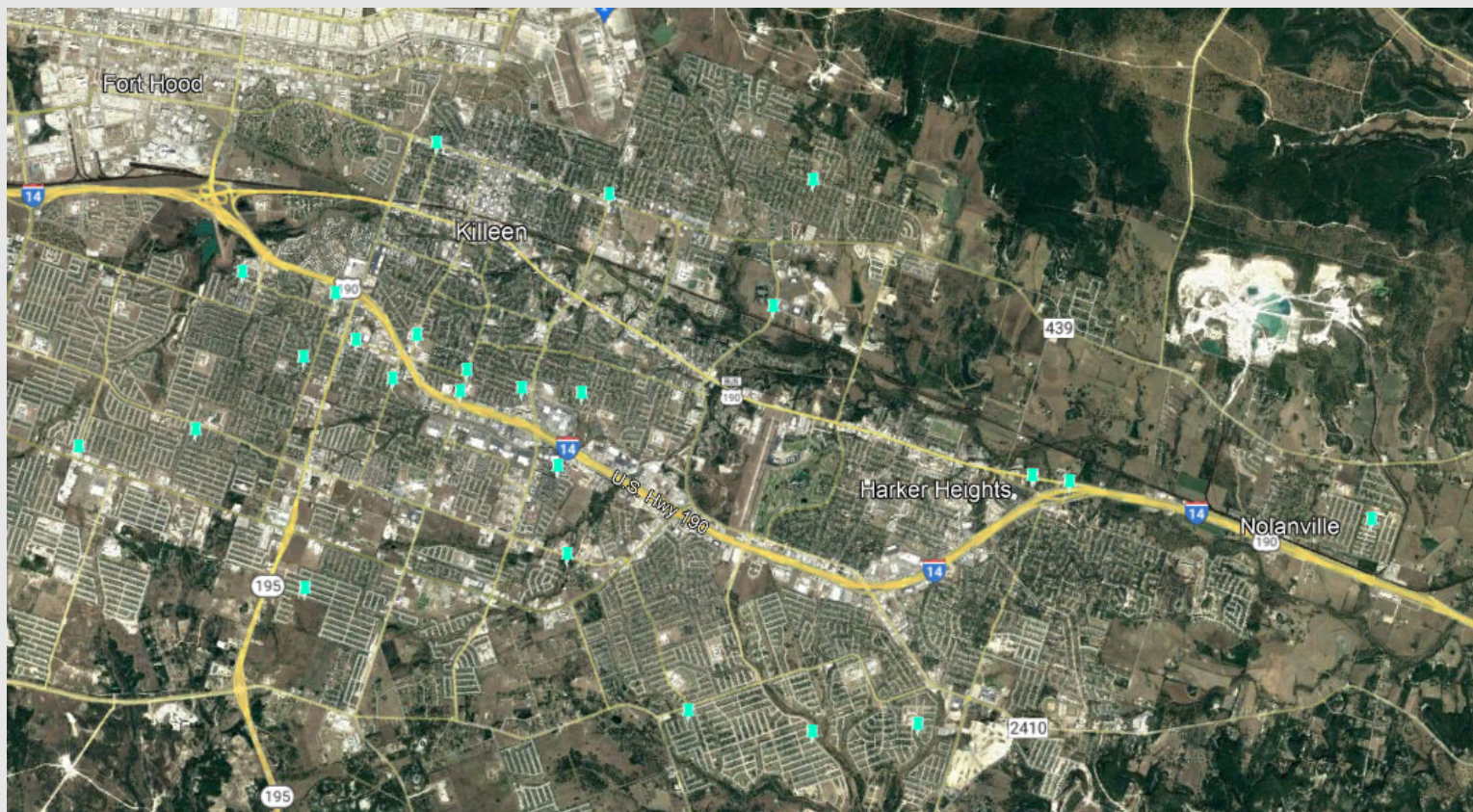
2021 HSIP Guidance Program



2021 SII Calculator



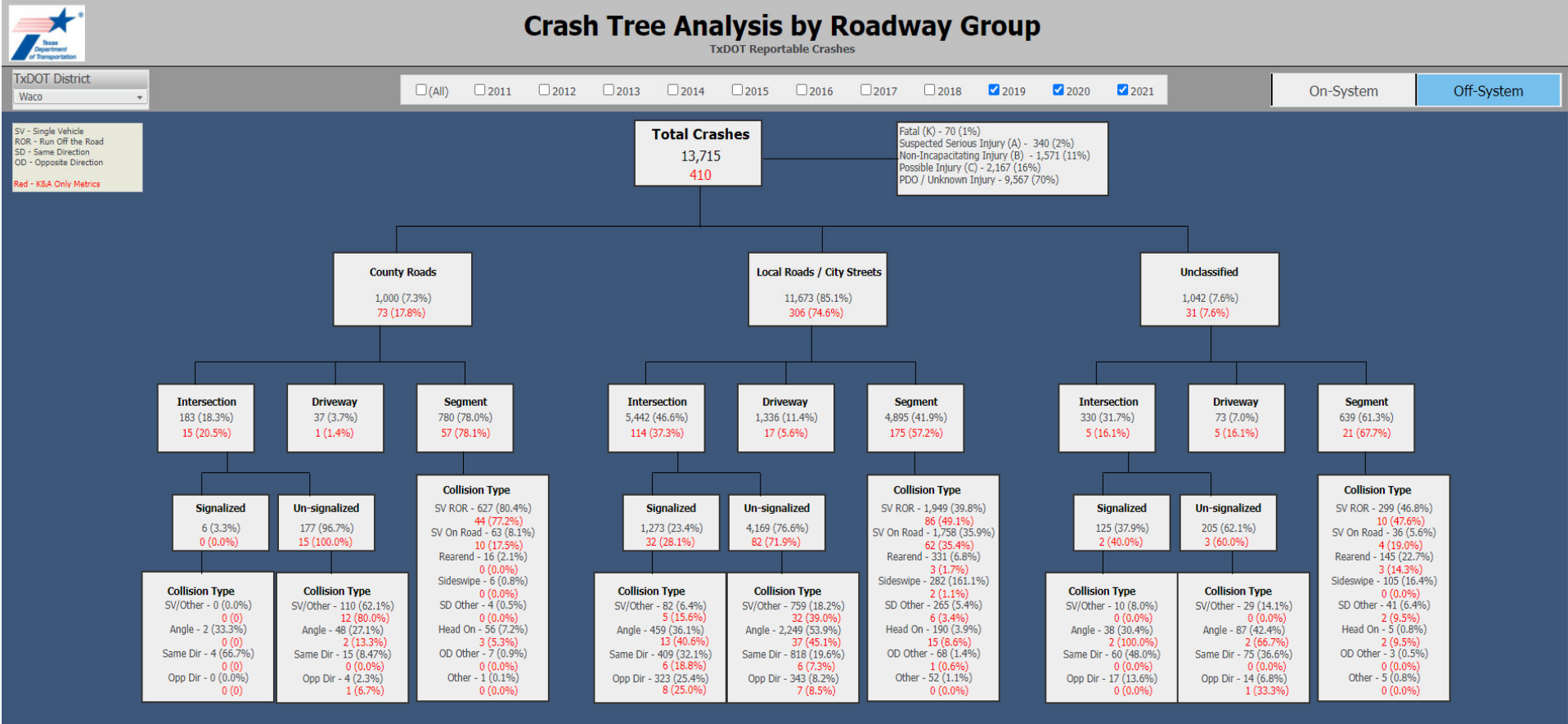
- Computer Aided Visualization (CAVS) Data
 - Developed by TTI, the CAVS data enhances the process of selecting safety projects.



407- Install
Sidewalk

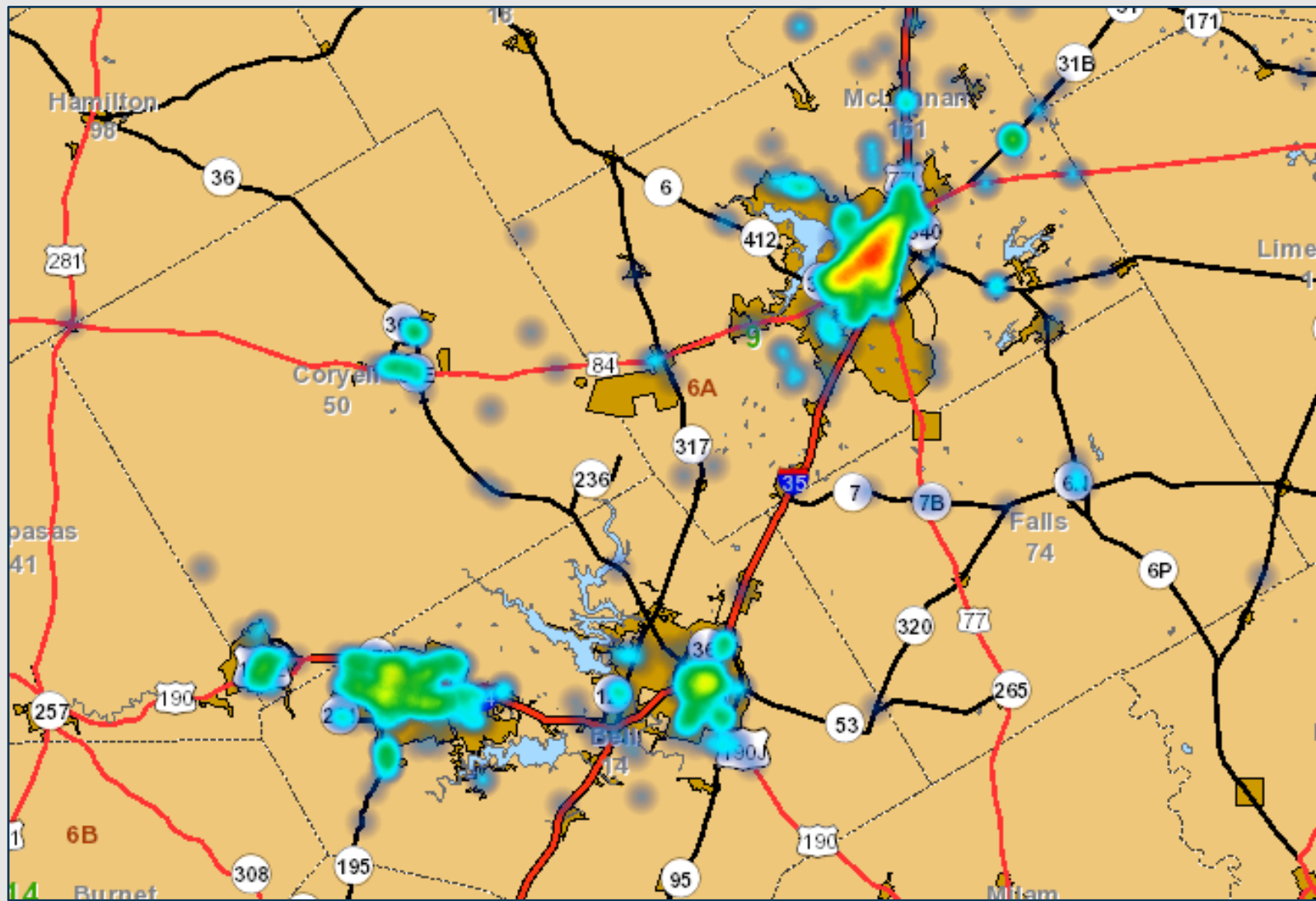


Comprehensive Dashboard / Crash Trees





- KA Intersection Heat Map





Questions?

**** Please reach out if your entity would like additional assistance on HSIP or Tools****

Lauren Wolf
Lauren.Wolf@txdot.gov
254-867-2833

#EndTheStreakTX
End the streak of daily deaths on Texas roadways.

Item 7:

**Bell County Habitat
Conservation Plan (HCP)**

Habitat Conservation Plan (HCP) Update

At the October Policy Board meeting, Judge Roger Miller informed the group that Bell County was starting to develop a Habitat Conservation Plan (HCP) with the assistance of Coryell County. The development of this plan has the potential to impact transportation projects in the KTMPO region.

KTMPO is considering participating in the development and financing of the HCP. Judge Miller will provide a brief presentation on the HCP development and potential effects of endangered species on our transportation projects.

Action Needed: No action needed; for discussion only.

Item 8:

Public Input

Public Input Received

KTMPO has been collecting public comments received online, via emails, public hearings, meetings, social media accounts, web maps and other forms of communication. Staff bring these to the TAC and TPPB on a regular basis to ensure the MPO boards are aware of public concerns and have the opportunity to respond accordingly. Public input received through the previous month is included in meeting packet.

Action Needed: No action needed; for discussion only.



KTMP Public Comments

FY22

Date	Name	Means of Public Comment	Public Comment	Date Comment Was Presented to TAC	Public Comment Topic	Jurisdiction

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Grant Opportunities

- **FY2021 Route Planning Restoration Program:**

Deadline: November 15, 2021

Federal Transportation Administration (FTA):

The Route Planning Restoration Program provides funds under ARPA for public transportation planning associated with the restoration of transit service reduced due to the Covid-19 pandemic. FTA will award grants to undertake transit route planning activities designed to increase ridership and reduce travel times, while expanding the total level of vehicle revenue miles of service provided or increase the quality or frequency of service provided to underserved riders and disadvantaged communities. More information can be found at the below website.

Estimated Funding Available: \$25,000,000

Match: 0% (funding is fully federal)

[Click Here](#) for more information!

- **Grants for Buses and Bus Facilities FY2021:**

Deadline November 19, 2021

Federal Transit Administration (FTA):

The purpose of the Grants for Buses and Bus Facilities Program is to assist in the financing of buses and bus facilities capital projects, including replacing, rehabilitating, purchasing, or leasing buses or related equipment, and rehabilitating, purchasing, constructing, or leasing bus-related facilities. Additionally, recipients are permitted to use up to 0.5 percent of their requested grant award for eligible workforce development activities eligible and an additional 0.5 percent for costs associated with training at the National Transit Institute.

Estimated Funding Available: \$409,590,000

Award Ceiling: \$40,950,000

[Click Here](#) for more information!

- **Innovative Coordinated Access and Mobility Pilot Program (ICAM):**

Deadline December 6, 2021

Federal Transit Administration (FTA):

The ICAM pilot program awards funds to help finance innovative capital projects for the transportation-disadvantaged, with the goal to improve the coordination of transportation services and non-emergency medical transportation services for underserved groups. Eligible applicants are State departments of transportation, designated recipients for Section 5310 funds, or local governmental entities that operate a public transportation service, or their eligible subrecipients that have the authority and technical capacity to implement a regional or statewide cost allocation pilot.

Estimated Funding Available: \$3,500,000

Match: 80% Federal / 20% Local

[Click Here](#) for more information!

Websites:

Grants.Gov: <https://www.grants.gov/>

TxDOT: <https://www.txdot.gov/government/funding.html>

USDOT: <https://www.transportation.gov/grants>

FTA: <https://www.transit.dot.gov/funding/grants/grant-programs>

TERP: <https://www.tceq.texas.gov/airquality/terp>

KTMPO Contacts, Acronyms, and Terms

Chairman:

Mayor Spencer Smith

City of Harker Heights
305 Miller's Crossing, Harker Heights, TX 76548
Phone: (254) 953-5600
Fax: (254) 953-5605
shsmith@harkerheights.gov
Alternate: David Mitchell, Kristina Ramirez

Vice Chairman:

Judge Roger Miller

Coryell County Main Street Annex
800 E. Main Street, Suite A
Gatesville, TX 76528
Phone: (254) 865-5911, ext. 2222
Fax: (254) 865-2040
countyjudge@coryellcounty.org
Alternate:

Mayor Bradi Diaz

City of Copperas Cove
PO Drawer 1449; 914 S. Main St., Ste. C
Copperas Cove, TX 76522
Phone: (254) 547-4221
bdiaz@copperascovetx.gov
Alternate: Ryan Haverlah, Dan Yancey, Bobby Lewis

Mayor Tim Davis

City of Temple
2 North Main #103, Temple TX 76501
Phone: (254) 298-5301
Fax: (254) 298-5637
tdavis@templetx.gov
Alternate: Brynn Myers, Lynn Barrett, Brian Chandler, Jason Deckman, Erin Smith, David Olson

Councilmember Susan Long

City of Temple
2 North Main St., STE 103
Temple, TX 76501
Phone: (254) 774-5700
susan.long@templetx.gov
Alternate: Erin Smith, Brynn Myers, Jason Deckman, David Olson, Lynn Barrett, Brian Chandler

Mayor Jose Segarra

City of Killeen
101 N. College Street
Killeen, Texas 76540
mayor@killeentexas.gov
Phone: (254) 290-0548
Alternate: Kent Cagle, Danielle Singh

Councilmember Ken Wilkerson

City of Killeen
101 N. College Street
Killeen, TX 76540
Phone: (254) 290-0052
kwilkerson@killeentexas.gov
Alternate:

Councilmember Debbie Nash-King

City of Killeen
101 N. College Street
Killeen, TX 76540
Phone: (254) 290-4510
dnash-king@killeentexas.gov
Alternate: Jimmy Towers

Councilmember David Leigh

City of Belton
333 Water Street, Belton, TX 76513
Phone: (254) 933-1000
dkleigh@beltontexas.gov
Alternate: Sam Listi, Bob Van Til

Judge David Blackburn

Bell County Historic Courthouse
101 E. Central Avenue
Belton, Texas 76513
Phone: (254) 933-5105
Fax: (254) 933-5179
David.blackburn@bellcounty.texas.gov
Alternate: Bobby Whitson

Commissioner Bobby Carroll

Lampasas County
409 S Pecan St. Ste 207
Lampasas, TX 76550
Phone: (512) 734-1860
bobbycarroll49@yahoo.com
Alternate: David Williams

Darrell Burtner

Director of Urban Operations,
Hill Country Transit District
4515 W US 190, Belton, TX 76513
Phone: (254) 933-3700
dburtner@takethehop.com
Alternate: Derek Czapnik

Stan Swiatek, P.E.

District Engineer, TxDOT Waco
100 S. Loop Drive
Waco, TX 76704
Phone: (254) 867-2700
Fax: (254) 867-2890
Stan.swiatek@txdot.gov
Alternate: Victor Goebel, Brenton Lane

Elias Rmeili, P.E.

TxDOT Brownwood District Engineer
2495 Hwy 183 North
Brownwood, TX 76802
Phone: (325) 643-0411
Fax: (325) 643-0364
elias.rmeili@txdot.gov
Alternate: Jason Scantling

NON VOTING MEMBERS

Brian Dosa

Ft. Hood Public Works Director
Building 4612
Fort Hood, TX 76544
Phone: (254) 287-2113
brian.l.dosa.civ@army.mil
Alternate: Kristina Manning

Justin P. Morgan

Federal Highway Administration, Texas Division
300 East 8th Street, Rm 826
Austin, Texas 78701
(512) 536-5943
Justin.morgan@dot.gov

TECHNICAL ADVISORY COMMITTEE

Kent Cagle

Killeen City Manager
101 N. College St., Killeen, TX, 76541
Phone: (254) 501-7700
kcagle@killeentexas.gov
Alternate: Tony McIlwain, Danielle Singh

Robert Lewis

Copperas Cove Planning Director
P.O. Drawer 1449
Copperas Cove, TX 76522
Phone: (254) 547-4221
rlewis@copperascovetx.gov
Alternate: Ryan Haverlah

Kristina Ramirez

Harker Heights Planning Director
305 Miller's Crossing
Harker Heights, TX 76548
Phone: (254) 953-5663
kramirez@harkerheights.gov
Alternate: David Mitchell

Bob van Til

Belton Planning Director
333 Water St., Belton, TX 76513
Phone: (254) 933-5813
bvantil@beltontexas.gov
Alternate: Sam Listi

Jason Deckman

Temple Senior Planner
2 North Main, Temple, TX 76501
Phone: (254) 298-5668
bchandler@templetx.gov
Alternate: Don Bond, Lynn Barrett, Brynn Myers, Brian Chandler, Erin Smith, David Olson

Bryan Neaves, P.E.

Bell County Engineer
P. O. Box 264, Belton, TX 76513
Phone: (254) 933-5275
bryan.neaves@bellcounty.texas.gov
Alternate: Malcolm Miller

Judge Roger Miller

Coryell County Main Street Annex
800 E. Main Street, Suite A
Gatesville, TX 76528
Phone: (254) 865-5911, ext. 2221
Fax: (254) 865-2040
countyjudge@coryellcounty.org
Alternate:

Commissioner Bobby Carroll

Lampasas County
409 S Pecan St. Ste 207
Lampasas, TX 76550
Phone: (512) 734-1860
bobbycarroll49@yahoo.com
Alternate: David Williams

Victor Goebel, P.E.

Director, Transportation Planning & Development, TxDOT Waco
100 South Loop Drive,
Waco TX 76704-2858
Phone: 254-867-2873
Fax: 254-867-2738
victor.goebel@txdot.gov
Alternate: Christi Bonham, Brenton Lane

Jason Scantling, P.E.

Director, Transportation Planning & Development, TxDOT Brownwood
2495 Hwy 183 North, Brownwood, TX 76802
Phone: 325-643-0411
Fax: 325-643-0364
jason.scantling@txdot.gov
Alternate:

Darrell Burtner

Director of Urban Operations,
Hill Country Transit District
4515 W US 190, Belton, TX 76513
Phone: (254) 933-3700
dburtner@takethehop.com
Alternate: Derek Czapnik

NON VOTING MEMBERS

Brian Dosa

Ft. Hood Public Works Director
Building 4612
Fort Hood, TX 76544
Phone: (254) 287-2113
brian.l.dosa.civ@army.mil

Justin P. Morgan

Federal Highway Administration,
Texas Division
300 East 8th Street, Rm 826
Austin, TX 75093
justin.morgan@dot.gov

Brigida Gonzalez

TxDOT TPP
MPO Coordinator
118 E. Riverside Dr.
Austin, TX 78704
Phone: (512) 486-5048
brigida.gonzalez@txdot.gov

Christi Bonham

TxDOT Waco District
Transportation Planner
100 South Loop Drive, Waco TX 76704-2858
Phone: (254) 867-2751
Fax: (254) 867-2738
christi.bonham@txdot.gov

Stephen Kasberg

TxDOT Waco District/Bell County
Area Engineer
410 West Loop 121
Belton, TX 76513
Phone: (254) 939-3778
stephen.kasberg@txdot.gov

Kara Escajeda

Nolanville City Manager
101 North 5th Street
Nolanville, TX 76559
Phone: (254) 698-6335
kescajeda@nolanvilletx.us

**Chair Jason Deckman**

Temple Senior Planner - Transportation
Phone: (254) 298-5668
2 North Main Street, Temple, TX 76501
Email: jdeckman@templetx.gov
Alternate: Brian Chandler, Kelly Atkinson

Vice Chair Matt Bates

Belton Park and Recreation Director
Phone: (254) 317-0687
P.O. Box 120
401 N Alexander, Belton, TX 76513
Email: mbates@beltontexas.gov

Kara Escajeda

Nolanville City Manager
Phone: (254) 317-5004
101 North 5th Street, Nolanville, TX 76559
Email: kescajeda@nolanvillex.us

Yvonne Spell

Harker Heights Senior Planner
Phone: (254) 953-5643
305 Miller's Crossing, Harker Heights, TX 76548
Email: yspell@harkerheights.gov

Heather Buller

Killeen Assistant Director of Recreation Services
Phone: (254) 501-8841
2201 E Veterans Memorial Blvd, Killeen, TX 76543
Email: hbuller@killeentexas.gov

Jeff Stoddard

Copperas Cove Parks & Recreation Director
Phone: (254) 542-2719
1206 W Ave B, Copperas Cove, Texas 76522
Email: jstoddard@copperascovetx.gov

Erika Kunkel

TxDOT Waco District
Phone: (254) 867-2728
100 S. Loop Drive, Waco, TX 76704
Email: Erika.Kunkel@txdot.gov

BICYCLE/PEDESTRIAN ADVISORY COMMITTEE**Gene Roberts**

Ft. Hood
Phone: (254) 458-6678
Email: edward.e.roberts4.civ@army.mil

Pamela Terry

Citizen Representative
Email: plterry1@yahoo.com

Carlos Santiago

Fort Hood Riders and Roadkill Cycling Club Representative
Phone: (720) 521-2653
Email: cl.santiago_83@yahoo.com

Keller Matthews

BS&W Cycling Club/Citizen Representative
600 S 25th St, Temple, TX
Email: kellbiker@gmail.com

John Wiist

King of the Mountain Cyclery
Phone: (254) 444-0566
100 A North Main St, Nolanville, TX 76559
Email: 1komjohn@gmail.com

Chad Welch

Tri-City Bicycles/Citizen Representative
112 N East St, Belton, TX 76513
Email: welchc01@live.com
Alternate: Mike Anderson

Mike Anderson

Tri-City Bicycles/Citizen Alternate
Email: mikeande@att.net

FREIGHT ADVISORY COMMITTEE

Liz Bullock

Transportation Planner
TxDOT Waco District
100 South Loop Drive,
Waco TX 76704-2858
Phone: (254) 867-2751
Fax: (254) 867-2738
liz.bullock@txdot.gov

Raul Amado

SVP Logistics
Baylor Scott and White
2401 S. 31st St,
Temple, TX 76508
Phone: (254) 724-6605
ramado@sw.org

Tiffany Melvin

President, NASCO
4347 W. Northwest Hwy,
Suite 130-250
Dallas, TX 75220
Phone: (214) 744-1042
tiffany@nasconetwork.com

Judge David Blackburn

County Judge
Bell County
101 E. Central Avenue
Belton, TX 76513
Phone: (254) 933-5105
davidblackburn@bellcounty.texas.gov

Kara Escajeda

City Manager
City of Nolanville
101 N. 5th St
Nolanville, TX 76559
Phone: (254) 698-6335
Kara.escajeda@ci.nolanville.tx.us

Don Bond

Director of Public Works
City of Temple
3210 E. Ave H,
Bldg. A, Ste. 107
Temple, TX 76501
Phone: (254) 298-5621
dbond@templetx.gov

David A. Olson

Assistant City Manager
City of Temple
2 N. Main Street
Suite #306
Temple, TX 76501
Phone: (254) 298-5600
dolson@templetx.gov

Georgi Ann Jasenovec

Freight Operations and Int'l Border
FHWA—TX Division
300 E. 8th St.
Austin, TX 78701
Phone: (512) 536-5921
Georgi.jasenovec@dot.gov

Sondra D. Johnson

Transportation Planner—Freight
TxDOT
125 E. 11 St.
Austin, TX 78701
Phone: (512) 936-0922
Sondra.johnson@txdot.gov

Keith Fruge

Chief-Master Planning Branch
Ft. Hood
Bldg 4622 Engineer Dr.
Ft. Hood, TX
Phone: (254) 288-2756
keith.j.fruge.civ@mail.mil

Phil Haggerty

Asst. Superintendent of Business
Services
Belton ISD
P.O. Box 269
Belton, TX 76513
Phone: (254) 215-2065
phil.haggerty@bisd.net

Matthew Van Valkenburgh

Executive Director of Aviation
Killeen-Ft. Hood Regional Airport
8701 S. Clear Creek Rd.
Killeen, TX 76541
Phone: (254) 501-8701
mvanvalkenburgh@killeentexas.gov

James O'Donley

Regional Manager
BNSF Railway-Temple
2100 Barker Blvd.
Temple, TX 76501
Phone: (817) 867-6137
James.odonley@bnsf.com

Michael Bolin, P.E.

Deputy District Engineer
TxDOT Waco District
100 South Loop Dr.
Waco, TX 76704
Phone: (254) 867-2740
michael.bolin@txdot.gov

David Lutz

Operations Manager
Temple & Central Texas Railway
(Patriot Way)
3111 Eberhart Rd.
Temple, TX 76504
Phone: (254) 931-9545
David.Lutz@PatriotRail.com

FREIGHT ADVISORY COMMITTEE

Kaylon Page

Project Manager
Wheeler Coatings Asphalt (Old
Castle Materials)
1320 Arrow Point Dr. Suite 600
Cedar Park, TX 78613
Phone: 903-348-8651
kaylon.page@oldcastlematerials.com

Barry Egbert

Operations Manager
Wheeler Coatings Asphalt (Old
Castle Materials)
1320 Arrow Point Dr. Suite 600
Cedar Park, TX 78613
Phone: (512) 694-6915
barry.egbert@oldcastlematerials.com

James Tarvin

Operations Manager
Wheeler coatings Asphalt (Old
Castle Materials)
701 S. Loop 340
Waco, TX 76706
Phone: (254) 752-7557
james.tarvin@oldcastlematerials.com

Joe Barber

Manager
Wheeler Coatings Asphalt (Old
Castle Materials)
1320 Arrow Point Dr, Suite 600
Cedar Park, TX 78613
Phone: (512) 861-7100
jbarber@oldcastlematerials.com

Rex Ross

General Manager
Miller Springs Materials
6218 N. Hwy 317
Belton, TX 76513
Phone: (254) 780-9959
rexross@millerspringsmaterials.com

Jim Boultinghouse

Quarry Manager
Miller Springs Materials
6218 N. Hwy 317
Belton, TX 76513
Phone: (254) 780-9959
jboultinghouse@prim.com

Rick Lewis

Area Manager, Belton Operations
PSC James Construction Group
5880 W. US 190
Belton, TX 76513
Phone: (254) 939-8610
rlewis@jcqlc.com

Michael Smart

Field Service Representative
DRS Technologies
7720 Airport Blvd, Building 13
Temple, TX 76502
Phone: (254) 770-3220
mrsmart@drs-rsta.com

Brian Ranly

Manager, Logistics & Operations
Wilsonart Inc.
10535 NW HK Dodgen Loop
Temple, TX 76502
Phone: (254) 207-6372
ranlyb@wilsonart.com

Jim Butler

General Manager
Fikes Wholesale
P.O. Box 6115
2828 Industrial Blvd
Temple, TX 76501
Phone: (254) 774-1932
jbutler@gpscarrers.com

Jim VonAchen

Director of Transportation Support
McLane Company Inc.
P.O. Box 6115
2828 Industrial Blvd
Temple, TX 76501
Phone: (254) 771-7590
jim.vonachen@mcclaneco.com

Danny Rimbart

Transportation Manager
McLane Company Inc
2828 Industrial Blvd
Temple, TX 76501
Phone: (254) 770-2893
danny.rimbart@mcclaneco.com

Ginger Watkins

Economic Development Director
Cameron Industrial Foundation
102 E. First St.
Cameron, TX 76520
Phone: (254) 697-4970
g Watkins@cameronindustrialfoundation.com

Kale Driemeier

Planner, Freight and International
Trade Section
Texas Department of Transportation
125 East 11th St., Austin, TX 78701
Phone: (512) 936-0961
Kale.Driemeier@txdot.gov

Justin Morgan

Transportation Planner
FHWA-Texas Division
J.J. Pickle Federal Building
300 E. 8th Street, Suite 826
Austin, TX 78701
Phone: (512) 536-5943
Justin.Morgan@dot.gov



FREIGHT ADVISORY COMMITTEE

James Mulheron

Traffic Management Specialist

LRC, Transportation Division

Fort Hood

Fort Hood, TX

Phone: (254)553-1921

james.a.mulheron.civ@mail.mil

Daniel Dougherty

LRC, Transportation Division

Fort Hood

Fort Hood, TX

Phone: (254) 288-4587

daniel.w.dougherty.civ@mail.mil

Collin Hill

Location Manger

Livestock Nutrition Center

713 B. Industrial Blvd

Cameron, TX 76520

Phone: (254) 605-0705

collinh@lnc-online.com



STAFF

Uryan Nelson

MPO Director

Phone: (254) 770-2373

uryan.nelson@ctcog.org

Kendra Coufal

Planning Services Manager

Phone: (254) 770-2363

kendra.coufal@ctcog.org

James McGill

Senior Planner

Phone (254) 770-2366

james.mcgill@ctcog.org

Dominic Elizondo

Regional Planner

Phone (254) 770-2379

dominic.elizondo@ctcog.org



Commonly Used Transportation Related Acronyms and Terms

Organizations	Terms
KTMPPO	TMA
Killeen – Temple Metropolitan Planning Organization	Transportation Management Area
TPPB (KTMPPO)	MAP - 21
Transportation Planning Policy Board	Moving Ahead for Progress in the 21 st Century (legislation replaced SAFETEA-LU in July 2012)
TAC (KTMPPO)	SAFETEA – LU
Technical Advisory Committee	Safe, Accountable, Flexible, Efficient Transportation Equity Act
FHWA	MPO
U.S. Department of Transportation Federal Highway Administration	Metropolitan Planning Organization
FTA	UPWP
U.S. Department of Transportation Federal Transit Administration	Unified Planning Work Program
TxDOT	MTP
Texas Department of Transportation	Metropolitan Transportation Plan
TCEQ	TIP
Texas Commission on Environmental Quality	Transportation Improvement Program
TTI	STIP
Texas A&M Transportation Institute	Statewide Transportation Improvement Program
CTCOG	STP-MM
Central Texas Council of Governments	Surface Transportation Program – Metropolitan Mobility
HCTD or “The HOP”	TAP
Hill Country Transit District	Transportation Alternatives Program
CTR TAG	UTP
Central Texas Regional Transportation Advisory Group	Unified Transportation Program
BPAC	CMAQ
Bicycle and Pedestrian Advisory Committee	Congestion Mitigation and Air Quality Improvement Program
	UA or UZA
	Urbanized Area
	EJ or “Title VI”
	Environmental Justice
	CMP
	Congestion Management Process
	ITS
	Intelligent Transportation Systems
	NAAQS
	National Ambient Air Quality Standards

A comprehensive listing with definitions is available under Transportation Planning Resources at www.ktmpo.org. Pages 61-65 of the publication “The Transportation Planning Process... is a great resource for commonly used Transportation terms.

2045 MTP Project Listing



2045 Metropolitan Transportation Plan Project Listing

Short Range Funded (2021-2031) Projects with Allocated Funding as of September 2021 and Listed in the Transportation Improvement Program (TIP)

CATEGORY 2 PROJECTS (METROPOLITAN CORRIDORS)

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
W40-04a (1)	2502-01-021	Loop 121 Phase 1a	Lake Rd (FM 439) to South of W Ave O	Widen from two lanes to four lanes with a raised median	56.45	14	5	\$30,800,000	2021	Yes	EJ, H, P	Allocation: \$62,269,000 4-year UTP Fiscal Constraint: \$68,585,914
W35-01	0231-19-003 0231-01-003 0231-02-067	US 190 Bypass	0.6 mi. W of FM 2657 to 0.15 mi. E of Clarke Rd	Widen to 4 In divided highway	49.54	3	3	\$67,200,000	2023	Yes	L, H,	
T45-18	N/A	SH 95 Turn Lanes	Barnhard Rd to 0.6 mi. S of Barnhard Rd	Add turn lanes on west side	40.82	22	25	\$1,219,000	2022			

CATEGORY 4 PROJECTS (STATEWIDE CONNECTIVITY CORRIDORS)

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
W35-01	0231-19-003 0231-01-003 0231-02-067	US 190 Bypass	0.6 mi. W of FM 2657 to 0.15 mi. E of Clarke Rd	Widen to 4 In divided highway	49.54	3	3	\$67,200,000	2023	Yes	L, H,	Allocation: 36,950,000

CATEGORY 7 PROJECTS (SURFACE TRANSPORTATION PROGRAM-METROPOLITAN MOBILITY)

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
T40-15	0184-03-039 0232-01-053	Adams Ave/Central Ave. Bicycle/Pedestrian Improvements	IH-35 to MLK Jr Blvd (Spur 290)	Installation of ADA compliant sidewalks traveling east on Central Avenue from 31st Street to 3rd Street and west on Adams Avenue from 3rd Street to 31st Street with tapered connections to existing sidewalks at bridges	92.00	2	2	\$1,913,044	2021	Yes	EJ, H	Allocation: \$27,584,615 4-year UTP Fiscal Constraint: \$23,549,569
T40-07a	0909-36-168	Temple Outer Loop West-Phase I	522 ft South of Jupiter Dr to 20 ft North of Riverside Trail	Widen from two to four lane divided roadway with a curb and gutter, Phase 1	64.67	17	4	\$10,298,198	2023	No	P, H	
N40-04	0909-36-167	Nolanville City Park Connectivity	Park (North Mesquite) along Ave H to 10th St	Construct ADA compliant sidewalks, ramps, and crosswalks	72.34	6	3	\$1,558,802	2021	No	P	
N40-03	N/A	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Upgrade bridge, shared use path	43.61	9	5	\$1,924,841	2022	No	—	
D45-01	N/A	W Main St/Luther Curtis Rd	Church Ave to 0.4 mi. W of Lee Mays Blvd	Rehabilitate and widen to 2 ln + CTL, 12' shared use path	38.16	33	7	\$3,200,000	2022			
H30-05b	0909-36-171	Warrior's Path Phase 2	Pontotoc Trace to FM 2410	Add left turn lane, 10' shared use path, 6' sidewalk	37.65	36	8	\$3,101,020	2023	No	H	
S45-01	N/A	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pavement rehabilitation	34.71	46	9	\$1,005,200	2022			
K45-03	N/A	W Rancier Ave	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	60.27	1	1	\$3,240,000	2024			
T40-13a	0909-36-173	Georgetown Railroad Trail Phase 1	S 31st St (FM 1741) to 0.04 mi. E of S 5th St	Construct 10 ft wide hike/bike trail	58	3	3	\$1,343,510	2022			

MPO CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE PROGRAM)

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
B45-03	0909-36-169	13th Avenue Sidewalk Improvements	Main St (SH 317) to Waco Rd (FM 817)	Construct ADA compliant ramps, sidewalks, and crosswalks and add striping for a bik lane on the south side of the roadway	72.16	7	4	\$539,233	2023	No	P	Allocation: \$1,901,060 4-year UTP Fiscal Constraint: \$1,576,040
T40-13a	0909-36-173	Georgetown Railroad Trail Phase 1	S 31st St (FM 1741) to 200 ft E of S 5th St	Construct 10 ft wide hike/bike trail	58	3	3	\$656,490	2022			
N40-05	N/A	FM 439 Spur Connectivity	Main St to North Dr	Construct 10' wide sidewalk, ADA ramps and crosswalks, improve shoulders at Main St	52.63	6	4	\$705,337	2022			

STATEWIDE CATEGORY 9 PROJECTS (SAFE ROUTES TO SCHOOL PROGRAM)

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
D45-02	0909-36-180	Troy - Mays Middle School SRTS	On Lee Mays Blvd and Luther Curtis Rd to Raymond Mays Middle School	Construct 0.2 miles of accessible sidewalks with crosswalks and ADA ramps.	N/A	N/A	N/A	\$277,571	2021	No	N/A	Allocation: \$277,571 Fiscal Constraint: n/a

Other Projects												
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding
C45-01	3623-01-004	Fort Hood Access Ramps	Old Georgetown Rd to BNSF Railway	Construct exit ramp to Tank Destroyer Blvd and entrance ramp from Old Georgetown Rd	N/A	N/A	N/A	\$5,015,690	2021	N/A	—	Local Contribution (Cat 3) Allocation: \$5,015,690 Fiscal Constraint: n/a
GROUPED PROJECTS												4 Year Total TIP Allocation: \$68,380,161 *Excludes grouped projects, matches current TIP financial summary
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	FY2019-2022 TIP	FY2021-2024 TIP						10 Year Total UTP Fiscal Constraint: \$254,490,702
G01-PE	Various CSJs	Preventative Projects	Various Locations	Various Descriptions	\$0	\$0						MTP 10 Year Short Range Fiscal Constraint: \$49,500,000
G03-MT	Various CSJs	Maintenance Projects	Various Locations	Various Descriptions	\$20,009,216	\$16,146,611						MTP Long Range Fiscal Constraint: \$405,700,000
G04-BR	Various CSJs	Bridge Projects	Various Locations	Various Descriptions	\$1,400,000	\$10,590,000						
G06-SA	Various CSJs	Safety Projects	Various Locations	Various Descriptions	\$2,690,079	\$14,418,916						
Proposed Roadway, Transportation Choices/Livability,Transit, and Preventative Maintenance Projects												
ROADWAY PROJECTS ⁷												
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding ^{4 9}
K30-13a	0909-36-175 0909-36-172	Chaparral Rd Phase 1	SH 195 to E Trimmier Rd	Widen from 2 ln to 4 ln, 8' bike ln 5' sidewalk or SUP both sides	52.47	1	1	\$12,880,000	2025	No	EJ, H	Categories 2, 7 Years 5-10 Short Range Allocations: \$186,833,795 UTP 10-Year Fiscal Constraint: \$254,490,702 Available: -\$4,647,994 *Available = UTP constraint - TIP allocations - Short Range Cat 2, 7, 9 allocations
W40-04a2	N/A	Loop 121 Phase 1b	IH-14 to IH-35	Widen 2 ln to 4 ln with raised median, 10' SUP, 6' sidewalk	50.74	2	2	\$21,280,000	2025			
T40-07b	0909-36-174	Outer Loop West Phase 2	Riverside Trail to IH-35 Frontage Rd	Widen and new construction 4 ln, trail	47.28	6	4	\$1,960,000	2027	No	P, H	
C45-02	N/A	SH 9 Offramp	SH 9 to BUS US 190	New construction 1 ln direct connector	41.17	20	6	\$28,000,000	2025			
C45-04	N/A	W Avenue B Phase 1	N 1st St to Courtney Ln	Widen to consistent 4 CLT, 11' shared use path, 6' sidewalk	47.62	4	10	\$8,982,400	2025			
W40-04b	N/A	Loop 121 Phase 2	IH-35 to FM 436	Widen 2 ln to 4 ln with raised median, 10' SUP, 6' sidewalk	46.92	7	12	\$10,080,000	2029			
B40-11	N/A	FM 2271	FM 1670 to FM 439	New construction 2 ln, 10' shared use path	44.85	8	13	\$55,664,000	TBD			
W30-17	1835-01-026	FM 93 - Phases 1 and 2	SH 317 to Wheat Rd	Widen from 2 ln to 4 ln divided, shared use path	43.21	12	16	\$16,800,000	2026	Yes	EJ, H, P	
W35-07	0320-06-008	Loop 363	Lucius McCelvey Dr to Industrial Blvd	Expand to 4 ln, intersections @ Lucius McCelvey & Industrial	41.86	16	20	\$50,400,000	2025	Yes	H	Categories 2, 7, 11 Years 11-25 Long Range Allocations: \$361,767,429 MTP Long Range Fiscal Constraint: \$364,100,000 Available: \$2,322,571
T15-06k	0015-14-109	IH 35	US 190 to LP 363	Widen from 6 ln to 8 ln	47.53	5	11	\$308,000,000	2031	Yes	EJ, H	
W30-23	0184-04-051	US 190	FM 1741 to FM 436	Expand to 4 FRWY with grade separation and FRTG	43.53	10	14	\$115,360,000	2029			
T35-36a	N/A	S 1st St	Ave M to Ave U	Widen from 4 ln to 4 ln divided, hike & bike trail	43.28	11	15	\$9,520,000	2025			
C45-05	N/A	W Avenue B Phase 2	Courtney Ln to Bermuda St	Expand to 2 ln WB, 1 ln EB, CLT, 11' shared use path	43.01	13	17	\$15,153,600	2027			
K30-23	N/A	Jasper Dr overpass	Daisy Dr to S 2nd St	Widen to 8 ln	42.55	14	18	\$27,583,528	TBD			

K40-11	N/A	W S Young Dr	Illinois Ave to Elms Rd	Access management	42.39	15	19	\$15,680,000	TBD			Regionally Significant Unfunded List: \$530,942,577
K40-24	N/A	Featherline Rd	Stagecoach Rd to Chaparral Rd	Widen to 4 CLT with roundabouts at Stagecoach and W S Young	41.84	17	21	\$8,832,748	TBD			
B45-12	N/A	IH-35 @ IH-14 Interchange Safety	Connell St to E Ave H	Add messaging boards, striping, improve pavement, other safety improvements	41.54	18	22	\$2,016,000	TBD			
H15-01	N/A	FM 3423 (Indian Trail Dr)	IH-14 to BUS US 190 (VMB)	Add center turn lane, 6' sidewalk both sides	41.34	19	23	\$6,570,928	2026			
W25-02	0184-02-056	SH 36	SH 317 to Lake Belton Bridge	Widen from 2 ln to 4 ln divided	40.92	21	24	\$44,800,000	TBD			
W35-04	0836-03-069	FM 439	Roy Reynolds Dr to FM 3219	Widen from 2 ln to 4 ln CLT	40.82	22	26	\$13,440,000	2045			
C45-08	N/A	BUS 190 Phase 2b	Leonard Rd to Robertson Ave	Remove CLTto change to 4D with median, 11' shared use path, 6' sidewalk	40.27	23	27	\$5,264,000	2027			
W35-03	N/A	SH 195	FM 3470 to Chaparral Rd	Expand to 4 FRWY with FRTG	40.19	24	28	\$58,744,000	TBD			
B40-10	N/A	FM 1670	IH-14 to Three Creeks Blvd	Widen 2 ln to 4 ln, 10' shared use path	40.18	25	29	\$6,320,563	TBD			
K40-16	N/A	E Trimmier Rd	Stagecoach Rd to Chaparral Rd	Widen to 5 lanes - assume 4 CLT	39.48	26	30	\$6,772,640	TBD			
H45-01	N/A	E FM 2410 (Knight's Way) Phase 1	Cedar Knob Rd to Warriors Path	Widen 2 ln to 4 ln CLT	39.39	27	31	\$6,392,512	2026			
B40-07	N/A	Connell St	IH-14 to Loop 121	Widen 2 ln to 4 ln with raised median, 10' shared use path, 5' sidewalk	39.20	28	32	\$8,400,000	TBD			
K40-17	N/A	W Trimmier Rd	Stagecoach Rd to Chaparral Rd	Widen to 4 CLT	39.00	29	33	\$7,698,684	TBD			
C45-07	N/A	BUS 190 Phase 2a	Georgetown Rd (FM 116) to Leonard Rd	Remove CLTto change to 4D with median, 11' shared use path, 6' sidewalk	38.38	30	34	\$11,312,000	2026			
D40-01	N/A	N Waco Rd (Old US 81)	W Main St to Big Elm Rd	Widen to 2 CLT, 12' shared use path	38.37	31	35	\$16,240,000	2023			
T45-15	N/A	Outer Loop East	IH-35 to FM 93	New construction 4 ln divided, hike & bike trail	38.21	32	36	\$82,880,000	2025			
H45-03	3409-01-007	FM 3481 (Stillhouse Lake Rd) Phase 1	Prospector Trail to Proposed Chaparral Rd intersection	Widen 2 ln to 4 ln CLT	37.92	34	37	\$7,276,640	2040			
W35-08	N/A	FM 93	FM 1741 to SH 36	Widen from 2 ln to 4 ln with median, grade separated at RR crossing	37.91	35	38	\$59,360,000	TBD			
H30-01	N/A	BUS US 190 (Veterans Memorial Blvd)	N Roy Reynolds Rd to IH-14	Reduce to 2 ln, 10' sidewalks both sides	37.15	37	39	\$9,296,000	2035			
B40-08	N/A	Sparta Rd	Loop 121 to Dunns Canyon Rd	New construction right turn lane Loop 121 to school, 10' path Tiger Dr to Dunns	37.01	38	40	\$1,680,000	TBD			
C45-03	N/A	Courtney Ln	Fairbanks St to N 1st St (FM 116)	Add a center turn land, 10' shared use path, 6' sidewalk	36.81	39	41	\$4,631,200	2023			
W30-21	N/A	Loop 363 Intersection	LP 363 @ FM 2305	Reconstruct the interchange	36.73	40	42	\$22,400,000	TBD			
C45-09	N/A	BUS 190 Phase 2c	Robertson Ave to E Ave D	Remove CLT to change to 4D with median, 11' shared use path, 6' sidewalk	35.56	42	43	\$9,689,120	2027			
C45-06	N/A	Big Divide Rd Phase 1	Colorado Dr to W Ave B (FM 1113)	Expand to 4 CLT, 6' sidewalk both sides	35.54	43	44	\$13,552,000	2025			
B40-09	N/A	Avenue D West	Near Kennedy Ave to Wheat Rd	New construction 2 ln 10' shared use path	35.46	44	45	\$5,508,720	TBD			
B45-10	N/A	Southwest Parkway South	Loop 121 to Shanklin Rd W	New construction 3 ln, 10' shared use path, 5' sidewalk	35.37	45	46	\$6,272,000	TBD			
N40-07	N/A	Warrior's Path Extension Phase 1	Old Nolanville Rd to IH-14	New construction 2 ln	34.01	47	47	\$6,387,646	2027			
H45-02	N/A	E FM 2410 (Knight's Way) Phase 2	Warriors Path to Rummel Rd	Widen 2 ln to 4 ln CLT	33.91	48	48	\$6,354,320	2030			
B30-02	N/A	Shanklin Rd W Outer Loop	E end of Three Creeks Subdivision to IH-35	New construction 4 ln 10' shared use path	33.55	49	49	\$13,238,400	TBD			
N40-06	N/A	Railroad Crossing Safety	RR Crossings @ Pleasant Hill Rd, N 5th St, Main St, & Jackrabbitt Rd	Upgrade RR crossings	31.55	50	50	\$903,578	2021			
B45-11	N/A	Shanklin Rd N-S	Loop 121 to Shanklin Rd E-W	New construction 3 ln, 10' shared use path, 5' sidewalk	30.55	51	51	\$6,720,000	TBD			
B30-03	N/A	Belton Outer Loop East	IH-35 @ Shanklin Rd to FM 436	New construction 2 ln, 10' shared use path	30.47	52	52	\$13,507,200	TBD			
B45-09	N/A	Toll Bridge Rd	Elmer King Rd to Shanklin Rd	Widen to 4 ln collector, 10' shared use path	30.27	53	53	\$10,080,000	TBD			
B40-02	N/A	Southwest Parkway North	Loop 121 to Huey Dr	Widen to collector and extend, 5' sidewalk both sides	29.63	54	54	\$1,579,200	2024			
N40-12	N/A	Paddy Hamilton Rd/Jackrabbitt Rd	IH-14 @ Paddy Hamilton Rd to IH-14 @ Jackrabbitt Rd	Widen roads with shoulders	29.45	55	55	\$7,022,400	2024			
N45-01	N/A	FM 439 Spur	IH-14 to Lonesome Oak Dr	Add traffic light and turn lane	28.99	56	56	\$1,310,400	2022			
B30-01	N/A	George Wilson Rd extension	FM 93 to FM 439	New construction 2 ln, 10' shared use path	28.80	57	57	\$1,553,422	TBD			
B45-08	N/A	Mesquite Rd	IH-35 to Shanklin Rd	Widen to collector and extend, 5' sidewalk both sides	28.46	58	58	\$5,936,000	TBD			
H30-03	N/A	FM 3219	BUS US 190 (VMB) to FM 439	Widen from 2 ln to 4 ln divided and elevate, 6' sidewalks on both sides	27.91	59	59	\$15,320,256	2050			

H40-03 ⁶	N/A	Chaparral Rd	FM 3481 to Killeen City Limits on Chaparral Rd	Widen and straighten roadway and construct hike and bike trail	N/A	N/A	N/A	N/A	N/A	No	H	Unscored/Unfunded List
C25-02	N/A	FM 1113	Signal Light at FM 116/Ave B to Summers Rd	Widen from 2 to 4 lanes with ADA-compliant sidewalks	N/A	N/A	N/A	N/A	N/A	No	H	
C25-04	N/A	North Side Loop	FM 1113 to FM 116	Widen from 2 to 4 lanes with raised median curb and gutter with enclosed storm drainage	N/A	N/A	N/A	N/A	N/A	No	—	
C40-01	N/A	FM 116 South	Copperas Cove City Limits to SH 201	Upgrade Ivy Gap Rd and Ivy Mountain Rd to FM status, widen roadway from 2 to 5 lanes with curb and gutter	N/A	N/A	N/A	N/A	N/A	No	EJ, L, H, ARZ	
H40-04	N/A	E FM 2410	E side from FM 2410 Community Park to Simmons Rd	Expand roadway to include curb and gutter, access management control, turning lanes, drainage improvements, and context sensitive solutions	N/A	N/A	N/A	N/A	N/A	No	EJ, L, H	
N40-08	N/A	Warrior's Path Extension Phase II	US 190 to FM 439	Construct 2 lane roadway	N/A	N/A	N/A	N/A	N/A	No	—	
N40-10	N/A	FM 439 Safety Improvements	FM 439 at Lonesome Oak Dr	Add turning lane, shoulder expansion and possible traffic signals/signs	N/A	N/A	N/A	N/A	N/A	No	—	
W30-06	N/A	Killeen Airport Entrance	SH 201 at Killeen Airport Entrance	Construct interchange	N/A	N/A	N/A	N/A	N/A	Yes	EJ, H	
TRANSPORTATION CHOICES/LIVABILITY PROJECTS ⁸												
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding ^{4 9}
B45-02	N/A	E 6th Ave Sidewalk	Main St (SH 317) to IH-35 frontage road	Construct 5' sidewalks on both sides, relocate dry utilities underground, and other utilities outside of pavement	58.74	2	2	\$12,320,000	TBD			Category 9: Years 5-10 Short Range Allocations: \$18,934,384 UTP 10-Year Fiscal Constraint: \$254,490,702 Available: -\$299,133
S45-03	N/A	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible concrete sidewalks.	38.72	19	5	\$647,024	2025			
K45-04	N/A	Veterans Memorial Blvd	Ft Hood St (SH 195) to WS Young Dr	Construct 6' wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks.	52.44	7	8	\$3,360,000	TBD			
T40-13b	0909-36-173	Georgetown Railroad Trail Phase 2	Leon River to S 31st St (FM 1741)	Construct 10 ft wide hike/bike trail	52.26	8	9	\$2,607,360	2025			
K45-02	N/A	Killeen-Ft Hood Regional Trail	W Elms Rd @ Robinett Rd to Clear Creek Rd (SH 201)	Construct a 10'-12' wide concrete sidewalk/trail.	53.44	4	6	\$8,400,000	TBD			Category 9 Funding: Years 11-25 Long Range Allocations: \$24,603,088 MTP Long Range Fiscal Constraint: \$41,600,000 Available: \$16,996,912
B45-05	N/A	Commerce/Industrial SUP	Sparta Rd to SH 317	Construct 10 ft wide shared use path on east side of Commerce St and north side of Industrial Park Rd	52.99	5	7	\$1,381,333	TBD			
B45-07	N/A	Avenue H Sidewalk/Road Improvements	Saunders St to S Pearl St than north to W Ave D	Construct 5' sidewalk on north side of Ave H, reconstruct roadway and widen to 2 lanes with curb and gutter	52.17	9	10	\$1,232,000	TBD			
B45-04	N/A	Beal Street Sidewalk	E 24th Ave to Downing St	Construct 5' sidewalk on east side from E. 24th Ave to Downing St, construct 5' sidewalk on both sides	51.53	10	11	\$644,000	TBD			
T45-02	N/A	Downtown Sidewalks - 1st and 3rd Street	Mayborn Civic Center to Ave A	Construct and repair sidewalks with ADA-compliance ramps, crosswalks and landscaping	51.16	11	12	\$3,046,400	2025			
B45-01	N/A	Belton's Georgetown Rails to Trails SUP	E Ave B to Leon River Bridge	Construct 10 ft. wide shared use path to connect KTMPO projects B40-05 and T40-13	50.35	12	13	\$2,352,000	TBD			
N40-11	N/A	Nolan Creek Trail	Bridge on Old Nolanville Rd to Levy Crossing	Construct 10 ft multi-use trail boarding Nolan Creek	47.8	13	14	\$1,691,152	2025			
B45-06	N/A	Central Avenue Sidewalk	Main St (SH 317) to Pearl St	Replace sidewalk along W. Central Ave with 5' wide ADA compliant sidewalk on north side of Central Ave	47.63	14	15	\$476,000	TBD			
T45-03	N/A	Downtown Sidewalks - East Central	Martin Luther King Jr Dr to N 22nd St	Construct 6 ft wide sidewalks, repair existing sidewalks with crosswalks and landscaping	42.64	15	16	\$672,000	2025			
T25-05	N/A	FM 2271 Trail	FM 2305 to Miller Springs Nature Area	Construct 8 ft wide trail	42.53	16	17	\$1,064,000	2025			
T45-09	N/A	Apache Drive Sidewalk	West Adams Ave to Gila Trail	Construct 6 ft. wide sidewalks and crosswalks	42.37	17	18	\$436,837	2025			
S45-04	N/A	Thomas Arnold Road Sidewalks	Salado School Rd to IH-14	Construct ADA accessible concrete sidewalks.	40.73	18	19	\$259,728	2025			
S45-06	N/A	Salado School Road Sidewalks	Thoomas Arnold Rd to W Village Rd	Construct ADA accessible concrete sidewalks.	37.81	20	20	\$299,376	2025			
N40-09	N/A	Pleasant Hill Bike Lanes	600 ft N of Wayne Dr to IH-14	Construct Class 2, buffered on-street bike lane	36.46	21	21	\$856,800	2025			
S45-05	N/A	West Village Road Sidewalks	Thomas Arnold Rd to Williams Rd	Construct ADA accessible concrete sidewalks.	35.81	22	22	\$521,360	2025			
N40-13	N/A	Wildwood Trail	Lonesome Oak Dr to Ave I	Construct an 8 ft. wide multi use trail	32.99	23	23	\$952,000	2025			
S45-02	N/A	Salado Creek Crossing Project	Pace Park to Royal Street	Construct a stone path across the Salado Creek that would connect the north and south sides	30.73	24	24	\$318,102	2025			
N40-12	N/A	Jack Rabbit Road Bike Thoroughfare	US 190 to FM 439 and through Park to School	Add Class 2 Bike Lanes on system	N/A	N/A	N/A	N/A	N/A	No	—	Unscored/Unfunded List
S40-04b ¹	N/A	Main St Sidewalks Phase 2	College Hill Dr to Salado Plaza Dr	Main St improvements to include pavement widening, bike paths, drainage improvements.	N/A	N/A	N/A	\$2,223,044	N/A	No	H, ARZ, ES	
K40-21b	N/A	Heritage Oaks Hike & Bike Trail Segment 5	Chaparral Rd @ Rosewood Dr to USACE Property	Construct shared use path for bicyclists and pedestrians	N/A	N/A	N/A	\$1,300,000	N/A	No	EJ, ARZ	
TRANSIT PROJECTS												
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding ⁴
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

GROUPED PROJECTS				
Short Range Funded (2019-2028)				
KTMPO ID	Project Name	Description		Funding
G01-PE	Preventative Projects	Various Locations	Grouped CSJ Placeholder	Short Range Funding: \$165,803,999
G03-MT	Maintenance Projects	Various Locations		
G04-BR	Bridge Projects	Various Locations		
G06-SA	Safety Projects	Various Locations		
Long Range Funded (2029-2045)				
KTMPO ID	Project Name	Description		Funding
G01-PE	Preventative Projects	Various Locations	Grouped CSJ Placeholder	Long Range Funding: \$295,989,993
G03-MT	Maintenance Projects	Various Locations		
G04-BR	Bridge Projects	Various Locations		
G06-SA	Safety Projects	Various Locations		

Notes:
¹Project score, project ranking and prioritized list is based on the scoring criteria at the time those projects were selected for funding.

²CMP network is based on the network when that project was selected for funding and/or when project was submitted to KTMPO.

³Environmental considerations is based on the environmental conditions when that project was selected for funding and/or when project was submitted to KTMPO. Use key below for identification purposes.

Environemntal Considerations	
Symbol	
EJ	Environmental Justice Community of Concern
L	Landfill
H	Cemeteries, Archaeological Sites, Historical Markers
ARZ	Aquifer Recharge Zone
ES	Endangered Species
P	Park

⁴Fiscal Constraints are determined by inputs into the TRENDS model as approved on March . Short range funding is estimated funding for FY2019-2028 and Long Range Funding is estimated funding for FY2029-2045

⁵Project is a combination between C35-02a and C35-02b. Projecct C35-02b was the top prioritized livability project.

⁶Project H40-03 Chaparral Rd original score, project ranking, and prioritized list order was 60.51, 25 and 30 respectively.

⁷KTMPO received a total of 69 roadway projects with an estimated total cost of \$1,008,785,911. Roadway prioritized list was recommended by TAC on November 28, 2018. During this process, five bonus points were added to projects that lie on a freight corridor as notated in the Regional Multimodal Plan as approved by TPPB on October 24, 2018. After assigning bonus points, each submitting entities' top roadway project was moved to the top of the list. The order was based on the total number of points for those top roadway projects. All remaining projects were ranked based on total project score. Other changes to the ranked list included swapping projects N40-03 and H30-05 and moving project H40-03 to the unfunded list since K30-13 overlaps with this project. Each change was discussed and agreed to during the 11/28/2018 TAC meeting. Prioritize list is not the order of funding and allocation of funds is based on various factors such as but not limited to project ranking, project readiness, funding availability and project need. During discussion, it was decided that project T15-06k will retain its rank, however, this project will be skipped if this project is a candidate for funds.

⁸Note: KTMPO recieved a total of 27 livability projects with an estimated total cost of \$34,939,442. Livability ranked list was recommended by TAC on November 28, 2018. During this process, five bonus points were given to projects that were deemed a priority by BPAC (C35-02b, T40-13, N40-04, B45-01, and B45-05). Bonus points were proposed to projects B45-03 and B45-05 from the City of Belton based on fatalities that occurred in 2018 along these routes. Crash rates were calculated based on data from 2013-2017. Project B45-03 recieved four bonus points as discussed by TAC at the November 28, 2018 meeting. Project B45-05 would've recieved bonus points to accomodate the fatality along this route, however, this project was given the maximum number of bonus points since this project was a BPAC priority route. After bonus points were assigned each submitting entities top livability project was moved to the top of the list. Each submitting entites top priority livability project was ranked based on total score. Prioritize list is not the order of funding and allocation of funds is based on various factors such as but not limited to project ranking, project readiness, funding availability, and project need.

MTP Amendment Dates		
July 17, 2019*	April 15, 2020	July 21, 2021
September 18, 2019*	September 16, 2020	September 22, 2021
October 23, 2019	January 13, 2021	
February 19, 2020*	April 21, 2021*	

* Administrative Amendments

⁹**Funding/Fiscal Constraint Notes (Cat 2, 7, 9, 11):**
Short Range funding amounts (0-10 years) come from the latest TxDOT Unified Transportation Plan (UTP).
Long Range funding amounts (10-15 years) are determined by outputs from the TRENDS model (see note ⁴)

How projects in the list are funded:
White - Projects in the TIP are listed first, their total estimated cost is deducted from the total UTP fiscal constraint.
Green - The remaining UTP funding is then allocated to the next highest ranked projects from both the Roadway and Livability tracks until the funding cap is reached. Green colored projects are projected to receive funding within the first 10 years of the planning period.
Blue - Projects following the Short Range funding section are allocated funds from the estimated Long Range MTP funding from highest ranking on down until the funding cap is reached. Blue projects are projected to receive funding during the last 15 years of the planning period.
Orange - When all estimated funding sources have been exhausteted, any remaining projects are listed from high to low in the Regionally Significant Unfunded list. Orange projects are NOT projected to receive funding during the planning period
Yellow - Projects that are unscored are listed at the bottom of each section and have no estimated timetable for receiving funding.

Note on Roadway vs Livability Tracks:
Projects in the Livability Track are allocated funding from the latest Category 9 funding estimates only.
Porjects in the Roadway Track are allocated funding from the latest Category 2 and Category 7 estimates.

Current UTP Estimates by Category (2021-2030):	Current MTP Estimates by Category (2030-2045):
Category 2 - \$189,232,733	Category 2 - \$115,800,000
Category 7 - \$61,317,869	Category 7 - \$216,900,000
Category 9 - \$3,940,100	Category 9 - \$41,600,000
	Cateogry 11 - \$31,400,000

*Note - funding for projects in this list is not guranteed unless the project is listed in the TIP, all other project funding is subject to change



2045 Metropolitan Transportation Plan Project Listing

MTP LET PROJECTS THAT ARE STILL ACTIVE

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score ¹	Project Ranking ¹	Prioritized List ¹	Estimated Cost	Estimated Let Date	CMP Network ²	Environmental Considerations ³	Funding Amounts
H15-02b	2304-02-036 2304-02-040	FM 2410	Roy Reynolds Dr to Commercial Dr	Widen from 2 to 4 lane roadway with sidewalks, median and turn lanes incorporating context sensitive design	N/A	N/A	N/A	\$8,800,000	2016	Yes	N/A	FY15-FY17 MPO Proposition 1: \$17,800,000
W40-02	0231-03-143	US 190	1.0 mi W of FM 2410 to FM 3423 (Indian Trail)	Widen main lanes from 4 to 6 lane divided freeway and ramp alignments	N/A	1	N/A	\$9,000,000	2018	Yes	N/A	
W40-06	0231-03-145 0231-04-061	US 190	Knights Way to FM 2410 in W Belton	Widen main lanes from 4 to 6 lane divided freeway and ramp alignments	87.45	1	1	\$39,000,000	2019	Yes	H	FY18-20 Category 2: \$74,000,000
W40-05	0231-04-060	US 190	FM 2410 in W Belton to IH-35	Widen main lanes from 4 to 6 lanes and resurface	83.79	3	3	\$35,000,000	2020	Yes	EJ	
W40-03	0231-03-146	US 190 Turnaround	At Clear Creek Rd	Roadway reconfiguration to improve turning movements (Turnaround)	42.11	42	6	\$4,000,000	2018	No	EJ	FY18-20 Category 2 Funds (\$2,100,000) and Category 7 Funds (\$1,900,000): \$4,000,000
W35-12	0185-01-030	US 190 (Rogers Relief Route)	2.0 mi S of FM 436 in Heidenheimer to Milam County Line	Widen from 2 to 4 lane divided rural highway	45.56	36	38	\$62,800,000	2020	Yes	H	FY19 Category 4 Funds: \$62,800,000
H40-02	0909-36-153	Traffic Circle at Commercial Dr	Intersection of Commercial Dr and Heights Dr	Construct traffic circle at intersection of Commercial Dr and Heights Dr	40	6	5	\$489,249	2018	No	EJ	FY15-17 Category 7 Funds: \$15,530,684
K30-02	0909-36-156	Rosewood Dr Extension	Riverstone Dr to Chaparral Dr	Construction of a 4 lane roadway with center median and an off-system bridge	38	4	6	\$7,965,049	2018	No	EJ, ARZ	
N40-01	2057-01-009	Main St Connectivity	Ave I to US 190 Frontage Rd	Construct ADA bicycle and pedestrian pathways along Main St and under US 190	31	3	3	\$596,386	2018	No	N/A	
T35-24	0909-36-155	Prairie View Road Enhancements	W of SH 317 to N Pea Ridge Rd	Construction of a 4 lane roadway, aligning FM 2483 to Prairie View Rd with a signalized intersection	39	5	4	\$6,480,000	2018	Yes	N/A	
K40-27 ¹	0836-02-073	SH 195	0.1 mi N of FM 3470 to 0.1 mi S of FM 3470	Turnaround underpass for northbound and southbound traffic on SH 195 frontage roads and FM 3470 (Stan Schlueter)	42.68	41	7	\$800,000	2019	Yes	EJ	FY18-20 Category 7 Funds: \$10,206,956
H35-01	0231-03-147	US 190 at FM 2410	East Central Tx Expy W to East Central Tx Expy E	Construction of a west to east turnaround at FM 2410	67.11	6	8	\$5,000,000	2020	Yes	N/A	
T40-12	1835-02-058	31st St Sidewalks (FM 1741)	Marlandwood Rd to Canyon Creek Rd	Installation of 6 ft sidewalks on both sides of FM 1741	94.35	1	1	\$500,000	2019	Yes	N/A	
C40-05	3128-01-013 3131-01-007	FM 116 & 3046 Sidewalks	Business 190 to Dennis St	Construct ADA compliant sidewalks and bike lanes	77.88	5	4	\$975,000	2020	Yes	H, P	
C40-04c	0909-39-133	The Narrows (Charles Tillman Way)	Charles Tillman Way from Constitution Dr to Charles Tillman Way @ RG III Blvd	Construct shared use path for bicycle and pedestrian use	70.32	11	6	\$170,000	2020	No	EJ, H	
S40-04a	2136-01-020	Main St Sidewalks Phase 1	Salado Plaza Dr to College Hill Dr (North End)	Main St. improvements to include lighting, sidewalks, and striping for bicycles	81.01	3	7	\$1,616,956	2019	No	H, ARZ, ES	
A45-01	0909-36-170	HCTD Fleet Replacement Project	Hill Country Transit, Killeen UZA-Two, Temple UZA-One	Purchase Buses to Provide Transportation	N/A	N/A	N/A	\$1,145,000	2019	N/A	N/A	
C40-04a	0909-39-131	The Narrows (Constitution Drive)	Constitution Dr from Bowen Ave to 0.2 mi S Martin Luther King Jr. Blvd	Construction of sidewalks for bicycle and pedestrian use	72.78	8	9	\$850,000	2020	No	EJ,H	FY 18-20 Category 7 (\$360,000) and Category 9 (\$490,000): \$850,000
K40-23	0909-36-160	Heritage Oaks Hike and Bike Trail, Segment 3A	Rosewood Dr from Nickelback Dr to Pyrite Dr	Construction of a hike and bike trail with lighting	23	1	1	\$800,000	2018	No	EJ, ARZ	FY15-17 Category 9 Funds: \$800,000
C40-04b	0909-39-132	The Narrows (RG III at Old Copperas Cove Rd)	RG III Blvd from Constitution Dr to Old Copperas Cove Rd at Constitution Dr	Construct sidewalks for bicycle and pedestrian use	70.87	9	10	\$680,000	2020	No	EJ, H	FY18-20 Category 9 Funds: \$680,000
B40-04	0909-36-157	Chisholm Trail Corridor Hike and Bike Facility Phase II	University Blvd 0.25 mi. south of Crusader Way to Tiger Dr 0.10 mi. north of Sparta Rd	Construct sidewalks and shared use path--widths vary from 8 ft to 10 ft; includes landscaping and lighting.	N/A	N/A	N/A	\$2,670,615	2019	No	N/A	FY15 Statewide TAP Funds: \$6,118,899
K40-21a	0909-36-152	Killeen Heritage Oaks Hike and Bike Trail, Segment 4	Platinum Dr to Chaparral Rd	Construct shared use path for pedestrians and bicyclists	N/A	N/A	N/A	\$3,448,284	2018	No	EJ, ARZ	
W45-01	0231-03-152	IH 14 Advanced Traffic Management System	Coryell County Line to FM 3423 (Indian Trail)	Construction of fiber optics, traffic cameras and Dynamic Message Boards	73.33	2	11	\$6,200,000	2021	Yes	EJ, L, H	Allocation: \$6,200,000 4-year UTP Fiscal Constraint: Waco District: \$59,730,508 Brownwood District: \$0

End of Packet