



Technical Advisory Committee

**January 11, 2023
9:30 a.m.**

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Agenda



**Killeen-Temple Metropolitan Planning Organization
Technical Advisory Committee (TAC)**

Wednesday, January 11, 2022

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

Regular Meeting: 9:30 A.M.

Virtual Link: [KTMPPO TAC Meeting](#)

Call in Number: [+1 \(872\) 240-3212](#)

Access Code: 756-809-085

AGENDA

1. Call to Order.
2. Opportunity for Public Comment.
3. Staff Update: *(pg.6-7)*
 - a) Meeting Schedule;
 - b) Other Updates;
 - c) Air Quality.
4. **Action Item:** Regarding approval of minutes from the December 7, 2022 meeting. *(pg.10-12)*
5. **Discussion and Action Item:** Regarding Resolution 2023-01 supporting the FY23 Safety (PM1) performance targets for KTMPPO established by the Texas Department of Transportation. *(pg.)*
6. **Discussion and Action Item:** Regarding the creation of KTMPPO Workgroups for: *(pg.)*
 - a) KTMPPO Bylaws;
 - b) Safety Target Setting; and
 - c) KTMPPO Project Scoring.
7. **Discussion and Action Item:** Regarding recommending approval of amendments to the FY23-26 Transportation Improvement Program (TIP) and 2045 Metropolitan Transportation Plan (MTP) for projects: *(pg.14-24)*
 - a) D45-01 – W Main St/Luther Curtis Rd
8. **Discussion Item:** Regarding Resolution 2023-02 supporting the 2023 Transit Asset Management (TAM) performance targets established by Hill Country Transit District (HCTD). *(pg.)*

9. **Discussion Item:** Regarding Resolution 2023-03 supporting the 2023 Public Transportation Agency Safety Plan (PTASP) performance targets established by Hill Country Transit District (HCTD). *(pg.)*
10. **Discussion Item:** Regarding public input received through December 2022. *(pg.38-40)*
11. Member comments.
12. Adjourn.

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Item 3:

Staff Update

Staff Update

a) Listed below are the upcoming KTMPO meetings:

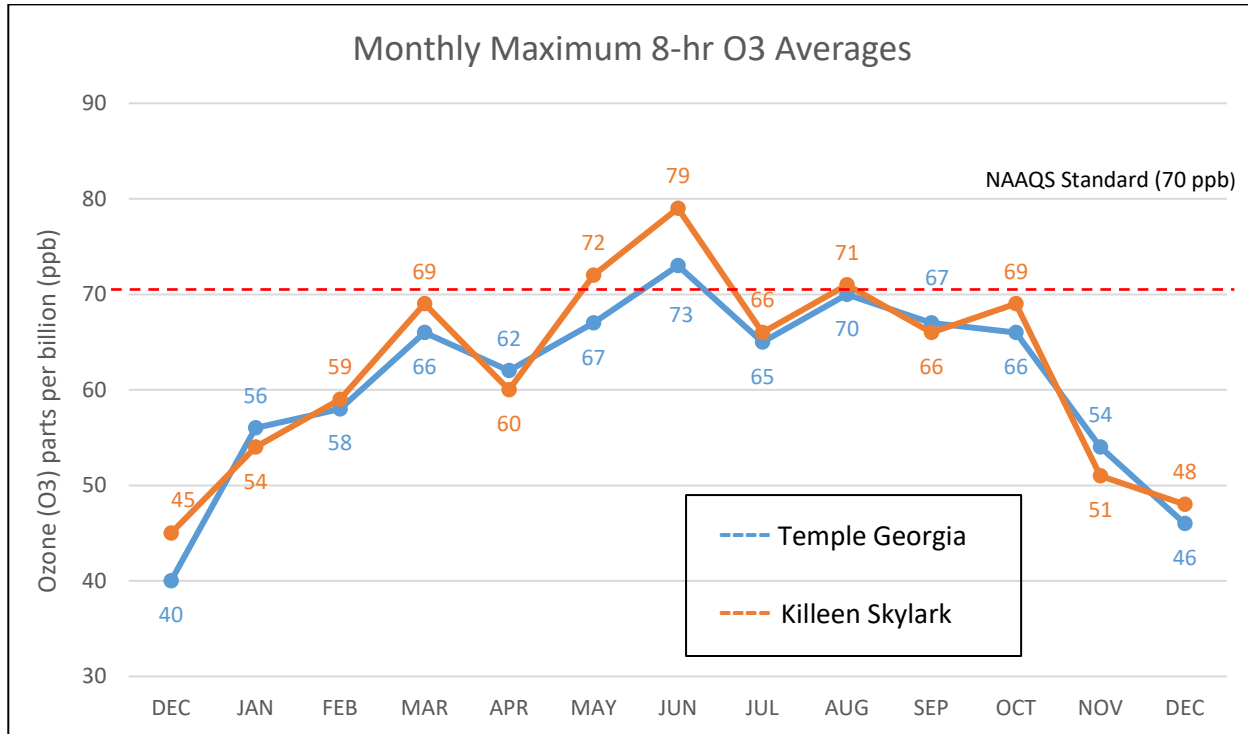
- January 18, 2023 – Transportation Planning Policy Board
- January 24, 2023 – Freight Advisory Committee @ 2:30 p.m.
- February 1, 2023 – Technical Advisory Committee
- February 15, 2023 – Transportation Planning Policy Board
- March 1, 2023 – Technical Advisory Committee
- March 8, 2023 – Bicycle and Pedestrian Advisory Committee
- March 15, 2023 – 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 (i.e. – electronic meeting).

b) Other Updates:

- Bell County Thoroughfare Plan
 - Presented Final Draft Plan on 01/09/2023
- Governor's Community Achievement Awards
 - Applications due February 16th by 5pm CT
- MPO Safety Plan Funding
- 2020 Census Urban Areas Update

c) Air Quality



Compliance with EPA Ozone Standard: 4th Highest Annual Value				3-year average (Calculated on Dec. 1, 2022)
	2020	2021	2022*	
Temple	64	67	67	66
Killeen	63	70	69	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, December 7, 2022
9:30 AM

Regular Meeting

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

Technical Advisory Committee Voting Members

Bob van Til – City of Belton	Bryan Neaves – Bell County
Yvonne Spell for Kristina Ramirez – City of Harker Heights	Judge Roger Miller – Coryell County
Andrew Zagars for Kent Cagle – City of Killeen	Darrell Burtner – Hill County Transit District
Jason Deckman – City of Temple	Victor Goebel – TxDOT Waco District
	Jason Scantling – TxDOT Brownwood District*

Non-Voting Members

Gene Roberts – Fort Hood
Stephen Kasberg – TxDOT Bell County Area Engineer*
Kara Escajeda – City of Nolanville*
Brigida Gonzalez – TxDOT MPO Coordinator*

Additional Attendees

Roque Aguon – GRK	Uryan Nelson – KTMPPO Director
Gary Smith – City of Troy*	Connie Quinto – KTMPPO Assistant Director
Janet Sheguit – MRB*	James McGill – KTMPPO
Brenton Lane – TxDOT Waco District*	Hope Davis – KTMPPO
Nicole Gray – TxDOT Waco District*	Anita Janke -- KTMPPO
Amanda Mooney – TxDOT Waco District*	

**Denotes online attendee*

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; Other Updates; Air Quality.

Uryan Nelson informed the TAC of upcoming KTMPO meetings through February. Mr. Nelson updated the TAC on the Bell County Thoroughfare Plan and public hearing being held December 12, 2022. Mr. Nelson noted that the TxDOT FY23 TA Call for Projects is open as of December 2, 2022. Mr. Nelson shared updates from the AMPO Conference he attended. James McGill noted that the FY23-26 TIP was approved by TxDOT. Maximum ozone air quality readings for the month of November were 54 parts per billion (ppb) at the Temple station and 51 ppb at the Killeen station.

4. Action Item: Approve minutes from the November 2, 2022, meeting.

Judge Roger Miller made a motion to approve the November 2, 2022, meeting minutes, seconded by Jason Deckman; the motion passed unanimously.

5. Discussion and Action Item: Regarding the FY23-26 TIP & 2045 MTP Amendments

James McGill provided a brief overview of what the TIP and MTP contains. Mr. McGill presented the proposed amendments which include adding three projects to the TIP and revising two projects in the TIP. Mr. McGill stated that no comments on the amendments were received during the public meeting held on December 1, 2022 or the 15-day public comment period from November 19 to December 3.

Jason Deckman made a motion to recommend approval of the FY23-26 TIP & 2045 MTP Amendments seconded by Bob van Til; the motion passed unanimously.

6. Discussion and Action Item: Regarding FY2022-2023 UPWP Amendment #3 designating and funding FY23 Special Studies

James McGill provided a brief overview of the Unified Planning Work Program (UPWP) Amendment #3. Mr. McGill presented the changes within Task 5 Special Studies, reallocation of funds, rename of subtasks, and the removal of subtasks.

Bob van Til commented on the boundary expansion study being funded. Judge Roger Miller made comments about the idea of an alternative fuels study. Uryan Nelson provided feedback on both comments explaining the intention of a boundary expansion study and that the Texas Technology Task Force had a lot of discussion and looking at the process for alternative fuels study.

Judge Roger Miller made a motion to recommend approval of FY2022-2023 UPWP Amendment #3 seconded by Jason Deckman; the motion passed unanimously.

7. Discussion Item: Regarding KTMPO's FY2023 PM1 Safety Targets

James McGill provided a brief review of why KTMPO sets Safety Targets. Mr. McGill went over the PM1 Safety Targets set by TxDOT for FY2023. Mr. McGill stated that staff recommends adopting the states safety targets for one more year.

Bob van Til and Jason Deckman made commented on the targets.

8. Discussion Item: Regarding Upcoming KTMPO Working Groups

Uryan Nelson presented the idea of two working groups, a safety working group and a project scoring process working group. Mr. Nelson described the safety working group intention of developing a plan for setting local safety targets for FY 2024. Mr. Nelson described the project scoring process working group intention of reviewing and updating KTMPO's project scoring criteria as necessary in preparation for the upcoming KTMPO Call for Project's.

9 Discussion Item: Regarding Public Input Received

James McGill presented the one new comment submitted through the previous month. This comment was concerned about the low numbers of passengers on HOP busses.

Darrell Burtner commented on the lower numbers received since COVID and the strategies they are implementing to reach higher rates of passengers.

10. Member Comments:

Judge Roger Miller made a comment about the new direction Hill County Transit has been taking to implement change in the public transportation system and suggested that it would be good for Hill County Transit to present on this change and future goals and direction.

11. Adjourn: The meeting adjourned at 10:11 a.m.

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

Uryan Nelson, KTMPO Director

Item 5:
Resolution 2023-01
PM1 Safety Targets

Resolution 2023-01
KTMPO's 2023 PM1 Safety Targets

Background

The Fixing America's Surface Transportation (FAST) Act requires the Metropolitan Transportation Plan (MTP) and the Transportation Improvement Program (TIP) to demonstrate a performance-based decision process that ties back to regional performance targets. 23 United States Code (U.S.C) Section 150 and the FAST Act require State DOTs and MPOs to establish performance standards and meet subsequent reporting requirements for the following national performance measures.

- Safety (PM1)
- Pavement and Bridge Condition (PM2)
- System Performance & Freight Travel Time Reliability (PM3)
- CMAQ (Congestion Mitigation and Air Quality) Improvement Program
- Transit Asset Management (State of Good Repair)
- Transit Agency Safety Plan (PTASP)

Safety Performance Rule

The Safety Performance Rule (PM1), found in 23 CFR 490.207(a1-5), establishes safety performance measures to address fatalities and serious injuries on roadways and is evaluated using Crash Records Information System (CRIS) and Vehicular Miles Traveled (VMT) estimates. This Rule is to better invest transportation funding for safety improvement projects in order to support safe roadway networks.

TxDOT sets safety performance targets for five federally required safety performance measures. These targets include:

- number of fatalities,
- fatalities per million miles traveled,
- number of serious injuries,
- serious injuries per million vehicle miles traveled, and
- number of non-motorized fatalities and non-motorized serious injuries.

In January 2018, January 2019, February 2020, March 2021, and February 2022 the KTMPO Policy Board approved support of the State's safety performance targets.

FY 2023 Safety Performance PM-1 targets are required to be adopted by February 27, 2023. TxDOT has released their safety targets for FY 2023. While KTMPO now has access to local crash data, timing is strained for staff to meet the February target setting deadline. Therefore, staff is recommending adopting the states safety targets for one more year.

TxDOT's FY 2023 safety targets are included in the meeting packet for review.

Schedule:

- December 7, 2022 – TAC discussion regarding Safety Performance (PM1) targets for FY 2023
- December 14, 2022 – TPPB discussion regarding Safety Performance (PM1) targets for FY 2023
- January 11, 2023 - TAC recommends approval of Resolution 2023-01 supporting Safety Performance (PM1) targets for FY 2023
- January 18, 2023 - TPPB approves Resolution 2023-01 supporting Safety Performance (PM1) targets for FY 2023

Action Needed: Consider recommending approval of Resolution 2023-01 supporting the FY23 Safety (PM1) performance targets for KTMPO established by the Texas Department of Transportation.

FY2023 STRATEGIC HIGHWAY SAFETY PLAN (SHSP)

PERFORMANCE TARGETS

Performance Measures and Target Setting – The Texas Transportation Commission (TTC) adopted Minute Order 115481 in May of 2019, directing the Texas Department of Transportation (TxDOT) to work toward the goal of reducing the number of deaths on Texas roadways by half by the year 2035 and to zero by the year 2050. TxDOT has modified its performance measures and target calculations accordingly.

Performance Targets:

Target: Total number of traffic fatalities

2023 Target: To decrease the expected rise of fatalities to not more than a five-year average of 3,682 fatalities in 2023. The 2023 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data
2019	3,619
2020	3,874
2021	4,486
2022	3,272
2023	3,159
2023 Target expressed as 5-year average	3,682

As noted in the table above, the calendar year target for 2023 would be 3,159 fatalities.

Target: Total number of serious injuries

2023 Target: To decrease the expected rise of serious injuries to not more than a five-year average of 17,062 serious injuries in 2023. The 2023 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data
2019	15,858
2020	14,659
2021	19,434
2022	17,539
2023	17,819
2023 Target expressed as 5-year average	17,062

As noted in the table above, the calendar year target for 2023 would be 17,062 serious injuries.

FY2023 STRATEGIC HIGHWAY SAFETY PLAN (SHSP) PERFORMANCE TARGETS

Target: Fatalities per 100 million vehicle miles traveled

2023 Target: To decrease the expected rise of fatalities per 100 MVMT to not more than a five-year average of 1.38 fatalities per 100 MVMT in 2023. The 2023 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data
2019	1.26
2020	1.49
2021	1.70
2022	1.25
2023	1.20
2023 Target expressed as 5-year average	1.38

As noted in the table above, the calendar year target for 2023 would be 1.20 fatalities per 100 MVMT.

Target: Serious Injuries per 100 million vehicle miles traveled

2023 Target: To decrease the serious injuries per 100 MVMT to not more than a five-year average of 6.39 serious injuries per 100 MVMT in 2023. The 2023 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data
2019	5.50
2020	5.63
2021	7.35
2022	6.70
2023	6.77
2023 Target expressed as 5-year average	6.39

As noted in the table above, the calendar year target for 2023 would be 6.77 serious injuries per 100 MVMT.

FY2023 STRATEGIC HIGHWAY SAFETY PLAN (SHSP) PERFORMANCE TARGETS

Target: Total number of non-motorized fatalities and serious injuries

2023 Target: To decrease the expected rise of non-motorized fatalities and serious injuries to not more than a five year average of 2,357 non-motorized fatalities and serious injuries in 2023. The 2023 Target expressed as a 5-year average would be as follows:

Year	Target or Actual Data
2019	2,291
2020	2,206
2021	2,628
2022	2,321
2023	2,340
2023 Target expressed as 5-year average	2,357

As noted in the table above, the calendar year target for 2023 would be 2,340 non-motorized fatalities and serious injuries.



RESOLUTION NO. 2023-01

A RESOLUTION OF THE KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION ANNUAL ADOPTION OF TARGETS FOR SAFETY PERFORMANCE MEASURES ESTABLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.

- WHEREAS;** The Texas Department of Transportation (TxDOT) has adopted the “Road to Zero” goal to cut traffic fatalities on Texas roadways to zero by the year 2050, and the Killeen-Temple Metropolitan Planning Organization supports this ultimate goal; and
- WHEREAS;** The Texas Department of Transportation has established targets for the following 5 Performance Measures based on five year rolling averages:
1. Number of Traffic Fatalities; 3,682
 2. Number of Serious Injuries; 17,062
 3. Fatalities per 100 million Vehicle Miles Traveled (VMT); 1.38
 4. Serious Injuries per 100 million VMT; 6.39
 5. Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries, 2,357; and
- WHEREAS;** TxDOT approved the 2022-2027 Strategic Highway Safety Plan (SHSP) in July 2022 and the 2023 Highway Safety Plan (HSP) on May 26, 2022; and
- WHEREAS;** the 2022-2027 SHSP describes the method of setting safety targets for Texas, and the 2023 HSP utilizes those methods to establish safety targets for the 5 federal Performance Measures mentioned above for calendar year 2023.
- NOW, THEREFORE, BE IT RESOLVED** that the Killeen-Temple Metropolitan Planning Organization Transportation Planning Policy Board has agreed to adopt and support the Texas Department of Transportation targets for the five safety performance measures attached herein for 2023; and
- BE IT FURTHER RESOLVED** that the Killeen-Temple Metropolitan Planning Organization Transportation Planning Policy Board will plan and program projects that contribute to the accomplishment of said targets.
- PASSED AND ADOPTED** on this 11th day of January 2023, at a regular meeting of the Killeen-Temple Metropolitan Planning Organization Transportation Planning Policy Board (TPPB) meeting which was held in compliance with the Open Meetings Act, Texas Government Code, 511.001, *et seq.*, at which meeting a quorum was present and voting.

ATTEST:

Judge Roger Miller, KTMP TPPB Chair

Uryan Nelson, KTMP Director

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Item 6:
KTMPO Workgroups

KTMPO Workgroups

As discussed at the last TAC meeting, KTMPO staff have noted several initiatives that may benefit from the creation of an ad hoc working group. The Chair and Vice Chair have recommended that these working groups be comprised of members from both the TAC and Policy Board to foster cooperation and cohesion between our policymakers and technical experts.

The KTMPO Bylaws Working Group would review the KTMPO Bylaws and provide recommendations to staff on any necessary edits or updates.

The Safety Working Group would help to develop a plan for setting local safety performance measure targets for FY2024 and beyond utilizing data from KTMPO's new Safety Data Dashboard tool.

The Project Scoring Process Working Group would review and adjust/update KTMPO's project scoring criteria as necessary in preparation for the upcoming KTMPO Call for Projects.

Action Needed: Consider recommending the creation of KTMPO Workgroups.

Item 7:

FY23 TIP and MTP

Amendments

FY23-26 TIP and 2045 MTP Amendments

TIP Background

The Transportation Improvement Program (TIP) is a 4-year transportation planning document that includes a detailed listing of projects reasonably expected to begin within a four-year period. The current TIP covers FY21-FY24 and a proposed TIP undergoing review covers FY23-26. Projects included in the TIP must be consistent with the MTP and are chosen based on regional priority and available funding. An amendment to a TIP is not completed until the change has also been included in the STIP—Statewide Transportation Improvement Program.

MTP Background

The Metropolitan Transportation Plan (MTP) is the 25-year long range planning document for KTMP. The 2045 MTP includes a short and long-range prioritized project listing incorporating projects expected to be funded within the document's 25-year planning horizon. The project listing is fiscally constrained based on the projected funding the MPO expects to receive in the 25-year planning period. The document also lists regionally significant unfunded projects. Projects must be included in the funded section of the MTP in order to receive state or federal funding.

Amendments to the FY23-26 TIP and 2045 MTP

- a) D45-01 – W Main St/Luther Curtis Rd
 - Reduce project limits and decrease construction cost

Schedule:

- January 11, 2023 – TAC considers recommending initiation of public involvement for amendments to the FY23-26 TIP and 2045 MTP;
- January 18, 2023 – TPPB considers initiation of public involvement for amendments to the FY23-26 TIP and 2045 MTP;
- January 21, 2023 – February 6, 2023: 15-Day Public Comment Period.
- January 23, 2023 – Public Hearing: 5:00 PM @ CTCOG Offices
 - Virtual Meeting Link: [Click Here](#)
 - Call in number: +1 (224) 501-3412; Access Code: 938-515-829
- February 1, 2023 – TAC considers recommending approval of amendments to the FY23-26 TIP and 2045 MTP;
- February 15, 2023 – TPPB considers approving amendments to the FY23-26 TIP and 2045 MTP.

Action Needed: Consider recommending initiation of public involvement for amendments to the FY23-26 TIP and 2045 MTP.

TIP Sheet Amendments

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0909-36-186	CS	2023	C	Troy	Troy	\$3,200,000
LIMITS FROM:	Church Ave							
LIMITS TO:	0.4 mi W of Lee Mays Blvd						REVISION DATE:	Jul-22
DESCRIPTION:	Rehabilitate and widen W Main St/Luther Curtis Rd from 2 to 3 lanes; add center turn lane and install 12 ft Shared Use Path (SUP).						MPO ID:	D45-01
							FUNDING CATEGORY:	7
REMARKS:							PROJECT HISTORY:	July 2021 KTMO selected project
TOTAL PROJECT COST INFORMATION:		COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY				
PRELIMINARY ENGINEERING:		\$163,229		CATEGORY:	FEDERAL:	STATE:	LOCAL:	LOCAL CONT: TOTAL:
RIGHT OF WAY:		\$0		7	\$830,308		\$207,577	\$1,037,885
CONSTRUCTION:		\$3,200,000	\$3,200,000	7CRRSAA	\$1,729,692		\$432,423	\$2,162,115
CONSTRUCTION ENGINEERING:		\$157,233		TOTAL	\$2,560,000	\$0	\$640,000	\$3,200,000
CONTINGENCIES:		\$131,200						
INDIRECTS:		\$96,605						
BOND FINANCING:		\$0						
TOTAL PROJECT COST (YOE):		\$3,748,266						

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0909-36-186	CS	2023	C	Troy	Troy	\$2,958,262
LIMITS FROM:	Church Ave							
LIMITS TO:	Lee Mays Blvd						REVISION DATE:	Feb-23
DESCRIPTION:	Rehabilitate and widen W Main St/Luther Curtis Rd from 2 to 3 lanes; add center turn lane and install 12 ft Shared Use Path (SUP).						MPO ID:	D45-01
							FUNDING CATEGORY:	7
REMARKS:							PROJECT HISTORY:	July 2021 KTMO selected project June 2022 admin amended KTMO revised Feb. 2023
TOTAL PROJECT COST INFORMATION:		COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY				
PRELIMINARY ENGINEERING:		\$163,229		CATEGORY:	FEDERAL:	STATE:	LOCAL:	LOCAL CONT: TOTAL:
RIGHT OF WAY:		\$0		7	\$636,918		\$159,229	\$796,147
CONSTRUCTION:		\$2,958,262	\$2,958,262	7CRRSAA	\$1,729,692		\$432,423	\$2,162,115
CONSTRUCTION ENGINEERING:		\$157,233		TOTAL	\$2,366,000	\$0	\$591,652	\$2,958,262
CONTINGENCIES:		\$131,200						
INDIRECTS:		\$96,605						
BOND FINANCING:		\$0						
TOTAL PROJECT COST (YOE):		\$3,506,528						



2045 Metropolitan Transportation Plan Project Listing											
Short Range Funded (2022-2031) Projects with Allocated Funding as of August 2022 and Listed in the Transportation Improvement Program (TIP)											
CATEGORY 2 PROJECTS (METROPOLITAN CORRIDORS)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$35,514,000	2026		Allocation: \$39,010,900 FY23-26 UTP Fiscal Constraint: \$68,585,914
C45-02	3623-01-008	SH 9 Turnaround	SH 9 to Business 190	Construct an interchange turnaround from eastbound SH 9 to westbound Business 190	20	6	\$2,918,425	\$2,156,000	2025		
T45-18	0320-01-079	SH 95 Turn Lanes	Barnhardt Rd to 0.6 mi. S of Barnhardt Rd	Construct turn lanes on the west side of SH 95 for acceleration and deceleration	22	25	\$1,596,066	\$1,340,900	2023		
CATEGORY 4 PROJECTS (STATEWIDE CONNECTIVITY)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$36,950,000	2026		Allocation: \$36,950,000 FY23-26 UTP Fiscal Constraint: \$101,065,650
CATEGORY 7 PROJECTS (SURFACE TRANSPORTATION PROGRAM-METROPOLITAN MOBILITY)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
K30-13a	0909-36-175	Chaparral Rd Phase 1	SH 195 to E Trimmier Rd	Widen Chaparral Rd between SH 195 and E Trimmier Rd from 2 lanes to 4 lanes with a continuous center turn lane. Add 8 ft bicycle lane and 5 ft sidewalk or Shared Use Path (SUP) on both sides of the road.	1	1	\$15,282,838	\$12,880,000	2025		Allocation: \$42,725,223 (includes transit) FY23-26 UTP Fiscal Constraint: \$25,980,542
T40-07a	0909-36-168	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen Old Waco Rd (future Outer Loop West) from two lane to four lane divided roadway with a curb and gutter, Phase 1.	17	4	\$17,442,689	\$10,298,198	2023	P, H	
N40-03	0909-36-184	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Reconstruct bridge on Old Nolanville Rd at South Nolan Creek and add a SUP (Shared Used Path) next to the roadway from the Bridge to IH-14.	9	5	\$2,289,448	\$1,924,841	2023	—	
D45-01	0909-36-186	W Main St/Luther Curtis Rd	Church Ave to 0.4 mi. W of Lee Mays Blvd	Rehabilitate and widen W Main St/Luther Curtis Rd from 2 to 3 lanes; add center turn lane and install 12 ft Shared Use Path (SUP).	33	7	\$3,748,266	\$3,200,000	2023		
H30-05b	0909-36-171	Warrior's Path Phase 2	FM 2410 (E Knights Rd) to Pontotoc Trace	Upgrade Warriors Path by adding a left turn lane, reconstructing the curb & gutter, adding a 6 ft sidewalk on the west side of the road and a 10 ft Shared Use Path (SUP) on the east side of the road.	36	8	\$5,455,014	\$3,581,020	2023	H	
S45-01	0909-36-183	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pulverize the existing asphalt, stabilize the remaining base and apply two inch HMAC surface along Royal Street from Smith Branch Rd to FM 2268; install ribbon curb on both sides of the road.	46	9	\$1,171,455	\$1,005,200	2023		
K45-03	0909-36-185	W Rancier Ave	Ft Hood St (SH 195) to W S Young Dr	Construct 6 ft wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks along W Rancier Ave.	1	1	\$3,853,727	\$3,240,000	2024		
B45-02	0015-05-051 0015-18-007	E 6th Ave Sidewalk	SH 317 (Main St.) to IH-35	Construct 5 ft sidewalks along both sides of E 6th Ave (FM 93) from SH 317 (Main St) to IH-35.	2	2	\$3,516,414	\$2,550,480	2026		
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 and bike trail along the old Georgetown Railroad route between 31st St and 5th St.	3	3	\$2,336,487	\$1,123,503	2023		
S45-03	0909-36-187	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible sidewalks adjacent to Williams Rd from FM 2484 to W Village Rd.	19	5	\$769,585	\$647,024	2024		



NEW MTP Listing

2045 Metropolitan Transportation Plan Project Listing

Short Range Funded (2022-2031) Projects with Allocated Funding as of August 2022 and Listed in the Transportation Improvement Program (TIP)

CATEGORY 2 PROJECTS (METROPOLITAN CORRIDORS)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$35,514,000	2026		Allocation: \$39,193,750 FY23-26 UTP Fiscal Constraint: \$68,585,914
C45-02	3623-01-008	SH 9 Turnaround	SH 9 to Business 190	Construct an interchange turnaround from eastbound SH 9 to westbound Business 190	20	6	\$2,918,425	\$2,156,000	2025		
T45-18	0320-01-079	SH 95 Turn Lanes	Barnhardt Rd to 0.6 mi. S of Barnhardt Rd	Construct turn lanes on the west side of SH 95 for acceleration and deceleration	22	25	\$1,778,916	\$1,523,750	2023		

CATEGORY 4 PROJECTS (STATEWIDE CONNECTIVITY)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$36,950,000	2026		Allocation: \$36,950,000 FY23-26 UTP Fiscal Constraint: \$101,065,650

CATEGORY 7 PROJECTS (SURFACE TRANSPORTATION PROGRAM-METROPOLITAN MOBILITY)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
K30-13a	0909-36-175	Chaparral Rd Phase 1	SH 195 to E Trimmier Rd	Widen Chaparral Rd between SH 195 and E Trimmier Rd from 2 lanes to 4 lanes with a continuous center turn lane. Add 8 ft bicycle lane and 5 ft sidewalk or Shared Use Path (SUP) on both sides of the road.	1	1	\$15,282,838	\$12,880,000	2025		Allocation: \$42,563,485 (includes transit) FY23-26 UTP Fiscal Constraint: \$25,980,542
T40-07a	0909-36-168	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen Old Waco Rd (future Outer Loop West) from two lane to four lane divided roadway with a curb and gutter, Phase 1.	17	4	\$17,442,689	\$10,298,198	2023	P, H	
N40-03	0909-36-184	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Reconstruct bridge on Old Nolanville Rd at South Nolan Creek and add a SUP (Shared Used Path) next to the roadway from the Bridge to IH-14.	9	5	\$2,289,448	\$1,924,841	2023	—	
D45-01	0909-36-186	W Main St/Luther Curtis Rd	Church Ave to Lee Mays Blvd	Rehabilitate and widen W Main St/Luther Curtis Rd from 2 to 3 lanes; add center turn lane and install 12 ft Shared Use Path (SUP).	33	7	\$3,506,528	\$2,958,262	2023		
H30-05b	0909-36-171	Warrior's Path Phase 2	FM 2410 (E Knights Rd) to Pontotoc Trace	Upgrade Warriors Path by adding a left turn lane, reconstructing the curb & gutter, adding a 6 ft sidewalk on the west side of the road and a 10 ft Shared Use Path (SUP) on the east side of the road.	36	8	\$5,455,014	\$3,581,020	2023	H	
S45-01	0909-36-183	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pulverize the existing asphalt, stabilize the remaining base and apply two inch HMA surface along Royal Street from Smith Branch Rd to FM 2268; install ribbon curb on both sides of the road.	46	9	\$1,171,455	\$1,005,200	2023		
K45-03	0909-36-185	W Rancier Ave	Ft Hood St (SH 195) to W S Young Dr	Construct 6 ft wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks along W Rancier Ave.	1	1	\$3,853,727	\$3,240,000	2024		
B45-02	0015-05-051 0015-18-007	E 6th Ave Sidewalk	SH 317 (Main St.) to IH-35	Construct 5 ft sidewalks along both sides of E 6th Ave (FM 93) from SH 317 (Main St) to IH-35.	2	2	\$3,516,414	\$2,550,480	2026		
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 and bike trail along the old Georgetown Railroad route between 31st St and 5th St.	3	3	\$2,336,487	\$1,123,503	2023		
S45-03	0909-36-187	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible sidewalks adjacent to Williams Rd from FM 2484 to W Village Rd.	19	5	\$769,585	\$647,024	2024		

Item 8:
Resolution 2023-02
TAM

Resolution 2023-02
Transit Asset Management (TAM) Performance Targets

The Transit Asset Management Performance Rule, found in 49 CFR 625, establishes performance measures to assess the condition of regional transit networks as defined as State of Good Repair (SOGR) and documented in a transit agency's Transit Asset Management Plan (TAMP).

HCTD evaluates all assets annually using SOGR ratings and their useful life benchmark (ULB) in the TAMP and utilizes the data as part of their overall maintenance strategy and to determine compliance with performance benchmarks.

In March 2018, January 2019, March 2020, May 2021, and March 2022 the KTMPO Policy Board approved support of HCTD's Transit Asset Management Performance Targets.

Schedule:

- **January 11, 2023 – TAC discussion regarding TAM Performance Targets for FY 2023**
- January 18, 2023 – TPPB discussion regarding TAM Performance Targets for FY 2023
- February 1, 2023 - TAC recommends approval of Resolution 2023-02 supporting TAM Performance Targets for FY 2023
- February 15, 2023 - TPPB approves Resolution 2023-02 supporting TAM Performance Targets for FY 2023

Action Needed: No action needed; for discussion only.

Transit Asset Management Plan (TAMP) Annual Report 2023

The table below shows a summary of HCTD's assets regarding number of assets per category, average age of assets in category, and the average State of Good Repair (SOGR) rating for each category. Further information can be found in the Transit Asset Management Plan and in the State of Good Repair reports for each asset. All vehicles, amenities, and assets are owned by HCTD.

<i>Type</i>	<i># of Assets</i>	<i>Avg. Age</i>	<i>Avg. SOGR Rating</i>
Admin Support Vehicles	0		
Urban Support Vehicles	15	13	1.6
Temple FRS Buses	6	11	3.4
Temple STS Cutaway	24	11	2.0
Temple STS Vans	0		
Killeen FRS Buses	15	8	3.1
Killeen STS Cutaway	19	6	3.6
Killeen STS Vans	5	13	1.6
Rural Support	2	16	2.7
Rural DR Cutaway	29	8	3.3
Rural DR Vans	19	10	3.0
Shelters	177	13	3.5
Maintenance Equipment	44	9	2.6
Buildings	6	10	4.8
Total Support Vehicles	17	14	2.2
Total FR Buses	21	9	3
Total STS &DR Cutaways	72	8	3.0
Total STS &DR Vans	24	11	2.7
Total	361	11	3.2

The table below displays how many assets are at the end of their lifecycles. Further information can be found in the Transit Asset Management Plan and in the State of Good Repair report for each asset. All vehicles, amenities, and assets are owned by HCTD. A detailed inventory is provided in the full TAMP.

				Percentage of Assets that have exceeded their ULB	
Asset Category		Total # of Assets	# of Assets that exceed their ULB		
Urban Vehicle Type	Admin Support Vehicles	0	0		
	Urban Support Vehicles	15	14	93.3%	
	Temple FRS Buses	6	3	50.0%	
	Temple STS Cutaway	24	21	87.5%	
	Temple STS Vans	0	0		
	Killeen FRS Buses	15	7	46.7%	
	Killeen STS Cutaway	19	11	57.9%	
	Killeen STS Vans	5	5	100.0%	
	Urban Fleet	84	61	72.6%	
Rural Vehicle	Rural Support	2	2	100.0%	
	Rural DR Cutaway	29	24	82.8%	
	Rural DR Vans	19	14	73.7%	
	Rural Fleet	50	40	80.0%	
Total Rolling Stock		134	101	75.4%	=< 30%
Total Maintenance Equipment		44	24	54.5%	=< 30%
Total Buildings		6	0	0.0%	=< 30%

Categorical
Target

Transit Asset Management Plan Inventory Instructions

This report is to be completed by HCTD's maintenance department and lists information on the SOGR (State of Good Repair) reports for each piece of equipment required for The HOP's operations. Utilizing this report, the status of all equipment can be evaluated and a five-year plan can be generated for repair and replacement. All assets are to be entered into the report with each tab corresponding to the following categories:

Fleet	Vehicles (buses and support vehicles)
Amenities	Passenger amenities (shelters)
Equipment	Equipment for operations (forklift, bus wash, fuel tanks)
Buildings	HCTD Buildings (each building at the Belton site, San Saba office)

The life cycle years and life cycle mileage are determined by the specifications set forth by the asset's manufacturer. The manufacture year is the year in which the asset was manufactured and placed into operation. The current mileage is the mileage of the asset as of the date the SOGR was completed where applicable. The 'SOGR' column is for entering the score (1-5) as determined by the SOGR report. The replacement due year is determined by adding the life cycle to the manufacture year. The replacement due mileage is determined by subtracting the current mileage from the life cycle mileage. The description is for small descriptors of the asset (designated division, etc.) The Priority Rating is a scale from one to three rating the priority of the asset in terms of priority of item replacement. The priority ratings are as follows:

Priority rating

- 1 *Hig priority - exceeded life; SOGR 0.1 - 1.67*
- 2 *Mid priority - exceeded life, SOGR 1.68 - 3.34*
- 3 *Low priority - exceeded life, SOGR 3.35 - 5.00*

The action level is an evaluation of the recommended action of an asset based on the following levels:

Action level

- 1 *Must replace*
- 2 *Evaluate - determine whether to repair or replace*
- 3 *Evaluate & make repairs*

After completion of this report, each page will need to be printed and signed at the bottom of the page by the Fleet Manager/Shop Supervisor. Afterward, this report will need to be turned in to the Urban Director.



RESOLUTION NO. 2023-02

A RESOLUTION OF THE KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION ANNUAL ADOPTION OF TARGETS FOR FEDERAL TRANSIT ADMINISTRATION TRANSIT ASSET MANAGEMENT PERFORMANCE MEASURES ESTABLISHED BY HILL COUNTRY TRANSIT DISTRICT.

WHEREAS; Hill Country Transit District (HCTD) serves as the transit operator and designated recipient for federal transit funding within the urban service area; and

WHEREAS; HCTD established State of Good Repair performance targets and objectives for both their urban and rural systems in their Transit Asset Management Plan (TAMP) as required under the Transit Asset Management (TAM) Final Rule by the Federal Transit Administration (FTA); and

WHEREAS; the TAMP supports the basic objective of ensuring all equipment is in a State of Good Repair (SOGR) and is utilized as a tool to guide HCTD asset maintenance decisions; and

WHEREAS; and all HCTD assets including, fleet vehicles, maintenance equipment, and facilities are evaluated using SOGR Ratings; and

WHEREAS; the performance target is to have less than 30% of the assets within each group exceed their useful life benchmark (ULB); and

NOW, THEREFORE, BE IT RESOLVED that the Killeen-Temple Metropolitan Planning Organization (KTMPO) Transportation Planning Policy Board agrees to adopt HCTD's State of Good Repair urban and rural performance targets identified in the TAMP as the MPO performance targets for the region for 2023; and

WHEREAS; the KTMPO Policy Board authorizes future revisions of HCTD's TAMP to be administratively approved by KTMPO and presented to the Technical Advisory Committee and Policy Board; and

BE IT FURTHER RESOLVED that the KTMPO Policy Board will plan and program projects that contribute to the accomplishment of said targets.

PASSED AND ADOPTED on this 11th day of January 2023, at a regular meeting of the KTMPO Policy Board, which was held in compliance with the Open Meetings Act, Texas Government Code, 551.001, *et seq.*, and at which meeting a quorum was present and voting.

ATTEST:

Judge Roger Miller, KTMPO TPPB Chair

Uryan Nelson, KTMPO Director

Item 9:
Resolution 2023-03
PTASP

Resolution 2023-03
Public Transportation Agency Safety Plan (PTASP) Performance Targets

The Transit Safety Performance Rule, found in 49 CFR 673, establishes performance measures to assess the safety management systems of regional transit networks documented in a transit agency's Public Transit Agency Safety Plan (PTASP). These performance targets measure the safety management activities an agency undertakes and evaluate how well agency's safety management systems are performing.

KTMPO initially adopted Hill Country Transit District (HCTD) Safety Performance Targets and objectives for the transit system as the MPO performance targets for the region on December 16, 2020 as required under Federal Transit Administration's (FTA) Public Transit Agency Safety Plan (PTASP) Final Rule.

In March 2021 and April 2022 the KTMPO Policy Board approved support of HCTD's Public Transit Agency Safety Plan Performance Targets.

Schedule:

- **January 11, 2023 – TAC discussion regarding PTASP Performance Targets for FY 2023**
- January 18, 2023 – TPPB discussion regarding PTASP Performance Targets for FY 2023
- February 1, 2023 - TAC recommends approval of Resolution 2023-03 supporting PTASP Performance Targets for FY 2023
- February 15, 2023 - TPPB approves Resolution 2023-03 supporting PTASP Performance Targets for FY 2023

Action Needed: No action needed; for discussion only.

Fixed Route (Bus) Safety Performance Targets

Mode	Baseline	Target
Fatalities	0	0
Rate of Fatalities*	0	0
Injuries	1	0
Rate of Injuries	0.00016%	0.0000%
Safety Events	2	1
Rate of Safety Events	0.00038%	0.00017%
Mean Distance Between Major Mechanical Failure	9,383 VRM	10,321 VRM

Demand Response Safety Performance Targets

Mode	Baseline	Target
Fatalities	0	0
Rate of Fatalities*	0	0
Injuries	3	2
Rate of Injuries	0.00018%	0.00012%
Safety Events	5	3
Rate of Safety Events	0.00029%	0.00018%
Mean Distance Between Major Mechanical Failure	17,584 VRM	19,342 VRM



RESOLUTION NO. 2023-03

A RESOLUTION OF THE KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION ANNUAL ADOPTION OF HILL COUNTRY TRANSIT DISTRICT'S PUBLIC TRANSPORTATION AGENCY SAFETY PLAN AND PERFORMANCE TARGETS.

WHEREAS; United States Code, Title 49. Transportation, Subtitle III General and Intermodal Programs, Chapter 53 Public Transportation, Section 5307 Urbanized Area Formula Grants provides that public transportation agencies prepare and maintain an agency safety plan. On July 19, 2018, Federal Transit Administration (FTA) published the Public Transportation Agency Safety Plan (PTASP) Final Rule, which requires certain operators of public transportation systems that receive federal funds under FTA's Urbanized Area Formula Grants to develop safety plans that include the processes and procedures to implement Safety Management Systems (SMS); and

WHEREAS; Hill Country Transit District (HCTD) serves as the transit operator and designated recipient for federal transit funding within the urban service area and has published a PTASP as required by FTA; and

WHEREAS; the KTMP, which serves as the metropolitan planning organization (MPO) for the Killeen-Temple Metropolitan Area, has the responsibility under the provisions of Fixing America's Surface Transportation (FAST) Act for developing and carrying out a continuing, cooperative and comprehensive transportation planning process for the Metropolitan Area; and

WHEREAS; pursuant to KTMP's responsibilities as the MPO for the region must agree with such PTASP, concur in the performance targets, and accept such targets as being applicable to the Hill County Transit District in the Killeen-Temple Metropolitan Area; and

WHEREAS; The Hill Country Transit District has set the following 7 performance measure targets for 2 modes (fixed route and demand response) based on total numbers reported and rate per Vehicle Revenue Mile (VRM)

1. Fatalities; 0 (Fixed Rate), 0 (demand response)
2. Rate of Fatalities; 0 (fixed route), 0 (demand response)
3. Injuries; 0 (fixed route), 2 (demand response)
4. Rate of Injuries; 0.00000% (fixed route), 0.00012% (demand response)
5. Safety Events; 1 (fixed route), 3 (demand response)
6. Rate of Safety Events; 0.00017% (fixed route), 0.00018% (demand response)
7. Mean Distance Between Major Mechanical Failure; 10,321 VRM (fixed route), 19,342 VRM (demand response)

NOW, THEREFORE, BE IT RESOLVED that the Killeen-Temple Metropolitan Planning Organization (KTMP) Transportation Planning Policy Board agrees to support and adopt the Hill Country Transit District PTASP and associated performance targets as the MPO performance targets for



the region and reflect these targets in the Transportation Improvement Program and Metropolitan Transportation Plan; and

WHEREAS; the KTMPO Policy Board authorizes future revisions of HCTD's to be administratively approved by KTMPO and presented to the Technical Advisory Committee and Policy Board; and

BE IT FURTHER RESOLVED that the KTMPO Policy Board will plan and program projects that contribute to the accomplishment of said targets.

PASSED AND ADOPTED on this 11th day of January 2023, at a regular meeting of the KTMPO Policy Board meeting which was held in compliance with the Open Meetings Act, Texas Government Code, 551.001, *et seq.*, and at which meeting a quorum was present and voting.

ATTEST:

Judge Roger Miller, KTMPO TPPB Chair

Uryan Nelson, KTMPO Director

Item 10:
Public Input Received

Public Input Received

KTMP 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

FY22-23

Date	Name	Means of Public Comment	Public Comment	Date Comment Was Presented to TAC	Public Comment Topic	Jurisdiction
5/13/2022	Thomas Dyer	Email	Your project in Copperas Cove down the middle of US 190 is terrible. We didn't ask for it. We didn't vote for it. We don't want it.	7/6/2022	Roadway	Copperas Cove
8/13/2022	Peter Stanonik	Email	<p>Reference Project K30-13a from your March 2022, Category 7 Listing. I have just re-read this article from November of 2019. If the article is accurate, then you, KTMP, are the hold up to public safety. A cursory look at public comments on the Killeen Daily Herald Facebook page, tells you ordinary citizens can already see the hazards of increased traffic on Chaparral Road. I challenge you to address the public's safety and mobility concerns in your response. I can't think of a scenario where you can objectively defend a 2025 Let Date for this project. If Killeen, Harker Heights, Bell County and KISD have all ponied up their money then you get your behind in gear and get this done.</p> <p>Don't tell me it can't be done either. Bell County citizens voted down two bond proposals for a court/jail complex, so the county went to the state to get it approved because of "public safety". They have their complex now \$130 million later. Things can get done when you want them to get done. Traffic control devices were finally put at the intersection of Chaparral and SH195. It only took two or three traffic fatalities before you leaders listened to the common sense of the people. The county has put up mobile signs warning of delays starting August 15th so apparently everyone knows it coming except KTMP.</p> <p>So has KTMP submitted requests for funds from the recently passed Federal Infrastructure bill? Why aren't funds already available if the other government entities have ponied up? Seems like half the project could be done already with their monies. Plus waiting to get all the funds means the price tag is just going to keep rising. Regular folk do part of project for the money they have then continue it as they save up more. At least I do.</p> <p>And now KISD is building a middle school in the same area that is supposed to be open in Fall of 2024. And the developers are putting 3750 homes in Turnbo Ranch and 1250 homes in Thousand Oaks. Somebody needs to get with the program of getting us citizens some mobility and safety, but quick!</p>	9/7/2022	Roadway	Killeen
8/26/2022	Thomas Dyer	Email	<p>I haven't written lately, and I didn't want you to think my silence was a form of acceptance, or even worse. approval. Let me be succinct, your tyrannical plans have greatly and negatively impacted the city of Copperas Cove. As if the pandemic hadn't been hard enough on our community, then your group of glorified know-nothings come along and forcibly mar and scar the entrance to our town. We didn't want it, 3 times we voted it down. WE DIDN'T WANT IT! We still don't. Yet our businesses are suffering, many losing 30-40% of the business they had prior. And this is what you wanted, not us. The entire project makes no sense, the turn spots are just punitive. If you absolutely HAD to do something then just removing the blacktop in the center turn lane and replacing it with brick would have been more aesthetically pleasing. But now we are still losing a lane on each side, and have an eye-sore thru the middle of town killing our businesses, and you went around the citizens to make it happen.</p> <p>Have a nice day, I hope your socks fall down.</p>	9/7/2022	Roadway	Copperas Cove

9/24/2022	Thomas Dyer	Email	Having survived another week of interaction with the flaming abomination of a KTMPO scar in our city, I thought it prudent to submit a comment of my utter disdain for the unwelcomed Cesarean section of our Business 190. On an up note, we had almost run out of empty business spots, but with the super business killer slashing down through our town, we are able to see new empty spots where a business once stood! In my own defense, I seem to be stuck in the second stage of grief, or the 27th stage of sarcasm. Either way, thanks for helping me with this as well.	11/2/2022	Roadway	Copperas Cove
10/3/2022	Thomas Dyer	Email	Happy Monday, I wonder if any of you have been to observe the abysmal laceration you have wrought on our community. We spent a lot of time and effort to gain capacity on our thoroughfare. Now we are being told that we needed this alteration, that we really did want this scar across our city. We, the citizens, voted against projects like this more than once. But we really didn't know what is best for ourselves, it would seem. So since we wouldn't vote to float the note, y'all went around the citizens and got the money from the state. In the meantime we have added more houses, and folks to fill them, and somehow we are to believe that removing two lanes is going to make traffic better. So reducing capacity is increasing capacity? Wait, what? And a bike lane for all the non-existent bikers, and a center median to make turning punitive. Thank you for inflicting this abomination on us, I feel better just knowing you know what is best for us. Maybe you could stop by and talk to the business owners who are being negatively impacted by your (anti) Business 190.	11/2/2022	Roadway	Copperas Cove
11/25/2022	Glenn Morton	Facebook Comment	I have never seen a hop bus with more than a couple passengers ... the ktmpo needs to look at eliminating unprofitable routes.	12/7/2022	Public Transportation	KTMPO

Grant Opportunities

- **TxDOT FY23 Statewide Transportation Alternatives (TA) Call for Projects**

Call opens on December 2

Texas Department of Transportation (TxDOT)

Description: The purpose of the TA Call for Projects is to fund transportation alternative projects. Any community eligible to apply. Includes large projects, quick-turnaround improvement, and non-infrastructure awards (SRTS programs, active transportation plans, etc.)

Estimated Funding Available:

[Click Here](#) for more information!

- **Texas Natural Gas Vehicle Grant Program (TNGVGP):**

Deadline March 31, 2022

Texas Commission on Environmental Quality (TCEQ):

Description: The purpose of this grant program is to provide funds to entities that own or operate heavy- or medium-duty motor vehicles to repower the vehicle with a natural gas engine or replace the vehicle with a natural gas vehicle.

Estimated Funding Available: \$34,000,000

[Click Here](#) for more information!

- **FY 2023 National Infrastructure Investments (RAISE Grant)**

Deadline February 28, 2023

U.S. Department of Transportation

Description: The RAISE program enables DOT to use a rigorous merit-based process to select projects with exceptional benefits, explore ways to deliver projects faster and save on construction costs, and make needed investments in our Nation's infrastructure.

FY 2023 RAISE Transportation program are to be awarded on a competitive basis for projects that will have a significant local or regional impact.

Award Ceiling: \$1,500,000,000

Award Floor: \$1,000,000

[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

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Judge Roger Miller

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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 (2022-2031) Projects with Allocated Funding as of August 2022 and Listed in the Transportation Improvement Program (TIP)

CATEGORY 2 PROJECTS (METROPOLITAN CORRIDORS)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$35,514,000	2026		Allocation: \$39,010,900 FY23-26 UTP Fiscal Constraint: \$68,585,914
C45-02	3623-01-008	SH 9 Turnaround	SH 9 to Business 190	Construct an interchange turnaround from eastbound SH 9 to westbound Business 190	20	6	\$2,918,425	\$2,156,000	2025		
T45-18	0320-01-079	SH 95 Turn Lanes	Barnhardt Rd to 0.6 mi. S of Barnhardt Rd	Construct turn lanes on the west side of SH 95 for acceleration and deceleration	22	25	\$1,596,066	\$1,340,900	2023		

CATEGORY 4 PROJECTS (STATEWIDE CONNECTIVITY)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
W35-01	0231-01-003 0231-19-003 0231-02-067	US 190 Bypass	0.6 mi W of FM 2657 to 0.15 mi E of Clarke Rd	Widen from two lane to four lane divided highway and construct interchanges.	3	3	\$86,366,510	\$36,950,000	2026		Allocation: \$36,950,000 FY23-26 UTP Fiscal Constraint: \$101,065,650

CATEGORY 7 PROJECTS (SURFACE TRANSPORTATION PROGRAM-METROPOLITAN MOBILITY)

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
K30-13a	0909-36-175	Chaparral Rd Phase 1	SH 195 to E Trimmier Rd	Widen Chaparral Rd between SH 195 and E Trimmier Rd from 2 lanes to 4 lanes with a continuous center turn lane. Add 8 ft bicycle lane and 5 ft sidewalk or Shared Use Path (SUP) on both sides of the road.	1	1	\$15,282,838	\$12,880,000	2025		Allocation: \$42,725,223 (includes transit) FY23-26 UTP Fiscal Constraint: \$25,980,542
T40-07a	0909-36-168	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen Old Waco Rd (future Outer Loop West) from two lane to four lane divided roadway with a curb and gutter, Phase 1.	17	4	\$17,442,689	\$10,298,198	2023	P, H	
N40-03	0909-36-184	Old Nolanville Rd Bridge	Bridge on Old Nolanville Rd to IH-14	Reconstruct bridge on Old Nolanville Rd at South Nolan Creek and add a SUP (Shared Used Path) next to the roadway from the Bridge to IH-14.	9	5	\$2,289,448	\$1,924,841	2023	—	
D45-01	0909-36-186	W Main St/Luther Curtis Rd	Church Ave to 0.4 mi. W of Lee Mays Blvd	Rehabilitate and widen W Main St/Luther Curtis Rd from 2 to 3 lanes; add center turn lane and install 12 ft Shared Use Path (SUP).	33	7	\$3,748,266	\$3,200,000	2023		
H30-05b	0909-36-171	Warrior's Path Phase 2	FM 2410 (E Knights Rd) to Pontotoc Trace	Upgrade Warriors Path by adding a left turn lane, reconstructing the curb & gutter, adding a 6 ft sidewalk on the west side of the road and a 10 ft Shared Use Path (SUP) on the east side of the road.	36	8	\$5,455,014	\$3,581,020	2023	H	
S45-01	0909-36-183	Royal St Improvements	Smith Branch Rd to FM 2286 (Main St)	Pulverize the existing asphalt, stabilize the remaining base and apply two inch HMAc surface along Royal Street from Smith Branch Rd to FM 2268; install ribbon curb on both sides of the road.	46	9	\$1,171,455	\$1,005,200	2023		
K45-03	0909-36-185	W Rancier Ave	Ft Hood St (SH 195) to W S Young Dr	Construct 6 ft wide concrete sidewalk, pedestrian signals, ADA ramps and crosswalks along W Rancier Ave.	1	1	\$3,853,727	\$3,240,000	2024		
B45-02	0015-05-051 0015-18-007	E 6th Ave Sidewalk	SH 317 (Main St.) to IH-35	Construct 5 ft sidewalks along both sides of E 6th Ave (FM 93) from SH 317 (Main St) to IH-35.	2	2	\$3,516,414	\$2,550,480	2026		
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 and bike trail along the old Georgetown Railroad route between 31st St and 5th St.	3	3	\$2,336,487	\$1,123,503	2023		
S45-03	0909-36-187	Williams Road Sidewalks	FM 2484 to W Village Rd	Construct ADA accessible sidewalks adjacent to Williams Rd from FM 2484 to W Village Rd.	19	5	\$769,585	\$647,024	2024		

MPO CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE PROGRAM)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
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 and bike trail along the old Georgetown Railroad route between 31st St and 5th St.	3	3	\$2,336,487	\$476,497	2023		Allocation: \$1,895,677 FY23-26 UTP Fiscal Constraint: \$1,576,040
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 on 13th Ave between Main St and Waco Rd; add striping for a bike lane on the south side of the road.	7	4	\$619,474	\$423,611	2023	P	
N40-05	2057-01-012	FM 439 Spur Connectivity	Main St to North Dr	Construct a 10 ft wide shared use path (SUP), with ADA ramps & crosswalks along the west side of FM 439 Spur.	6	4	\$1,129,175	\$995,569	2023		
STATEWIDE CATEGORY 9 PROJECTS (SAFE ROUTES TO SCHOOL PROGRAM)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
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	\$280,225	\$277,571	2022	N/A	Allocation: \$1,112,625 Fiscal Constraint: n/a
R45-01	0909-36-188	Bartlett Elementary Safe Routes to School	Robinson St to N Evie St, south to Bell St	Construct approximately 2,050 linear ft of 6 ft wide reinforced concrete sidewalk with crosswalk, 2 ADA curb ramps and signage to cross SH 95. Additional signage and 5 crosswalks with 10 ADA curb ramps will be added to other local cross streets.	N/A	N/A	\$860,748	\$835,054	2024	N/A	
CATEGORY 10 PROJECTS (SUPPLEMENTAL TRANSPORTATION PROGRAMS)											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
T40-07a	0909-36-168	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen Old Waco Rd (future Outer Loop West) from two lane to four lane divided roadway with a curb and gutter, Phase 1.	17	4	\$17,442,689	\$5,000,000	2023	P, H	Allocation: \$10,000,000 Fiscal Constraint: n/a
T35-36a	0320-01-074	Ave O	0.15 mi S of Ave O	Reconstruct and widen to a 4 lane divided arterial with curb & gutter, enhanced landscaping and lighting, sidewalks, and trails.	11	15	\$11,690,396	\$5,000,000	2026		
CATEGORY 3 LOCALLY FUNDED PROJECTS											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
C45-01	3623-01-004	Fort Hood Access Ramps	Old Georgetown Rd to BNSF Railway	Construct exit ramp from SH 9 to Tank Destroyer Blvd from and entrance ramp from Old Georgetown Rd to SH 9.	N/A	N/A	\$6,181,758	\$5,015,690	2026	—	Local Contribution (Cat 3) Allocation: \$14,966,738 Fiscal Constraint: n/a
B45-13	0909-36-192	E Central Ave Bridge Replacement	E Central Ave Bridge @ Nolan Creek to Spring St	Remove the E Central Ave bridge over Nolan Creek. Extend Spring St east and construct new bridge over Nolan Creek; reconnect to Central Ave on east side of the creek.	N/A	N/A	\$6,177,511	\$4,435,426	2026		
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 and bike trail along the old Georgetown Railroad route between 31st St and 5th St.	3	3	\$2,336,487	\$400,000	2023		
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 on 13th Ave between Main St and Waco Rd; add striping for a bike lane on the south side of the road.	7	4	\$619,474	\$115,622	2023	P	
T35-36a	0320-01-074	Ave O	0.15 mi S of Ave O	Reconstruct and widen to a 4 lane divided arterial with curb & gutter, enhanced landscaping and lighting, sidewalks, and trails.	11	15	\$11,690,396	\$5,000,000	2026		
TRANSIT PROJECTS											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²	MPO Approved Funding	Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
A45-02	0909-36-191	HCTD Bus Replacement	Killeen UZA - Four, Temple UZA - Two	Purchase buses to provide transportation.	N/A	N/A	\$2,354,957	\$2,354,957	2024	—	(Cat 7) Allocation: \$2,354,957 Fiscal Constraint: see above
GROUPED PROJECTS											4 Year Total TIP Allocation: \$127,015,545 *Excludes grouped projects, matches current TIP financial summary
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	FY2023-2026 TIP						10 Year Total UTP Fiscal Constraint: \$275,205,025
G01-PE	Various CSJs	Preventative Projects	Various Locations	Various Descriptions	\$0						MTP 10 Year Short Range Fiscal Constraint: \$49,500,000
G03-MT	Various CSJs	Maintenance Projects	Various Locations	Various Descriptions	\$83,664,398						MTP Long Range Fiscal Constraint: \$405,700,000
G04-BR	Various CSJs	Bridge Projects	Various Locations	Various Descriptions	\$22,016,200						
G06-SA	Various CSJs	Safety Projects	Various Locations	Various Descriptions	\$5,296,852						
G07-LA	Various CSJs	Landscaping Projects	Various Locations	Various Descriptions	\$187,200						
G09-BP	Various CSJs	Bike & Pedestrian Projects	Various Locations	Various Descriptions	\$603,413						

Proposed Roadway, Transportation Choices/Livability, Transit, and Preventative Maintenance Projects											
ROADWAY PROJECTS											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²		Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
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	2	2	\$21,280,000		2025		Categories 2, 7 Years 5-10 Short Range Allocations: \$191,206,400 UTP 10-Year Fiscal Constraint: \$298,473,423 Available: \$532,130 *Available = UTP constraint - TIP allocations - Short Range Cat 2, 7, 9 allocations
T40-07b	0909-36-174	Outer Loop West Phase 2	Riverside Trail to IH-35 Frontage Rd	Widen and new construction 4 ln, trail	6	4	\$28,000,000		2027	P, H	
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	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	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	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	12	16	\$16,800,000		2026	EJ, H, P	
W35-07	0320-06-008	Loop 363	Lucius McCelvey Dr to Industrial Blvd	Expand to 4 ln, intersections @ Lucius McCelvey & Industrial	16	20	\$50,400,000		2025	H	Categories 2, 7 Years 11-25 Long Range Allocations: \$466,097,128 MTP Long Range Fiscal Constraint: \$364,100,000 Available: -\$101,997,128
T15-06k	0015-14-109	IH 35	US 190 to LP 363	Widen from 6 ln to 8 ln	5	11	\$308,000,000		2031	EJ, H	
W30-23	0184-04-051	US 190	FM 1741 to FM 436	Expand to 4 FRWY with grade separation and FRTG	10	14	\$115,360,000		2029		
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	13	17	\$15,153,600		2027		
K30-23	N/A	Jasper Dr overpass	Daisy Dr to S 2nd St	Widen to 8 ln	14	18	\$27,583,528		TBD		Regionally Significant Unfunded List: \$530,942,577
K40-11	N/A	W S Young Dr	Illinois Ave to Elms Rd	Access management	15	19	\$15,680,000		TBD		
K40-24	N/A	Featherline Rd	Stagecoach Rd to Chaparral Rd	Widen to 4 CLT with roundabouts at Stagecoach and W S Young	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	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	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	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	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	23	27	\$5,264,000		2027		
W35-03	N/A	SH 195	FM 3470 to Chaparral Rd	Expand to 4 FRWY with FRTG	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	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	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	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	28	32	\$8,400,000		TBD		
K40-17	N/A	W Trimmier Rd	Stagecoach Rd to Chaparral Rd	Widen to 4 CLT	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	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	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	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	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	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	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	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	39	41	\$4,631,200		2023		
W30-21	N/A	Loop 363 Intersection	LP 363 @ FM 2305	Reconstruct the interchange	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	42	43	\$9,689,120		2027		Regionally Significant Unfunded List: \$530,942,577
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	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	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	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	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	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	49	49	\$13,238,400		TBD		
N40-06	N/A	Railroad Crossing Safety	RR Crossings @ Pleasant Hill Rd, N 5th St, Main St, & Jackrabbit Rd	Upgrade RR crossings	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	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	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	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	54	54	\$1,579,200		2024		
N40-12	N/A	Paddy Hamilton Rd/Jackrabbit Rd	IH-14 @ Paddy Hamilton Rd to IH-14 @ Jackrabbit Rd	Widen roads with shoulders	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	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	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	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	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	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	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	—	
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	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	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	--	
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	—	
W30-06	N/A	Killeen Airport Entrance	SH 201 at Killeen Airport Entrance	Construct interchange	N/A	N/A	N/A		N/A	EJ, H	
H30-05c	N/A	Warriors Path Upgrade Phase 3	Nolan Middle School to Old Nolanville Rd (northern limit)	Upgrade existing roadway and sidewalks; add traffic signal at Old Nolanville Rd	N/A	N/A	\$9,150,700		N/A	No	

TRANSPORTATION CHOICES/LIVABILITY PROJECTS											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²		Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
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.	7	8	\$3,360,000		TBD		Category 9: Years 5-10 Short Range Allocations: \$18,934,384 UTP 10-Year Fiscal Constraint: \$254,490,702 Available: -\$299,133
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	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.	4	6	\$8,400,000		TBD		
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	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	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	10	11	\$644,000		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
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	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	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	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	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	15	16	\$672,000		2025		
T25-05	N/A	FM 2271 Trail	FM 2305 to Miller Springs Nature Area	Construct 8 ft wide trail	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	17	18	\$436,837		2025		
S45-04	N/A	Thomas Arnold Road Sidewalks	Salado School Rd to IH-14	Construct ADA accessible concrete sidewalks.	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.	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	21	21	\$856,800		2025		
S45-05	N/A	West Village Road Sidewalks	Thomas Arnold Rd to Williams Rd	Construct ADA accessible concrete sidewalks.	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	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	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	—	Unscored/Unfunded List
S40-04b	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	\$2,223,044		N/A	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	\$1,300,000		N/A	EJ, ARZ	

TRANSIT PROJECTS											
KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Ranking ¹	Prioritized List ¹	Estimated Cost ²		Estimated Let Date ³	Environmental Considerations ⁴	Funding ^{5,6}
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.

²Note: Estimated Cost shows the **approved construction amount** for each project covered by federal and state sources. Categories 2 & 9SRTS are 100% covered by these sources, Categories 7 & 9TAP are 80% covered by these sources. See latest KTMPO TIP for full project financial information.

³Estimated Let Date for TIP projects based on latest information provided by TxDOT and the project sponsor. For Long Range projects, the date listed was provided by the sponsor when they submitted the project.

⁴Environmental 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.

Environmental 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

*Note - for full information and details regarding the project selection process, project ranking discussions, determination of project funding, and any other topic please visit the KTMPO website (www.ktmpo.org) and search the meeting minutes and/or meeting recording files. The information provided here is for informational purposes only and is subject to frequent change.

MTP Amendment Dates			
July 17, 2019*	April 15, 2020	July 21, 2021	July 20, 2022*
September 18, 2019*	September 16, 2020	September 22, 2021	December 14, 2022
October 23, 2019	January 13, 2021	January 19, 2022	
February 19, 2020*	April 21, 2021*	March 16, 2022*	

* Administrative Amendments

⁵Fiscal 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

⁶**Funding/Fiscal Constraint Notes (Cat 2, 7, 9):**

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 ⁵)

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 exhausted, 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 7 and Category 9 funding estimates.

Projects in the Roadway Track are allocated funding from the latest Category 2 and Category 7 funding estimates.

Current UTP Estimates by Category (2021-2030):

Category 2 - \$189,232,733

Category 7 - \$61,317,869

Category 9 - \$3,940,100

Current MTP Estimates by Category (2030-2045):

Category 2 - \$115,800,000

Category 7 - \$216,900,000

Category 9 - \$41,600,000

*Note - funding for projects in this list is not guaranteed 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

KTMP ID	CSJ Number	Project Name	Project Limits	Project Description	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	\$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	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	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	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	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	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	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	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	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	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)	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	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	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	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	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	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	\$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	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	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	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	\$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	\$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	2	11	\$6,200,000	2021	Yes	EJ, L, H	FY21 Cat 8 Allocation: \$6,200,000
C30-03b	0231-02-062	Business US 190 Phase I	FM 1113 (Avenue D) to Constitution Dr	Construction of a raised median and conversion of one travel lane in each direction to a sidewalk/bicycle lane	4	4	\$10,420,000	2021	Yes	EJ	FY21 Cat 2M Allocation: \$10,000,000 FY21 Cat 10 Allocation: \$420,000
B40-05	0909-36-163	Belton Hike and Bike Trail Extension South (South Belton Shared Use Path)	IH-35 from FM 436 to Confederate Park Dr	Construct 12 ft wide hike and bike trail. Project will extend along FM 436, IH-35 northbound frontage road and Confederate Park Drive.	N/A	N/A	\$1,582,363	2021	No	EJ, P	FY21 Cat 9 TASA Allocation: \$1,582,363
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	14	5	\$30,800,000	2021	Yes	EJ, H, P	FY21 Cat 2M Allocation: \$30,800,000
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	2	2	\$1,913,044	2021	Yes	EJ, 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	6	3	\$1,247,042	2021	No	P	FY21 Cat 7 Allocation: \$1,247,042

End of Packet