



# **Technical Advisory Committee Meeting**

**April 1, 2020**

**9:30 a.m.**

# Agenda



**Killeen-Temple Metropolitan Planning Organization  
Technical Advisory Committee (TAC) Meeting  
Wednesday, April 1, 2020  
Central Texas Council of Governments Building  
2180 North Main Street, Belton, Texas 76513**

**Regular Meeting: 9:30 A.M.**

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**AGENDA**

1. Call to Order.
2. Opportunity for Public Comment.
3. Staff Update: KTMPO Meetings; Air Quality (pgs. 5-6).
4. **Action Item:** Regarding approval of the minutes from March 4, 2020 meeting (pgs. 8-9).
5. **Discussion and Action Item:** Regarding recommendation to approve amendments to the FY19-22 Transportation Improvement Program (TIP) and 2045 Metropolitan Transportation Plan (MTP) regarding (pgs. 11-21):
  - a) Troy Mays Middle School SRTS Project,
  - b) T40-15 Adams Ave/Central Ave Bicycle/Pedestrian Improvements,
  - c) SH 9 Tank Destroyer Blvd Project,
  - d) Added language for Safety and Transit performance measure renewal.
6. **Discussion and Action Item:** Regarding recommendation to approve Resolution for May 2020 as National Bike Month (pgs. 23-24).
7. **Discussion Item:** Presentation of CenTex Trails App (pgs. 26-27).
8. **Discussion Item:** Alliance Transportation Group (ATG) discussion on Future Growth Scenario recommendations (pgs. 29-31).
9. **Discussion Item:** Public input received through March 2020 (pgs. 33-34).
10. Member comments.
11. Adjourn.

# **Item 3: Staff Update**

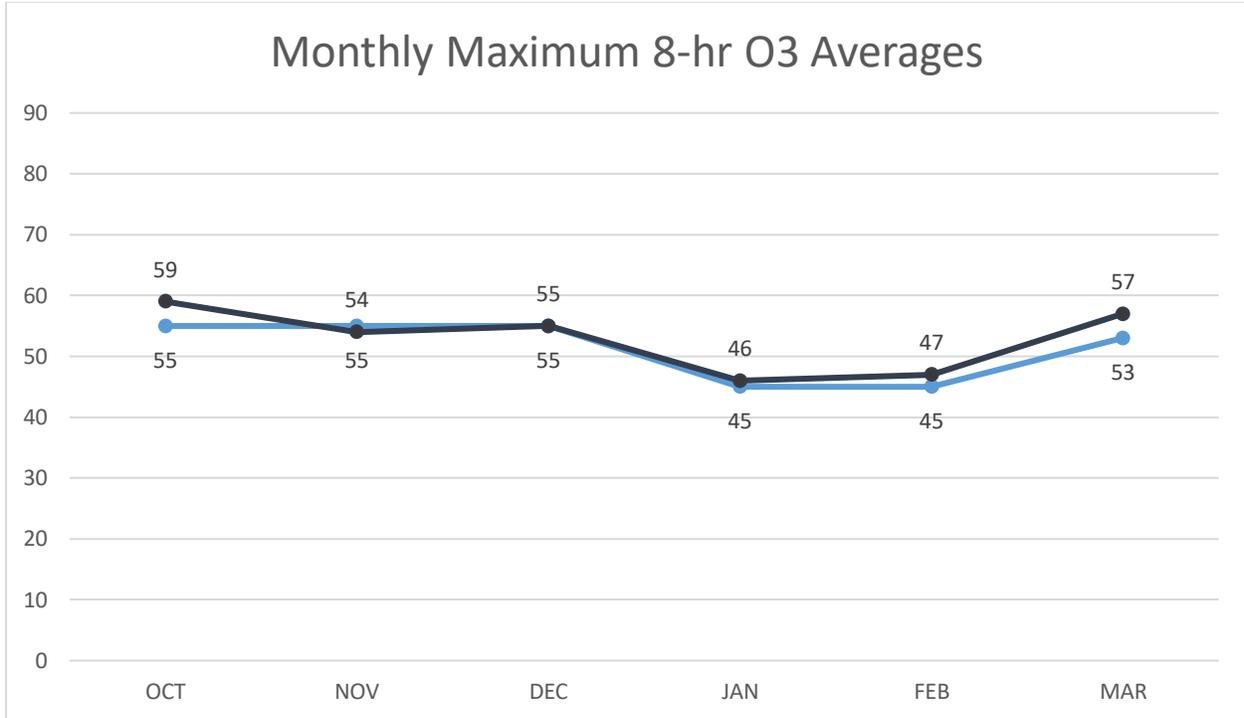
**Staff Update: Upcoming Meetings**

Listed below are the upcoming KTMPO meetings:

- April 15, 2020 – Transportation Planning Policy Board (electronic meeting)
- ~~April 21, 2020 – Planners Roundtable~~ postponed
- May 6, 2020 – Technical Advisory Committee
- May 20, 2020 – Transportation Planning Policy Board
- June 3, 2020 – Technical Advisory Committee
- June 17, 2020- 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).

**Air Quality:**



Compliance with EPA Ozone Standard: 4th Highest Annual Value				3-year average (Calculated on 01 Aug 2019)
	2017	2018	2019	
Temple	72	69	63	<b>68</b>
Killeen	68	72	67	<b>69</b>

**Action Needed:** No action needed; for discussion only.

# **Item 4: Meeting Minutes**



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

Wednesday, March 4, 2020

9:30 AM

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

**Technical Advisory Committee Voting Members**

Cheryl Maxwell—City of Belton	Victor Goebel – TxDOT Waco District
Bobby Lewis—City of Copperas Cove	Bryan Neaves – Bell County
Jason Deckman for Brian Chandler – City of Temple	Judge Roger Miller – Coryell County
Danielle Singh for Kent Cagle – City of Killeen	Darrell Burtner for Carole Warlick – Hill Country
Courtney Peres-Pate for Joseph Molis – City of Harker Heights	Transit District

**Additional Attendees**

Michael Love – Fort Hood	Jim Harvey – ATG
Christi Bonham – TxDOT Waco District	Charlie Sullivan – CDM Smith
Solomon Thomas – TxDOT Bell County	Uryan Nelson – KTMPO
Brigida Gonzales – TxDOT	Kendra Coufal – KTMPO
	James McGill - KTMPO

**Meeting Minutes:**

**1. Call to Order:** Uryan Nelson called the meeting to order at 9:30 a.m.

**2. Opportunity for Public Comment:** No comments were made by the public.

**3. Staff Update:** Advisory Committees; Air Quality.

James McGill informed the TAC of upcoming board and advisory committee meetings. Kendra Coufal stated that the May TAC meeting is being moved to the second week of May because staff will be at a conference during the first week. Air quality readings for the month of February were 47 ppb at the Killeen station and 45 ppb at the Temple station.

**4. Action Item:** Approve minutes from the February 12, 2020 meeting.

**Danielle Singh made a motion to approve the February 12, 2020 meeting minutes, seconded by Jason Deckman; the motion passed unanimously.**

**5. Discussion Item:** Alliance Transportation Group discussion on revisions to the Project Scoring Packet to align with modified scoring criteria.

Jim Harvey of Alliance Transportation Group walked the TAC through the changes being made to the scoring packet. Various comments and recommendations on the changes were made by TAC members.

**6. Discussion Item:** CDM Smith discussion on RVRF weighting criteria.

Charlie Sullivan of CDM Smith gave a short presentation on the weighting factors of each criteria in the RVRF.

**7. Discussion and Action Item:** Recommend initiation of the public involvement process for 2045 MTP and FY19-22 TIP amendments.

Kendra Coufal stated that amendments to the 2045 MTP and FY19-22 TIP were needed to update the description of project T40-15 and to add the Troy Mays Middle School SRTS project, the SH 9 Tank Destroyer Blvd project, and language regarding transit and safety performance measures. Ms. Coufal requested that the TAC recommend initiation of public involvement for proposed amendments to the 2045 MTP and FY19-22 TIP.

**Jason Deckman made a motion to recommend approval of the public involvement process for 2045 MTP and FY19-22 TIP amendments, seconded by Robert Lewis; the motion passed unanimously.**

**8. Discussion and Action Item:** Recommend approval of the draft FY21-24 TIP and the initiation of the public involvement process.

Kendra Coufal informed that the draft FY21-24 TIP was ready to go out for public involvement. Ms. Coufal stated that the public involvement process would include a 30-day public comment period and two public hearings. Ms. Coufal requested that the TAC recommend approval of the draft FY21-24 TIP and the initiation of the public involvement process.

**Judge Roger Miller made a motion to recommend approval of the draft FY21-24 TIP and the initiation of the public involvement process, seconded by Jason Deckman; the motion passed unanimously.**

**9. Public input received through February 2020.**

Public input received through February 2020 were presented to the TAC. No new comments were received.

**10. Member Comments:**

Jason Deckman informed the group that the City of Temple will be holding a vote for a parks bond and that the bond will probably include the Georgetown RR Trail.

**11. Adjourn:** The meeting adjourned at 10:43 a.m.

These meeting minutes were approved by TAC at their \_\_\_\_\_ meeting.

\_\_\_\_\_

Uryan Nelson, KTMPO Director

**Item 5:**  
**2045 MTP and FY19-22 TIP**  
**Amendments**

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**Amendments to the 2045 MTP and FY19-22 TIP**

**MTP Background**

The MTP is the 25-year long range planning document for KTMPO. The 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 250-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.

**TIP Background**

The 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 FY19 through FY22. 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.

**Amendments to the 2045 MTP and FY19-22 TIP**

Amendments are needed to the MTP and TIP to:

- a) Add Troy Mays Middle School SRTS Project
- b) Update the project description of the Temple Adams/Central Ave Bicycle/Pedestrian Improvements project, T40-15
  - **Original Description:** Installation of on-street bike lane and ADA compliant sidewalks traveling east on Central Avenue and west on Adams Avenue
  - **Revised Description:** Installation of ADA compliant sidewalks traveling east on Central Avenue from 31<sup>st</sup> Street to 3<sup>rd</sup> Street and west on Adams Avenue from 3<sup>rd</sup> Street to 31<sup>st</sup> Street with tapered connection to existing sidewalks at bridges.
- c) Add SH9 Tank Destroyer Blvd Project
- d) Add language for Safety and Transit performance measure renewal

**Schedule:**

- March 4, 2020—TAC recommends initiation of public involvement process for MTP and TIP amendments;
- March 18, 2020—TPPB approves initiation of public involvement process for MTP and TIP amendments;
- March 21, 2020 - April 4, 2020—15 day public comment period;
  - Public Hearing: March 25, 2020 at CTCOG at 12:00pm.
  - Electronic Public Meeting: March 30, 2020 at 12:00pm.
    - Weblink: <https://global.gotomeeting.com/join/899107253>
    - Phone: +1 (646) 749-3122; Access Code: 899-107-253
- April 1, 2020—TAC recommends approval of proposed amendments, pending any public comments received;
- April 15, 2020—TPPB approves proposed amendments.

**Action Needed:** Recommend approval of 2045 MTP and FY19-22 TIP amendments.

# HIGHWAY PROJECT LISTING

**KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM**

**FY 2022**

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST		
WACO	Bell	0909-36-180	VA	Jun-22	C, E	Troy	Troy	\$277,571		
LIMITS FROM: On Lee Mays Blvd. and Luther Curtis Rd. LIMITS TO: Raymond Mays Middle School DESCRIPTION: Construct ~0.2 miles of accessible sidewalks with crosswalks and ADA ramps.						REVISION DATE: May-20 MPO ID: FUNDING CATEGORY: 9 SRTS	PROJECT HISTORY:  TxDOT 2019 SRTS Selection; Funding award approved through Transportation Commission minute order 115662 - January 30, 2020			
REMARKS: Project Name: Troy - Mays Middle School SRTS										
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:					
PRELIMINARY ENGINEERING:	\$73,991				CATEGORY: 9 SRTS	FEDERAL: \$277,571	STATE:	LOCAL: \$0	LOCAL CONT: \$0	TOTAL: \$277,571
RIGHT OF WAY:										
CONSTRUCTION:	\$200,817									
CONSTRUCTION ENGINEERING:	\$2,763		\$277,571							
CONTINGENCIES:	\$2,654									
INDIRECTS:										
BOND FINANCING:										
<b>TOTAL PROJECT COST (YOE):</b>	<b>\$280,226</b>					<b>TOTAL \$277,571</b>		<b>\$0</b>		<b>\$277,571</b>

K40-27 <sup>1</sup>	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: \$11,976,956
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	
T40-15	0184-03-039 0232-01-053	Adams Ave/Central Ave. Bicycle/Pedestrian Improvements	IH-35 to MLK Jr Blvd (Spur 290)	Construct ADA compliant sidewalks	92.00	2	2	\$1,300,000	2019	Yes	EJ, H	
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	2019	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	2018	No	H, ARZ, ES	
A40-15	0909-36-162	Fleet Replacement Project	Killeen UZA	Purchase Buses	N/A	N/A	N/A	\$1,615,000	2018	N/A	N/A	
T40-07a	0909-36-138	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen from 2 to 4 lane divided roadway with a curb and gutter, Phase 1	64.67	17	4	\$10,298,198	2021	No	P, H	FY21-22 Category 7 Funds: 13,002,000
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	
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	2021	N/A	N/A	

### COMBINED CATEGORY 7 AND MPO CATEGORY 9 PROJECTS

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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

### MPO CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE PROGRAM)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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
B45-03	0909-36-169	13th Avenue Sidewalk & Shared Use Path	Main St (SH 317) to Waco Rd (FM 817)	Construct 5 ft sidewalks on the north side of 13th Ave from Main St to Woodall; Transition to 10 ft SUP from Woodall to Waco Rd	72.16	7	4	\$423,611	2022	No	P	FY21-22 Category 9 Funds: \$423,611

### STATEWIDE CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE SET-ASIDE PROGRAM)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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	2018	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	2017	No	EJ, ARZ	
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	N/A	\$1,790,570	2020	No	EJ, P	FY17 TASA Funds: \$1,790,570
	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	2022	No	N/A	FY20 SRTS Funds: \$277,571

### GROUPED PROJECTS

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	FY2017-2020 TIP	FY2019-2022 TIP
G01-PE	Various CSJs	Preventative Projects	Various Locations	Various Descriptions	\$12,579,008	\$0

# HIGHWAY PROJECT LISTING

KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
 FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM

FY 2019

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0184-03-039	SH 53	2019	C	Temple	Temple	\$1,492,174
LIMITS FROM: IH 35						REVISION DATE:	Jul-18	
LIMITS TO: Spur 290						MPO ID:	T40-15	
DESCRIPTION: Installation of on-street bike lane and ADA compliant sidewalks traveling east on Central Avenue and west on Adams Avenue.						FUNDING CATEGORY:	7	
REMARKS: August 2017 KTMO selected projects						PROJECT HISTORY:		
						Adams Avenue Project		
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:			
PRELIMINARY ENGINEERING:	\$78,300			CATEGORY: 7	FEDERAL: \$1,193,739	STATE: \$298,435	LOCAL:	LOCAL CONT: TOTAL: \$1,492,174
RIGHT OF WAY:	\$0			TOTAL	\$1,193,739	\$298,435	\$0	\$0 \$1,492,174
CONSTRUCTION:	\$1,492,174	\$1,492,174						
CONSTRUCTION ENGINEERING:	\$78,000							
CONTINGENCIES:	\$18,000							
INDIRECTS:	\$0							
BOND FINANCING:	\$0							
TOTAL PROJECT COST (YOE):	\$1,666,474							

# HIGHWAY PROJECT LISTING

KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
 FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM

FY 2019

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0184-03-039	SH 53	2019	C	Temple	Temple	\$1,492,174
LIMITS FROM: IH 35						REVISION DATE:	Jul-18	
LIMITS TO: Spur 290						MPO ID:	T40-15	
DESCRIPTION: 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 connection to existing sidewalks at bridges						FUNDING CATEGORY:	7	
REMARKS: August 2017 KTMO selected projects						PROJECT HISTORY:		
						Adams Avenue Project		
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:			
PRELIMINARY ENGINEERING:	\$78,300			CATEGORY: 7	FEDERAL: \$1,193,739	STATE: \$298,435	LOCAL:	LOCAL CONT: TOTAL: \$1,492,174
RIGHT OF WAY:	\$0			TOTAL	\$1,193,739	\$298,435	\$0	\$0 \$1,492,174
CONSTRUCTION:	\$1,492,174	\$1,492,174						
CONSTRUCTION ENGINEERING:	\$78,000							
CONTINGENCIES:	\$18,000							
INDIRECTS:	\$0							
BOND FINANCING:	\$0							
TOTAL PROJECT COST (YOE):	\$1,666,474							

# HIGHWAY PROJECT LISTING

KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM

FY 2019

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0232-01-053	SH 53	2019	C	Temple	Temple	\$800,000
LIMITS FROM: Spur 290						REVISION DATE:	Jul-18	
LIMITS TO: Martin Luther King Jr., Blvd						MPO ID:	T40-15	
DESCRIPTION: Installation of on-street bike lanes and ADA compliant sidewalks traveling east on Central Avenue and west on Adams Avenue.						FUNDING CATEGORY:	7	
REMARKS: August 2017 KTMO selected projects						PROJECT HISTORY:		
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:			
PRELIMINARY ENGINEERING:	\$22,000			CATEGORY:	FEDERAL:	STATE:	LOCAL:	LOCAL CONT: TOTAL:
RIGHT OF WAY:	\$0			7	\$336,696	\$84,174		\$420,870
CONSTRUCTION:	\$420,870	\$420,870		TOTAL	\$336,696	\$84,174	\$0	\$0 \$420,870
CONSTRUCTION ENGINEERING:	\$22,000							
CONTINGENCIES:	\$5,000							
INDIRECTS:	\$0							
BOND FINANCING:	\$0							
TOTAL PROJECT COST (YOE):	\$469,870							

# HIGHWAY PROJECT LISTING

KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM

FY 2019

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST
WACO	Bell	0232-01-053	SH 53	2019	C	Temple	Temple	\$800,000
LIMITS FROM: Spur 290						REVISION DATE:	Jul-18	
LIMITS TO: Martin Luther King Jr., Blvd						MPO ID:	T40-15	
DESCRIPTION: 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 connection to existing sidewalks at bridges						FUNDING CATEGORY:	7	
REMARKS: August 2017 KTMO selected projects						PROJECT HISTORY:		
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:			
PRELIMINARY ENGINEERING:	\$22,000			CATEGORY:	FEDERAL:	STATE:	LOCAL:	LOCAL CONT: TOTAL:
RIGHT OF WAY:	\$0			7	\$336,696	\$84,174		\$420,870
CONSTRUCTION:	\$420,870	\$420,870		TOTAL	\$336,696	\$84,174	\$0	\$0 \$420,870
CONSTRUCTION ENGINEERING:	\$22,000							
CONTINGENCIES:	\$5,000							
INDIRECTS:	\$0							
BOND FINANCING:	\$0							
TOTAL PROJECT COST (YOE):	\$469,870							

K40-27 <sup>1</sup>	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: \$11,976,956
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	
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	\$1,300,000	2019	Yes	EJ, H	
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	2019	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	2018	No	H, ARZ, ES	
A40-15	0909-36-162	Fleet Replacement Project	Killeen UZA	Purchase Buses	N/A	N/A	N/A	\$1,615,000	2018	N/A	N/A	
T40-07a	0909-36-138	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen from 2 to 4 lane divided roadway with a curb and gutter, Phase 1	64.67	17	4	\$10,298,198	2021	No	P, H	FY21-22 Category 7 Funds: 13,002,000
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	
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	2021	N/A	N/A	
<b>COMBINED CATEGORY 7 AND MPO CATEGORY 9 PROJECTS</b>												
KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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
<b>MPO CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE PROGRAM)</b>												
KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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
B45-03	0909-36-169	13th Avenue Sidewalk & Shared Use Path	Main St (SH 317) to Waco Rd (FM 817)	Construct 5 ft sidewalks on the north side of 13th Ave from Main St to Woodall; Transition to 10 ft SUP from Woodall to Waco Rd	72.16	7	4	\$423,611	2022	No	P	FY21-22 Category 9 Funds: \$423,611
<b>STATEWIDE CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE SET-ASIDE PROGRAM)</b>												
KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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	2018	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	2017	No	EJ, ARZ	
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	N/A	\$1,790,570	2020	No	EJ, P	FY17 TASA Funds: \$1,790,570
	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	2022	No	N/A	FY20 SRTS Funds: \$277,571

# HIGHWAY PROJECT LISTING

KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
 FY 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM

FY 2021

DISTRICT	COUNTY	CSJ	HWY	LET DATE	PHASE	CITY	PROJECT SPONSOR	YOE COST		
WACO	Coryell	3623-01-004	SH 9	2021	C	Copperas Cove	Copperas Cove	\$5,015,690		
LIMITS FROM: Old Georgetown Road						REVISION DATE: May-20				
LIMITS TO: BNSF Railway						MPO ID:				
DESCRIPTION: Construct exit ramp to Tank Destroyer Blvd and entrance ramp from Old Georgetown Rd.						FUNDING CATEGORY: 3				
REMARKS:						PROJECT HISTORY:				
<b>TOTAL PROJECT COST INFORMATION:</b>			COST OF APPROVED PHASES:		AUTHORIZED FUNDING BY CATEGORY:					
PRELIMINARY ENGINEERING:	\$246,000				CATEGORY: 3	FEDERAL:	STATE:	LOCAL: \$5,015,690	LOCAL CONT:	TOTAL: \$5,015,690
RIGHT OF WAY:	\$0									
CONSTRUCTION:	\$5,015,690	\$5,015,690								
CONSTRUCTION ENGINEERING:	\$262,300									
CONTINGENCIES:	\$128,600									
INDIRECTS:	\$0									
BOND FINANCING:	\$0									
TOTAL PROJECT COST (YOE):	\$5,652,590					TOTAL		\$5,015,690		\$5,015,690

**Other Project**

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
C45-01	N/A	Fort Hood Access Ramps	SH 9 @ Tank Destroyer Blvd	Construct access ramps from SH 9 to Tank Destroyer Blvd	N/A	N/A	N/A	N/A	N/A	Yes	—	

**GROUPED PROJECTS**

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	FY2017-2020 TIP	FY2019-2022 TIP
G01-PE	Various CSJs	Preventative Projects	Various Locations	Various Descriptions	\$12,579,008	\$0

## **Transit Asset Management/State of Good Repair Performance Measures:**

The Transit Asset Condition Performance Rule, found in 49 CFR 625.43(a,b,c,d), establishes performance measures to assess the condition of regional transit networks as defined as State of Good Repair (SGR) and documented in a transit agency's Transit Asset Management Plan (TAMP). SGR targets measure system performance and evaluate how well a transit system is performing.

Hill Country Transit District (HCTD) serves as the transit operator and designated recipient for federal transit funding within the urban service area. As required by January 1, 2017, HCTD established State of Good Repair performance targets and objectives for both their urban and rural systems in their TAMP. The TAMP covers all fleet vehicles, as well as other capital assets to include equipment, rolling stock, infrastructure, and facilities. The performance target is to have less than 5% of the assets within each group exceed their useful life. In June 2017, KTMPO Policy Board adopted the urban and rural performance targets identified in the HCTD TAMP as the MPO performance targets for the region. KTMPO Policy Board also agreed that future revisions may be necessary to ensure consistency with the performance targets that HCTD establishes and, therefore, any future revisions to the TAMP be administratively approved by KTMPO staff and brought to the attention of both TAC and TPPB. On January 16, 2019, the TPPB approved to continue supporting the previously set transit targets. **On February 19, 2020, the TPPB approved again to continue supporting the previously set transit targets.**

The inclusion of transit projects located in both the TIP and MTP are intended to support HCTD in achieving the SGR performance measures for the regional transportation system.

## **Safety Performance Measures:**

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 Fatality Analysis Reporting System (FARS) 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. These targets include a reduction of both fatalities and fatality rate by 2% over current baseline forecast, a reduction in incapacitating injuries by 2% over current baseline forecast, maintain the current downward trend in the incapacitating injury rate, and a reduction of non-motorized fatalities and non-motorized incapacitating injuries by 2% over current baseline forecast. On January 17, 2018, KTMPO Policy Board approved to support the State's safety performance measures. On January 16, 2019, the TPPB approved to continue supporting the previously set safety targets. **On February 19, 2020, the TPPB approved again to continue supporting the previously set safety targets.**

**Item 6:**  
**Resolution supporting May as  
National Bike Month**

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### **National Bike Month**

Since 1956, the League of American Bicyclists have dedicated the month of May as National Bike Month to promote bicycling as a healthy, safe and environmentally-friendly form of transportation.

In addition, The National Center for Safe Routes to School hosts National Bike to School Day the second week of May, however this event is being postponed for year 2020 due to current events.

National May bike dates include:

- Bike to School Day: postponed for 2020
- National Bike to Work Week: May 11-17, and
- Bike to Work Day: May 15.

For more information and ideas on planning safe bike-friendly events, visit [bikeleague.org/bikemonth](http://bikeleague.org/bikemonth) or [walkbiketoschool.org/](http://walkbiketoschool.org/).

Attached to this meeting packet is a resolution that will be presented to KTMPPO Transportation Planning Policy Board in April for supporting National Bike Month and associated events and dates. KTMPPO encourages area cities to also support and promote National Bike Month as deemed appropriate in accordance to city and county orders.

**Action Needed:** Recommend approval of Resolution 2020-04 for May 2020 as National Bike Month.



**RESOLUTION NO. 2020-04**

**A RESOLUTION OF THE KILLEEN-TEMPLE METROPOLITAN PLANNING ORGANIZATION  
SUPPORTING NATIONAL BIKE MONTH (MAY 2020) AND ASSOCIATED EVENTS AND DATES**

**WHEREAS;** The League of American Bicyclists has declared the month of May 2020 as National Bike Month; May 11 through May 17, 2020 as Bike to Work Week; and May 15, 2020 as Bike to Work Day; with Bike to School Day being postponed.

**WHEREAS;** biking is a healthy, safe, and environmentally-friendly form of transportation and an excellent form of recreation; and

**WHEREAS;** bicycle commuting is an effective means to reduce air pollution, conserve energy, and promotes the “livability” of communities by reducing traffic, noise, and congestion; and

**WHEREAS;** bicycle transportation is an integral part of the “multi-modal” transportation system planned by federal, state, regional, and local transportation agencies; and

**WHEREAS;** National Bike Month promotions encourage citizens to ride their bicycles, thereby reducing vehicular emissions in Central Texas;

**NOW, THEREFORE, BE IT RESOLVED** that the Killeen-Temple Metropolitan Planning Organization hereby recognizes and supports the month of May 2020 as National Bike Month; May 11 through May 17, 2020 as Bike to Work Week; and May 15, 2020 as Bike to Work Day; with Bike to School Day being postponed.

**BE IT FURTHER RESOLVED** that the Killeen-Temple Metropolitan Planning Organization urges all who support bicycling to participate in the events planned as deemed appropriate in accordance to city and county orders and urges all road users to share the road safely with bicyclists.

**PASSED AND ADOPTED** on this 15<sup>th</sup> day of April 2020 at a regular meeting of the Killeen-Temple Metropolitan Planning Organization Transportation Planning Policy Board, which meeting 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:**

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Mayor Tim Davis, Chair

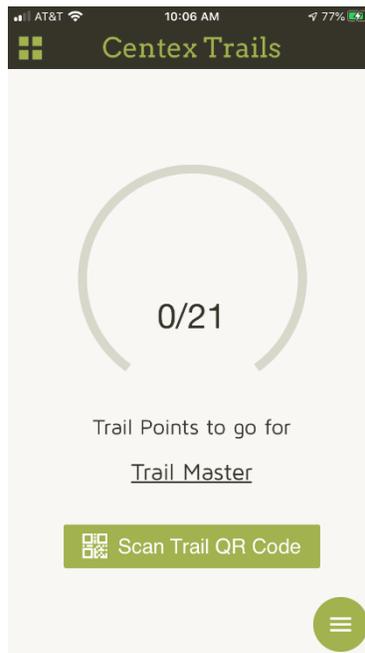
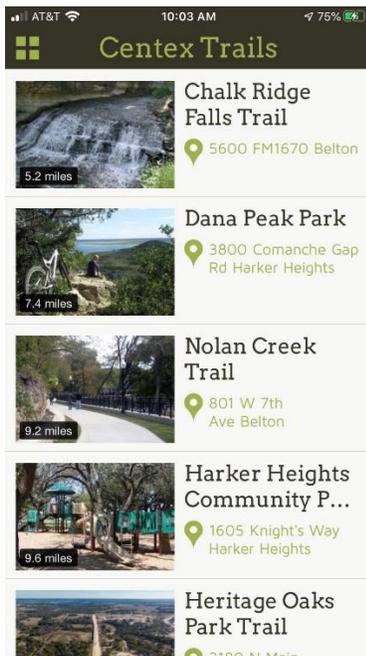
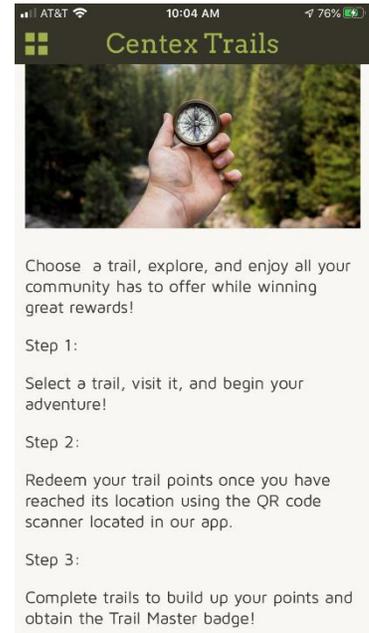
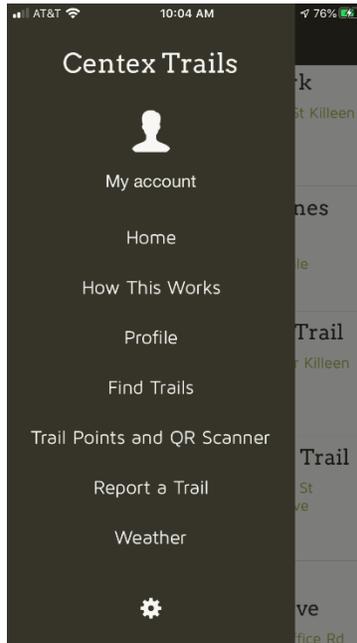
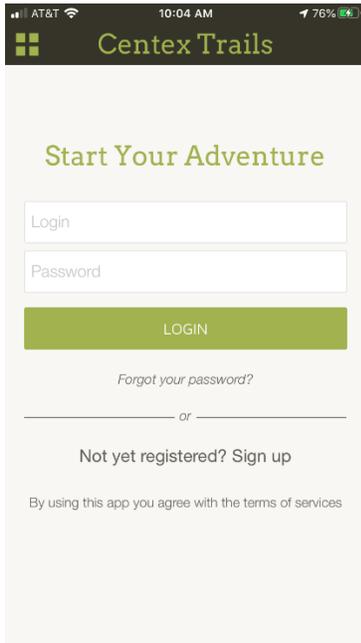
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Uryan Nelson, KTMO Director

# **Item 7:**

# **CenTex Trails App**

**CenTex Trails App**



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**Current Trails**

Chalk Ridge Falls, Belton

Dana Peak Park, Harker Heights

Nolan Creek Trail, Belton

Harker Heights Community Park, Harker Heights

Heritage Oaks Trail, Belton

Carl Levin Park Trail, Harker Heights

Purser Family Park Trail, Harker Heights

Friars Creek Trail, Temple

Miller Springs Nature Center, Belton

BLORA Mountain Bike Trails, Belton

FM2305 Trail, Temple

Lions Park Trail, Killeen

Pepepr Creek Trail, Temple

Santa Fe Trail, Temple

Andy K. Wells Trail, Temple

Conder Park, Killeen

Parrie Haynes Trail, Killeen

CTC Eagle Trail, Bell County

South Park Trail, Copperas Cove

Ogletree Gap Preserve, Copperas Cove

**To Download:** Android phones can download from Google Play and Apple phones can download from the App Store.

**Action Needed:** No action needed; for discussion only.

# **Item 8: Alliance Transportation Group**

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**ATG Discussion on Future Growth Scenario Recommendations**

Emerging trends and significant drivers of transportation system demand have been identified and reviewed to understand their impact on overall transportation system demand. The trends discussed are strictly theoretical as part of a planning-level exercise and do not aim to predict future travel in the KTMP region. The following presents a set of options to be considered for use in developing the Future Growth Scenario. The options will be discussed and one of the recommendations will ultimately be selected to develop the Future Growth Scenario.

**1. Option 1 - Growing market share of e-commerce/home delivery and the decline in brick and mortar storefronts.**

- a. The growing market share of e-commerce/home delivery could be directly related to the decline of brick and mortar storefronts. With this consideration in mind, a potential alternative future growth scenario could see a decline in overall retail employment as storefronts begin closing. Goods would still need to be delivered to homes and businesses via existing transportation methods, and for the purpose of this exercise, trucks will be considered the primary method of delivery of goods.
- b. Analysis procedure – Maintain TAZ employment control totals but decrease retail employment, increase basic employment (distribution centers), and potentially increase the truck control total.

**2. Option 2 - Autonomous vehicles**

- a. Research indicates that there is a belief that autonomous vehicles will reduce usage of public transportation (transit), while also indicating that growth for a region could expand outward to suburban and rural areas as travel could become more efficient. Limitations such as waterways, military, airports, etc. would be considered to ensure growth is focused on logical locations throughout the region. Note that the KTMP Model does not model transit related trips, and all analysis will be done in terms of vehicles.
- b. Analysis procedure – Maintain county level demographic growth but shift a portion of the growth (10-20%) from areas identified as central business district (CBD)/urban to suburban/rural.

**3. Option 3 - Transit-oriented development and downtown revitalization**

- a. Goals of transit-oriented development and downtown revitalization focus on improving and growing urban areas. Inversely to the autonomous vehicle recommendation, the transit-oriented development and downtown revitalization recommendation would result in increased growth of urban areas and lower growth in rural areas. The inward growth would be the result of improved public transportation and improved livability of urban areas. Limitations such as waterways, military, airports, etc. would be considered to ensure growth is focused on logical locations throughout the region. Note that the KTMP Model does not model transit related trips, and all analysis will be done in terms of vehicles.

In addition to the three main recommendations for consideration in developing the Future Growth Scenario, the following sub-recommendations are intended to be considered for application, regardless of which Future Growth Scenario is generated:

**1. Online Outreach Tool Feedback**

- Feedback received from the Online Outreach Tool will be considered and applied to the Future Growth Scenario.

**2. Education Employment**

- Concern has been expressed over the KTMP Model not effectively representing growth in education employment. Population growth and developable land will be reviewed as a guide to determine locations that could be expected to construct a new education facility.

**3. Environmental Justice (EJ) Areas**

- EJ areas identified in KTMP's Updated Public Participation Plan will be reviewed to determine if any adjustments are needed in order to preserve environmental, cultural, or historical regions. Growth will be monitored as needed for these areas.

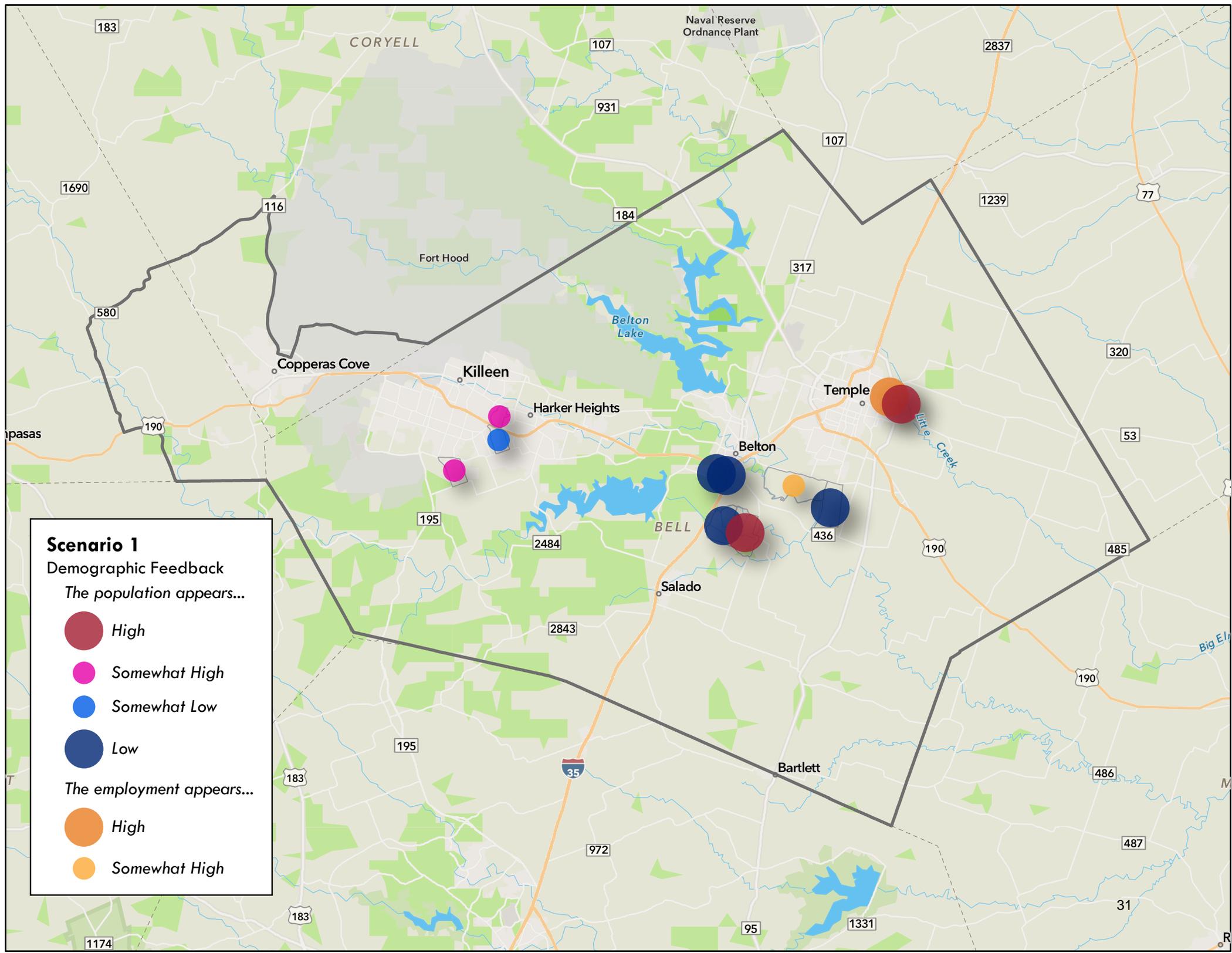
**Action Needed:** No action needed; for discussion only.

**Scenario 1**  
 Demographic Feedback  
*The population appears...*

- High
- Somewhat High
- Somewhat Low
- Low

*The employment appears...*

- High
- Somewhat High



# Item 9: Public Input

### **Public Input Received**

KTMPPO 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 March 2020 is included in meeting packet.

**Action Needed:** No action needed; for discussion only.



## KTMPO Public Comments

FY20

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

# KTMPO Contacts, Acronyms, and Terms

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## Commonly Used Transportation Related Acronyms and Terms

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

A comprehensive listing with definitions is available under Transportation Planning Resources at [www.ktmppo.org](http://www.ktmppo.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 (2014-2023) Projects with Allocated Funding as of December 2018 and Listed in the Transportation Improvement Program (TIP)

### MPO PROPOSITION 1/CATEGORY 2 PROJECTS (METROPOLITAN CORRIDORS)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	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	2017	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: \$84,000,000
C30-03b	0231-02-062	Business US 190 Phase I	FM 1113 (Avenue D) to Constitution Dr	Construction of a raised median, bike lane and sidewalk on south side of project, and convert the north outside lane to a shared vehicle and bicycle lane to retain three travel lanes in each direction	81.00	4	4	\$10,000,000	2020	Yes	EJ	
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	
W40-04a (1)	2502-01-021	Loop 121 Phase 1a	Lake Rd (FM 439) to US 190	Widen from 2 to 4 lane divided roadway with raised median	56.45	14	5	\$28,000,000	2021	Yes	EJ, H, P	FY21-22 Category 2: \$127,350,000
W35-07	0320-06-008	NW Loop 363	Lucius McCelvey Dr to Industrial Blvd	Construct interchange and expand 2 to 4 lanes with frontage roads	72.00	3	1	\$45,000,000	2021	Yes	H	
W35-01	0231-19-003	US 190 Bypass	Lampasas County Line to US 190 W of Clarke Rd.	Widen from two lanes to four lanes divided and construct interchange	68.27	9	2	\$48,150,000	2021	Yes	L, H,	
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	2020	Yes	EJ, L, H	

### COMBINED CATEGORY 2 AND CATEGORY 7 FUNDS

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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

### CATEGORY 4 PROJECTS (STATEWIDE CONNECTIVITY)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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	2019	Yes	H	FY19 Category 4 Funds: \$62,800,000

### CATEGORY 7 PROJECTS (SURFACE TRANSPORTATION PROGRAM-METROPOLITAN MOBILITY)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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	2017	Yes	N/A	

K40-27 <sup>1</sup>	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: \$11,976,956
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	
T40-15	0184-03-039 0232-01-053	Adams Ave/Central Ave. Bicycle/Pedestrian Improvements	IH-35 to MLK Jr Blvd (Spur 290)	Construct shared use path for bicycle and pedestrian use	92.00	2	2	\$1,300,000	2019	Yes	EJ, H	
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	2019	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	2018	No	H, ARZ, ES	
A40-15	0909-36-162	Fleet Replacement Project	Killeen UZA	Purchase Buses	N/A	N/A	N/A	\$1,615,000	2018	N/A	N/A	
T40-07a	0909-36-138	Temple Outer Loop West-Phase I	522 ft S of Jupiter Dr to 20 ft N of Riverside Trail	Widen from 2 to 4 lane divided roadway with a curb and gutter, Phase 1	64.67	17	4	\$10,298,198	2021	No	P, H	FY21-22 Category 7 Funds: 13,002,000
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	
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	2021	N/A	N/A	

### COMBINED CATEGORY 7 AND MPO CATEGORY 9 PROJECTS

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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

### MPO CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE PROGRAM)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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
B45-03	0909-36-169	13th Avenue Sidewalk & Shared Use Path	Main St (SH 317) to Waco Rd (FM 817)	Construct 5 ft sidewalks on the north side of 13th Ave from Main St to Woodall; Transition to 10 ft SUP from Woodall to Waco Rd	72.16	7	4	\$423,611	2022	No	P	FY21-22 Category 9 Funds: \$423,611

### STATEWIDE CATEGORY 9 PROJECTS (TRANSPORTATION ALTERNATIVE SET-ASIDE PROGRAM)

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding
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	2018	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	2017	No	EJ, ARZ	
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	N/A	\$1,790,570	2020	No	EJ, P	FY17 TASA Funds: \$1,790,570

### GROUPED PROJECTS

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	FY2017-2020 TIP	FY2019-2022 TIP
G01-PE	Various CSJs	Preventative Projects	Various Locations	Various Descriptions	\$12,579,008	\$0
G03-MT	Various CSJs	Maintenance Projects	Various Locations	Various Descriptions	\$37,602,002	\$20,009,216
G04-BR	Various CSJs	Bridge Projects	Various Locations	Various Descriptions	\$3,125,284	\$1,400,000
G06-SA	Various CSJs	Safety Projects	Various Locations	Various Descriptions	\$497,599	\$2,690,079

## Proposed Roadway, Transportation Choices/Livability, Transit, and Preventative Maintenance Projects

### ROADWAY PROJECTS<sup>7</sup>

KTMO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding <sup>4</sup>
W30-17	1835-01-026	FM 93 Phase 1 and 2	SH 317 to Wheat Rd	Widen from 2 to 4 lane roadway with a bike lane and 6 ft sidewalks	64.81	16	3	\$8,794,843	2025/2026	Yes	EJ, H, P	Short Range Funding: \$46,096,645
T40-07b	0909-36-174	Temple Outer Loop West Phase II	454 ft South of Dove Meadow Blvd to IH-35 S	Widen from 2 to 4 lane divided roadway with a curb and gutter; includes hike and bike trail and bike dedicated lanes to incorporate multimodal transportation	64.67	17	4	\$9,701,802	2027	No	P, H	
K30-13	0909-36-175 0909-36-172	Chaparral Rd	SH 195 to FM 3481 (Stillhouse Hollow Lake Rd)	Reconstruct and widen roadway from 2 to 4 lane divided roadway with bicycle/pedestrian facilities.	59.99	27	5	\$23,000,000	2023	No	EJ, H	
D40-01	N/A	North Waco Rd (Old 81)	West Main St to West Big Elm Rd	Widen from 2 to 4 lanes, with curb, gutter, and bridge improvements	52.64	44	6	\$4,600,000	TBD	No	---	
H30-05	0909-36-171	Warriors Path Upgrade	FM 2410 (Knights Way) to Old Nolanville Rd	Create a two lane road section with a curb, gutter, and left turn lane at a future school; 6 ft sidewalk on west side and a 10 ft wide hike and bike path on east side	48.17	50	7	\$8,968,950	2025	No	H	Long Range Funding: \$378,524,579
N40-03	N/A	Old Nolanville Road Bridge Expansion and Bike/Pedestrian Project	Bridge on Old Nolanville Rd to US 190/IH 14	Reconstruct bridge on Old Nolanville Road and add multi-use trail system to connect to existing trail system.	49.84	46	8	\$1,602,700	TBD	No	---	
S40-03	N/A	Salado West Village Road Capacity and Enhancement Project	Thomas Arnold Rd to IH-35	Widen roadway, add turn lanes and bicycle/pedestrian facilities	36.45	66	9	\$300,500	2028	No	---	
T15-06k	0015-14-109	IH 35	US 190/IH 14 to Loop 363	Reconstruct and widen to 8 lanes	78.27	1	10	\$129,700,000	2029	Yes	EJ, H	
C35-02ab <sup>5</sup>	0724-01-055	FM 116 Railroad Underpass	S Main (through existing parking facility) to Ave B	Create an underpass at the existing BNSF railroad with sidewalks	71.73	4	12	\$13,470,000	2023	Yes	EJ	
W25-02	0184-02-055	SH 36	SH 317 to Lake Belton Bridge	Widen from 2 to 4 lane divided roadway	71.63	5	13	\$36,715,000	2026	No	P	
W35-04	N/A	FM 439	Roy Reynolds Drive to FM 3219	Widen from 4 to 6 lanes	70.27	6	14	\$11,539,000	2027	No	EJ	
H45-03	3409-01-007	FM 3481 (Stillhouse Lake Rd) Phase 1	Prospector Trail to Proposed Chaparral Rd Intersection	Widen roadway from 2 to 4 lanes with a continuous center turn lane and sidewalks	69.33	7	15	\$6,566,500	2026/2027	No	H, ARZ, P	
W30-23	0184-04-051	US 190/Loop 363	Spur 290 to SH 95	Upgrade to 4 lane freeway with continuous frontage roads and grade separation at MLK Blvd	68.36	8	16	\$16,784,000	2025	Yes	EJ	
C30-03a	N/A	Business US 190 - Phase II	FM 1113 (Ave D) to FM 116 South	Convert the center turn lane to a controlled left turn lane with raised median, maintain the two existing travel lanes, add curb, gutter, and bike lanes on both sides of the roadway, 6 ft sidewalk on the south side and pedestrian crossings with curb ramps at street intersections	68.16	10	17	\$7,400,000	2022	Yes	EJ	
W35-08	N/A	FM 93	FM 1741 to SH 95	Widen from 2 to 4 lanes, provide for a raised median and construct grade separation at UP RR	66.44	11	18	\$12,588,000	TBD	Yes	H	
H45-01	N/A	E FM 2410 (E. Knights Way) Phase 1	Cedar Knob Rd to Warriors Path	Widen from 2 to 4 lanes with a continuous turn lane, curb, gutter and sidewalks	66.35	12	19	\$5,561,600	TBD		---	
W30-13	N/A	FM 2484	FM 1670 to IH-35	Widen from 2 to 4 lane divided roadway	65.99	13	20	\$3,147,000	TBD	No	P	
W30-21	N/A	Loop 363 at FM 2305 (Adams Ave) Reconfiguration	Intersection of Loop 363 and FM 2305 (Adams Ave)	Reconstruct interchange at FM 2305 (Adams Ave) and Loop 363	65.45	14	21	\$18,000,000	TBD	Yes	EJ	
K40-24	N/A	Featherline Dr	Stagecoach Rd to Chaparral Rd	Widen from two to four lanes with a center turn lane and roundabouts at Featherline Rd and Stagecoach Rd and Stagecoach Rd at W.S. Young Dr	65.00	15	22	\$9,000,000	2025	No	EJ	
H15-01	N/A	FM 3423 (Indian Trail)	Business 190 (VMB) to US 190/IH-14	Construct an urban cross-section roadway with sidewalks, median and pedestrian enhancements within the appropriate context sensitive cross section	64.55	18	23	\$3,391,800	TBD	No	---	
T35-36a	N/A	S 1st Street/Spur 290 Improvements	SE Loop 363 to Ave M	Widen from 4 lane undivided to 4 lane divided roadway with a curb, gutter and hike and bike trails to incorporate multimodal design	64.45	19	24	\$8,500,000	TBD	Yes	EJ	
K40-11	N/A	WS Young Dr	Mall Dr to AJ Hall Blvd	Add turn lane and relocate traffic signal at Mall Dr to AJ Hall Blvd	64.09	20	25	\$4,889,549	TBD	Yes	EJ	
N40-06	N/A	Nolanville Railroad Crossing Safety	Pleasant Hill Cemetery Rd to Jack Rabbit Road (4 RR Crossings)	Upgrade crossings for better connections and safety	63.18	21	26	\$500,000	TBD	No	---	
D40-03	N/A	Old TX 81 - Phase I	FM 1237 to Loves Overpass	Widen roadway from 2 to 4 lanes with bicycle lanes, a curb and gutter	61.55	22	27	\$3,500,000	TBD	No	H	
H45-04	N/A	FM 3481 (Stillhouse Lake Rd) Phase 2	Proposed Chaparral Rd Intersection to South City Limits	Widen roadway from 2 to 4 lanes with a continuous center turn lane and sidewalks	60.84	24	28	\$6,306,620	TBD	No	H, ARZ, P	
K40-16	N/A	East Trimmer Rd Improvements	Stagecoach Rd to Chaparral Rd	Widen roadway from 2 to 4 lanes with a continuous center turn lane, sidewalks and bicycle lanes	60.84	23	29	\$7,000,000	TBD	No	EJ	
H30-01	N/A	Business US 190 (Veterans Memorial Blvd)	N Roy Reynolds to US 190/IH-14	Reduce roadway profile, install curb and gutter; add access management/driveway control, drainage improvements, sidewalks, medians and other context sensitive solutions	60.19	26	30	\$5,000,000	TBD	No	EJ, L, H	
B40-10	N/A	FM 1670	US 190 to Three Creeks Blvd	Widen from 2 to 4 lane roadway with a 10 ft hike and bike trail	59.45	28	31	\$5,643,360	TBD	No	EJ, H	
W35-02	N/A	SH 195 at FM 3470 (SS Loop) Reconstruction	Intersection of SH 195 at FM 3470 (Stan Schlueter Loop)	Upgrade interchange	59.17	29	32	\$52,450,000	TBD	Yes	EJ	

T45-16	N/A	S 1st Street Extension	Loop 363/US 190 to Blackland Rd	Construct arterial thoroughfare with street trees, sidewalks and bike lanes.	58.49	30	33	\$10,830,000	2020	No	—	Regionally Significant Unfunded List
K25-04	N/A	SH 195 Overpass	At Business 190	Construct grade separation over Business 190 and BNSF RR	58.35	31	34	\$20,000,000	TBD	Yes	EJ	
B40-11	N/A	FM 2271 (Lake to Lake Road)	FM 1670 to FM 2271	Construct 4 lane roadway with 10 ft wide trail	57.74	32	35	\$49,700,000	TBD	No	EJ, H, P	
T45-15	N/A	Temple Outer Loop - East	IH-35 N to FM 93 at Business 190	Construct a 4 lane divided roadway with a curb and gutter; includes hike and bike trail and dedicated bike lanes to incorporate multimodal transportation	57.34	33	36	\$74,000,000	2023	No	EJ	
B40-07	N/A	Connell St	US 190/IH-14 to Loop 121	Widen from 2 to 4 lanes with center turn lane and 5 ft wide sidewalks	56.64	34	37	\$5,244,000	TBD	No	EJ	
W35-09	N/A	FM 93	SH 95 to SH 36	Widen from 2 to 4 lanes, provide for a raised median	56.37	35	38	\$5,245,000	TBD	Yes	EJ	
K40-26	N/A	Cunningham Rd	US 190/IH-14 to Little Nolan Rd	Construct and widen from 2 to 4 lane road with shoulder, median turn lane, bike and pedestrian facilities	56.27	36	39	\$7,817,350	TBD	No	EJ	
K40-03	N/A	FM 3470 Extension	SH 201 (Clear Creek Rd) to US 190 Bypass	Construct 4 lane FM Road with continuous turn lane and shoulders	56.17	37	40	\$15,000,000	TBD	No	H	
H45-02	N/A	E FM 2410 (E Knights Way) Phase 2	Warriors Path to Rummel Rd	Widen from 2 to 4 lanes with a continous turn lane with a curb, gutter and sidewalks	55.84	38	41	\$5,149,800	TBD	No	L	
K40-17	N/A	Trimmier Rd Improvements	Stagecoach Rd to Chaparral Rd	Widen from 2 to 4 lanes with a median	55.34	39	42	\$7,900,000	TBD	No	EJ, P	
K30-23	N/A	Jasper Bridge Expansion	S Florence Rd to Jasper Dr	Construct 8 lane overpass with pedestrian improvements and turnarounds	54.99	40	43	\$24,628,150	TBD	No	EJ	
K25-05	N/A	Florence Rd	Elms Rd to Jasper Dr	Widen from 2 to 5 lanes with curb and gutter	54.72	41	44	\$6,292,450	TBD	No	EJ	
B40-08	N/A	Sparta Rd	Loop 121 to Dunn's Canyon Rd	Construct protected turn lane with 10 ft wide hike and bike trail	54.46	42	45	\$2,080,000	TBD	No	H, P	
W35-05	N/A	SH 195 at US 190/IH 14	At SH 195	Upgrade interchange	54.36	43	46	\$52,450,000	TBD	Yes	EJ	
T15-02	N/A	Kegley Rd (Phase 2)	856 ft S of FM 2305 to 450 ft S of Wildflower Lane	Widen and add a middle turn lane, curb and gutter; includes 12 ft shared use path and will incorporate multimodal design	51.63	45	47	\$3,800,000	TBD	No	H	
T45-13	N/A	Little River Rd	SE HK Dodgen Loop to FM 93	Reconstruct two lane arterial roadway with a center-turn lane, bike lanes, and 6 ft sidewalks	49.84	46	48	\$12,888,000	TBD	No	EJ	
K40-25	N/A	Bunny Trail/SH 201 (Clear Creek Rd) Traffic Signal	Intersection of Bunny Trail and SH 201 (Clear Creek Rd)	Install traffic signal	49.36	48	49	\$190,000	TBD	Yes	EJ	
W35-03	N/A	SH 195	FM 3470 (Stan Schlueter Loop) to Chaparral Rd	Reconstruct to a 4 lane freeway with frontage roads	48.45	49	50	\$39,862,000	TBD	Yes	EJ, H	
B40-02	N/A	Southwest Parkway	Loop 121 to W Ave O	Construct 2 lane roadway with center turn lane	48.10	51	51	\$4,200,500	TBD	No	—	
N45-01	N/A	FM 439 Roundabout	Intersection of Main St (FM 439 Spur) and Avenue I	Construction of a roundabout	47.83	52	52	\$10,000,000	2022	No	—	
T45-11	N/A	East Young Ave	Lower Troy Rd to Loop 363	Reconstruct and realign roadway from 2 to 4 lanes with a 6 ft wide sidewalk, and a center turn lane.	47.50	53	53	\$3,940,000	2023	No	EJ	
K40-06	N/A	FM 2484	SH 195 to IH-35	Widen from 2 to 4 lane divided roadway	45.08	54	54	\$35,000,000	TBD	No	H, ARZ, P	
B30-02	N/A	Shanklin Rd West - Outer Loop	IH-35 to E end of Three Creeks subdivision	Construct 4 lane roadway	44.82	55	55	\$10,820,000	TBD	No	—	
B40-09	N/A	West Avenue D	Loop 121 to Wheat Rd	Construct 2 lane roadway with sidewalks and bike lanes	44.09	56	56	\$4,918,500	TBD	No	EJ	
N45-03	N/A	Nola Ruth Reconfiguration	Intersection of Nola Ruth Blvd at US 190/IH-14	Improve intersection to enhance safety	43.84	57	57	\$10,000,000	2025	No	—	
B30-03	N/A	Belton Outer Loop East	IH-35 at Shanklin Rd to FM 436	Construct 2 lane roadway with shoulder	43.46	58	58	\$12,060,000	TBD	No	—	
B40-01	N/A	Huey Dr	Washington Dr to IH-35 Frontage Rd	Construct 2 lane roadway with a center turn lane	42.92	59	59	\$2,615,000	TBD	No	EJ	
T45-17	N/A	Azalea Dr	Lowes Dr to S 1st St Future Extension	Construct new 2 lane roadway with a continous center turn lane, 5 ft bike lanes, and 6 ft sidewalks	42.50	60	60	\$4,975,000	2020	No	EJ	
B30-01	N/A	George Wilson Extension	FM 93 at George Wilson Rd to FM 439	Construct 2 lane roadway with shoulder	42.19	61	61	\$1,386,984	TBD	No	EJ	
H30-03	N/A	FM 3219	Veterans Memorial Blvd/Business 190 to FM 439	Widen from 2 to 4 lane divided roadway	42.10	62	62	\$8,000,000	TBD	No	L,H	
B45-08	N/A	Mesquite Rd Improvements	IH-35 Frontage Rd to Shanklin Rd	Widen to 2 lanes with a curb, gutter, shoulders, bicycle lanes, and a 6 ft wide sidewalk on both sides	41.50	63	63	\$3,591,000	2020	No	H	
N45-02	N/A	FM 439 Shoulder Improvements & Bike Lanes	N 38th St to Sparta Rd	Construct a continuous shoulder and bicycle lane	38.17	64	64	\$1,600,000	2020	Yes	EJ, P	
N40-07	N/A	Warrior's Path Extension Phase I	Old Nolanville Rd to US 190/IH-14	Extend Warriors Path to US 190/IH -14	38.08	65	65	\$5,703,255	TBD	No	H	
T45-10	N/A	East Ave C	14th St to 24th St	Reconstruct roadway to 2 lanes and add bicycle lanes, sidewalks, lighting, and landscaping.	35.17	67	66	\$2,630,000	2023	No	EJ	
T45-12	N/A	Lake Pointe Dr	SH 317 to Clinite Grove Blvd (Future Collector)	Construct 2 lane roadway with bike lanes and sidewalks	33.49	68	67	\$4,000,000	2023	No	—	
T45-14	N/A	Lower Troy Rd	East Young Ave to Loop 363	Reconstruct roadway to 2 lanes with a continuous center-turn lane and 6 ft sidewalks	29.33	69	68	\$6,920,000	2023	No	EJ	

H40-03 <sup>6</sup>	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	
W40-04a2	N/A	Loop 121 Phase 1b	US 190 to IH-35	Widen from 2 to 4 lane divided roadway with a raised median	N/A	N/A	N/A	N/A	N/A	Yes	EJ, H, P	
W40-04b	N/A	Loop 121 Phase 2	IH-35 to FM 436	Widen from 2 to 4 lane divided roadway with bicycle and pedestrian improvements	N/A	N/A	N/A	N/A	N/A	No	EJ, H, P	
C45-01	N/A	Fort Hood Access Ramps	SH 9 @ Tank Destroyer Blvd	Construct access ramps from SH 9 to Tank Destroyer Blvd	N/A	N/A	N/A	N/A	N/A	Yes	—	

## TRANSPORTATION CHOICES/LIVABILITY PROJECTS<sup>8</sup>

KTMPO ID	CSJ Number	Project Name	Project Limits	Project Description	Project Score <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding <sup>4</sup>
T40-13	0909-36-173	Temple's Georgetown Rails to Trails	S 5th St to FM 93	Construct 10 ft wide hike and bike trail	84.73	3	2	\$2,000,000	2026	No	EJ, H, P	Short Range Funding: \$5,099,965
D40-02	N/A	North Waco Rd (Old 81) - Sidewalk	West Main St to West Big Elm	Construct 10' wide bicycle and pedestrian facility	69.02	11	5	\$1,700,000	2027	No	—	
K45-01	N/A	Heritage Oaks Hike & Bike Trail Segment 2	Siltstone Dr to Fawn Dr	Construct shared use path for bicyclists and pedestrians	58.57	26	6	\$1,200,000	2020	No	EJ	
S40-02	N/A	Salado Creek Off-Road Trail: Pace Park	Pace Park along Pace Park Rd	Construct 10 ft wide trail	57.44	27	7	\$199,965	TBD	No	ARZ, ES, P	
B45-01	N/A	Belton's Georgetown Rails to Trails	E Ave B to Leon River Bridge	Construct 10 ft wide shared use path to connect KTMPO projects B40-05 and T40-13	86.01	2	8	\$2,040,000	TBD	No	EJ, H	Long Range Funding: \$26,937,064
T45-02	N/A	Downtown Sidewalks - 1st and 3rd St	Maybourn Civic Center to Ave F	Construct and repair sidewalks with ADA-compliance ramps, crosswalks and landscaping	75.42	4	9	\$2,720,000	TBD	Yes	EJ, P, H	
B45-02	N/A	6th Ave Sidewalk & Shared Use Path	Main St (SH 317) to IH 35 Frontage Rd	Construct 6 ft wide sidewalk on north side of 6th Ave, 10 ft wide SUP on the south side and relocate utilities underground.	73.44	5	10	\$6,000,000	TBD	Yes	EJ, L	
B45-05	N/A	Commerce/Industrial Shared Use Path	Sparta Rd to Main St (SH 317)	Construct 10 ft wide shared use path on east side of Commerce St and north side of Industrial Park Rd; provide curb and gutter along Commerce St	72.15	8	11	\$1,233,333	TBD	No	H	
B40-12	N/A	Belton Hike and Bike Trail Extension Southwest	Confederate Park to Nolan Creek Pedestrian Bridge	Construct 10 ft wide hike and bike trail	71.08	9	12	\$3,252,480	TBD	No	EJ, H, P	
T45-03	N/A	E Central Sidewalks	MLK Dr to N. 22nd St	Construct 6 ft wide sidewalks, repair existing sidewalks with crosswalks and landscaping.	69.29	10	13	\$600,000	TBD	No	EJ, P	
B45-04	N/A	Beal St Sidewalk	E 24th Ave to E 6th St	Construct 5 ft sidewalk on east side from E. 24th Ave to Downing St, construct 5 ft sidewalk on both sides from E 13th Ave to Railroad Track, and construct 5 ft sidewalk on west side from Railroad Track to E. 6th Ave with bicycle signage along entire project	69	12	14	\$282,500	TBD	No	EJ, P	
T45-08	N/A	West Adams Sidewalks	Olaf Dr to IH 35	Construct 6 ft wide sidewalk	68.71	13	15	\$950,000	TBD	Yes	EJ	
T45-06	N/A	South Pea Ridge Greenbelt Trail	W Adams Ave (FM 2305) to Poison Oak Rd	Construct 8 ft wide trail along linear park east of S Pea Ridge Rd and through Von Rosenberg Park	66.57	14	16	\$1,680,000	2023	No	P	
T40-25	N/A	Bird Creek Interceptor Trail	N side of Lions Community Park to Midway Dr (near Bonham Middle School)	Construct 8 ft wide trail	66.43	15	17	\$375,000	TBD	No	P	
B45-07	N/A	Avenue H Sidewalk/Rd Improvements	Main St (SH 317) to Saunders St	Construct 5' wide sidewalk on north side of Ave H with Bicycle Signage and reconstruct roadway and widen to 2 lanes from Connell St. to Saunders St.	66	16	18	\$429,167	TBD	No	EJ	
T45-09	N/A	Apache Dr Sidewalks	W Adams Ave (FM 2305) to Gila Trail	Construct 6 ft. wide sidewalks and crosswalks	65.84	17	19	\$325,000	2023	No	EJ	
T45-07	N/A	Temple Lake Park Connection	FM 2271 to Temple Lake Park	Construct 8 ft wide hike and bike trail	64.56	18	20	\$2,640,000	2023	No	P	
T25-05	N/A	FM 2271 Trail	FM 2305 to Miller Spring Park	Construct 8 ft wide trail	63.88	19	21	\$950,000	TBD	Yes	H, P	
T45-04	N/A	Friars Creek Trail	Friars Creek Trail Terminus to S 1st St Future Extension	Construct 10 ft wide hike and bike trail to extend and connect to existing trail sections	63.85	20	22	\$500,000	2023	No	—	
N40-05	N/A	FM 439 Spur Connectivity	Main St to North Dr	Construct 10 ft wide sidewalk, ADA ramps and crosswalks, improve shoulders at Main St	63.71	21	23	\$967,500	TBD	No	—	
T45-01	N/A	Canyon Creek Trail	Canyon Creek Dr to Lions Park	Construct 8 ft hike and bike trail	62.58	22	24	\$720,000	2023	No	P	
S40-01	N/A	Salado Creek Shared Use Path - Royal St	Main St at College Hill Dr to 0.09 mi N of Royal St on Center Circle	Construct alternate transportation route consisting of shared-use path for bicyclists and pedestrians	62.42	23	25	\$368,959	TBD	No	ARZ, H, ES	
T45-05	N/A	Hickory Rd Sidewalk	Midway Dr to Aspen Trail	Construct 6 ft sidewalk with crosswalks	61.43	24	26	\$500,000	TBD	No	P	
B45-06	N/A	Central Ave Sidewalk & Traffic Signals	Main St (SH 317) to Pearl St	Upgrade to a 5 ft wide sidewalk on north side of Central Ave and install pedestrian crossing infrastructure at intersection of Main St (SH 317) to Pearl St.	59.29	25	27	\$403,125	TBD	No	—	
N40-09	N/A	Pleasant Hill Rd	Lonesome Oak Dr to Ave I	Construct Class 2, buffered on-street bike lane	N/A	N/A	N/A	\$500,000	N/A	No	H	Unscored/Unfunded List
N40-11	N/A	Nolan Creek Off System Trail	Bridge on Old Nolanville Rd to Levy Crossing	Construct 10 ft multi-use trail bordering Nolan Creek	N/A	N/A	N/A	N/A	N/A	No	H	
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	—	
N40-13	N/A	Wild Wood Trail	Lonesome Oak Dr to Ave I	Construct an 8 ft wide multi use trail	N/A	N/A	N/A	\$400,000	N/A	No	—	
S40-04b <sup>1</sup>	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 <sup>1</sup>	Project Ranking <sup>1</sup>	Prioritized List <sup>1</sup>	Estimated Cost	Estimated Let Date	CMP Network <sup>2</sup>	Environmental Considerations <sup>3</sup>	Funding <sup>4</sup>
N/A	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:**

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

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

<sup>3</sup>Environmental 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

<sup>4</sup>Fiscal 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

<sup>5</sup>Project is a combination between C35-02a and C35-02b. Project C35-02b was the top prioritized livability project.

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

<sup>7</sup>KTMPO 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.

<sup>8</sup>Note: KTMPO received 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 received four bonus points as discussed by TAC at the November 28, 2018 meeting. Project B45-05 would've received bonus points to accommodate 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 entities 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\*
- September 18, 2019\*
- October 23, 2019

\* Administrative Amendments

End of Packet