Comment on the draft 2024 safety performance measure targets

The Lawrence-Douglas County Metropolitan Planning Organization (MPO) is releasing draft targets for the 2023 safety measures. Safety measures include: the number of fatalities and serious injuries, rate of fatalities and serious injuries per 100 million VMT, and the number of non-motorized fatalities & serious injuries.

These annual targets are federally required performance measures under Fixing America's Surface Transportation Act - FAST Act.

The 15-day public comment period for these draft targets starts on October 11, 2023 and will end on October 25, 2023.

These targets will come before the Lawrence-Douglas County Metropolitan Planning Organization (MPO) Policy Board for approval on November 16, 2023. Following MPO Policy Board approval these targets will be incorporated into the <u>FFY23 Transportation Improvement Program (TIP)</u> and into <u>Transportation 2050</u>.

The draft targets can be accessed online at: www.lawrenceks.org/mpo/t2050/.

Written comments may be emailed to mpo@lawrenceks.org or mailed Lawrence-Douglas County MPO, PO Box 708, Lawrence, KS 66044.

Performance Measure 9:

Number of Fatalities (all public roads)

This measure includes the total number of persons suffering fatal injuries in crashes during a calendar year using five-year rolling averages. Law enforcement provides crash information to the Kansas Department of Transportation (KDOT) for compiling and KDOT dispenses the data to the MPO. The MPO desires improved safety beyond the target; however, the target reflects rolling averages with projections based on historical trends. Rolling average information is shown for the entity which maintains the road the crash occurred on. View the road maintenance map on page 7. The total Douglas County rolling average for the five year period is the official measure and MPO target.

										_					
Rolling Averages	Total Douglas County	Crash on	Road Maiı	ntaine	d by		2013 2017		14- 18	2015 2019		016- 020	2017 2021		2018- 2022
2007-2011	7.6			City	of Lawr	ence	1.	8	1.2	1	.4	2.2	2	.4	2.6
2008-2012	8.8			Dou	ıglas Cc	ounty	2.	0	2.2	2.	.0	2.4	2	.2	2.0
2009-2013	7.2	Kansas D	epartmen ^a	t of Tra	ansport	ation	1.	2	1.4	2.	.0	3.8	4	.4	4.2
2010-2014	7.4		Kansas	Turnpi	ke Auth	ority	0.	6	8.0	0.	.8	0.6	0	.6	0.6
2011-2015	8.2				Town	ships	1.	4	1.4	1.	.6	1.0	0	.8	0.4
2012-2016	7.4			To	tal Map	ped*	7.	0	7.0	7.	.8	10.0	10	.4	9.8
2013-2017	7.2	KDOT [ouglas Co	unty Tr	affic Fat	alities	7.	2	7.2	8.	.0	10.2	11	.5	
2014-2018	7.2	*Some crashes of	don't have mapp	able data											
2015-2019	8.0														
2016-2020	10.2														
2017-2021	10.6														
2018-2022	10.0	20													
Note: Including bicycle, and crashes.	•	16 14 12 10 8 6 4 2 0 2009	2010 2011	2012	2013 201	4 201	5 2016	2017	2018	2019	2020	2021	2022	2023	2024
	Annual Fatalities		3 9	11	6 8		5	10	6	12	18	7	7	2023	2027
	5-Yr Avg	9.4	8.8 7.6	8.8	7.2 7.4	8.2	7.4	7.2	7.2	8.0	10.2	10.6	10.0		
	Projected 2023													10.0	
	2024 5-Yr Avg T	arget													10.4

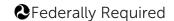
Source: Kansas Department of Transportation

Anticipated Update: Yearly

Target Set by MPO Policy Board: Pending November 16, 2023

2024 Target **10.4**





Performance Measure 10:

Rate of Fatalities per 100 million VMT (all public roads)

This measure includes the ratio of total number of fatalities to the number of vehicle miles traveled (VMT, in 100 Million VMT) in a calendar year using five-year rolling averages. Law enforcement provides crash information to the Kansas Department of Transportation (KDOT) for compiling and KDOT dispenses the data to the MPO. The MPO desires improved safety beyond the target; however, the target reflects rolling averages with projections based on historical trends. The total Douglas County rolling average for the five year period is the official measure and MPO target.

Rolling Averages	Total Douglas County																	
2007-2011	0.80			Г														
2008-2012	0.92					atality and m					-		_					
2009-2013	0.75					erforr												
2010-2014	0.77				the	Vehic	cle M	iles T	ravel	ed (V	MT)	infor	matic	n pro	ovide	ed		
2011-2015	0.85		by KDOT is not split into the specific entities crashes occurred on (e.g. township roads). Thus, only the total															
2012-2016	0.74			Douglas County rate is shown here. To see the per														
2013-2017	0.69		entity crashes go to Performance Measure 9.															
2014-2018	0.68								7									
2015-2019	0.73																	
2016-2020	0.99		2.50															
2017-2021	1.03	2.50 -																
2018-2022	0.98																	
Note: Include bicycle, and crashes.	•	1.50 - 1.00 - 0.50 -			*				*	*	^	**				-0	•	
		0.00	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
	Fatality Rate per 100 M	illion VMT	0.75	0.32					0.71				1.12	1.97	0.67			
	5-Yr Avg		1.0	0.9	0.8	0.9	0.8	0.8	8.0	8.0	0.7	0.7	0.8	1.0	1.0	1.0	0.05	
	Projected 2023 2024 5-Yr Avg Target																0.95	1.05

Source: Kansas Department of Transportation

Anticipated Update: Yearly

Target Set by MPO Policy Board: Pending November 16, 2023

2024 Target **1.05**

Safety and Security

Performance Measure 11:

Number of Serious Injuries (all public roads)

This measure includes the total number of persons suffering at least one serious injury in a crash during a calendar year using five-year rolling averages. Law enforcement provides crash information to the Kansas Department of Transportation (KDOT) for compiling and KDOT dispenses the data to the MPO. KDOT changed to the national definition of serious injuries on January 1, 2019 (see the last page for the definitions). The MPO desires improved safety beyond the target; however, the target reflects rolling averages with projections based on historical trends. Rolling average information is shown for the entity which maintains the road the crash occurred on. View the road maintenance map on page 7. The total Douglas County rolling average for

the five year period is the official measure and MPO target.

the hive year	period is the o
Rolling Averages	Total Douglas County
2007-2011	65.0
2008-2012	59.4
2009-2013	54.4
2010-2014	50.2
2011-2015	42.2
2012-2016	35.8
2013-2017	31.0
2014-2018	26.6
2015-2019	25.4
2016-2020	25.0
2017-2021	28.4
2018-2022	28.4

2013-2014-2015-2016-2017-2018-Crash on Road Maintained by 2017 2018 2019 2020 2021 2022 0.0 0.0 0.0 0.0 0.4 0.4 City of Baldwin City 12.2 City of Lawrence 16.4 14.0 12.0 10.8 10.4 Douglas County 3.6 3.4 3.8 3.2 4.4 4.2 KS Department of Transportation 3.6 2.8 3.6 44 6.4 7.4 KS Dept of Wildlife, Parks, & Tourism 0.0 0.0 0.2 0.2 0.2 0.2 Kansas Turnpike Authority 4.4 3.6 3.2 2.6 2.8 2.0 Private (Lawrence) 0.2 0.2 0.2 0.2 0.2 0.2 0.6 0.4 0.4 0.4 0.4 University of Kansas 0.4 Total Mapped* 28.8 24.4 23.6 23.0 25.8 26.2 **KDOT Douglas County Traffic-**31.0 25.0 26.6 25.4 28.4 28.4 Related Serious Injuries

*Some crashes don't have mappable data

Note: Includes vehicle, bicycle, and pedestrian crashes.



Source: Kansas Department of Transportation

Anticipated Update: Yearly

Target Set by MPO Policy Board: Pending November 16, 2023

2024 Target

Safety and Security

Performance Measure 12: Rate of Serious Injuries per 100 million VMT (all public roads)

This measure includes the ratio of total number of serious injuries to the number of vehicle miles traveled (VMT, in 100 Million VMT) in a calendar year using five-year rolling averages. Law enforcement provides crash information to the Kansas Department of Transportation (KDOT) for compiling and KDOT dispenses the data to the MPO. KDOT changed to the national definition of serious injuries on January 1, 2019 (see the last page for the definitions). The MPO desires improved safety beyond the target; however, the target reflects rolling averages with projections based on historical trends. Data is shown by jurisdiction, but the total Douglas County number is our official measure and MPO target.

Rolling Averages	Total Dou County	iglas																_	
2007-2011		6.84				ς	eriou	ıs iniı	ırv cı	rashe	s are	shov	wn h	v the	entit	v wh	0		
2008-2012		6.22						-	-		he ro		-			-			
2009-2013		5.70									ire 11								
2010-2014		5.23									eled (nto th								
2011-2015		4.37				oco	curre	d on	(e.g.	towr	nship	roac	ls). Tl	hus, d	only t	the to	otal		
2012-2016		3.66									is sh						er		
2013-2017		3.11			L		enti	ty cr	asne:	s go	to Pe	rtorr	nanc	е ме	asure	2 11.			
2014-2018		2.58																	
2015-2019		2.40																	
2016-2020		2.40	8.0						4										
2017-2021		2.72	7.0		-0-	-0.		₩											
2018-2022		2.77	6.0				10												
Note: Include bicycle, and p crashes.	,		5.0 4.0 3.0 2.0 1.0	2000	2010	2011	2012	2012	2014	2015	2016	2017	2010	2010	2020	2021	2022	0	
Serious In	jury Rate per	100 Milli	ion VMT	2 009	2010 6.8	5.7	5.6	2013	2014 3.4	2015	2016	2017	2018	2019	2020	3.8	3.1	2023	2024
5-Yr Avg	jury Rate per	TOO MINI	OIT VIVI	6.72			6.22				3.66			2.40		2.72	9.1		
Projected	2023									1127								2.95	
2024 5-Yr	Avg Target																		3.00

Source: Kansas Department of Transportation

Anticipated Update: Yearly

Target Set by MPO Policy Board: Pending November 16, 2023

2024 Target

3.00

Safety and Security

Performance Measure 13:

Number of Non-Motorized Fatalities & Serious Injuries (all public roads)

This measure includes the combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year using five-year rolling averages. KDOT changed to the national definition of serious injuries on January 1, 2019. The MPO desires improved safety beyond the target; however, the target reflects rolling averages with projections based on historical trends. Rolling average information is shown for the entity which maintains the road the crash occurred on. View the road maintenance map on page 7. The total Douglas County rolling average for the five year period is the official measure and MPO target.

Rolling Averages	Total Douglas County	Crash on	Road	Maintai	ned l	οу)13-)17	201 201		2015- 2019)16-)20	201 202		2018- 2022
2007-2011	7.8			City o	f Law	rence	9	5.4	5	5.0	4.0)	3.8		3.4	3.0
2008-2012	7.6			Doug	las C	ounty	/	0.4	(0.4	0.2	2	0.2		0.2	0.2
2009-2013	7.8	KS Depa	rtment	of Tran	nspor	tatior	1	0.2	(0.2	0.2	2	0.2		0.2	0.2
2010-2014	7.6	К	ansas -	Turnpik	e Aut	hority	/	0.2	(0.2	0.2	2	0.0		0.0	0.0
2011-2015	7.4		F	Private	(Lawr	ence)	0.2		0.2	0.2	2	0.2		0.0	0.0
2012-2016	7.4		Uı	niversity	y of K	ansa	s	0.6	(0.4	0.4	1	0.4		0.2	0.2
2013-2017	7.8		W	akarus	Tow	nship)	0.2	C	0.0	0.0)	0.0	(0.0	0.0
2014-2018	7.0			Tota	l Mar	oped	*	7.2	6	5.4	5.2	2	4.8		4.0	3.6
2015-2019	5.8	KDC	T Dou	glas Co	unty	Non		7.8	-	7.0	5.8	3	5.4		5.4	4.4
2016-2020	5.4	Мо	torized	l Fatal a												
2017-2021	5.4	12 ome crashes o	1 't b	ennable de		njurie	S									
2018-2022	4.4	orne crasnes o	ion i nave n	парравіе ца	ıta											
		10 8 6 4 2 0 2009	2010 20	011 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Annual N	Ion-Motorized Fatalities & Sei Injuries	ious 10	6	7 8	8	9	5	7	10	4	3	3	7	5		
5-Yr Avg	,	8.0	8.8 7	.8 7.6	7.8	7.6	7.4	7.4	7.8	7.0	5.8	5.4	5.4	4.4		
Projected															4.6	
2024 5-Y	r Avg Target															5.0

Source: Kansas Department of Transportation

Anticipated Update: Yearly

Target Set by MPO Policy Board: Pending November 16, 2023

2024 Target **5.0**

Safety and Security