## **Connecting Kentuckiana 2050: Performance Measures Baselines and Targets**

The baselines and targets for the performance measures, as part of the Metropolitan Transportation Plan (MTP) update, are how our progress is determined regarding our goals and objectives in the region. Performance measures, via the baselines and targets, help establish where the tracking of our progress begins, and give us the target to measure how well projects contribute to the goals.

Performance measures with the draft baselines and targets are listed under the goals and objectives. Objectives and associated federal performance measures are listed in blue. Baselines and targets that are subject to change are highlighted in yellow.

\*Performance measure is associated with more than one objective

#### 1) Safety

Goal 1: Increase safety for all users of the transportation system.

bjective A: Stabilize and decrease serious inju	ry crashes and fatalities	i.				
Measure	Description	Baseline (5-Yr Rolling Average 2016-2020)	Target (5-Yr Rolling Avg 2018- 2022)	Data	Source	Notes
lumber of serious injuries		705.3	644.3	KY state police, ARIES (Indiana)	FHWA	
erious injury rate (per 100 million VMT)		6.25	5.82	KY state police, ARIES	FHWA	
lumber of fatalities		140.6	149.4	KY state police, ARIES	FHWA	
atality rate (per 100 million VMT)		1.25	1.36	KY state police, ARIES	FHWA	
Dbjective B: Reduce bicycle and pedestrian relation of the second s	ated crashes.					
Measure	Description	Baseline (5-Yr Rolling Average 2016-2020)	Target (5-Yr Rolling Avg 2018- 2022)	Data	Source	
lumber of non-motorized fatalities and serious injuries		117.7	117.5	KY state police, ARIES	FHWA	
Objective C: Increase safety on fixed route tran	sit and paratransit.					
Measure	Description	Baseline (2016-2020)	Target	Data	Source	
lumber of fixed route fatalities	Total	N/A	0	TARC PTASP	FTA	
lumber of paratransit fatalities	Total	N/A	0	TARC PTASP	FTA	
ixed route fatality rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.0036	TARC PTASP	FTA	
aratransit fatality rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.016	TARC PTASP	FTA	
ixed route injuries	Total	N/A	55	TARC PTASP	FTA	
aratransit injuries	Total	N/A	10	TARC PTASP	FTA	
ixed route injury rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.77	TARC PTASP	FTA	
aratransit injury rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.18	TARC PTASP	FTA	
lumber of fixed route safety events	Total	N/A	35	TARC PTASP	FTA	
lumber of paratransit safety events	Total	N/A	5	TARC PTASP	FTA	
ixed route safety event rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.47	TARC PTASP	FTA	
aratransit safety event rate	Rate per 100,000 vehicle route miles (VRM)	N/A	0.13	TARC PTASP	FTA	
Dbjective D: Increase transportation safety thr			I	11		
Measure	Description	Baseline	Target	Data	Source	

### 2) Sustainability

bjective A: Support improved modal connection	tivity in pedestrian, bicycle, and transit projects that cor	tribute to cleaner air.					
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	Notes
umber of miles of gaps in the pedestrian network.	Total mileage of gaps between pedestrian facilities	228	194	114	KIPDA Pedestrian Facility Gap Analysis	мро	
umber of miles of gaps in the bicycle network.	Total mileage of gaps between dedicated bicycle facilities	56	48	28	KIPDA Bicycle Facility Gap Analysis	MPO	
umber of miles of pedestrian facilities along a transit oute.*	Total mileage of sidewalks or multi-use paths within 1/4 mile of a transit route.	422	485	633	KIPDA pedestrian facilities, TARC routes	MPO	
umber of miles of dedicated bicycle facilities along a ansit route.*	Total mileage of bike lanes or multi-use paths within 1 mile of a transit route.	54	62	81	KIPDA bicycle facilities, TARC routes	мро	
bjective B: Prioritize roadway projects that (	enhance existing infrastructure operations and support c	onnection to other mode	s.				
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	
		n/a					
bjective C: Promote environmental sustaina	bility and protect historic, natural, and cultural resource	s.					
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	
		n/a					
	I						
bjective D: Reduce disruption to travel by lin	miting encroachment into environmentally sensitive area	s negatively impacted by	weather events and clima	te change.			
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	
	ut	n/a					
	<u> </u>		<u></u>				
bjective E: Improve air quality by reducing c	arbon-based vehicle miles traveled.						
bjective E: Improve air quality by reducing c Measure	arbon-based vehicle miles traveled.	Baseline	2 Year Target	4 Year Target	Data	Source	
Measure		Baseline VOC-38.555 NOx-101.689	2 Year Target VOC-22.329 NOx-60.144	4 Year Target VOC-44.658 NOx-120.289	Data	Source FHWA	
Measure		VOC-38.555	VOC-22.329	VOC-44.658	Data		
Measure Ital emissions reductions (CMAQ) recent of non-SOV travel in urbanized area (CMAQ) nual hours of peak hour excessive delay per capita		VOC-38.555 NOx-101.689	VOC-22.329 NOx-60.144	VOC-44.658 NOx-120.289	Data	FHWA	
		VOC-38.555 NOx-101.689 19.5	VOC-22.329 NOx-60.144 18.5	VOC-44.658 NOx-120.289 19.0	Data	FHWA	

## 3) Equity

Goal 3: Foster an accessible and equitable transportation system.

bjective A. Reduce auto-dependent acce	ss and increase transportation options to employment, ed	ucation, and fieldfilldre.		-	-		
Measure	Description	Baseline (2020)	4 Year Target	2050 Target	Data	Source	Notes
ercent of commutes by transit	Percent of commute trips made by bus, calculated for all counties in MPO region.	1.88%	2.07%	2.63%	American Community Survey, 5-Year Estimates, 2020 Table B08301	MPO	
ercent of commutes by walking	Percent of commute trips made by walking, calculated for all counties in MPO region.	1.55%	1.71%	2.17%	American Community Survey, 5-Year Estimates, 2020 Table B08301	MPO	
ercent of commutes by biking	Percent of commute trips made by bike, calculated for all counties in MPO region.	0.22%	0.24%	0.31%	American Community Survey, 5-Year Estimates, 2020 Table B08301	мро	

Objective B: Minimize disproportionate burder	ns and ensure equitable benefits from transportation i	nvestments in areas with h	igh minority and low-inco	me population.					
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source			
	EJ population determined by maximum count from either minority or low-income.	194,663	214,130	272,529	KIPDA Environmental Justice Areas, TARC routes	MPO			
	EJ population determined by maximum count from either minority or low-income.	48,385	53,224	67,740	KIPDA Environmental Justice Areas, TARC routes	MPO			
Dbjective C: Implement innovative outreach st	bjective C: Implement innovative outreach strategies to marginalized communities.								
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source			
		n/a							
Dbjective D: Implement innovative outreach st	trategies to marginalized communities.								
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source			

## 4) Economic

Objective A: Support acc	ess to work by maintaining or improving reasonable tra	el time on the region's tr	ansportation infrastructur	e.						
Measure	Description	Baseline (2022)	2 Year Target	4 Year Target	Data	Source			Notes	
evel of travel time reliability on interstates.*	KIPDA endorses KYTC and INDOT targets	KY - 91.3% IN - 99.6%	KY - 93.0% IN - 90.5%	KY - 93.0% IN - 92.8%	NPMRDS	FHWA				
evel of travel time reliability n non-interstate National lighway System (NHS).*	KIPDA endorses KYTC and INDOT targets	KY - 86.5% IN - 92.1%	n/a	KY - 82.5% IN - 89.8%	NPMRDS	FHWA				
Dbjective B: Develop a su	stainable workforce through better employment access	ibility and mobility optior	ns, especially for those resi	ding in low-income area	s with high unemployment.					
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source				
Average headway of transit routes traveling from EJ areas t employment clusters.	٥	TBD	-10%	-20%	TARC General Transit Feed Specification, KIPDA Environmental Justice Areas, KIPDA employment clusters	MPO	Joseph G		Posorske of the wee	will have this by t k.
Objective C: Enhance mu	Iti-modal access to major employment centers and areas	with anticipated employ	ment growth.							
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source				
obs within a ¼ mile walk sidewalk present).	Number of employees (jobs) within 1/4 mile of a sidewalk or multi- use path.	565,246	607,639	904,394	Data Axle 2019 employment, KIPDA pedestrian facilities 2021	MPO	75%	80%	89%	Swap for percentage o employees inst
obs within a 1-mile bike ride dedicated bike facility).	Number of employees (jobs) within 1 mile of a bike lane or multi- use path.	460,775	495,333	737,240	Data Axle 2019 employment, KIPDA bicycle facilities 2021	MPO	61%	65%	73%	of number o employees.
	1	ning.		<u> </u>						
bjective D: Strengthen	coordination between transportation and land use plan									
bjective D: Strengthen	coordination between transportation and land use plan Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source				

## 5) Roadway System

Goal: Create a modern, innovative, and efficient roadway system.

bjective A: Maintain or	improve travel time on freeway and interstate roadwa	iys.					
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	Notes
evel of travel time reliability in interstates.*	KIPDA endorses KYTC and INDOT targets	KY - 91.3% IN - 99.6%	KY - 93.0% IN - 92.8%	N/A	NPMRDS	FHWA	RITIS
bjective B: Maintain or	improve travel time on arterial roadways.						
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	
evel of travel time reliability n non-interstate National lighway System (NHS).*	KIPDA endorses KYTC and INDOT targets	KY - 86.5% IN - 92.1%	KY - 82.5% IN - 89.8%	N/A	NPMRDS	FHWA	RITIS
Dbjective C: Stabilize and	decrease vehicle miles traveled.						
Measure	Description	Baseline (2019, in thousands)	4 Year Target	2050 Target	Data	Source	
Annual regional vehicle miles raveled.	Annual regional VMT estimated from annual county-level daily vehicle miles traveled in 2019.	11,476,964	-2%		INDOT, KYTC	MPO	per capita i developmer
bjective D: Direct effort	s to expand facilities in support of electric and automa	ted vehicles and other futur	re transportation technolog	gy.			
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	
lumber of electric vehicle harging stations.	Public electric vehicle chargers as of June 2022.	98	172	980	https://afdc.energy.gov/dat a_download	МРО	
Objective E: Explore inno	vative management and operation strategies.	,					
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	
		n/a					

### 6) Transit

GOAL: Expand public transit and non-single occupant vehicle travel throughout the region.

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Objective A: Improve access to tra	nsit.							
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source		Notes
Annual TARC fixed-route ridership number of boardings).	Measure the change in the number of annual boardings on TARC buses	5,018,004	TBD	TBD	TARC FY 2022 Ridership Summary	мро		
Population served in transit service area (1/4 mile of a route).	Measure the change in the number of commuters using transit.	315,679	347,247	441,951	American Community Survey, 5-Year Estimates, 2020 Table B01003	мро		
Objective B: Prioritize transit servi	ce to employment, schools, and other activity centers.		I	1				
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source		
Number of schools served by transit (1/4 mile of a route).	Identify the number of schools, colleges, and universities within 1/4 mile of a transit route	300	3% Increase or 309 schools, colleges, or universities	10% Increase or 330 schools, colleges, or universities		мро		ally change this o percentage to be
Number of employees served in transit service area (1/4 mile of a route).	Identify the number of jobs located within a 1/4 mile of a transit route.	481,516	TBD	TBD	Data Axle 2019 employment, TARC 2021 bus routes	мро		nt with 4-Econom objective C
Objective C: Increase ridesharing b	y expanding vanpooling, carpooling, and similar strategies.							
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source		
Number of rideshare trips.	Measure the change in the number of vanpool, carpool, transit, walking, biking, and telework trips logged through the Every Commute Counts program.	23,000	47,693	4,549,713		MPO		

#### 7) Active Transportation

Goal: Expand active transportation options with connected pedestrian and bicycle infrastructure.

Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	Notes
nber of miles of pedestrian lities (sidewalks and shared-use as).	Number of miles of sidewalks or multi-use paths on collectors and above.	895.99	985.5886458	1254.385549		MPO	
jective B: Increase access to	and utilization of bicycle facilities.						
Measure	Description	Baseline (2022)	4 Year Target	2050 Target	Data	Source	
rease number of miles of bicycle ilities	Number of miles of bike lanes on collectors and above.	91.56	100.7210182	128.1903868		мро	
ojective C: Increase or impro	ve existing bicycle and pedestrian access to transit.						
jective C: Increase or impro	ve existing bicycle and pedestrian access to transit.	Baseline (2022)	4 Year Target	2050 Target	Data	Source	
Measure mber of miles of pedestrian		Baseline (2022) 422	4 Year Target 464	2050 Target 591	Data KIPDA pedestrian facilities, TARC routes	Source MPO	
Measure nber of miles of pedestrian lities along a transit route.* nber of miles of dedicated bicycle	Description Total mileage of sidewalks or multi-use paths within 1/4 mile of a				KIPDA pedestrian facilities,		
Measure nber of miles of pedestrian lities along a transit route.* nber of miles of dedicated bicycle	Description Total mileage of sidewalks or multi-use paths within 1/4 mile of a transit route. Total mileage of bike lanes or multi-use paths within 1/4 mile of	422	464	591	KIPDA pedestrian facilities, TARC routes KIPDA bicycle facilities, TARC	мро	
Measure mber of miles of pedestrian dities along a transit route.* mber of miles of dedicated bicycle dities along a transit route.*	Description Total mileage of sidewalks or multi-use paths within 1/4 mile of a transit route. Total mileage of bike lanes or multi-use paths within 1/4 mile of	422	464	591	KIPDA pedestrian facilities, TARC routes KIPDA bicycle facilities, TARC	мро	

### 8) Freight

Goal: Support the reliable movement of freight.

bjective A: Reduce delay	y and improve reliability for trucks traveling on int	erstates, freeways, and arterials	5.				
Measure	Description	Baseline (2021)	2 Year Target	4 Year Target	Data	Source	Notes
uck Travel Time Reliability TTR) on the Interstates	KIPDA endorses KYTC and INDOT targets	KY - 1.35 IN - 1.20	KY - 1.19 IN - 1.27	KY - 1.19 IN - 1.30		FHWA	RITIS
bjective B: Improve truc	k access to freight destinations.						
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	
		n/a					
bjective C: Safely integra	ate freight mobility with other transportation mod	es.					
Measure	Description	Baseline (2021)	4 Year Target	2050 Target	Data	Source	
		n/a					

# 9) Resiliency

Resiliency							
Goal: Implement resilient infrastructure	e.						
Dbjective A: Improve pavement condition.				· · · · · · · · · · · · · · · · · · ·			
Measure	Description	Baseline (2017)	4 Year Target	2050 Target	Data	Source	Notes
Percent of pavements in Good condition on Interstates	KIPDA endorses KYTC and INDOT targets	46.20%	TBD	TBD	KYTC and INDOT	FHWA	
Percent of pavements in Poor condition on Interstates	KIPDA endorses KYTC and INDOT targets	1.90%	TBD	TBD	KYTC and INDOT	FHWA	
Percent of pavements in Borderline condition on nterstates		11.10%	10%	TBD	KYTC and INDOT	MPO	
Percent of pavements in Good condition on non- nterstate NHS	KIPDA endorses KYTC and INDOT targets	24.90%	TBD	TBD	KYTC and INDOT	FHWA	
ercent of pavements Poor condition on non-Interstate	KIPDA endorses KYTC and INDOT targets	3.90%	TBD	TBD	KYTC and INDOT	FHWA	
ercent of pavements in Borderline condition on non- nterstate NHS		12.10%	13.50%	TBD	KYTC and INDOT	MPO	
Objective B: Improve bridge condition.							
Measure	Description	Baseline (2017)	4 Year Target	2050 Target	Data	Source	
ercent of deck area in Good condition on bridges arrying the NHS		30.50%	30.50%	TBD	National Bridge Inventory	FHWA	
Percent of deck area in Poor condition on bridges arrying the NHS		10.50%	7.10%	твр	National Bridge Inventory	FHWA	
Percent of bridges on functionally classified roads Collector and above that are in Good condition		27.80%	TBD	41.70%		MPO	
Percent of bridges on functionally classified roads Collector and above that are in Poor condition		6.90%	TBD	3.50%		MPO	
Dbjective C: Reduce the percent of transit flee	et exceeding the useful life benchmark a	ind maintain the condition					
Measure	Description	Baseline (2021)	Target	N/A	Data / Sources	Source	
			Trucks and Other Rubber Tire Vehicles: ≤ 45% exceed ULB of 10 years				
		N/A	Non-revenue service vehicle fleet		FY23 TARC TAM Plan	FTA	
Percent of non-revenue vehicles exceeding ULB			(equipment/Automobile): ≤ 10% exceed 8 years Buses: ≤ 10% exceed ULB of 15 years				
Percent of revenue vehicles exceeding ULB		N/A	Cutaway Buses: < 0% exceed ULB of 10 years Vans: < 0% exceed ULB of 8 years		FY23 TARC TAM Plan	FTA	
Objective D: Increase system reliability on fixe	d route transit and paratransit.						
Measure	Description	Baseline (2021)	Target	Data	Source		
Fixed route system reliability		N/A	5,478	TARC	FTA	_	
Paratransit system reliability		N/A	70,781	TARC	FTA		
Objective E: Prioritize resiliency strategies to e	extend the life span and functionality of	the transportation system	n.				
Measure	Description	Baseline (2021)	Target Mid (2030)	Target Long (2050)	Data / Sources	Source	
		n/a					
Objective F: Add redundant infrastructure to	increase system resiliency.		·	·	·		
Measure	Description	Baseline (2021) n/a	Target Mid (2030)	Target Long (2050)	Data / Sources	Source	
Objective G: Integrate climate change conside	erations into asset management.				<u>.</u>		
Measure	Description	Baseline (2021)	Target Mid (2030)	Target Long (2050)	Data / Sources	Source	
		n/a					