
2050 MTP-Adoption of Goals, Objectives, and Performance Measures

Staff Report
February 4, 2021

BACKGROUND AND REQUEST:

As part of the public participation process for the 2050 Metropolitan Transportation Plan, The Area Plan Commission of Tippecanoe County has conducted two online surveys to help determine goals and objectives for the plan. The first survey asked respondents to rank the importance of nine different goals. This survey had 591 respondents. The second survey asked respondents to prioritize three to five objectives for each of the nine different goals. This survey had 223 respondents.

After conducting these surveys, Area Plan staff worked with the local government engineers to develop performance measures to evaluate how effectively the goals and objectives are being met through the life of the plan.

The goals, objectives, and performance measures for the 2050 Metropolitan Transportation Plan need to be officially adopted before they are included in the final plan.

After evaluating the responses to the first survey, the goals were ranked in the following order (goal 1 was the most important to respondents, while goal 9 was the least important):

1. Improve Safety for All Users
2. Enhance Transportation Options and Accessibility for All Users
3. Improve, Expand, and Connect Sidewalks, Trails, and Bike Lanes
4. Improve Infrastructure Resilience
5. Improve and Expand Transit Service
6. Improve the Transportation Network to Promote Climate Sustainability
7. Reduce Traffic Congestion on Roads
8. Improve Regional Infrastructure
9. Improve Delivery of Freight and Goods

After evaluating the responses to the second survey, the objectives were ranked for each goal. The following tables show the rankings of these objectives, sorted by goal:

Improve Safety for All Users

Objectives	Ranking
Identify and rebuild high crash intersections	1
Construct more trails and sidewalks	2
Add bus stops and bus pull-offs to give people a safe place to wait for the bus	3
Add signage or signals (where appropriate) to improve traffic and pedestrian safety	4
Work with law enforcement to develop strategies to reduce speeding problems and crashes	5

Enhance Transportation Options and Accessibility for All Users

Objectives	Ranking
Add sidewalk ramps where they are missing to make sidewalks accessible for all users	1
Repair and maintain sidewalks to eliminate trip hazards	2
Add pedestrian crossing signals or similar regulatory measures to ensure safe road crossings for all users	3
Make bus stops accessible for all users	4

Improve, Expand, and Connect Sidewalks, Trails, and Bike Lanes

Objectives	Ranking
Construct sidewalks along major roads and near popular destinations to allow for longer trips on the sidewalk network	1
Connect existing trails to each other to allow for longer trips on the trail network	2
Construct sidewalks in neighborhoods where they are missing to allow for travel within the neighborhood	3
Add bicycle lanes on existing streets to allow for longer trips on public roadways	4

Improve Infrastructure Resilience

Objectives	Ranking
Emphasize maintenance of existing roads over new construction	1
Install green infrastructure to improve drainage and reduce flooding impacts to roads and bridges	2
Strategically construct and reconstruct roads to avoid disruptions to transportation in the event of a natural or man-made disaster	3

Improve and Expand Transit Service

Objectives	Ranking
Make bus stops accessible to all users	1
Add more bus routes	2
Increase the number of bus shelters	3
Increase the hours when bus service is available	4
Add passenger rail service to major cities (Chicago, Indianapolis, Cincinnati)	5

Improve the Transportation Network to Promote Climate Sustainability

Objectives	Ranking
Improve storm drainage along streets	1
Plant more street trees and other non-invasive vegetation to improve the urban environment	2
Install refueling stations for electric or other hybrid vehicles	3
Prepare for autonomous (self-driving) vehicles	4

Reduce Traffic Congestion on Roads

Objectives	Ranking
Reconstruct existing roads to improve traffic flow within the community	1
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland)	2
Reconstruct existing roads to accommodate regional traffic	3
Increase alternative transportation options	4
Prepare for autonomous (self-driving) vehicles	5

Improve Regional Infrastructure

Objectives	Ranking
Widen Interstate 65 to 6 lanes from Indianapolis to Chicago	1
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland)	2
Construct roads that reduce travel times for through trips	3

Improve Delivery of Freight and Goods

Objectives	Ranking
Reconstruct existing roads to improve traffic flow within the community	1
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland)	2
Solve truck delivery issues to reduce disruption to traffic and improve safety	3
Create pull-offs or zones for ride sharing and food/package delivery	4
Reconstruct existing roads to accommodate freight traffic	5

The following tables show the performance measures for each goal and objective:

Goal: Improve Safety for All Users	
Objectives	Performance Measures
Identify and rebuild high crash intersections	Crashes per million entering vehicles for intersections
Construct more trails and sidewalks	Number of added and repaired miles of ADA compliant trails and sidewalks
Add bus stops and bus pull-offs to give people a safe place to wait for the bus	Number of bus stops with safety and ADA amenities
Add signage or signals (where appropriate) to improve traffic and pedestrian safety	Number of pedestrian and bicyclist crashes
Work with law enforcement to develop strategies to reduce speeding problems and crashes	Number of crashes whose primary cause was speeding

Goal: Enhance Transportation Options and Accessibility for All Users	
Objectives	Performance Measures
Add sidewalk ramps where they are missing to make sidewalks accessible for all users	Number of added and reconstructed sidewalks with ADA compliant ramps
Repair and maintain sidewalks to eliminate trip hazards	Number of miles of repaired and reconstructed sidewalks
Add pedestrian crossing signals or similar regulatory measures to ensure safe road crossings for all users	Number of crossings with pedestrian signals or similar regulatory measures
Make bus stops accessible for all users	Number of bus stops with safety and ADA amenities

Goal: Improve, Expand, and Connect Sidewalks, Trails and Bike Lanes	
Objectives	Performance Measures
Construct sidewalks along major roads and near popular destinations to allow for longer trips on the sidewalk network	Number of added miles of sidewalks along roads with a Thoroughfare Plan classification of major collector or higher
Connect existing trails to each other to allow for longer trips on the trail network	Number of missing miles of trails identified in this plan
Construct sidewalks in neighborhoods where they are missing to allow for travel within the neighborhood	Number of missing miles of sidewalk identified in this plan
Add bicycle lanes on existing streets to allow for longer trips on public roadways	Number of added miles of bicycle lanes identified in adopted plans

Goal: Improve Infrastructure Resilience	
Objectives	Performance Measures
Emphasize maintenance of existing roads over new construction	Average pavement condition ratings
Install green infrastructure to improve drainage and reduce flooding impacts to roads and bridges	Number of miles of added and reconstructed roads with green infrastructure that improves drainage
Strategically construct and reconstruct roads to avoid disruptions to transportation in the event of a natural or man-made disaster	Number of missing miles and reconstructed deficient roads identified in the ring and spoke network map

Goal: Improve and Expand Transit Service	
Objectives	Performance Measures
Make bus stops accessible to all users	Number of bus stops with safety and ADA amenities
Add more bus routes	Number of miles of bus routes
Increase the number of bus shelters	Number of bus shelters
Increase the hours when bus service is available	Number of hours when buses are operating
Add passenger rail service to major cities (Chicago, Indianapolis, Cincinnati)	Frequency of service to listed major cities

Goal: Improve the Transportation Network to Promote Climate Sustainability	
Objectives	Performance Measures
Improve storm drainage along streets	Number of street flooding events
Plant more street trees and other non-invasive vegetation to improve the urban environment	Number of miles of road with new tree and non-invasive vegetation plantings that reduce carbon footprint
Install refueling stations for electric or other hybrid vehicles	Number of electric vehicle/hybrid vehicle refueling stations
Prepare for autonomous (self-driving) vehicles	Number of traffic signals that can connect to autonomous vehicles

Goal: Reduce Traffic Congestion on Roads	
Objectives	Performance Measures
Reconstruct existing roads to improve traffic flow within the community	Number of miles of reconstructed roads; number of traffic signals added to traffic management systems
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland, Park East between South St and SR 38)	Number of missing miles of new roads identified in this plan
Reconstruct existing roads to accommodate regional traffic	Number of miles of reconstructed roads with a Thoroughfare Plan classification of “major collector” or higher
Increase alternative transportation options	Number of added and repaired miles of ADA compliant trails, sidewalks, and bicycle facilities; number of hours of transit service and microtransit service
Prepare for autonomous (self-driving) vehicles	Number of traffic signals that can connect to autonomous vehicles

Goal: Improve Regional Infrastructure	
Objectives	Performance Measures
Widen Interstate 65 to 6 lanes from Indianapolis to Chicago	Number of additional miles of Interstate highway in Tiptecanoe County with 6 lanes
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland, Park East between South St and SR 38)	Number of missing miles of new roads identified in this plan
Construct roads that reduce travel times for through trips	Number of miles of new roads and reconstructed roads with a functional classification of “secondary arterial” or higher

Goal: Improve Delivery of Freight and Goods	
Objectives	Performance Measures
Reconstruct existing roads to improve traffic flow within the community	Number of miles of reconstructed roads
Construct new connections between major roads (examples: US 231 to Interstate 65, US 231 to Hoosier Heartland, Park East between South St and SR 38)	Number of missing miles of new roads identified in this plan
Solve truck delivery issues to reduce disruption to traffic and improve safety	Number of dedicated delivery zones

Create pull-offs or zones for ride sharing and food/package delivery	Number of dedicated zones for ride sharing/car sharing and food/package delivery
Reconstruct existing roads to accommodate freight traffic	Number of miles of reconstructed roads with a Thoroughfare Plan classification of "major collector" or lower

STAFF RECOMMENDATION:

Staff recommends approval of these goals, objectives, and performance measures to the Policy Board.