

PERFORMANCE MEASURES & TARGET SETTING

OCARTS AREA

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REGIONAL TRANSPORTATION PLANNING

acog

PERFORMANCE MEASURES

MAP-21/FAST ACT: Develop measures to track and maximize the benefits of transportation planning decisions and link infrastructure investments to:

- STBG-UZA project selection
- Metropolitan Planning and ITS
- Transportation Improvement Program (TIP/Short Range Plan)
- Metropolitan Transportation Plan (MTP/Encompass 2040)

TARGET SETTING

- Establishing a quantifiable value to gauge progress over time
- Current target year – CY2022
- System performance targets are set every four years
- Two options:
 - Support the targets set by ODOT
 - Set our own targets for roads in the metropolitan area (OCARTS Region)

TARGETS TO SET

- Pavement Condition
- Bridge Condition
- System Performance
 - Travel Time Reliability
 - Truck Travel Time Reliability

OCARTS NHS PAVEMENT CONDITION

- ODOT identifies the maintaining of current performance of roadways as the desired state of good repair.
- Pavement condition is calculated using:
 - Pavement Quality Index
 - Anticipated funding levels
 - Detailed analytical models based on years of historical pavement condition and performance data
- OCARTS pavement condition was derived from ODOT statewide calculations.

OCARTS INTERSTATE NHS PAVEMENT CONDITION

	ACOG'S CALCULATED MEASURE	ODOT'S 2022 TARGET	ACOG'S 2022 RECOMMENDATION
GOOD CONDITION	54.9% of OCARTS Pavements in Good Condition	Stay above 50%	Support ODOT's Target
POOR CONDITION	2.3% of OCARTS Pavements in Poor Condition	Stay below 3%	Support ODOT's Target

OCARTS NON-INTERSTATE NHS PAVEMENT CONDITION

	ACOG's Calculated Measure	ODOT's 2022 Target	ACOG's 2022 Recommendation
GOOD CONDITION	28.1% of OCARTS Pavements in Good Condition	Stay above 45%	Adopt regional target: stay above 28%
POOR CONDITION	3.9% of OCARTS Pavements in Poor Condition	Stay below 5%	Support ODOT's Target

OCARTS NHS BRIDGE CONDITION

- Bridge condition is classified as “good” or “poor” using the National Bridge Inventory (NBI) condition ratings.
- Condition is determined by the lowest rating for Deck, Superstructure, Substructure and Culvert.
- OCARTS bridge condition was derived from ODOT statewide calculations.

OCARTS NHS BRIDGE CONDITION

	ACOG's Calculated Measure	ODOT's 2022 Target	ACOG's 2022 Recommendation
GOOD CONDITION	45% of OCARTS Bridges in Good Condition	Stay above 55%	Adopt regional target: stay above 45%
POOR CONDITION	4.4% of OCARTS Bridges in Poor Condition	Stay below 5%	Support ODOT's Target

OCARTS SYSTEM PERFORMANCE

- System performance measures assess the Travel Time Reliability (TTR) for all traffic on the NHS and the Truck Travel Time Reliability (TTTR) for trucks only on the interstate system.
- TTR and TTTR are calculated using speed data from the National Performance Management Research Data Set (NPMRDS).
- TTR and TTTR are calculated as a ratio of the worst-case travel time (80th percentile) to the normal travel time (50th percentile).

OCARTS INTERSTATE AND NON-INTERSTATE TRAVEL TIME RELIABILITY

	ACOG's Calculated Measure	ODOT's 2022 Target	ACOG's 2022 Recommendation
INTERSTATE	86.5% of OCARTS Interstate NHS are Reliable	Stay above 90%	Adopt regional target: stay above 86%
NON INTERSTATE	79.5% of OCARTS Interstate NHS are Reliable	Stay above 80%	Support ODOT's Target

OCARTS INTERSTATE NHS

TRUCK TRAVEL TIME RELIABILITY

ACOG's Calculated Measure	ODOT's 2022 Target	ACOG's 2022 Recommendation
TTTR Index of 1.49	Stay below 1.33	Adopt regional target: stay below 1.50

FUTURE PERFORMANCE MEASURES*

- Economic Strength/Performance
 - Mode share for commuter trips
 - User Cost (as a function of delay)
- Safety and Security
 - Existence of Regional Security Strategies
- Equity and Options/Connectivity
 - Miles of sidewalk and bicycle paths/lanes added within $\frac{1}{4}$ mile of a transit stop
 - Percent of population and jobs located within $\frac{1}{4}$ mile of transit stops
- Healthy Communities/Connectivity
 - Annual air quality index reading for the region
 - Average trip distance
 - Total miles of sidewalk and bicycle facilities

*non federally required measures, established by the OCARTS region for ENCOMPASS 2040

ANNUAL SAFETY TARGETS

- Established every year
- Next target year: CY 2019
- Targets due to ODOT by February 27, 2019
 - For information in December 2018
 - For action in January 2019

QUESTIONS?

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