

TAM Coordination with Other NHS Owners

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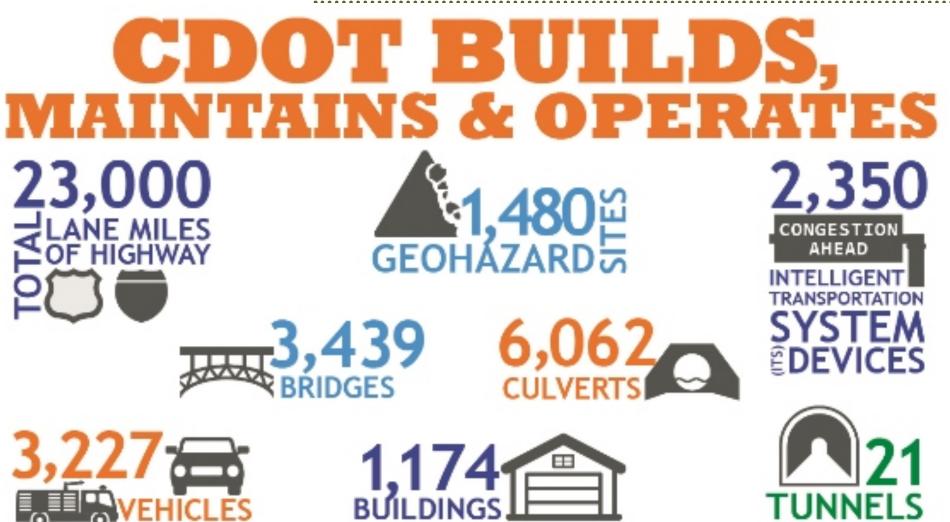
November 2017

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Department of Transportation **About CDOT**



Source: Colorado Department of Transportation, 2015

\$1.43 BILLION BUDGET



• September 6, 2012

- "Does the CDOT have any inclination to revise and update their Principal Arterial network with any additions? Please alert me to the status of this action. Thanks."

- Engaged MPOs

- TACs
- MPO Boards
- STAC
- Also, rural TPRs
- Explained ramifications of adding roads to the NHS
- Estimated adding about 540 miles to off-system NHS
 - Pre-enhanced NHS = 146 miles (potential to have 686 miles of off-system NHS)
 - Currently 485 miles of off-system NHS



Since 2015 – Participated on monthly MPO meetings discussing NPRMs

- Safety
- PM2
- PM3
- Reduce information

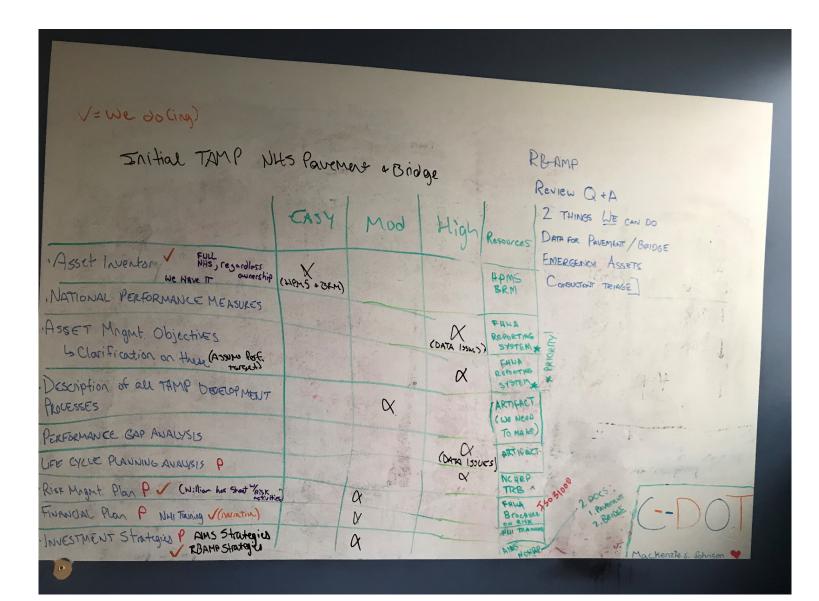
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- Memos
- Presentations



COLORADO Step #1 – Figure Out What We Are Doing

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COLORADOStep #2 – Figure Out What They Are Doing

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formance	Part 490 Subpart	Performance Measure	Proposed Metrics	Applicability	Formulae		Reporting	MPO Requirement	MPO Report	Target Periods	State Target Adjustment	Data Source
Group F	Subpart	Five-year average performance of fatalities and serious injuries on public roadways	Number of Fatalities Fatalities per 100 million VMT Number of Serious Injuries Serious Injuries per 100 million VMT Number of non-motorized fatalities and non-motorized serious injuries	All public roads	N/A	2018-2022	Frequency Biennial Reporting	MPOs can choose to set quantifiable targets or support State targets	must be able to provide to the FHWA upon request	same five safety performance measures for all public roads in the MPO planning area within 180 days after the State establishes each target.	Annual target setting	State Crash Records FARS - Fatality Analysis Reporting System
2	Pavement	Percent of NHS and Interstates in Good or Poor Condition	• % of Interstate in Good/Poor condition • % of non-Interstate NHS in good/poor condition	Interstate and non- Interstate NHS	19 X 2021 (Sold Free - Dege Freed x Through Lover _{matted} 2021 (Sold Free - Dege Freed x Through Lover _{matted} 2021 (Sold Free - Dege Freid x Through Lover _{matted} 19 x 2021 (Sold Free - Dege Freid x Through Lover _{matted}	2018 to 2022	Biennial Reporting	MPOs can choose to set quantifiable targets or support State targets	MPO shall report baseline conditions and progress toward achieving targets in their metropolitan transportation plan	2-year and 4-year for non-interstate NHS 4-year for Interstate	If a State changes its four-year target, and an NPO orginally chose to support the State's target, an MPO has 180 days to: • Agree to plan a program of projects to contribute to the adjusted State target or • Commit to a new, quantifiable MPO target	
PM2	Bridge	FHWA performance measures for assessing bridge condition and setting targets for NHS bridges	* % of NHS bridges by deck area classified as Good condition * % of NHS bridges by deck area classified as Poor condition	NHS	$\begin{split} & 200\times \frac{\sum_{i=1}^{200}\left[\log(n+i)\times M(M)\log_{10}\right]}{\sum_{i=1}^{200}\left[\log(n+i)\times M(M)\log_{10}\right]}\\ & 200\times \frac{\sum_{i=1}^{200}\left[\log(n+i)\times M(M)\log_{10}\right]}{\sum_{i=1}^{200}\left[\log(n+i)\times M(M)\log_{10}\right]} \end{split}$	2018 to 2022	Biennial Reporting	NPOs can choose to set quantifiable targets or support State targets	MPO shall report baseline conditions and progress toward achieving targets in their metropolitan transportation plan	2-year and 4-year		NBI - National Bridge Inventory
	Performance of the National Highway System (NHS) Reliability	Percent of the Interstate System providing Reliable Travel Times	Level of Travel Time Reliability (LOTTR)	Interstate System mileage within the State of MPA	LOTTR= 80th Percentile Travel Time 50th Percentile Travel Time		Biennial Reporting	MPOs can choose to set quantifiable targets or support State targets	Targets to respective State DOT(s) in a manner that is documented and mutually agreed upon by both parties. Baseline level and progress toward targets in Metropolitan Transportation Plan	 2-year and 4-year for the DOT 4-year for the MPD regardless of if they support the DOT target or set their own. 	 If a State changes its four-year target, and an NPO originally chose to support the State's target, an NPO has 180 days to: Agree to plan a program of projects to contribute to the adjusted State target or Commit to a new, quantifiable MPO target 	NPMRDS - National Performance Manage Research Data Set equivalent data set
		Percent of the non- Interstate NHS providing Reliable Travel Times	Level of Travel Time Reliability (LOTTR)	Non-Interstate NHS mileage within the State or each MPA	LOTTR ⁼ <u>80th Percentile Travel Time</u> 50th Percentile Travel Time		Biennial Reporting	MPOs can choose to set quantifiable targets or support State targets	Targets to respective State DOT(s) in a manner that is documented and mutually agreed upon by both parties. Baseline level and progress toward targets in Metropolitan Transportation Plan	2-year and 4-year for the DOT - 4-year for the MPD regardless of if they support the DOT target or set their own.	If a State changes its four-year target, and an NPO originally chose to support the State's target, an MPO has 180 days to: • Agree to plan a program of projects to contribute to the adjusted State target or • Commit to a new, quantifiable MPO target	NPMRDS - National Performance Manage Research Data Set equivalent data set
-	Freight Movement	Percent of the Interstate System Mileage providing for Reliable Truck Travel Times	Truck Travel Time Reliability [TTTR]	Interstate System mileage within the State or each MPA	$100 \times \frac{\sum_{a=1}^{R} SL_{a}}{\sum_{i=1}^{T} SL_{i}}$	2018 to 2022	Biennial Reporting	MPOs can choose to set quantifiable targets or support State targets	Targets to respective State DOT(s) in a manner that is documented and mutually agreed upon by both parties. Baseline level and progress toward targets in Metropolitan Transportation Plan	2-year and 4-year for the DOT 4-year for the MPO regardless of if they support the DOT target or set their own.	If a State changes its four-year target, and an MPO originally chose to support the State's target, an MPO has 180 days to a Agree to plan a program of projects to contribute to the adjusted State target or - Commit to a new, quantifiable MPO target	NPMRDS - National Performance Manage Research Data Set equivalent data set
PM3	CMAQ Program	Annual Hours of Peak-Hour Excessive Delay Per Capita	Total Peak-Hour Excessive Delay person-hours.	NHS roads in urbanized area over 1 million that are part designated as nonattainment or maintenance areas	N/A	2018 to 2022	Biennial Reporting	CDOT and MPO coordinate on a single unified target. Triple-threat MPO has to set their own target.	Targets to respective State DOT(s) in a manner that is documented and mutually agreed upon by both parties. Baseline level and progress toward targets in Metropolitan Transportation Plan	quantifiable targets if any part of a designated nonattainment and maintenance area overlaps the boundary of an urbanized population 1	If a State changes its four-year target, and an MPO originally chose to support the State's target, an MPO	NPMRDS Hourly continuous traffic counts or deriv
		Percent of Non-SOV Travel	%Non-SOV	Urbanized areas with a population over 1M/200k in nonattainment or maintenance for any of the criteria pollutants under the CMAQ program.	N/A	2018 to 2022	Biennial Reporting	CDOT and MPO coordinate on a single unified target. Triple-threat MPO has to set their own target.	Targets to respective State DOT(s) in a manner that is documented and mutually agreed upon by both parties. Baseline level and progress toward targets in Metropolitan Transportation Plan	quantifiable targets if any part of a designated nonattainment and maintenance area overlaps the boundary of an urbanized population 1	If a State changes its four-year target, and an MPO originally chose to support the State's target, an MPO has 180 days to: • Agree to plan a program of projects to contribute to the adjusted State target or • Commit to a new, quantifiable MPO target	 American Community Survey table DP0 Local Survey Modal Counts
		Total Emissions Reduction	NOX, VOX, CO, PM10, PM2.5	All nonattainment and maintenance areas for CMAQ criteria pollutants.	N/A	2018 to 2022	Biennial Reporting	- CDOT and MPO coordinate on a single unified target. - Triple-threat MPO has to set their own target. - A MPO shall establish quantifiable targets for each applicable politarkat and procursors for the nonattainment or maintenance areas within the Metropolitan Planning Area boundary. - Targets shall reflect the anticipated propolitan planning Area boundary. - Targets shall reflect the anticipated propolitation reduction to be reported in the CMAQ Public Access System	MPD shall report in the CMAQ Performance Plan to the DOT	Triple-threat MPD has to set 2 and 4-year targets. A MPD must develop both 2-year and 4-year quantifiable targets if any part of a designated norattainment and maintenance area overlaps the boundary of an urbanized population 1 million* or more Otherwise, only 4-year targets are needed C DOT and MPD coordinate on a single unified target. State target is a roll-up		Nontatianment or maintenance areas part 8 or FDR cirem Book Applicable States and MPOs - FHWA will on website Emission reduction estimated for each funded project by politant and precurso CMAQ Public Access System



- FHWA Colorado Division recommendation
 - Work with DRCOG to develop a model for other Colorado MPOs to follow.
 - PM1 (Safety) "process could have gone better".
 - To date:
 - Identified point)s) of contact

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- Clarified/reviewed requirements
- Established data/information exchange mechanisms and deadlines
- Identified applicable documents MPA vs. technical guidance
- Continue to investigate grey areas PM3/CMAQ.



- 1. Complete draft #1 of the process document.
- 2. Present document to other MPOs December 8.
- 3. Deliver data January 2018.
- 4. Present initial statewide target recommendations February 2018