

# National Performance Measures and Requirements

USDOT has established performance measures and target setting/reporting requirements for State DOTs, transit providers, and MPOs to use as required by the Moving Ahead for Progress in the 21st Century Act (MAP-21), the Fixing America's Surface Transportation (FAST) Act, and the Infrastructure Investment and Jobs Act (IIJA). The measures are associated with a range of federal-aid programs administered by FHWA and FTA:

- ① Highway Safety Improvement Program (HSIP)
- ② National Highway Performance Program (NHPP)
- ③ National Highway Freight Program (NHFP)
- ④ Congestion Mitigation and Air Quality Improvement Program (CMAQ)
- ⑤ Transit Asset Management (Section 5326)
- ⑥ Transit Safety & Oversight (Section 5329)

The measures support national transportation goals:

- Safety
- Infrastructure Condition
- Congestion Reduction
- System Reliability
- Freight Movement and Economic Vitality
- Environmental Sustainability
- Reduced Project Delivery Delays

*This draft summary was prepared by NJTPA staff based on published federal rules. The summary focuses on requirements of the NJTPA and its partner agencies. Specifics regarding interpretation of the rules or on requirements that are not fully defined should be clarified with USDOT to assure accuracy.*

## Timeline → DETAIL ON REVERSE

- Annual - NJDOT: roadway safety targets in HSP (7/1)/HSIP (8/31), HPMS/NBI reporting (3/15, 4/15, 6/15); NJ TRANSIT/PATH: transit asset targets (in TAM Plan); NJTRANSIT: transit safety targets (in PTASP); NJTPA: roadway safety targets (2/27)
- Biannual Performance Period (PP) Reports (10/1):
  - First Year of PP (2022, 2026...) - NJDOT: Full Performance Period Progress Report on previous PP, Baseline Performance Period Report on current PP; NJTPA: CMAQ Performance Plan
  - Third Year of PP (2024, 2028...) - NJDOT: Mid Performance Period Progress Report (option to modify 4-year targets); NJTPA: CMAQ Performance Plan

## Reporting to FHWA and/or FTA

- (by State DOT, Transit Provider(s), and/or MPO through State DOT)
- Segment data
  - Baseline system performance
  - Targets (1-yr for roadway/transit safety & transit assets: 2- and 4-yr for others)
  - Progress toward targets
  - How plan and program will achieve targets
  - Extenuating circumstances
  - Actions State will undertake to achieve targets
  - Related MPO activities (Certification Review)



## Coordination

- State DOT / MPO / transit provider(s)
- States and MPOs in Urbanized Areas with population >200K and NHS facilities (CMAQ measures, see below)
- Written procedures on data, reporting
- Policy, targets
- Planning with aim to achieve targets
- Communication to officials and public

## National Performance Management Measures

Funding Program	Performance Area	Measure	Metric	Coverage			Geography			Targets						
				Interstate	non-Interstate	NHS	All Public Roads	System-wide	CMAQ Projects in AQ Areas <sup>+</sup>	State	MPO	Urbanized Area <sup>++</sup>	Annual (1-year)	2-year	4-year	
① HSIP	Roadway Safety	5-yr rolling average	# of Fatalities (F)				●			●	●		●			
		5-yr rolling average	rate (per 100 MVMT) of F				●			●	●		●			
		5-yr rolling average	# of Serious Injuries (SI)				●			●	●		●			
		5-yr rolling average	rate (per 100 MVMT) of SI				●			●	●		●			
		5-yr rolling average	# of Non-motorized F+SI				●			●	●		●			
② NHPP	NHS Infrastructure Mgmt	% pavement lane-miles	pavement in good condition	●	●					●	●		●	●		
		% pavement lane-miles	pavement in poor condition	●	●					●	●		●	●		
		% bridge deck area	bridge in good condition			●					●	●		●	●	
		% bridge deck area	bridge in poor condition			●					●	●		●	●	
	NHS Performance	% person-miles-traveled (PMT)	with reliable travel times (LOTTR)	●	●					●	●		●	●		
③ NHFP	Freight	Index	truck travel time reliability (TTTR)	●						●	●		●	●		
④ CMAQ	Congestion	Annual hours per capita	peak hour excessive delay (PHED)			●						●	●	●		
		%	non-SOV travel					●				●	●	●		
	Emissions	Total emissions reduction	air pollutant emissions						●	●	●		●	●		
⑤ §5326	Transit Asset Mgmt	4 measures (by agency & asset class)	(see list on reverse)					●					●			
⑥ §5329	Transit Safety	13 measures (by system)	(see list on reverse)					●					●			

## NJTPA Urbanized Areas for CMAQ 2018-2021, 2022-2025 Performance Periods Based on 2010 Census Urban Areas

- New York-Newark (NY-NJ)
  - NJTPA, NJDOT, NYSDOT, NYMTC, DVRPC
- Philadelphia (NJ-PA-MD-DE)
  - NJTPA, NJDOT, PennDOT, MDOT, DelDOT, DVRPC, SJTPO, WILMAPCO, LCTCC
- Allentown (PA-NJ)
  - NJTPA, NJDOT, PennDOT, DVRPC, LVPC, NEPA, RATS

## 2026-2029 Performance Period Based on 2020 Census Urban Areas

- New York-Jersey City-Newark (NY-NJ)
  - NJTPA, NYMTC, DVRPC, NJDOT, NYSDOT
- Trenton (NJ)
  - NJTPA, DVRPC, NJDOT
- Allentown-Bethlehem (PA-NJ)
  - NJTPA, LVPC, RATS, DVRPC, NJDOT, PennDOT

<sup>+</sup>"AQ Areas" are nonattainment or maintenance areas for ozone, carbon monoxide or particulate matter

<sup>++</sup>Urbanized Areas > 200,000 population that overlap AQ Areas

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### ESTIMATED TIMELINE FOR MAP-21/FAST ACT/IIJA PERFORMANCE-BASED PLANNING

**Symbols**  
 📖 Rule/Plan  
 🕒 Target

**Colors**  
 🟡 NJDOT/NJDHTS/NJT/PATH  
 🟠 NJTPA

	CALENDAR YEAR 2022												CALENDAR YEAR 2023												CALENDAR YEAR 2024												CALENDAR YEAR 2025												CALENDAR YEAR 2026											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Performance Periods &amp; Target End Dates</b>	CY 2022												CY 2023												CY 2024												CY 2025												CY 2026											
Roadway Safety (annual targets, with 5-year rolling averages)	🕒												🕒												🕒												🕒												🕒											
NHS Infrastructure Mgmt, NHS Performance, CMAQ, Freight	🕒												🕒												🕒												🕒												🕒											
CMAQ Emissions (FFY=Federal Fiscal Year: 10/1-9/30)	🕒												🕒												🕒												🕒												🕒											
Transit Asset Mgmt (NJ TRANSIT, PATH)	🕒												🕒												🕒												🕒												🕒											
Transit Safety (NJ TRANSIT)	🕒												🕒												🕒												🕒												🕒											
<b>Target Due Dates</b>																																																												
Roadway Safety (NJDOT, NJTPA)	🕒												🕒												🕒												🕒												🕒											
NHS Infr Mgmt, System Perf, CMAQ, Freight (NJDOT, NJTPA)	🕒												🕒												🕒												🕒												🕒											
Transit Asset Mgmt (NJ TRANSIT, PATH)	🕒												🕒												🕒												🕒												🕒											
Transit Safety (NJ TRANSIT)	🕒												🕒												🕒												🕒												🕒											
<b>Data</b>																																																												
Updates to PHED methods: hourly volumes; car/truck/bus split	🕒												🕒												🕒												🕒												🕒											
Updates to travel time data source (if other than NPMRDS)	🕒												🕒												🕒												🕒												🕒											
NJDOT CMAQ project tracking system data for previous FY	🕒												🕒												🕒												🕒												🕒											
NJDOT submit data to HPMS/NBI	🕒												🕒												🕒												🕒												🕒											
Transit agencies submit data to NTD (NJ TRANSIT, PATH)	🕒												🕒												🕒												🕒												🕒											
<b>Plans</b>																																																												
NJ Highway Safety Plan (HSP) for NHTSA (NJDHTS)	🕒												🕒												🕒												🕒												🕒											
Transportation Asset Management Plan (TAMP) (NJDOT)	🕒												🕒												🕒												🕒												🕒											
NJTPA CMAQ Performance Plan	🕒												🕒												🕒												🕒												🕒											
Transit Asset Management (TAM) Plan (NJ TRANSIT, PATH)	🕒												🕒												🕒												🕒												🕒											
TAMP Consistency Determination (FHWA)	🕒												🕒												🕒												🕒												🕒											
Public Transportation Agency Safety Plan (NJ TRANSIT)	🕒												🕒												🕒												🕒												🕒											
<b>Reports</b>																																																												
Statewide HSIP Report (NJDOT)	🕒												🕒												🕒												🕒												🕒											
NJDOT PP Report: Baseline, Mid-Period; Full-Period	🕒												🕒												🕒												🕒												🕒											
NJTPA TIP Impact on Achieving Targets Report	🕒												🕒												🕒												🕒												🕒											
NJTPA System Performance Report	🕒												🕒												🕒												🕒												🕒											

### DETAILED LIST OF TRANSIT ASSET MANAGEMENT AND SAFETY MEASURES

- ⑤ Transit Asset Management (by agency & asset class)
  - % of revenue vehicles met or exceeded useful life benchmark (ULB)
  - % of non-revenue vehicles ≥ ULB
  - % of facilities rated below condition 3 on the TERM scale
  - % of track segments w/ performance restrictions
- ⑥ Transit Safety (by system: Newark Light Rail, Hudson Bergen Light Rail, NJ TRANSIT Bus)
  - Number (#) of fatalities
  - Rate of fatalities/million vehicle revenue miles (MVRM)
  - # of injuries
  - Rate of injuries/MVRM
  - # of collision events
  - Rate of collision events/MVRM
  - # of employee injuries
  - Rate of employee injuries/MVRM (light rail) or /200k hrs (bus)
  - # of fire events
  - Rate of fire events/MVRM
  - # of assaults & security incidents
  - Rate of assaults & security incidents/MVRM
  - Mean distance between major service failures

<sup>1</sup> MPO targets are due 180 days after state/transit agency shares targets with MPO

<sup>2</sup> MPOs that have NHS facilities within urbanized areas (> 1 million for first performance period, >200,000 thereafter) need to jointly establish targets for PHED and non-SOV travel

