

PROPOSED CONGESTION MANAGEMENT PERFORMANCE MEASURES

**Table 1
Congestion Metrics**

MPO Goal Area	Recommended Metrics	Data Sources
Mobility and Reliability	<ul style="list-style-type: none"> • Travel Time Index • Level of Travel Time Reliability • Truck Travel Time Reliability • Planning Time Index • 95th Percentile Travel Time • Vehicle-Miles Traveled • Annual Average Daily Traffic • Bottlenecks • PM3 Measure – Person Hours of Excessive Delay 	<ul style="list-style-type: none"> • NPMRDS • Probe Data Analytics • Replica HQ • MassDOT

MassDOT = Massachusetts Department of Transportation. MPO = Metropolitan Planning Organization. NPMRDS = National Performance Management Research Data Set. PM3 = Performance Measure Rule 3.

**Table 2
Supporting Metrics**

MPO Goal Area	Recommended Metrics	Data Sources
Safety	<ul style="list-style-type: none"> • Is the road included in the high-injury network? • Crash rate • Crash count by crash type 	<ul style="list-style-type: none"> • Vision Zero Plan • MassDOT IMPACT portal
Access and Connectivity	<ul style="list-style-type: none"> • Park-n-ride lot inventory for car parking and bike parking • Trip Origin-Destination land uses in corridor area 	<ul style="list-style-type: none"> • Future MPO work • Replica • Conveyal
Clean Air and Healthy Communities	<ul style="list-style-type: none"> • GHG emissions 	<ul style="list-style-type: none"> • NOx and PM data from EJScreen
Resiliency	<ul style="list-style-type: none"> • Roads located in MC-FRM areas • Roads included in evacuation route maps • EV charging stations in proximity to corridor 	<ul style="list-style-type: none"> • Massachusetts Coastal Flood Risk Model • Transportation Impact Mitigation program work
Equity	<ul style="list-style-type: none"> • Exposure to poor air quality by race/income/limited English proficiency • Environmental Justice Index • User cost of delay 	<ul style="list-style-type: none"> • MPO Equity Dashboard • EJScreen • RITIS Probe Data Analytics

EV = electric vehicle. GHG = greenhouse gas. MassDOT = Massachusetts Department of Transportation. MC-FRM = Massachusetts Coastal Flood Risk Model. MPO = Metropolitan Planning Organization. NOx = nitrogen oxides. PM = particulate matter. RITIS = Regional Integrated Transportation Information System.