

# Performance Measures & Asset Management Plan - Key Implementation Dates

Dates [Responsible Parties]	Safety Measures (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	Pavement and Bridge Condition Measures (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	Performance of NHS, Freight and CMAQ Measures (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">G</a> & <a href="#">H</a> )	NHS Asset Management Plan (23 CFR <a href="#">Part 515</a> )
<b>April 14, 2016</b> [FHWA, State DOTs, & MPOs]	<b>Final rule<sup>1</sup> effective date:</b> The FHWA Division Offices begin to ensure coordination <sup>2</sup> takes place between State Highway Safety Offices (SHSOs), State Departments of Transportation (State DOTs), and Metropolitan Planning Organizations (MPOs) for target selection.			
<b>May 20, 2017</b> [FHWA, State DOTs, & MPOs]		<b>Final rule<sup>3</sup> effective date:</b> The FHWA Division Offices begin to ensure coordination <sup>4</sup> takes place between State DOTs and MPOs for target establishment for the first Performance Period.	<b>Final rule<sup>5</sup> effective date:</b> The FHWA Division Offices begin to ensure coordination <sup>6</sup> takes place between State DOTs and MPOs for target establishment (except greenhouse gas (GHG) measure <sup>7</sup> ) for the first Performance Period.	

<sup>1</sup> Final Rule on "National Performance Management Measures: Highway Safety Improvement Program": Docket No. FHWA-2013-0020, RIN 2125-AF49, Federal Register - RIN 2125-AF49 Vol. 81, No. 50, Pg. 13882 - March 15, 2016: <https://www.gpo.gov/fdsys/pkg/FR-2016-03-15/pdf/2016-05202.pdf>.

<sup>2</sup> Coordination requirement between State DOTs and SHSOs under [23 CFR 490.209\(a\)\(1\)](#) and between State DOTs and MPOs under [23 CFR 490.209\(d\)\(1\)](#).

<sup>3</sup> Final Rule on "National Performance Management Measures; Assessing Pavement Condition for the National Highway Performance Program and Bridge Condition for the National Highway Performance Program": Docket No. FHWA-2013-0053, RIN 2125-AF53, Federal Register - Vol. 82, No. 11, Pg. 5886- January 18, 2017: <https://www.gpo.gov/fdsys/pkg/FR-2017-01-18/pdf/2017-00550.pdf>.

<sup>4</sup> Target selection coordination requirement between State DOTs and MPOs under [23 CFR 490.105\(e\)\(2\)](#) and [23 CFR 490.105\(f\)\(2\)](#).

<sup>5</sup> Final Rule on "National Performance Management Measures; Assessing Performance of the National Highway System, Freight Movement on the Interstate System, and Congestion Mitigation and Air Quality Improvement Program": Docket No. FHWA-2013-0054, RIN 2125-AF54, Federal Register - Vol. 82, No. 11, Pg. 5970 - January 18, 2017: <https://www.gpo.gov/fdsys/pkg/FR-2017-01-18/pdf/2017-00681.pdf>.

<sup>6</sup> Target selection coordination requirement between State DOTs and MPOs under [23 CFR 490.105\(e\)\(2\)](#) and [23 CFR 490.105\(f\)\(2\)](#).

<sup>7</sup> The effective date for the GHG measure was delayed until September 28, 2017, as described in Federal Register Notices published on September 28, 2017 [(82 FR 45179 Pg. 45179-45180): <https://www.federalregister.gov/documents/2017/09/28/2017-20804/national-performance-management-measures-assessing-performance-of-the-national-highway-system>] and May 19, 2017 [(82 FR 22879, Pg. 22879-22880)- <https://www.federalregister.gov/documents/2017/05/19/2017-10092/national-performance-management-measures-assessing-performance-of-the-national-highway-system>]. On October 5, 2017, FHWA published a Notice of Proposed Rulemaking (NPRM) in the Federal Register proposing to repeal the GHG measure [(82 FR 46427 Pg. 46427-46433): <https://www.federalregister.gov/documents/2017/10/05/2017-21442/national-performance-management-measures-assessing-performance-of-the-national-highway-system>].



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>June 15, 2017,<sup>8</sup> and annually thereafter</b> [FHWA]		<b>FHWA extraction of NHS bridge condition data:</b> FHWA extracts bridge condition metric data from NBI on June 15 every year to determine the minimum NHS bridge condition level <sup>9</sup> and complete the biennial determination of significant progress towards achieving targets <sup>10</sup> .		
<b>By June 15, 2017, and annually thereafter</b> [State DOTs]		<b>State DOTs report Interstate and Non-Interstate NHS pavement condition data to HPMS:</b> Note that the Interstate pavement condition data submittal due date changes to April 15, <sup>11</sup> beginning in 2019.		
<b>No later than August 31, 2017, and annually thereafter</b> [State DOTs]	<b>State DOTs reports safety targets:</b> State DOTs reports annual targets in their HSIP Annual Report to FHWA. <sup>12</sup> Note, the 2017 HSIP Annual Report is the first report by State DOTs where they will be required to include their safety performance targets. The State DOTs will report their CY2018 targets in the 2017 HSIP Annual Report as described in <a href="#">23 CFR 490.209(a)(2)</a> .			
<b>September 28, 2017</b> [FHWA, State DOTs, & MPOs]			<b>Greenhouse gas measure effective date.<sup>13</sup></b>	

<sup>8</sup> [23 CFR 490.411\(d\)](#)

<sup>9</sup> [23 CFR 490.411](#)

<sup>10</sup> [23 CFR 490.109\(d\)](#)

<sup>11</sup> [23 CFR 490.311\(c\)\(4\)](#) and [23 CFR 490.311\(d\)\(2\)](#)

<sup>12</sup> [23 CFR 924.15\(a\)](#)

<sup>13</sup> The announcement of the effective date of the portions of PM 3 related to the GHG measure was published in the Federal Register on September 28, 2017 [(82 FR 45179 Pg. 45179-45180): <https://www.federalregister.gov/documents/2017/09/28/2017-20804/national-performance-management-measures-assessing-performance-of-the-national-highway-system>]. Please see footnote 7 for additional information.



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>By October 1, 2017<sup>14</sup></b> [FHWA]		<b>FHWA determination of minimum NHS bridge condition level:</b> The FHWA makes the minimum NHS bridge condition level determination and notifies State DOTs. Note, the determinations in 2017 are based on the legacy definition <sup>15</sup> of “Structurally Deficient”.  Legacy definition of Structurally Deficient: A bridge will be classified as Structurally Deficient when one of its NBI Items, 58—Deck, 59—Superstructure, 60—Substructure, or 62—Culverts, is 4 or less, or when one of its NBI Items, 67—Structural Evaluation or 71—Waterway Adequacy, is 2 or less.		
<b>October 1, 2017, and every 4 years thereafter</b> [FHWA]			<b>CMAQ measure applicability determination:</b> Determination of which State DOTs and MPOs are subject <sup>16</sup> to CMAQ measure (PHED, Percent Non-SOV Travel, and Total Emissions Reduction measures) requirements for the Performance Period.	
<b>No later than October 1, 2017,<sup>17</sup> and annually thereafter</b> [State DOTs]			<b>The State DOT requests FHWA approval for the use of equivalent data source(s) for Travel Time based measures.</b>	
<b>October 2, 2017</b> [FHWA & State DOTs]				<b>Final rule<sup>18</sup> effective date for <a href="#">23 CFR Part 515</a>.</b>

<sup>14</sup> [23 CFR 490.411](#)(d) and [23 CFR 490.413](#)(b)

<sup>15</sup> Defined in the “Additional Guidance on 23 CFR 650 D”, dated September 30, 1992 (FHWA): <https://www.fhwa.dot.gov/bridge/0650dsup.cfm> and in [23 CFR 490.411](#)(b). Beginning with calendar year 2018 and thereafter, a bridge will be classified as Structurally Deficient when that bridge is classified as in Poor condition, as provided in [23 CFR 490.411](#)(b) and [23 CFR 490.409](#)(b)(3).

<sup>16</sup> [23 CFR 490.105](#)(e)(8), (e)(9), (f)(5), and (f)(6)

<sup>17</sup> [23 CFR 490.103](#)(e)(2)

<sup>18</sup> Final Rule on “Asset Management Plans and Periodic Evaluations of Facilities Repeatedly Requiring Repair and Reconstruction Due to Emergency Events”: Docket No. FHWA–2013–0052, RIN 2125–AF57, Federal Register - Vol. 81, No. 205, Pg. 73196 - October 24, 2016: <https://www.gpo.gov/fdsys/pkg/FR-2016-10-24/pdf/2016-25117.pdf>. [23 CFR Part 515](#) in this rule is effective October 2, 2017. [23 CFR Part 667](#) (Periodic Evaluation of Facilities Repeatedly Requiring Repair and Reconstruction Due to Emergency Events) is effective on November 23, 2016.



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>January 1, 2018<sup>19</sup></b> [State DOTs]		<i>First “full distress and IRI<sup>20</sup>” data collection cycle starts for Interstate System pavement measure:</i> For the purpose of implementing Interstate pavement condition measures, State DOTs collect IRI, rutting, faulting, cracking percent, and inventory data elements for full-extent Interstate System in accordance with specifications prescribed in <a href="#">23 CFR 490.309</a> and <a href="#">23 CFR 490.311</a> .		
<b>No later than February 27, 2018</b> (PM1 effective date + State DOT target reporting date + 180 days <sup>21</sup> ) [MPOs]	<b>MPOs establishes targets for the first time:</b> MPOs establish CY2018 <sup>22</sup> targets for the safety performance measures.			
<b>No later than March 1, 2018,<sup>23</sup> and annually thereafter</b> [State DOTs]			<b>State DOTs enter project information into the CMAQ project tracking system for each CMAQ project funded in the previous fiscal year:</b> For the purpose of implementing Total Emissions Reduction measure, the project information entered by March 1 will be used to determine the baseline.	

<sup>19</sup> [23 CFR 490.309\(a\)](#)

<sup>20</sup> [23 CFR 490.305](#) - International Roughness Index (IRI) means a statistic used to estimate the amount of roughness in a measured longitudinal profile. The IRI is computed from a single longitudinal profile using a quarter-car simulation, as described in the report: “On the Calculation of IRI from Longitudinal Road Profile” (Sayers, M.W., Transportation Research Board 1501, Transportation Research Board, Washington, DC 1995).

<sup>21</sup> [23 CFR 490.209\(c\)](#)

<sup>22</sup> [23 CFR 490.209\(c\)](#)

<sup>23</sup> [23 CFR 490.809\(b\)\(1\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>March 15,<sup>24</sup> 2018 and annually thereafter</b> [State DOTs]		<b>First year State DOTs will submit their annual National Bridge Inventory data to FHWA no later than March 15 of each year:</b> For the purpose of carrying out the minimum condition level determination for bridges and notifying State DOTs of their compliance prior to October 1 of each year, annual National Bridge Inventory data reporting to FHWA is no later than March 15 of each year.		
<b>By April 30, 2018,<sup>25</sup> and at least every 4 years<sup>26</sup> after the Initial FHWA Certification</b> [State DOTs]				<p><b>State DOT submission of initial Asset Management Plan and request for Plan Development Process Certification:</b> State DOTs submit to FHWA a State-approved Initial Asset Management Plan. The FHWA will review the plan development processes described in the initial plan to make a process certification decision under <a href="#">23 CFR 515.13(a)</a>. The FHWA will consider the completeness of the initial plan, but the plan is not subject to a consistency determination under <a href="#">23 CFR 515.13(b)</a>.</p> <p><b>State DOT Updates to Asset Management Plan &amp; Plan Development Processes:</b> State DOTs must update their Asset Management Plan and Plan Development Processes at least every 4 years, beginning on the date of the initial FHWA certification of the State DOT's Plan Development Processes. State DOTs must submit updated or amended processes and plans for a new process certification and new consistency determination as provided in <a href="#">23 CFR 515.13(c)</a>.</p>

<sup>24</sup> [23 CFR 490.411\(e\)](#)  
<sup>25</sup> [23 CFR 515.11\(a\)\(1\)](#)  
<sup>26</sup> [23 CFR 515.13\(c\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<p>Not later than 90 days<sup>27</sup> after FHWA receipt of the Plan Development Processes and Certification Request [FHWA]</p>				<p><b>Initial FHWA Process Certification:</b> FHWA makes a process certification decision not later than 90 days from receipt of the State DOT's processes and request for certification. FHWA expects State DOTs will first submit their processes as part of their Initial Asset Management Plans (due not later than April 30, 2018), and FHWA will treat submission of the initial plan as a request for process certification. Should FHWA identify deficiencies, State DOTs have 90 days<sup>28</sup> from receipt of the notice to address them and resubmit. The FHWA may extend the State DOT's 90-day period to cure deficiencies upon request.</p> <p><b>FHWA Re-Certification:</b> For all subsequent updated Plan Development Processes, FHWA makes a process certification decision 90 days<sup>29</sup> after receipt of the updated Plan Development Processes. State DOTs have 90 days<sup>30</sup> from receipt of the notice to address the deficiencies identified in the notice and resubmit. The FHWA may extend the State DOT's 90-day period to cure deficiencies upon request.</p>

<sup>27</sup> [23 CFR 515.13\(a\)](#)

<sup>28</sup> [23 CFR 515.13\(a\)\(2\)](#)

<sup>29</sup> [23 CFR 515.13\(a\)](#)

<sup>30</sup> [23 CFR 515.13\(a\)\(2\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>No later than May 20, 2018</b> (effective date + 1 year <sup>31</sup> ) [State DOTs]		<p><i>State DOTs establish targets for the first Performance Period:</i> State DOTs establish 4-year target only<sup>32</sup> for Interstate System pavement condition measures; and 2-year and 4-year targets for non-Interstate NHS pavement condition measures and NHS Bridge Condition measures for the first Performance Period.</p> <p><i>State DOTs shall submit their Data Quality Management Program<sup>33</sup> to FHWA for approval.</i></p>	<p><i>State DOTs establish targets for the first Performance Period:</i> State DOTs establish 4-year target only<sup>34</sup> for non-Interstate NHS Travel Time Reliability and PHED measures; and both 2-year and 4-year targets for Interstate NHS Travel Time Reliability, Freight Reliability, Percent Non-SOV Travel, and Total Emissions Reduction measures for the first Performance Period.</p>	
<b>On or after May 27, 2018<sup>35</sup></b> [State DOTs]	<p><i>Updates or amendments to the long-range statewide transportation plan (LRSTP) and Statewide Transportation Improvement Program (STIP) must be developed according to the performance-based provisions of 23 CFR Part 450 and the safety performance measure requirements.<sup>36</sup></i></p>			
<b>On or after May 27, 2018<sup>37</sup></b> [MPOs]	<p><i>Updates or amendments to the Metropolitan Transportation Plan (MTP) and Transportation Improvement Program (TIP) must be developed according to the performance-based provisions of 23 CFR Part 450 and safety performance measure requirements.<sup>38</sup></i></p>			

<sup>31</sup> [23 U.S.C. 150\(d\)\(1\)](#) and [23 CFR 490.105\(e\)\(1\)](#) & (4)

<sup>32</sup> [23 CFR 490.105\(e\)\(7\)](#)

<sup>33</sup> [23 CFR 490.319\(c\)\(1\)](#)

<sup>34</sup> [23 CFR 490.105\(e\)\(7\)](#) and (e)(8)(vi)

<sup>35</sup> [23 CFR 450.226](#)

<sup>36</sup> 23 CFR Part 490, Subparts [A](#) and [B](#)

<sup>37</sup> [23 CFR 450.340](#)

<sup>38</sup> 23 CFR Part 490, Subparts [A](#) and [B](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>By June 15, 2018,<sup>39</sup>and annually thereafter</b> [State DOTs]			<i>Metric data for Travel-time based measures reported to HPMS:</i> For the purpose of implementing all travel time based measures (Interstate and non-Interstate NHS Travel Time Reliability, Freight Reliability, and PHED measures), State DOTs report metric data to HPMS.	
<b>July 1, 2018,<sup>40</sup> and every year thereafter</b> [State DOTs]			<i>State DOTs extract the CMAQ Public Access System data for calculating the Total Emissions Reduction measure.</i>	
<b>No later than August 2, 2018<sup>41</sup></b> (60 days before 1 <sup>st</sup> first Baseline Performance Period Report due date) [State DOTs]			<i>State DOTs report the methodology to develop hourly traffic volume estimates and methodology they use to develop annual percent share of traffic volume by vehicle class to FHWA for PHED measure.</i>	
<b>No later than September 28, 2018</b> (effective date + 1 year <sup>42</sup> ) [State DOTs]			<i>State DOTs establish GHG targets for the first Performance Period:</i> State DOTs establish both 2-year and 4-year targets for GHG measure for the first Performance Period.	

<sup>39</sup> [23 CFR 490.511](#)(e), [23 CFR 490.611](#)(b) & [23 CFR 490.711](#)(f)

<sup>40</sup> [23 CFR 490.809](#)(b)(2)

<sup>41</sup> [23 CFR 490.709](#)(c)(3) and [23 CFR 490.709](#)(d)(2)

<sup>42</sup> [23 U.S.C. 150](#)(d)(1) and [23 CFR 490.105](#)(e)(1) & (4)



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<b>By October 1, 2018,<sup>43</sup> and annually thereafter</b> [FHWA]		<p><b>FHWA determination of minimum NHS bridge condition level:</b> The FHWA determines the minimum NHS bridge condition level with the new definition<sup>44</sup> of “Structurally Deficient” for the CY 2018 calculation, and annually thereafter, and notifies State DOTs.</p> <p>Note that under the new definition a bridge will be classified as “Structurally Deficient” when that bridge has any component in Poor or worse condition.<sup>45</sup></p> <p>The penalty provision requires a data point from 3 consecutive years. In CY 2018, the new definition of “Structurally Deficient” will be applied to the CY 2018 calculation; the data points for CY 2016 and CY 2017 will be based on the legacy definition.</p>		
<b>Not later than October 1, 2018, and every 4 years thereafter<sup>46</sup></b> [State DOTs and MPOs]			<b>Relevant State DOTs submit the MPO CMAQ Performance Plans (as applicable) as an attachment to the State DOT Baseline Performance Period Report.<sup>47</sup></b>	
<b>By October 1, 2018, and every 4 years thereafter<sup>48</sup></b> [State DOTs]		<b>State DOTs report targets for the performance period to FHWA in their Baseline Performance Period Report.</b>	<b>State DOTs report targets for the performance period to FHWA in their Baseline Performance Period Report.</b> State DOTs also report metrics <sup>49</sup> for the GHG measure and the data collection method <sup>50</sup> for the Percent Non-SOV Travel measure in their Baseline Performance Period Report.	

<sup>43</sup> [23 CFR 490.411](#)(b) and (d) and [23 CFR 490.413](#)(b)

<sup>44</sup> [23 CFR 490.411](#)

<sup>45</sup> [23 CFR 490.409](#)(b)(3) and [23 CFR 490.411](#)(b)

<sup>46</sup> [23 CFR 490.107](#)(b)(1)(ii)(G) and [23 CFR 490.107](#)(c)(3)

<sup>47</sup> [23 CFR 490.107](#)(b)(1)(ii)(G) and [23 CFR 490.107](#)(c)(3)(i)

<sup>48</sup> [23 CFR 490.107](#)(b)(1)

<sup>49</sup> [23 CFR 490.511](#)(f) and [23 CFR 490.107](#)(b)(1)(ii)(H)

<sup>50</sup> [23 CFR 490.709](#)(f)(2) and (f)(3)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<p><b>First Performance Period Only: Not later than November 16, 2018</b> (PM2 &amp; PM3 rules effective date + State DOT target establishment date (1 year<sup>51</sup>) + 180 days<sup>52</sup>) [MPOs]</p> <p><b>All Subsequent Performance Periods: Not later than State DOT target establishment date + 180 days<sup>53</sup></b> [MPOs]</p>		<p><b>MPOs establish targets:</b> MPOs establish 4-year targets not later than 180 days after the date on which the relevant State DOT(s) establishes the performance targets for the Interstate System and non-Interstate NHS pavement condition measures and NHS Bridge Condition measures.</p> <p>The MPOs report their established targets to their respective State DOT in a manner that is documented and mutually agreed upon by both parties.<sup>54</sup></p>	<p><b>MPOs establish targets:</b> MPOs establish 4-year targets not later than 180 days after the date on which the relevant State DOT(s) establishes targets for Interstate and non-Interstate NHS Travel Time Reliability, Freight Reliability, PHED,<sup>55</sup> and Total Emissions Reduction measures. Where applicable, MPOs establish both 2-year and 4-year targets for Percent Non-SOV Travel and Total Emissions Reduction measures.</p> <p>The MPOs report their established targets to their respective State DOT in a manner that is documented and mutually agreed upon by both parties.<sup>56</sup></p>	
<p><b>As of November 20, 2018</b> (18 months after the effective date of the PM2 rule)<sup>57</sup> [FHWA]</p>				<p><b>FHWA Determination of MAP-21, Section 1106(b) Penalty:</b> Subject to the extension provision in <a href="#">23 CFR 515.15(b)(2)</a>, if FHWA determines that the State DOT has not developed and implemented a state asset management plan that is consistent with the requirements of <a href="#">23 U.S.C. 119</a> and Part 515, or has not established its <a href="#">23 U.S.C. 150(d)</a> performance targets for NHS pavements and bridges, then FHWA will not approve any further projects using National Highway Performance Program funds until the State DOT has complied with those requirements.</p>

<sup>51</sup> [23 U.S.C. 150\(d\)](#)

<sup>52</sup> [23 U.S.C. 134\(h\)\(2\)\(C\)](#) and [23 CFR 490.105\(f\)\(1\)](#)

<sup>53</sup> [23 U.S.C. 134\(h\)\(2\)\(C\)](#) and [23 CFR 490.105\(f\)\(1\)](#)

<sup>54</sup> [23 CFR 490.107\(c\)\(1\)](#)

<sup>55</sup> Establishing 4-year PHED target only for the first Performance Period ([23 CFR 490.105\(f\)\(5\)\(vi\)](#)). Beginning with second Performance Period, applicable MPOs are required to establish both 2-year and 4-year targets for PHED measure ([23 CFR 490.105\(f\)\(5\)\(i\)](#) & (ii)).

<sup>56</sup> [23 CFR 490.107\(c\)\(1\)](#)

<sup>57</sup> [23 CFR 515.15\(b\)\(1\)](#), FHWA may extend this deadline if FHWA determines the State DOT has made a good faith effort to meet the requirements specified in the statute and regulation ([23 CFR 515.15\(b\)\(2\)](#))



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<p><b>First Performance Period Only: Not later than March 27, 2019</b> (GHG measure effective date + State DOT target establishment date (1 year<sup>58</sup>) + 180 days<sup>59</sup>) [MPOs]</p> <p><b>All Subsequent Performance Periods: Not later than State DOT GHG target establishment date + 180 days<sup>60</sup></b> [MPOs]</p>			<p><b>MPOs establish targets:</b> MPOs establish 4-year target for GHG measure not later than 180 days after the date on which the relevant State DOT(s) establishes targets for GHG measure.</p> <p>The MPOs report their established target for GHG measure to their respective State DOT in a manner that is documented and mutually agreed upon by both parties.<sup>61</sup></p>	
<p><b>By April 15, 2019,<sup>62</sup> and annually thereafter</b> [State DOTs]</p>		<p><b>“Full distress and IRI” Interstate System pavement data reported to HPMS:</b> State DOTs report pavement metric and inventory data meeting the requirements in <a href="#">23 CFR 490.309</a> and <a href="#">23 CFR 490.311</a> for the Interstate System to HPMS.</p>		
<p><b>By April 15, 2019</b> [State DOTs]</p>	<p><i>Serious injuries must be determined using the Model Minimum Uniform Crash Criteria (MMUCC) 4<sup>th</sup> Edition definition for “Suspected Serious Injuries (A)”. The FHWA recommends using this definition beginning January 1, 2019, to ensure a consistent data set for the calendar year.</i></p>			

<sup>58</sup> [23 U.S.C. 150\(d\)](#)

<sup>59</sup> [23 U.S.C. 134\(h\)\(2\)\(C\)](#) and [23 CFR 490.105\(f\)\(1\)](#)

<sup>60</sup> [23 U.S.C. 134\(h\)\(2\)\(C\)](#) and [23 CFR 490.105\(f\)\(1\)](#)

<sup>61</sup> [23 CFR 490.107\(c\)\(1\)](#)

<sup>62</sup> [23 CFR 490.311\(c\)\(4\)](#) and [23 CFR 490.311\(d\)\(2\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>On or after May 20, 2019<sup>63</sup></b> [State DOTs]		<b>Updates or amendments to LRSTP and STIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the pavement and bridge condition performance measure requirements. <sup>64</sup>	<b>Updates or amendments to LRSTP and STIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the system reliability, freight, CMAQ measure requirements. <sup>65</sup>	
<b>On or after May 20, 2019<sup>66</sup></b> [MPOs]		<b>Updates or amendments to MTP and TIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the pavement and bridge condition performance measure requirements. <sup>67</sup>	<b>Updates or amendments to MTP and TIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the system reliability, freight, CMAQ measure requirements. <sup>68</sup>	
<b>On June 16, 2019,<sup>69</sup> and annually thereafter</b> [FHWA]		<b>FHWA data extraction of Interstate System pavement data:</b> The FHWA extracts Interstate System pavement data (subject to data requirements in <a href="#">23 CFR 490.309</a> and <a href="#">23 CFR 490.311</a> ) from HPMS to compute measures for the Interstate System every year for the annual determination of minimum Interstate System condition level <sup>70</sup> and biennial determination of significant progress towards achieving targets <sup>71</sup> .  Note: For the first performance period only, FHWA will not make a significant progress determination in 2020 for the 2-year targets for the Interstate pavement condition measure. <sup>72</sup>		

<sup>63</sup> [23 CFR 450.226](#)

<sup>64</sup> 23 CFR Part 490, Subparts [A](#), [C](#) and [D](#)

<sup>65</sup> 23 CFR Part 490, Subparts [A](#), [E](#), [F](#), [G](#) and [H](#)

<sup>66</sup> [23 CFR 450.340](#)

<sup>67</sup> 23 CFR Part 490, Subparts [A](#), [C](#) and [D](#)

<sup>68</sup> 23 CFR Part 490, Subparts [A](#), [E](#), [F](#), [G](#) and [H](#)

<sup>69</sup> [23 CFR 490.317](#)(b) and [23 CFR 490.109](#)(d)(1).

<sup>70</sup> [23 CFR 490.315](#) and [23 CFR 490.317](#)

<sup>71</sup> [23 CFR 490.109](#)

<sup>72</sup> [23 CFR 490.105](#)(e)(7) and [23 CFR 490.109](#)(e)(3)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>Not later than June 30, 2019<sup>73</sup></b> [State DOTs]				<b>State DOTs submit first fully compliant Asset Management Plans</b> - State DOTs submit first State-approved fully compliant asset management plans. The FHWA will use this plan to make the first consistency determination under <a href="#">23 CFR 515.13(b)</a> . The State DOT may choose to submit additional documentation to demonstrate implementation of the asset management plan. The State DOT must submit any additional documentation not less than 30 days prior to the deadline for the FHWA consistency determination. <sup>74</sup> Thus, for the first consistency determination, the State DOT must submit its plan implementation documentation not later than August 1, 2019.
<b>Not later than 90 days<sup>75</sup> after FHWA receipt of Plan Development Processes and Certification Request</b> [FHWA and State DOTs]				<b>FHWA Re-Certification of Asset Management Plan Development Processes</b> - For all updated Plan Development Processes, FHWA makes a process certification decision 90 days <sup>76</sup> after receipt of updated Plan Development Processes. State DOTs have 90 days <sup>77</sup> from receipt of the notice to address any deficiencies identified by FHWA and resubmit. The FHWA may extend the State DOT's 90-day period to cure deficiencies upon request.

<sup>73</sup> [23 CFR 515.11\(a\)\(2\)](#)

<sup>74</sup> [23 CFR 515.13\(b\)\(2\)](#). For consistency determinations after 2019, the deadline for submission of plan implementation documentation is July 1.

<sup>75</sup> [23 CFR 515.13\(a\)](#)

<sup>76</sup> [23 CFR 515.13\(a\)](#)

<sup>77</sup> [23 CFR 515.13\(a\)\(2\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>Not later than August 31, 2019, and not later than July 31 in each year thereafter<sup>78</sup></b> [FHWA and State DOTs]				<b>FHWA Annual Consistency Determinations:</b> FHWA notifies the State DOT of the outcome of its annual consistency determination (whether the State DOT has developed and implemented an asset management plan consistent with <a href="#">23 U.S.C. 119</a> ). If FHWA determines the State DOT has not met the requirements (a “negative consistency determination”), the State DOT has 30 days <sup>79</sup> to address the deficiencies.
<b>On or after September 28, 2019<sup>80</sup></b> [State DOTs]			<b>Updates or amendments to LRSTP and STIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the GHG measure requirements. <sup>81</sup>	
<b>On or after September 28, 2019<sup>82</sup></b> [MPOs]			<b>Updates or amendments to MTP and TIP</b> must be developed according to the performance-based provisions of 23 CFR Part 450 and the GHG measure requirements. <sup>83</sup>	
<b>By September 30, 2019,<sup>84</sup> and annually thereafter</b> [FHWA]		<b>FHWA determination of minimum Interstate System condition level:</b> The FHWA determines the minimum Interstate System condition level and notifies State DOTs.		

<sup>78</sup> [23 CFR 515.13\(b\)](#)

<sup>79</sup> [23 CFR 515.13\(b\)\(3\)](#)

<sup>80</sup> [23 CFR 450.226](#)

<sup>81</sup> 23 CFR Part 490, Subparts [A](#) and [E](#)

<sup>82</sup> [23 CFR 450.340](#)

<sup>83</sup> 23 CFR Part 490, Subparts [A](#) and [E](#)

<sup>84</sup> [23 CFR 490.317\(d\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>Beginning on October 1, 2019, and each fiscal year thereafter</b> <sup>85</sup> [FHWA]				<b>Consistency Determination Penalty Assessment Pursuant to <a href="#">23 U.S.C. 119(e)(5)</a>:</b> If FHWA determines that a State DOT has not developed and implemented an asset management plan consistent with the requirements of <a href="#">23 U.S.C. 119</a> , the maximum Federal share for National Highway Performance Program projects and activities carried out by the State in that fiscal year shall be 65 percent
<b>October 1, 2019, and every 4 years thereafter.</b> [FHWA]			<b>CMAQ measure applicability re-assessment:</b> Determination of which State DOTs and MPOs are no longer subject <sup>86</sup> to CMAQ measure (PHED, Percent Non-SOV Travel, and Total Emissions Reduction measures) requirements for the remainder of the Performance Period	
<b>After January 1, 2020</b> <sup>87</sup> [State DOTs]		<b>First “full distress and IRI” data collection cycle starts for non-Interstate NHS:</b> State DOTs collect IRI, rutting, faulting, cracking percent and inventory data elements for full-extent non-Interstate NHS in accordance with specifications prescribed in <a href="#">23 CFR 490.309</a> and <a href="#">23 CFR 490.311</a> . Biennial data collection frequency for IRI, rutting, faulting, cracking percent and inventory data elements for full-extent non-Interstate NHS is required for all subsequent data collection cycles.		
<b>Expected by March 2020 and annually thereafter</b> <sup>88</sup> [FHWA]	<b>FHWA notifies State DOTs whether they met or made significant progress toward meeting safety performance targets.</b>			

<sup>85</sup> [23 CFR 515.15\(a\)](#)

<sup>86</sup> [23 CFR 490.105\(e\)\(8\)](#), [\(e\)\(9\)](#), [\(f\)\(5\)](#), and [\(f\)\(6\)](#)

<sup>87</sup> [23 CFR 490.309\(a\)](#) and [\(b\)](#)

<sup>88</sup> [23 CFR 490.211\(e\)](#)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>Not later than August 2, 2020, and every 2 years thereafter</b> (60 days before a subsequent State DOT Biennial Performance Report is due) <sup>89</sup> [State DOTs]			<i>If a State DOT elects to change their methodology develop hourly traffic volume estimates or annual percent share of traffic volume by vehicle class for the PHED measure, they report the updated methodology to FHWA.</i>	
<b>On August 16, 2020,<sup>90</sup> and every 2 years thereafter</b> [FHWA]		<b>FHWA data extraction of HPMS data for Non-Interstate NHS pavement measure:</b> The FHWA extracts data from HPMS to compute measures every 2 years for biennial determination of significant progress towards achieving targets <sup>91</sup> .  Note that the data extraction for significant progress determination includes the baseline condition data contained in HPMS of the year in which the Baseline Period Performance Report is due to FHWA.	<b>FHWA data extraction of HPMS data for Travel Time Reliability and Freight reliability measures:</b> The FHWA extracts data from HPMS to compute measures every 2 years for biennial determination of significant progress towards achieving targets. <sup>92</sup>  Note that the data extraction for significant progress determination includes the baseline performance data contained in HPMS of the year in which the Baseline Period Performance Report is due to FHWA.  Also, for the first performance period only, FHWA will not make a significant progress determination in 2020 for the 2-year targets for the non-Interstate NHS Travel Time Reliability measure. <sup>93</sup>	

<sup>89</sup> [23 CFR 490.709\(c\)\(4\)](#) and [23 CFR 490.709\(d\)\(3\)](#)

<sup>90</sup> [23 CFR 490.109\(b\)](#), (c), and (d).

<sup>91</sup> [23 CFR 490.109\(d\)](#)

<sup>92</sup> [23 CFR 490.109\(d\)](#)

<sup>93</sup> [23 CFR 490.105\(e\)\(7\)](#) and [23 CFR 490.109\(e\)\(3\)](#).



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>August 31, 2020, and annually thereafter<sup>94</sup></b> [State DOTs]	<i>Beginning in the 2020 HSIP Annual Report, all serious injuries determined after April 15, 2019, and reported by States in their HSIP Annual Report must meet the definition of "Suspected Serious Injury (A)" as described in the Model Minimum Uniform Crash Criteria, 4<sup>th</sup> Edition.<sup>95</sup></i>			
<b>On October 1<sup>96</sup>, 2020 and every 2 years thereafter</b> [FHWA]			<b>FHWA data extraction of metric data for GHG measure:</b> The FHWA extracts metric data from State Biennial Performance Reports to compute GHG measure every 2 years for biennial determination of significant progress towards achieving targets. <sup>97</sup>  Note that the data extraction for significant progress determination includes the metric data contained in the Baseline Period Performance Report for the baseline performance.	
<b>Not later than October 1, 2020, and every 4 years thereafter<sup>98</sup></b> [State DOTs and MPOs]			<b>Relevant State DOTs submit the MPO CMAQ Performance Plans (as applicable) as an attachment to the State DOT Mid Performance Period Progress Report.<sup>99</sup></b>	

<sup>94</sup> [23 CFR 490.205](#)

<sup>95</sup> [23 CFR 490.207](#)(c)(2)

<sup>96</sup> [23 CFR 490.109](#)(b), (c), and (d).

<sup>97</sup> [23 CFR 490.109](#)(d)

<sup>98</sup> [23 CFR 490.107](#)(b)(2)(ii)(I) and [23 CFR 490.107](#)(c)(3)

<sup>99</sup> [23 CFR 490.105](#)(f)(6)(iii), [23 CFR 490.107](#)(b)(2)(ii)(I), and [23 CFR 490.107](#)(c)(3)



<b>Dates</b> [Responsible Parties]	<b>Safety Measures</b> (PM 1 - 23 CFR Part 490 Subparts <a href="#">A</a> & <a href="#">B</a> and <a href="#">Part 924</a> )	<b>Pavement and Bridge Condition Measures</b> (PM 2 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">C</a> & <a href="#">D</a> )	<b>Performance of NHS, Freight and CMAQ Measures</b> (PM 3 - 23 CFR Part 490 Subparts <a href="#">A</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">G</a> & <a href="#">H</a> )	<b>NHS Asset Management Plan</b> (23 CFR <a href="#">Part 515</a> )
<b>By October 1, 2020, and every 4 years thereafter</b> <sup>100</sup> [State DOTs]		<i>State DOTs report their 2-year (midpoint performance period) progress and adjusted 4-year targets to FHWA in their Mid Performance Period Progress Report.</i>	<i>State DOTs report their 2-year (midpoint performance period) progress and adjusted 4-year targets to FHWA in their Mid Performance Period Progress Report. State DOTs also report metrics<sup>101</sup> for GHG measure in their Mid Performance Period Progress Report.</i>	
<b>Not later than June 15, 2021,<sup>102</sup> and annually thereafter</b> [State DOTs]		<i>“Full distress and IRI” Non-Interstate NHS pavement data reported to HPMS: State DOTs report pavement metric and inventory data meeting the requirements in <a href="#">23 CFR 490.309</a> and <a href="#">23 CFR 490.311</a> for non-Interstate NHS to HPMS by June 15 every year,<sup>103</sup> beginning in CY 2021.</i>		
<b>No later than October 1, 2022, and every 4 years thereafter</b> <sup>104</sup> [State DOTs and MPOs]			<i>Relevant State DOTs submit the MPO CMAQ Performance Plans (as applicable) as an attachment to the State DOT Full Performance Period Progress Report<sup>105</sup></i>	
<b>By October 1, 2022 and every 4 years thereafter</b> <sup>106</sup> [State DOTs]		<i>State DOTs report their 4-year (end of performance period) progress to FHWA in their Full Performance Period Progress Report.</i>	<i>State DOTs report their 4-year (end of performance period) progress to FHWA in their Full Performance Period Progress Report. State DOTs also report metrics<sup>107</sup> for GHG measure in their Full Performance Period Progress Report.</i>	

<sup>100</sup> [23 CFR 490.107\(b\)\(2\)](#)

<sup>101</sup> [23 CFR 490.511\(f\)](#) and [23 CFR 490.107\(b\)\(2\)\(ii\)\(J\)](#)

<sup>102</sup> [23 CFR 490.311\(c\)\(5\)](#) and [23 CFR 490.311\(d\)\(3\)](#)

<sup>103</sup> [HPMS Field Manual](#) – Section 1.5

<sup>104</sup> [23 CFR 490.107\(b\)\(3\)\(ii\)\(H\)](#) and [23 CFR 490.107\(c\)\(3\)](#)

<sup>105</sup> [23 CFR 490.105\(f\)\(6\)\(iii\)](#), [23 CFR 490.107\(b\)\(3\)\(ii\)\(H\)](#) and [23 CFR 490.107\(c\)\(3\)](#)

<sup>106</sup> [23 CFR 490.107\(b\)\(3\)](#)

<sup>107</sup> [23 CFR 490.511\(f\)](#) and [23 CFR 490.107\(b\)\(3\)\(ii\)\(I\)](#)

