
Technical Advisory Committee

Monday, October 19, 2020

Regular Session

Item H3

Approval Recommendation of MPO Targets for Pavement and Bridge Condition Performance Measures

Staff Contact: Andres Gomez, MPO Program Manager

ISSUE

VOTE: MPO Targets for NHS Pavement and Bridge Condition Performance Measures

BACKGROUND

The current and previous federal transportation bills, FAST Act and MAP-21, respectively, included a series of requirements for Transportation Performance Management (TPM). Since the passage of MAP-21, USDOT has worked through the federal rulemaking process to establish a series of performance measures and corresponding target setting requirements. Generally, the performance measures relate to national goals of safety, infrastructure condition, air quality, and transportation system performance.

Final USDOT rules related to TPM established performance measures to assess the condition of pavements and bridges on the National Highway System (NHS). There are four performance measures for pavement condition and two performance measures for bridge condition (see attached TPM fact sheets). State DOTs were required to establish performance targets for these measures by May 20, 2018. MPOs have the option of supporting the statewide targets, or establishing their own regional targets within 180 days of the establishment of state targets. Therefore, all Nebraska MPOs must adopt targets for NHS Pavement and Bridge Condition performance measures by November 17, 2018. After two years there will be a mid-point review, at which point the targets could be adjusted for NDOT and MPOs based on collected data. State DOTs will establish targets every four years.

GIAMPO staff recommends the support of the NDOT NHS Pavement and Bridge Condition performance targets (see attached NDOT's Statewide Performance Measure Targets (PM2)) as the most prudent alternative. The transportation performance management state biennial performance report for performance period 2018-2021 is included. The core reasons for not establishing regional targets include the following:

- The Interstate and Non-Interstate NHS routes in the GIAMPO metropolitan planning area are State NHS routes.
- Statewide, 80.3% of pavements of the Interstate System are in Good condition.
- Statewide, 0.01% of pavements of the Interstate System are in Poor condition.
- Statewide, 58.1% of pavements of the Non-Interstate System are in Good condition.
- Statewide, 2.1% of pavements of the Non-Interstate System are in Poor condition.
- State is the owner of the NHS bridges in the GIAMPO region.
- Statewide, 56.5% of NHS bridges are classified as Good condition.
- Statewide, 1.9% of NHS bridges are classified as Poor condition.

POLICY CONSIDERATIONS/DISCUSSION

With supporting the statewide targets, GIAMPO is agreeing to plan and program projects in a manner that contributes towards the accomplishment of the NDOT NHS Pavement and Bridge Condition performance targets. These targets will ultimately be integrated into the GIAMPO Long Range Transportation Plan and Transportation Improvement Program.

BUDGET CONSIDERATIONS

None.

COMMITTEE ACTION

None.

RECOMMENDATION

Approve to support state targets as the MPO NHS Pavement and Bridge Condition performance targets for the GIAMPO metropolitan planning area.

STAFF CONTACT

Andres Gomez

PAVEMENT PERFORMANCE MEASURES



Final Rulemaking

The Federal Highway Administration (FHWA) published in the *Federal Register* (82 FR 5886) a [final rule](#) establishing performance measures for State Departments of Transportation (DOTs) to use in managing pavement and bridge performance on the National Highway System (NHS). The National Performance Management Measures; Assessing Pavement Condition for the National Highway Performance Program and Bridge Condition for the National Highway Performance Program Final Rule addresses requirements established by the Moving Ahead for Progress in the 21st Century Act (MAP-21) and reflects passage of the Fixing America's Surface Transportation (FAST) Act. The rule is effective **May 20, 2017**.

Performance Measures

- | | |
|---|---|
| ✓ | % of Interstate pavements in Good condition |
| ✓ | % of Interstate pavements in Poor condition |
| ✓ | % of non-Interstate NHS pavements in Good condition |
| ✓ | % of non-Interstate NHS pavements in Poor condition |

About Condition

- **Good condition:** Suggests no major investment is needed.
- **Poor condition:** Suggests major reconstruction investment is needed.

Penalty Provisions

If FHWA determines the State DOT's Interstate pavement condition falls below the minimum level for the most recent year, the State DOT must obligate a portion of National Highway Performance Program (NHPP) and transfer a portion of Surface Transportation Program (STP) funds to address Interstate pavement condition.

Target Setting

State DOTs:

- Must establish targets, regardless of ownership, for the full extent of the Interstate and non-Interstate NHS.
- Must establish statewide 2- and 4-year targets for the non-Interstate NHS and 4-year targets for the Interstate by May 20, 2018, and report by October 1, 2018.
- May adjust targets at the Mid Performance Period Progress Report (October 1, 2020).

Metropolitan Planning Organizations (MPOs):

- Support the relevant State DOT(s) 4-year target or establish their own by 180 days after the State DOT(s) target is established.



U.S. Department of Transportation
Federal Highway Administration

PAVEMENT PERFORMANCE MEASURES



Key Dates

May 20, 2017	Final rule effective date.
January 1, 2018	1st 4-year performance period begins.
May 20, 2018	State DOT targets must be established.
January 1, 2018	State DOTs collect data for Interstate pavements that conform to the final rule (IRI, Rutting, Cracking %, Faulting, and Inventory).
Within 180 days of relevant State DOT(s) target establishment	MPOs must commit to support state target or establish separate quantifiable target.
October 1, 2018	Baseline Performance Period Report for 1 st Performance Period due. State DOTs report 4-year targets for Interstate and 2-year and 4-year targets for non-Interstate NHS; etc.
April 15, 2019, and each April 15 thereafter	State DOTs submit first Interstate data that conform to the final rule.
January 1, 2020	State DOTs collect data for non-Interstate NHS pavements that conform to the final rules.
October 1, 2020	Mid Performance Period Progress Report for the 1st Performance Period due. State DOTs report 2-year condition/performance; progress toward achieving 2-year targets; etc.
June 15, 2021, and each June 15 thereafter	State DOTs submit non-Interstate NHS data that conform to the final rule.
December 31, 2021	1st 4-year performance period ends.
October 1, 2022	Full Performance Period Progress Report for 1 st Performance Period due. State DOTs reports 4-year condition/performance; progress toward achieving 4-year targets, etc. Baseline Performance Period Report for 2 nd Performance Period due. State DOTs report 2-year and 4-year targets for Interstate and non-Interstate NHS; baseline condition; etc.

Visit www.fhwa.dot.gov/tpm/ to learn about training, guidance, and other implementation-related information.



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Final Rulemaking

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Performance Measures

- ✓ % of NHS bridges by deck area classified as in Good condition
- ✓ % of NHS bridges by deck area classified as in Poor condition

Condition-Based Performance Measures

- Measures are based on deck area.
- The classification is based on National Bridge Inventory (NBI) condition ratings for item 58 - Deck, 59 - Superstructure, 60 - Substructure, and 62 - Culvert.
- Condition is determined by the lowest rating of deck, superstructure, substructure, or culvert. If the lowest rating is greater than or equal to 7, the bridge is classified as good; if is less than or equal to 4, the classification is poor. (Bridges rated below 7 but above 4 will be classified as fair; there is no related performance measure.)
- Deck area is computed using NBI item 49 - Structure Length, and 52 - Deck Width or 32 - Approach Roadway Width (for some culverts).

Target Setting

State DOTs:

- Must establish targets for all bridges carrying the NHS, which includes on- and off-ramps connected to the NHS within a State, and bridges carrying the NHS that cross a State border, regardless of ownership.
- Must establish statewide 2- and 4-year targets by May 20, 2018, and report targets by October 1, 2018, in the Baseline Performance Period Report.
- May adjust 4-year targets at the Mid Performance Period Progress Report (October 1, 2020).

Metropolitan Planning Organizations (MPOs):

- Support the relevant State DOT(s) 4-year target or establish their own by 180 days after the State DOT(s) target is established.



BRIDGE

PERFORMANCE MEASURES



Key Dates

May 20, 2017	Final rule effective date.
January 1, 2018	1st 4- year performance period begins.
May 20, 2018	Initial 2- and 4-year targets established.
October 1, 2018	Baseline Performance Period Report for the 1 st Performance Period due. State DOTs report 2-year and 4-year targets; etc.
Within 180 days of relevant State DOT(s) target establishment	MPOs must commit to support State target or establish separate quantifiable target.
October 1, 2020	Mid Performance Period Progress Report for the 1 st Performance Period due. State DOTs report 2-year condition/performance; progress toward achieving 2-year targets; etc.
December 31, 2021	1st 4-year performance period ends.
October 1, 2022	Full Performance Period Progress Report for 1 st performance period due. State DOTs report 4-year condition/performance; progress toward achieving 4-year targets; etc. Baseline report due for 2 nd performance period due. State DOTs report 2- and 4-year targets; baseline condition, etc.

Other Specifics

- State DOT targets should be determined from asset management analyses and procedures and reflect investment strategies that work toward achieving a state of good repair over the life cycle of assets at minimum practicable cost. State DOTs may establish additional measures and targets that reflect asset management objectives.
- The rule applies to bridges carrying the NHS, including bridges on on- and off-ramps connected to the NHS.
- If for 3 consecutive years more than 10.0% of a State DOT's NHS bridges' total deck area is classified as Structurally Deficient, the State DOT must obligate and set aside National Highway Performance Program (NHPP) funds for eligible projects on bridges on the NHS.
- Deck area of all border bridges counts toward both States DOTs' totals.

Visit www.fhwa.dot.gov/tpm/ to learn about training, guidance, and other implementation-related information.



U.S. Department of Transportation
Federal Highway Administration

NDOT's Statewide Performance Measure Targets (PM2)

The Nebraska Department of Transportation (NDOT) recommends the following pavement and bridge condition targets for the state. Pavement and bridge condition performance measures are defined in accordance with the final USDOT rule on Pavement and Bridge Condition Performance Measures, authorized by 23 CFR Part 490.

- At least 50% of pavements of the Interstate System in Good condition.
- No more than 5% of pavements of the Interstate System in Poor condition.
- At least 40% of the Non-Interstate National Highway System (NHS) in Good condition.
- No more than 10% of the Non-Interstate National Highway System in Poor condition.
- No more than 10% of the total deck area of bridges in the state on the National Highway System is located on bridges that have been classified as structurally deficient.
- At least 95% of bridges on the State system and NHS in Good or Fair condition.

This document is exempt under discovery or admission under 23 USC § 409. Data provided by Nebraska Department of Transportation. Information relating to the GIAMPO metropolitan planning area (MPA) was determined by GIAMPO staff.

Transportation Performance Management State Biennial Performance Report for Performance Period 2018-2021

2020

MID PERFORMANCE PERIOD (MPP) PROGRESS REPORT

Nebraska

Report Due: 10/1/2020
Report Status: Submitted
Report Updated On:
Report Exported on 9/28/2020

This document is exported from the Federal Highway Administration's (FHWA)
web-based Performance Management Form (PMF)
of the Policy Information Data Portal (PIDP).

The web-based PMF is the State's official report to FHWA.

State Contact:

Name : Korey Donahoo
Phone number : 4024794619
Email : korey.donahoo@nebraska.gov

Summary of Performance Measures and Targets

Performance Measures	Baseline	2-Year Condition/ Performance	2-Year Target	4-Year Target	4-Year Adjustment
Percentage of Pavements of the Interstate System in Good Condition		80.3%		50.0%	
Percentage of Pavements of the Interstate System in Poor Condition		0.1%		5.0%	
Percentage of Pavements of the Non-Interstate NHS in Good Condition	63.4%	63.0%			
Percentage of Pavements of the Non-Interstate NHS in Good Condition (Full Distress + IRI)		58.1%	40.0%	40.0%	
Percentage of Pavements of the Non-Interstate NHS in Poor Condition	11.5%	12.2%			
Percentage of Pavements of the Non-Interstate NHS in Poor Condition (Full Distress + IRI)		2.1%	10.0%	10.0%	
Percentage of NHS Bridges Classified as in Good Condition	61.0%	56.5%	55.0%	55.0%	
Percentage of NHS Bridges Classified as in Poor Condition	1.9%	1.9%	10.0%	10.0%	
Percent of the Person-Miles Traveled on the Interstate That Are Reliable	98.9%	97.5%	98.9%	98.9%	94.0%
Percent of the Person-Miles Traveled on the Non-Interstate NHS That Are Reliable		91.3%		92.6%	88.0%
Truck Travel Time Reliability (TTTR) Index	1.10	1.15	1.10	1.10	1.25
Total Emission Reductions: PM2.5					
Total Emission Reductions: NOx					
Total Emission Reductions: VOC					
Total Emission Reductions: PM10					
Total Emission Reductions: CO					

Overview

OVERVIEW SECTION 1

Question No	Description	Field Type
O1	Please provide a discussion on the effectiveness of the investment strategies developed and documented in the State asset management plan for the National Highway System (NHS) required under [23 CFR 490.107(b)(2)(ii)(C)].	NDOT's investment strategies emphasizing pavement preservation have been very effective in not only meeting but exceeding performance measure targets as well as maintaining the NHS system in a state of good repair as seen below.
O2	Please use this space to provide any general comments that may assist FHWA in its review of your submission. You can use this space to provide greater context for your targets and current condition/performance, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	

OVERVIEW SECTION 2

Question No	Description	Field Type
O3	Who should FHWA contact with questions?	Korey Donahoo
O4	What is the phone number for this contact? <i>Please provide 10-digit number (area code and phone number) without formatting. (e.g., 1234567890)</i>	4024794619
O5	What is the email address for this contact?	korey.donahoo@nebraska.gov

Pavement

Pavement Performance Overview

Question No	Description	Field Type
P1	Please use this space to provide any general comments that may assist FHWA in its review of this part of the submission. You can use this space to provide greater context for your targets and current condition, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	

Statewide Performance Target for the Percentage of Pavements on the Interstate System in Good Condition

Question No	Description	Field Type
P2	The 2-year statewide percentage of pavements on the Interstate System in Good condition. This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)] <i>For the 2018-2021 Performance Period, this 2-year condition value will be used as the baseline value for this measure per the phase-in of new requirements for this measure. [23 CFR 490.105(e)(7)(iii)]</i>	80.3
P3	The 4-year target for the statewide percentage of pavements on the Interstate System in Good condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	50.0
P4	Does the State DOT wish to adjust the 4-year target for the statewide percentage of pavements on the Interstate System in Good condition? [23 CFR 490.105(e)(6)]	No
P4a	Please provide the adjusted 4-year target for the statewide percentage of pavements on the Interstate System in Good condition. The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)] <i>The adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5. [23 CFR 490.101 (Target definition) and 23 CFR 490.313(f)(2)]</i>	
P4b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of pavements on the Interstate System in Good condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	

Statewide Performance Target for the Percentage of Pavements on the Interstate System in Poor Condition

Question No	Description	Field Type
P5	<p>The 2-year statewide percentage of pavements on the Interstate System in Poor condition. This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</p> <p><i>For the 2018-2021 Performance Period, this 2-year condition value will be used as the baseline value for this measure per the phase-in of new requirements for this measure. [23 CFR 490.105(e)(7)(iii)]</i></p>	0.1
P6	The 4-year target for the statewide percentage of pavements on the Interstate System in Poor condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	5.0
P7	Does the State DOT wish to adjust the 4-year target for the statewide percentage of pavements on the Interstate System in Poor condition? [23 CFR 490.105(e)(6)]	No
P7a	<p>Please provide the adjusted 4-year target for the statewide percentage of pavements on the Interstate System in Poor condition. The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.313(f)(3)]</i></p>	
P7b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of pavements on the Interstate System in Poor condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	

Statewide Performance Target for the Percentage of Pavements on the Non-Interstate NHS in Good Condition.

Question No	Description	Field Type
P8	<p>The baseline statewide percentage of pavements on the Non-Interstate NHS in Good condition. This value is from the 2018 Baseline Performance Period Report, and is the condition derived from the latest data collected through the beginning date of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</p> <p><i>For the first performance period, FHWA calculated this value using IRI only (or PSR values for road sections where speed is less than 40 mph). [23 CFR 490.313(e)]</i></p>	63.4
P9	The 2-year statewide percentage of pavements on the Non-Interstate NHS in Good condition. This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]	63.0

	<i>For the first performance period, FHWA calculated this value using IRI only (or PSR values for road sections where speed is less than 40 mph). [23 CFR 490.313(e)]</i>	
P10	<p>If the State DOT reported its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition based on "Full Distress + IRI" data in the 2018 Baseline Performance Period Report, FHWA has calculated an actual condition level using "Full Distress + IRI" data. [23 CFR 490.313 (c) and (d)]</p> <p><i>When a State DOT reported the 2-year target based on "Full Distress + IRI" data, FHWA will use this value to determine whether the actual condition level is equal to or better than the established 2-year target as part of the 2-year significant progress determination. [23 CFR 490.109(e)(2)(ii)]</i></p>	58.1
P11	The 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	40.0
P12	<p>Please provide a discussion of the progress made toward achieving the 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition. At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year condition with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</p> <p><i>For State DOTs that established a 2-year target using IRI only, the baseline value (P17), actual condition calculated with IRI only (P18), and the 2-year target (P20) all use the same metrics and can be compared to each other.</i></p> <p><i>State DOTs that established a 2-year target using "Full Distress + IRI" will see an actual condition value in both P18 and P19. These values must be used correctly in order to provide a meaningful discussion of progress. [23 CFR 490.107(b)(2)(ii)(B)]</i></p> <p><i>-The actual condition calculated with IRI only (P18) is ONLY comparable to the baseline value calculated with IRI only (P17).</i></p> <p><i>-The actual condition calculated with "Full Distress + IRI" (P19) is ONLY comparable to the State DOT's 2-year target established based on "Full distress + IRI" (P20).</i></p>	<p>NDOT's 2-year target using full distress + IRI was achieved and exceeded. The initial target was set based on historical condition data and projected funding. The target was initially set somewhat conservatively due to limited data. Due to a change in how cracking is measured (previously a cracking index vs. wheel path cracking) historical cracking data is limited to two years. As additional data is obtained to establish a reliable trend, the target will be re-evaluated. In addition, NDOT is currently experiencing unusual financial instability due to impacts of historic flooding in 2019, reduced revenues resulting from the Covid 19 Epidemic, and significant construction inflation pricing. Projected funding levels are expected to result in a decrease in system performance. Given limited data and financial uncertainty, NDOT chose to keep the same target.</p>
P13	The 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	40.0
P14	Does the State DOT wish to adjust the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition? [23 CFR 490.105(e)(6)]	No

P14a	<p>Please provide the adjusted 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition. The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5. [23 CFR 490.101 (Target definition) and 23 CFR 490.313(f)(4)]</i></p>	
P14b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	
P15	Please provide a summary of prior accomplishments and planned activities that will be conducted during the remainder of the performance period to make significant progress toward achievement of the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition. [23 CFR 490.107(b)(2)(ii)(F)]	NDOT's 2-year target using full distress + IRI was achieved and exceeded. NDOT will continue to employ the investment strategies emphasizing pavement preservation in accordance with the approved Transportation Asset Management Plan to meet performance targets, maintain the system in a state of good repair, and make the most of scarce taxpayer dollars.
P16	Are there any extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition? [23 CFR 490.107(b)(2)(ii)(G)]	No
P16a	Please select the extenuating circumstance(s) that apply. [23 CFR 490.109(e)(5)]	
P16b	Please explain the extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Good condition and quantify the impacts that resulted from these circumstances. [23 CFR 490.107(b)(2)(ii)(G)]	

Statewide Performance Target for the Percentage of Pavements on the Non-Interstate NHS in Poor Condition.

Question No	Description	Field Type
P17	<p>The baseline statewide percentage of pavements on the Non-Interstate NHS in Poor condition. This value is from the 2018 Baseline Performance Period Report, and is the condition derived from the latest data collected through the beginning date of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</p> <p><i>For the first performance period, FHWA calculated this value</i></p>	11.5

	<i>using IRI only (or PSR values for road sections where speed is less than 40 mph). [23 CFR 490.313(e)]</i>	
P18	<p>The 2-year statewide percentage of pavements on the Non-Interstate NHS in Poor condition. This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</p> <p><i>For the first performance period, FHWA calculated this value using IRI only (or PSR values for road sections where speed is less than 40 mph). [23 CFR 490.313(e)]</i></p>	12.2
P19	<p>If the State DOT reported its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition based on "Full Distress + IRI" data in the 2018 Baseline Performance Period Report, FHWA has calculated an actual condition level using "Full Distress + IRI" data. [23 CFR 490.313 (c) and (d)]</p> <p><i>When a State DOT reported the 2-year target based on "Full Distress + IRI" data, FHWA will use this value to determine whether the actual condition level is equal to or better than the established 2-year target as part of the 2-year significant progress determination. [23 CFR 490.109(e)(2)(ii)]</i></p>	2.1
P20	<p>The 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]</p>	10.0
P21	<p>Please provide a discussion of the progress made toward achieving the 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition. At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year condition with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</p> <p><i>For State DOTs that established a 2-year target using IRI only, the baseline value (P17), actual condition calculated with IRI only (P18), and the 2-year target (P20) all use the same metrics and can be compared to each other.</i></p> <p><i>State DOTs that established a 2-year target using "Full Distress + IRI" will see an actual condition value in both P18 and P19. These values must be used correctly in order to provide a meaningful discussion of progress. [23 CFR 490.107(b)(2)(ii)(B)]</i></p> <p><i>-The actual condition calculated with IRI only (P18) is ONLY comparable to the baseline value calculated with IRI only (P17).</i></p> <p><i>-The actual condition calculated with "Full Distress + IRI" (P19) is ONLY comparable to the State DOT's 2-year target established based on "Full distress + IRI" (P20).</i></p>	<p>NDOT's 2-year target using full distress + IRI was achieved. The initial target was set based on historical condition data and projected funding. The target was initially set somewhat conservatively due to limited data. Due to a change in how cracking is measured (previously a cracking index vs. wheel path cracking) historical cracking data is limited to two years. As additional data is obtained to establish a reliable trend, the target will be re-evaluated. In addition, NDOT is currently experiencing unusual financial instability due to impacts of historic flooding in 2019, reduced revenues resulting from the Covid 19 Epidemic, and significant construction inflation pricing. Projected funding levels are expected to result in a decrease in system performance. Given limited data and financial uncertainty, NDOT chose to keep the same target.</p>
P22	<p>The 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]</p>	10.0

P23	Does the State DOT wish to adjust the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition? [23 CFR 490.105(e)(6)]	No
P23a	<p>Please provide the adjusted 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition. The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.313(f)(5)]</i></p>	
P23b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	
P24	Please provide a summary of prior accomplishments and planned activities that will be conducted during the remainder of the performance period to make significant progress toward achievement of the 4-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition. [23 CFR 490.107(b)(2)(ii)(F)]	NDOT's 2-year target using full distress + IRI was achieved. NDOT will continue to employ the investment strategies emphasizing pavement preservation in accordance with the approved Transportation Asset Management Plan to meet performance targets, maintain the system in a state of good repair, and make the most of scarce taxpayer dollars.
P25	Are there any extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition for the 2018-2021 Performance Period? [23 CFR 490.107(b)(2)(ii)(G)]	No
P25a	Please select the extenuating circumstance(s) that apply. [23 CFR 490.109(e)(5)]	
P25b	Please explain the extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of pavements on the Non-Interstate NHS in Poor condition and quantify the impacts that resulted from these circumstances. [23 CFR 490.107(b)(2)(ii)(G)]	

Bridge

Bridge Performance Overview

Question No	Description	Field Type
B1	Please use this space to provide any general comments that may assist FHWA in its review of this part of the submission. You can use this space to provide greater context for your targets and current condition, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	Targets for bridge conditions have been met. No change to performance targets is proposed for the next review period.

Statewide Performance Target for Bridges on the NHS Classified as in Good Condition

Question No	Description	Field Type
B2	The baseline statewide percentage of deck area of bridges on the NHS classified as in Good condition. <i>This value is from the 2018 Baseline Performance Period Report, and is the condition derived from the latest data collected through the beginning date of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i>	61.0
B3	The 2-year statewide percentage of deck area of bridges on the NHS classified as in Good condition. <i>This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</i>	56.5
B4	The 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	55.0
B5	Please provide a discussion of the progress made toward achieving the 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition. <i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year condition achieved (based on data contained within the National Bridge Inventory as of June 15, 2020, and made available by FHWA) with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i>	Combined State and Local system NHS bridges are currently at 57.0% Good condition. It is anticipated that some large bridges could impact this measure if deck transitions from 7 to 6 in the next inspection cycle.
B6	The 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	55.0
B7	Does the State DOT wish to adjust the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition? [23 CFR 490.105(e)(6)]	No

B7a	<p>Please provide the adjusted 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition.</p> <p><i>The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.409(c)(1)]</i></p>	
B7b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	
B8	Please provide a summary of prior accomplishments and planned activities that will be conducted during the remainder of the performance period to make significant progress toward achievement of the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition. [23 CFR 490.107(b)(2)(ii)(F)]	The scheduled bridge construction program has been delivered as anticipated with an emphasis on strategies that slow deterioration and minimize future costs.
B9	Are there any extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition for the 2018-2021 Performance Period? [23 CFR 490.107(b)(2)(ii)(G)]	No
B9a	Please select the extenuating circumstance(s) that apply. [23 CFR 490.109(e)(5)]	
B9b	Please explain the extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Good condition and quantify the impacts that resulted from these circumstances. [23 CFR 490.107(b)(2)(ii)(G)]	

Statewide Performance Target for Bridges on the NHS Classified as in Poor Condition

Question No	Description	Field Type
B10	<p>The baseline statewide percentage of deck area of bridges on the NHS classified as in Poor condition.</p> <p><i>This value is from the 2018 Baseline Performance Period Report, and is the condition derived from the latest data collected through the beginning date of the performance</i></p>	1.9

	<i>period. [23 CFR 490.107(b)(1)(ii)(B)]</i>	
B11	The 2-year statewide percentage of deck area of bridges on the NHS classified as in Poor condition. <i>This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</i>	1.9
B12	The 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	10.0
B13	Please provide a discussion of the progress made toward achieving the 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition. <i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year condition achieved (based on data contained within the National Bridge Inventory as of June 15, 2020, and made available by FHWA) with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i>	Performance Targets for percent Poor on the NHS have been met.
B14	The 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	10.0
B15	Does the State DOT wish to adjust the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition? [23 CFR 490.105(e)(6)]	No
B15a	Please provide the adjusted 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition. <i>The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i> <i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.409(c)(2)]</i>	
B15b	Please provide the basis for adjustment of the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	
B16	Please provide a summary of prior accomplishments and planned activities that will be conducted during the remainder	The scheduled bridge construction program has been delivered as

	of the performance period to make significant progress toward achievement of the 4-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition. [23 CFR 490.107(b)(2)(ii)(F)]	anticipated with an emphasis on strategies that slow deterioration and minimize future costs.
B17	Are there any extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition for the 2018-2021 Performance Period? [23 CFR 490.107(b)(2)(ii)(G)]	No
B17a	Please select the extenuating circumstance(s) that apply. [23 CFR 490.109(e)(5)]	
B17b	Please explain the extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percentage of deck area of bridges on the NHS classified as in Poor condition and quantify the impacts that resulted from these circumstances. [23 CFR 490.107(b)(2)(ii)(G)]	

Reliability

Travel Time Reliability Performance Overview

Question No	Description	Field Type
R1	Please use this space to provide any general comments that may assist FHWA in its review of this part of the submission. You can use this space to provide greater context for your targets and current performance, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	

Statewide Performance Target for the Percent of the Person-Miles Traveled on the Interstate That Are Reliable

Question No	Description	Field Type
R2	The baseline statewide percent of the person-miles traveled on the Interstate that are reliable. <i>This value is from the 2018 Baseline Performance Period Report, and is the condition derived from the latest data collected through the beginning date of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i>	98.9
R3	The 2-year statewide percent of the person-miles traveled on the Interstate that are reliable. <i>This value is the actual 2-year condition derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</i>	97.5
R4	The 2-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	98.9
R5	Please provide a discussion of the progress made toward achieving the 2-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable. <i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i>	Nebraska's 2-year performance was 97.5 compared to a target of 98.9. The target of 98.9 was based on performance in 2017 alone, as a trendline had not yet been established when the target was set. The 2 year performance of 97.5 shows strong reliability while not achieving the target. The nominal difference can be explained by traffic congestion variability, variable weather impacts, etc. Nebraska has managed to maintain its strong reliability rate through existing high levels of performance and scheduled roadway improvements.
R6	The 4-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	98.9

R7	Does the State DOT wish to adjust the 4-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable? [23 CFR 490.105(e)(6)]	Yes
R7a	<p>Please provide the adjusted 4-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable.</p> <p><i>The adjusted target should reflect expected condition by the end of Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.513(b)]</i></p>	94.0
R7b	Please provide the basis for adjustment of the 4-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	Nebraska's adjustment to 94.0 is based on trend analysis of performance in 2017-2019. The 2017 performance was 98.9 and was utilized to set the baseline since NDOT had no previous reliability data from which to draw a trend. The 2018 performance was also 98.9 before dropping to 97.4 in 2019. This drop suggests a slight negative trend in performance, though existing high levels of performance and planned improvements as part of NDOT's ongoing project selection process will enable NDOT to maintain strong performance levels. A projection of 94.0 is consistent with this trendline while still setting a goal of strong reliability.
R8	Please provide a summary of prior accomplishments and planned activities that will be conducted during the remainder of the performance period to make significant progress toward achievement of the 4-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable. [23 CFR 490.107(b)(2)(ii)(F)]	NDOT continues to include reliability performance in its design and project selection processes and is exploring options for investing in intermodal sites, which could result in reduced freight congestion.
R9	Are there any extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide percent of the person-miles traveled on the Interstate that are reliable for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(G)]	No
R9a	Please select the extenuating circumstance(s) that apply. [23 CFR 490.109(e)(5)]	
R9b	Please explain the extenuating circumstance(s) beyond the State DOT's control that prevented it from making significant progress toward achieving its 2-year target for the statewide	

	percent of the person-miles traveled on the Interstate that are reliable and quantify the impacts that resulted from these circumstances. [23 CFR 490.107(b)(2)(ii)(G)]	
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Statewide Performance Target for the Percent of the Person-Miles Traveled on the Non-Interstate NHS That Are Reliable

Question No	Description	Field Type
R10	<p>The 2-year statewide percent of the person-miles traveled on the non-Interstate NHS that are reliable.</p> <p><i>This value is the actual 2-year performance derived from the latest data collected through the midpoint of the performance period. [23 CFR 490.107(b)(2)(ii)(A)]</i></p> <p><i>For the 2018-2021 Performance Period, this 2-year performance value will be used as the baseline value for this measure per the phase-in of new requirements for this measure. [23 CFR 490.105(e)(7)(iii)]</i></p>	91.3
R11	The 4-year target for the statewide percent of the person-miles traveled on the non-Interstate NHS that are reliable for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A)]	92.6
R12	Does the State DOT wish to adjust the 4-year target for the statewide percent of the person-miles traveled on the non-Interstate NHS that are reliable? [23 CFR 490.105(e)(6)]	Yes
R12a	<p>Please provide the adjusted 4-year target for the statewide percent of the person-miles traveled on the non-Interstate NHS that are reliable.</p> <p><i>The adjusted target should reflect expected performance by the end of the Calendar Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to the nearest tenth of a percent. For example, enter 86.5% as 86.5 [23 CFR 490.101 (Target definition) and 23 CFR 490.513(c)]</i></p>	88.0
R12b	Please provide the basis for adjustment of the 4-year target for the statewide percent of the person-miles traveled on the non-Interstate NHS that are reliable and describe how the adjusted target supports expectations documented in longer range plans, such as the State asset management plan and the long-range statewide transportation plan. [23 CFR 490.107(b)(2)(ii)(E)]	Nebraska's adjustment to 88.0 is based on trend analysis of performance in 2017-2019. The 2017 performance was 92.6, 2018 was 92.2, and 2019 was 91.3. This trend suggests a slight decline in performance, though existing high levels of performance and planned improvements as part of asset management and capital improvement projects will enable NDOT to maintain strong performance levels. A projection of 88.0 is consistent with this trendline while still setting a goal of strong reliability.

Freight

Freight Reliability (Movement) Performance Overview

Question No	Description	Field Type
F1	Please use this space to provide any general comments that may assist FHWA in its review of this part of the submission. You can use this space to provide greater context for your targets and current performance, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	
F2	<p>Please discuss progress of the State DOT's efforts in addressing congestion at truck freight bottlenecks within the State (described in § 490.107(b)(1)(ii)(E)) through comprehensive freight improvement efforts of State Freight Plan or MPO freight plans; the Statewide Transportation Improvement Program and Transportation Improvement Program; regional or corridor level efforts; other related planning efforts; and operational and capital activities targeted to improve freight movement on the Interstate System.</p> <p><i>If the State has prepared a State Freight Plan under 49 U.S.C. 70202, within the previous 2 years, then it may serve as the basis for addressing congestion at truck freight bottlenecks. If the State Freight Plan has not been updated since the previous State Biennial Performance Report, then an updated analysis of congestion at truck freight bottlenecks must be completed. [23 CFR 490.107(b)(2)(ii)(D)]</i></p> <p><i>Please upload related document(s) in the "Attachment" tab.</i></p>	<p>In 2017, the NDOT finalized its first state freight plan. At that time, certain aspects of the freight plan highlighted the opportunity to mitigate freight bottlenecks and limit truck congestion on the state highway system. In addition, the mitigation of bottlenecks was identified by freight stakeholders as a priority for NDOT and its freight project evaluation criteria. Subsequently, the NDOT identified and reported a variety of bottlenecks to the FHWA reporting portal in 2018, based on 1 years' worth of data. Subsequently, the NDOT utilized the data from 2017 to identify a variety of bottlenecks which were provided via attachment to the FHWA reporting portal in 2018.</p> <p>Beyond this, bottlenecks were one of many "needs and opportunities" identified and prioritized through the planning process. Other opportunities included, "Support Freight Related Development", "Prepare for Future Growth", and "Preserve the Highway Condition", to name a few. Based on these things, the State Freight Plan's associated Freight Investment Plan was developed to address these high priority opportunities. This investment plan includes projects along I-80, which is a prominent freight corridor in Nebraska and is listed as part of the National Freight Network. . These projects are large reconstruction projects that maintain the existing asset and ensure continued freight flows across the country.</p> <p>Since the reach of the freight investment plan was limited to I-80,</p>

		<p>the NDOT routinely assesses whether bottlenecks exist by reviewing travel times and truck travel reliability performance data. These reviews include a high-level review of the State (as a whole) and its MPOs. For example, the state's largest MPO, which encompasses the Omaha metropolitan area, had a TTTR of 1.37 in 2019. As a state, TTTR was 1.15 in 2019. In either case, the TTTR performance was still well below 1.5, which is considered to be the national threshold for reliable truck travel.</p> <p>With this in mind, the NDOT has revised its definition of a bottleneck to reflect the national threshold. This change is based on a comparison of Nebraska's reliability to performance in other states. As a result, this has caused the NDOT to conclude there are no bottlenecks in the state. Despite this, the NDOT will continue to monitor performance data for bottlenecks. In addition, this definition of bottlenecks will be revisited with stakeholders as part of the 2022 update of the Nebraska State Freight Plan and full Biennial Performance Report.</p>
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Peak Hour Excess Delay (PHED)

Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita Performance Overview

Question No	Description	Field Type
D1	Please use this space to provide any general comments that may assist FHWA in its review of this part of the submission. You can use this space to provide greater context for your targets and current performance, provide additional background detail or clarification, note any assumptions, or discuss complications. This text may be shared verbatim online. (Optional)	
D2	The total number of applicable UZA(s) required to establish targets and report progress for the Traffic Congestion Measures in your State are:	

Question No	Description	Field Type
E11	<p>The baseline emissions reductions (total daily kilograms) of PM2.5.</p> <p><i>This value is from the 2018 Baseline Performance Period Report and is the performance derived from the latest data collected through the cumulative statewide estimated emissions reductions (total daily kilograms) for the previous 4 Federal Fiscal Years before the start of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i></p> <p><i>This value is carried over from the 2018 Baseline Performance Period Report.</i></p>	
E12	<p>Please provide the current estimated emissions reductions (total daily kilograms) of PM2.5. [23 CFR 490.107(b)(2)(ii)(A) and 23 CFR 490.107(c)(3)(iii)(B)]</p> <p><i>The current data for the performance period must include the cumulative reductions in emissions (total daily kilograms) over the Federal Fiscal Years 2018 and 2019.</i></p> <p><i>The data needed to calculate the measure shall come from the CMAQ Public Access System. [23 CFR 490.809(a) and 23 CFR 490(b)(2).]</i></p> <p><i>The data must be reported to the nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p> <p><i>FHWA provided the prepopulated data from the CMAQ Public Access System. If the DOT feels that a different value is appropriate due to an error, please contact the FHWA Division Office in your State.</i></p>	
E13	<p>The 2-year target for cumulative emissions reduction (total daily kilograms) of PM2.5 for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]</p>	
E14	<p>Please provide a discussion of the progress made toward achieving the 2-year target for cumulative emissions reduction (total daily kilograms) of PM2.5.</p> <p><i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i></p>	
E15	<p>The 4-year target for cumulative emissions reduction (total daily kilograms) of PM2.5 established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]</p>	
E16	<p>Does the State DOT wish to adjust the 4-year target for cumulative emissions reduction (total daily kilograms) of PM2.5? [23 CFR 490.105(e)(6)]</p>	

E16a	<p>Please provide the adjusted 4-year target for cumulative emissions reduction (total daily kilograms) of PM2.5. The adjusted target should reflect expected performance by the end of Federal Fiscal Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</p> <p><i>This adjusted target must be reported to nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p>	
E16b	<p>Please provide the basis for adjustments of the 4-year target for cumulative emissions reduction (total daily kilograms) of PM2.5 established for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(E) and 23 CFR 490.107(c)(3)(ii)(B)]</p>	

Statewide Total Emission Reductions NOx Target #2

Question No	Description	Field Type
E17	<p>The baseline emissions reductions (total daily kilograms) of NOx.</p> <p><i>This value is from the 2018 Baseline Performance Period Report and is the performance derived from the latest data collected through the cumulative statewide estimated emissions reductions (total daily kilograms) for the previous 4 Federal Fiscal Years before the start of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i></p>	
E18	<p>Please provide the current estimated emissions reductions (total daily kilograms) of NOx. [23 CFR 490.107(b)(2)(ii)(A) and 23 CFR 490.107(c)(3)(iii)(B)]</p> <p><i>The current data for the performance period must include the cumulative reductions in emissions (total daily kilograms) over the Federal Fiscal Years 2018 and 2019.</i></p> <p><i>The data needed to calculate the measure shall come from the CMAQ Public Access System. [23 CFR 490.809(a) and 23 CFR 490(b)(2).]</i></p> <p><i>The data must be reported to the nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p> <p><i>FHWA provided the prepopulated data from the CMAQ Public Access System. If the DOT feels that a different value is appropriate due to an error, please contact the FHWA Division Office in your State.</i></p>	
E19	<p>The 2-year target for cumulative emissions reduction (total daily kilograms) of NOx for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]</p>	
E20	<p>Please provide a discussion of the progress made toward achieving the 2-year target for cumulative emissions reduction (total daily kilograms) of NOx. At a minimum, this discussion should address overall progress as of the</p>	

	midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]	
E21	The 4-year target for cumulative emissions reduction (total daily kilograms) of NOx established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E22	Does the State DOT wish to adjust the 4-year target for cumulative emissions reduction (total daily kilograms) of NOx? [23 CFR 490.105(e)(6)]	
E22a	<p>Please provide the adjusted 4-year target for cumulative emissions reduction (total daily kilograms) of NOx.</p> <p><i>The adjusted target should reflect expected performance by the end of Federal Fiscal Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p>	
E22b	Please provide the basis for adjustments of the 4-year target for cumulative emissions reduction (total daily kilograms) of NOx established for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(E) and 23 CFR 490.107(c)(3)(ii)(B)].	

Statewide Total Emission Reductions VOC Target #3

Question No	Description	Field Type
E23	<p>The baseline emissions reductions (total daily kilograms) of VOC.</p> <p><i>This value is from the 2018 Baseline Performance Period Report and is the performance derived from the latest data collected through the cumulative statewide estimated emissions reductions (total daily kilograms) for the previous 4 Federal Fiscal Years before the start of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i></p>	
E24	<p>Please provide the current estimated emissions reductions (total daily kilograms) of VOC. [23 CFR 490.107(b)(2)(ii)(A) and 23 CFR 490.107(c)(3)(iii)(B)]</p> <p><i>The current data for the performance period must include the cumulative reductions in emissions (total daily kilograms) over the Federal Fiscal Years 2018 and 2019.</i></p> <p><i>The data needed to calculate the measure shall come from the CMAQ Public Access System. [23 CFR 490.809(a) and 23 CFR 490(b)(2).</i></p> <p><i>The data must be reported to the nearest one</i></p>	

	<p><i>thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p> <p><i>FHWA provided the prepopulated data from the CMAQ Public Access System. If the DOT feels that a different value is appropriate due to an error, please contact the FHWA Division Office in your State.</i></p>	
E25	The 2-year target for cumulative emissions reduction (total daily kilograms) of VOC for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E26	<p>Please provide a discussion of the progress made toward achieving the 2-year target for cumulative emissions reduction (total daily kilograms) of VOC.</p> <p><i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i></p>	
E27	The 4-year target for cumulative emissions reduction (total daily kilograms) of VOC established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E28	Does the State DOT wish to adjust the 4-year target for cumulative emissions reduction (total daily kilograms) of VOC? [23 CFR 490.105(e)(6)]	
E28a	<p>Please provide the adjusted 4-year target for cumulative emissions reduction (total daily kilograms) of VOC.</p> <p><i>The adjusted target should reflect expected performance by the end of Federal Fiscal Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p>	
E28b	Please provide the basis for adjustments of the 4-year target for cumulative emissions reduction (total daily kilograms) of VOC established for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(E) and [23 CFR 490.107(c)(3)(ii)(B)].	

Statewide Total Emission Reductions PM10 Target #4

Question No	Description	Field Type
E29	The baseline emissions reductions (total daily kilograms) of PM10.	

	<i>This value is from the 2018 Baseline Performance Period Report and is the performance derived from the latest data collected through the cumulative statewide estimated emissions reductions (total daily kilograms) for the previous 4 Federal Fiscal Years before the start of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i>	
E30	<p>Please provide the current estimated emissions reductions (total daily kilograms) of PM10. [23 CFR 490.107(b)(2)(ii)(A) and 23 CFR 490.107(c)(3)(iii)(B)]</p> <p><i>The current data for the performance period must include the cumulative reductions in emissions (total daily kilograms) over the Federal Fiscal Years 2018 and 2019.</i></p> <p><i>The data needed to calculate the measure shall come from the CMAQ Public Access System. [23 CFR 490.809(a) and 23 CFR 490(b)(2).]</i></p> <p><i>The data must be reported to the nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p> <p><i>FHWA provided the prepopulated data from the CMAQ Public Access System. If the DOT feels that a different value is appropriate due to an error, please contact the FHWA Division Office in your State.</i></p>	
E31	The 2-year target for cumulative emissions reduction (total daily kilograms) of PM10 for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E32	<p>Please provide a discussion of the progress made toward achieving the 2-year target for cumulative emissions reduction (total daily kilograms) of PM10.</p> <p><i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i></p>	
E33	The 4-year target for cumulative emissions reduction (total daily kilograms) of PM10 established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E34	Does the State DOT wish to adjust the 4-year target for cumulative emissions reduction (total daily kilograms) of PM10? [23 CFR 490.105(e)(6)]	
E34a	<p>Please provide the adjusted 4-year target for cumulative emissions reduction (total daily kilograms) of PM10.</p> <p><i>The adjusted target should reflect expected performance by the end of Federal Fiscal Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p>	

	<i>This adjusted target must be reported to nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i>	
E34b	Please provide the basis for adjustments of the 4-year target for cumulative emissions reduction (total daily kilograms) of PM10 established for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(E) and 23 CFR 490.107(c)(3)(ii)(B)].	

Statewide Total Emission Reductions CO Target #5

Question No	Description	Field Type
E35	<p>The baseline emissions reductions (total daily kilograms) of CO.</p> <p><i>This value is from the 2018 Baseline Performance Period Report and is the performance derived from the latest data collected through the cumulative statewide estimated emissions reductions (total daily kilograms) for the previous 4 Federal Fiscal Years before the start of the performance period. [23 CFR 490.107(b)(1)(ii)(B)]</i></p>	
E36	<p>Please provide the current estimated emissions reductions (total daily kilograms) of CO. [23 CFR 490.107(b)(2)(ii)(A) and 23 CFR 490.107(c)(3)(iii)(B)]</p> <p><i>The current data for the performance period must include the cumulative reductions in emissions (total daily kilograms) over the Federal Fiscal Years 2018 and 2019.</i></p> <p><i>The data needed to calculate the measure shall come from the CMAQ Public Access System. [23 CFR 490.809(a) and 23 CFR 490(b)(2).]</i></p> <p><i>The data must be reported to the nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p> <p><i>FHWA provided the prepopulated data from the CMAQ Public Access System. If the DOT feels that a different value is appropriate due to an error, please contact the FHWA Division Office in your State.</i></p>	
E37	<p>The 2-year target for cumulative emissions reduction (total daily kilograms) of CO for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]</p>	
E38	<p>Please provide a discussion of the progress made toward achieving the 2-year target for cumulative emissions reduction (total daily kilograms) of CO.</p> <p><i>At a minimum, this discussion should address overall progress as of the midpoint of the performance period, and shall include a comparison of the actual 2-year performance with the 2-year target and any reasons for differences in the actual and target values. [23 CFR 490.107(b)(2)(ii)(B)]</i></p>	

	(total daily kilograms) of CO established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E39	The 4-year target for cumulative emissions reduction (total daily kilograms) of CO established for the 2018-2021 Performance Period that was reported in the 2018 Baseline Performance Period Report. [23 CFR 490.107(b)(1)(ii)(A) and 23 CFR 490.107(c)(3)(ii)(B)]	
E40	Does the State DOT wish to adjust the 4-year target for cumulative emissions reduction (total daily kilograms) of CO? [23 CFR 490.105(e)(6)]	
E40a	<p>Please provide the adjusted 4-year target for cumulative emissions reduction (total daily kilograms) of CO.</p> <p><i>The adjusted target should reflect expected performance by the end of Federal Fiscal Year 2021. This adjustment is only permitted in the MPP Progress Report. [23 CFR 490.105(e)(6) and 23 CFR 490.107(b)(2)(ii)(E)]</i></p> <p><i>This adjusted target must be reported to nearest one thousandths. For example, enter 86.512. [23 CFR 490.101 (Target definition) and 23 CFR 490.811(b)]</i></p>	
E40b	Please provide the basis for adjustments of the 4-year target for cumulative emissions reduction (total daily kilograms) of CO established for the 2018-2021 Performance Period. [23 CFR 490.107(b)(2)(ii)(E) and 23 CFR 490.107(c)(3)(ii)(B)].	

Attachments

S.No	Section	Attachment Detail
		Filename: Notes: Attachment Url:

There are no attachments.