

9. PAVEMENT AND BRIDGE PERFORMANCE MEASURES

BACKGROUND

The federal laws Fixing America’s Surface Transportation Act and the Infrastructure Investment and Jobs Act require a performance-based process to monitor the conditions of pavements and bridges of the National Highway System, set performance targets, and report on progress. H-GAC is responsible for setting pavement and bridge targets for the eight-county region. Measuring and tracking the performance of the region’s transportation system is an approach to evaluate the effectiveness of transportation investments and to track progress toward achieving goals. Monitoring the performance of these important assets fulfills one of the five goals of the Regional Transportation Plan, to Achieve and Maintain a State of Good Repair. Additionally, ensuring a State of Good Repair for pavements and bridges is critical to safety, the movement of goods and people, as well as economic development.

CURRENT SITUATION

H-GAC has the responsibility of reporting and setting regional targets for pavement and bridges on the National Highway System. Two years ago, the methodology for setting 2024 targets was based on a 4-year moving average, and the 2026 targets were held flat. Staff has conducted data analysis on pavement conditions based on ride quality, and bridge conditions from assessment scores of the National Bridge Inventory. To ensure a comprehensive evaluation, staff is collaborating with the Texas Department of Transportation (TxDOT) and local governments for the data review and analysis.

As part of our progress monitoring efforts, staff will be reporting on the progress made towards achieving the 2024 pavement and bridge targets. Half of the pavement targets and all of the bridge targets were achieved. There are no penalties if the targets are not met. Moreover, staff will seek input from committee members for possible adjustments to the 2026 targets.

The 2024 and 2026 targets, the actual conditions, target achievements, the delta between the 2024 targets and actual conditions are shown in the following tables.

PAVEMENT		Interstate				Non-Interstate			
Condition	Desired Trend	24 & 26 Targets	24 Actuals	24 Target Met?	Delta Percentage Points	24 & 26 Targets	24 Actuals	24 Target Met?	Delta Percentage Points
Good	↑	45.7%	43.6%	No	2.1	34.7%	35.5%	✓	0.8
Fair	↓	54.2%	56.3%	No	2.1	62.1%	60.1%	✓	2.0
Poor	↓	0.1%	0.1%	✓	0	3.2%	4.4%	No	1.2

BRIDGES					
Condition	Desired Trend	24 & 26 Targets	24 Actuals	24 Targets Met?	Delta Percentage Points
Good	↑	49.9%	51.9%	✓	2.0
Fair	↓	48.8%	47.7%	✓	1.1
Poor	↓	1.3%	0.4%	✓	0.9

ACTION REQUESTED

Information only.