



DELDOT BRIDGES

Description:
 A NBI (National Bridge Inventory) bridge is any bridge carrying vehicular traffic on a public roadway with a total length > 20'. State bridges are comprised of any DelDOT-owned bridge with a total length < 20' including pedestrian bridges regardless of length, and any structure with a hydraulic opening greater than 20 square feet and a minimum vertical clearance of 4'.

DelDOT is responsible for 1,802 NBI & State bridge structures. DelDOT has 343 NBI bridges on the National Highway System (NHS), with an additional 12 owned by DRBA and 2 owned by the USACE.

A comprehensive Bridge inspection program is required as per the Code of Federal Regulations (NBIS) by the FHWA for NBI bridges only. DelDOT's Bridge Inspection Program includes NBI & State bridges.

Annual Budget:
 DelDOT spent ~\$77M in FY25 on bridge preservation activities and the expected average annual budget for the next 3 years is \$106.5M. This includes \$16.5M of State funds, and \$90M of Federal funds. This excludes projects that are funded through special pots of money, grants, or funding outside of the Bridge Program.

Asset Valuation:
 The current valuation of DelDOT's bridge assets is estimated to be \$3.44B with the culvert bridge population accounting for ~12.9%.

STATE OF GOOD REPAIR

SOGR for bridges is defined using the minimum assigned NBI Condition Rating. DelDOT defines SOGR as follows:

DelDOT Bridge Program

Good Condition: NBI Rating \geq 6
 Poor Condition: NBI Rating \leq 4

NHS Bridge Program

Good Condition: NBI Rating \geq 7
 Poor Condition: NBI Rating \leq 4

TARGETS AND MEASURES

DelDOT Bridge Performance Goals

of Bridges in Good Condition > 75%
 # of Bridges in Poor Condition < 3%

NHS Bridge 2026 Performance Targets

Deck Area in Good Condition > 25%
 Deck Area in Poor Condition < 3%

INVENTORY & CONDITION

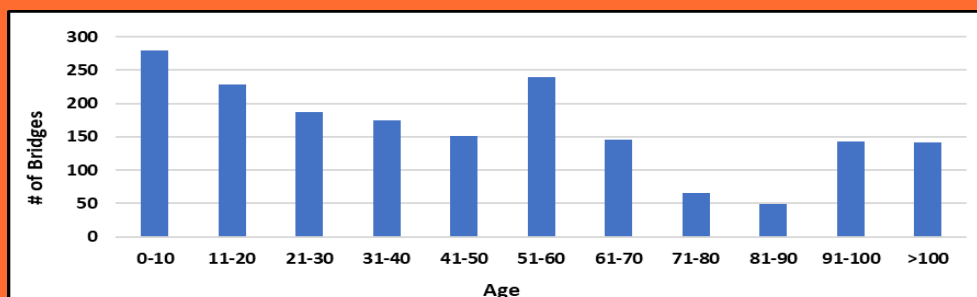
2025 Bridge Condition Rating Summary

Condition Rating	All DelDOT Bridges		DelDOT NBI Bridges		DelDOT State Bridges	
	# Bridges	% Bridges	# Bridges	% Bridges	# Bridges	% Bridges
Poor (\leq 4)	20	1.11%	6	0.70%	14	1.47%
Fair = 5	186	10.32%	104	12.21%	82	8.63%
Good (\geq 6)	1596	88.57%	742	87.09%	854	89.90%
Total =	1,802	100.0%	852	100.0%	950	100.0%

2025 NHS Bridge Condition Rating Summary

Condition Rating	All NHS Bridges (357 bridges)		DelDOT Bridges (343 Bridges)		Army Corps Bridges (2 Bridges)		DRBA (12 Bridges)	
	Deck Area (ft ²)	% Deck Area	Deck Area (ft ²)	% Deck Area	Deck Area (ft ²)	% Deck Area	Deck Area (ft ²)	% Deck Area
Poor (\leq 4)	33,893	0.4%	33,893	0.5%	-	0.0%	-	0.0%
Fair = 5 & 6	6,155,209	72.3%	4,057,019	63.3%	723,663	100.0%	1,374,527	99.0%
Good (\geq 7)	2,327,937	27.3%	2,314,126	36.1%	-	0.0%	13,811	1.0%
Total =	8,517,039	100.0%	6,405,038	100.0%	723,663	100.0%	1,388,338	100.0%

BRIDGE AGE DISTRIBUTION

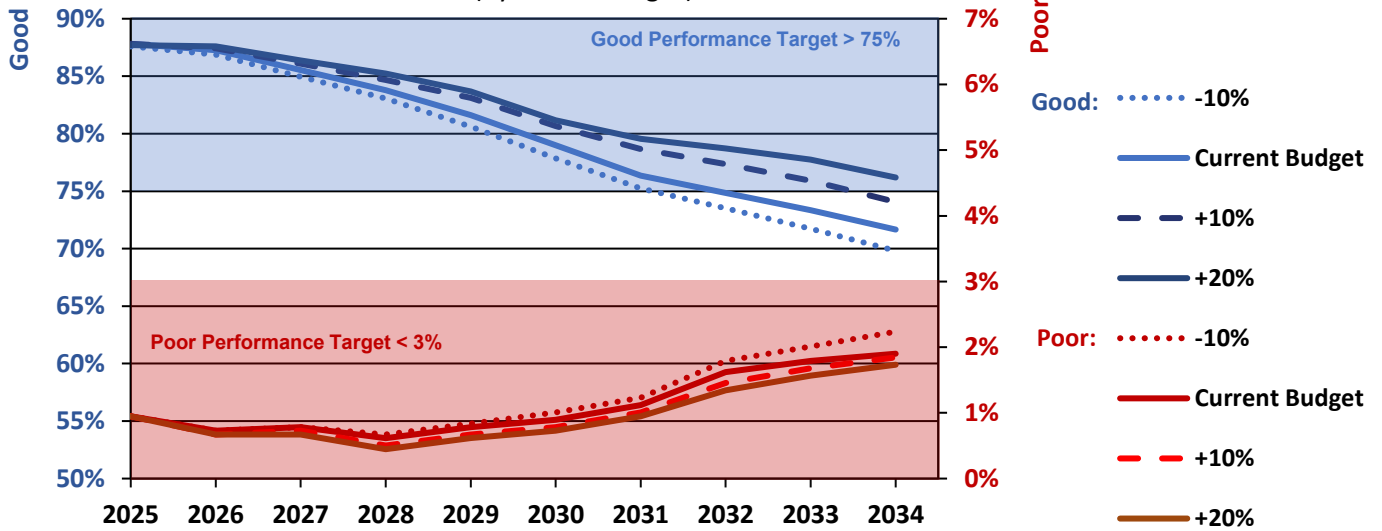




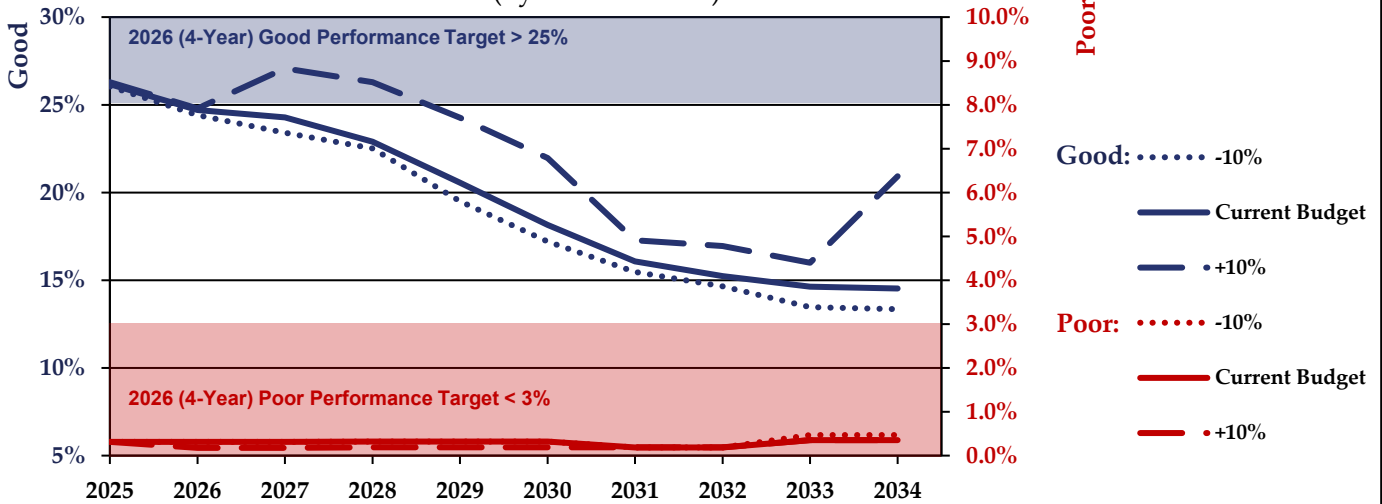
BRIDGE PERFORMANCE PROJECTIONS

Note: The increases & decrease to the Current Budget was applied in years 2026-2034.

DeIDOT Bridge Program: 10-Year Performance Forecast
(by % # of Bridges)



NHS Bridge Program: 10-Year Performance Forecast
(by % Deck Area)



POTENTIAL RISKS

Non-Redundant Steel Tension Member Bridges: Steel bridges that contain members whose failure would cause partial or full failure of the bridge. These bridges require in-depth inspections to monitor areas for fatigue cracking to prevent damage and potential failure.

Scour Critical Bridge Population: These are bridges that have either been identified as having the potential to scour beyond the footings/piles through analysis or a pre-screening evaluation or have advanced scour damage that requires monitoring.

Large Rain/Storm Events: These types of events may result in increased water flow or overtopping that can cause advanced scour, settlement of the bridge, or a complete bridge failure.

Traffic Impact: Over height trucks that strike overpass bridges are a concern for the structural integrity of the bridge, as well as safety of motorists driving over or under the overpass bridge.