

# Asset Management: Highway Maintenance Annual Report

WSDOT's task completion and asset conditions  
Calendar year 2019 through 2020; Funded level targets for select maintenance activities

Activity or asset (Task completion measure)	2020			
	2019	2020	Funded target	Goal met
Special Bridges and Ferry Operations (Completed preventative maintenance tasks)	Tasks completed: 97% Asset condition rating: A	89% A	A	Yes
Structural Bridge Repair <sup>1,2</sup> (Completed priority one repairs)	18% 93%	15% 94%	90%	Yes
Pavement <sup>1,3</sup> (Completed planned maintenance)	86% 91%	66% 93%	90%	Yes
Traffic Signal System Operations <sup>4</sup> (Completed preventative maintenance tasks)	64% C	54% B	C	Yes
Catch Basins and Inlets Maintenance (Completed annual inspection and maintenance in NPDES <sup>5</sup> permit area)	98% A	95% B	A	No
Urban Tunnel Systems Operations <sup>6</sup> (Completed preventative maintenance tasks)	N/A N/A	98% B	B	Yes
Regulatory/Warning Sign Maintenance <sup>7</sup> (Completed planned maintenance)	74% D	108% N/A		
Barrier Maintenance - Cable Barrier <sup>8</sup> (Completed planned maintenance)	99% B	100% B	B	Yes
Pavement Striping Maintenance (Completed planned maintenance)	90% B	56% F	B	No
Bridge Deck Repair <sup>1,2</sup> (Completed planned maintenance)	86% 93%	70% 94%	90%	Yes
Stormwater Facility Maintenance (Completed annual inspection and maintenance in NPDES permit area)	98% A	97% B	A	No
Bridge Cleaning (Completed preventative maintenance tasks)	84% B	40% F	B	No
Intelligent Transportation Systems <sup>4</sup> (Completed preventative maintenance tasks)	43% A	41% A	A	Yes
Culvert Maintenance (Completed planned maintenance)	89% D	94% D	D	Yes
Pavement Marking Maintenance (Completed planned maintenance)	99% D	41% D	D	Yes
Highway Lighting Systems <sup>4</sup> (Completed preventative maintenance tasks)	35% B	25% B	B	Yes
Guide Sign Maintenance <sup>7</sup> (Completed preventative maintenance tasks)	61% D	107% N/A	C	No

Data source: WSDOT Maintenance Office.

Notes: COVID-19 work restrictions, furloughs and shortage of personnel has affected various work activities. **1** Pavement and bridge asset conditions are given as percentage of WSDOT owned highway lane miles in fair or better condition (pavement) and percentage of WSDOT owned bridges in fair or better condition by bridge deck area. Pavement data lags one year behind indication (i.e., 2020 column corresponds to 2019 data). Pavement is part of an integrated approach using Washington State Pavement Management System condition rating, which takes into account all maintenance and preservation work completed and/or needed. **2** As of June 2020, 93.8% of WSDOT-owned bridges by deck area were in fair or better structural condition, improving from June 2019 when 92.9% of bridges by deck area were in fair or better condition. The improvement was largely due to the removal of the Alaskan Way Viaduct from WSDOT's bridge inventory. **3** Pavement rating jumped from 91 to 93% due to multiple concrete projects being substantially complete in 2019; the rating also includes chip seal ratings for the first time in many years. **4** Reduction in preventative maintenance completed is contributed to COVID-19 work restrictions, shortage of qualified personnel, increased inventory, and an emphasis on repairs or prioritization of completing repairs. **5** NPDES stands for the National Pollutant Discharge Elimination System. **6** Urban Tunnel Systems Operations is represented by the SR 99 tunnel for 2020, the I-90 tunnel is not included in 2020 calculations, because the facility was still under construction during the reporting period. **7** The Regulatory/Warning Sign and Guide Sign Maintenance categories were not conducted due to COVID-19 and carpooling restrictions. **8** This activity is a subset of the Guardrail Maintenance activity.