

Asset Management: Highway Maintenance Annual Report

WSDOT's task completion and asset conditions
Calendar year 2021 through 2022; Funded level targets for select maintenance activities

Activity or asset (Task completion measure)	2022			
	2021	2022	Funded target	Goal met
Special Bridges and Ferry Operations (Completed preventative maintenance tasks)	Tasks completed:	98%	99%	
	Asset condition rating:	A	A	A
Structural Bridge Repair ^{1,2} (Completed priority one repairs)		7%	7%	
		93%	93%	90%
Pavement ^{1,3,4} (Completed planned maintenance)		153%	101%	
		93%	92%	90%
Traffic Signal System Operations (Completed preventative maintenance tasks)		54%	56%	
		B	B	C
Catch Basins and Inlets Maintenance (Completed annual inspection and maintenance in NPDES ⁵ permit area)		97%	98%	
		A	A	A
Urban Tunnel Systems Operations ⁶ (Completed preventative maintenance tasks)		98%	96%	
		B	B	B
Regulatory/Warning Sign Maintenance ⁴ (Completed planned maintenance)		100%	107%	
		F	F	C
Barrier Maintenance - Cable Barrier (Completed planned maintenance)		99%	100%	
		A	B	B
Pavement Striping Maintenance (Completed planned maintenance)		75%	64%	
		C	D	B
Bridge Deck Repair ^{1,2,4} (Completed planned maintenance)		114%	115%	
		93%	93%	90%
Stormwater Facility Maintenance (Completed annual inspection and maintenance in NPDES ⁵ permit area)		100%	98%	
		A	A	A
Bridge Cleaning (Completed preventative maintenance tasks)		90%	84%	
		A	A	B
Intelligent Transportation Systems (Completed preventative maintenance tasks)		49%	40%	
		A	A	A
Culvert Maintenance (Completed planned maintenance)		69%	115%	
		F	F	D
Pavement Marking Maintenance (Completed planned maintenance)		78%	75%	
		F	D	D
Highway Lighting Systems (Completed preventative maintenance tasks)		19%	23%	
		B	B	B
Guide Sign Maintenance ⁴ (Completed preventative maintenance tasks)		107%	110%	
		F	F	C

Data source: WSDOT Maintenance Office.

Notes: The long term affects of COVID-19 such as work restrictions, furloughs, hiring freezes, budget reductions, increased costs for material, equipment and parts and personnel shortage is still having an effect 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., 2022 column corresponds to 2021 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 2022, 92.6% of WSDOT-owned bridges by deck area were in fair or better structural condition, declining from 93.2% in June 2021. Despite the drop WSDOT met its annual goal of having at least 90% of its bridges by deck area in fair or better condition. **3** Pavement rating fell from 93% to 92% for details refer to Pavement Preservation article on page 7. **4** Percentages greater than 100 indicate more maintenance was completed than planned, due to backlog. **5** NPDES stands for the National Pollutant Discharge Elimination System. **6** For 2022 reporting period, urban tunnels are represented by both the SR 99 and I-90 tunnels for LOS and task completion