

LEAP Transportation Document 2013-4 as developed April 23, 2013

Thirty Maintenance Targets Listed by Statewide Priority

Priority Rank	MAP Activity	Activity Description	Projected Level of Service Goals for Calendar Year 2014
1	Moveable & Floating Bridges	This activity includes all work necessary to maintain and operate moving and floating bridges that are not covered in the activities listed above. Work includes maintenance of all mechanical and electrical working parts so the bridges can be opened and closed when needed. The activity includes the work operation of opening and closing the bridge span	A+
2	Signal Systems	This activity includes all traffic signal system repairs as well as performing identified preventive maintenance tasks necessary to keep traffic signal systems operating at optimal performance to extend the longevity of the system.	C+
3	Snow & Ice	This activity includes all tasks related to controlling snow and ice on highways during winter months. Major tasks include the physical removal of snow and ice from roadway surface: using snow plows, snow blowers, and motor graders. Application of sand and deicers, avalanche control work, and opening seasonal passes are tasks also included.	A
4	Keller Ferry	Includes all work necessary to operate the Keller Ferry which crosses Franklin D. Roosevelt Lake (slackwater behind Grand Coulee Dam) and is a vital transportation link for agricultural commerce on SR 21 between the communities of Republic and Wilbur.	B
5	Urban Tunnels	Urban tunnels in the Seattle area contain a number of safety and operational systems that are deployed during high traffic periods to ventilate the tunnels, or apply fire suppressants in the event of a fire. These systems require periodic testing and operation. This activity includes all work necessary to insure all the mechanical, electrical, and electronic equipment such as exhaust fans, fire protection systems, carbon dioxide monitoring equipment, lighting, radio systems, and all other equipment including the computer control system is operational at all times.	B
6	Structural Bridge	Includes all work necessary to repair deficiencies that affect the structural support systems of a bridge or tunnel. This includes a wide variety of work including repairing piers or girders, replacing bearing pads, replacing damaged or deteriorated truss members, replacing or repairing expansion joints, repairing scour around piers, and removing debris build-up against piers, bulkheads, or pilings.	C
7	Regulatory Signs	This includes work to maintain signs and the posts that support them including sign washing, repair, or replacement.	C+
8	Slope Repair	Includes all work necessary to repair slope damage from slides, drifting sand or erosion. Work also includes repairing damage to riprap, cribbing, bulkheads, and dikes.	A
9	ITS	This activity includes all repairs for ITS components as well as completion of preventive maintenance tasks necessary to keep ITS components operating.	A-
10	Catch Basins	Includes all work necessary to restore flow and storage capacity of inlets, catch basins, manholes, and connecting pipes. Work includes removing the lid and extracting built-up debris and silt.	B
11	Bridge Decks	Includes all work necessary to repair scaling, spalling, cracks, and exposed reinforcing steel on bridge decks. The work includes saw cutting and removal of broken asphalt or concrete from the damaged area and patching it with an appropriate mix or compound such as asphalt, epoxy or concrete.	C+
12	Guardrail	This activity includes all maintenance work related to beam guardrail, cable guardrail, and concrete barrier. Tasks include routine inspection, preventive maintenance, and repair when damaged.	A-
13	Striping	This activity includes all tasks related to maintaining the lane lines painted on paved surfaces to delineate lanes of travel. The majority of lane lines are re-painted each year with water-based paint but some are comprised of durable materials that last longer than a single year.	B-
14	Raised/Recessed Markers	This activity includes installation of raised and recessed markers, or buttons, that delineate lanes of travel. Removal of old or damaged markers is also included in this activity.	C+
15	Vegetation Obstructions	Includes all work necessary to eliminate vegetation on the right of way that is, or potentially will be, a safety hazard from an operational standpoint. This type of vegetation is either an obstruction to a vehicle leaving the highway that would cause damage if struck, or is an obstruction to the vision of motorists using the highway and would prevent someone from seeing an upcoming hazard and not allow adequate time to prevent an accident.	C
16	Safety Rest Areas	Safety Rest Areas have rest rooms that must be cleaned and sanitized and litter receptacles emptied on a daily basis, and parking areas that must be cared for. Many rest areas have picnic tables, landscaping, and sidewalks to maintain. These sites also have water and sewer systems that must meet public health regulations for operation. These are the main tasks that comprise maintenance of these facilities.	B
17	Sweeping	Includes sweeping paved shoulders and paved islands either by hand or with a self propelled mechanical sweeper. The work may include picking up all debris, hauling it to a nearby waste disposal site, and washing the pavement with a street flusher.	A

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18	Ditches	Includes all work necessary to remove silt, soil and rock that have built up over time to restore the flow capacity of ditches. Work may include placing rock in ditches that have eroded to restore the original flow lines and control future erosion. Re-vegetation of the cleaned ditch may also be implemented to control future erosion.	B+
19	Highway Lighting	This activity includes all repairs for highway lighting systems as well as completion of preventive maintenance tasks necessary to keep illumination system operating.	A-
20	Guide Posts	This activity includes the cleaning, repair, or replacement of guideposts that have become damaged, dirty, or are no longer functioning as intended.	D
21	Culverts	Includes all work necessary to keep culverts that cross state highways free of debris and silt. Also includes removing debris build-up, beaver dams, or brush at culvert ends to insure they are free of obstructions.	D
22	Pavement Marking	This activity consists of re-painting, or re-applying durable materials that comprise various markings and symbols on pavement surfaces. Markings and symbols typically include crosswalks, stop bars, directional arrows, HOV diamond, and railroad crossings.	D
23	Noxious Weeds	Includes all work necessary to eradicate and prevent the spread of seed from weeds identified in WAC 16-750 as a Class A or B noxious weed and growing on highway rights of way. The work may involve the spraying of herbicides, mowing, hand pulling, or application of biological control agents (bugs or diseases).	C+
24	Shoulder Maintenance	Activities required to repair deficiencies in the paved shoulder or gravel area adjacent to the edge of the pavement. Includes all activities listed above for pavement patching and crack sealing, but also includes grading the gravel to repair erosion or a drop-off developed by vehicles driving off the pavement edge, and removing shoulder buildup caused by vegetation growth, or sand left from winter work.	C-
25	Guide Signs	This includes work to maintain signs and the posts that support them including sign washing, repair, or replacement.	C+
26	Stormwater Facility Maintenance	Includes all work necessary to maintain the original functionality of stormwater facilities to meet WSDOT Highway Runoff Manual Chapter 5-5 requirements. This work may consist of removing soil/silt buildup from stormwater treatment/flow control facilities and inlet/outlet pipes. Work may also involve erosion repair, liner repair, beaver dam removal, tree removal and noxious and nuisance weed control within the confines of the storm water facility.	C
27	Bridge Cleaning	Includes all work necessary to clean bridge surfaces, sidewalks, and drains to remove sand and debris build-up, provide proper drainage, and an aesthetically clean appearance. Work includes sweeping and washing decks and sidewalks, power washing or sand blasting rust, moss, bird guano, or dirt from surfaces, and cleaning plugged drains and grates so water flows through them freely.	B
28	Nuisance Weeds	Includes all work necessary to eradicate nuisance vegetation on the right of way that is not identified in WAC 16-750 as a Class A or B noxious weed, nor considered a safety hazard from a highway operational standpoint. Scotch Broom and blackberries are two plants that typically fall into this category on the west side of the state. Morning Glory and Puncturevine are examples for the east side.	D-
29	Landscape	Includes all activities related to the care of formal, ornamental landscape plantings along the highway and interchanges.	D
30	Litter	Includes all work necessary to remove litter, debris, and dead animal carcasses from the shoulder and roadside, and haul it to an appropriate disposal site.	D