Chapter 1120 Preservation Projects

# 1120.01 General

This chapter provides information specific to preservation project types.

This chapter identifies those elements and features to be evaluated and potentially addressed during the course of a preservation project. The elements listed here may be in addition to the project need identified in the Project Summary or Basis of Design (see 1120.03(8)). Preservation projects may also provide opportunities for project partnering and retrofit options involving additional elements (for example see Section 1231.06).

Preservation projects are funded in three sub-program areas:

* **Roadway Preservation (P1) projects** preserve pavement structure, extend pavement service life, and restore the roadway for reasonably safe operations of the travel modes accommodated by the facility.
* **Structures Preservation (P2) projects** preserve the state’s bridge network through cost-effective actions. There are numerous types of bridge preservation actions including: deck rehabilitation, seismic retrofit, painting steel bridges, scour repair, and others.
* **Other Facilities (P3) projects** preserve the function of guardrail and signing, major drainage, major electrical, unstable slopes, and other assets.

For required design elements in these programs see Exhibit 1105-1.

Existing roadside safety devices (see Section 1600.01) may remain in place unless a project scope specifically identifies it for replacement. Specific guidance for repair of certain existing devices is also provided (see Section 1120.03). When a roadside safety device replacement is required, and a policy specific to the device is not found in this chapter (or in scoping instructions for P2 and P3 projects), apply the most recent standard described in Division 16 when selecting a replacement.

For more information on these programs see the Planning & Programming – Scoping website:

🖰 <http://wwwi.wsdot.wa.gov/Planning/CPDMO/PlanProgScoping.htm>

# 1120.02 Structures Preservation (P2) and Other Facilities (P3)

For Structures Preservation (P2) and Other Facilities (P3) projects see the scoping instructions specific to the sub-program and type of work to determine the likely design elements to be addressed by the project. If there are questions about project scope or policy requirements, consult your Assistant State Design Engineer (ASDE).

## 1120.02(1) Documentation

See Chapter 300 for documentation requirements. If the project changes a geometric design element, replaces an existing bridge, or installs a new bridge additional documentation may be required; contact your ASDE to discuss appropriate documentation.

# 1120.03 Roadway Preservation (P1)

## 1120.03(9) Rumble Strips

Potential new rumble strip locations are identified using a benefit cost analysis performed by HQ Design. When notified that rumble strip installation or rehabilitation needs to be considered during scoping or design, refer to guidance in 1600.05(1), 1600.05(1)(b), and 1600.05(1)(c) to determine the suitability of the location, and if a low noise design is appropriate for the location.

When the project includes a bituminous surface treatment (BST) application in a location where a rumble strip is already installed and a BST was already applied over the top of the rumble strip in the past, contact HQ Design for options. Options include leaving the rumble strip in place, employing methods to measure milling depth of existing rumble strips to estimate conformance with standards, removing the rumble strip, or removing and replacing the rumble strip.

# 1120.03(10) Documentation

For Roadway Preservation (P1) projects, use the Basis of Design and Design Parameter Sheets to document decisions when the project changes design elements that are not listed in 1120.03(1) through 1120.03(8).