



## ***Electrical Approved Products List (E-APL) Guide***

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### **1.1 General**

The Washington State Department of Transportation (WSDOT) Electrical Approved Products List (E-APL) is a list of pre-approved materials that may be used on WSDOT projects for electrical, lighting, traffic signal, and intelligent transportation systems (ITS).

This list is provided as a convenience to WSDOT staff and Contractors to help expedite the material approval process for items covered by WSDOT Standard Specifications Sections 8-20 and 9-29, given the wide range of potential items for many of these materials.

The E-APL is used in conjunction with the WSDOT Qualified Products List (QPL) system. For items with QPL entries, the E-APL supplements the QPL by providing specific part numbers or order codes. Materials are added to the E-APL after they have been approved on multiple projects or as part of the QPL process. Manufacturers or vendors interested in having items added to the E-APL are still required to go through the WSDOT QPL process.

### **1.2 Structure**

The E-APL is a table that assigns a unique identification number to each specific part listed. The identification number is roughly based on the specific section of the Standard Specifications, with some minor adjustments to allow for splitting some items into subcategories that do not currently exist in the Standard Specifications.

The table has the following listed for each item:

- **E-APL #:** The unique identifier for the item. Numbers are assigned in the order they are added to the E-APL.
- **Reference:** Describes the material specification source reference. Source references will be listed as “SS” for the Standard Specifications, “GSP” for a General Special Provision, or “RGSP” for a Region General Special Provision.
- **Material Type:** Basic description of the material.
- **Manufacturer:** The name of the manufacturer for that entry.
- **Product Line:** Sub-brand or product line name that is different from the manufacturer name, if any. Not all items will have this entry.

- **Order Code / Part #:** The specific part number or order code for the approved material. This item is the primary manufacturer identification for the approved material. Some part numbers will have placeholder elements such as “###”, “XX”, or “XXY”, which are used to denote a block of approved part numbers. An explanation of these placeholders is included in the Notes for that entry.
- **Product Name / Description:** The specific product name or a basic description of the material.
- **Notes:** Descriptions of placeholder elements from the order code/part number or specific items to be aware of for that specific product.
- **BABA Cert.:** If the material has a known Buy America / Build America certification, it will be noted here with a “Y”

Items in **bold** are specifically included in the material submittal, as discussed in Section 1.3 below.


## **1.3 Using the E-APL**

### **1.3(1) For Contractors**

The following steps must be taken to make use of the E-APL for material submittals.

1. E-APL submittals need to use a standard Request for Approval of Materials (RAM) form #350-071 (see <https://wsdot.wa.gov/engineering-standards/construction-materials/request-approval-materials>).
2. On the RAM form, include the following along with the standard required information:
  - a. In the Material Type, Product Name & Model Number column, include the part number or order code from the item as shown in the E-APL.
  - b. In the Specification Reference Column, include both the Specification Reference and the E-APL number (see Exhibit 1.3-1 example below).

## Exhibit 1.3-1: Example RAM form with E-APL number as part of Specification Reference



**Washington State  
Department of Transportation**

## Request for Approval of Material

Contract Number	FA Number	SR	Date
Section / Title of Project		County	
Contractor		Subcontractor	

This form shall be completed prior to submittal. If this form is not complete at time of submittal it may be returned for information that was omitted.

PE Use	Bid Item and Sub-Item No.	Material Type, Product Name & Model Number	Name and Location of Fabricator, Manufacturer or Pit Number	Specification Reference	PE/QPL Code	Hdqtr./QPL Code	HQ Use
				9-29.3(1)F E-APL 9.29.3.1.F.1-1			

**For WSDOT Use Only**

RAM #

Unifier Submittal #

Std. Spec. Version:

3. If the material is listed on the QPL, include the QPL reference and sheet as part of the submittal.
4. Include a cut sheet of the material on the E-APL. The cut sheet **must include the product order code or part number listed in the E-APL** for verification by the material approver.

### 1.3(2) For Material Approvers

To use the E-APL to approve materials:

1. Verify that the RAM form includes both the material part number/order code and the E-APL reference number.
2. Verify that the cut sheet for the material includes the part number/order code from the E-APL listing.
3. Verify that a QPL page has been submitted if the item is also listed in the QPL.

E-APL listed items do not need to be forwarded to the HQ Materials Laboratory for approval if all three of these items are included in the submittal.

## **1.4    Contacts**

Questions or comments related to the E-APL may be directed to the following:

Flint Jackson

State Traffic Electrical Systems Engineer

[flint.jackson@wsdot.wa.gov](mailto:flint.jackson@wsdot.wa.gov)

<https://wsdot.wa.gov/engineering-standards/construction-materials/electrical-materials>

WSDOT HQ Materials Lab – Qualified Products List

[QPL@wsdot.wa.gov](mailto:QPL@wsdot.wa.gov)

<https://wsdot.wa.gov/engineering-standards/construction-materials/qualified-product-list-qpl>

WSDOT HQ Materials Lab – Request for Approval of Materials

[MLRAM@wsdot.wa.gov](mailto:MLRAM@wsdot.wa.gov)

<https://wsdot.wa.gov/engineering-standards/construction-materials/request-approval-materials>