

**WYOMING DEPARTMENT OF TRANSPORTATION**  
**ROAD DESIGN MEMORANDUM #1**  
**DATE OF ISSUE: May 1, 2023**



Approved by: Christina Spindler  
Digitally signed by Christina Spindler  
Date: 2023.10.26 15:30:53 -06'00'  
Christina Spindler, P.E.  
Highway Development Engineer

Issued by: Project Development, WYDOT, Cheyenne

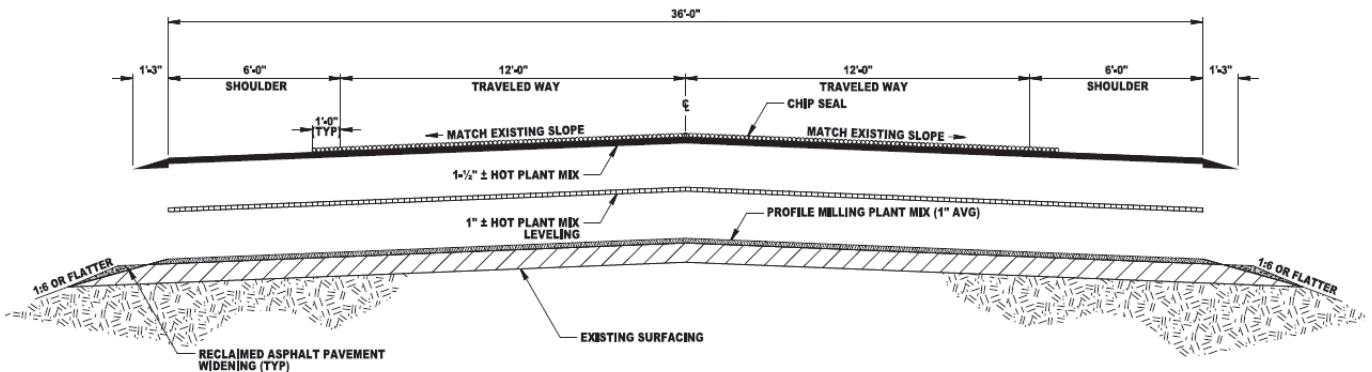
**GENERAL TOPIC: SURFACING**  
**SUBJECT: PLANT MIX LEVELING**

### General

The intent of plant mix leveling is to restore the existing surfacing ride quality and cross slope. This results in a layer of varying thicknesses both transversely and longitudinally when placed during construction.

### Full Width Leveling

When full width leveling is recommended by the Materials Program, show on the typical section the full width leveling including the shoulders with vertical edges. This thickness will be added to the surfacing thickness of the roadway template applied to the roadway model. The estimated quantity of leveling will be calculated using a uniform thickness full width. When calculating the overlay taper quantities, include in the overall thickness the thickness of the leveling.



## **SPOT LEVELING**

Spot leveling is used to fill low spots or ruts. The material is not intended to be applied uniformly full length width or length of the roadway. Do not indicate spot leveling on the typical section or include spot leveling thickness in the roadway model. The engineer's recommendations should include an estimated quantity of spot leveling to be verified by the Materials Program.