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February 6, 1998

**INSTRUCTIONAL BULLETIN NO. 98-1**

**SUBJECT:** Borrow Excavation and Permanent Vegetation on Resurfacing Projects  
**EFFECTIVE DATE:** April 1998 Letting  
**SUPERSEDES:** None  
**RE:** None

At the request of State Highway Engineer Don Freeman, it will be necessary on all future resurfacing projects to include a quantity of Borrow Excavation and Permanent Vegetation. The Permanent Vegetation will replace existing seeding quantities including Seeding, Fertilizer, Lime and Nitrogen.

- Computation of Borrow Excavation will be 200 CY per mile for secondary roads and 400 CY per mile for primary roads.
- Computation of Permanent Vegetation will be 3.0 MSY per mile for secondary roads and 4.7 MSY per mile for primary roads.

These are minimum quantities and Districts may request higher amounts. Borrow Excavation and Permanent Vegetation will not be required on projects with existing curb and gutter or valley gutter. Divided highways will need twice the amount. Engineering judgement should be used in special situations.

Approved: \_\_\_\_\_

  
E. S. Eargle  
Road Design Engineer

ESE:adf

cc:

Federal Proj. Dev. Engr. Pratt  
"C" Proj. Dev. Engr. Kneece