**SHOULDER AND SLOPE BORROW:**

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| --- | --- | --- |
| (3-19-13) | 1019 | SP10 R10 |

Use soil in accordance with Section 1019 of the *2012 Standard Specifications*. Use soil consisting of loose, friable, sandy material with a PI greater than 6 and less than 25 and a pH ranging from 5.5 to 7.0.

Soil with a pH ranging from 4.0 to 5.5 will be accepted without further testing if additional limestone is provided in accordance with the application rates shown in Table 1019-1A. Soil type is identified during the soil analysis. Soils with a pH above 7.0 require acidic amendments to be added. Submit proposed acidic amendments to the Engineer for review and approval. Soils with a pH below 4.0 or that do not meet the PI requirements shall not be used.

|  |  |  |  |
| --- | --- | --- | --- |
| **TABLE 1019-1A**  **ADDITIONAL LIMESTONE APPLICATION RATE TO RAISE pH** | | | |
| **pH TEST RESULT** | **Sandy Soils Additional Rate  (lbs. / Acre)** | **Silt Loam Soils  Additional Rate (lbs. / Acre)** | **Clay Loam Soils  Additional Rate (lbs. / Acre)** |
| 4.0 - 4.4 | 1,000 | 4,000 | 6,000 |
| 4.5 - 4.9 | 500 | 3,000 | 5,000 |
| 5.0 - 5.4 | NA | 2,000 | 4,000 |

Note: Limestone application rates shown in this table are in addition to the standard rate of 4000 lbs. / acre required for seeding and mulching.

No direct payment will be made for providing additional lime or acidic amendments for Ph adjustment.