SECTION 1104
AGGREGATES FOR AGGREGATE BASE CONSTRUCTION

1104.1 DESCRIPTION
This specification covers aggregates for use in aggregate base construction.

1104.2 REQUIREMENTS

a. Composition.
(1) Type AB-1 or AB-2 may be singularly or any combination of crushed stone, crushed or uncrushed gravel, sand, sand-gravel, or limestone gravel mixed with soil or other qualified binder material.
(2) Type AB-3 is at least 85% limestone or dolomite produced by mechanical crushing.

b. Quality.
• Soundness\(^2\), minimum (KTMR-21) ............................................................... 0.85
• Wear\(^3\), maximum (AASHTO T 96) ............................................................... 50%

\(^1\)Crushed aggregates with less than 10% material retained on the No. 4 sieve (excluding mineral filler supplements) must be produced from a source complying with the official quality requirements of this Section prior to crushing.
\(^2\)The above requirements for soundness do not apply for aggregates having less than 10% material retained on the No. 4 sieve.
\(^3\)The above requirements for wear do not apply to aggregates having less than 10% material retained on the No. 8 sieve.

c. Product Control.
(1) Gradation and Plasticity. Provide a uniformly mixed final product that complies with TABLE 1104-1.
(2) Deleterious Substances. Provide aggregates that are free from weeds, sticks, grass, roots and other undesirable foreign matter.

d. Stockpiling. Stockpile and handle aggregates in such a manner to prevent detrimental degradation and segregation, the incorporation of appreciable amounts of foreign material, and the intermingling of stockpiled materials.

1104.3 TEST METHODS
Test aggregates according to the applicable provisions of SECTION 1115.

**TABLE 1104-1: GRADATION AND PLASTICITY OF AGGREGATES FOR AGGREGATE BASE CONSTRUCTION**

<table>
<thead>
<tr>
<th>Type</th>
<th>Percent Retained-Square Mesh Sieves</th>
<th>P.L.</th>
<th>Liquid Limit (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2&quot;</td>
<td>1 ½&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>AB-1</td>
<td>0</td>
<td>0-10</td>
<td>5-40</td>
</tr>
<tr>
<td>AB-2*</td>
<td>0</td>
<td>0-5</td>
<td>5-30</td>
</tr>
<tr>
<td>AB-3**</td>
<td>0</td>
<td>0-5</td>
<td>5-30</td>
</tr>
</tbody>
</table>

*The fraction passing the No. 200 sieve shall not exceed 2/3 of the fraction passing the No. 40 sieve.
**The fraction passing the No. 200 sieve shall not exceed 3/4 of the fraction passing the No. 40 sieve.

1104.4 PREQUALIFICATION
Prequalify aggregate sources according to subsection 1101.4.

1104.5 BASIS OF ACCEPTANCE
Aggregates covered by this subsection are accepted based on the procedures described in subsection 1101.5.