

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" (LCDOT) For use on LCDOT let projects only - do not include in IDOT let projects. For IDOT Let Projects use the D1 special provision. Delete this note from the Contract Specifications

Effective: January 1, 2007
Revised: May 19, 2014

Description: This work shall consist of furnishing and constructing a 12" thick aggregate subgrade on a prepared subbase. The subgrade shall be placed in 2 lifts.

Materials: The aggregate in the first lift shall be a porous granular embankment meeting the requirements of Article 1004.05 of the "Standard Specifications" except as follows:

1. *Crushed Stone, Crushed Blast Furnace Slag, or Crushed Concrete meeting the requirements of the following table will be permitted.*

Sieve Size	Percent Passing
8"	100
6"	97 +/- 3
4"	90 +/- 10
2"	45 +/- 25
#4	20 +/- 20
#200	5 +/- 5

2. *Crushed Gravel meeting the requirements of the following table will be permitted.*

Sieve Size	Percent Passing
8"	100
6"	97 +/- 3
4"	90 +/- 10
2"	55 +/- 25
#4	30 +/- 20
#200	5 +/- 5

3. *Crushed RAP, from either full depth or single lift removal, may be mechanically blended with the above aggregate materials but shall not exceed 40 percent of the total product. The RAP shall have a top size of 4" and be well graded.*

Steel slag and other expansive materials will not be permitted.

Crushed Gravel shall be defined as meeting a target of 97% with +/-3% variance for one-face or more crushed according to Crushed Particle Content: ASTM D 5821 (Illinois Modified).

The aggregate in the second lift shall be a capping aggregate. The material shall be limited to the following:

1. *Crushed Stone, Crushed Blast Furnace Slag, Crushed Concrete, and Crushed Gravel having a gradation CA 6 in accordance with the requirements of Article 1004.01 of the "Standard Specifications". Steel slag and other expansive materials will not be permitted.*
2. *Reclaimed asphalt pavement (RAP) meeting the requirements of Section 1031 of the "Standard Specifications" and the following:*
 - *100% passing the 3 inch sieve.*
 - *Well graded down through fines.*
 - *The RAP shall not contain steel slag or other expansive material. RAP proposed for use as a capping aggregate shall be tested by the Department to determine if it is expansive or not. Non-expansive RAP will be allowed for use in the capping aggregate.*

Equipment: A vibratory roller meeting the requirements of Article 1101.01(g) of the "Standard Specifications" shall be used to roll each lift of material.

Construction Requirements: The first lift shall be 8" thick. The material shall be a porous granular embankment. The work shall be done according to the applicable portions of Section 207 of the "Standard Specifications". The second lift shall be a 4" (nominal) thick capping aggregate. The work shall be done according to the applicable portions of Section 351 of the "Standard Specifications".

A vibratory roller shall be used to roll each lift of material to obtain the desired keying or interlock and necessary compaction. The Engineer will verify that adequate keying has been obtained.

All aggregate shall be compacted to the satisfaction of the Engineer. If the moisture content of the material is such that compaction cannot be obtained, sufficient water shall be added so that satisfactory compaction can be obtained.

Finishing and Maintenance of Aggregate Subgrade Improvement: The aggregate subgrade improvement shall be finished to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer. The aggregate subgrade improvement shall be maintained in a smooth and compacted condition.

Method of Measurement: Aggregate Subgrade Improvement 12" will be measured for payment in square yards according to Article 311.08(b) of the "Standard Specifications".

Basis of Payment: This work will be paid for at the contract unit price per square yard for AGGREGATE SUBGRADE IMPROVEMENT 12". *The unit price shall include all equipment, materials and labor required to furnish and place both lifts.*