

**TECHNICAL SPECIFICATION 210
PROCESSED AGGREGATE BASE**

210.1 SCOPE OF WORK

This technical specification covers the furnishing of all labor, materials, testing, submittals, tools, and equipment necessary to properly place processed aggregate to the lines, grades and compacted thickness as shown on the plans.

210.2 MATERIALS

A. Gradation

Coarse and fine aggregates shall be combined and mixed by approved methods so that the resulting material shall conform to one of the following gradation requirements as specified:

Percent Passing by Weight

<u>Square Mesh Sieves</u>	<u>Medium Gradation</u>	<u>Coarse Gradation</u>
2-1/4"	-	100
2"	-	95 – 100
1-1/2"	100	-
1"	90 – 100	-
3/4"	75 – 100	50 – 75
1/4"	30– 60	25 – 45
#40	10 – 25	5 – 20
#100	3 - 12	2 – 12

B. Coarse Aggregate

Coarse aggregate shall be broken stone. When tested by means of the Los Angeles Abrasion Machine, using AASHTO Method T 96, the coarse aggregate shall not have a loss of more than 50 percent. Broken stone shall consist of sound, tough, durable fragments of rock of uniform quality throughout. It shall be free from soft, disintegrated pieces, mud, dirt, organic or other injurious material.

Gravel, recycled or reclaimed material will not be accepted as an alternative for processed aggregate.

C. Fine Aggregate

The fine aggregate shall conform to Form 816, Section M.05.01-3.

210.3 SUBMITTALS

The following submittals shall be submitted to the Engineer for review and approval prior to installation:

- Gradation test results for processed aggregates

210.4 CONSTRUCTION METHODS

The processed aggregate base shall be placed in conformance with Form 816, Section 3.04.03 except that gravel, recycled or reclaimed material shall not be used.

210.5 MEASUREMENT

Measurement for this item will be based on the number of tons accepted and compacted in place.

All aggregate required for this work shall be weighed on scales certified by the State of Connecticut. Measurements shall be subject to the following provisions:

Determination of Thickness: The thickness shall be as indicated on the plans, or as ordered by the Engineer and within a tolerance of minus three-fourths of an inch (-3/4") to plus one-half inch (+1/2").

Measurements to determine the thickness will be taken by the Inspector at intervals of 500 feet or less, along lanes, and shall be considered representative of the lane. For the purpose of these measurements, a shoulder will be considered a lane.

If a thickness measurement is taken and found deficient, additional measurements will be taken as is considered necessary by the Inspector to determine the longitudinal limits of the deficiency.

The Inspector may waive an occasional measurement outside the tolerances if in his judgment it is not representative of true conditions and providing that:

- (a) Other thickness measurements taken nearby for the course are within acceptable limits;
- (b) Proper controls have been exercised by the Contractor; and
- (c) If there would be no impairment to the serviceability of the complete construction.

No adjustment of the quantity accepted for payment will be made where the thickness does not exceed the allowable plus or minus tolerances. Where the thickness exceeds that indicated on the plans by more than the prescribed tolerance, that material which is in excess of the total planned depth, plus the tolerance, will not be included for payment.

Areas represented by measurements deficient in thickness in excess of the allowable minus deviation shall be corrected at the Contractor's expense; or with written permission of the Engineer, the deficient areas may remain, and payment will be made at an equitable adjusted price.

210.6 PAYMENT

Payment for this item will be based on the contract unit price per Ton, completed and accepted in place, including all labor, materials, testing, submittals, tools, and equipment necessary to complete the work as specified. Payment for this item will be made based on receipt of a certified weigh ticket by the Inspector at the time of delivery.

PAY ITEM	PAY UNIT
Processed Aggregate Base	Ton