

INTERAGENCY QUALITY ASSURANCE COMMITTEE (IQAC)

Material Qualification



Aggregate Base

General

This procedure is to outline the current IQAC policy and procedure for qualification, and quality assurance sampling and testing of Type I and Type II Aggregate Base Materials. Please note that final acceptance of materials will be based upon the material sampled in-place at the project site, per Section 106 of the Standard Specifications.

Each individual location or "pit" shall be referred to as a "source". The responsible party will be the governing agency nominated by the IQAC for each individual source. Please contact the governing agency, within whose boundaries the source is located, for information.

Qualification Procedure

SAMPLING AND TESTING

All tests specified in the referenced section shall be performed. A graphical representation of the "Proctor" value(s) shall be included with the report. The most current ASTM/AASHTO/NDOT methods shall be used when performing the tests.

All samples of aggregate base for Qualification shall be "cut" from the "belt". When circumstances do not allow for sampling during production, the source must coordinate with the IQAC representative to identify an alternative plan for sampling.

For the annual submittal by the supplier, the material to be approved for use as aggregate base shall be obtained and "split" by an independent laboratory. An IQAC representative shall be present at the time the sample is obtained. The independent laboratory shall provide a "split" sample to the IQAC representative for testing. The sample shall be large enough for a full suite of testing. If IQAC personnel are not present during the sampling of the material, the results for that sample will not be accepted. The aggregate producer is required to notify the IQAC member a minimum of 24 hours prior to obtaining the sample. Sampling must be performed during normal working hours.

SUBMITTAL

If the independent laboratory results are in compliance with the standard specifications, the aggregate producer/representative shall submit the test report to the responsible IQAC members. The report must be prepared by, or under the direction of, a Professional Engineer registered in the State of Nevada. The report shall be on the standard form generated by the IQAC, and shall include the pit name and location. The report shall be signed by the responsible engineer.

The submittal shall include a transmittal letter requesting the review and approval of the materials report for the proposed use of the material. The submitted test results shall be in the standard submittal form issued by the IQAC. The package must be received by the IQAC member within 21 days of the sampling. When "no exceptions" are taken, a conditional Qualification letter will be issued by the IQAC member within 10 days of the receipt of the submittal.

Notification of samples not in compliance with the standard specifications, is requested but not required. Samples without notification or a qualification submittal within the 21 day period, will be assumed by the IQAC to be outside the standard specifications.

Discrepancies between test results will be reviewed on a case by case basis. The responsible IQAC member will notify the aggregate producer of substantial test variations within 10 days of receipt of the qualification submittal.

The maximum qualification period is one year. The entire qualification process must be completed, in accordance with the sections above, prior to the first day of April each year. This includes, but is not limited to, submittal, agency review, all required retesting, and qualification from the IQAC member.

- (1) The minimum percentage of oversized particles below which the practice (ASTM D4718) need not be applied is 5% on the 3/4" sieve.

Section 4.1, "Correction of Unit Weight and Water Content for Total Sample", ASTM D4718, shall be used to determine the oversize correction.

Quality Assurance Testing

The IQAC member whom is responsible for a particular source will perform routine Quality Assurance testing of the aggregate base produced at that location. The frequency of sampling shall be a minimum of once (1) per every three (3) months, or 4 samples per year.

All samples of aggregate base for Quality Assurance shall be "cut" from the "belt".

One of the four annual samples will be the Annual Qualification sample, which shall meet the guidelines noted above. The remaining minimum three samples may be taken at any time at the discretion of the IQAC member. It is anticipated that the samples will be taken at some time during each quarter of each year.

Should the responsible IQAC member find test results which do not meet specifications, the other members of IQAC shall be notified. The IQAC member responsible for a particular pit, may accommodate minor adjustments for "tuning" of an operation during normal operations. This courtesy shall not be extended during the Qualification process. The IQAC shall determine the course of action required for these samples.