

**39-2.04A(4)(c) Department Acceptance****39-2.04A(4)(c)(i) General**

The Department accepts OGFC based on compliance with:

- Aggregate quality requirements shown in the following table:

| <b>Aggregate Quality</b>                              |              |                 |
|---|--------------|-----------------|
| Quality characteristic                                | Test method  | Requirement     |
| Aggregate gradation                                   | AASHTO T 27  | JMF ± Tolerance |
| Percent of crushed particles:                         |              |                 |
| Coarse aggregate (min, %)                             |              |                 |
| One-fractured face                                    | AASHTO T 335 | 90              |
| Two-fractured faces                                   |              | 90              |
| Fine aggregate (min, %)                               |              |                 |
| (Passing No. 4 sieve and retained on No. 8 sieve.)    |              |                 |
| One-fractured face                                    |              | 90              |
| Los Angeles Rattler (max, %)                          |              |                 |
| Loss at 100 Rev.                                      | AASHTO T 96  | 12              |
| Loss at 500 Rev.                                      |              | 40              |
| Flat and elongated particles (max, % by weight @ 5:1) | ASTM D4791   | Report only     |

- In-place OGFC quality requirements shown in the following table:

| <b>OGFC Acceptance In Place</b> |                        |                  |
|---------------------------------|------------------------|------------------|
| Quality characteristic          | Test method            | Requirement      |
| Asphalt binder content (%)      | AASHTO T 308, Method A | JMF -0.40, +0.50 |
| HMA moisture content (max, %)   | AASHTO T 329           | 1.00             |

**39-2.04A(4)(c)(ii) Asphalt Rubber Binder**

The Department accepts asphalt rubber binder in RHMA-O and RHMA-O-HB under 39-2.03A(4)(e)(ii).

**39-2.04A(4)(c)(iii) Pavement Smoothness**

Pavement smoothness of OGFC must comply with the requirements shown in the following table for a 0.1 mile section:

| <b>OGFC Pavement Smoothness Acceptance Criteria</b> |                                  |
|---|----------------------------------|
| OGFC placement on                                   | Mean Roughness Index requirement |
| New construction or HMA overlay                     | 60 in/mi or less                 |
| Existing pavement                                   | 75 in/mi or less                 |
| Milled surface                                      | 75 in/mi or less                 |

**39-2.04A(4)(c)(iv)–39-2.04A(4)(c)(v) Reserved****39-2.04B Materials****39-2.04B(1) General**

When mixed with asphalt binder, aggregate must not be more than 325 degrees F except aggregate for OGFC with unmodified asphalt binder must be not more than 275 degrees F.

**39-2.04B(2) Open Graded Friction Course Mix Design**

The Department determines the asphalt binder content under California Test 368 within 20 days of your complete JMF submittal and provides you a Caltrans Hot Mix Asphalt Verification form.

For OGFC, the 1st paragraph of section 39-2.01B(2)(a) does not apply.

**39-2.04B(3) Asphalt Binder**

Asphalt rubber binder in RHMA-O and RHMA-O-HB must comply with section 39-2.03B(3).