

214-R-670 GEOCELL CONFINING SYSTEM

(Adopted 09-21-17)

The Standard Specifications are revised as follows:

SECTION 214, BEGIN LINE 9, INSERT AS FOLLOWS:

**214.02 Materials**

Materials shall be in accordance with the following:

<i>Geocell Confining System</i> .....	918.04
Geotextile for Pavement and Subgrade.....	918.02
Geogrid.....	918.05
Coarse Aggregate .....	904.03

Note 1: Coarse Aggregate No. 2, 5, 43 53, 73, shall be used only.

Note 2: ACBF Slag shall not be allowed.

SECTION 214, AFTER LINE 101, INSERT AS FOLLOWS:

**(d) Geocell Confining System**

*The Contractor shall construct the grade in accordance with 203. A layer of geotextile shall be placed in accordance with 214.03(b) and shall be anchored at the roadway edge when widening or when intersecting an existing roadway. The geocell confining system, GCS, shall be placed and anchored as shown on the plans or as directed. The Contractor shall ensure that the GCS is anchored vertically and the geocell shall be filled with a minimum of 3 in. of coarse aggregate No. 5, No. 8, or No. 43. If the Contractor chooses No. 5 or No. 8, geotextile in accordance with 918.02(a), Type 1B shall be placed on the GCS before placing No. 53 or No. 73. The GCS shall be oriented with the smaller cell dimension perpendicular to the roadway. The remaining GCS shall be filled with No. 53 or No. 73 and at least 9 in. of No. 53 or No. 73 shall be placed on the GCS. The aggregate shall be back dumped and compacted with a light roller in accordance with 301. No trucks or construction vehicles shall be allowed on the GCS. A light tracked bulldozer or other equipment may be used as directed. A 6 in. lift above GCS shall be compacted with low frequency and amplitude, with a minimum of six passes. The remaining aggregate shall be placed and compacted lightly at first, then with high amplitude. Efforts shall be made to ensure that the geotextile and GCS are in tension. The Contractor may propose an alternate means of providing a typical section for the GCS, and shall submit the proposal to the Engineer for review and approval. The proposal shall be certified by a professional engineer registered in the State of Indiana.*

*GCS shall be constructed in accordance with 207 and 214.*

SECTION 214, AFTER LINE 117, INSERT AS FOLLOWS:

*The GCS and excavation required to place GCS will not be measured.*

SECTION 214, AFTER LINE 141, INSERT AS FOLLOWS:

*The geocell confining system, anchors, restraint clips, pins, necessary incidentals required to provide a complete in place system, and the Type 1B geotextile if required for the GCS, shall be included in the cost of subgrade treatment in accordance with 207.06.*