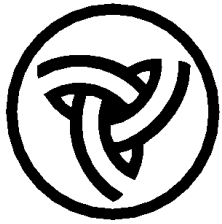


# TRANSPORTATION BULLETIN



Illinois Department of Transportation

## ADDENDUM NO. 1

Dated: July 22, 2010

For: Transportation Bulletin  
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Item No. 1A  
Saint Louis Downtown Airport  
Cahokia, Illinois  
St. Clair County  
Ill. Proj. No. CPS-3906  
AIP No. 3-17-0039-B22

### TO ALL PLAN HOLDERS:

#### Section III - Special Provisions,

Page 96 – ITEM AR209511 – Crushed Aggregate Base, (CA-1)

Entire Special Provision Revised.

#### Construction Plans,

All references to CA-1 in the Plans shall refer also to RR-1, if utilized. The aggregate selected shall be uniformly and exclusively used for the purpose of constructing the proposed subbase.

**ITEM AR209511**  
**CRUSHED AGGREGATE BASE, (CA-1)**  
 (Revised)

**DESCRIPTION**

This Item of work shall consist of placing oversized crushed aggregate to establish a stable subbase under the proposed pavement. The subbase will have a nominal depth of 8-inches. It shall be constructed on a prepared subgrade and stabilization fabric in accordance with these specifications and shall conform to the dimensions and typical cross sections shown on the Plans, to the lines and grades proposed. The oversize aggregate shall be installed in accordance to the Standard Specifications for Construction of Airports, Item 209 procedures, with the following exceptions, as outlined below.

**MATERIALS**

The oversize aggregate material shall be CA-1 coarse aggregate or RR-1 bedding material; be well graded and meet the gradations specified under Articles 1004.01 and 1005.01, respectively, in the Standard Specifications for Road and Bridge Construction adopted January 1, 2007; and as shown in the table below. A 3-in. top size will be the maximum allowed for the crushed aggregate material. The minimum quality of the aggregate used shall be in accordance with the respective table below. Higher quality materials may be used if readily available however no additional compensation allowed. All materials shall be obtained from IDOT approved source. Table 1 in Item 209 shall not apply.

<b>AGGREGATE GRADATIONS</b>												
Grad. No.	Sieve Size and Percent Passing											
	3 in.	2-1/2 in.	2 in.	1-1/2 in.	1 in.	3/4 in.	1/2 in.	3/8 in.	No. 4	No. 16	No. 50	No. 200
CA-1	100	95±5	60±15	15±15	3±3	-	-	-	-	-	-	-
RR-1	100	-	-	53±23	-	-	-	-	8±8	-	-	-

<b>AGGREGATE QUALITIES</b>	
<b>CA-1</b>	
<b>QUALITY TEST(IDOT D Quality)</b>	<b>PERCENT</b>
Na <sub>2</sub> SO <sub>4</sub> Soundness 5 Cycle, ASTM C 88 (Illinois Modified AASHTO T 104), Max. % Loss	25
Los Angeles Abrasion, ASTM C 131, Max. % Loss	45
<b>RR-1</b>	
<b>QUALITY TEST(IDOT B Quality)</b>	<b>PERCENT</b>
Na <sub>2</sub> SO <sub>4</sub> Soundness 5 Cycle, ASTM C 88 (Illinois Modified AASHTO T 104), Max. % Loss	25

209-2.2 ADDITIONAL FINE MATERIAL. Delete this section.

**CONSTRUCTION METHODS**

209-3.3 PLACING AND SPREADING.

A. Central Plant.

Delete: “Dumping from vehicles in piles on the underlying course which will require rehandling shall not be permitted.” and “Hauling over the uncompacted base course shall not be permitted.”

C. Method of Placing.

Add: “The oversize aggregate may be constructed in a single lift of 8-inch depth. The oversize crushed aggregate shall be constructed on top of the soil stabilization fabric, and shall be constructed to the line and elevations, as shown on the Construction Plans. The subbase course shall be consolidated to the satisfaction of the Resident Engineer, with a minimum of three passes with a steel-wheeled, vibratory roller. Nuclear density testing shall not be required on this material.”

209-3.7 SURFACE GRADE ACCURACY.

Revise this section to read “After the course has been completely consolidated, the surface shall be checked for accuracy of grade and crown and shall not vary by more than 1-inch from the surface elevations shown on the plans or authorized by the Engineer. Any failing areas shall be additionally graded, re-consolidated, and otherwise manipulated until the required accuracy is obtained.

208-3.8 THICKNESS CONTROL.

Revise this section to read “The course shall be constructed to the thickness shown in the plans. Four determinations of thickness shall be made for each lot of material placed. The lot size shall consist of 6,000 square yards. Each lot shall be divided into four equal sublots. One test shall be made for each subplot. Sampling locations will be determined by the Engineer on a random basis. Where the thickness is deficient by more than 10 %, the Contractor shall correct such areas at no additional cost by excavating to the required depth and replacing with new material; however, the surface elevation of the completed aggregate base course shall not exceed by more than 1-inch the surface elevation shown on the plans or authorized by the Engineer. Additional test holes may be required to identify the limits of the deficient areas.”

208-3.9 MAINTENANCE.

Revise this section to read “Following the completion of the subbase course, the Contractor shall perform all maintenance work necessary to keep the base course in a condition satisfactory prior to placement of the subsequent crushed aggregate base course. The surface shall be kept clean and free from foreign material, specifically mud and other debris resulting from the hauling

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operations. The base course shall be properly drained at all times. If cleaning is necessary, or if the subbase becomes disturbed, any work or restitution necessary shall be performed at the expense of the Contractor.”

### **BASIS OF PAYMENT**

Payment will be made at the contract unit bid price per ton of oversize aggregate, which price and payment will constitute full compensation for preparing subgrade, furnishing, hauling, and placing the materials; for spreading, consolidating, and rolling; and for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Item AR209511 Crushed Aggregate Base, (CA-1) - per ton