



June 15, 2022

Project No: 221016ICD

International Chem-Crete  
800 Security Row  
Richardson, Texas 75081

RE: HMA Core Inspection - ASP Cores  
ASTM D-7063  
Effective Porosity and Air Voids of HMA

Dear Al-Rashed

Attached you will find results on HMA tests from cores taken from the parking lot area at your facility. The cores were taken from a treated section of HMA and an untreated section of HMA. The treated cores were treated approximately 6 years prior (2016) with ASP topically. The cores were separated into lifts, in order to test the Effective Porosity and Effective Air Voids of Compacted Bituminous Mixture Samples, according to ASTM D7603. Our results were as follows:

Core No.	Treated/ Untreated	Bulk Specific Gravity	Apparent Specific Gravity	Percent Porosity, % Percent Air Voids, %
1	Treated	2.349	2.399	2.08
2	Treated	2.336	2.391	2.30
3	Untreated	2.299	2.382	3.53
4	Untreated	2.257	2.348	3.88

Based on the results, the ASP treatment appears to have an effect on raising the specific gravity of the HMA, thus lowering the air void and porosity structure. Please feel free to call should you have questions or if we may be of further assistance.

Sincerely,

A handwritten signature in blue ink that reads "Doug Clement". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Doug Clement  
President/CEO

DC/SF