



TESTING SERVICE CORPORATION

Geotechnical Engineering
 Environmental Services
 Construction Materials Engineering & Testing
 Laboratory Testing of Soils & Materials
 Subsurface Exploration

Carol Stream, Illinois

September 20, 1996

Mr. Dave Johnson
 Applied Concrete Technology, Inc.
 P.O. Box 4015
 Arlington Heights, Illinois 60006-4015

Re: L-40,504
 Laboratory Testing of
 Drilled Core Specimens

Dear Mr. Johnson:

Per your request, Testing Service Corporation has completed laboratory testing of drilled core specimens in accordance with the ASTM C 842-90, Standard Test Method for Specific Gravity, Absorption, and Voids in Hardened Concrete. The testing was performed on four (4) drilled core specimens which you provided to us. The drilled cores were 3.75 inches in diameter by approximately 4 inches long. Each core had been saw cut in half, lengthwise.

The core specimens were identified as follows:

Core Identification	Concrete Treatment
1C	Control
2C	1 Coat of Densifier
3C	2 Coats of Densifier
4C	Mix Water Conditioner & Densifier

The results of the laboratory testing are as follows:

Core	Absorption after Immersion (Percent)	Absorption after Immersion and Boiling (Percent)	Bulk Specific Gravity, Dry	Bulk Specific Gravity, after Immersion	Bulk Specific Gravity, after Immersion and Boiling	Apparent Specific Gravity	Percent Voids
1C	4.62	6.07	2.19	2.29	2.32	2.52	13.25
2C	4.74	6.60	2.18	2.28	2.33	2.55	14.40
3C	5.19	6.33	2.18	2.30	2.32	2.53	13.85
4C	5.27	5.42	2.25	2.37	2.37	2.56	12.16

CAROL STREAM, IL 60188-2492
 457 E. GUNDERSEN DRIVE
 (630) 653-3920
 FAX (630) 653-2726

BLOOMINGTON, IL 61704-8143
 2911 S.W. STREET, SUITE A1
 (309) 652-2215
 FAX (309) 662-2138

CARY, IL 60013-2978
 209 CLEVELAND STREET, UNIT C
 (847) 516-0505
 FAX (847) 516-0527

GURNEE, IL 60031-5906
 401 RIVERSIDE DRIVE, UNIT 10
 (847) 249-6040
 FAX (847) 249-6042

TINLEY PARK, IL 60477-1755
 18648 S. OAK PARK AVENUE
 (708) 429-2080
 FAX (708) 429-2144

It has been a pleasure to assist you with this work. Please call if there are any questions.

Sincerely Yours,

TESTING SERVICE CORPORATION

A handwritten signature in black ink, appearing to read 'Thomas Morris', is written over the typed name.

Thomas Morris P.E.
Vice President

TM:ro