Skidtest Enterprises, Inc.

17450 Lemac Street, Northridge, Ca 91325

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Skidtest@hotmail.com
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A REPORT OF SKIDTEST

BY CALIFORNIA TEST METHOD 342

TO DETERMINE THE FRICTION FACTOR

OF

STEEL ROAD PLATE TREATED WITH A FRICTION PRODUCING APPLICATION (SKIDGUARD ROAD-GRADE: A SKID-RESISTANT COATING) BY CARBONYTE SYSTEMS, INC.

FOR

CARBONYTE SYSTEMS, INC.

REQUESTED BY MR. VICTOR ISHIZAKI

DATE OF TESTING: APRIL 19, 2006
DATE OF REPORT: May 3, 2006

CONTENTS

INTRODUCTION

This report of testing has been prepared at the request of Mr. Victor Ishizaki representing the firm of Carbonyte Systems, Inc. The testing was done in the City of Sacramento, California at the Carbonyte Systems facility located at 9390 Elder Creek Road. The test was performed on a steel plate approximately five feet by ten feet by one inch thick. A portion of the steel plate approximately four feet by four feet had been treated with the friction producing process (Skidguard Road-Grade: a skid resistant coating) manufactured and installed by Carbonyte Systems.

The purpose of the testing was to establish the friction factor of the treated plate to determine if the product meets generally required friction factor specifications. Caltrans, the City of Los Angeles and numerous other cities and counties require steel plate bridging to have a friction factor of 0.35 or greater as determined by California Test Method 342.

THE SKID TEST MACHINE

The skid test machine used by Skidtest Enterprises for these tests was built in accordance with the plans and specifications developed by the MATERIALS ANT) RESEARCH DEPARTMENT, State of California, Division of Highways dated 09-30-1960 and revised 03-17-67. (Only the speedometer was changed, instead of a dial indicator the subject machine has a digital readout speedometer.)

Skidtest Enterprises Inc. is classified by Caltrans as Qualified Laboratory Number 141. The testing equipment, testing personnel and calibration process have been examined and approved by the Caltrans District 07 Independent Assurance unit. This classification is current and renewed annually.

THE TESTING PROCESS

The entire treated area was inspected before any testing was performed. From visual inspection it appeared that the surface characteristics were uniform and the product was well bonded to the steel plate. The plate was placed on a level concrete slab. The test machine was set up and three readings were taken. Each reading was approximately two feet from the previous one. No adjustment of test values was required because there was zero gradient. The average of the three readings constitutes one test result.

TEST RESULTS

The friction factor of the treated steel plate bridging was determined to be 0.39. This is well above the required minimum of 0.35.

CONCLUSIONS

Steel plate bridging treated with the friction producing process manufactured by Carbonyte Systems easily exceeds the minimum required friction factor of 0.35.

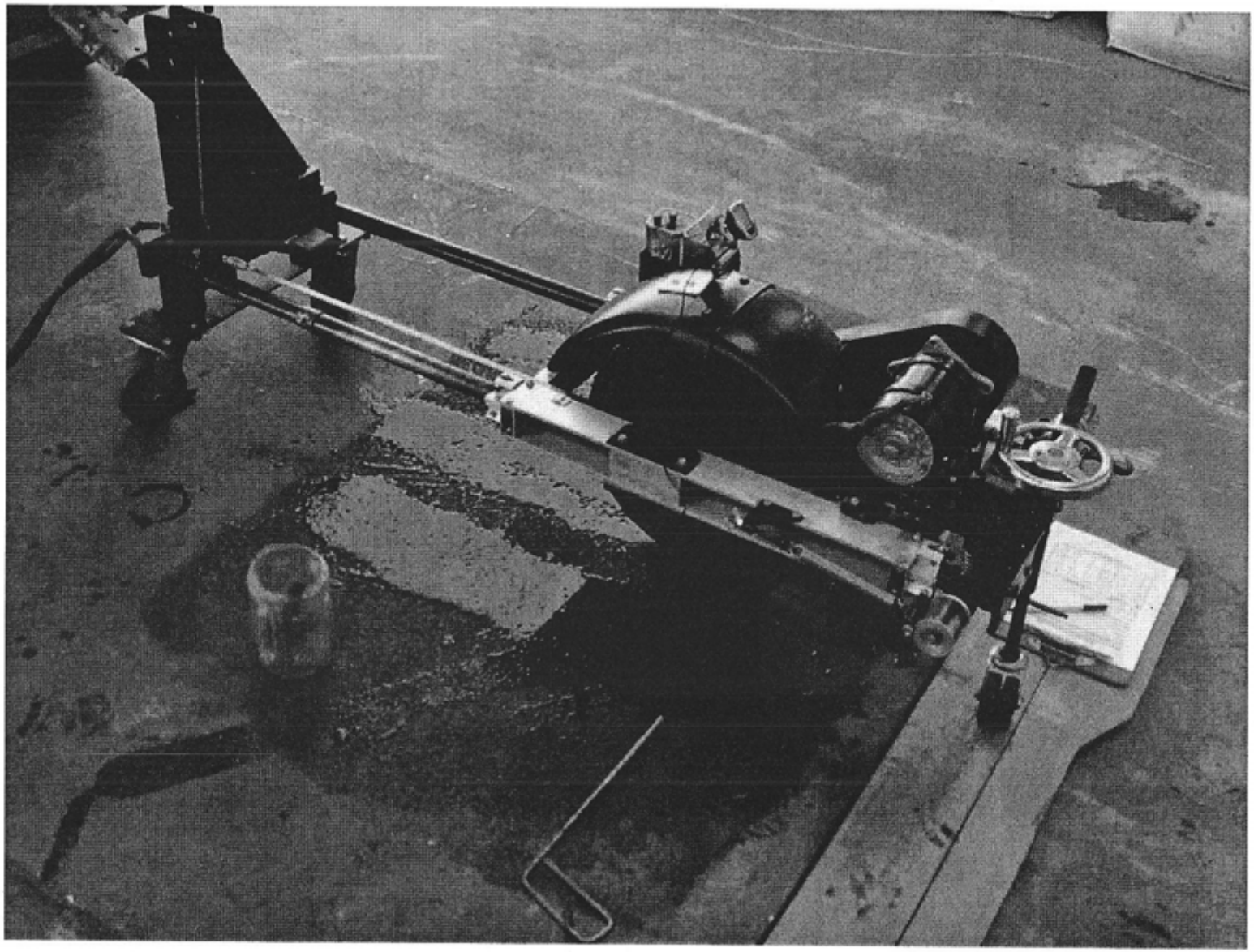
Skidtest Enterprises Inc. appreciates the opportunity to provide testing services for your firm. Any questions concerning the data or interpretation of this report should be directed to the undersigned.

Respectfully submitted,

Leslie R. Bergquist

Leslie R Bergquist

REGISTERED PROFESSIONAL ENGINEER
LESLIE R. BERGQUIST
No C 19952
Exp. 9/30/07
CIVIL
STATE OF CALIFORNIA



SKID TEST ENTERPRISES, INC.

SKID TEST REPORT, CALIFORNIA TEST METHOD NO. 342

Client No: 419 Sheet 1 of ____ Sheet(s)

Client Name: Carbonyte Systems Inc Phone: 916-387-0316

Location of Project: 9390 Elder Creek Road, Sacramento, Ca

Project Description: Skid Guard Road Grade

Description of surface tested: Steel Road Plate (with Carbonyte non skid Treatment)

Comments: Caltrans special Provisions (1-17-96) require Steel plate bridging to have a friction factor of ~0.35 or greater

RESULTS

Test By: Leslie Berggnist Test Date: 19 Apr. 2006 Avg. Air Temp: 58°F

TEST No.	TIES TO STATION BB, EB, & ETC	(% GRADE)	(TEST MEASUREMENT) MEASURED	CORRECTED	AVERAGE	REMARKS
A	38	0%	38	38		
B	41	0%	41	41	39	Pass
C	39	0%	39	39		

17450 LEMAC ST., NORTHRIDGE CA, 91325-4522
TELEPHONE: 818-757-0177

TL-0111 (Rev. 06-00; District 07, 07-00)

CALIFORNIA DEPARTMENT OF TRANSPORTATION

Presents this

CERTIFICATE OF PROFICIENCY

to

LES BERGQUIST

Skidtest Enterprises, Inc.

who is qualified to perform the following tests: EXPIRES

342 Surface Skid Resistance, Calif. Portable Skid Tester 12 August 2006

for: *Kirsten Stahl, District Materials Engineer*

by: Roberto Jarquin

Roberto Jarquin

Certified Independent Assurance

TL-0111 Issued : 12 August 2005

IA Phone No. : (909) 305-1689

IA Certificate No. : 062

note: This certificate is valid as long as the Acceptance Tester complies with applicable requirements in Caltrans *Independent Assurance Program* Manual.

State of California Department of Transportation

LABORATORY QUALIFICATION

Form TL-0113 (07 IA, 01-01)

Expiration date: August 12, 2006
Inspection by: Roberto Jarquin
IA No.: 62
Phone: (213)620-2039
File: Materials Category 500

Laboratory: Skidtest Enterprises, Inc.
Address: 17450 Lemac Street
City: Northridge State: CA Zip: 91325
Lab QC Mgr.: Leslie Bergquist e-mail: skidtest@hotmail.com
Lab Phone #: (818)609-9519 Fax #: (818)757-0177

A certified Independent Assurance (IA) Sampler and Tester visited this laboratory on August 12, 2005. Only equipment to be used on Caltrans construction projects and/or local construction projects on the National Highway System projects was checked for qualification.

At the time of Caltrans Qualification, this laboratory had all necessary equipment to perform the tests methods indicated below. Testing personnel shall be Caltrans Qualified and possess a current Caltrans Certificate of Proficiency Form TL-0111 prior to performing any sampling or testing.

CT 342

A visual check was performed and documents provided as necessary for the following items:

- ☒ Facility Safety Manual
- ☒ Laboratory Procedures Manual
- ☒ Laboratory Quality Control Manual
- ☒ Proper Test Equipment
- ☒ Copies of Current (applicable) Test Procedures
- ☒ Calibration and Service Documentation
- ☒ Calibration/Service Stickers affixed to test equipment (dated within the last 12 months)

On August 12, 2005 this laboratory was qualified by Roberto Jarquin

Roberto Jarquin
(IA Signature)