DIVISION OF
ENGINEERING SERVICES
OFFICE OF GEOTECHNICAL SUPPORT
GEOTECHNICAL LABORATORY
5900 Folsom Boulevard
Sacramento, CA 95819

Date: 5/2/2008

To: TM Liao / GDS-2

From: Lilibeth C. Purta / (916) 227-5239

RE: Laboratory Test Report -- EA: 11-080121
GL 08-041

Final test results.

Note: All remaining test specimens will be disposed of in 30 calendar days from the release date of the final test results.

AASHTO R18

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL SUPPORT
GEOTECHNICAL LABORATORY

UNCONFINED COMPRESSION TEST (ASTM D2938)

JOB LOCATION: 11-SD-76-9.6 GL 08-041
JOB NUMBER: 11-080121 San Luis River Bridge Br. # 57-0957

DATE: 4/15/2008
TEST BY: MJS
CHECKED BY: VP 5/2/08

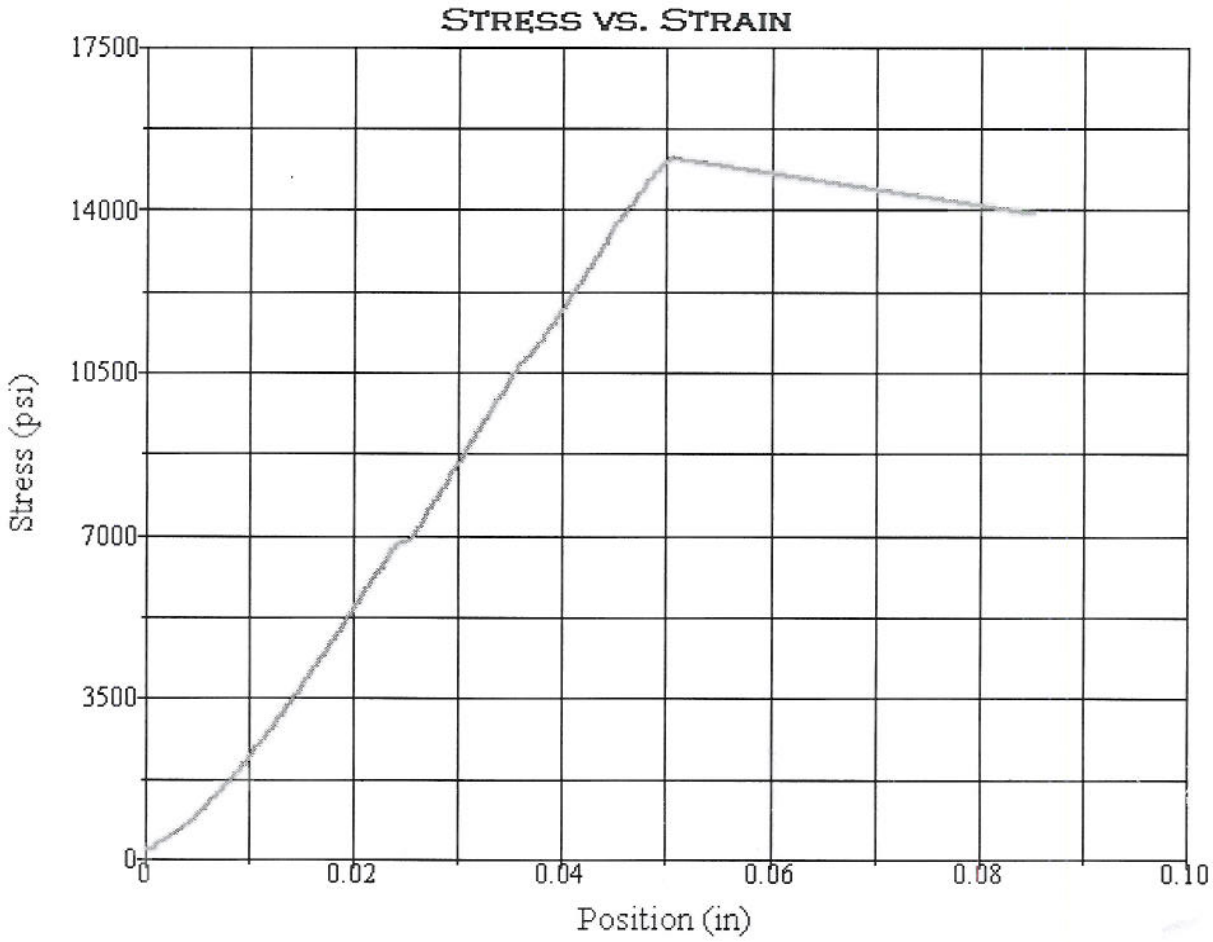
SAMPLE NO.	DEPTH FT.	DIA. IN.	LENGTH IN.	L/D RATIO	WEIGHT LBS.	LOAD LBS.	DENSITY PCF	STRENGTH PSI	REMARKS
R-08-18-12 *	40.5-41	2.40	5.68	2.37	2.62	68413	176	15125	Granite
R-08-18-14 *	51.5-52	2.40	5.68	2.37	2.62	64745	176	14314	Granite
R-08-18-15 *	58.5-59	2.40	5.68	2.37	2.67	64324	180	14221	Granite
R-08-19-13 *	52-52.5	2.38	5.20	2.18	2.32	23706	173	5330	Granite
R-08-19-14 *	58.5-59	2.38	5.69	2.39	2.43	2893	166	650	Decomposing Granite
R-08-19-15 *	62-62.5	2.37	5.65	2.38	2.49	8923	173	2023	Decomposing Granite
R-08-19-16 *	67-67.5	2.33	5.42	2.33	2.41	27478	180	6446	Granite

* Test was done at the the concrete lab, no moistures recorded

** Sample fell apart while preparing for testing -- Not suitable for testing

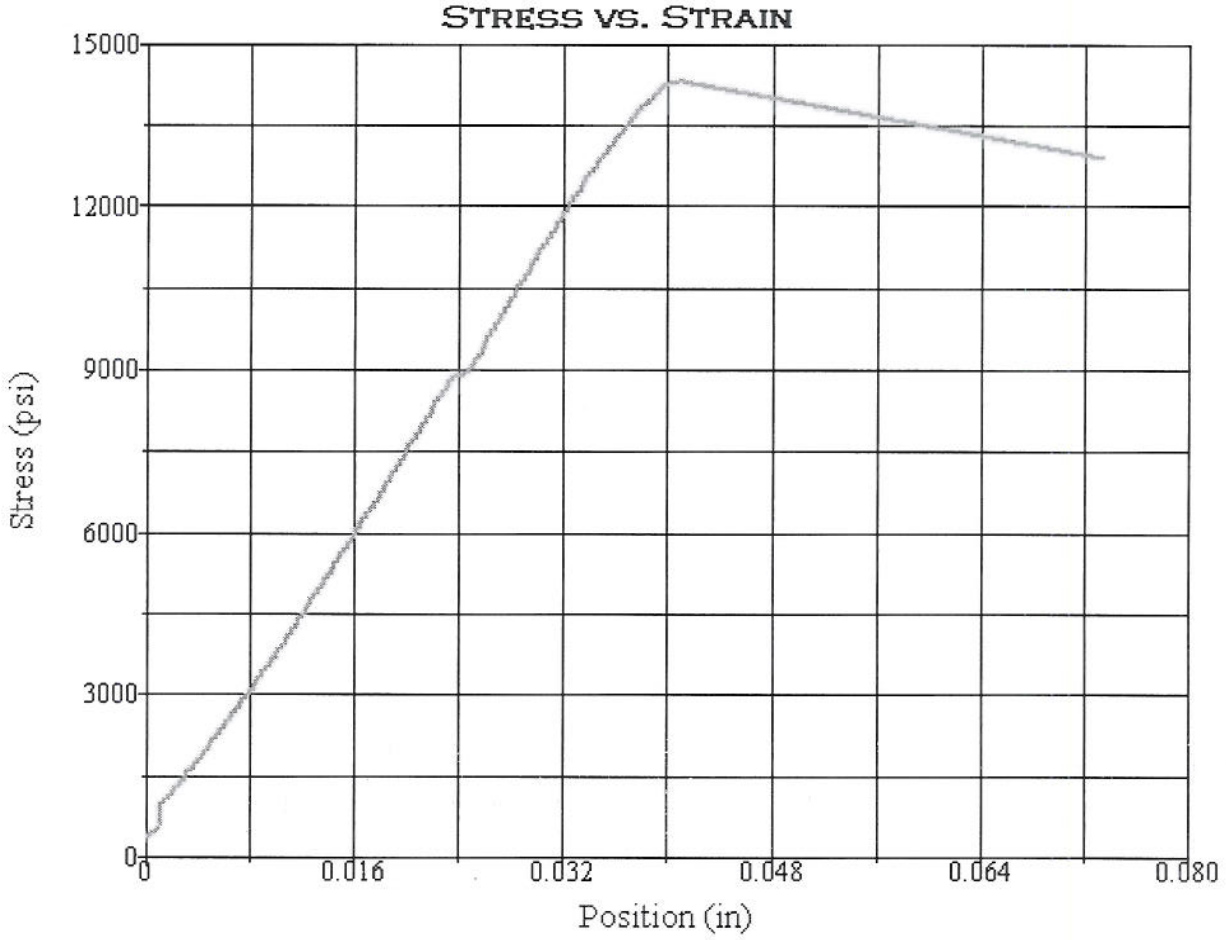
*** Sample received very dried out -- Test results may not represent the true soil conditions

**** The test specimen length/diameter ratio was not in compliance with the test method



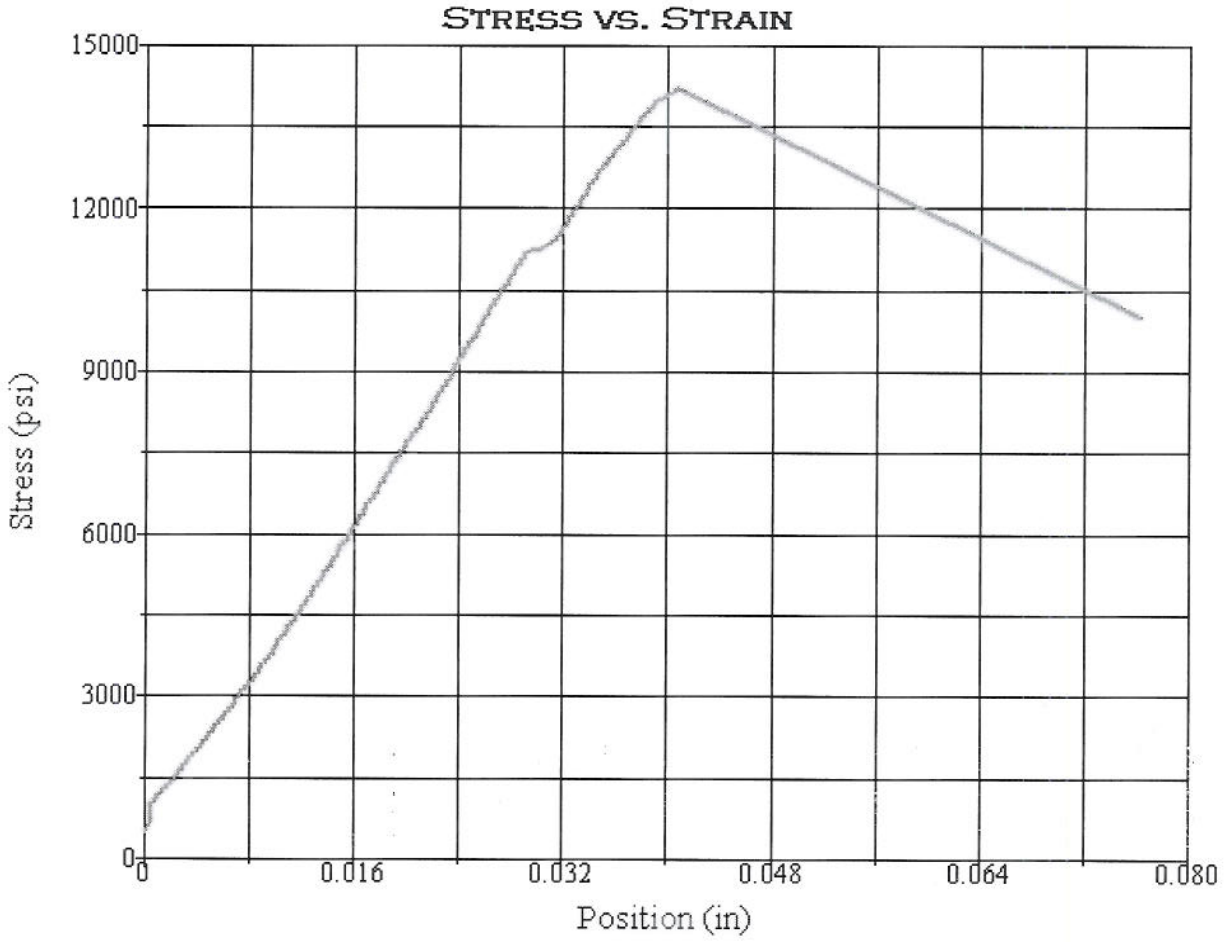
Test Summary	
Counter:	1482
Elapsed Time:	00:07:03
Operator:	MJS/KS
Sample:	R-08-18-12
Resident Engineer:	Yung Chung
Ticket:	Q08-106
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	10:39:09 AM
End Date:	4/29/2008
End Time:	10:46:12 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6800 in
Diameter:	2.4000 in
Area:	4.5239 in^2
Maximum Load:	68413 lbf
Compressive Strength:	15123 psi



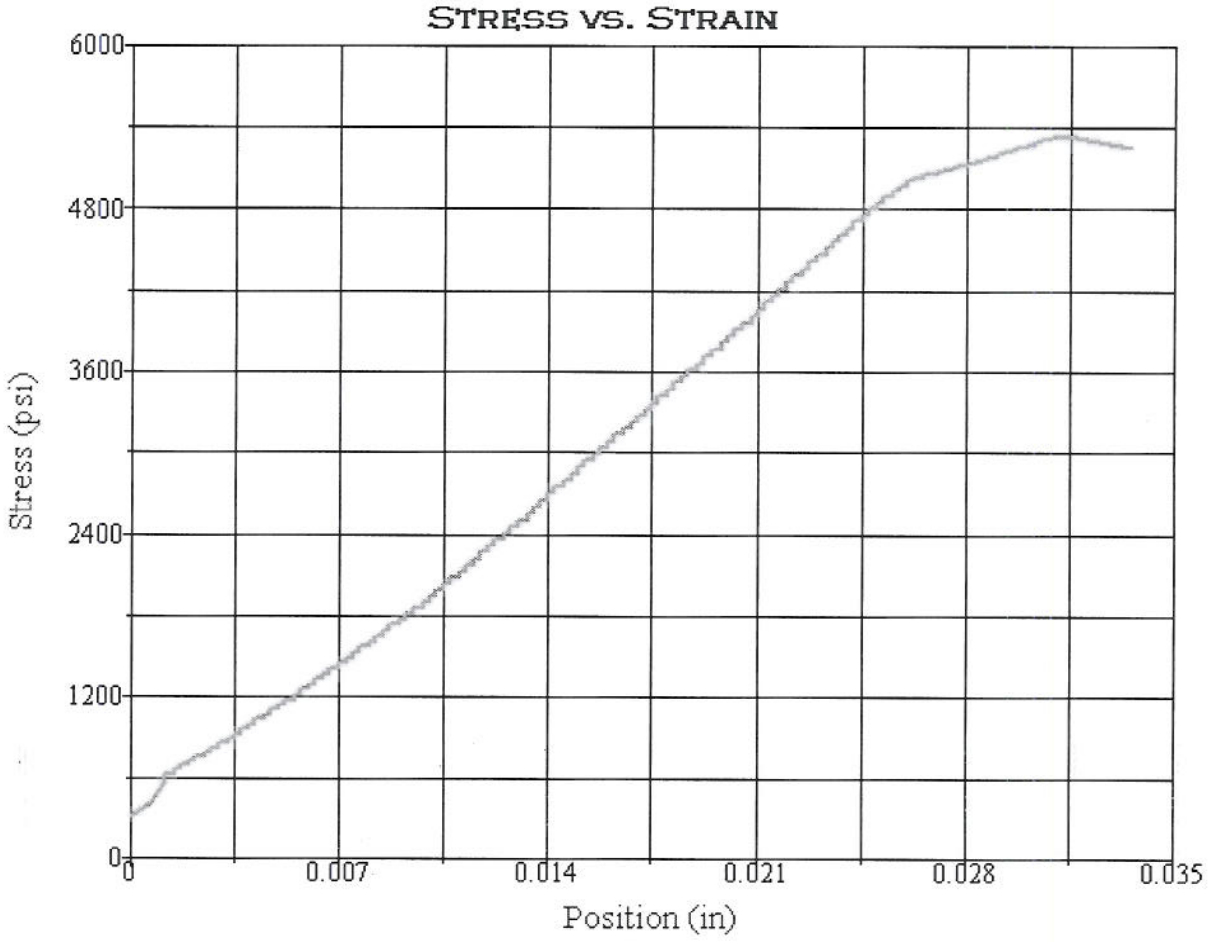
Test Summary	
Counter:	1483
Elapsed Time:	00:06:23
Operator:	MJS/KS
Sample:	R-08-18-14
Resident Engineer:	Yung Chung
Ticket:	Q08-107
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	10:50:52 AM
End Date:	4/29/2008
End Time:	10:57:15 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6800 in
Diameter:	2.4000 in
Area:	4.5239 in²
Maximum Load:	64745 lbf
Compressive Strength:	14312 psi



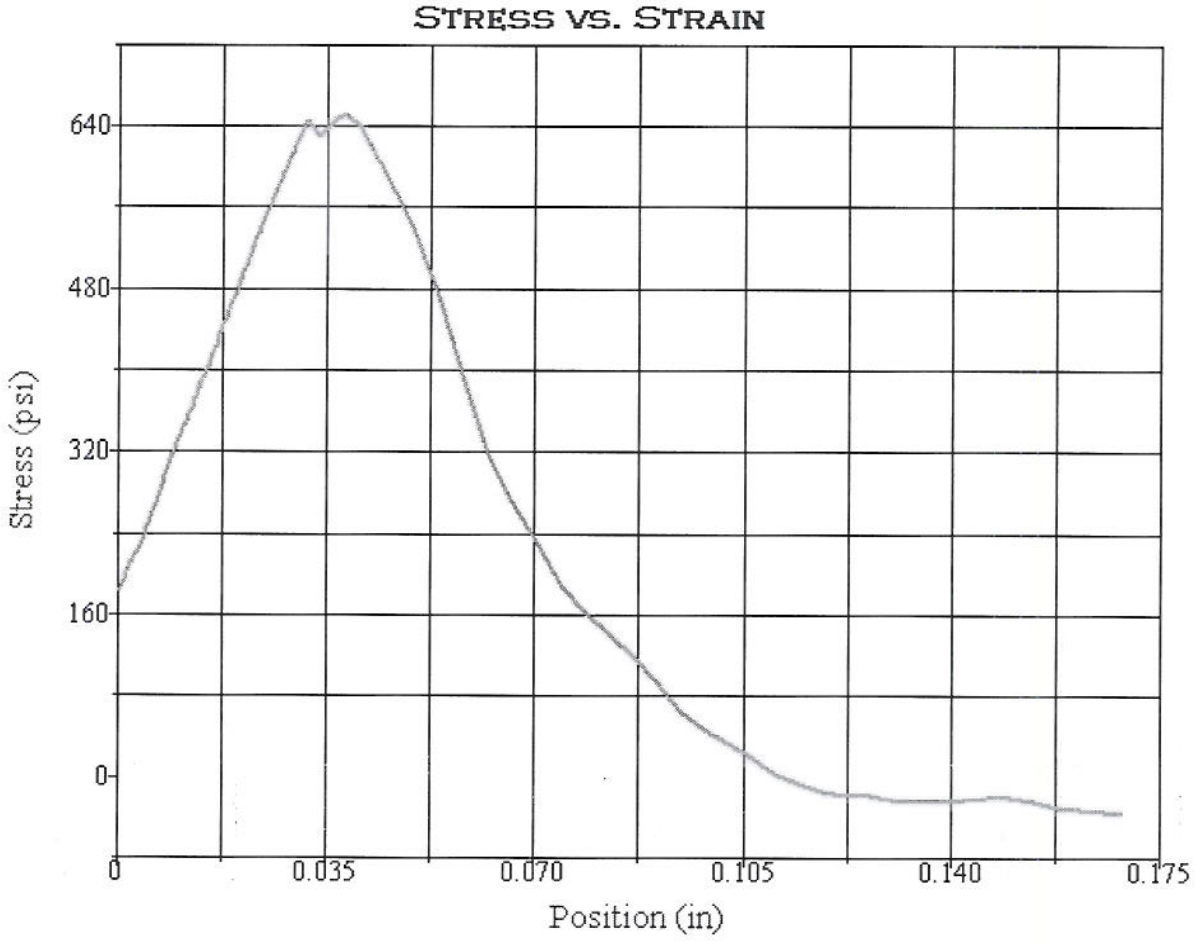
Test Summary	
Counter:	1484
Elapsed Time:	00:06:18
Operator:	MJS/KS
Sample:	R-08-18-15
Resident Engineer:	Yung Chung
Ticket:	Q08-108
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:00:59 AM
End Date:	4/29/2008
End Time:	11:07:17 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6800 in
Diameter:	2.4000 in
Area:	4.5239 in^2
Maximum Load:	64324 lbf
Compressive Strength:	14219 psi



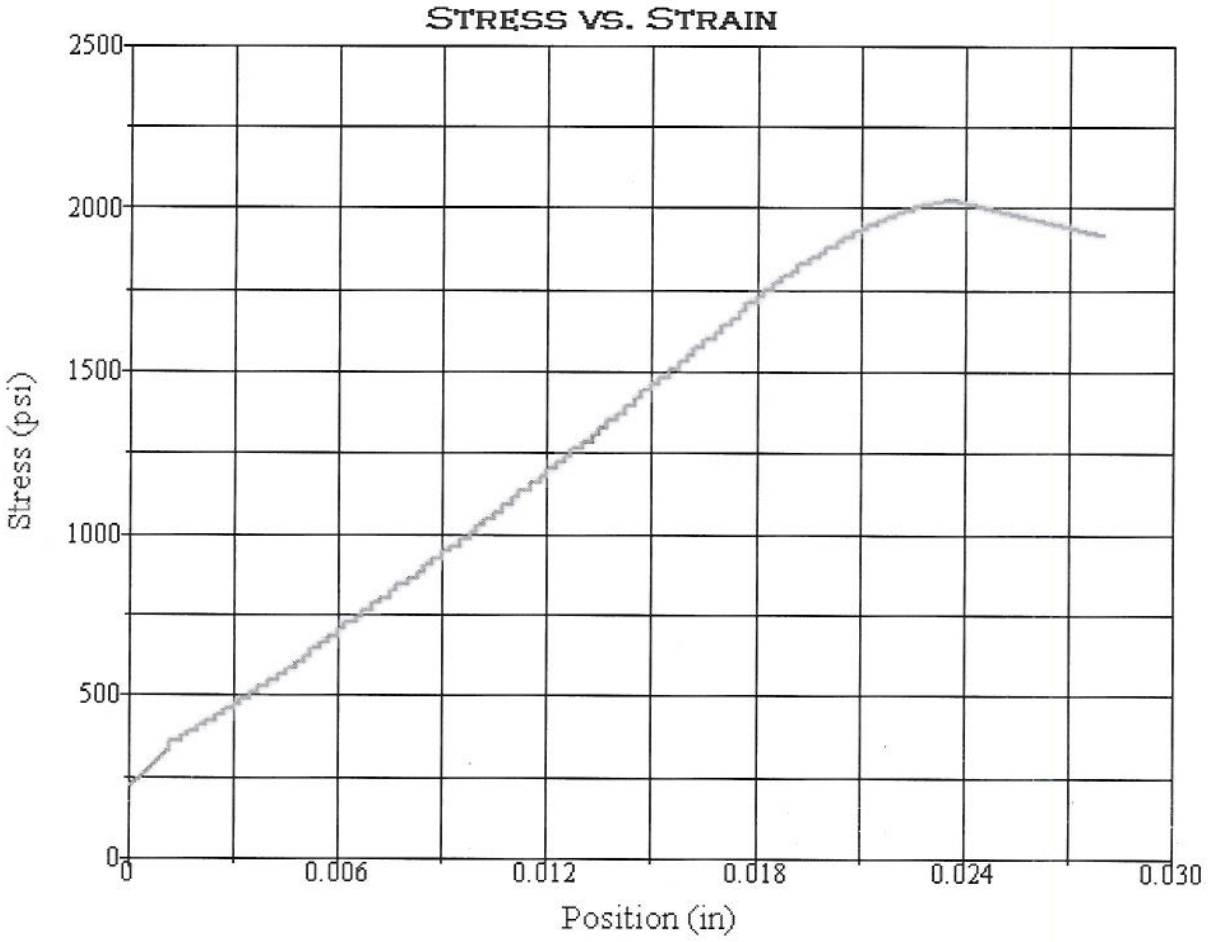
Test Summary	
Counter:	1485
Elapsed Time:	00:02:15
Operator:	MJS/KS
Sample:	R-08-19-13
Resident Engineer:	Yung Chung
Ticket:	Q08-109
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:10:08 AM
End Date:	4/29/2008
End Time:	11:12:23 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.2000 in
Diameter:	2.3800 in
Area:	4.4488 in^2
Maximum Load:	23706 lbf
Compressive Strength:	5329 psi



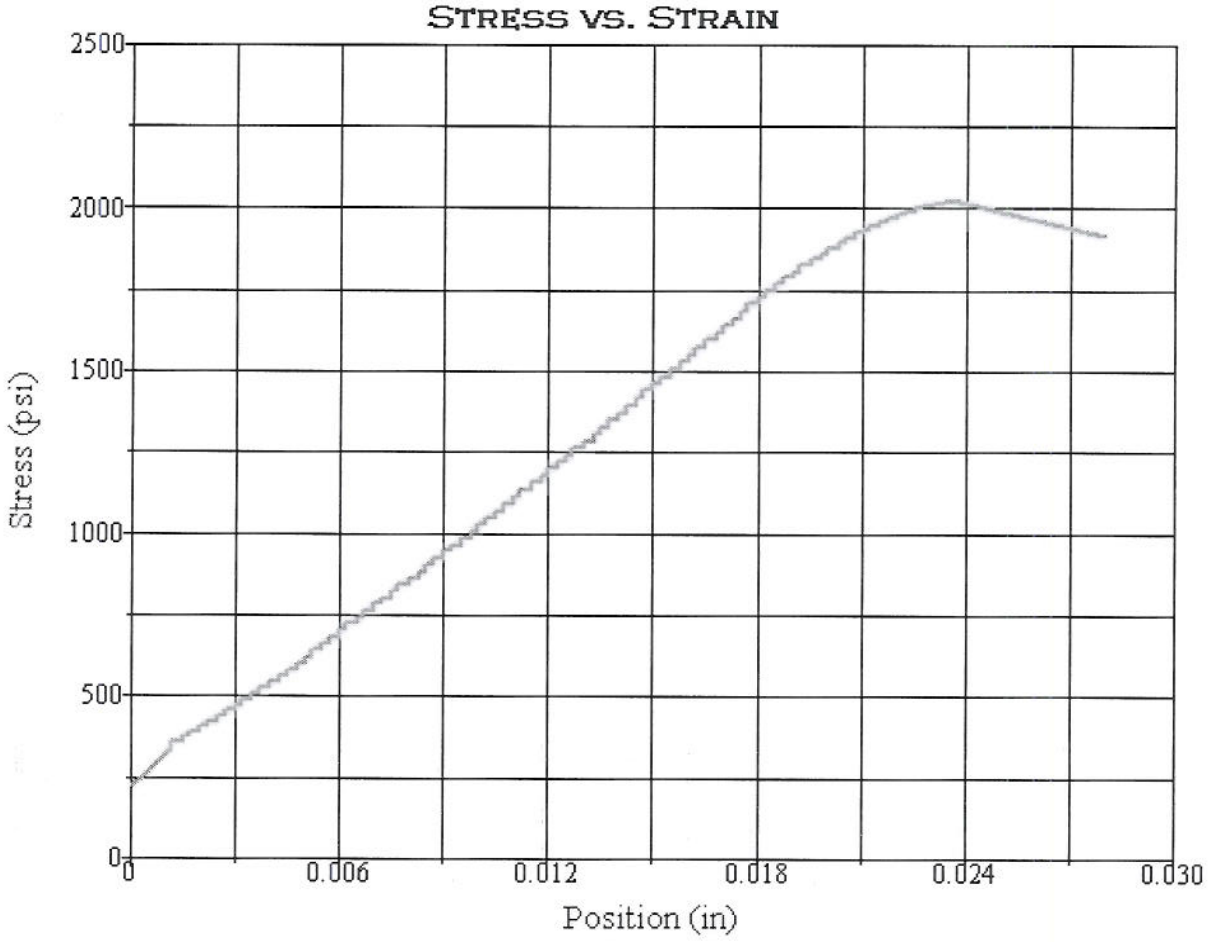
Test Summary	
Counter:	0
Elapsed Time:	00:00:15
Operator:	MJS/KS
Sample:	R-08-19-14
Resident Engineer:	Yung Chung
Ticket:	Q08-110
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:14:42 AM
End Date:	4/29/2008
End Time:	11:14:57 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6900 in
Diameter:	2.3800 in
Area:	4.4488 in^2
Maximum Load:	2893 lbf
Compressive Strength:	650 psi



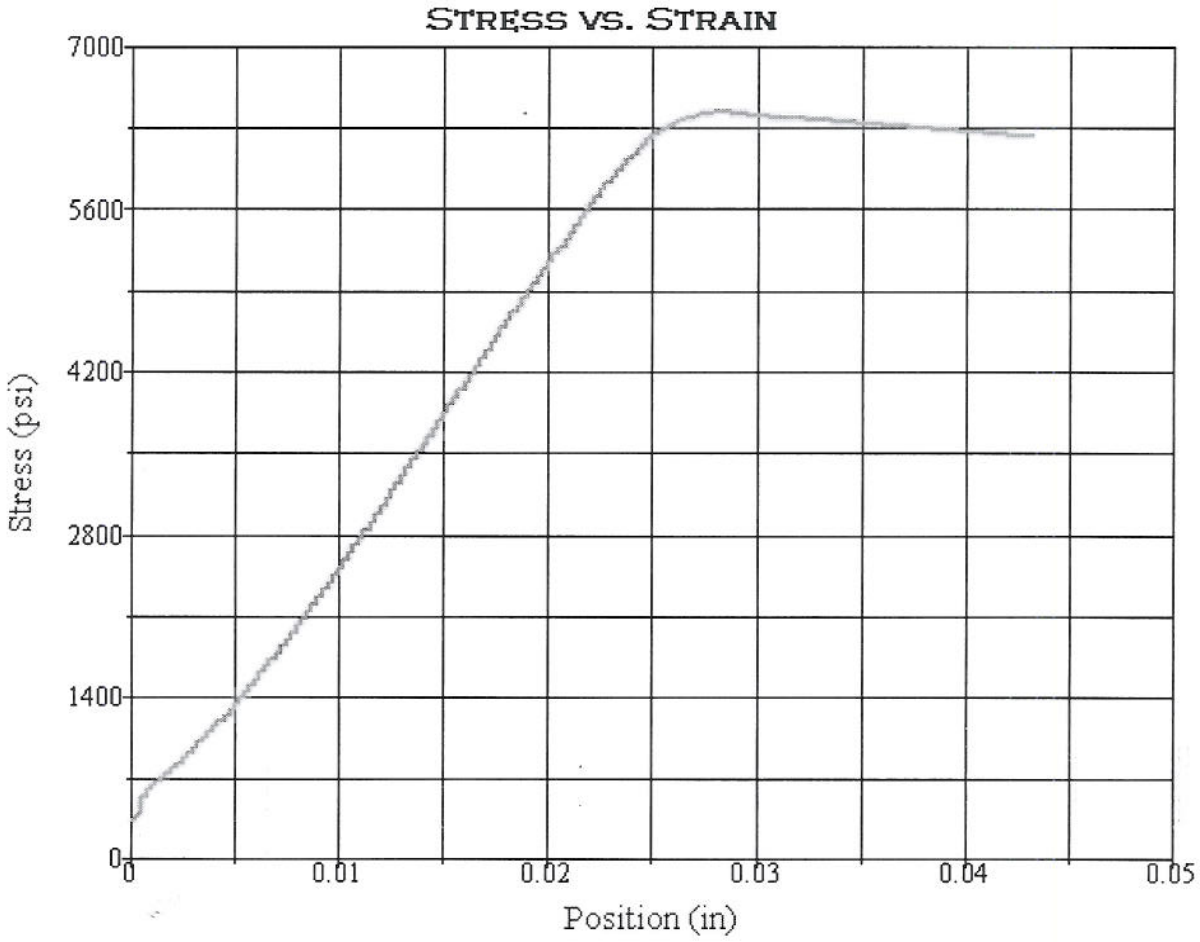
Test Summary	
Counter:	1487
Elapsed Time:	00:00:49
Operator:	MJS/KS
Sample:	R-08-19-15
Resident Engineer:	Yung Chung
Ticket:	Q08-111
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:18:11 AM
End Date:	4/29/2008
End Time:	11:19:00 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6500 in
Diameter:	2.3700 in
Area:	4.4115 in²
Maximum Load:	8923 lbf
Compressive Strength:	2023 psi



Test Summary	
Counter:	1487
Elapsed Time:	00:00:49
Operator:	MJS/KS
Sample:	R-08-19-15
Resident Engineer:	Yung Chung
Ticket:	Q08-111
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:18:11 AM
End Date:	4/29/2008
End Time:	11:19:00 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.6500 in
Diameter:	2.3700 in
Area:	4.4115 in^2
Maximum Load:	8923 lbf
Compressive Strength:	2023 psi



Test Summary	
Counter:	1489
Elapsed Time:	00:02:50
Operator:	MJS/KS
Sample:	R-08-19-16.
Resident Engineer:	Yung Chung
Ticket:	Q08-112
E.A./CONTRACT NUMBER:	11-080121
Procedure Name:	Cores test
Start Date:	4/29/2008
Start Time:	11:24:09 AM
End Date:	4/29/2008
End Time:	11:26:59 AM
Workstation:	DB2NV5D1
Tested By:	concrete
Lab:	Concrete

Test Results	
Specimen Gage Length:	5.4200 in
Diameter:	2.3300 in
Area:	4.2638 in²
Maximum Load:	27478 lbf
Compressive Strength:	6444 psi