

11/13/2006

Material Testing and Non-Destructive Testing

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**Date Received:** 11/6/2006

**P.O. No.:** Verbal

**W/O No.:** ABT002-11-06-17608-6

**Date Tested:** 11-13-06  
**ABT Part No.:** 2501/2511  
**Part Description:** Cast Solid Cover/with Frame  
**Part Dimensions:** 4.88 W x 19.65 L x 0.75 H  
**Trench Width:** 4 in  
**Test Procedure:** Modified AASHTO M306-04 with trench width compensation  
**Test Block Dimensions:** 3 x 9  
**Test Block Location:** Centered on the top surface of the grate  
**Buffer Material:** 7/8 in thick oriented strand board (same dimension as test block)  
**Settling Load:** 50% of proof load, remove load, zero deflection setting  
**Proof Load Test:** Load for 60 sec., remove, measure permanent deflection, inspect for cracks  
**Approval Criteria:** Maximum permanent deflection of 5% of trench width and no cracks at proof load


**COMPRESSION TEST**

Sample Number	Proof Load (LBS)	Equivalent Pressure (PSI)	Permanent Deflection (in)	Ultimate Failure Load (LBS)	Equivalent Pressure (PSI)	Test Results
1	8,100	300	-.0155	104,600	3874	Pass
2	*	*	*	71,500	*	-

The test on Sample 1 listed on this certification has been performed in accordance with Customer Requirements and the test conforms.

\*Operator Error occurred during testing leaving no results possible.

Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. The analysis reported on this certification has been performed in accordance with QAM 4th Edition Rev. 0 Dated 2/22/06 and related procedures. The samples tested on this certification are certified only for the testing performed. This report is the confidential property of our client and may not be used for advertising purposes. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. Sample remnants are held for a minimum of 30 days following issuance of test results, at which point they will be discarded unless notified in writing by the client.

Respectfully Submitted  
  
**Sam Jackins**  
 General Manager