



## Report of Threaded Rod Anchor Pullout Test

**Client:** Bonstone Material Corporation  
**Project No.:** 0611892

**Report No.:** 902317  
**Date of Service:** June 30, 2006

**Stone Type:** Indiana Limestone  
**Adhesive:** Fast Set Extreme Epoxy

**Test Method:** ASTM C 1354, Standard Test Method for Strength of Individual Stone Anchorages in Dimension Stone

**Calculation:** Anchorage system load = Test machine load

**Loading:** Constant rate of loading at 600 lbs./minute until failure

**Anchor Description:** 1/4" diameter threaded rod with nominal 1" embedment

### Nominal Dimensions:

| Length<br>(inches) | Width<br>(inches) | Thickness<br>(inches) |
|--------------------|-------------------|-----------------------|
| 12                 | 12                | 2.00                  |

**Conditioning:** Tested in an "as is" condition

**Finish:** Honed

| Sample Number                         | Failure Mode                  | Anchorage System Load (lbf.) |
|---------------------------------------|-------------------------------|------------------------------|
| 1                                     | Stone fracture through anchor | 1,445                        |
| 2                                     | 6" cone                       | 1,715                        |
| 3                                     | Stone fracture through anchor | 1,387                        |
| 4                                     | Stone fracture through anchor | 1,641                        |
| 5                                     | 3" cone                       | 1,586                        |
| <b>Average Anchorage System Load:</b> |                               | <b>1,555</b>                 |
| Standard Deviation:                   |                               | 136                          |
| Variance (percent):                   |                               | 8.75                         |