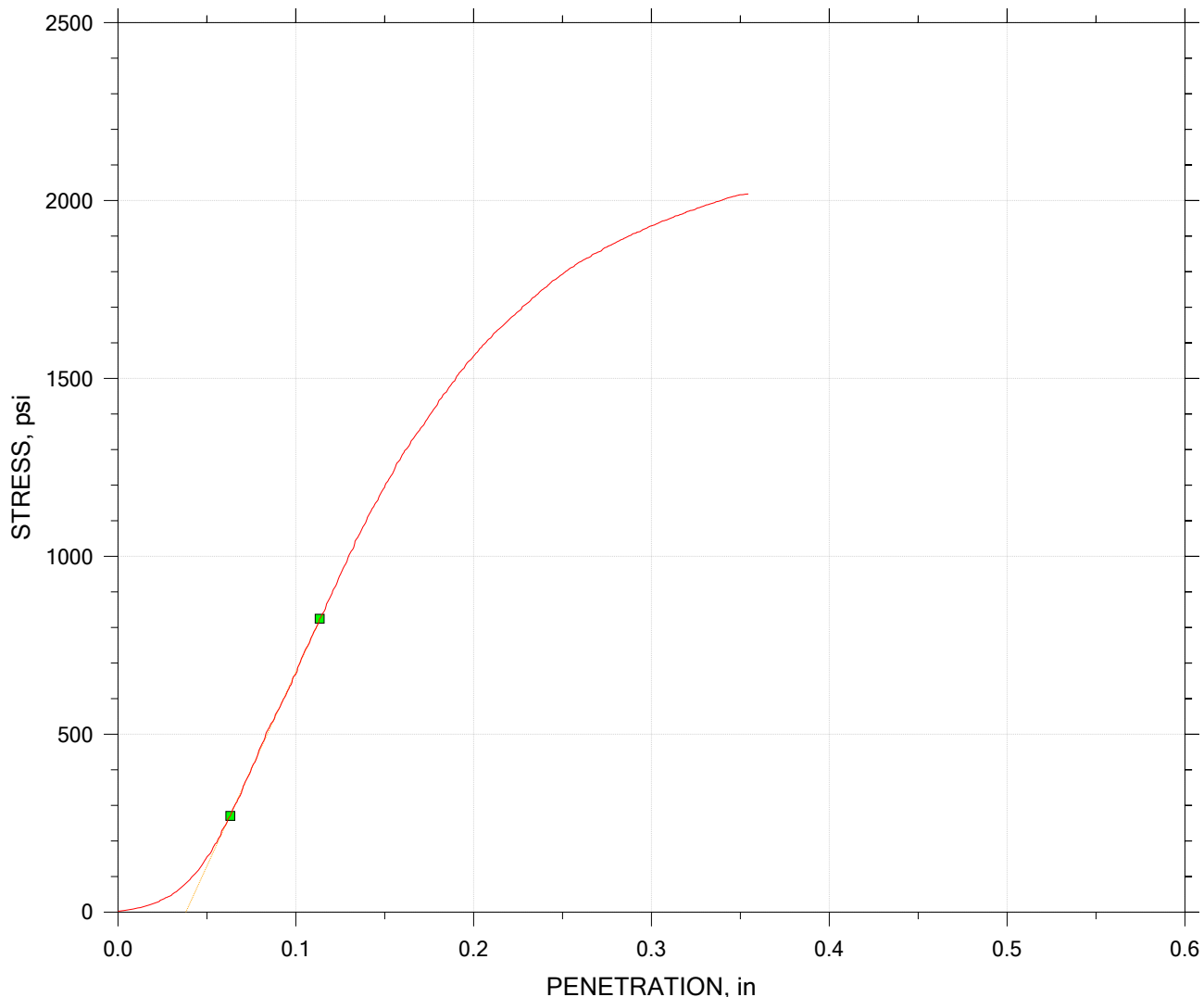



CALIFORNIA BEARING RATIO TEST REPORT



| | |
|--------------------------------|---------|
| Sample Height, in | 4.58 |
| Sample Area, in ² | 28.274 |
| Sample Volume, ft ³ | 0.07494 |
| Sample Mass, gm | 4796.8 |
| Sample Condition | Soaked |
| Swell, % | 0.50 |
| Surcharge, gm | 4536 |
| Void Ratio | 0.32 |
| Wet Unit Weight, pcf | 141.11 |
| Dry Unit Weight, pcf | 125.72 |


| California Bearing Ratio | | |
|--------------------------|----------------|----------------|
| at 0.1 in: 109 | at 0.3 in: 105 | at 0.5 in: N/A |
| at 0.2 in: 117 | at 0.4 in: N/A | |

| Water Content | Before | After | Average | Soaked |
|--------------------------|--------|--------|---------|--------|
| Tare ID | 2521 | 2420 | | 8032 |
| Tare Mass, gm | 8.12 | 8.25 | | 8.29 |
| Mass Tare + Wet Soil, gm | 377.62 | 254.86 | | 276.71 |
| Mass Tare + Dry Soil, gm | 347.21 | 221.72 | | 249.07 |
| Water Content, % | 8.97 | 15.52 | 12.25 | 11.48 |

| | | | |
|---|--|-----------------------|---------------------|
|  | Project: CBR | Location: Place, USA | Project No.: CBR123 |
| | Boring No.: Composite | Tested By: ab | Checked By: xy |
| | Sample No.: CD/SC-SB-44 | Test Date: 03/01/2018 | Depth: 0-4 ft |
| | Test No.: CBR-7 | Sample Type: remolded | Elevation: --- |
| | Description: Dry, reddish brown silty sand | | |
| | Remarks: Target Compaction: 101% of Maximum Dry Density (128.5 pcf) at Optimum Moisture Content (9.0%) | | |
| | | | |

CALIFORNIA BEARING RATIO TEST REPORT

| | Time min | Stress psi | Correction in | Penetration in |
|----|-------------|---------------|------------------|-------------------|
| 1 | 0.00000 | 2.3592 | 0.00000 | 0.00000 |
| 2 | 0.012500 | 2.9036 | 0.00000 | 0.00039696 |
| 3 | 0.020833 | 2.9036 | 0.00000 | 0.00089315 |
| 4 | 0.033333 | 3.2665 | 0.00000 | 0.0016374 |
| 5 | 0.041667 | 3.4480 | 0.00000 | 0.0018359 |
| 6 | 0.050000 | 3.8110 | 0.00000 | 0.0022825 |
| 7 | 0.062500 | 4.1739 | 0.00000 | 0.0028779 |
| 8 | 0.070833 | 4.3554 | 0.00000 | 0.0032253 |
| 9 | 0.083333 | 4.7183 | 0.00000 | 0.0039199 |
| 10 | 0.091667 | 5.0813 | 0.00000 | 0.0042673 |
| 11 | 0.10000 | 5.4442 | 0.00000 | 0.0046146 |
| 12 | 0.11250 | 5.9887 | 0.00000 | 0.0049620 |
| 13 | 0.12083 | 5.9887 | 0.00000 | 0.0050612 |
| 14 | 0.13333 | 6.7146 | 0.00000 | 0.0060536 |
| 15 | 0.14167 | 7.0775 | 0.00000 | 0.0067483 |
| 16 | 0.15000 | 7.4405 | 0.00000 | 0.0072445 |
| 17 | 0.16250 | 7.9849 | 0.00000 | 0.0079391 |
| 18 | 0.17083 | 8.3478 | 0.00000 | 0.0082368 |
| 19 | 0.18333 | 9.0737 | 0.00000 | 0.0087330 |
| 20 | 0.19167 | 9.2552 | 0.00000 | 0.0089315 |
| 21 | 0.20000 | 9.6181 | 0.00000 | 0.0092292 |
| 22 | 0.21250 | 10.163 | 0.00000 | 0.0099239 |
| 23 | 0.22083 | 10.888 | 0.00000 | 0.010420 |
| 24 | 0.23333 | 11.614 | 0.00000 | 0.011065 |
| 25 | 0.24167 | 12.159 | 0.00000 | 0.011710 |
| 26 | 0.25000 | 12.522 | 0.00000 | 0.012455 |
| 27 | 0.26250 | 13.429 | 0.00000 | 0.013298 |
| 28 | 0.27083 | 13.792 | 0.00000 | 0.013546 |
| 29 | 0.28333 | 14.699 | 0.00000 | 0.014092 |
| 30 | 0.29167 | 15.244 | 0.00000 | 0.014290 |
| 31 | 0.30000 | 15.788 | 0.00000 | 0.014588 |
| 32 | 0.31250 | 16.877 | 0.00000 | 0.015184 |
| 33 | 0.32083 | 17.422 | 0.00000 | 0.015928 |
| 34 | 0.33333 | 18.147 | 0.00000 | 0.016523 |
| 35 | 0.34167 | 18.510 | 0.00000 | 0.016672 |
| 36 | 0.35000 | 19.599 | 0.00000 | 0.017218 |
| 37 | 0.36250 | 20.507 | 0.00000 | 0.017714 |
| 38 | 0.37083 | 21.233 | 0.00000 | 0.017863 |
| 39 | 0.38333 | 22.140 | 0.00000 | 0.018409 |
| 40 | 0.39167 | 22.866 | 0.00000 | 0.019004 |
| 41 | 0.40000 | 23.410 | 0.00000 | 0.019798 |
| 42 | 0.41250 | 24.681 | 0.00000 | 0.020443 |
| 43 | 0.42083 | 25.043 | 0.00000 | 0.020642 |
| 44 | 0.43333 | 26.495 | 0.00000 | 0.021535 |
| 45 | 0.44167 | 27.221 | 0.00000 | 0.021882 |
| 46 | 0.45000 | 27.947 | 0.00000 | 0.022230 |
| 47 | 0.46250 | 29.217 | 0.00000 | 0.022775 |
| 48 | 0.47083 | 29.943 | 0.00000 | 0.023073 |
| 49 | 0.48333 | 31.395 | 0.00000 | 0.023470 |
| 50 | 0.49167 | 31.758 | 0.00000 | 0.023520 |

| | | | |
|---|--|-----------------------|---------------------|
|  | Project: CBR | Location: Place, USA | Project No.: CBR123 |
| | Boring No.: Composite | Tested By: ab | Checked By: xy |
| | Sample No.: CD/SC-SB-44 | Test Date: 03/01/2018 | Depth: 0-4 ft |
| | Test No.: CBR-7 | Sample Type: remolded | Elevation: --- |
| | Description: Dry, reddish brown silty sand | | |
| | Remarks: Target Compaction: 101% of Maximum Dry Density (128.5 pcf) at Optimum Moisture Content (9.0%) | | |