



Project : Disposal area site adjacent to the Brownsville Ship channel for the  
Brazos Island Harbor project near Brownsville, Texas  
Contract No. DACW64-92-D-0001 Delivery order No. 0025

# SUMMARY OF LABORATORY TEST RESULTS

Boring No. 92-107

| S # | Depth<br>(ft) | P P<br>(tsf) | SPT<br>Blows<br>per<br>Foot | Visual<br>Classification                         | U S C | M c<br>(%) | Dry<br>Unit<br>Wt<br>(pcf) | Wet<br>Unit<br>Wt<br>(pcf) | L L<br>(%) | P L<br>(%) | Mechanical Analysis<br>% Passing |      |      |      |      | Torvane<br>Shear<br>Strength<br>(tsf) | q u<br>(tsf) |
|-----|---------------|--------------|-----------------------------|--------------------------------------------------|-------|------------|----------------------------|----------------------------|------------|------------|----------------------------------|------|------|------|------|---------------------------------------|--------------|
|     |               |              |                             |                                                  |       |            |                            |                            |            |            | #4                               | #10  | #40  | #100 | #200 |                                       |              |
| 1   | 0-2           | 3.00         |                             | Brown,Clay,Very stiff,w/mica                     | CH    | 21.7       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 2   | 2-4           | 1.75         |                             | Brown,Clay,Stiff,w/sand seams                    | CH    | 30.1       | 93.9                       | 122.1                      | 65         | 26         | 99.9                             | 99.3 | 98.6 | 96.6 | 93.9 |                                       |              |
| 3   | 4-6           | 1.00         |                             | Brown&gray,Clay,Stiff,w/sand seams&gravel        | CH    | 24.6       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 4   | 6-8           | 0.75         |                             | Olive gray,Clay,Medium stiff,Sandy,w/sand seams  | CL    | 19.7       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 5   | 8-10          | 1.00         |                             | Brown,Clay,Stiff,w/sand seams                    | CH    | 36.4       | 84.1                       | 114.7                      | 65         | 27         | 99.9                             | 99.5 | 99.1 | 96.2 | 93.9 |                                       |              |
| 6   | 10-12         | 1.25         |                             | Olive gray&brown,Clay,Stiff,w/sand seams         | CH    | 29.5       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 7   | 12-14         | 0.50         |                             | Gray,Clay,Medium stiff,w/soft calcareous nodules | CH    | 26.1       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 8   | 14-16         | 1.25         |                             | Brown&gray,Clay,Stiff,w/mica                     | CH    | 30.6       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 9   | 16-18         | 1.25         |                             | Brown,Clay,Stiff,w/sand seams                    | CH    | 30.1       | 91.5                       | 119.1                      | 51         | 22         |                                  |      |      |      |      |                                       |              |
| 10  | 18-20         | 0.75         |                             | Brown,Clay,Medium stiff                          | CH    | 39.7       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 11  | 20-22         | 0.50         |                             | Olive gray,Clay,Medium stiff,w/silt pockets      | CH    | 41.7       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 12  | 22-24         | 0.75         |                             | Olive gray,Clay,Medium stiff,w/silt pockets      | CH    | 42.9       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 13  | 24-26         | 1.00         |                             | Olive gray,Clay,Stiff                            | CH    | 37.8       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
| 14  | 26-28         | 1.25         |                             | Olive gray,Clay,Stiff,w/sand seams               | CH    | 42.4       |                            |                            | 65         |            |                                  |      |      |      |      |                                       |              |
| 15  | 28-30         | 0.75         |                             | Brown,Clay,Medium stiff                          | CH    | 34.9       |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
|     |               |              |                             |                                                  |       |            |                            |                            |            |            |                                  |      |      |      |      |                                       |              |
|     |               |              |                             |                                                  |       |            |                            |                            |            |            |                                  |      |      |      |      |                                       |              |

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content  
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

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