TABLE I (CON'D)



# TEST DATA SUMMARY
## BRAYS BAYOU CHANNEL RECTIFICATION
## SUMMARY OF IDENTIFICATION TESTS

| BORING NO. | Elev. | DEPTH OR ELEV OF SAMPLE | LABORATORY CLASSIFICATION | MECHANICAL ANALYSIS | | | | ATTERBERG LIMITS | | SPECIFIC GRAVITY | NATURAL WATER CONTENT | NATURAL DRY DENSITY | COMPACTION DATA | | SHEAR DATA | | | | | | | | | | | | PERMEABILITY | | CONSOLIDATION DATA | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | GRAVEL % | SAND % | FINES % | $D_{10}$ | LL | PL | G | % | LBS/CU FT | OPTIMUM WATER % | MAXIMUM DRY DENSITY LBS/CU FT | INITIAL e | DRY DENSITY LBS/CU FT | $W_i$ % | $W_F$ % | $S_i$ % | TYPE TEST | SPECIMEN SIZE INCHES | TEST | $\sigma_{III}$ T/SQ FT | $\sigma_I$ T/SQ FT | C T/SQ FT | Ø DEGREES | e | K FT/MIN | $P_o$ T/SQ FT | $P_c$ T/SQ FT | $C_c$ | $t_{50}$* | BLS |
| 6ST- | | 18.0- | CL | 0 | 29 | 71 | | 33 | | | 15 | 116 | | | | | | | | | | | | | | | | | | | | | 9 |
| 103 | | 23.0 | | Tan to Light Gray Sandy Clay, hard, calcareous concretions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Con'd) | | 23.0- | ML | 0 | 41 | 59 | | | | | 18 | 109 | | | | | | | | | | | | | | | | | | | | | 3 |
| | | 24.5 | | Tan to Light Gray Sandy Silt, firm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 24.5- | SP | 0 | 96 | 4 | | | | | 24 | 106 | | | | | | | | | | | | | | | | | | | | | 0 |
| | 22.2 | 41.0 | | Tan Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6ST- | 58.9 | 0.0- | CL | 7 | 21 | 72 | | 49 | | | 21 | 104 | | | | | | | | | | | | | | | | | | | | | 15 |
| 104 | | 3.5 | | Brown to Gray Sandy Clay, stiff to hard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.5- | CL | 0 | 31 | 69 | | 34 | | | 15 | 114 | | | | | | | | | | | | | | | | | | | | | 11 |
| | | 20.5 | | Tan to Light Gray Sandy Clay, stiff to hard, calcareous concretions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20.5- | SC | 0 | 75 | 25 | | | | | 16 | 113 | | | | | | | | | | | | | | | | | | | | | 0 |
| | | 22.5 | | Tan to Light Gray Clayey Sand, firm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 22.5- | SP | 0 | 91 | 9 | | | | | 26 | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 23.9 | 35.0 | | Tan Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6ST- | 58.4 | 0.0- | CL | 0 | 30 | 70 | | 31 | | | 15 | 109 | | | | | | | | | | | | | | | | | | | | | 11 |
| 105 | | 16.5 | | Tan to Gray Sandy Clay, hard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 16.5- | CL | 0 | 34 | 66 | | 30 | | | 15 | 116 | | | | | | | | | | | | | | | | | | | | | 10 |
| | | 25.5 | | Tan to Light Gray Sandy Clay, hard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 25.5- | SM | 0 | 81 | 19 | | | | | 28 | 106 | | | | | | | | | | | | | | | | | | | | | 2 |
| | 23.4 | 35.0 | | Light Gray Silty Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6ST- | 56.3 | 0.0- | CL | 0 | 22 | 78 | | 45 | | | 21 | 99 | | | | | | | | | | | | | | | | | | | | | 17 |
| 106 | | 4.0 | | Brown Sandy Clay, hard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4.0- | CH | 0 | 10 | 90 | | 55 | | | 22 | 104 | | | | | | | | | | | | | | | | | | | | | 21 |
| | | 11.5 | | Light Gray to Rust Clay, hard, calcareous concretions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 11.5- | CL | 0 | 32 | 68 | | 35 | | | 17 | 113 | | | | | | | | | | | | | | | | | | | | | 10 |
| | | 25.0 | | Brown to Light Gray Sandy Clay, hard, calcareous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 25.0- | SP | 0 | 96 | 4 | | | | | 31 | | | | | | | | | | | | | | | | | | | | | | 0 |
| | | 28.3 | | Tan Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 28.3- | SM | 0 | 59 | 41 | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | 3 |
| | 20.3 | 36.0 | | Light Gray Silty Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6ST- | 57.6 | 0.0- | CL | 0 | 0 | 100 | | 46 | | | 20 | 104 | | | | | | | | | | | | | | | | | | | | | 16 |
| 107 | | 2.0 | | Brown Clay, hard, with roots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.0- | CL | 0 | 24 | 76 | | 31 | | | 14 | 113 | | | | | | | | | | | | | | | | | | | | | 10 |
| | | 21.0 | | Tan to Light Gray Sandy Clay, hard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 21.0- | SM | 0 | 63 | 37 | | | | | 18 | 110 | | | | | | | | | | | | | | | | | | | | | 4 |
| | | 24.5 | | Tan to Light Gray Silty Sand, firm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 24.5- | SM | 0 | 77 | 23 | | | | | 27 | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | 30.0 | | Light Gray Silty Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30.0- | SP | 0 | 94 | 6 | | | | | 28 | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 22.6 | 35.0 | | Light Gray Sand, soft, watery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6ST- | 60.3 | 0.0- | CL | 0 | 22 | 78 | | 28 | | | 10 | 113 | | | | | | | | | | | | | | | | | | | | | 9 |
| 108 | | 2.0 | | Brown Sandy Clay, hard, with Roots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.0- | CL | 0 | 14 | 86 | | 44 | | | 19 | 108 | | | | | | | | | | | | | | | | | | | | | 17 |
| | | 13.0 | | Gray to Rust Clay, hard, calcareous, some roots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

CHANNEL RECTIFICATION

BRAYS BAYOU

# TEST DATA SUMMARY

FEATURE Log of Soil Borings



TABLE 1

| BORING NO. | SAMPLE NO. | DEPTH OR ELEV. OF SAMPLE | MECHANICAL ANALYSIS GRAVEL % | SAND % | FINES % | * | ATTERBERG LIMITS LL | PL | BAR L.S. % | NATURAL WATER CONTENT % | NATURAL DRY DENSITY LBS./CU.FT. | LABORATORY CLASSIFICATION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6ST-108 | 57-2775 | 0.0 | 0 | 22 | 78 | 4.5+ | 28.2 | | 9.0 | 10.0 | 112.7 | Lay, Br-B, SaCl(CL) Hd w/RTS. |
| | | 2.0 | | | | | | | | | | |
| | 2776 | | 0 | 11 | 89 | 4.5+ | 46.8 | | 19.0 | 18.8 | 105.6 | D, Cl(CL), Hd, Calc w/RTS. |
| | | 3.5 | | | | | | | | | | |
| | 2777 | | | | | 4.5+ | | | | 17.1 | 109.8 | D, Cl(CL), Hd, Calc w/RTS. |
| | | 5.5 | | | | | | | | | | |
| | 2778 | | 0 | 15 | 85 | 4.5 | 42.7 | | 16.0 | 16.6 | 112.6 | G, Cl(CL), Hd, Calc. |
| | | 7.5 | | | | | | | | | | |
| | 2779 | | 0 | 17 | 83 | 3.75 | 41.7 | | 15.5 | 17.9 | 110.5 | T-G-L, Cl(CL), Hd, Calc, w/Si; Pxs. |
| | | 9.5 | | | | | | | | | | |
| | 2780 | | 0 | 12 | 88 | 3.6 | 45.6 | | 17.0 | 21.4 | 105.2 | Ru-L, Cl(CL), Hd, Calc, w/RTS. |
| | | 11.5 | | | | | | | | | | |
| | 2781 | | | | | 2.8 | | | | 22.2 | 104.2 | Ru-L, Cl(CL), Hd, Calc, w/RTS. |
| | | 13.0 | | | | | | | | | | |
| | 2782 | | | | | 2.6 | | | | 15.3 | 113.9 | T-L, SaCl(CL) St-Hd, w/Si; Pxs. |
| | | 15.0 | | | | | | | | | | |
| | 2783 | | 0 | 24 | 76 | 4.5 | 35.7 | | 12.0 | 15.8 | 114.2 | T-L, SaCl(CL) St-Hd, w/Si; Pxs. |
| | | 18.0 | | | | | | | | | | |
| | 2784 | | | | | 3.4 | | | | 15.8 | 115.1 | T-L, SaCl(CL) St-Hd, w/Si; Pxs. |
| | | 19.5 | | | | | | | | | | |
| | 2785 | | | | | 4.5+ | | | | 13.7 | 119.9 | T-L, SaCl(CL), Hd, w/Sa Pxs. |
| | | 21.0 | | | | | | | | | | |
| | 2786 | | 0 | 28 | 72 | 4.5+ | 33.3 | | 9.0 | 14.4 | 117.0 | T-L, SaCl(CL) Hd, w/Sa Pxs. |
| | | 22.5 | | | | | | | | | | |
| | 2787 | | | | | 4.5+ | | | | 15.9 | 113.6 | T-L, SaCl(CL) Hd, w/Sa Pxs. |
| | | 23.5 | 0 | 64 | 36 | 1.4 | | | 2.0 | 18.7 | 111.0 | L, SiSa(SM) F. |
| | | 25.5 | | | | | | | | | | |
| | 2789 | | 0 | 65 | 35 | — | | | 3.0 | 19.1 | — | L, SiSa(SM) F. |
| | | 29.0 | | | | | | | | | | |
| | 2790 | | 0 | 91 | 9 | — | | | 0.0 | 32.2 | — | T, Sa(SP-SM) So, Wa. |
| | | 32.5 | | | | | | | | | | |
| | 2791 | | 0 | 98 | 2 | — | | | 0.0 | 27.2 | — | T, Sa(SP) So, Wa. |
| | | 35.0 | | | | | | | | | | |

BOTTOMED AT 35.0' IN T, Sa(SP) So, Wa.

WATER SAND AT 28.0'

WATER LEVEL AT 14.5'

UNABLE TO PICKUP SHELBY TUBE -

SAMPLES FROM 25.5' TO 35.0'.

DLR - 627

*- Laboratory Penetrometer Readings.

SD FORM 053-R
23 AUG. 56