

TABLE 16.--ENGINEERING INDEX TEST DATA  
[Dashes indicate data were not available]

| Soil name, report number, horizon, and depth in inches | Classification     | Grain size distribution  |          |          |       |        |                           |         |         |         |         | Liquid limits | Plasticity index | Specific Gravity | Shrinkage |        |       |
|--|--------------------|--------------------------|----------|----------|-------|--------|---------------------------|---------|---------|---------|---------|---------------|------------------|------------------|-----------|--------|-------|
|  |                    | Percentage passing sieve |          |          |       |        | Percentage smaller than-- |         |         |         |         |               |                  |                  | Limit     | Linear | Ratio |
|  |                    | 7/8 inch                 | 5/8 inch | 3/8 inch | No. 4 | No. 10 | No. 40                    | No. 200 | .075 mm | .005 mm | .002 mm |               |                  |                  |           |        |       |
| Balmorhea silty clay loam:3 (S73TX-195-001)            | AASHTO Unified: CH | 100                      | 100      | 100      | 98    | 96     | 91                        | 84      | --      | 46      | 34      | 52            | 28               | --               | 19.0      | 14.1   | 1.7   |
| Ap-----0 to 18   | A-7-6(25)          | CH                       | 100      | 100      | 100   | 100    | 100                       | 100     | 98      | 94      | 98      | 94            | 94               | 94               | 56        | 47     | 68    |
| Ab-----28 to 34  | A-7-6(50)          | CH                       | 100      | 100      | 100   | 100    | 100                       | 100     | 98      | 94      | 98      | 94            | 94               | 48               | 38        | 57     | 37    |
| C1-----34 to 40  | A-7-6(38)          | CH                       | 100      | 100      | 100   | 100    | 100                       | 100     | 94      | 94      | 100     | 100           | 100              | 40               | 33        | 50     | 32    |
| C2-----40 to 54  | A-7-6(27)          | CH                       | 100      | 100      | 100   | 100    | 100                       | 100     | 83      | 83      | 100     | 100           | 100              | --               | --        | --     | --    |
| Dalby clay:4 (S75TX-389-001)                           |                    |                          |          |          |       |        |                           |         |         |         |         |               |                  |                  |           |        |       |
| AC-----10 to 26  | A-7-6(34)          | CH                       | 100      | 100      | 100   | 99     | 99                        | 98      | 94      | 94      | 98      | 94            | 94               | 67               | 52        | 53     | 33    |
| C1ca-----26 to 36                                      | A-7-6(33)          | CH                       | 100      | 100      | 100   | 99     | 98                        | 98      | 94      | 94      | 98      | 94            | 94               | 65               | 51        | 52     | 32    |
| C2ca-----36 to 60                                      | A-7-6(31)          | CH                       | 100      | 100      | 100   | 100    | 100                       | 100     | 99      | 96      | 99      | 96            | 96               | 64               | 48        | 50     | 29    |
| Delnorte very gravelly loam:5 (S75TX-389-004)          |                    |                          |          |          |       |        |                           |         |         |         |         |               |                  |                  |           |        |       |
| A1-----0 to 14   | A-2-6(01)          | GC                       | 100      | 91       | 79    | 58     | 41                        | 31      | 24      | 24      | 31      | 24            | 19               | 10               | 7         | 37     | 19    |
| C2ca-----28 to 60                                      | A-6 (02)           | SC                       | 100      | 97       | 93    | 82     | 67                        | 54      | 44      | 44      | 54      | 44            | 11               | 20               | 12        | 28     | 11    |
| Hoban silty clay loam:6 (S73TX-195-004)                |                    |                          |          |          |       |        |                           |         |         |         |         |               |                  |                  |           |        |       |
| Ap-----0 to 8  | A-6 (13)           | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 99      | 90      | 99      | 90            | 15               | 48               | 35        | 34     | 15    |
| B2ca-----18 to 46                                      | A-6 (16)           | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 99      | 88      | 99      | 88            | 19               | 47               | 35        | 37     | 19    |
| C1scsa-----46 to 60                                    | A-7-6(12)          | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 93      | 62      | 93      | 62            | 22               | 11               | 8         | 44     | 22    |
| Hodgins silty clay loam:7 (S75TX-389-002)              |                    |                          |          |          |       |        |                           |         |         |         |         |               |                  |                  |           |        |       |
| Ap-----0 to 8  | A-6 (07)           | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 98      | 77      | 98      | 77            | 12               | 38               | 27        | 28     | 12    |
| B2-----19 to 27  | A-6 (17)           | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 100     | 92      | 100     | 92            | 19               | 51               | 37        | 36     | 19    |
| C-----27 to 60   | A-6 (17)           | CL                       | 100      | 100      | 100   | 100    | 100                       | 100     | 100     | 95      | 100     | 95            | 19               | 46               | 34        | 34     | 19    |

See footnotes at end of table.

