TABLE 18.--ENGINEERING INDEX TEST DATA

Soil name, report number, horizon, and depth in inches	Classification		Grain size distribution[1]									Liquid[2] limit	Plasticity[2] index	Specific gravity	Shrinkage		
			Percentage passing sieve--						Percentage smaller than--						Limit	Linear	Ratio
	AASHTO	Unified	5/8 inch	3/8 inch	No. 4	No. 10	No. 40	No. 200	.05 mm	.005 mm	.002 mm						
												Pct		G/cm³	Pct	Pct	Pct
Antosa sand:[3] (S74TX-127-003)																	
A11------0-14	A-2-4(00)	SP-SM	100	100	100	100	092	008	006	004	004	020	003	2.63	15.0	1.00	1.80
B22t----38-47	A-6 (04)	SC	100	100	100	100	095	038	037	034	034	039	025	2.65	15.0	11.50	1.86
Bobillo sand:[3] (S74TX-127-004)																	
A11------0-30	A-2-4(00)	SP-SM	100	100	100	100	095	009	007	004	003	021	003	2.64	17.0	0.30	1.76
B21t----58-72	A-2-6(01)	SC	100	100	100	100	096	033	030	027	026	029	016	2.66	17.0	6.70	1.81
Bookout clay loam:[3] (S79TX-507-005)																	
B2ca----14-40	A-6 (22)	CL	100	100	100	100	100	087	075	046	033	040	023	2.67	15.0	12.00	1.87
Brundage fine sandy loam:[3] (S74TX-127-001)																	
A1-------0-3	A-4 (02)	CL	100	100	100	100	099	054	043	024	019	024	009	2.62	15.0	5.00	1.87
B22t-----7-26	A-6 (12)	CL	100	100	098	096	095	061	054	038	034	040	025	2.66	13.0	13.30	1.94
B3ca----42-72	A-6 (09)	CL	100	100	099	098	096	058	052	035	030	033	021	2.69	12.0	11.30	1.97
Brystal fine sandy loam:[3] (S74TX-127-002)																	
Ap-------0-7	A-2-4(00)	SM	100	100	100	100	093	026	020	012	010	019	003	2.64	15.0	2.30	1.83
B22t----14-24	A-2-6(01)	SC	100	100	100	100	091	033	029	020	019	028	015	2.66	16.0	6.10	1.81
B25tca--44-72	A-6 (07)	CL	100	100	099	098	090	051	050	034	029	035	023	2.67	12.0	11.70	1.99
Chacon clay loam:[3] (S74TX-507-001)																	
A1-------0-15	A-6 (13)	CL	100	100	099	099	097	068	062	043	035	040	022	2.65	15.0	12.00	1.86
B21t----15-32	A-7-6(24)	CH	100	100	099	098	095	073	069	052	044	051	034	2.68	13.0	17.30	2.00
Cca-----52-66	A-7-6(18)	CL	098	097	095	092	087	070	066	050	040	044	029	2.68	12.0	15.30	2.03
Conalb loam:[3&4] (S79TX-507-004)																	
B2 and C1-14-46	A-6 (09)	CL	100	100	100	100	100	079	066	030	023	031	014	2.68	17.0	7.40	1.82
Maverick clay loam:[3] (S77TX-507-002)																	
A1-------0-6	A-6 (14)	CL	100	100	100	099	097	073	068	039	034	038	022	2.65	15.0	11.20	1.87
B2-------6-18	A-7-6(29)	CH	100	100	100	099	097	082	078	055	048	051	036	2.69	11.0	18.20	2.05
B2ca----18-28	A-7-6(32)	CH	100	100	100	098	093	080	076	059	051	057	040	2.76	11.0	19.80	2.02
Cr------28-60	A-7-6(48)	CH	100	100	100	099	093	086	086	071	061	072	052	2.81	11.0	23.10	2.03
Pryor sandy clay loam:[3] (S74TX-507-003)																	
A1-------0-9	A-6 (07)	CL	095	094	093	093	091	059	050	028	024	033	018	2.65	15.0	9.00	1.84
B22tca--22-32	A-7-6(24)	CL	100	100	099	098	095	075	069	050	043	048	034	2.69	13.0	16.30	2.00
C1------46-62	A-7-6(26)	CL	100	100	100	100	098	078	072	054	048	049	035	2.74	12.0	17.00	2.02
Tonio fine sandy loam:[3] (S77TX-127-005)																	
A1-------0-10	A-2-4(00)	SM-SC	100	100	100	099	092	032	028	015	014	022	006	2.66	16.0	3.70	1.84
B21t----10-30	A-4 (00)	SC	100	100	099	099	091	037	033	020	017	025	009	2.64	15.0	5.50	1.86
B23tca--40-54	A-6 (03)	SC	100	099	098	097	087	046	043	023	018	026	014	2.67	14.0	7.00	1.93
Cr------54-74	A-2-4(00)	SM	100	097	091	081	062	028	026	009	005	031	006	2.78	23.0	3.70	1.66

See footnotes at end of table.

TABLE 18.--ENGINEERING INDEX TEST DATA--Continued

Soil name, report number, horizon, and depth in inches	Classification		Grain size distribution 1/									Liquid 2 limit	Plasticity 2 index	Specific gravity	Shrinkage		
			Percentage passing sieve--						Percentage smaller than--						Limit	Linear	Ratio
	AASHTO	Unified	5/8 inch	3/8 inch	No. 4	No. 10	No. 40	No. 200	.05 mm	.005 mm	.002 mm						
												Pct		G/cm3	Pct	Pct	Pct
Verick fine sandy loam: 3/ (S77TX-127-006)																	
A1-------0-5	A-4 (00)	SM-SC	100	099	099	099	097	037	032	016	015	024	006	2.66	18.0	3.50	1.78
B2tca----5-17	A-6 (02)	SC	100	100	100	100	097	043	038	025	021	029	013	2.65	17.0	6.40	1.80
Crca----17-40	A-2-6(01)	SC	100	082	074	070	066	032	030	020	016	028	013	2.66	15.0	6.70	1.83
Winterhaven silty clay loam: 3/ (S77TX-507-004)																	
Ap-------0-7	A-6 (12)	CL	100	100	100	100	100	091	084	040	029	031	014	2.68	17.0	7.70	1.86
A1-------7-17	A-6 (14)	CL	100	100	100	100	100	091	088	045	033	035	016	2.68	15.0	10.00	1.87
B2------17-36	A-6 (12)	CL	100	100	100	100	100	087	080	041	032	034	015	2.69	16.0	9.10	1.85
C2------45-72	A-6 (04)	CL	100	100	100	100	100	059	053	028	023	028	012	2.67	16.0	6.40	1.83

1/ For soil materials larger than 3/8 inch, square mesh wire sieves were used that are slightly larger than equivalent round sieves, but these differences do not seriously affect the data.
2/ Liquid limit and plasticity index values were based on AASHTO-89 and AASHTO-90 methods respectively, except that soil was added to water.
3/ Typical pedon for the series.
4/ The B2 horizon and the C1 horizon were combined in sampling.