TABLE 17.--ENGINEERING INDEX TEST DATA

(Dashes indicate data were not available)

Soil name, report number, horizon, and depth in inches	Classification		Grain-size distribution									Liquid limit[1]	Plas-ticity index[1]	Specific gravity	Shrinkage		
			Percentage passing sieve--					Percentage smaller than--							Limit	Linear	Ratio
	AASHTO	Unified	3/4 inch	3/8 inch	No. 4	No. 10	No. 40	No. 200	.05 mm	.005 mm	.002 mm						
												Pct			Pct	Pct	
Bookout[3]:																	
(84TX-283-1)																	
A2-------- 1 to 12	A-6(6)	CL	100	100	100	100	100	64	40	26	20	31	13	2.62	19.0	6.0	1.78
Bk1------- 12 to 24	A-6(10)	CL	100	100	100	100	100	71	55	36	30	35	17	2.67	20.0	7.8	1.79
Bk2------- 24 to 36	A-6(12)	CL	100	100	100	100	100	76	60	40	35	36	18	2.64	17.0	9.2	1.83
Bk3------- 36 to 56	A-6(12)	CL	100	100	100	100	100	79	68	42	32	33	17	2.67	18.0	8.1	1.83
Bk4------- 56 to 72	A-6(10)	CL	100	100	100	100	100	77	68	34	28	31	15	2.67	19.0	6.2	1.81
Caid[4]:																	
(84TX-283-2)																	
A1-------- 0 to 10	A-6(6)	CL	100	100	100	100	100	59	45	30	22	34	15	2.68	20.0	6.7	1.73
A2-------- 10 to 17	A-6(8)	CL	100	100	100	100	100	61	44	34	30	36	18	2.67	19.0	8.2	1.75
Btk1------ 17 to 37	A-6(9)	CL	100	100	100	100	100	66	48	38	32	36	17	2.75	19.0	8.2	1.76
Btk2------ 37 to 54	A-6(11)	CL	100	100	100	100	100	72	60	44	40	35	18	2.71	18.0	8.6	1.82
Btk3------ 54 to 72	A-6(12)	CL	100	100	100	100	100	74	64	46	38	35	19	2.70	17.0	9.2	1.86
Cochina[2]:																	
(84TX-283-3)																	
A--------- 0 to 9	A-7-5(28)	MH	100	100	100	100	100	99	90	78	62	68	18	2.73	18.0	19.3	1.81
BAw------- 9 to 24	A-7-6(43)	CH	100	100	100	100	100	99	95	82	68	65	37	2.74	17.0	19.2	1.84
Bz-------- 24 to 40	A-7-6(49)	CH	100	100	100	100	100	99	97	84	68	70	42	2.72	15.0	21.4	1.94
Byz1------ 40 to 54	A-7-6(50)	CH	100	100	100	100	100	99	94	82	70	70	43	2.77	16.0	21.5	1.96
Byz2------ 54 to 72	A-7-6(48)	CH	100	100	100	100	100	100	96	80	66	66	41	2.72	13.0	21.3	1.98
Coquat[2]:																	
(84TX-283-4)																	
Bkn------- 5 to 36	A-7-5(57)	CH	100	100	100	100	100	98	94	80	74	79	49	2.72	14.0	24.2	1.97
Bknz2----- 52 to 65	A-7-6(52)	CH	100	100	100	100	100	97	92	80	72	74	46	2.74	17.0	21.8	1.92
Maverick[2]:																	
(84TX-283-5)																	
A--------- 0 to 8	A-7-6(29)	CH	100	99	98	97	97	87	47	38	32	52	32	2.58	14.0	16.3	1.88
Bz--------- 8 to 16	A-7-6(34)	CH	100	100	100	100	99	86	74	58	50	60	36	2.66	19.0	16.3	1.76
Byz------- 16 to 28	A-7-6(34)	CH	100	100	100	100	97	86	78	60	52	60	37	2.81	20.0	16.7	1.82
Cryz------ 28 to 60	A-7-6(61)	CH	100	100	100	100	98	95	88	76	65	78	57	2.83	15.0	24.5	1.93

See footnotes at end of table.

TABLE 17.--ENGINEERING INDEX TEST DATA--Continued

Soil name, report number, horizon, and depth in inches	Classification		Grain-size distribution									Liquid limit[1]	Plasticity index[1]	Specific gravity	Shrinkage		
			Percentage passing sieve--						Percentage smaller than--						Limit	Linear	Ratio
	AASHTO	Unified	3/4 inch	3/8 inch	No. 4	No. 10	No. 40	No. 200	.05 mm	.005 mm	.002 mm						
												Pct			Pct	Pct	
Zavco[2]:																	
(84TX-283-6)																	
A--------- 0 to 9	A-6(2)	SC	100	100	100	100	100	43	35	26	24	32	12	2.65	21.0	15.5	1.70
Bt-------- 15 to 22	A-6(5)	SC	100	100	100	100	100	48	38	32	30	38	18	2.68	19.0	9.0	1.75
Btk2------ 28 to 40	A-6(6)	CL	100	100	100	100	100	53	45	38	30	34	18	2.69	19.0	7.8	1.78

[1] Liquid limit and plasticity index were determined by the AASHTO-89 and AASHTO-90 methods except that soil was added to water.
[2] Location of pedon sample is the same as the pedon given as typical for series in "Soil Series and Their Morphology."
[3] From the intersection of U.S. Highway 81 and Texas Highway 97 in Cotulla, 15.0 miles east on Texas Highway 97 to Los Angeles, 5.0 miles east of Los Angeles on Texas Highway 97, about 0.2 mile north to ranch headquarters, and 300 feet northeast in rangeland.
[4] From the intersection of U.S. Highway 81 and Texas Highway 97 in Cotulla, 15.0 miles east on Texas Highway 97 to Los Angeles, 1.0 mile north of Los Angeles on Farm Road 469, about 8.9 miles east on a county road, and 50 feet north in rangeland.