TABLE H.I SUMMARY OF TEST RESULTS — CALCIFIED SANDS AND POWDER CALCRETES

MATERIAL TYPE	SAMPLE NUMBER	MINUS 40 MESH FRACTION (SOIL FINES)												PARTICLE SIZE DISTRIBUTION - CUMULATIVE PERCENTAGE FINER BY WEIGHT (INCHES, MILLIMETRES, U.S. SIEVES)																	HALF INCH TO THREE QUARTER INCH AGGREGATE											MODIFIED AASHO						CLASSIFICATION			REMARKS
		ABSORPTION LIMIT %	LIQUID LIMIT %	PLASTIC LIMIT %	SHRINKAGE LIMIT (1) %	SHRINKAGE RATIO	PLASTICITY INDEX %	SHRINKAGE INDEX %	FLOW INDEX %	TOUGHNESS INDEX	BAR LINEAR SHRINKAGE %	PETRIFACTION DEGREE (1)	SOLID PARTICLE SPECIFIC GRAVITY	CONDUCTIVITY m mho/cm	pH	3·00 76·1	2·00 50·8	1·50 38·1	1·00 25·4	0·75 19·0	0·50 12·7	0·25 6·35	0·185 4·76 4	0·0787 2·00 10	0·0331 0·841 20	0·0164 0·420 40	0·0098 0·250 60	0·0058 0·149 100	0·0029 0·074 200	0·0024 0·060	0·0008 0·020	0·0002 0·006	0·00008 0·002	10% F.A.C.T. DRY tons	10% F.A.C.T. SOAKED tons	A.C.V. %	L.A.A.(3) 100 REVS. %	L.A.A.(3) 500 REVS. %	A.P.T. A.F.V. %	A.P.T. A.P.V. %	WATER ABSORPTION %	SPECIFIC GRAVITY Apparent	SPECIFIC GRAVITY Bulk, dry	SPECIFIC GRAVITY Bulk, saturated surface dry	O.M.C. %	MDD lbs/cu.ft	CBR %	GRADING MODULUS	EFFECTIVE SIZE mm	UNIFORMITY COEFF.	D.O.T.	EXTENDED CASAGRANDE	REVISED P.R.A.	
CALCIFIED SANDS	895	50·1	33·0	18·1	22·3(2)	1·68	14·9	-4·2	13·0	1·1	6·7	0·44	2·667	2·3	9·2	-	-	-	-	-	-	100	80	72	64	56	45	33	24	20	17	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·48	0·007	86	SSC	SF-GF	A-2-6(0)	
	1015	-	24·7	-	-	-	S.P.	-	~8·0	~0·1	1·3	-	2·691	-	-	-	-	-	-	-	-	100	77	68	60	55	47	34	24	19	13	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·53	0·009	94	SSC	GF	A-2-4(0)	
	1567	45·6	-	-	35·9(2)	1·36	N.P.	-	-	-	-	0·79	2·650	-	-	-	-	100	89	86	82	73	70	63	58	50	38	21	11	10	7	3	2	-	-	-	-	-	72	19	-	-	-	-	-	-	-	1·76	0·06	17	SSC	GP-GF	A-1-b(0)	
	1625	59·7	49·0	27·7	29·2	1·52	21·3	-1·5	0·8	26·6	9·1	0·49	2·729	0·25	8·6	-	-	100	93	86	81	73	67	60	50	44	42	37	31	20	15	10	7	-	-	-	-	-	94	39	-	-	-	-	-	-	-	1·65	0·006	333	SSC	GF-SF	A-2-7(2)	
	2506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2·8	0·3	48·4	47·4	96·0	-	-	21·7	-	-	-	-	-	-	-	-	-	-	-	-	
	2531	-	-	-	-	-	-	-	-	-	-	-	-	1·10	7·7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWDER CALCRETES	897	-	48·7	29·9	-	-	18·8	-	4·6	4·1	2·6	-	2·676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20·0	101	54	-	-	-	-	-	-	NATURAL
	902	51·2	58·4	36·6	26·0(2)	1·61	21·8	10·6	~6·?	~3·6?	10·7	0·51	2·782	21·3	8·5	-	-	100	97		97	93	91	83	78	74	72	67	61	57	54	41	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·82	0·002	35	SC	CH ?	A-7-5(13)	NATURAL
	1017	-	~50	36·7	-	-	~13	-	~14?	~0·9?	8·0	-	2·652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	POWDERED BY TRAFFIC ?
	1020	-	42·7	27·1	-	-	15·6	-	14·6	1·1	7·3	-	2·649	0·19	8·1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	63	7·9	2·72	2·24	2·42	-	-	-	-	-	-	-	-	-	POWDERED BY TRAFFIC ?
	1512	38·9	28·7	18·5	21·9	1·67	10·2	-3·4	3·4	3·0	2·0	0·54	2·634	-	-	-	-	100	96	88	87	82	79	73	69	66	63	61	52	48	40	14	5	-	-	-	-	-	75	33	-	-	-	-	-	-	-	1·09	0·004	35	SSC	GF	A-4(3)	NATURAL
	1515	41·6	22·1	-	23·1	1·66	S.P.	-	10·8	~0·9	-	0·56	2·676	-	-	-	-	-	-	-	-	100	96	91	87	84	82	79	68	63	30	13	8	-	-	-	-	-	25	8	-	-	-	-	-	-	-	0·57	0·003	17	SC	ML	A-4(7)	NATURAL
	1557	43·4	27·4	15·0	18·9(2)	1·70	12·4	-3·9	0·4	3·1·0	4·0	0·44	2·489	0·56	8·2	-	-	100	98	96	92	85	83	78	75	68	54	34	22	-	-	-	-	3·8	-	-	-	-	-	-	7·0	2·60	2·21	2·36	-	-	-	1·32	-	-	SSC	SF	A-2-6(0)	NATURAL
	1696	39·5	45·8	31·3	24·8(2)	1·55	14·5	6·5	~22?	~0·7?	8·7	0·63	2·498	0·48	8·2	-	-	100	96	94	93	-	88	79	73	68	61	49	38	36	33	29	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·15	0·001	240	SSC	SF	A-7-5(2)	POWDERED BY TRAFFIC
	1737	-	21·8	17·7	-	-	4·1	-	2·8	1·5	2·7	-	-	-	-	-	-	-	-	-	-	-	86	75	64	53	43	32	(17)	23	20	17	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1·45	0·0015	400	SSC	SF	A-2-4(0)	NATURAL
	1881	34·9	33·3	23·7	25·8	1·61	9·6	-2·1	3·6	2·7	5·3	0·74	2·746	-	-	-	-	-	-	-	-	-	87	79	71	63	57	49	(38)	42	40	36	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·20	0·0015	200	SSC	SF	A-4(1)	FROM GRAVEL ROAD SURFACE
	2223	42·7	24·0	17·5	20·6	1·74	6·5	-3·1	4·8	1·4	0·6	0·48	2·709	0·14	8·2	-	-	-	100	95	93	90	90	87	84	83	81	79	73	51	26	9	6	2·8	-	-	-	-	75	28	-	-	-	-	8·7	12·7	37	0·57	0·007	9·3	SC	ML	A-4(8)	NATURAL
	2236	-	32·1	-	-	-	S.P.	-	6·0	~0·2	2·7	-	2·607	-	-	-	-	-	-	-	-	-	93	87	80	65	43	27	19	18	14	11	-	-	-	-	-	94	53	-	-	-	-	-	-	-	1·29	0·005	76	SC	SF-SP	A-2-4(0)	NATURAL
	2360	43·7	47·7	32·7	28·7(2)	1·50	15·0	4·0	1·2	12·5	7·3	0·66	2·638	1·6	8·7	-	-	-	100	98	97	91	88	75	65	56	48	38	29	28	28	21	16	-	-	-	-	-	83	44	16·1	2·58	1·83	2·12	-	-	-	1·40	0·0006	1000	SSC	SF	A-2-7(1)	UNKNOWN SOURCE

NOTE: (1) USING O_2 SHRINKAGE LIMIT METHOD
(2) SOAKED BEFOREHAND AS FOR LL
(3) USING 2500g AGGREGATE AND 11 SPHERES

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