STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DATE OF SURVEY : 2/15/95 -5/1/95
SURVEY MADE BY : HARTFORD TESTING COMPANY
SUBMITTED BY : LARRY BALLARD, P.E.

FINANCIAL PROJECT ID : _____

DISTRICT : 3
ROAD NO : S.R. 29
COUNTY : HOUSTON

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 400+00 SURVEY ENDS STA. : 554+00

	ORGANIC CONTENT			SIEVE ANALYSIS RESULTS % PASS						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION	NO. OF TESTS	RESISTIVITY ohms-cm	CHLORIDE ppm	SULFATES ppm	pH
1												N.P.		ROCK BASE ASPHALTIC CONCRETE					
2				4	98-87	93-77	82-59	55-44	10-3			N.P.	A-3	SUBGRADE (GRAY & TAN SAND W/TRACE SILT, L.R. & SHELL)					
3	7	3.5-2.5		7	100-94	94-86	71-65	45-34	21-15			N.P.	A-2-4	FILL (DARK BROWN SAND W/SOME SILT & TRACE L.R.)	7	43000-34000	60-40	72-18	8.3-6.4
4	3	1.5-1.9		4	100-84	93-71	90-60	82-53	45-37	4	38-25	9-5	A-4	GRAY AND BROWN SILTY SAND W/TRACE CLAY AND L.R.	4	26000-23000	120-60	96-84	8.9-8.4
5				3	100	100-99	98-96	80-75	34-30	3	44-42	15-11	A-2-7	TAN AND LIGHT GRAY SILTY SAND W/SOME CLAY AND TRACE SHELL	3	8000-6600	120-60	216-156	8.2-7.5
6	3	18.2-40	20-60						46-30	3	33-25	15-10	A-8	MUCK (DARK BROWN SILTY SAND W/SOME CLAY)					
7				3	100	92-88	79-73	69-60	55-51	3	61-55	53-38	A-7	YELLOW AND GRAY SILTY SAND CLAY					
8	3	15.5- 20	20-58	3	100-99	99-97	97-88	80-77	15-10			N.P.	A-8	MUCK (BROWN SAND W/SOME ORGANIC AND TRACE SHELL)	3	35000-20000	120	120	5.2-4.6

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE MAKE FINAL CHECK AFTER GRADING

▽ - WATER TABLE ENCOUNTERED

GNE - GROUND WATER NOT ENCOUNTERED

The material from Stratum Number 1 is Rock Base under Asphaltic Concrete.

The material from Stratum Number 2 appears satisfactory for use in the embankment when utilized in accordance with Index 505.

The material from Stratum Number 3 appears satisfactory for use in the embankment when utilized in accordance with Index 505. However, this material is likely to retain excess moisture and be difficult to dry and compact. It should be used in the embankment above the water level existing at the time of construction. This material may not be used in the subgrade portion of the roadbed due to its organic content.

The materials from Stratum Numbers 4 and 5 are plastic materials and shall be removed in accordance with Index 500. They may be placed above the existing water level at the time of construction, to within 4 feet of the proposed base. They should be placed uniformly in the lower portion of the embankment for some distances along the project rather than full depths for short distances.

The material from Stratum Numbers 6 and 8 is ORGANIC/A-8 material and shall be removed in accordance with Index 500.

The material from Stratum Number 7 is Highly Plastic material and shall be removed in accordance with Index 500. It may be used within the project limits as indicated in Index 505 only when excavated within the project limits and is not to be used when obtained from outside the project limits.

EXHIBIT SS-1
Date: 1/1/06

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
		- - -

ROADWAY SOILS SURVEY

SHEET NO.

$USER$ $DATE$ $TIME$ $FILE$