

COMMONWEALTH OF PENNSYLVANIA



PENNSYLVANIA TURNPIKE COMMISSION

SOIL PROFILE

IN

WESTMORELAND AND SOMERSET COUNTIES

ON

LAUREL HILL TUNNEL BY-PASS, PENNSYLVANIA TURNPIKE

LENGTH OF SURVEY-3.3 MILES

GENERAL NOTES

The information shown by this profile relative to the character of subsurface material has been secured for the exclusive use of the Pennsylvania Turnpike Commission in designing the project, and this information is not to be considered part of the plans, cross sections and the contract, nor as a factor, for computation of prices bid. There is no expressed or implied agreement that the depths or the character of the material have been correctly indicated and bidders shall take into account the possibility that conditions affecting the cost or quantities of work to be done may differ from those indicated.

ROCK LEGEND	
SYMBOL	DESCRIPTION
	Sandstone
	Shale
	Boulders (Fill)

ABBREVIATIONS AND SYMBOLS

- P.T.C. ----- Pennsylvania Turnpike Commission
- A.A.S.H.O. ----- American Assn. State Highway Officials
- Proposed Grade Line
- Existing Ground Line
- Borings (Plotted to vertical scale only)
- Water Table
- ----- Natural Moisture Content (% Dry Wt.)
- ----- "N" Standard Penetration Test (Blows per ft.)

SOIL LEGEND AND CHARACTERISTICS

SYMBOL	P.T.C.-A.A.S.H.O. CLASSIFICATION	DESCRIPTION	GENERAL CHARACTERISTICS	
			CONSISTENCY	STABILITY
	A-1-a	STONE OR GRAVEL AND SAND WITH OR WITHOUT FINES	WITH OR WITHOUT FEEBLY PLASTIC FINES	HIGH STABILITY AT ALL TIMES
	A-1-b			
	A-3	FINE SAND	NON-PLASTIC MAY INCLUDE SOME GRAVEL	HIGH STABILITY WHEN CONFINED
	A-2-4	STONE OR GRAVEL WITH SAND AND SILT	EXCESSIVE FINES EXCESSIVE PLASTICITY OR BOTH	GOOD STABILITY WHEN DRY FAIR STABILITY WHEN WET
	A-2-5			FAIR STABILITY WHEN DRY POOR STABILITY WHEN WET
	A-2-6	STONE OR GRAVEL WITH SAND SILT AND CLAY		GOOD STABILITY WHEN PROPERLY COMPACTED
	A-2-7			
	A-4	SILT AND SAND WITH OR WITHOUT COARSE FRAGMENTS	NON-PLASTIC TO MODERATELY PLASTIC NON-ELASTIC TO HIGHLY ELASTIC	FAIR STABILITY WHEN DRY POOR STABILITY WHEN WET
	A-5	SILT		POOR STABILITY DIFFICULT TO COMPACT
	A-6	CLAY	MEDIUM PLASTICITY LOW TO MEDIUM VOLUME CHANGE	GOOD STABILITY WHEN PROPERLY DRAINED
	A-7-5	CLAY WITH SILT	MODERATE TO HIGH PLASTICITY HIGHLY ELASTIC HIGH TO EXTREME VOLUME CHANGE	FAIR STABILITY WHEN WELL DRAINED
	A-7-6			FAIR TO POOR STABILITY

LABORATORY NUMBERS FOR SAMPLES TESTED

Lab. Nos.

FS501 to FS627 inclusive
except FS591

LOCATION MAP

