Hole No.	A-1			A-2			A-3			A-4			A-5		A-6			A-7			A-8		
Station	497+90			499+00			500+75			502+00			503+00		504+00			506+00			508+00		
Offset	℄			4'			℄			℄			℄		℄			℄			℄		
Depth	3.5'			3.5'			6'			6'			5'		6'			6'			5.5'		
Date	8-29-52			8-29-52			8-29-52			8-29-52			8-29-52		9-4-52			9-4-52			9-4-52		
Sample No.	1-1	1-2	1-3	2-1	2-2	2-3	3-1	3-2	3-3	4-1	4-2	4-3	5-1	5-2	6-1	6-2	6-3	7-1	7-2	7-3	8-1	8-2	8-3
Water Content %	12.9	16.7	23.2					21.2			12.8		24.8					20.2	18.1				
Coarse Material %	0	1	0					4	1		0		1				7	1	2				
Coarse Sand %	2	1	1					4	1		1		1				2	4	2				
Fine Sand %	81	85	4					66	8		94		26				7	31	45				
Silt %	10	7	43					14	38		2		35			N	37	30	23			N	
Clay %	7	6	52					13	52		3		35			4	53	34	28			4	
Liquid Limit %	NLL	NLL	32	*	*	*	*	22	44	*	NLL		38	*	*	*	35	42	26	*	*	*	*
Plastic Limit	NPL	NPL	18					16	20		NPL		20				20	27	15				
Plastic Index	NPI	NPI	14					6	21		NPI		12				15	15	11				
H.R.B. Classif. No.	A-2-4(0)	A-2-4(0)	A-6(9)					A-2-4(0)	A-7-6(13)		A-3(0)		A-6(10)				A-6(10)	A-7-6(13)	A-6(13)				
Mac. Dry Wt. & Opt. Moisture	112.2 @13.3	110.2 @13.0	106.9 @19.7					115.0 @14.8			107.4 @13.8		98.8 @22.6					110.0 @13.3	118.2 @16.2				
Natural Density	107.7	110.5	114.4					121.0			113.4		104.2					103.5	123.1				

Hole No.	A-9			A-10			A-11			A-12			A-13			A-14		
Station	510+50			512+00			514+50			515+00			518+50			521+50		
Offset	℄			℄			℄			℄			℄			℄		
Depth	5'			5'			5'			4.7'			5.5'			6.5'		
Date	9-4-52			9-4-52			9-4-52			9-5-52			9-5-52			9-5-52		
Sample No.	9-1	9-2		10-1	10-2		11-1	11-2	11-3	12-1	12-2	12-3	13-1	13-2	13-3	14-1	14-2	14-3	14-4
Water Content %																			
Coarse Material %								13.0			18								
Coarse Sand %								5			0	1		4					
Fine Sand %								8			2	2		4					
Silt %								51			53	19		21					
Clay %								16			21	27		38					
Liquid Limit %								25			24	51		35					
Plastic Limit								22			29	40		40					
Plastic Index								13			14	19		19					
H.R.B. Classif. No.								9			15	21		21					
Mac. Dry Wt. & Opt. Moisture							A-4(2)	120.3 @12.2			A-6(5) 113.3 @18.2	A-6(12)		A-6(12)					
Natural Density								118.2			115.7								

Hole No.	A-15			A-16			A-17				A-18		
Station	523+00			525+00			526+75				529+00		
Offset	℄			℄			℄				℄		
Depth	5.5'			5'			9'				5'		
Date	9-8-52			9-5-52			9-5-52				9-8-52		
Sample No.	15-1	15-2	15-3	16-1	16-2	16-3	17-1	17-2	17-3	17-4	18-1	18-2	18-3
Water Content %	18.6				19.7								
Coarse Material %	1				0				0	0			
Coarse Sand %	2				1				2	0			
Fine Sand %	81				59				89	30			
Silt %	11	1	2	1	26	3	1	2	3	26			
Clay %	5	4	1	15	14	1	15	4	6	44	7	2	3
Liquid Limit %	NLL	*	*	*	28	*	*	*	NLL	27	*	*	*
Plastic Limit	NPL				17				NPL	15			
Plastic Index	NPI				11				NPI	12			
H.R.B. Classif. No.	A-2-4(0)				A-6(8)				A-2-4(0)	A-6(9)			
Mac. Dry Wt. & Opt. Moisture	107.2 @17.3				112.5 @16.1								
Natural Density	99.7				115.0								

TB^m 1 530+48 6.5' L

① Date Taken 12-15-52.

TB^m 2 530+03 6.5' R

Hole No.	A-19			A-20			A-21			A-22			A-23		A-24			A-25		A-26		
Station	532+00			534+80			537+00			538+00			540+00		541+70			542+75		544+40		
Offset	℄			℄			℄			℄			℄		℄			℄		℄		
Depth	5.5'			5'			5'			5.5'			5'		5'			10'		5'		
Date	9-8-52			9-8-52			9-8-52			9-8-52			9-8-52		9-8-52			9-9-52		9-9-52		
Sample No.	19-1	19-2	19-3	20-1	20-2	20-3	21-1	21-2	21-3	22-1	22-2	22-3	23-1	23-2	24-1	24-2	24-3	25-1	25-2	26-1	26-2	26-3
Water Content %																						
Coarse Material %																						
Coarse Sand %																						
Fine Sand %																						
Silt %	15	4	2	7	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	1	1
Clay %	*	*	*	*	*	*	*	*	*	*	*	*	*	15	*	*	*	*	*	*	7	*
Liquid Limit %																						
Plastic Limit																						
Plastic Index																						
H.R.B. Classif. No.																						
Mac. Dry Wt. & Opt. Moisture																						
Natural Density																						

NOTES
77 Numbers indicate blows per foot on a 2" O.D. Sampler with 140# hammer falling 30".
* Denotes classification of sample by visual inspection as being similar to Sample No. 1-1 except as otherwise noted.
The data shown on Profile Sheets are approximate only and are not guaranteed, and no responsibility by the Commission is assumed for their correctness. This information is furnished to the Bidders and Contractor for whatever value they may derive therefrom, and it is to be used solely at their own risk.

QUANTITIES

No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity

LEGEND

H.R.B. Classification

- A-2-4(0)
- A-3(0)
- A-4(0-4)
- A-4(5-8)
- A-6(9-10)
- A-6(11-16)
- A-7-6(9-14)
- A-7-6(15-20)
- A-7-5(15-17) Organic
- Shell Marl (Calcareous Clay)

Sa. Sand
Si. Silt
Cl. Clay
Lo. Loam
▼ Water Level
⊖ Dry Hole
NLL No Liquid Limit
NPL No Plastic Limit
NPI No Plastic Index

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SOIL PROFILE

STA 497+90 TO STA 545+00

GENERAL INDUSTRIES ENGINEERING CO.
CONTRACTING ENGINEER
DESIGN SECTION D-19

DESIGNED: R.T.W. CHECKED: R.T.W. DATE: 3-3-53
DRAWN: N.J.M. IN CHARGE: R.B.Y. SCALE: Hor. 1"=100' Ver. 1"=10'

CONTRACT No. C-54 SHEET 1 OF 5

Hole No.	A-27	A-28			A-29			A-30			A-31			A-32			A-33			A-34			A-35			A-36			A-37			A-38			A-39			A-40			A-41			A-42			A-43			A-44	A-45			A-46			
Station	546+70	548+00			549+00			549+00			549+00			549+50			551+00			552+10			553+50			556+00			557+50			559+00			561+00			562+00			564+00			566+00			568+00			569+00	571+00			573+00			
Offset	℄	℄			℄			50'L			50'R			℄			℄			℄			℄			℄			℄			℄			℄			℄			℄			℄			℄			℄	℄			℄			
Depth	5'	6'			5.5'			4.5'			5'			7.7'			5'			4.5'			9'			5.5'			5.5'			6'			10.2			6.5'			7.5'			7.5			6'			10.7'	11.5'			11.5'			
Date	9-3-52	9-9-52			9-10-52			9-10-52			9-10-52			9-10-52			9-10-52			9-10-52			9-10-52			9-10-52			9-11-52			9-11-52			9-11-52			9-11-52			9-11-52			9-11-52			9-11-52			9-11-52	9-11-52			9-12-52			
Sample No.	27-1	27-2	28-1	28-2	28-3	28-4	29-1	29-2	29-3	30-1	30-2	30-3	31-1	31-2	31-3	32-1	32-2	32-3	32-4	33-1	33-2	33-3	34-1	34-2	35-1	35-2	35-3	36-1	36-2	36-3	36-4	37-1	37-2	37-3	38-1	38-2	38-3	38-4	39-1	39-2	39-3	40-1	40-2	40-3	41-1	41-2	41-3	42-1	42-2	42-3	43-1	43-2	43-3	43-4	44-1	44-2	44-3	45-1	45-2	45-3	45-4	45-5	46-1	46-2	46-3	46-4	46-5
Water Content %							82.0																																																								
Coarse Material %				0			1	8																																																					
Coarse Sand %				1			1	11																																																					
Fine Sand %				88			27	40																																																					
Silt %				8	2	2	47	16	3																																																				
Clay %				6	4	1	24	25	1																																																				
Liquid Limit				NLL			79	18																																																					
Plastic Limit				NPL			57	11																																																					
Plastic Index				NPI			22	7																																																					
H.R.B. Classif. No.				A-4(8)			A-6(5)	A-6-2																																																					
Max. Dry Wt. & Opt. Moisture							6.2 / 9.5																																																						
Natural Density							89.5																																																						

PROFILE GRADE LINE
+0.23 %
A-30 772.8 50'L
A-31 772.1 50'R
A-7-5(17) Cl.Lo.
A-4(2) Sa.Lo.
A-6(9) Cl.
A-7-5(11) Cl.Lo.
A-4(2) Sa.Lo.
A-6(3) Sa.Lo.
A-6(9) Cl.
A-7-5(17) Cl.Lo.
A-4(2) Sa.Cl.Lo.
A-6(3) Cl.
A-7-6(9) Cl.
A-2-4(0) Sa.
A-2-4(0) Sa.
A-2-4(0) Sa.
A-3(0) Sa.
A-2-4(0) Sa.
A-6(9) Cl.
A-7-5(17) Cl.Lo.
A-4(2) Sa.Lo.
A-6(9) Cl.
A-3(0) Sa.
A-2-4(0) Sa.
A-6(9) Cl.
A-7-6(9) Cl.
A-3(0) Sa.
A-6(9) Cl.
A-7-6(9) Cl.
A-3(0) Sa.
A-6(9) Cl.
A-7-6(9) Cl.
A-4-2 Sa.Cl.Lo.
A-2-4(0) Sa.
A-6(9) Cl.
A-2-4(0) Sa.
A-3(0) Sa.
A-2-4(0) Sa.
A-6(9) Cl.
A-2-4(0) Sa.
A-3(0) Sa.
A-6(9) Cl.
A-2-4(0) Sa.
A-6(3) Sa.Lo.
A-6(9) Cl.
A-2-4(0) Sa.
A-3(0) Sa.
A-6(9) Cl.
A-7-5(17) Cl.Lo.
A-2-4(0) Sa.
A-6(9) Cl.
A-2-4(0) Sa.
A-3

Hole No.	A-66	A-67	A-68	A-69	A-70	A-71	A-72	A-73	A-74	A-75	A-76	A-77	A-78	A-79	A-80	A-81	A-82	A-83	A-84	A-85	A-86	A-87
Station	595+00	596+00	596+00	596+00	596+75	600+00	600+90 Ahead	601+00	603+00	605+00	607+00	609+00	609+25	610+00	610+00	610+00	610+50	611+00	612+45	613+00	613+75	613+75
Offset	℄	℄	100' L	30' R	℄	℄	℄	℄	℄	℄	℄	℄	℄	℄	140' L	60' R	℄	℄	℄	℄	℄	30' L
Depth	4'	6.5'	7'	4.5'	5'	5.25'	6.25'	6.5'	6'	5.5'	5'	5'	7'	6'	6.5'	5.5'	6'	7.5'	7.75'	5'	5'	9.5'
Date	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-16-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52
Sample No.	66-1	66-2	67-1	67-2	67-3	67-4	68-1	68-2	69-1	69-2	69-3	70-1	70-2	70-3	71-1	71-2	71-3	71-4	72-1	72-2	72-3	73-1
Water Content %																						
Coarse Material %																						
Coarse Sand %																						
Fine Sand %																						
Silt %	7-1	13	64-1	2	3	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3
Clay %	52-1	1-3	4	3	2	2	2	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
Liquid Limit	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plastic Limit																						
Plastic Index																						
H.R.B. Classif. No.																						
Max. Dry Wt. #																						
Opt. Moisture																						
Natural Density																						

Hole No.	A-74	A-75	A-76	A-77	A-78	A-79	A-80	A-81	A-82	A-83	A-84	A-85	A-86	A-87
Station	603+00	605+00	607+00	609+00	609+25	610+00	610+00	610+00	610+50	611+00	612+45	613+00	613+75	613+75
Offset	℄	℄	℄	℄	℄	℄	140' L	60' R	℄	℄	℄	℄	℄	30' L
Depth	6'	5.5'	5'	5'	7'	6'	6.5'	5.5'	6'	7.5'	7.75'	5'	5'	9.5'
Date	9-16-52	9-16-52	9-16-52	9-16-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52	9-17-52
Sample No.	74-1	74-2	74-3	75-1	75-2	75-3	75-4	76-1	76-2	76-3	77-1	77-2	77-3	78-1
Water Content %														
Coarse Material %														
Coarse Sand %														
Fine Sand %														
Silt %	1-1	2	3	1-1	2	3	3	1-1	2	3	1-1	2	3	1-1
Clay %	1-3	1-3	3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
Liquid Limit	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plastic Index														
H.R.B. Classif. No.														
Max. Dry Wt. #														
Opt. Moisture														
Natural Density														

Hole No.	A-88	A-89	A-90	A-91	A-92	A-93	A-94	A-95	A-96	A-97	A-98	A-99	A-100	A-101	A-102	A-103	A-104	A-105	A-106	A-107
Station	613+75	614+40	615+50	616+25	616+80	616+80	616+80	617+20	618+50	619+10	619+10	621+05	623+50	627+00	630+20	631+25	634+00	636+00	638+00	641+00
Offset	30' R	℄	℄	℄	℄	30' L	80' R	℄	℄	℄	50' R	℄	℄	℄	℄	℄	℄	℄	℄	℄
Depth	5'	5'	7'	5.5'	8'	3.5'	5.5'	5'	9'	7.5'	6'	6.75'	10.75'	11'	9'	11.5'	11'	8.5'	7'	7.5'
Date	9-17-52	9-17-52	9-17-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-19-52	9-19-52	9-19-52	9-19-52
Sample No.	88-1	88-2	88-3	89-1	89-2	90-1	90-2	90-3	91-1	91-2	92-1	92-2	92-3	92-4	93-1	93-2	94-1	94-2	95-1	95-2
Water Content %																				
Coarse Material %																				
Coarse Sand %																				
Fine Sand %																				
Silt %	7-1	2	3	3	2	2	2	3	1-1	2	3	3	1-1	2	2	3	1-1	2	2	3
Clay %	1-3	1-3	3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
Liquid Limit	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plastic Index																				
H.R.B. Classif. No.																				
Max. Dry Wt. #																				
Opt. Moisture																				
Natural Density																				

Hole No.	A-96	A-97	A-98	A-99	A-100	A-101	A-102	A-103	A-104	A-105	A-106	A-107
Station	618+50	619+10	619+10	621+05	623+50	627+00	630+20	631+25	634+00	636+00	638+00	641+00
Offset	℄	℄	50' R	℄	℄	℄	℄	℄	℄	℄	℄	℄
Depth	9'	7.5'	6'	6.75'	10.75'	11'	9'	11.5'	11'	8.5'	7'	7.5'
Date	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-18-52	9-19-52	9-19-52	9-19-52	9-19-52
Sample No.	96-1	96-2	96-3	97-1	97-2	98-1	98-2	98-3	99-1	99-2	99-3	100-1
Water Content %												
Coarse Material %												
Coarse Sand %												
Fine Sand %												
Silt %	1-1	2	3	1-1	2	2	3	1-1	2	2	3	1-1
Clay %	1-3	1-3	3	1-3	1-3	1-3	3	1-3	1-3	1-3	3	1-3
Liquid Limit	*	*	*	*	*	*	*	*	*	*	*	*
Plastic Index												
H.R.B. Classif. No.												
Max. Dry Wt. #												
Opt. Moisture												
Natural Density												

QUANTITIES

No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity

LEGEND

H.R.B. Classification

- A-2-4 (0)
- A-3 (0)
- A-4 (0-4)
- A-4 (5-8)
- A-6 (3-10)
- A-6 (11-16)
- A-7-6 (9-14)
- A-7-6 (15-20)
- A-7-5 (13-17) Organic
- SHELL Marl (Calcareous Clay)

Sa Sand
Si Silt
Cl Clay
Lo Loam
▼ Water Level
NLL No Liquid Limit
NPL No Plastic Limit
NPI No Plastic Index
⊖ Dry Hole

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SOIL PROFILE

STA 595+00 TO STA 642+00

GENERAL INDUSTRIES ENGINEERING CO.
CONTRACTING ENGINEER
DESIGN SECTION D-19

DESIGNED: K.T.W. CHECKED: K.T.W. DATE: 3-4-53
DRAWN: W.A.D. IN CHARGE: R.A.V. SCALE: Horiz. 1"=20' Vert. 1"=10'

CONTRACT No. C-54 SHEET 3 OF 5

Hole No.	A-108			A-109		
Station	644+00			647+00		
Offset	℄			℄		
Depth	5'			5'		
Date	9-19-52			9-19-52		
Sample No.	108-1	108-2	108-3	109-1	109-2	109-3
Water Content %						
Coarse Material %						
Coarse Sand %						
Fine Sand %						
Silt %	25-1	4-2	17-3	25-1	4-2	1-3
Clay %	*	*	*	*	*	*
Liquid Limit						
Plastic Limit						
Plastic Index						
H.R.B. Classif. No.						
Max. Dry Wt. lb.						
Opt. Moisture						
Natural Density						

Hole No.	A-110			A-111			A-112						A-113			A-114			A-115						A-116			A-117			A-118			A-119		
Station	649+00			651+00			655+00						658+00			660+65			662+00						665+00			670+00			671+50			675+00		
Offset	℄			℄			℄						℄			℄			℄						℄			℄			℄			℄		
Depth	5'			5'			0'						5'			6'			6.5'						5.5'			11.5'			9'			11'		
Date	9-22-52			9-22-52			9-22-52						9-22-52			9-22-52			9-22-52						9-22-52			9-22-52			9-22-52			9-22-52		
Sample No.	110-1	110-2	110-3	110-4	111-1	111-2	112-1	112-2	112-3	112-4	112-5	113-1	113-2	113-3	114-1	114-2	114-3	115-1	115-2	115-3	115-4	116-1	116-2	116-3	116-4	117-1	117-2	117-3	118-1	118-2	118-3	119-1	119-2	119-3
Water Content %																																				
Coarse Material %																																				
Coarse Sand %																																				
Fine Sand %	1-1				25-1							1-1			25-1			25-1				25-1				1-1			1-1			1-1			1-1		
Silt %		4-2	17-3	1-3		17-3	1-1	4-2	1-3	4-2	25-2		4-2	1-3		4-2	1-3		4-2	17-3	25-2		4-2	17-3	1-3		4-2	17-3		4-2	17-3		4-2	17-3		4-2	
Clay %	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Liquid Limit																																				
Plastic Limit																																				
Plastic Index																																				
H.R.B. Classif. No.																																				
Max. Dry Wt. lb.																																				
Opt. Moisture																																				
Natural Density																																				

Hole No.	A-120			A-121			A-122			A-123			A-124			A-125			A-126			A-127			A-128			A-129	A-130			A-131			T.B. #1			T.B. #2			A-132
Station	677+00			678+00			679+00			680+00			681+00			682+00			684+30			686+40			688+00			688+00	688+00			689+00			689+51			689+13			690+36
Offset	℄			℄			℄			℄			℄			℄			℄			℄			℄			40' L	60' R			℄			65' L			65' R			℄
Depth	11.5'			9'			9'			7.5'			7'			6.5'			7.5'			8'			6.5'			5'	6'			6.5'									5'
Date	9-23-52			9-23-52			9-28-52			9-23-52			9-23-52			9-24-52			9-24-52			9-24-52			9-24-52			9-24-32	9-24-52			9-24-52									9-24-52
Sample No.	120-1	120-2	121-1	121-2	122-1	122-2	122-3	123-1	123-2	123-3	124-1	124-2	124-3	125-1	125-2	125-3	125-4	126-1	126-2	126-3	126-4	127-1	127-2	127-3	127-4	128-1	128-2	128-3	128-4	128-5	129-1	129-2	130-1	130-2	130-3	130-4	131-1	131-2	131-3	131-4	129-1	131-2
Water Content %																																										
Coarse Material %																																										
Coarse Sand %																																										
Fine Sand %	1-1																																									
Silt %		4-2	1-1	4-2	1-1	4-2	17-3	1-1	4-2	17-3	62-1	4-2	17-3	1-1	4-2	17-3	3-3	15-1	1-3	17-3	62-2	1-1	4-2	17-3	45-4	15-1	4-2	62-2	62-4	3	15-1	1-3	25-1	1-3	17-3	3-3	25-1	1-3	17-3	3-3	25-1	25-2
Clay %	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Liquid Limit																																										
Plastic Limit																																										
Plastic Index																																										
H.R.B Classif. No.																																										
Max. Dry Wt. lb.																																										
Opt. Moisture																																										
Natural Density																																										

QUANTITIES

No.	Item	Location & Remarks	Unit	Estimated Quantity	Final Quantity

Legend

H.R.B Classification

- A-2-4(0)
- A-3(0)
- A-4(0-4)
- A-4(6-8)
- A-6(3-10)
- A-6(11-16)
- A-7-6(13-14)
- A-7-6(18-20)
- A-7-5(13-17) Organic
- SHELL Marl (Calcareous Clay)

Sa. Sand
Si. Silt
Cl. Clay
Lo. Loam
▼ Water Level
⊖ Dry Hole
NLL No Liquid Limit
NPL No Plastic Limit
NPI No Plastic Index

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SOIL PROFILE

STA 642+00 TO STA 690+36

GENERAL INDUSTRIES ENGINEERING CO.
CONTRACTING ENGINEER
DESIGN SECTION D-19

DESIGNED: K.T.W. | CHECKED: W.A.D. | DATE: 3-4-53
DRAWN: K.T.W. | IN CHARGE: R.B.Y. | SCALE: Hor. 1" = 100 Ver. 1" = 20

CONTRACT No. C-54 SHEET 4 OF 5

Typical Compaction Curve (Sample 1-1)

H.R.B. No.	RAMP-APPROACH						RAMP "A"						RAMP "B"						RAMP "C" & "D"					
Station	13+00	24+00					30+10			30+60			34+00						28+00			32+00		
Offset	E	E					As Shown			As Shown			As Shown						As Shown			As Shown		
Depth	7'	9.5'					5'			5'			7'						9'			7'		
Date	11-10-52	11-10-52					11-12-52			11-12-52			11-12-52						11-10-52			11-10-52		
Sample No.	133-1	134-1	134-2	134-3	134-4	135-1	135-2	135-3	136-1	136-2	136-3	137-1	137-2	137-3	137-4	137-5	138-1	138-2	138-3	138-4	139-1	139-2	139-3	139-4
Water Content %																								
Coarse Material %			0	1																				
Coarse Sand %			0																					
Fine Sand %			82																					
Silt %	2	4-2	13	13	3	1-1	4-2	1-3	1-1	4-2	1-3	1-1	4-2	1-3	1-3	3	4-2	1-3	3	1-1	4-2	1-3	1-3	3
Clay %	3	3	5	17-3	3	1-1	1-3	1-3	1-1	4-2	1-3	1-1	4-2	1-3	1-3	3	4-2	1-3	3	1-1	4-2	1-3	1-3	3
Liquid Limit	*	*	NLL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plastic Limit			NPL																					
Plastic Index			NPI																					
H.R.B. Classif. No.			A-2-4(0)																					
Max. Dry Wt. & Opt. Moisture																								
Natural Density																								

Hole No.	RAMP "C" & "D"															RAMP "C"		RAMP "D"		
Station	A-140				A-141			A-142			A-143			A-144		A-145		A-146		
Offset	38+50				40+25			42+00			42+00			42+50		45+50		46+00		
Depth	As Shown				As Shown			As Shown			As Shown			As Shown		As Shown		As Shown		
Date	5.5'				6'			6.5'			7'			6'		6'		6.5'		
Sample No.	11-10-52				11-10-52			11-10-52			11-10-52			11-10-52		11-12-52		11-10-52		
Water Content %	140-1	140-2	140-3	140-4	141-1	141-2	141-3	142-1	142-2	142-3	142-4	143-1	143-2	143-3	143-4	144-1	144-2	144-3	145-1	145-2	145-3	146-1	146-2	146-3
Coarse Material %																								
Coarse Sand %																								
Fine Sand %																								
Silt %	23-1	4-2	17-3	3	1-1	4-2	1-3	25-1	64-1	64-2	3	1-1	4-2	64-2	3	1-1	4-2	17-3	1-1	17-3	3	1-1	4-2	17-3
Clay %	*	*	*	*	*	*	1-3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Liquid Limit																								
Plastic Limit																								
Plastic Index																								
H.R.B. Classif. No.																								
Max. Dry Wt. & Opt. Moisture																								
Natural Density																								

Typical Gradation Curve (Sample 1-1)

Legend

H.R.B. Classification			
A-2-4 (0)		Sa.	Sand
A-3 (0)		Si.	Silt
A-4 (0-4)		Cl.	Clay
A-4 (5-8)		Lo.	Loam
A-6 (3-10)		▼	Water Level
A-6 (11-16)		⊖	Dry Hole
A-7-6 (9-14)		NLL	No Liquid Limit
A-7-6 (15-20)		NPL	No Plastic Limit
A-7-5 (13-17) Organic		NPI	No Plastic Index
SHELL Marl (Calcareous Clay)			

EXIT 3

No.	Revision	By	Date

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SOIL PROFILE

INTERCHANGE RAMP

GENERAL INDUSTRIES ENGINEERING CO.
CONTRACTING ENGINEER
DESIGN SECTION D-19

DESIGNED: A.F.W. | CHECKED: A.F.W. | DATE: 3-4-53
DRAWN: A.W.S. | IN CHARGE: R.B.Y. | SCALE: Hor. (5/16) Ver. (1/16)

CONTRACT No. C-54 | SHEET 5 OF 5