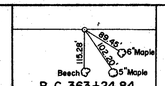
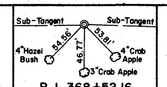
MICROFILMED
DEC 10 1987

RAMP A
CURVE DATA
P.I. Sta. 6+96.31
Δ = 8°45'41" Lt.
D = 3°00'
R = 1909.86'
L = 292.04'
T = 146.31



CURVE DATA FOR TRANSITION LT. LANES
CONTROL ON MEDIAN EDGE
P.I. 102.5' Lt. ℄ Sta. 355+39.17
Δ = 2°38'10" Rt.
D = 0°06'00"
R = 57295.80'
T = 1318.29'
L = 2636.11'



Sta. 370+01.86 ℄ S.R.1 =
Sta. 124+96.89 ℄ Reloc. S.R.44

Heavy Underbrush

Heavy Underbrush
Small Trees 8" & Less

NOTE: The Project Engineer is to mark all trees to be saved in the Median Area. Underbrush in these limits to be cleared as specified under Item L-6. All trees within 50' of the pavement edge shall be removed.

CURVE DATA FOR TRANSITION RT. LANES
CONTROL ON MEDIAN EDGE

Δ = 4°59' 35.07" Rt.
D = 0° 15' 00"
R = 22918.32'
L = 1997.23'
T = 999.25'
P.R.C. 71.11' Rt. ℄ Sta. 355+92.52
P.T. 42.00' Rt. ℄ Sta. 375+91.64

S.R. I
CURVE DATA
P.I. Sta. 368+52.16
Δ = 2° 38' 10" Rt.
D = 0° 15' 00"
R = 22918.32'
L = 1054.45'
T = 527.32'
E = 5.96'

RAMP C
CURVE DATA
P.I. Sta. 2+57.08
Δ = 7° 42' 02.95" Rt.
D = 1° 30' 00"
R = 3819.72'
L = 513.39'
T = 257.08'
E = 8.64'

B.M. # 40 Lag Bolt in root of 6" Poplar
118' Rt. of Sta. 366+85
Elev. 860.06

Sta. 0+00 / ℄ Ramp C

Sta. 370+01.86 ℄ S. R. 1 =
Sta. 124+96.89 ℄ Reloc. SR 44

Grate Elev. Std. # 5 C.B. 26' Lt. Sta. 361+00 851.75
℄ 15" I-2 @ Std. # 5 C.B. 26' Lt. Sta. 361+00 849.50
℄ 6" I-4 @ Std. # 5 C.B. 26' Lt. Sta. 361+00 850.08
℄ 15" I-2 @ Outlet 841.60

Grate Elev. Std. # 5 C.B. 29' Rt. Sta. 362+50 853.98
℄ 15" I-2 @ Std. # 5 C.B. 29' Rt. Sta. 362+50 851.50
℄ 6" I-4 @ Std. # 5 C.B. 29' Rt. Sta. 362+50 852.08
℄ 15" I-2 @ Outlet 850.62

Grate Elev. @ Std. # 5 C.B. 101' Lt. Sta. 369+00 845.06
℄ 15" I-2 @ Std. # 5 C.B. 101' Lt. Sta. 369+00 842.63

℄ 15" I-2 @ Std. # 1 Manhole 16' Rt. Sta. 369+00 839.78
℄ 21" I-2 @ Std. # 1 Manhole 16' Rt. Sta. 369+00 839.28
℄ 21" I-2 (21) @ Std. # 1 Manhole 16' Rt. Sta. 369+00 840.36

Grate Elev. Std. # 5 C.B. 114' Rt. Sta. 369+00 844.84
℄ 15" I-2 @ Std. # 5 C.B. 114' Rt. Sta. 369+00 841.84

478' - 21" I-2 @ 1.25 %

+1.334 %

REF NO.	STATION FROM	STATION TO	SIDE	CL "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) or M-6.8 (b) 8"	15"	STORM SEWER SEC. M-65 (a) or M-6.8 (a) 21"	8" OUTLET PIPE SEC. M-64 (a)	6" PIPE UNDER DRAIN SHALLOW	6" PIPE UNDER DRAIN DEEP	6" PIPE UNDER DRAIN SEC. M-64 (n)
				L I N. F T.						
1-D	Ramp A 5+50	8+00	LT				10	260		
2-D	360+00	371+00	LT	106				250	632	250
3-D	360+00	368+66	LT				10	894		
4-D	360+00	368+83	RT		72			889	879	
5-D	360+00	368+57	RT				10			
6-D	Ramp A 5+50	7+00	LT							
7-D	360+00	361+00	LT							
8-D	360+00	362+50	RT							
9-D	360+50	362+50	RT			172				
10-D	361+00					88				
11-D	362+50	369+00	LT							
12-D	364+50	371+00	LT							
13-D	366+50	371+00	LT							
14-D	368+50	371+00	RT			2.10				
15-D	369+00									
16-D	369+00	371+00	RT			478				

REF NO.	STATION FROM	STATION TO	SIDE	DEPTH OF SODDING FT.	SLOPES F	SLOPES B	WIDTH OF SODDING FT.	LENGTH FT.	S.Y.
SODDING LEFT DITCH									
	5+50	Ramp A		0.2	4:1	4:1	3.6	150	60
	7+00			0.2	4:1	4:1	3.6		
	364+50			0.4	8:1	8:1	10.4	450	600
	369+00			0.6	8:1	8:1	13.6		
								SUBTOTAL	660
SODDING RIGHT DITCH									
	360+50			0.35	8:1	6:1	8.9	100	99
	361+50			0.35	8:1	6:1	8.9	100	83
	362+50			0.4	6:1	4:1	6.0		
								SUBTOTAL	182

REF NO.	STATION FROM	STATION TO	SIDE	DEPTH OF SODDING FT.	SLOPES F	SLOPES B	WIDTH OF SODDING FT.	LENGTH FT.	S.Y.
SODDING LEFT MEDIAN									
	360+00			.42	6:1	6:1	7.1	100	80
	361+00			.45	6:1	6:1	7.4		
	366+50			.3	8:1	6:1	8.2	450	445
	371+00			.4	8:1	6:1	9.6		
								SUBTOTAL	525

REF NO.	STATION FROM	STATION TO	SIDE	DEPTH OF SODDING FT.	SLOPES F	SLOPES B	WIDTH OF SODDING FT.	LENGTH FT.	S.Y.
SODDING RIGHT MEDIAN									
	360+00			0.4	8:1	6:1	9.6	250	267
	362+50			0.4	8:1	6:1	9.6		
	368+50			0.3	8:1	6:1	8.2	250	238
	371+00			0.35	8:1	6:1	8.9		
								SUBTOTAL	505

REF NO.	STATION FROM	STATION TO	SIDE	T-71 I-22 E-101 10" CONC. BASE	6" SUB COMP. SUBG.
				S.Y.	C.Y.
Ⓟ PAVEMENT					
1-P	367+50	370+00	RT.	78	13
2-P	360+50	367+50	RT.	860	143
	TOTALS			938	156

REF NO.	STATION FROM	STATION TO	SIDE	L-6 GUARD RAIL, STEEL BEAM, TYPE (DEEP) NO. 2-8	L-6 GUARD RAIL, STEEL BEAM, TYPE (DEEP) NO. 2-8	ROADSIDE CLEANUP
				L.F.	L.F.	UNITS
Ⓡ ROADWAY						
1-R	Ramp A 5+50	8+00	LT.		250	
2-R	360+30	371+00	LT.		175	
3-R	360+33	371+00	LT.		62.5	
4-R	368+74	371+00	RT.	25	187.5	
5-R	366+36	371+00	RT.		250	
6-R	360+00	362+64	℄			4
	TOTALS			25	1025.0	4

EXCAVATION Sta. 360+00 – 370+00	= 68,545 C.Y.
EMBANKMENT	= 22,791 C.Y.
EMBANKMENT +17.5%	= 26,779 C.Y.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	AC I- 1103 (21)	

21
488

LAKE COUNTY
LAK-I-12.89
This sheet supersedes sheet no. 21 of the original plan.

27 Oct. '38 STA. 360+00 TO STA. 371+00