CONTRACT NO. C-22
COUNTY - LORAIN STA. 865+00 TO 1100+02.01
CUYAHOGA STA. 0+00 TO 5+00
DATE: APRIL 24, 1953

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

DESIGN SECTION D-7

CONTRACT NO. C-22

TURNPIKE CONSTRUCTION CONTRACT

STATION 865+00 TO STATION 5+00

U.S. GEOLOGICAL SURVEY QUADS.

LOCATION PLAN

TOTAL LENGTH OF CONTRACT = 23,602.01 L.F. = 4.470 M.

EQUATIONS { 1076+00 BACK = 1080+00 AHEAD
1100+02.01 BACK = 0+00 AHEAD

1 0 1 2

SCALE IN MILES

APPROVAL RECOMMENDED
KNAPPEN · TIPPETTS · ABBETT · McCARTHY
CONTRACTING ENGINEER
James H. Stratton
11-6-53

APPROVED
J. E. GREINER CO.
CONSULTING ENGINEER
J. J. Jenkins Jr.
11-9-53

APPROVED
OHIO TURNPIKE COMMISSION
CHIEF ENGINEER
11-10-53

INDEX OF CONTRACT DRAWINGS

TITLE	SHEET NO.
COVER SHEET	1
INDEX SHEET	2
SUMMARY SHEET	3
SUMMARY SHEET (CONTINUED)	4
PLAN & PROFILE STA. 865 + 00 TO 889 + 00	5
PLAN & PROFILE STA. 889 + 00 TO 913 + 50	6
PLAN & PROFILE STA. 913 + 50 TO 941 + 00	7
PLAN & PROFILE STA. 941 + 00 TO 968 + 50	8
PLAN & PROFILE STA. 968 + 50 TO 996 + 00	9
PLAN & PROFILE STA. 996 + 00 TO 1023 + 00	10
PLAN & PROFILE STA. 1023 + 00 TO 1050 + 00	11
PLAN & PROFILE STA. 1050 + 00 TO 1081 + 00	12
PLAN & PROFILE STA. 1081 + 00 TO 5 + 00	13
RACE ROAD INTERSECTION PLAN & PROFILE	14
MADDOCK ROAD INTERSECTION PLAN & PROFILE	15
WOOSTER AVON LAKE ROAD STATE ROUTE 76 INTERSECTION PLAN & PROFILE	16
ROOT ROAD, INTERSECTION PLAN & PROFILE	17
BEREA ROAD INTERSECTION PLAN & PROFILE	18
INTERCHANGE KEY PLAN STATE ROUTE 10	19
INTERCHANGE GENERAL PLAN-STATE ROUTE 10	20
INTERCHANGE DETAIL PLAN - STATE ROUTE 10	21
INTERCHANGE DETAIL PLAN - STATE ROUTE 10	21A
RAMP R3, REVISED ALIGNMENT	22-23
INTERCHANGE DETAIL PLAN - STATE ROUTE 10	24
INTERCHANGE DETAIL PLAN - STATE ROUTE 10	25
INTERCHANGE PROFILES-RAMPS	26
INTERCHANGE PROFILES-RAMPS	27
INTERCHANGE PROFILES-RAMPS	28
DOUBLE BARREL 18' x 7' R. C. BOX CULVERT - MADDOCK RD. STA. 0 - (0 + 23)	29
DOUBLE BARREL 18' x 7' R. C. BOX CULVERT - TURNPIKE STA. 914 + 70	30
SINGLE BARREL 12' x 5' R. C. BOX CULVERT - TURNPIKE STA. 933 + 40	31
DOUBLE BARREL 14' x 6' R. C. BOX CULVERT - TURNPIKE STA. 993 + 51	32
SINGLE BARREL 16' x 6' R. C. BOX CULVERT - TURNPIKE STA. 1097 + 00	33
RACE ROAD BRIDGE - GENERAL PLAN AND SECTIONS	34
RACE ROAD BRIDGE - FRAMING PLAN AND SECTIONS	35
RACE ROAD BRIDGE - ABUTMENTS	36
MADDOCK ROAD BRIDGE - GENERAL PLAN AND SECTIONS	37
MADDOCK ROAD BRIDGE - FRAMING PLAN AND SECTIONS	38
MADDOCK ROAD BRIDGE - ABUTMENTS	39
WOOSTER - AVON LAKE ROAD BRIDGE - GENERAL PLAN AND SECTIONS	40
WOOSTER - AVON LAKE ROAD BRIDGE - FRAMING PLAN AND SECTIONS	41
WOOSTER - AVON LAKE ROAD BRIDGE - ABUTMENTS	42
ROOT ROAD BRIDGE - GENERAL PLAN AND SECTIONS	43
ROOT ROAD BRIDGE - FRAMING PLAN AND SECTIONS	44
ROOT ROAD BRIDGE - ABUTMENTS	45
CHESTNUT RIDGE ROAD BRIDGE - GENERAL PLAN AND SECTIONS	46
CHESTNUT RIDGE ROAD BRIDGE - FRAMING PLAN AND SECTIONS	47
CHESTNUT RIDGE ROAD BRIDGE - N. W. AND N. E. ABUTMENTS	48
CHESTNUT RIDGE ROAD BRIDGE - S. W. AND S. E. ABUTMENTS	49
CHESTNUT RIDGE ROAD BRIDGE - PIERS	50
TURNPIKE OVER ROUTE 10 RAMP - GENERAL PLAN AND SECTIONS	51
TURNPIKE OVER ROUTE 10 RAMP - FRAMING PLAN AND SECTIONS	52
TURNPIKE OVER ROUTE 10 RAMP - N. W. AND N. E. ABUTMENTS	53
TURNPIKE OVER ROUTE 10 RAMP - S. W. AND S. E. ABUTMENTS	54
TURNPIKE OVER ROUTE 10 RAMP - PIERS	55
TURNPIKE OVER ROUTE 10 - GENERAL PLAN AND SECTIONS	56
TURNPIKE OVER ROUTE 10 - FRAMING PLAN AND SECTIONS	57
TURNPIKE OVER ROUTE 10 - N. W. AND N. E. ABUTMENTS	58
TURNPIKE OVER ROUTE 10 - S. W. AND S. E. ABUTMENTS	59
TURNPIKE OVER ROUTE 10 - PIERS	60
ROUTE 10 RAMP OVER CHESTNUT RIDGE ROAD - GENERAL PLAN AND SECTIONS	61
ROUTE 10 RAMP OVER CHESTNUT RIDGE ROAD - FRAMING PLAN AND SECTIONS	62
ROUTE 10 RAMP OVER CHESTNUT RIDGE ROAD - ABUTMENTS	63
ROUTE 10 RAMP OVER CHESTNUT RIDGE ROAD - PIERS	64
RAMP OVER ROUTE 10 - GENERAL PLAN AND SECTIONS	65
RAMP OVER ROUTE 10 - FRAMING PLAN AND SECTIONS	66
RAMP OVER ROUTE 10 - ABUTMENTS	67
RAMP OVER ROUTE 10 - PIERS	68
MAIN LINE BRIDGE - NEW YORK CENTRAL SYSTEM - GENERAL PLAN AND SECTIONS	69
MAIN LINE BRIDGE - NEW YORK CENTRAL SYSTEM - FRAMING PLAN AND SECTIONS	70
MAIN LINE BRIDGE - NEW YORK CENTRAL SYSTEM - DETAILS	71
MAIN LINE BRIDGE - NEW YORK CENTRAL SYSTEM - ABUTMENTS	72
MAIN LINE BRIDGE - NEW YORK CENTRAL SYSTEM - PIERS	73
BEREA ROAD BRIDGE - GENERAL PLAN AND SECTIONS	74
BEREA ROAD BRIDGE - FRAMING PLAN AND SECTIONS	75
BEREA ROAD BRIDGE - ABUTMENTS	76
RACE, MADDOCK, WOOSTER-AVON LAKE, ROOT AND BEREA BRIDGES - PIERS	77
RACE, MADDOCK, WOOSTER-AVON LAKE, ROOT AND BEREA BRIDGES - DETAILS	78
SINGLE BARREL 10' x 5' R.C. BOX CULVERT STATE ROUTE 10 STA. 23 + 89.7	

SUPERELEVATION ROTATED ABOUT CENTER LINE OF PAVEMENT

SKETCH SHOWING TRAFFIC DETOURS AND TEMPORARY RUNAROUNDS

NOTE ① TRAFFIC ON RACE RD. TO BE REROUTED VIA A TEMPORARY RUNAROUND LOCATED EAST OF THE EXISTING RACE RD. DURING THE CONSTRUCTION OF RACE RD. BRIDGE.

NOTE ② TRAFFIC ON MADDOCK RD. TO BE REROUTED VIA A TEMPORARY RUNAROUND LOCATED EAST OF EXISTING MADDOCK RD. DURING THE CONSTRUCTION OF MADDOCK RD. BRIDGE.

NOTE ③ TRAFFIC ON WOOSTER AVON LAKE RD. TO BE REROUTED VIA A TEMPORARY RUNAROUND LOCATED EAST OF EXISTING WOOSTER AVON LAKE RD. DURING THE CONSTRUCTION OF THE WOOSTER AVON LAKE RD. BRIDGE.

NOTE ④ TRAFFIC ON ROOT RD. TO BE REROUTED VIA A TEMPORARY RUNAROUND LOCATED EAST OF EXISTING ROOT RD. DURING THE CONSTRUCTION OF THE ROOT RD. BRIDGE.

NOTE ⑤ TRAFFIC TO BE MAINTAINED ON CHESTNUT RIDGE RD. DURING THE CONSTRUCTION OF THE TURNPIKE BRIDGE SPANNING THE EXISTING CHESTNUT RIDGE RD.

NOTE ⑥ RECONSTRUCTION OF LORAIN RD. (STATE ROUTE 10) AND CONSTRUCTION OF TURNPIKE BRIDGE OVER LORAIN RD. AND BRIDGE SPANNING TURNPIKE RAMP OVER LORAIN ROAD TO TAKE PLACE UNDER TRAFFIC.

NOTE ⑦ CONSTRUCTION OF TURNPIKE BRIDGE OVER MAIN LINE OF NEW YORK CENTRAL SYSTEM TO TAKE PLACE WITHOUT INTERRUPTION TO RAILROAD TRAFFIC ON THIS LINE.

NOTE ⑧ TRAFFIC ON BEREA RD. TO BE REROUTED VIA A TEMPORARY RUNAROUND LOCATED NORTHWEST OF EXISTING BEREA RD. DURING CONSTRUCTION OF THE BEREA RD. BRIDGE.

REFERENCE TO SPECIFICATIONS:

THIS PROJECT SHALL BE CONSTRUCTED UNDER OHIO TURNPIKE PROJECT NO. 1, GENERAL SPECIFICATIONS, DATED DECEMBER 9, 1952

SPECIAL PROVISIONS FOR CONTRACT C-22

SUPPLEMENTAL	SPECIFICATION	A-5	DATED AUGUST	7, 1953
SUPPLEMENTAL	SPECIFICATION	B-20	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	B-35	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	T-10	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	T-30	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	T-35	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	I-9	DATED DECEMBER	9, 1952
SUPPLEMENTAL	SPECIFICATION	I-16	DATED FEBRUARY	3, 1953
SUPPLEMENTAL	SPECIFICATION	I-30	REVISED JULY	9, 1953
SUPPLEMENTAL	SPECIFICATION	I-18	DATED MAY	28, 1953
SUPPLEMENTAL	SPECIFICATION	I-17	DATED MAY	28, 1953
SUPPLEMENTAL	SPECIFICATION	I-29	DATED MAY	28, 1953

NOTES:

ELEVATIONS REFER TO MEAN SEA LEVEL, U. S. COAST AND GEODETIC SURVEY. THE NORTH INDICATED AND REFERRED TO IS THE GRID NORTH OF THE NORTH ZONE OF THE OHIO STATE LAMBERT PROJECTION SYSTEM

PIPE LEGEND:

THE FOLLOWING SYMBOLS HAVE BEEN USED TO DESIGNATE THE VARIOUS PIPE TYPES USED.

SSRCCP	STANDARD STRENGTH REINFORCED CONCRETE CULVERT PIPE.
BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE.
PIBCCMP	PAVED INVERT BITUMINOUS COATED CORRUGATED METAL PIPE.
SSPCCP	STANDARD STRENGTH PLAIN CEMENT CONCRETE PIPE.
SRCSP	STANDARD REINFORCED CONCRETE SEWER PIPE.
EODT	EXTRA QUALITY DRAIN TILE.
SSVCP	STANDARD STRENGTH VITRIFIED CLAY PIPE.
ESVCP	EXTRA STRENGTH VITRIFIED CLAY PIPE.
WIP	WELDED WROUGHT IRON PIPE.

INDEX OF STANDARD DRAWINGS

TITLE	STANDARD DWG. NO.	DATED
TURNPIKE DITCH DETAILS	1	5- 6-53
STANDARD HEADWALLS-FOR PIPE SIZES 48" & UNDER	2	1-20-53
STANDARD HEADWALLS-FOR PIPE SIZES OVER 48"	3	1-20-53
TYPICAL ROADWAY SECTIONS	4	5- 6-53
HANDRAIL DETAILS	5	5- 6-53
INLETS AND CURBS	6	12-21-53
MANHOLES	7	5- 6-53
PAVEMENT REINFORCEMENT & DETAILS	8	10-20-53
TRANSVERSE PAVEMENT JOINTS, TYPE A	9	2- 7-53
TRANSVERSE PAVEMENT JOINTS, TYPE B	10	5- 6-53
PAVEMENT JOINT SPACING	11	12-31-52
RIGHT OF WAY FENCE & GATES	12	5- 6-53
RIGHT OF WAY FENCE INSTALLATION DETAILS	13	5- 6-53
PERMANENT BARRICADE, PERMANENT MONUMENT & DELINEATORS	14	3-18-54
DRAINAGE DETAILS FOR TURNPIKE OVERPASSES & UNDERPASSES	15	4-27-53
UNDERDRAINS	16	1-20-53
GUARD RAILS, TYPE A & TYPE B	17	1-24-53
GUARD RAILS, TYPE C & TYPE D	18	5- 6-53
AGRICULTURAL TILE DRAINAGE-TYPICAL DETAILS	19	12- 5-52
FLOOD GATES FOR RIGHT OF WAY FENCE	20	1- 6-53
TRANSVERSE PAVEMENT JOINTS, TYPE C	21	1-23-53
CULVERT PIPE BEDDING AND BACKFILL	22	2-19-53

LEGEND

NEW MANHOLE	EXISTING STORM OR SANITARY SEWER
NEW INLET	EXISTING WATER LINE
HYDRANT	BUILDINGS NOT TO BE DISTURBED
EXISTING MANHOLE	BUILDINGS WITHIN R.O.W. TO BE TORN DOWN OR MOVED
EXISTING CATCH BASIN OR INLET	EXISTING ROAD
MONUMENT	PROPOSED DRAINAGE DITCH
TEL. POLE	O.B.T. OHIO BELL TELEPHONE
POWER POLE	O.E. OHIO EDISON
COMB. TEL. & POWER POLE (JOINT)	C.E.I. CLEVELAND ELECTRIC ILLUMINATING CO.
WATER OR GAS VALVE	EXISTING GAS LINE
WATER OR GAS METER	GUARD RAIL

NO.	REVISION	BY	DATE
1	AS BUILT		7/15/56

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

INDEX SHEET

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: J. H. CHECKED: J. R. DATE: 4-27-53
DRAWN: J. H. IN CHARGE: E. F. G. SCALE:

CONTRACT NO. C-22 SHEET 1 OF 78

REFERENCE NUMBER	SPECIFICATION ITEM NUMBER	DESCRIPTION	UNIT	SHEET NUMBERS 4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	24	28	29	30	31	32	78	TOTALS	PROPOSAL QUANTITIES
		ROADWAY																													
1	E-1	Roadway Excavation	C.Y.																												
2	E-4	Borrow	C.Y.																												
3	E-8	Removal and Disposal of Existing Pavement	S.Y.																												
4	E-11	Water	M Gal.																												
5	E-12	Pipe Removed - Under 16"	L.F.																												
6	E-12	Pipe Removed - 16" and Over	L.F.																												
7	I-12	Concrete Curb Type I	L.F.																												
8	I-12	Concrete Curb, Type II	L.F.																												
9	I-12	Combination Curb and Gutter, Type III	L.F.																												
10	I-12	Combination Curb and Gutter,																													
		Type III Modified "A"	L.F.																												
11	I-12	Combination Curb and Gutter,																													
		Type III Modified "B"	L.F.																												
12	I-13	Walks - 6" I-17 Side Approaches																													
		and Mail Box Turnouts	S.F.																												
13	I-15	Guard Rail, Type "A"	L.F.																												
14	I-15	Guard Rail, Type "B"	L.F.																												
15	I-15	Guard Rail, Type C-1 or C-2	L.F.																												
16	I-15	Guard Rail, Type D-3	L.F.																												
17	I-23	Right of Way Fence, Type II	L.F.																												
18	I-24	Delineators	Each																												
19	I-26	Permanent Monuments and																													
		Station Markers	Each																												
20	I-27	Classified Embankment Material	Cu.Yd.																												
21	I-28	Temporary Cattle Fence	L.F.																												
22	L-3	Placing Stockpiled Topsoil	S.Y.																												
23	L-3	Bonemeal and Rawbone	Ton																												
24	L-3	Organic Fertilizer	S.Y.																												
25	L-6	Roadside Cleanup	L.S.																												
26	L-9	Commercial Fertilizer, 8-16-8	Ton																												
27	L-9	Agricultural Hydrated Lime	Ton																												
28	L-9	Agricultural Ground Limestone	Ton																												
29	L-9	Bonemeal or Rawbone	Ton																												
30	L-9	Seeding and Protecting, Type A	S.Y.																												
31	L-19	Seeding and Mulching																													
		(special Seeding)	S.Y.																												
		DRAINAGE																													
34	E-2	Excavation for Structures	C.Y.																												
35	E-3	Channel Excavation	C.Y.																												
36	S-1	Concrete for Structures (Class C)	C.Y.																												
37	S-4	Reinforcing Steel	Lb.																												
38	S-27	Pipe for Roadway Culverts - 18" S.S.R.C.C.P.	L.F.																												
39	S-27	Pipe for Roadway Culverts - 24" S.S.R.C.C.P.	L.F.																												
40	S-27	Pipe for Roadway Culverts - 30" S.S.R.C.C.P.	L.F.																												
41	S-27	Pipe for Roadway Culverts - 36" S.S.R.C.C.P.	L.F.																												
42	S-27	Pipe for Roadway Culverts - 54" S.S.R.C.C.P.	L.F.																												
43	S-27	Pipe for Roadway Culverts - 60" S.S.R.C.C.P.	L.F.																												
44	S-27	Pipe for Roadway Culverts - 24" E.S.R.C.C.P.	L.F.																												
45	S-27	Pipe for Roadway Culverts - 42" E.S.R.C.C.P.	L.F.																												
46	I-1	Pipe for Driveways 15" S.S.R.C.C.P.	L.F.																												
47	I-1	Pipe for Driveways 18" S.S.R.C.C.P.	L.F.																												
48	I-2	Storm Sewers - 15" S.S.R.C.C.P.	L.F.																												
49	I-2	Storm Sewers - 18" S.S.R.C.C.P.	L.F.																												
50	I-2	Storm Sewers - 15" S.R.C.S.P. or S.S.V.C.P.	L.F.																												
33	I-2	Storm Sewers - 30" S.S.R.C.C.P.	L.F.																												
51	I-2	Storm Sewers - 24" S.S.R.C.C.P. or S.S.V.C.P.	L.F.																												
52	I-2	Storm Sewers - 36" S.R.C.S.P. or S.S.V.C.P.	L.F.																												
53	I-2	Storm Sewers - 78" S.R.C.S.P.	L.F.																												
54	I-2	Storm Sewers - 6" S.S.R.C.C.P. or S.S.V.C.P.	L.F.																												
55	I-2	Storm Sewers - 15" S.S.R.C.C.P. or S.S.V.C.P.	L.F.																												
56	I-2	Storm Sewers - 15" P.I.B.C.C.M.P. - 14 Ga.	L.F.																												
57	I-4	6" Pipe Underdrain, Type A	L.F.																												
58	I-5	Pipe Special - 6" S.S.R.C.C.P. - 1/16 Bend	Ea.																												
59	I-5	Pipe Special - 15" S.S.R.C.C.P. - 1/16 Bend	Ea.																												
60	I-5	Pipe Special - 15" B.C.C.M.P. - 1/16 Bend - 14 Ga.	Ea.																												
	I-1	Pipe for Driveways 18" C.M.P.	L.F.																												

REFERENCE NUMBER	SPECIFICATION ITEM NUMBER	DESCRIPTION	UNIT	SHEET NUMBERS 33	36	39	42	45	50	55	60	64	68	73	TOTALS	PROPOSAL QUANTITIES
		STRUCTURES														
91	E-2	Excavation for Structures (Dry)	C.Y.													
92	T-35	Asphaltic Concrete Surface														
		Course, Type C	C.Y.													
93	S-1	Concrete for Structures (Class C)	C.Y.													
94	S-3	Waterproofing - Type C	S.Y.													
95	S-4	Reinforcing Steel	Lb.													
96	S-7	Structural Steel	Lb.													
97	S-9	Structural Expansion and / or														
		Contraction Joints	Lb.													
98	S-14	Metal Hand Rail, Type A	L.F.													
99	S-14	Metal Hand Rail, Type B	L.F.													
100	S-16	First Test Pile	Ea.													
101	S-17	Pile Test Load	Ea.													
102	S-18	Furnishing Bearing Piles, Steel - 10BP42	L.F.													
103	S-18	Driving Bearing Piles - Steel - 10 BP42	L.F.													
104	S-18	Splices for Steel Bearing Piles - 10BP42	Ea.													
105	S-18	Furnishing Bearing Piles, Steel - 10BP53	L.F.													
106	S-18	Driving Bearing Piles - Steel - 12BP53	L.F.													
107	S-18	Splices for Steel Bearing Piles - 12BP53	Ea.													
108	S-19	Soil Load Bearing Test	Ea.													
109	S-29	Drainage of Structures - 6" Pipe	L.F.													
110	S-29	Drainage of Structures - 6" W.I. Pipe	L.F.													
111	S-29	Drainage of Structures - 8" Pipe	L.F.													
112	S-29	Drainage of Structures - Scuppers, Type A	Ea.													
113	S-29	Drainage of Structures - Scuppers, Type B	Ea.													
114	I-14	Paved Ditches - 6" Grouted Stone	S.Y.													
115	I-15	Guard Rail Type A	L.F.													
116	I-24	Delineators	Ea.													
		MISCELLANEOUS														
120	I-29	Construction Contract Information Signs	Ea.													
		Maintenance of Traffic	L.S.													
		Engineers Office Bldg's & Facilities	L.S.													

NOTE

SEE FINAL ESTIMATE AND RECAPITULATION OF QUANTITIES FOR CONTRACT SECTION C-22 FOR FINAL TOTAL QUANTITIES.

NO.	REVISION	BY	DATE
1	AS BUILT		10/8/56

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SUMMARY SHEET

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: | CHECKED: J. R. | DATE: 4-27-53
DRAWN: J. T. | IN CHARGE: E.F.G. | SCALE:

CONTRACT NO. C-22 SHEET 2 OF 78

REFERENCE NUMBER	SPECIFICATION ITEM NUMBER	DESCRIPTION	UNIT	SHEET NUMBERS 4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	24	28	29	30	31	32	78	TOTALS	PROPOSAL QUANTITIES
		DRAINAGE (cont'd)																													
61	I-8	Manholes, Type I	Ea.																												
62	I-8	Manholes, Type II	Ea.																												
63	I-8	Inlets, Type A	Ea.																												
64	I-8	Inlets, Type A-1	Ea.																												
65	I-8	Inlets, Type B	Ea.																												
66	I-9	Stone Underdrains No. 1	L.F.																												
67	I-10	Riprap, Type A	S.Y.																												
68	I-14	Paved Ditches-6" Grouted Stone	S.Y.																												
69	I-16	Catch Basins Abandoned	Ea.																												
70	I-30	Farm Tile Drains-6" EQDT	L.F.																												
71	I-30	Farm Tile Drains-8" EQDT	L.F.																												
72	I-30	Farm Tile Drains-10" EQDT	L.F.																												
73	I-30	Farm Tile Drains-12" EQDT	L.F.																												
74	I-30	6" Pipe Outlets for Tile Drains	L.F.																												
75	I-30	8" Pipe Outlets for Tile Drains	L.F.																												
76	I-30	10" Pipe Outlets for Tile Drains	L.F.																												
77	I-30	12" Pipe Outlets for Tile Drains	L.F.																												
		PAVEMENT																													
78	B-20	Waterbound Macadam Base Course-8"																													
		Laid in 2-4" Courses	S.Y.																												
79	B-20	Waterbound Macadam Base Course-5"	S.Y.																												
80	B-35	Asphaltic Concrete Base and/or Leveling																													
		Course	C.Y.																												
81	B-35	Sealing Vertical Face of Existing Pavement	L.F.																												
82																															
83	T-30	Bituminous Prime Coat-MC-0	Gal.																												
84	T-30	Bituminous Prime Coat-M5,7 Rt-2 or M5,7 Rt-3	Gal.																												
85	T-33	Bituminous Macadam Surface Course-3"	S.Y.																												
86	T-35	Asphaltic Concrete Surface Course Type A	C.Y.																												
87	T-71	Reinforced Portland Cement Concrete																													
		Pavement-10"	S.Y.																												
89	I-22	Selected Sub-base	C.Y.																												
90	I-17	Side Approaches and Mail Box Turnouts	C.Y.																												
	T-10	Traffic Compacted Surface Course 6"	C.Y.																												
	T-71	Reinforced Portland Cement Concrete																													
		Pavement-8"	S.Y.																												

NOTE

SEE FINAL ESTIMATE AND RECAPITULATION OF QUANTITIES FOR CONTRACT SECTION C-22 FOR FINAL TOTAL QUANTITIES.

NO.	REVISION	BY	DATE
1	AS BUILT		10/8/56

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

SUMMARY SHEET

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED:	CHECKED: T.K.	DATE: 4-27-53
DRAWN: J.R.	IN CHARGE E.F.G.	SCALE:

CONTRACT NO. C-22 SHEET 3 OF 78

For Berea Road Intersection Plan and Profile, see Sheet No. 17.
For Details of Berea Road Bridge, Structure #11, see Sheets No. 73, 74, 75, 76, 77.

Sta. 1083+80 to Sta. 1084+80
109.6'-18" SSPCCP - 75' Lt of ℄
2 Type A-Headwalls.

O.E. & North Eaton Tel. Co.

Install Type B Guard Rail from Sta. 1097+40 to Sta. 1098+36 on north side; and from Sta. 1095+12 to Sta. 1096+40 on south side.

Sta. 1097+00
235'-16' x 6' R.C. Box Culvert
For Details see Sheet # 32

Sta. 1084+50
75.5'-18" SSRCCP
Type A Headwall 54' Rt. ℄
Type A Headwall 61.4' Rt. ℄

Sta. 1088+00
163.1'-18" SSRCCP (S-27)
Type A Headwall 77' Lt ℄
Type A Headwall 83' Rt ℄.

Sta. 1091+00
72.7'-18" SSRCCP
Type A Headwall 8.2' Rt. ℄
Type A Headwall 84' Rt. ℄
℄ Median Strip 2.8' Rt.

Sta. 1100+50
91.3'-15" SSRCCP
Type A-1 Inlet 2.8' Rt. ℄
Type A Headwall 84' Rt. ℄
℄ Median Strip 2.8' Rt.

CURVE DATA
P.I. = 1109+30.15 (Contract 22) =
P.I. = 5+07.28 Ahead (Contract 21)
Δ = 51°-20'-57"
Δc = 48°-25'-57"
Dc = 1°-10'-00"
ARC = 4151.36'
RAD = 4911.07'
S.E. = 1/4 in. per ft.

SPIRAL CURVE DATA
Ls = 250.00'
θs = 1°-27'-30"
Ts = 2486.11'
Es = 538.58'

PLAN
SCALE: 1 IN. = 100 FT.

SECTION B-B

Notes:

Type-2 R.O.W. fences and gates shall be constructed along both sides of Turnpike in accordance with latest Fencing Standard Drawing Nos. 12 & 13.

Install Type A Guard Rail in accordance with Standard Drawing No. 17.

Delineators shall be installed 100 ft. apart and 1 ft. from edge of paved shoulder from Sta. 1083+00 to Sta. 5+00. One series shall be adjacent to the outside 10 ft. shoulder of the south pavement and another series adjacent to the inside 8 ft. shoulder of the north pavement.

SECTION C-C
90' of Entrance Channel and 1080' of Exit Channel

SECTION A-A

END OF CONTRACT C-22
STA. 5+00

PROFILE
SCALE: HOR. 1 IN. = 100 FT.
VERT. 1 IN. = 10 FT.

QUANTITIES

NO.	ITEM	LOCATION & REMARKS	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
	ROADWAY				
E-1	Roadway Excavation		Cu.Yd.	37,804	34,855
E-11	Water		M.Gal.	217	70
I-15	Guard Rail, Type A		Lin.Ft.	228	249
I-23	Right of Way Fence, Type 2		Lin.Ft.	4,780	4,785
I-24	Delineators		Ea.	48	44
I-26	Permanent Monuments and Station Markers		Ea.	2	2
L-3	Placing Stockpiled Topsoil		Sq.Yd.	13,330	14,408
I-15	Guad Rail Type B		L.Ft.	0	224
L-9	Commercial Fertilizer, 10-20-10	EW(RV)6	Ton	0	1.1
L-9	Agricultural Hydrated Lime		Ton	2	5.6
L-9	Seeding Type A	EW(RV)6	Sq.Yd.	0	13,562
L-19	Special Seeding	EW(RV)6	Sq.Yd.	0	26,314
	DRAINAGE				
E-3	Channel Excavation		Cu.Yd.	2,920	1,610.6
S-1	Concrete for Structures (Class C)		Cu.Yd.	9.7	12.0
S-4	Reinforcing Steel		Lb.	494	696.9
I-2	Storm Sewers-18" SSRCCP		Lin.Ft.	312	257.8
I-2	Storm Sewers-15" SSRCCP		Lin.Ft.	76	91.3
I-2	Storm Sewers-18" SSPCCP		Lin.Ft.	100	108.6
I-8	Inlets, Type A-1		Ea.	1	1
S-27	18" SSRCCP		L.F.	0	163.1
	PAVEMENT				
T-33	Bituminous Macadam Surface Course - 3"		Sq.Yd.	9,600	9,611
T-71	Reinforced Portland Cement Concrete Pavement - 10"		Sq.Yd.	12,800	12,889
I-22	Selected Sub-Base		Cu.Yd.	5,920	7547.9
I-30	Pipe Outlet for Tile Drain 6" CMP		L.Ft.		10

NO.	REVISION	BY	DATE
1	As Built		10-8-56

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1

PLAN AND PROFILE
LORAIN COUNTY — CUYAHOGA COUNTY
STA. 1081+00 TO STA. 5+00

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: A.T.	CHECKED: A.K.	DATE: 4-27-'53
DRAWN: T.F.	IN CHARGE: E.F.G.	SCALE: AS NOTED

CONTRACT NO. C- 22 SHEET 12 OF 78

QUANTITIES

NO.	ITEM	LOCATION & REMARKS	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
	ROADWAY				
E-1	Roadway Excavation		Cu.Yd.	128	157
E-8	Removal and Disposal of Existing Pavement		Sq.Yd.	747	12327
E-11	Water		M Gal.	153	15
E-12	Pipe Removal 16" & larger		Lin.Ft.	50	26
I-3	Placing Topsoil		Sq.Yd.		1,726
L-9	Comm. Fertilizer	EWO (RV) 6	Ton		.1
L-9	Seeding Type A	EWO (RV) 6	Sq.Yd.		1,726
I-15	Guard Rail, Type D-3		Lin.Ft.	1,099	1123
L-19	Special Seeding	EW (RV) 6	Sq.Yd.	0	7,634
	DRAINAGE				
E-2	Excavation for Structures		Cu.Yd.	63	125.1
S-1	Concrete for Structures (Class C)		Cu.Yd.	6.0	6.0
S-4	Reinforcing Steel		Lb.	268	292.9
S-27	Pipe for Roadway Culverts - 30" SSRCCP		Lin.Ft.	112	112.9
I-2	8" CMP (16 Ga)		Lin.Ft.	0	16
I-30	8" E.O.D.T.		Lin.Ft.	0	121
I-9	Stone Underdrains			0	138
	PAVEMENT				
B-20	Waterbound Macadam Base Course 8" (Laid in 2-4" Courses)		Sq.Yd.	2,627	2,633.1
T-35	Asphaltic Concrete Leveling Course		Cu.Yd.	91	92
B-35	Sealing Vertical Face of Existing Pavement		Lin.Ft.	32	0
I-17	Side Apprs. and Mailbox Turnouts				
	Course		Cu.Yd.	92	148.6
T-30	Bituminous Prime Coat-MC-0		Gal.	920	1,259.6
T-35	Asphaltic Concrete Surface Course, Type A		Cu.Yd.	91	92

NO.	REVISION	BY	DATE
1	AS BUILT		10-8-56

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

BEREA ROAD INTERSECTION PLAN AND PROFILE

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: M.P.	CHECKED: A.C.O.	DATE: 4-27-53
DRAWN: J.E.L.	IN CHARGE: E.F.G.	SCALE: AS NOTED

CONTRACT NO. C-22 SHEET 17 OF 78

PLAN

SCALE: 1 IN. = 20 FT

TRANSVERSE SECTION

SCALE: 1 IN. = 10 FT.

LOCATION PLAN

SCALE: 1 IN = 500 FT.

THE DECK ON THIS STRUCTURE HAS BEEN REPLACED. SEE RMP 43-83-04 FOR REVISIONS.

GENERAL NOTES

Design in accordance with Design Specifications for Highway Structures, State of Ohio, Oct. 1, 1951.
Predicted frequency per lane of 30.
Superstructure: Concrete slab on W F stringers.
Substructure: Piers on spread footings.
Abutments on spread footings.
All elevations refer to Mean Sea Level Datum as established by U.S. Coastal and Geodetic Survey.
For details of borings, see Master Soil Profile, Contract C-22, and respective laboratory logs in book entitled "Ohio Turnpike Project No. 1 Subsurface Exploration Logs, Contract C-22".

ELEVATION

SCALE: 1 IN = 20 FT.

TURNPIKE PROFILE

SCALE: VERT. 1 IN. = 5 FT.
HORIZ. 1 IN. = 50 FT.

REFERENCE DRAWINGS

Framing Plan	Sheet	74
Abutments	Sheet	75
Piers	Sheet	76
Parapet Details	Sheet	77
Roadway Expansion Joint	Sheet	77
Handrail Details	Standard Drawing No. 5	
Drainage Details	Standard Drawing No. 15	
Guard Rail Details	Standard Drawing No. 17	

LONGITUDINAL SECTION

SCALE: 1 IN = 20 FT.

SUMMARY OF QUANTITIES

ITEM No.	DESCRIPTION	UNIT	ABUT.	PIERS	SUPERSTR.	GENERAL	TOTAL
E-2	Excavation for Structures	Cu. Yd.	450.4	217.5			667.9
S-1	Concrete for Structures - Class C	Cu. Yd.	291.2	195.1	233.8		720.1
S-4	Reinforcing Steel	lbs.	17,300	51,042.9	34,500.4		102,843.4
S-7	Structural Steel	lbs.			175,902		175,902
S-9	Structural Expansion and/or Contraction Joints.	lbs.			6,047		6,047
S-14	Railing Type B	L.F.			513.4		513.4
S-29	Drainage of Structure - Scuppers Type B	Each			4		4
S-29	Drainage of Structure - 6" W.I.P.	L.F.				126.7	126.7
S-29	Drainage of Structures - 6" Pipe	L.F.				186	186
S-29	Drainage of Structures - 8" Pipe	L.F.				81	81
I-14	Paved Ditches - Stone and Grout 6"	Sq. Yd.				2	2

STRUCTURE NO. 11

NO.	REVISION	BY	DATE
2	Deck Replacement / Parapet Fence Added		
	See RMP. 43-83-04		1983
△	AS BUILT		10/8/86

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

BEREA ROAD BRIDGE
GENERAL PLAN AND SECTIONS

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: O.A.	CHECKED: H.S.	DATE: 4-24-53
DRAWN: A.V.G.	IN CHARGE: O.A.	SCALE: AS NOTED

CONTRACT NO. C-22 SHEET 73 OF 78

FRAMING PLAN

SCALE 3/32 IN. = 1 FT.

DECK CROSS-SECTION

SCALE 1/2 IN. = 1 FT.

CAMBER DIAGRAM FOR STRINGERS

FOR VERTICAL CURVE + DEAD LOAD

THE DECK ON THIS STRUCTURE HAS BEEN REPLACED. RMP 43-83-04 FOR REVISIONS.

ELEVATION OF STRINGER

SCALE 1/2 IN. = 1 FT.

NOTES

For general notes see Sheet 73
For structural steel notes see Sheet 34
For concrete notes see Sheet 35
For details of Sole & Masonry Pls. See Sheet 77
For details of joints in deck & safety curb see sheet 77.

NO.	REVISION	BY	DATE
2	DECK REPLACEMENT & PARAPET FENCE ADDED		
	SEE RMP: 43-83-04		1983
1	AS BUILT		11/8/54

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

BEREA ROAD BRIDGE
FRAMING PLAN AND SECTIONS

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: O.A.	CHECKED: L.P.	DATE: 4-24-53
DRAWN: P.F.	IN CHARGE: O.A.	SCALE: AS NOTED

STRUCTURE NO. 11

CONTRACT NO. C-22 SHEET 74 OF 78

ABUTMENT PLAN
(SLAB REMOVED)
SCALE: ¼" = 1 FT.

SECTION B-B
SCALE: ⅜" = 1 FT.

SLAB PLAN
SCALE: ¼" = 1 FT.

END ELEVATION
SCALE: ⅜" = 1 FT.

SECTION A-A
SCALE: ⅜" = 1 FT.

SECTION C-C
SCALE: ¼" = 1 FT.

FRONT ELEVATION
SCALE: ¼" = 1 FT.

THE DECK ON THIS STRUCTURE HAS BEEN REPLACED. SEE RMP 43-83-04 FOR REVISIONS.

NOTES

For Concrete Notes see Sheet 35.
Maximum Soil Bearing Pressure = 6 kips/sq.ft.
For General Notes, see Sheet 73.

STRUCTURE NO. 11

NO.	REVISION	BY	DATE
2	Deck Replacement & Parapet Fence Added See RMP: 43-83-04		1983
1	AS BUILT		10/6/86

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

BEREA ROAD BRIDGE
ABUTMENTS

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: O.A.	CHECKED: H.S.	DATE: 4-24-53
DRAWN: P. CLARK	IN CHARGE: O.A.	SCALE: AS NOTED

CONTRACT NO. C-22 SHEET 75 OF 78

PLAN

SCALE 1 3/8 IN = 1 FT.

END PIERS (RACE ROAD, MADDOCK ROAD, WOOSTER-AVON LAKE ROAD)

SECTION A-A

SCALE: 1/2 IN. = 1 FT.

SECTION B-B

SCALE: 1/2 IN = 1 FT.

PLAN

NOTE X.

1 - This view refers to center pier for: Race Road, Maddock Road and Wooster-Avon Lake Road.

2 - This view refers to all piers for Berea Road

3 - This view of columns and cap beam also applies to all piers for Root Road.

See Footing Plan of piers for Root Road on this sheet for variation in footing

ELEVATION

SCALE: 3/8 IN. = 1 FT.

END VIEW

SCALE: 3/8 IN. = 1 FT.

ELEVATION

SCALE: 1/8 IN. = 1 FT.

PIERS FOR ROOT ROAD

NOTES

For General Notes see Sheets 33, 36, 39, 42 & 73.
For Concrete Notes see Sheet 35
Maximum Soil Pressure = 3 Tons/Sq. ft. for all piers on Race Road, Maddock Road and Berea Road
Maximum Soil Pressure for piers on Wooster-Avon Lake Road as follows:
Piers 1 & 3 1 3/4 Tons/Sq. ft.
Pier 2 3 Tons/Sq. ft.
Maximum Rock Bearing Pressure on Root Road Piers = 7 1/2 Tons/Sq. ft.

THE DECK ON THIS STRUCTURE HAS BEEN REPLACED. SEE RMP 43-83-04 FOR REVISIONS.

NAME OF BRIDGE	PIER NO.	ELEV. OF FOOTING	PIER ELEV.	DIMENSIONS F	G	H	I	J	K	L	M
RACE ROAD	Pier 1	720.00	744.87	85°21'00"	2'-6"	19.37	11'-0"	30'-2"	8'-7"	3'-0"	5'-9"
	Pier 2	720.00	745.04	do	do.	19.54	11'-0"	do.	do.	do.	do.
	Pier 3	720.00	744.87	do	do.	19.37	11'-0"	do.	do.	do.	do.
MADDOCK ROAD	Pier 1	726.00	746.61	84°36'45"	do.	15.11	10'-0"	do.	do.	do.	do.
	Pier 2	723.00	746.78	do.	do.	18.28	10'-0"	do.	do.	do.	do.
	Pier 3	726.00	746.61	do.	do.	15.11	10'-0"	do.	do.	do.	do.
WOOSTER AVON LAKE ROAD	Pier 1	731.50	752.45	89°30'53"	3'-0"	14.95	10'-0"	37'-4"	12'-2"	do.	7'-7"
	Pier 2	726.00	752.53	do.	do.	20.53	10'-0"	do.	do.	do.	do.
	Pier 3	732.00	752.45	do.	do.	14.45	10'-0"	do.	do.	do.	do.
ROOT ROAD	Pier 1	735.00	761.26	54°00'29"	2'-6"	20.76	—	—	13'-8½"	do.	6'-9"
	Pier 2	735.00	761.77	do.	do.	21.27	—	—	do.	do.	do.
	Pier 3	735.00	761.77	do.	do.	21.27	—	—	do.	do.	do.
	Pier 4	735.00	761.26	do	do.	20.76	—	—	do.	do.	do.
BEREA ROAD	Pier 1	778.00	79[illegible].72	55°00'00"	3'-[illegible]	12.72	6'-0"	35'-0"	11'-0½"	do.	5'-9"
	Pier 2	776.25	797.19	do.	do.	14.94	8'-0"	do.	do.	do.	do.
	Pier 3	776.25	797.19	do.	do.	14.94	6'-0"	do.	do.	do.	do.
	Pier 4	778.00	79[illegible].72	do.	do.	12.72	6'-0"	do.	do.	do.	do.

NAME OF BRIDGE	PIER NO.	REINFORCEMENT a	b	c	d	e	f	g	h	i, j, k	l	m	n
RACE ROAD	Pier 1	4-1"□	6-1"□	8-1"□	36-1⅛"□	10-1¼"□	8-1¼"□	10-1¼"□	36-1⅛"□	3/8"φ	44-⅝"φ	22-⅝"φ	24-⅝"φ
	Pier 2	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
	Pier 3	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
MADDOCK ROAD	Pier 1	do.	do.	do.	do.	do.	do.	do.	do.	3/8"φ	do.	do.	do.
	Pier 2	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
	Pier 3	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
WOOSTER AVON LAKE ROAD	Pier 1	4-1¼"□	6-1¼"□	8-1¼"□	36-1¼"□	do	do.	do.	36-1¼"□	3/8"φ	44-⅞"φ	26-⅝"φ	32-⅝"φ
	Pier 2	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
	Pier 3	do.	do.	do.	do.	10-1¼"□	8-1¼"□	10-1¼"□	do.	3/8"φ	do.	do.	do.
ROOT ROAD	Pier 1	4-1"□	6-1"□	8-1"□	do.	—	—	—	do	3/8"φ	—	—	36-⅝"φ
	Pier 2	do.	do.	do.	do.	—	—	—	do	3/8"φ	—	—	do.
	Pier 3	do.	do.	do.	do.	—	—	—	do	3/8"φ	—	—	do.
	Pier 4	do.	do.	do.	do.	—	—	—	do	3/8"φ	—	—	do.
BEREA ROAD	Pier 1	do.	do.	do.	36-1¼"□	10-1¼"□	8-1¼"□	10-1¼"□	do	3/8"φ	44-⅝"φ	24-⅝"φ	29-⅝"φ
	Pier 2	do.	do.	do.	do.	do.	do.	do.	do.	3/8"φ	do.	do.	do.
	Pier 3	do.	do.	do.	do.	do.	do.	do.	do.	3/8"φ	do.	do.	do.
	Pier 4	do.	do.	do.	do.	do.	do.	do.	do.	3/8"φ	do.	do.	do.

STRUCTURES NO'S. 1, 2, 3, 4, & 11

NO.	REVISION	BY	DATE
△	AS BUILT		10/8/54

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

RACE, MADDOCK, WOOSTER AVON LAKE, ROOT & BEREA BRIDGES
PIERS

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: O.A. | CHECKED: L.P. | DATE: 4-24-53
DRAWN: A.V.G. | IN CHARGE: O.A. | SCALE: AS NOTED

CONTRACT NO. C-22 SHEET 76 OF 78

BEARINGS
SCALE: 1 1/2 IN. = 1 FT.

SECTION B-B
SCALE: 1 IN. = 1 FT.

SAFETY CURB EXPANSION JOINT
SCALE: 1 IN. = 1 FT.

ROADWAY EXPANSION JOINT AT ABUTMENT
FOR SOUTH ABUTMENT ROOT ROAD BRIDGE
FOR WEST ABUTMENT BEREA ROAD BRIDGE
SCALE: 1 IN. = 1 FT.

ROADWAY EXPANSION JOINT AT PIER
SCALE: 1 IN. = 1 FT.

ROADWAY JOINT TEETH
SCALE: 1 1/2 IN. = 1 FT.

ROADWAY EXPANSION JOINT AT ABUTMENTS
SCALE: 1 IN. = 1 FT.

FOR NORTH ABUTMENT ROOT ROAD BRIDGE
FOR EAST ABUTMENT BEREA ROAD BRIDGE

PARAPET
SCALE: 3/4 IN. = 1 FT.

SECTION F-F
SCALE: 1 IN. = 1 FT.

SECTION G-G
SCALE: 1 IN. = 1 FT.

TYPICAL ROCKER SHOES AT ABUTMENT
SCALE: 1 IN. = 1 FT.

SECTION D-D
SCALE: 1 IN. = 1 FT.

ROADWAY FIXED JOINT AT ABUTMENT
SCALE: 1 IN. = 1 FT.

FIXED SHOE
TYPICAL ROCKER SHOES AT PIER 2
SCALE: 1 IN. = 1 FT.

SECTION C-C
SCALE: 1 IN. = 1 FT.

SECTION E-E
SCALE: 1 1/2 IN. = 1 FT.

Bridge	A (Curb or Sidewalk) East Side	A (Curb or Sidewalk) West Side	B	C	D
Race Rd.	1'-6"	1'-6"	⅜"	¾" Monolithic	7"
Maddock Rd.	1'-6"	1'-6"	⅜"	¾" Monolithic	7"
Wooster-Avon Lake Rd.	4'-6"	1'-10"	E ⅜" / W ⅜"	1½" Bituminous	7½"
Root Rd.	1'-6"	1'-6"	⅜"	¾" Monolithic	7½"
Berea Rd.	1'-6"	1'-6"	⅜"	¾" Monolithic	7"

NOTES

For General Notes see Sheets 33, 36, 39, 42 & 73.
For Structural Steel Notes see Sheet 34.

STRUCTURES NOS. 1, 2, 3, 4, & 11

NO.	REVISION	BY	DATE
1	AS BUILT		12/16/56

OHIO TURNPIKE COMMISSION

OHIO TURNPIKE PROJECT NO. 1

RACE, MADDOCK, WOOSTER AVON LAKE, ROOT & BEREA BRIDGES
TYPICAL DETAILS

KNAPPEN - TIPPETTS - ABBETT - McCARTHY
CONTRACTING ENGINEER
DESIGN SECTION D-7

DESIGNED: Q.A.	CHECKED: L.P.	DATE: 4-24-53
DRAWN: WP	IN CHARGE: Q.A.	SCALE: AS NOTED

CONTRACT NO. C-22 SHEET 77 OF 78