

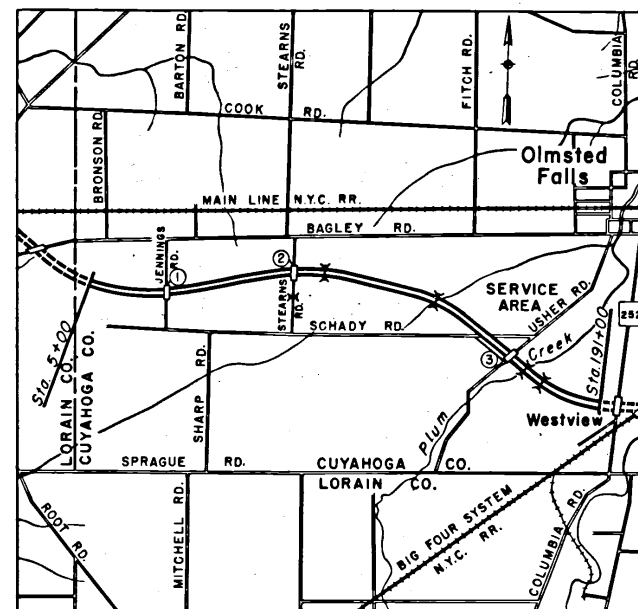


CONTRACT NO. C-21
COUNTY - CUYAHOGA
DATE: MARCH 13, 1953

OHIO TURNPIKE COMMISSION

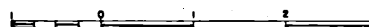
OHIO TURNPIKE PROJECT NO. 1
DESIGN SECTION D-7

CONTRACT NO. C-21 TURNPIKE CONSTRUCTION CONTRACT STATION 5+00 TO STATION 191+00 MASTER SOIL PROFILE



LOCATION PLAN

UNITED STATES GEOLOGICAL SURVEY QUADS



SCALE IN MILES

APPROVAL RECOMMENDED
KNAPPEN · TIPPETTS · ABBETT · MC CARTHY
CONTRACTING ENGINEER

APPROVED
J. E. GREINER CO.
CONSULTING ENGINEER

APPROVED
OHIO TURNPIKE COMMISSION

CHIEF ENGINEER

INDEX OF CONTRACT DRAWINGS

TITLE

COVER SHEET

INDEX SHEET

SUMMARY SHEET

PLAN & PROFILE STA. 5+00 TO 30+00

PLAN & PROFILE STA. 30+00 TO 57+00

PLAN & PROFILE STA. 57+00 TO 84+00

PLAN & PROFILE STA. 84+00 TO 111+00

PLAN & PROFILE STA. 111+00 TO 138+50

PLAN & PROFILE STA. 138+50 TO 165+50

PLAN & PROFILE STA. 165+50 TO 191+00

JENNINGS ROAD INTERSECTION PLAN & PROFILE

STEARNS ROAD INTERSECTION PLAN & PROFILE

USHER ROAD INTERSECTION PLAN & PROFILE

SCHADY ROAD RELOCATION PLAN & PROFILE

JENNINGS ROAD BRIDGE - GENERAL PLAN & SECTIONS

JENNINGS ROAD BRIDGE - FRAMING PLANS & SECTIONS

JENNINGS ROAD BRIDGE - ABUTMENTS

STEARNS ROAD BRIDGE - GENERAL PLANS & SECTIONS

STEARNS ROAD BRIDGE - FRAMING PLANS & SECTIONS

STEARNS ROAD BRIDGE - ABUTMENTS

USHER ROAD BRIDGE - GENERAL PLAN & SECTIONS

USHER ROAD BRIDGE - FRAMING PLANS & SECTIONS

USHER ROAD BRIDGE - ABUTMENTS

PIERS

DETAILS

10' X 5' R.C. BOX CULVERTS - STEARNS RD STA. 20+76 & LYNN DR.

10' X 5' R.C. BOX CULVERT - TURNPIKE STA. 82+29

DOUBLE BARREL 12' X 6' R.C. BOX CULVERT - TURNPIKE STA. 127+04

THREE BARREL 18' X 8' R.C. BOX CULVERT - TURNPIKE STA. 163+35

10' X 7.5' R.C. BOX CULVERT - TURNPIKE STA. 174+40

PROPOSED ACCESS ROADS FOR ADMINISTRATION AREA

INDEX OF STANDARD DRAWINGS

TITLE

TURNPIKE DITCH DETAILS

STANDARD HEADWALLS - FOR PIPE SIZES 48" & UNDER

STANDARD HEADWALLS - FOR PIPE SIZES OVER 48"

TYPICAL ROADWAY SECTIONS

HANDRAIL DETAILS

INLETS AND CURBS

MANHOLES

PAVEMENT REINFORCEMENT & DETAILS

TRANSVERSE PAVEMENT JOINTS, TYPE A

TRANSVERSE PAVEMENT JOINTS, TYPE B

PAVEMENT JOINT SPACING

RIGHT OF WAY FENCE & GATES

RIGHT OF WAY FENCE INSTALLATION DETAILS

PERMANENT BARRICADE, PERMANENT MONUMENT & DELINEATORS

DRAINAGE DETAILS FOR TURNPIKE OVERPASSES & UNDERPASSES

UNDERDRAINS

GUARD RAILS TYPE A & TYPE B

GUARD RAILS TYPE C & TYPE D

AGRICULTURAL TILE DRAINAGE - TYPICAL DETAILS

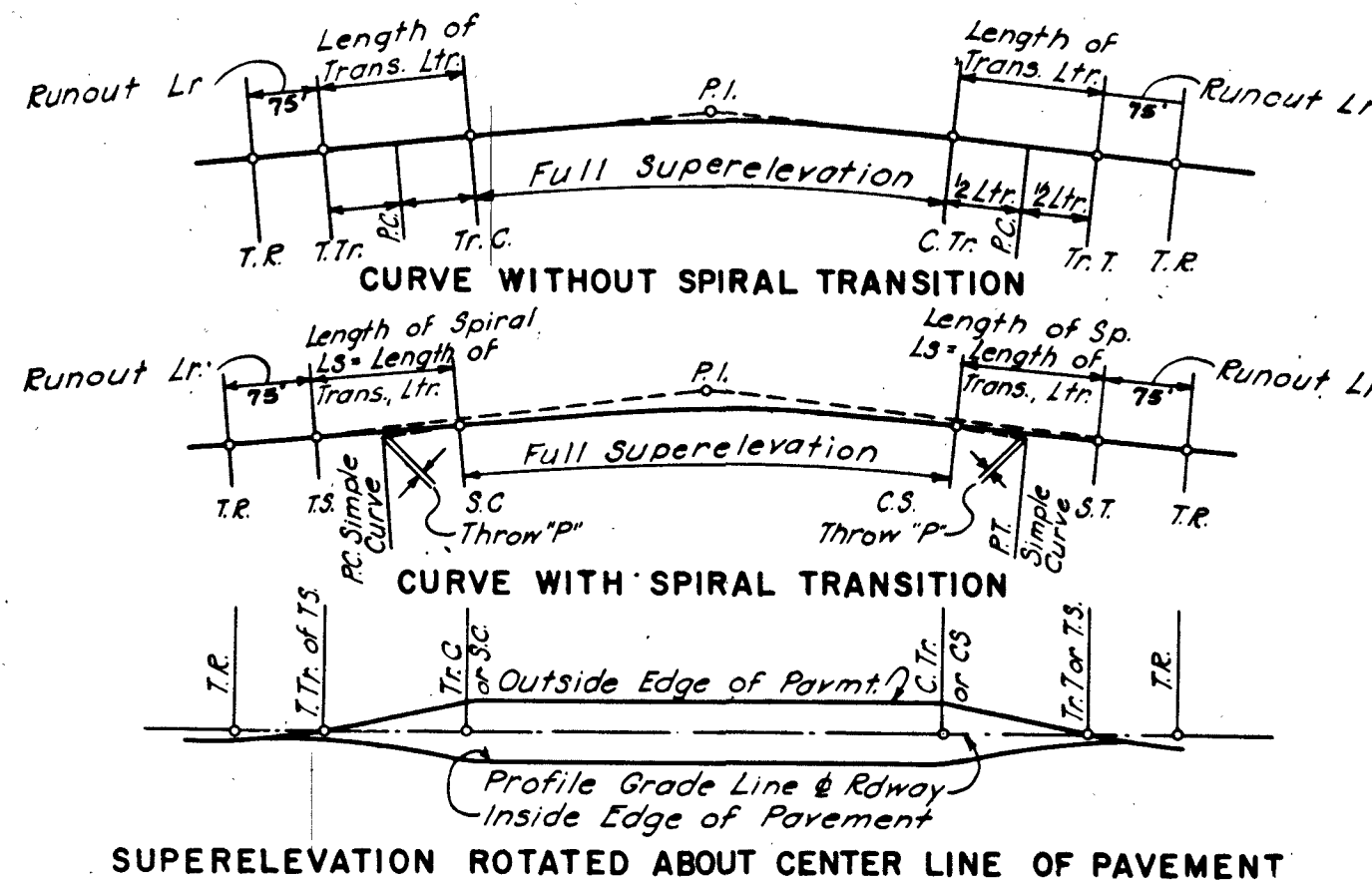
FLOOD GATES FOR RIGHT OF WAY FENCE

TRANSVERSE PAVEMENT JOINTS, TYPE C

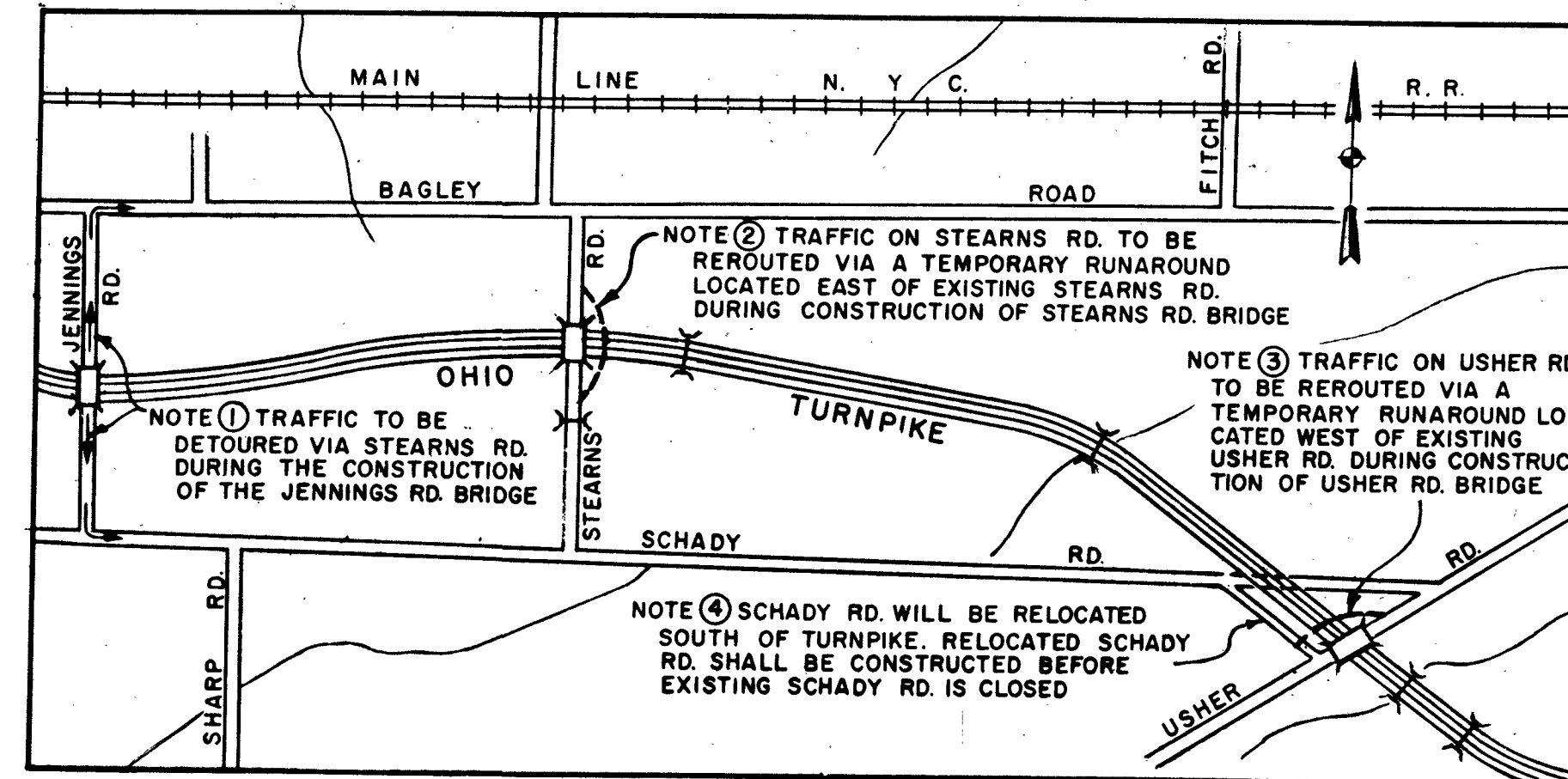
CULVERT PIPE BEDDING AND BACKFILL

SHEET NO.

1
2
3
4
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29
15A



SUPERELEVATION ROTATED ABOUT CENTER LINE OF PAVEMENT



SKETCH SHOWING TRAFFIC DETOURS AND TEMPORARY RUNAROUNDS

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-21

SUPPLEMENTAL SPECIFICATION	A-5	DATED	AUGUST 7, 1953
SUPPLEMENTAL SPECIFICATION	B-20,	DATED	DECEMBER 9, 1952
SUPPLEMENTAL SPECIFICATION	I-9,	DATED	DECEMBER 9, 1952
SUPPLEMENTAL SPECIFICATION	I-19,	DATED	DECEMBER 9, 1952
SUPPLEMENTAL SPECIFICATION	I-30,	REVISED	JULY 9, 1953
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	T-50,	DATED	DECEMBER 9, 1952
SUPPLEMENTAL SPECIFICATION	I-29,	DATED	MAY 28, 1953
SUPPLEMENTAL SPECIFICATION	I-18,	DATED	MAY 28, 1953

NOTES:

ELEVATIONS REFER TO THE 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.
SRCCSP	STANDARD REINFORCED CONCRETE SEWER PIPE.
EGDT	EXTRA QUALITY DRAIN TILE.
SSVCP	STANDARD STRENGTH VITRIFIED CLAY PIPE.
ESVCP	EXTRA STRENGTH VITRIFIED CLAY PIPE.
WIP	WELDED WROUGHT IRON PIPE.

LEGEND

HYDRANT	BUILDINGS NOT TO BE DISTURBED
MANHOLE	BUILDINGS WITHIN R.O.W. TO BE TORN DOWN OR MOVED
CATCH BASIN	EXISTING ROAD
MONUMENT	PROPOSED DRAINAGE
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.
TRANSMISSION LINE	

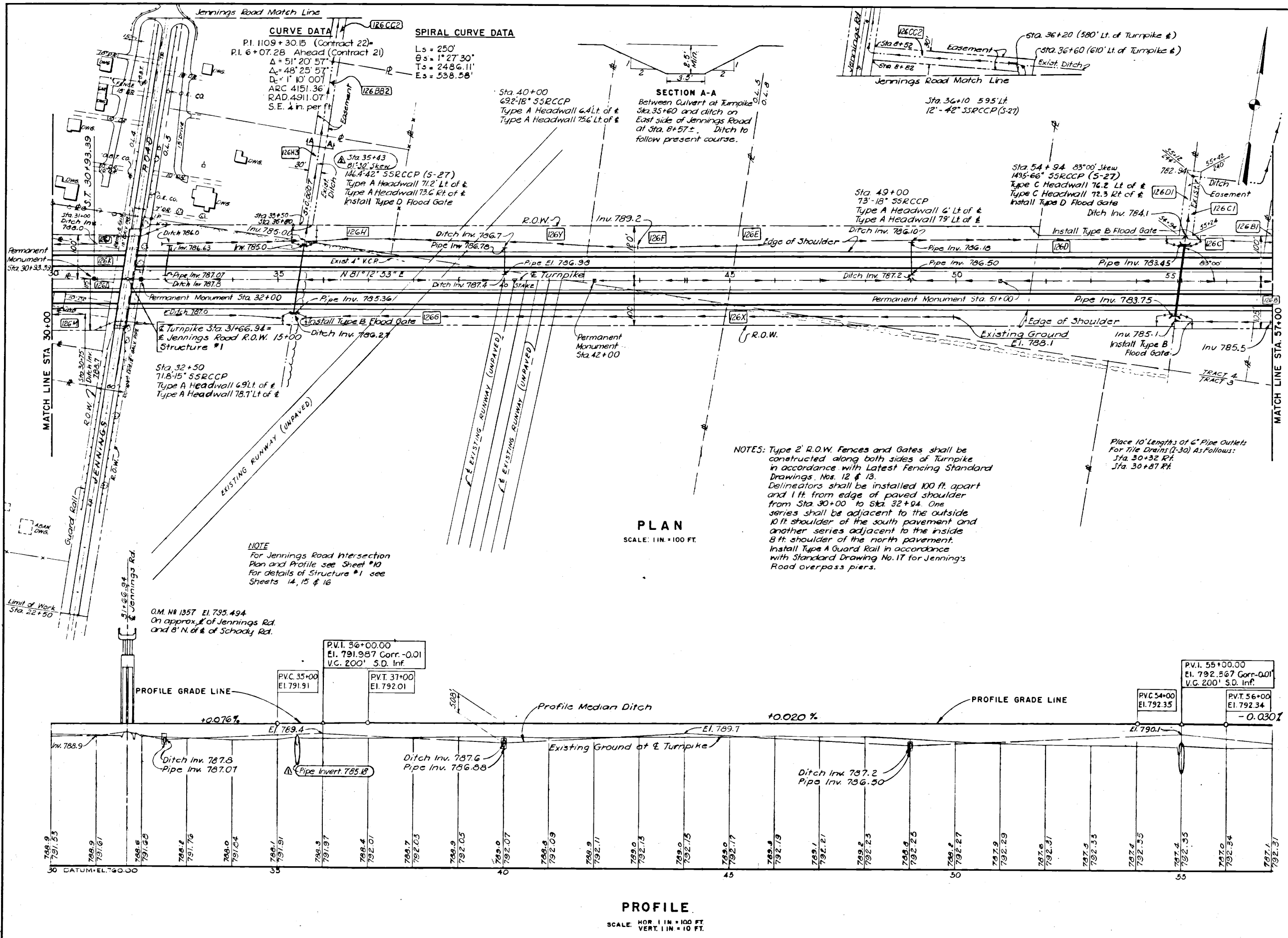
AS BUILT		2-10-56
New revision date & dimension added		E.F.G. 11-1-53
NO.	REVISION	BY DATE
OHIO TURNPIKE COMMISSION		
OHIO TURNPIKE PROJECT NO. 1		
INDEX SHEET		
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY		
CONTRACTING ENGINEER		
DESIGN SECTION D-7		
DESIGNED: JLR	CHECKED: EG	DATE: 3-13-53
DRAWN: W.T.	IN CHARGE: WH	SCALE:
CONTRACT NO. C-21		SHEET 1 OF 29

REFERENCE NUMBER	SPECIFICATION ITEM NUMBER	DESCRIPTION	UNIT	SHEET NUMBERS																TOTALS	PROPOSAL QUANTITIES
				3	4	5	6	7	8	9	10	11	12	13	25	26	27	28	29		
		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	Mgal.																		
5	E-12	Pipe Removed- Under 16"	L.F.																		
6	E-12	Pipe Removed-16" and Larger	L.F.																		
8	I-15	Guard Rail, Type A	L.F.																		
	I-15	Guard Rail, Type B	L.F.																		
10	I-15	Guard Rail, Type D-2	L.F.																		
11	I-23	Right of Way Fence, Type 2	L.F.																		
12	I-24	Delineators	Each																		
13	I-25	Permanent Barricades	L.F.																		
14	I-26	Permanent Monuments and Station Markers	Each																		
16	I-28	Temporary Cattle Fence	L.F.																		
17	E-3	Placing Stockpiled Topsoil	S.Y.																		
18	L-3	Bonemeal and Rowbone	Ton																		
19	L-3	Organic Fertilizer	S.Y.																		
20	L-6	Roadside Cleanup	Lump																		
21	L-9	Commercial Fertilizer, 8-16-8	Ton																		
22	L-9	Agricultural Hydrated Lime	Ton																		
23	L-9	Agricultural Ground Limestone	Ton																		
24	L-9	Bonemeal or Rowbone	Ton																		
25	L-9	Seeding and Protecting, Type A	S.Y.																		
26	L-19	Seeding and Mulching (Special Seeding)	S.Y.																		
		DRAINAGE																			
29	I-4	Pipe Underdrain - 6" S.S.RCCP perforated	L.F.																		
30	S-3	Waterproofing	S.Y.																		
31	E-2	Excavation for Structures	C.Y.																		
32	E-3	Channel Excavation	C.Y.																		
33	S-1	Concrete for Structures (Class C)	C.Y.																		
34	S-4	Reinforcing Steel	Lb.																		
35	S-27	Pipe for Roadway Culverts-18" S.S.RCCP	L.F.																		
36	S-27	Pipe for Roadway Culverts-24" S.S.RCCP	L.F.																		
37	S-27	Pipe for Roadway Culverts-36" S.S.RCCP	L.F.																		
38	S-27	Pipe for Roadway Culverts-48" S.S.RCCP	L.F.																		
39	S-27	Pipe for Roadway Culverts-66" S.S.RCCP	L.F.																		
40	I-1	Pipe for Driveways-15" CMP 14 gage	L.F.																		
41	I-1	Pipe for Driveways-18" CMP 14 gage	L.F.																		
42	I-1	Pipe for Driveways-36" CMP 12 gage	L.F.																		
43	I-2	Storm Sewers-15" S.S.RCCP	L.F.																		
44	I-2	Storm Sewers-18" S.S.RCCP	L.F.																		
45	I-2	Storm Sewers-22" S.S.RCCP	L.F.																		
46	I-2	Storm Sewers-24" S.S.RCCP	L.F.																		
47	I-8	Inlets, Type A-1	Each																		
48	I-9	Stone Underdrains, No. 1	L.F.																		
49	I-10	Riprap, Type A	S.Y.																		
50	I-30	Farm Tile Drains-6" EQDT	L.F.																		
51	I-30	Farm Tile Drains-8" EQDT	L.F.																		
52	I-30	Farm Tile Drains-10" EQDT	L.F.																		
53	I-30	Farm Tile Drains-12" EQDT	L.F.																		
54	I-30	6" Pipe Outlets for Tile Drains	L.F.																		
55	I-30	8" Pipe Outlets for Tile Drains	L.F.																		
56	I-30	10" Pipe Outlets for Tile Drains	L.F.																		
57	I-30	12" Pipe Outlets for Tile Drains	L.F.																		
58	I-4	6" Pipe Underdrains, Type A (H=1'-6")	L.F.																		
59	I-1	Pipe for Driveways-24" CMP-14 gage	L.F.																		
		PAVEMENT																			
66	B-20	Waterbound Macadam Base Course (laid in 2-4" courses)	S.Y.																		
67	B-20	Waterbound Macadam Base Course (1 course)	S.Y.																		
68	T-10	Traffic Compacted Surface Course	C.Y.																		
69	T-30	Bituminous Prime Coat, MC-O or MC-1	Gal.																		
70	T-33	Bituminous Macadam Surface Course-3"	S.Y.																		
71	T-35	Asphaltic Concrete Surface Course, Type C	C.Y.																		
72	T-50	Hot-Mixed, Hot-Laid Asphaltic Concrete Surface Course-1 1/4" Type B Wearing Course and 1 1/4" Binder Course, No. 46	S.Y.																		
73	T-71	Reinforced Portland Cement Concrete Pavement-10"	S.Y.																		
74	I-19	Insulation Course-3"	S.Y.																		
75	I-22	Selected Sub-Base	C.Y.																		

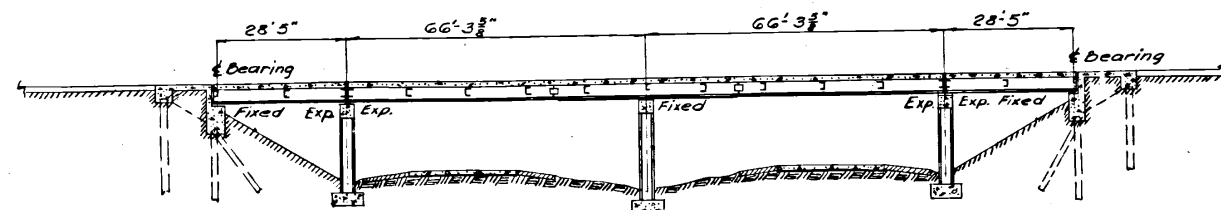
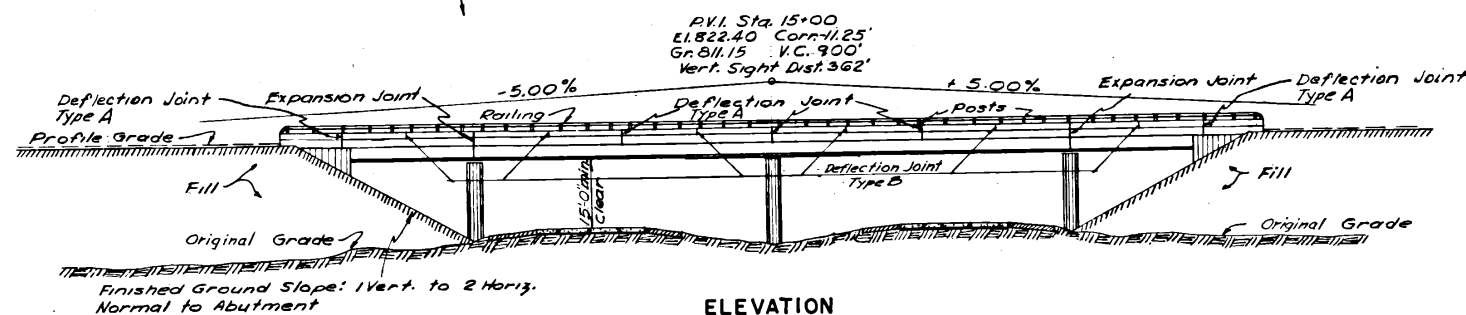
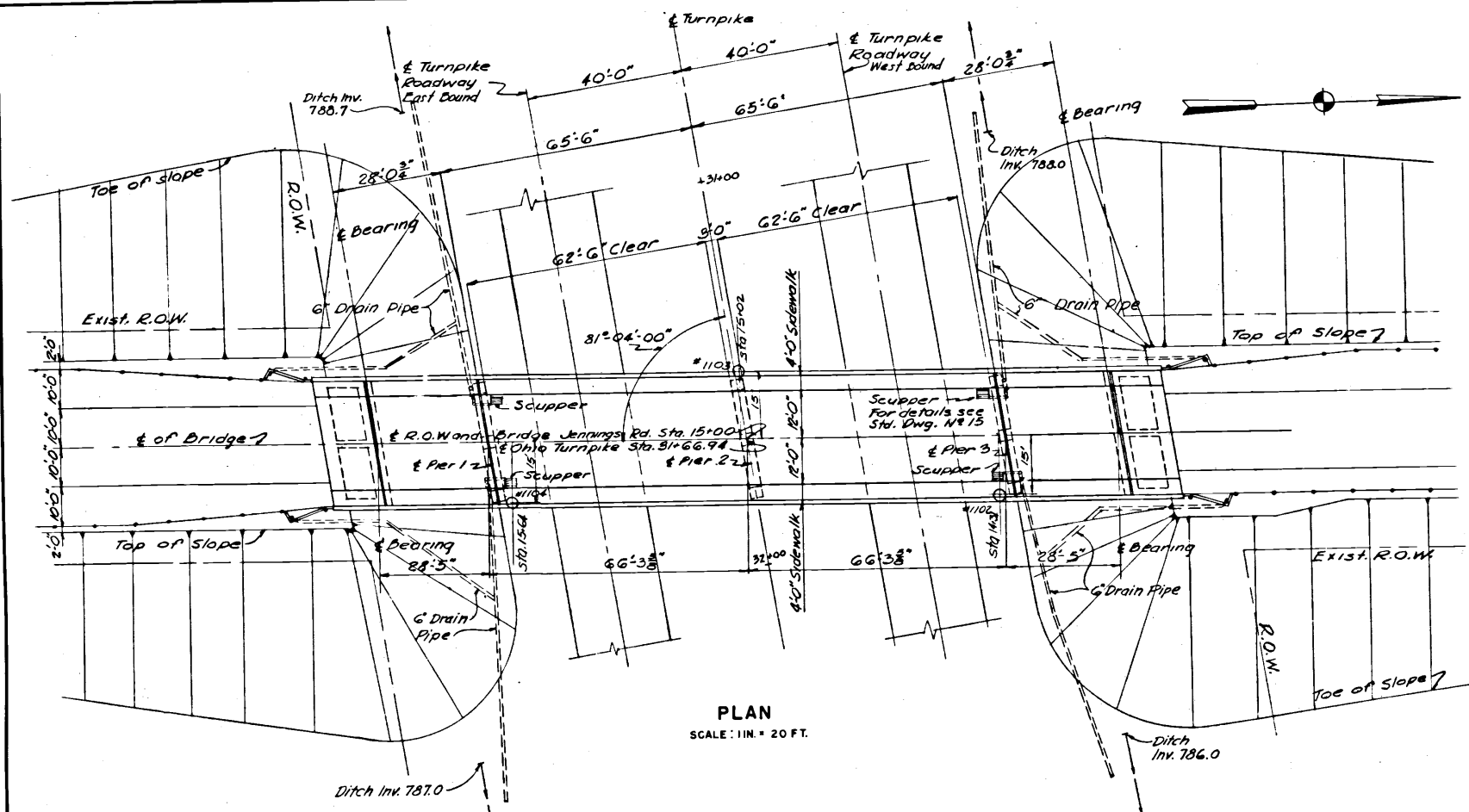
REFERENCE NUMBER	SPECIFICATION ITEM NUMBER	DESCRIPTION	UNIT	SHEET NUMBERS			TOTALS	PROPOSAL QUANTITIES
				14	17	20		
		STRUCTURES						
76	E-2	Excavation for Structures	C.Y.					
77	T-35	Asphaltic Concrete Surface Course, Type C	C.Y.					
78	S-1	Concrete for Structures (Class C)	C.Y.					
79	S-3	Waterproofing, Type C	S.Y.					
80	S-4	Reinforcing Steel	Lb.					
81	S-7	Structural Steel	Lb.					
82	S-9	Structural Expansion and/or Contraction Joints	Lb.					
83	S-14	Railing, Type B	L.F.					
84	S-16	First Test Pile	Each					
85	S-17	Pile Test Load	Each					
86	S-18	Bearing Piles - Steel, 10 BP42	L.F.					
87	S-18	Driving Bearing Piles - Steel 10 BP42	L.F.					
88	S-18	Splices for Steel Bearing Piles, 10 BP42	Each					
89	S-29	Drainage of Structures-6" Pipe	L.F.					
90	S-29	Drainage of Structures-6" W.I.P.	L.F.					
91	S-29	Drainage of Structures- Sumps, Type B	Each					
92	S-19	Soil Load Bearing Test	Each					
		MISCELLANEOUS						
95	I-29	Construction Contract Information Signs	Each					

NOTE:
SEE FINAL ESTIMATE AND RECAPITULATION OF FINAL
QUANTITIES FOR CONTRACT SECTIONS C-20 & C-21
FOR FINAL TOTAL QUANTITIES.

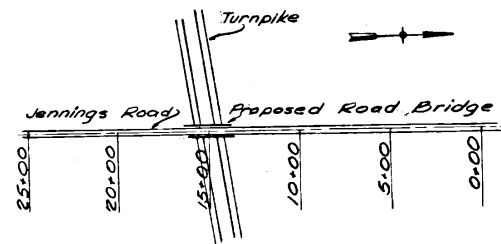
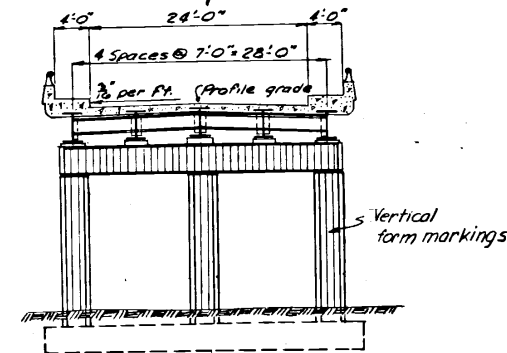
As Built			2-10-56
Quantity revisions & additions			EFG 11-1-53
NO.	REVISION	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE PROJECT NO. 1			
SUMMARY SHEET			
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY			
CONTRACTING ENGINEER			
DESIGN SECTION D-7			
DESIGNED: B.T.	CHECKED: J.R.	DATE: 3-12-53	
DRAWN: T.F.	IN CHARGE: E.F.G.	SCALE:	
CONTRACT NO. C- 21		SHEET 2 OF 29	



QUANTITIES					
NO.	ITEM	LOCATION & REMARKS	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
ROADWAY					
E-1	Roadway Excavation		Cu Yd	4700	8088
E-11	Water Guard Rail, Type A		MdL	272	185
I-23	Right-of-Way Fence, Type 2		Lin Ft	236	250
I-24	Delineators		Lin Ft	5,460	5566
I-26	Permanent Monuments and Station Markers		Ea	6	6
			Ea	4	4
L-3	Placing Stockpiled Topsoil		Sq Yd	13,800	14,364
L-9	Commercial Fertilizer 10-20-10	EW(RV) 20	Ton	0	1.04
L-9	Agricultural Hydrated Lime		Ton	2	5.22
L-9	Seeding Type A	EW(RV) 20	Sq Yd	0	14,364
L-19	Special Seeding	EW(RV) 20	Sq Yd	0	18,948
DRAINAGE					
E-2	Excavation for Structures		Cu Yd	714	773.6
E-3	Channel Excavation		Cu Yd	122	1360
S-1	Concrete for Structures (Class C)		Cu Yd	46.7	47.1
S-4	Reinforcing Steel		Lb	2666	2523.9
S-27	Pipe for Roadway Culverts - 42" SSRCCP		Lin Ft	144	158.4
S-27	Pipe for Roadway Culverts - 66" SSRCCP		Lin Ft	148	149.5
I-2	Storm Sewers - 18" SSRCCP		Lin Ft	132	142.3
I-2	Storm Sewers - 15" SSRCCP		Lin Ft	72	71.8
I-30	6" Pipe Outlets for Tile Drains		Lin Ft	0	20
PAVEMENT					
T-33	Bituminous Macadam Surface Course 3"		Sq Yd	10,800	10,800
T-71	Reinforced Portland Cement Concrete Pavement 10"		Sq Yd	14,400	14,400
I-22	Selected Sub-Base		Cu Yd	6,666	6749
A AS BUILT					2/10-56
Δ Invert El. revision in profile				EFFG	11-1-58
NO.	REVISION			BY	DATE
OHIO TURNPIKE COMMISSION					
OHIO TURNPIKE PROJECT NO. 1					
PLAN AND PROFILE					
CUYAHOGA COUNTY					
STA. 30+00 TO STA. 57+00					
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY					
CONTRACTING ENGINEER					
DESIGN SECTION D-7					
DESIGNED: R.R.	CHECKED: T.A.A.		DATE: 3-13-53		SCALE: AS NOTED
DRAWN: M.V.	IN CHARGE: E.F.G.				
CONTRACT NO. C-21			SHEET 4 OF 29		



Structural Slab with 1 1/2" T-35 Asphaltic Concrete Wearing Surface Type C



GENERAL NOTES:

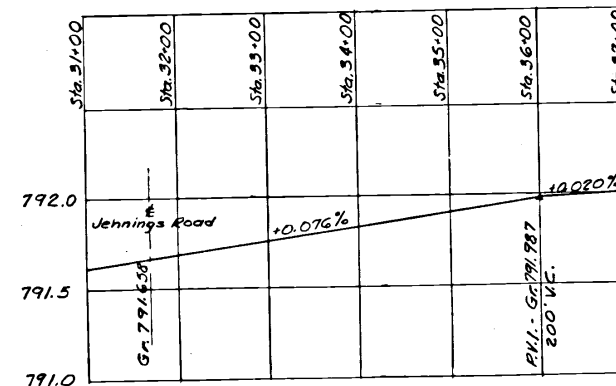
- 1-Design: Specifications for design of highway structures - State of Ohio (Oct. 1, 1951)
- 2-Superstructure: Concrete slab on W stringers.
- 3-Substructure: Piers on spread footings. Max. soil pressure of 6 k.s.f. Abutments: Steel bearing piles.
- 4-Frequency Loading: C.F. Factor 30.
- 5-All elevations refer to Mean Sea Level Datum as established by U.S. Coastal and Geodetic Survey.
- 6-For details of borings see Master Soil Profile, Contract #1 and respective laboratory logs in book entitled "Ohio Turnpike Project No. 1 Subsurface Exploration Laboratory Logs, Contract #21."

REFERENCE DRAWINGS:

Framing Plan	Sheet 15
Abutments	Sheet 16
Piers	Sheet 23
Details	Sheet 24

TURNPIKE PROFILE

SCALE: VERT. 1 IN. = 5 FT.
HORIZ. 1 IN. = 100 FT.

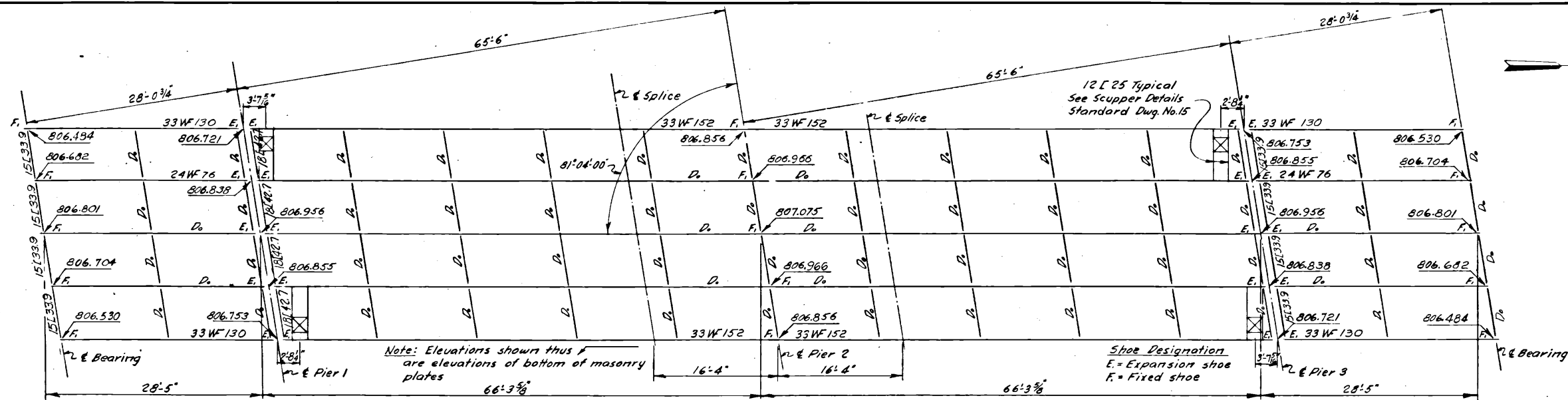


SUMMARY OF QUANTITIES

SPEC. ITEMS	DESCRIPTION	UNIT	ABUT.	PIERS	SUPERSTR.	GENERAL	TOTAL
E-2	Excavation for structures	Cu. Yd.	159	247		20	426
T-35	Asphaltic Concrete Surface Course, Type C	Cu. Yd.				24.8	24.8
S-1	Concrete for structures (Class C)	Cu. Yd.	132	189	261	10.2	592.2
S-3	Waterproofing, Type C	Sq. Yd.	95		688		783
S-4	Reinforcing steel	Lb.	104,57	57,713	33,591		195,866
S-7	Structural Steel	Lb.			192,866		192,866
S-9	Structural Expansion and/or Contraction Joints	Lb.			7,441		7,441
S-14	Railing, Type B	Lin. Ft.				432.9	432.9
S-16	First Test Pile	Ea.	1				1
S-17	Pile Test Load	Ea.	0				0
S-18	Bearing Piles - Steel	10 BP42 Lin. Ft.	316 (346)		Including Test Pile		316 (346)
S-18	Driving Bearing Piles - Steel	10 BP42 Lin. Ft.	316 (346)		Including Test Pile		316 (346)
S-18	Splices for Steel Bearing Piles	10 BP42 Ea.	0				0
S-29	Drainage of Structures - 6" Pipe	Lin. Ft.	428				428
S-29	Drainage of Structures - 6" W.P. Pipe	Lin. Ft.				113.6	113.6
S-29	Drainage of Structures - Scuppers - Type B	Ea.	4				4
S-19	Soil Load Bearing Test	Ea.		1			1
	Deflection Joints Type B	EW (RV) 30			12		12

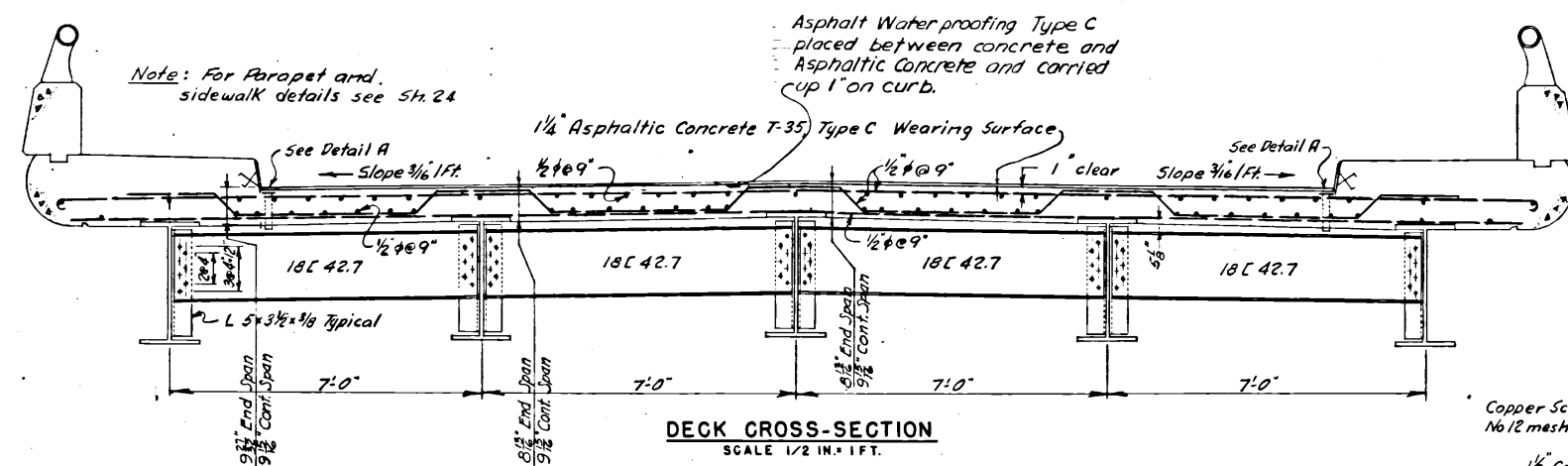
STRUCTURE NO. 1

3	Deck Replaced; Parapet Fence Added		
See CIP: 43-84-05			1980
AS BUILT			2-10-56
Unit and quantity revised.		EEG	11-1-53
NO.	REVISION	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE PROJECT NO. 1			
JENNINGS ROAD BRIDGE			
GENERAL PLAN AND SECTIONS			
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY			
CONTRACTING ENGINEER			
DESIGN SECTION D-7			
DESIGNED: O.A.	CHECKED: H.S.	DATE: 3-13-53	
DRAWN: A.V.G.	IN CHARGE: O.A.	SCALE: AS NOTED	
CONTRACT NO. C-21		SHEET 14 OF 29	

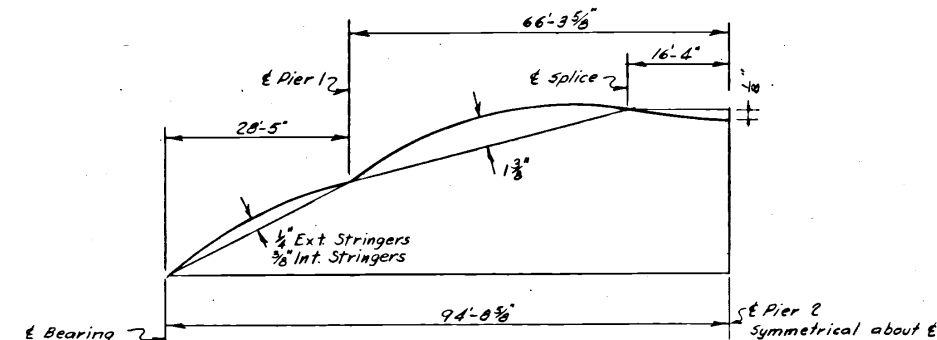


FRAMING PLAN
SCALE 1/8 IN. = 1 FT.

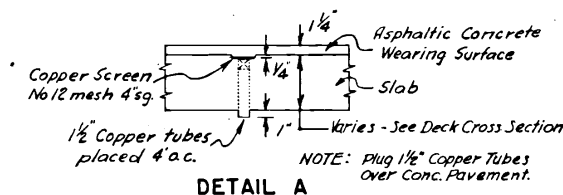
CONCRETE DECK POURING SEQUENCE
The Deck Shall Be Poured Continuous From No. Face of So. Abutment to So. Face of No. Abutment.



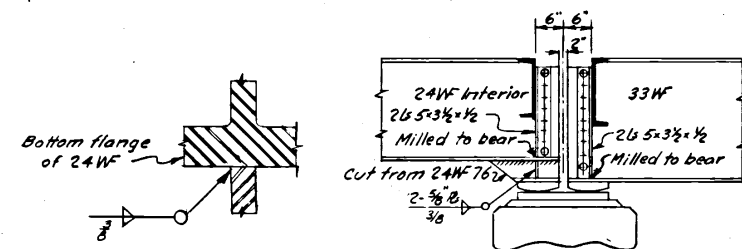
DECK CROSS-SECTION
SCALE 1/2 IN. = 1 FT.



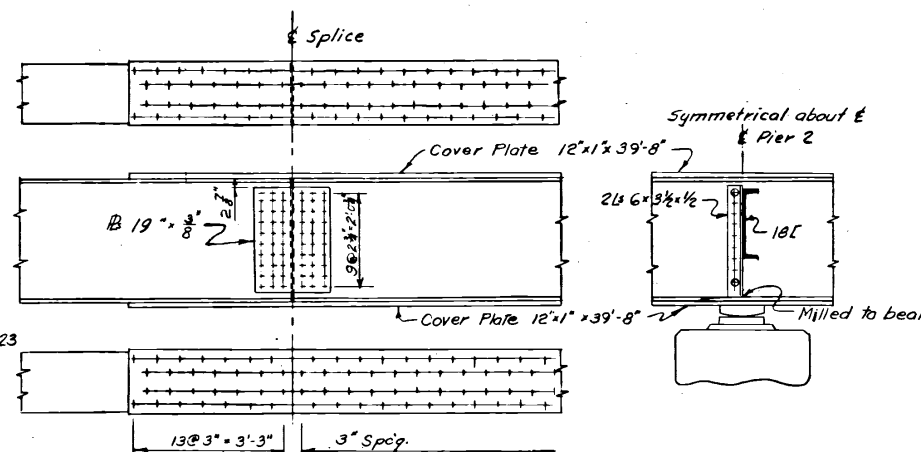
CAMBER DIAGRAM FOR STRINGERS
FOR VERTICAL CURVE + DEAD LOAD.



DETAIL A



INTERIOR STRINGERS



EXTERIOR STRINGERS

ELEVATION OF STRINGERS
SCALE 1/2 IN. = 1 FT.

STRUCTURAL STEEL NOTES

All rivets to be 7/8\"/>

3	Deck Replaced & Parapet Fence Added		
	SEE CIP: 43-BG-05		1980
AS BUILT			2-10-50
Stringer Splice Plate		RHN	1-1-53
NO.	REVISION	BY	DATE

OHIO TURNPIKE COMMISSION
OHIO TURNPIKE PROJECT NO. 1

JENNINGS ROAD BRIDGE
FRAMING PLAN AND SECTIONS

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

DESIGNED: O.A.	CHECKED: L.P.	DATE: 3-13-53
DRAWN: D.F.	IN CHARGE: O.A.	SCALE: AS NOTED

CONTRACT NO. C-21 SHEET 15 OF 29

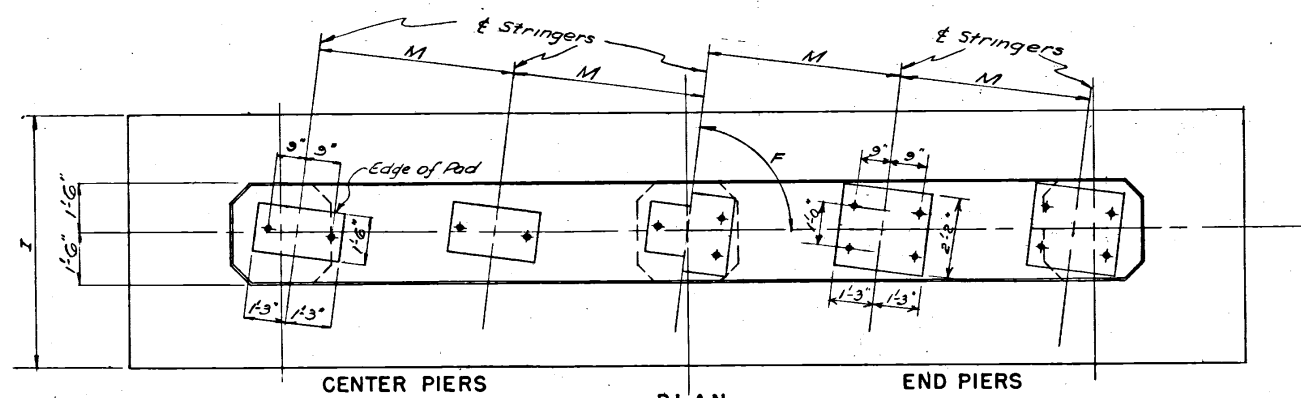
STRUCTURE NO. 1



3.	DECK REPLACED + PARAPET FENCE ADDED		
	SEE CIP: 43-86-05		1986
Ⓐ	AS BUILT		2-10-54
Ⓐ	Sidewalks added to Plan. Dim. removed from Bldg	PC	6-30-54
NO.	REVISION	BY	DATE

STRCTURE NO. I

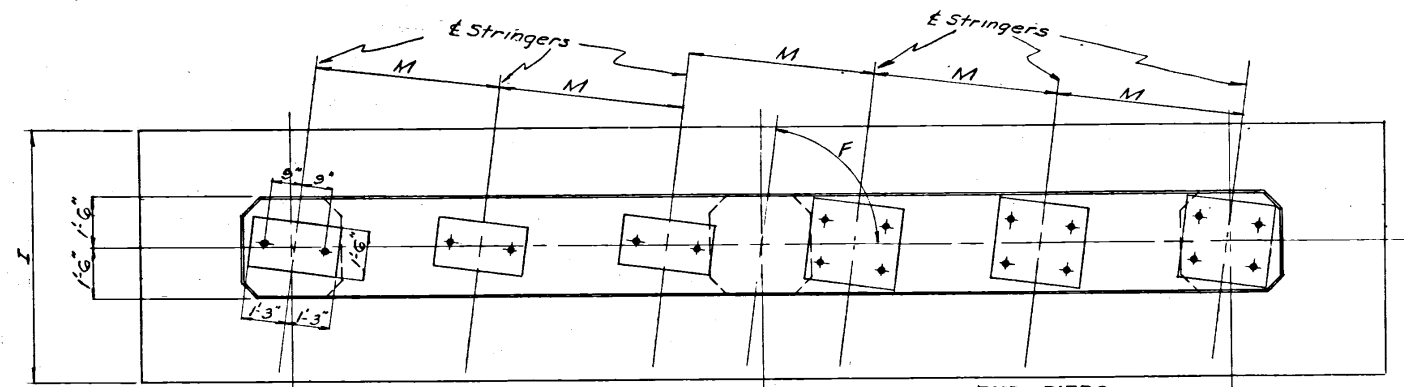
STEEL REINFORCING BAR EQUIVALENTS									
OLD BARS (INCHES)	3/8" +	1/2" +	5/8" +	3/4" +	7/8" +	1" +	1" =	1 1/8" =	1 1/4"
NEW BARS (NUMBER)	3	4	5	6	7	8	9	10	11



CENTER PIERS END PIERS

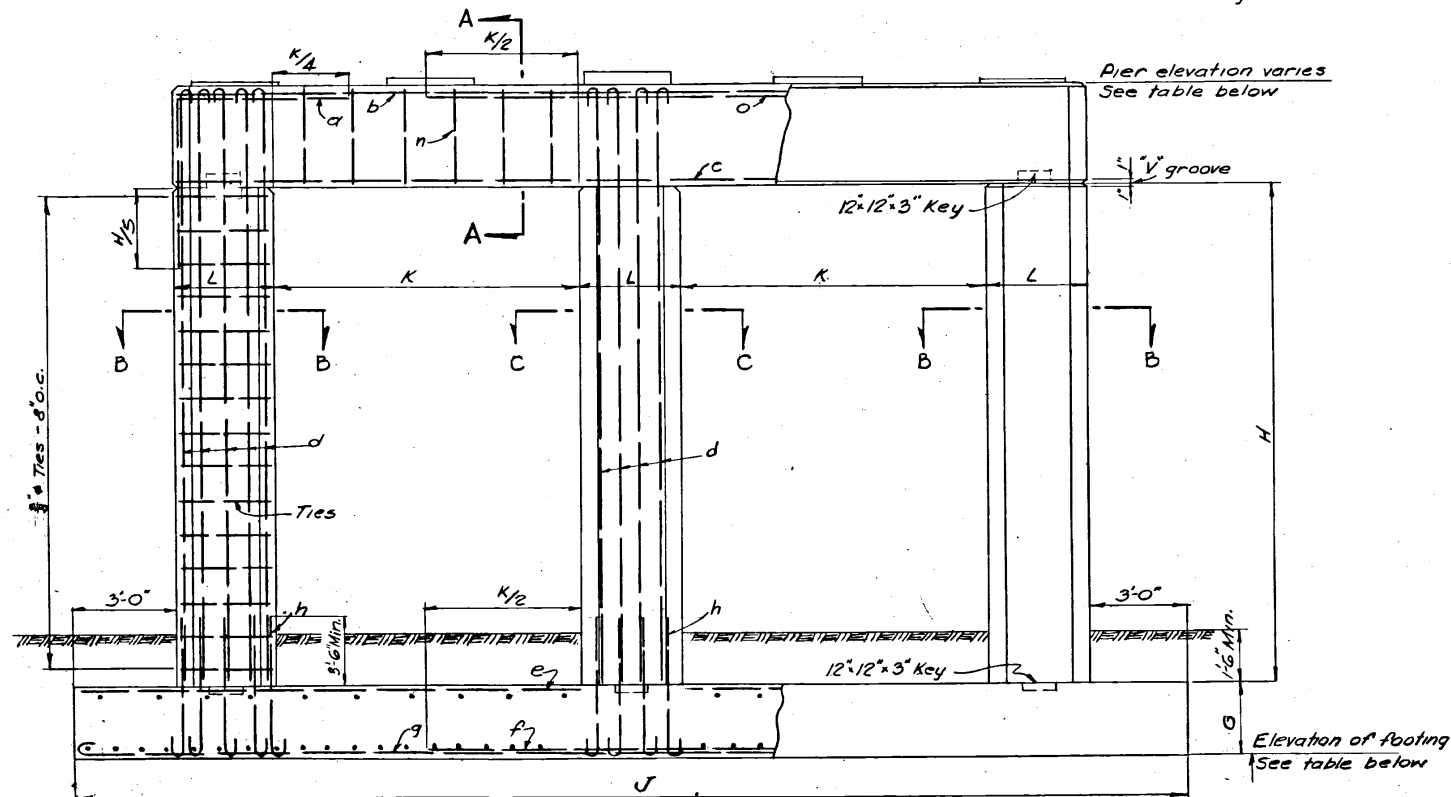
PLAN
(FOR JENNINGS ROAD AND STEARNS ROAD BRIDGES)
SCALE: 3/8 IN. = 1 FT.

Note: Elevations to bottom of masonry plate given on Framing Plan.

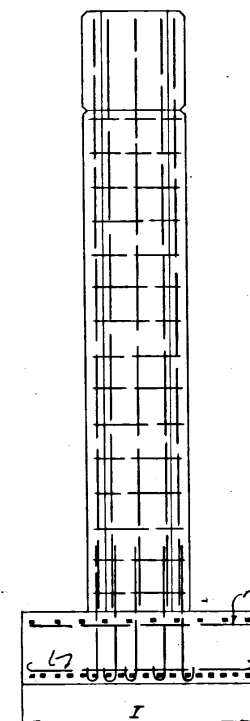


CENTER PIER END PIERS

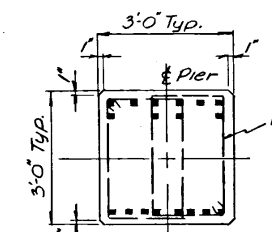
PLAN
(FOR USHER ROAD BRIDGE)
SCALE: 3/8 IN. = 1 FT.



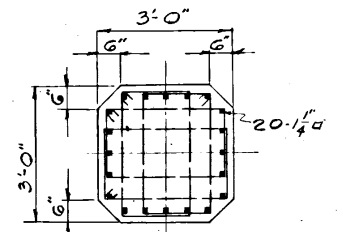
ELEVATION
SCALE: 3/8 IN. = 1 FT.



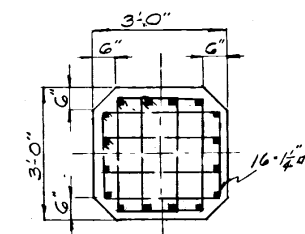
END VIEW
SCALE: 3/8 IN. = 1 FT.



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



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



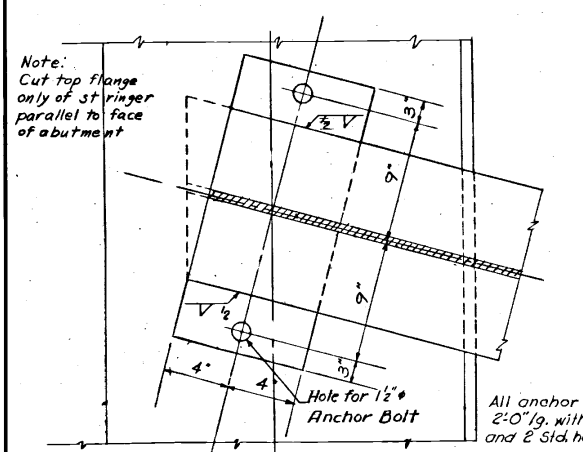
SECTION C-C
SCALE: 1/2 IN. = 1 FT.

NOTE
For General Notes see Sheet 14.
For Concrete Notes see Sheet 16.

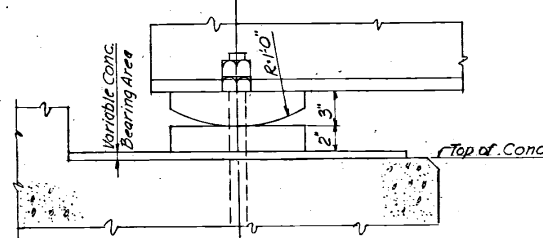
NAME OF BRIDGE	PIER NO.	ELEV. OF FOOTING	PIER ELEVATION	DIMENSIONS										REINFORCEMENT															
				F	G	H	I	J	K	L	M			a	b	c	d	e	f	g	h	Ties each	i	m	n	o			
JENNINGS ROAD	Pier 1	785.47	806.55	8'-0" 00'	3'-0"	15'-1"	8'-0"	38'-0"	11'-6"	3'-0"	7'-0"			18-1 1/4"	6-1 1/4"	8-1 1/4"	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	56-1 1/4"	69-3/8"	48-5/8"	25-5/8"	32-5/8"	4-1 1/4"			
	Pier 2	781.47	806.69	do.	do.	19'-2 1/2"	10'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	13-1 1/4"	10-1 1/4"	13-1 1/4"	do.	87-3/8"	do.	do.	do.				
	Pier 3	785.47	806.55	do.	do.	15'-1"	8'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	do.	69-3/8"	do.	do.	do.				
STEARNS ROAD	Pier 1	785.61	806.71	7'-10" 42"	do.	15'-1 1/4"	8'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	do.	92-3/8"	do.	do.	do.				
	Pier 2	779.54	806.79	do.	do.	21'-3"	10'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	13-1 1/4"	10-1 1/4"	13-1 1/4"	do.	116-3/8"	do.	do.	do.				
	Pier 3	785.61	806.71	do.	do.	15'-1 1/4"	8'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	do.	92-3/8"	do.	do.	do.				
USHER ROAD	Pier 1	769.82	790.93	7'-10" 42"	do.	15'-1 1/2"	8'-0"	42'-0"	13'-6"	do.	6'-4 3/8"			do.	do.	do.	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	do.	69-3/8"	54-5/8"	28-5/8"	36-5/8"	do.			
	Pier 2	765.82	791.15	do.	do.	19'-3"	10'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	13-1 1/4"	10-1 1/4"	13-1 1/4"	do.	87-3/8"	do.	do.	do.				
	Pier 3	769.82	790.93	do.	do.	15'-1 1/2"	8'-0"	do.	do.	do.	do.			do.	do.	do.	56-1 1/4"	10-1 1/4"	8-1 1/4"	10-1 1/4"	do.	69-3/8"	do.	do.	do.				

STRUCTURES NOS. 1, 2, & 3

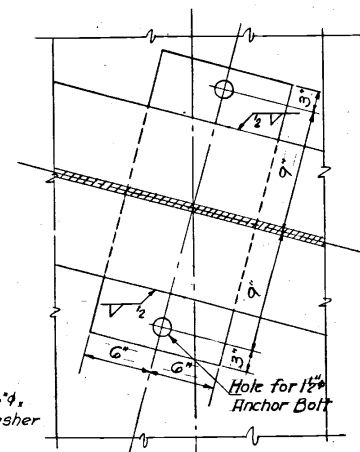
AS BUILT		2-10-54	
No Change		11-1-53	
NO.	REVISION	BY	DATE
OHIO TURNPIKE COMMISSION			
OHIO TURNPIKE PROJECT NO. 1			
PIERS			
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY			
CONTRACTING ENGINEER			
DESIGN SECTION D-7			
DESIGNED: O.A.	CHECKED: L.P.	DATE: 3-13-53	
DRAWN: A.V.G.	IN CHARGE: O.A.	SCALE: AS NOTED	
CONTRACT NO. C-21		SHEET 23 OF 29	



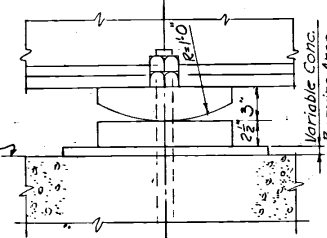
PLAN



FIXED ABUTMENT



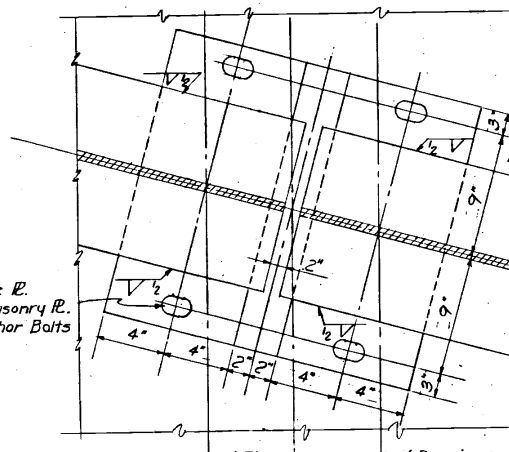
PLAN



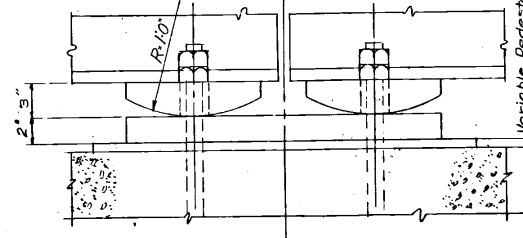
FIXED PIER

Note: Bevel Sole R's to grade, where grade is greater than 1%

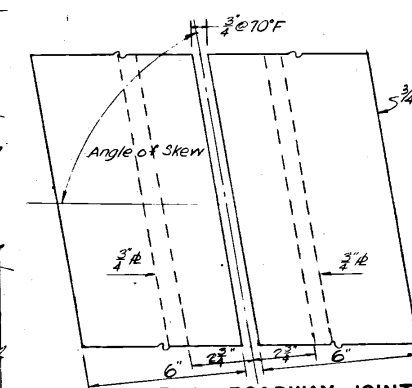
BEARINGS
SCALE 1 1/2 IN. = 1 FT.



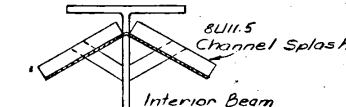
PLAN



EXPANSION PIER

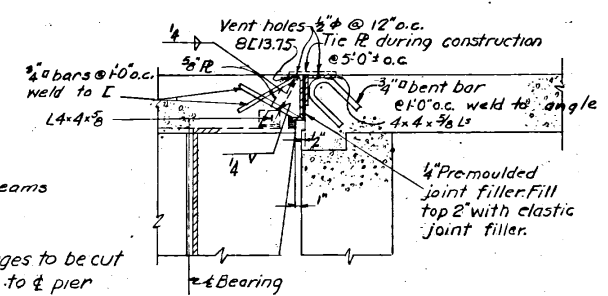


TYPICAL DETAIL - ROADWAY JOINT
SCALE 3 IN. = 1 FT.

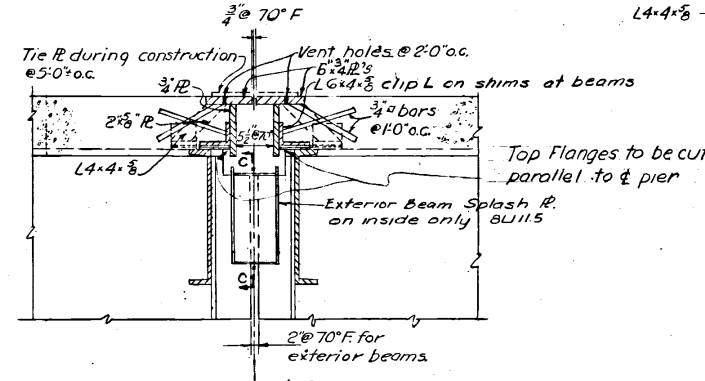


SECTION C-C
SCALE 1 IN. = 1 FT.

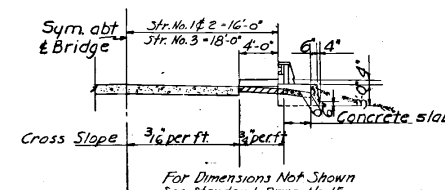
SAFETY CURB EXPANSION JOINT
SCALE 1 IN. = 1 FT.



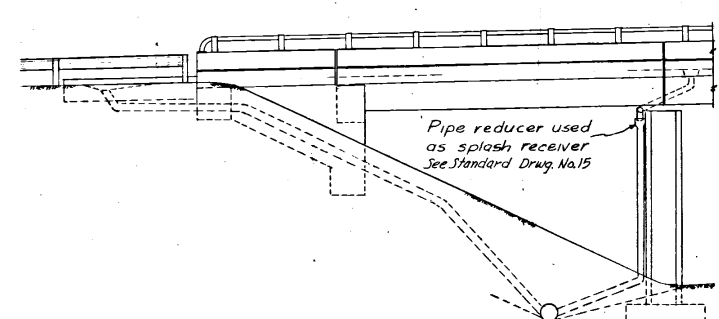
ROADWAY FIXED JOINT AT ABUTMENT
SCALE 1 IN. = 1 FT.



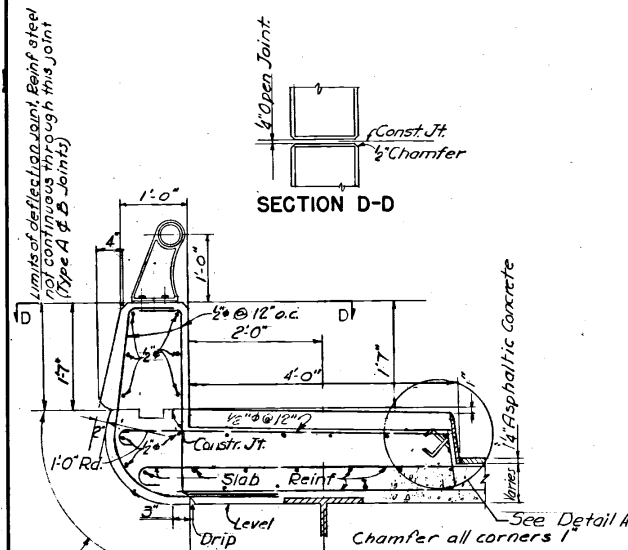
ROADWAY EXPANSION JOINT AT PIER
SCALE 1 IN. = 1 FT.



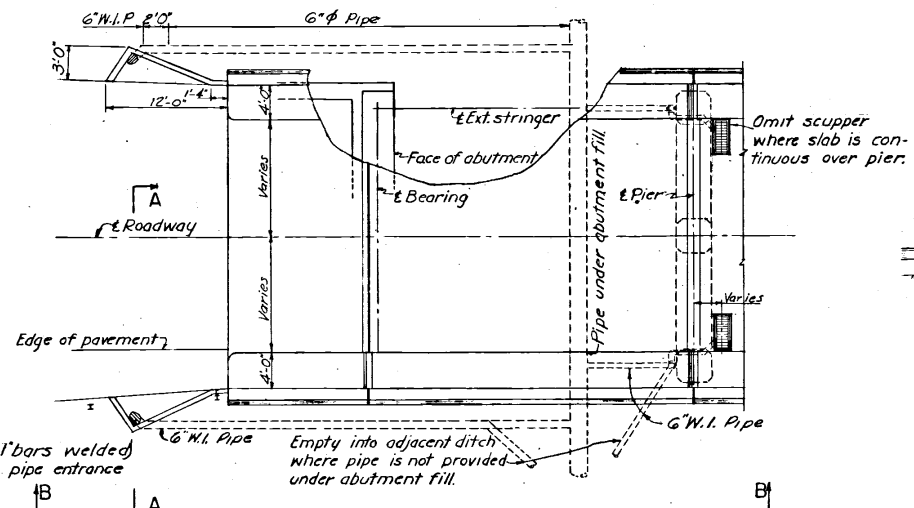
SECTION A-A



ELEVATION B-B

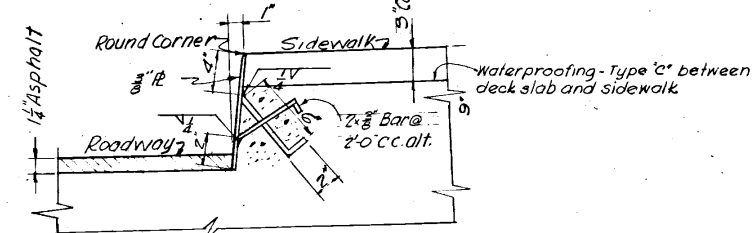


PARAPET
SCALE 3/4 IN. = 1 FT.



PLAN OF ABUTMENT

DRAINAGE DETAILS
SCALE 1/8 IN. = 1 FT.



STEEL FACING FOR CURB

DETAIL - A
SCALE 1 1/2 IN. = 1 FT.

NO.	REVISION	BY	DATE
1	As Built		2-10-56
2	Traffic Plate, Exp. Dam Channel	RHW	11-1-53
OHIO TURNPIKE COMMISSION OHIO TURNPIKE PROJECT NO. 1			
DETAILS			
KNAPPEN - TIPPETTS - ABBETT - MCCARTHY CONTRACTING ENGINEER DESIGN SECTION D-7			
DESIGNED: O.A.	CHECKED: L.R.	DATE: 3-13-53	
DRAWN: W.P.	IN CHARGE: O.A.	SCALE: AS NOTED	
CONTRACT NO. C-21		SHEET 24 OF 29	