

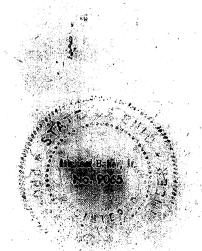
FED. RD. STATE TYPE FUNDS PROJECT OHIO F-420 (11)

MED - 42-1.89 MED - 224 - 6.25

# GENERAL NOTES

- Design Specifications: This structure conforms to the requirements of "Design Specifications for Highway Structures of the State of Ohio, Department of Highways, dated 10-1-51, together with revisions thereof dated 7-15-52, 4-1-54 and 2-1-55. • Loading: CF 2000-51.
- . Reference shall be made to Sheets I & 2 of 8 of Standard Drawing CSB-1-55 (dated 3-1-55).
- Excavation quantity includes the removal of fill material between the top of the earth bench and the bottom of the abutment.
- . Welding of structural steel shall be Class "A" except as otherwise shown.
- · Porous drains, extending from face of abutment to the ditch, shall be provided at all four corners. The drains shall be 6 feet wide at the low end, tapering to 4 feet wide at the face of the abutment, and one foot thick, centered under scuppers.
- Gravel, if used as the coarse aggregate, shall be according to Section M-3.93 instead of M-3.91 for Class "C" concrete in the superstructure. Gravel meeting the requirements of Section M-3.93 also may be used for other concrete in this structure.
- · Surface Finish of Concrete: Railing end posts, curb faces, fascias of deck and exposed surfaces of piers, abutments, and wing walls shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item 5-1.
- · Paint, both shop and field, shall be applied by brushing. Spray application will not be permitted
- · Piles shall be driven to a minimum bearing capacity of 25 tons for the abutments. The length of the penetration of every pile shall be at least 80% of the estimated average length of penetration of the piles in the pertinent abutment as indicated on the plans unless a lesser penetration is approved by the Director.

<i>em</i>	Total	Unit	Description	Superstr.	Abuts.	Piers	General
2	530	Cu.Yd.	Unclassified Excavation		200	<i>330</i>	The second secon
	,			egen i ga i santa e i santa a	A CALLER OF THE STATE OF THE ST	Water Control of the	The second secon
							A COLUMN TO THE
/	342	Cu.Yd.	Class "C" Concrete, Superstructure	342			A STATE OF THE STA
/	98	Cu.Yd.	Class "C" Concrete, Pier Columns & Caps.	*		98	TO AN AD COMME
/	265	Cu.Yd.	Class "E" Concrete, Abutments		265	<b>.</b>	
/	122	Cu.Yd	Class "E" Concrete, Pier Footings			122	
4	139,473		Reinforcing Steel	95,625	13,880	29,968	10 miles (10 mil
7	220,000		Structural Steel	220,000			
3	220,000	Lbs.	Field Painting of Structural Steel	220,000			, and the second of the second
14	541	Lin.Ft.	Railing (Aluminum Rail & Supports, Concrete				541
	TO BUILD HOLD THE PROPERTY OF		Parapet and End Posts.)				
16	Lump	Sum	First Test Pile	<b>元</b> 章()			and the second second
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	×12.15	100		e e e e e e e e e e e e e e e e e e e	1215		
18	1504	Lin.Ft.	IZ'Cast-in-place Reinforced Concrete Piles		1504	····	
?9	55	Cu. Yd.	Porous Backfill		55		
29	58	Cu. Yd.	Porous Drains on Embankment Slopes			e e e e e e e e e e e e e e e e e e e	58
					in the state of th		The same of the sa
	304 and 104			The second secon	A SECTION OF THE SECT	in a light limit or gradual in a light of the contract of the	Selection of the September 1

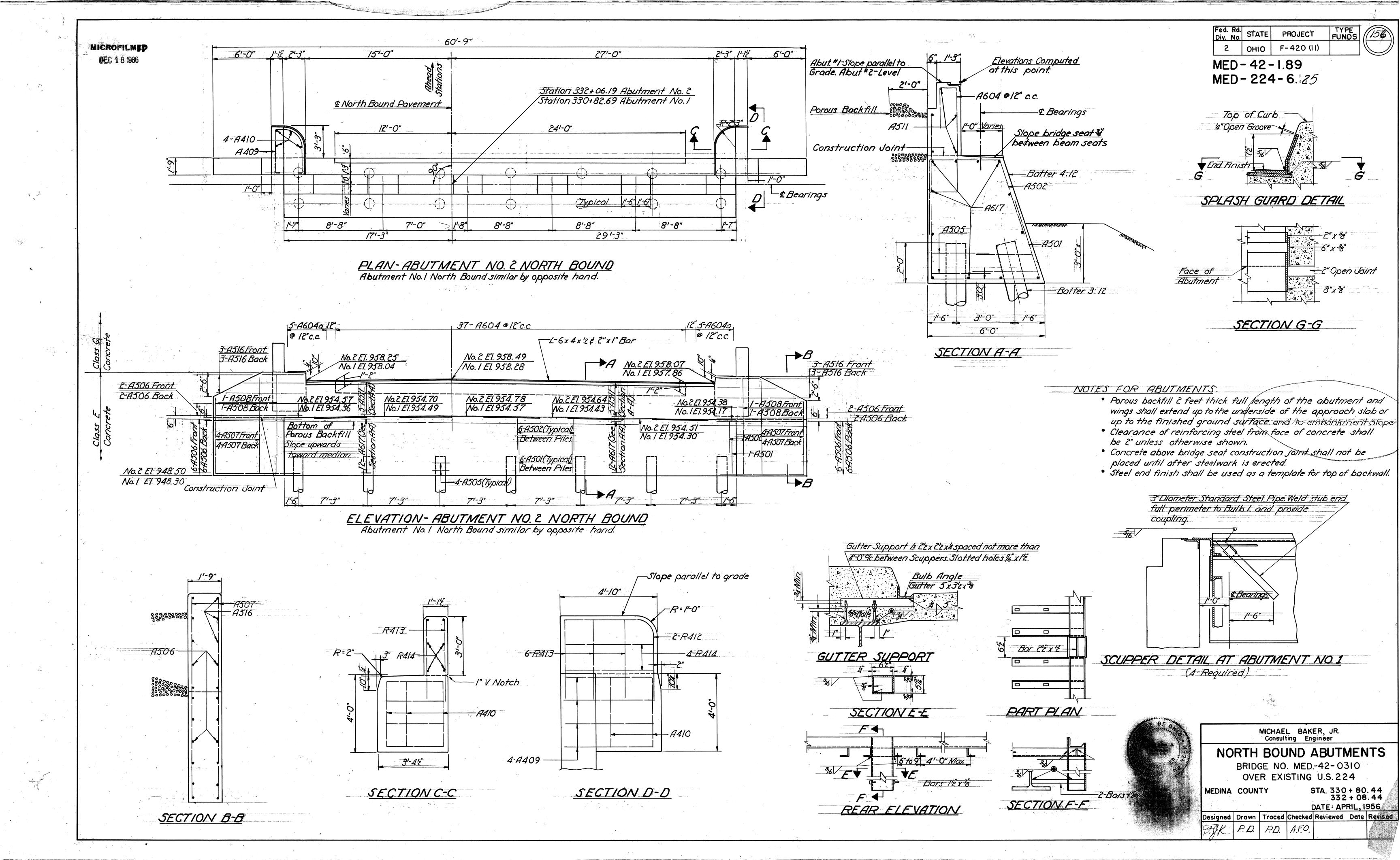


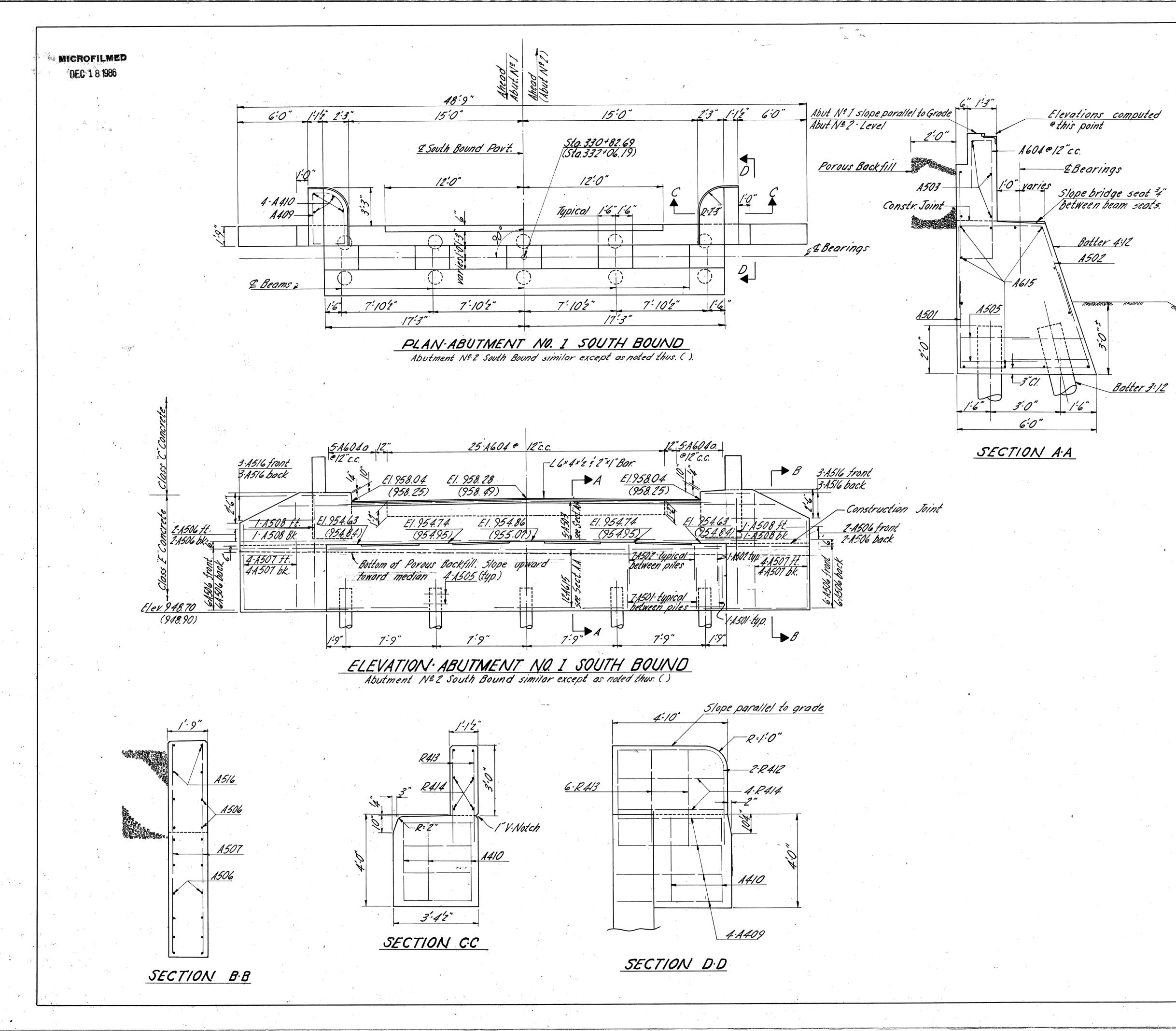
MICHAEL BAKER, JR. Consulting Engineer

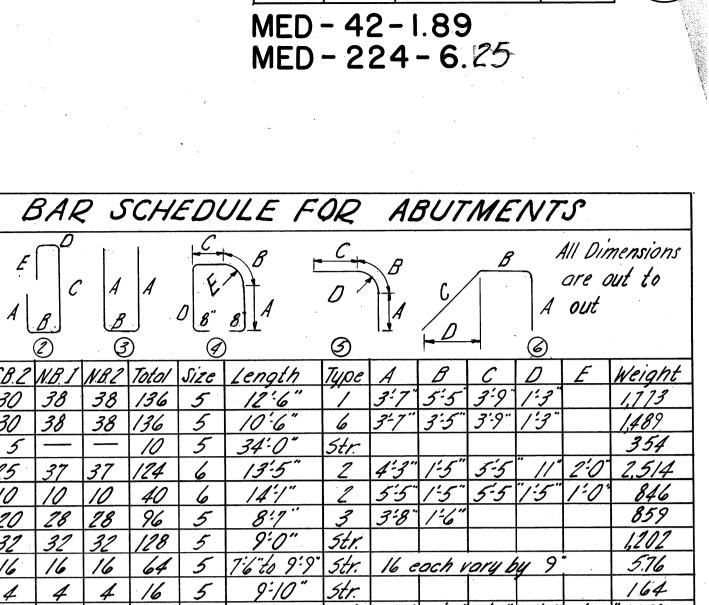
GENERAL PLAN & ELEVATION BRIDGE NO. MED.-42-0310 OVER EXISTING U.S. 224

MEDINA COUNTY

STA. 330 + 80. 44 332 + 08. 44 DATE: APRIL, 1956 Designed Drawn Traced Checked Reviewed Date Revised P.D. AFO







12 48 5 4:0"to 86 5tr. 16 co. vory by 2'3"

5 3'3" 1:4" 3'8" 10

313 1,730

Total Weight = 13,880#

FED.RD. DIVISION STATE

PROJECT

OHIO | F-420 (11)

NOTES:

Batter 3:12

See North bound Abutment - Sheet for notes.

14 14 48 6 14:0" 5tr.

MICHAEL BAKER JR. Consulting Engineer

# SOUTH BOUND ABUTMENTS

BRIDGE NO. MED.-42-0310 OVER EXISTING U.S. 224

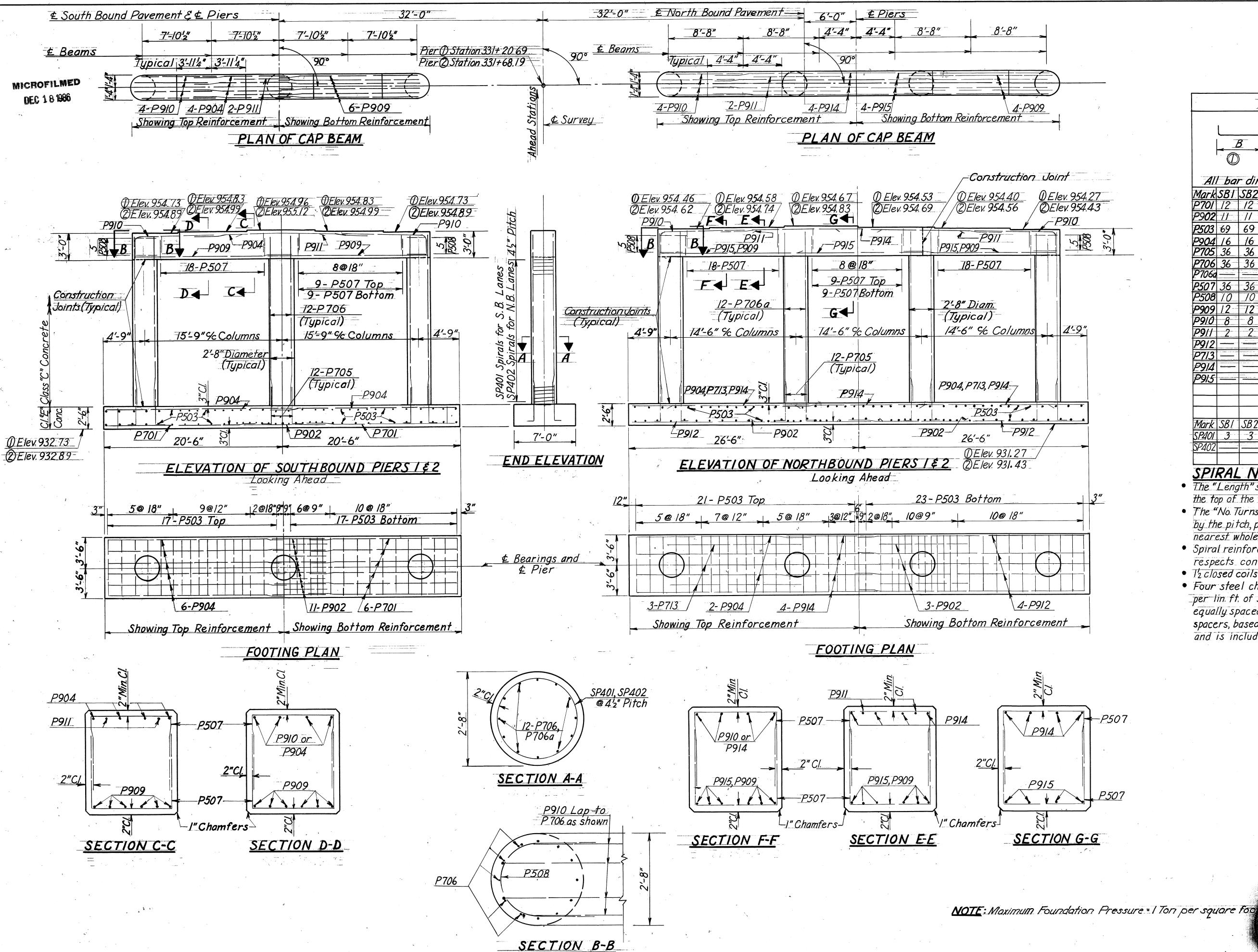
MEDINA COUNTY

STA. 330 + 80.44
332 + 08.44

DATE: APRIL, 1956

Designed Drawn Traced Checked Reviewed Date Revised

F.J.K. F.J.K. M.M. A.F.O.



FED. RD. DIVISION STATE TYPE FUNDS PROJECT F-420 (II) OHIO

MED - 42 - 1.89 MED - 224 - 6.25

#### BAR SCHEDULE FOR PIERS

Al	All bar dimensions are out to out.								_A					
Mark	SBI	SB2	NB1	NB2	Total	Size	Length	Type	A	$\mathcal{B}$	C		Weight	
P701	12	12			24	7	17'-0"	Štr.		***************************************			834	
P902	11	11	6	6	34	9	11'-6"	Str.					1329	
P503	69	69	88	88	314	5	6'-8"	Str.					2184	
P904	16	/6	4	4	40	9	21'-6"	Str.				yand	2924	
P705	36	36	48	48	168	7	5'-6"	7		4'-6"			1889	
P706	36	36			72	7	19'-0"	Str.		The state of the same of the state of the st			2796	
P7060			48	48	96	7	20'-0"	Str.		The second second specific second seco			3924	
P507	36	36	54	54	180	5	6'-9"	3		2'-4"	e describeration of the control of t		1267	
P508	10	10	10	10	40	5	6'-4"	4	3'-2"	<i>1'-7"</i>		1'-0"	264	
P909	12	12	8	8	40	9	17'-6"	Str.		CORP. A Y 1500 A SACRAMO NAMES		4	2380	
P910	8	8	8	8	32	9	11'-6"	2	2'-9"	9'-0"		~	1251	
P9//	2	2	4	4	/2	9	10'-0"	Str.				_	408	
P912			8	8	16	9	27'-6"	Str.					1496	
P713			6	6	12	7	15'-0"	Str.	•				368	
P914		-	8	8	16	9	34'-0"	Str.					1850	
P915		A SAME AND	4	4	8	9	30'-0"	Str.					816	
										<u> </u>				
							<b></b>	ļ		<u></u>		<u></u>	144 : 1 1	
Mark		SB2	NBI	NB2	Total	Size		Pitch	No. 7	urns				
SP401		3			6	4	16'-6"	4'"	4		2	8"	1650	
SP402			4	4	8	4	17'-6"	4'2"	5		1	28"	2338	
						<u> </u>		1	1	otal	Wer	ght =	29,968	

## SPIRAL NOTES:

- The "Length" shown in the steel list for the spiral bars is the distance from the top of the footing to the bottom of the pier cap.
- The "No. Turns" shown in the steel list for the spiral bars is the "Length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number.
- Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item S-4.
- 1/2 closed coils shall be provided at the ends of each spiral unit.
- Four steel channel, tee or angle spacers, weighing approximately 0.68 lb. per lin. ft. of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lb. per lin.ft., will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

REPLACEMENT BAR LIST									
Mark	No.	Size	Length	Type					
R401	/	4	5'-3"	Str.					
R501	1	5	5'-7"	Str.					
R601	4	6	5'-11"	Str.					
R 701	3	7	6'-2"	Str.					
R901	J	9	6'-10"	Str.					

MICHAEL BAKER JR. Consulting Engineer

## PIERS

BRIDGE NO. MED.-42-0310 OVER EXISTING U.S.224

MEDINA COUNTY

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Designed Drawn Traced Checked Reviewed Date Revised 21.8 A.F.O.

