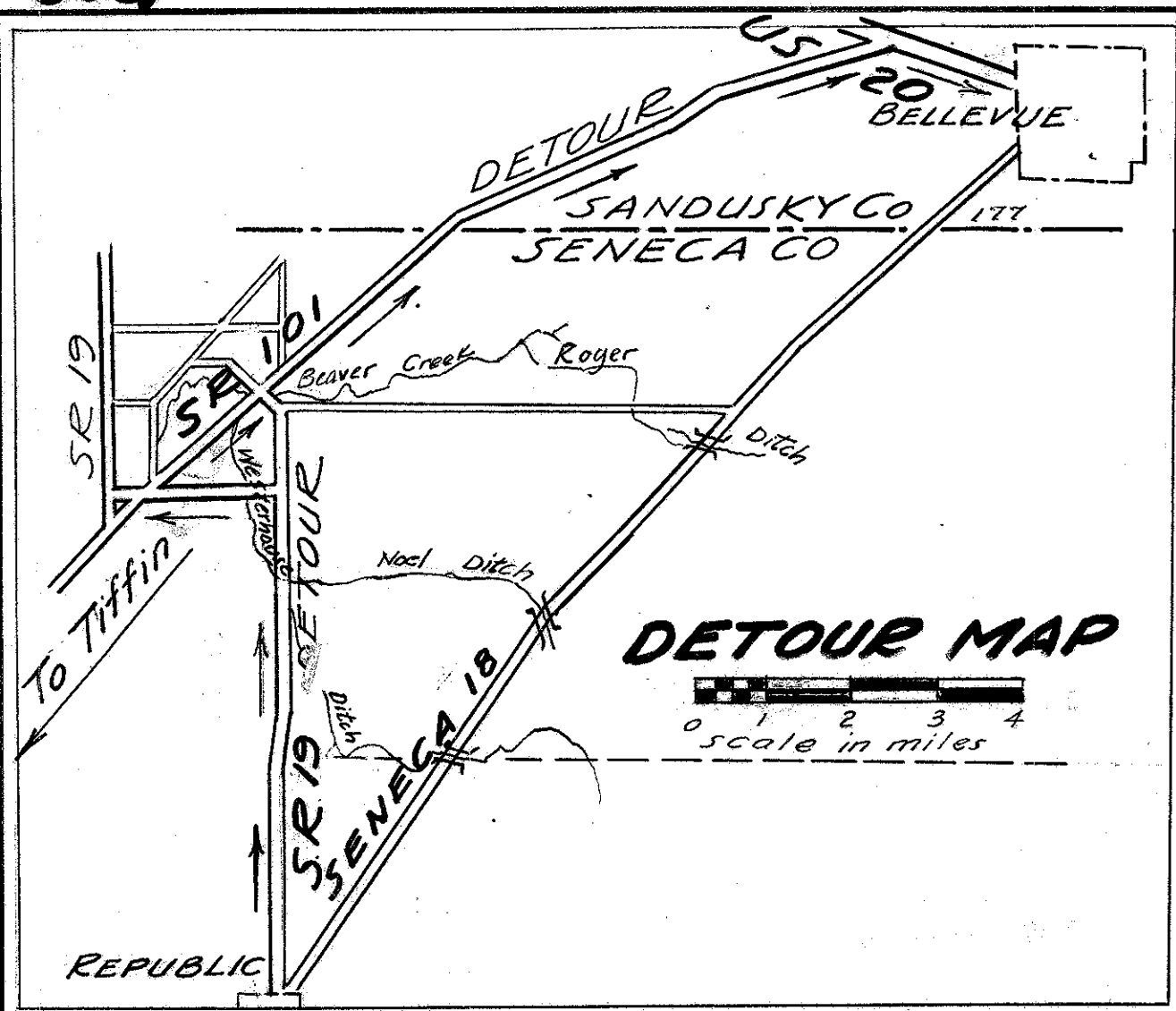


#604



STATE OF OHIO DEPARTMENT OF HIGHWAYS SEN-18-(26.67)(28.42)(31.28) THOMPSON & ADAMS-TOWNSHIPS SENECA COUNTY

SEP 17 1962
GROUND PHOTOLAB

CONVENTIONAL SIGNS

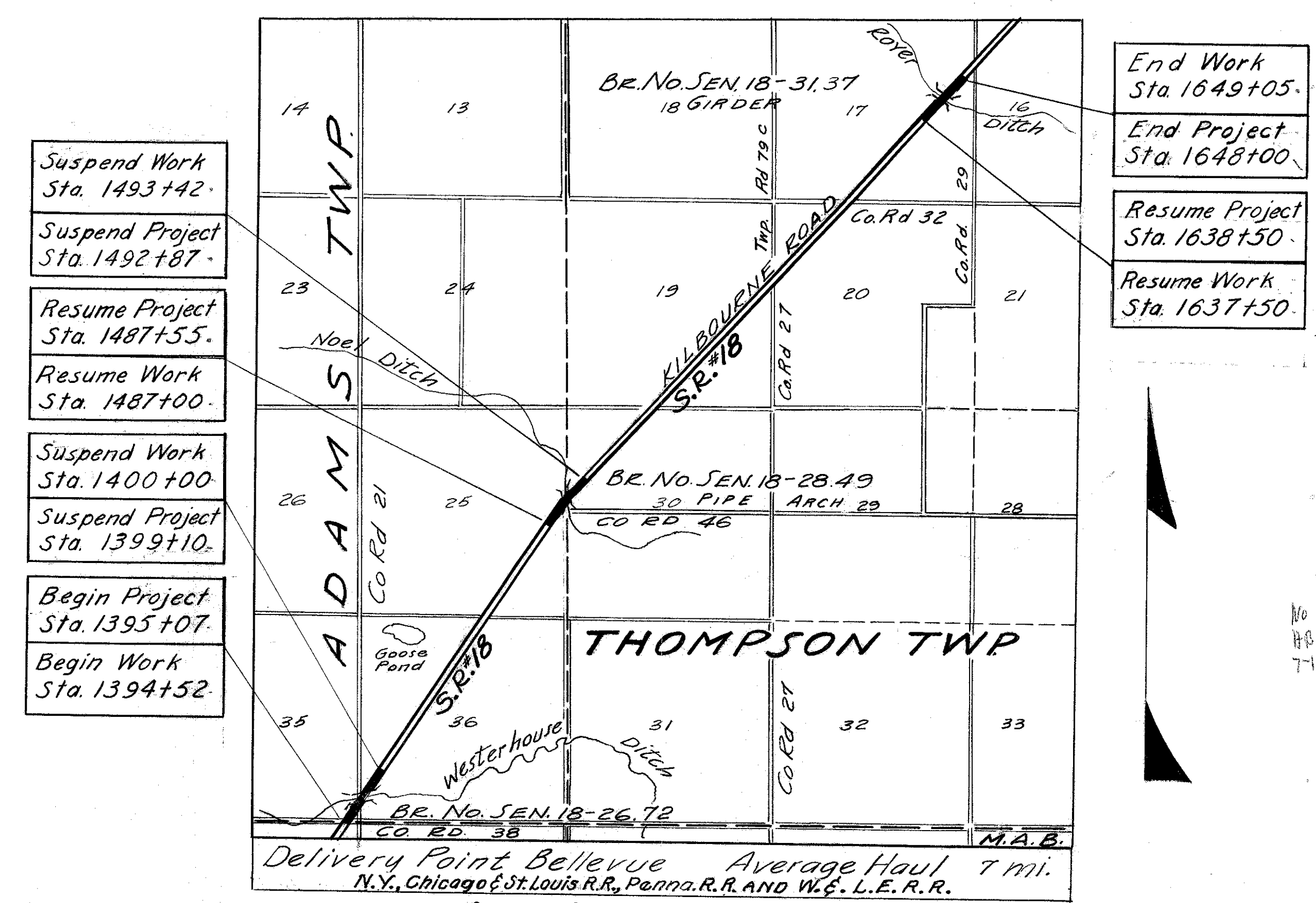
- County Line
- Township Line
- Section Line
- Center Line
- Corporation Line
- Fence Line
- Guard Rail (existing)
- Guard Rail (proposed)
- Railroad
- Power Poles
- Telegraph Poles

INDEX OF SHEETS

- Title Sheets
- Typical Sections
- General Notes
- Pavement Computations
- General Summaries
- Sub Summaries
- Plan & Profile
- Cross Sections
- Intersection Details
- Channel Sections
- Structures Under 20 ft. Span
- Structures Over 20 ft. Span
- Right of Way

LINE DATA

	WORK	LENGTH	PROJECT	LENGTH
Begin	1394+52		1395+07	
Suspend	1400+00	548	1399+10	403
Resume	1487+00		1487+55	
Suspend	1493+42	642	1492+87	532
Resume	1637+50		1638+50	
End	1649+05	1155	1648+00	950
Gross Length		2345 ft.		1885 ft.
		0.444 mi.		0.357 mi.



scale in miles

Portion to be improved

State Roads

Other Roads

Plan

Profile Horizontal

Profile Vertical

Scale

1" = 50'

1" = 50'

1" = 5'

The Standard Specifications of the State of Ohio Department of Highways including changes and Supplemental specifications listed in the proposal shall govern this improvement.

The Right of Way for this improvement shall be provided by the State of Ohio.

I hereby approve these plans and declare the making of this improvement will require the closing of the highway to traffic and that a detour will be provided as indicated on the plans.

- Approved _____
Date 2-23-60 Division Deputy Director
- Approved _____
Date 7-18-60 Deputy Director of Planning & Programming
- Approved _____
Date 7-13-60 Engineer of Location & Design
- Approved _____
Date 7-12-60 Engineer of Bridges
- Approved _____
Date 7-14-60 Deputy Director of Design & Construction
- Approved _____
Date 7-18-60 First Assistant Director
- Approved _____
Date 7-18-60 Director of Highways

SUPPLEMENTAL SPECIFICATIONS	
M-206.6(b)	5-25-56
S-101	12-2-59

STANDARD DRAWINGS	
6-7.07	6-1-56
DR-1	1-3-55
I-1, 2, 3, 4 & 5	4-24-58
I-8 2-2A & B	3-2-59
I-15 No. 2-A	5-21-59
L-3	4-1-50
L-3-A	4-1-50
RI-1	7-15-58
S-27 P.C.3	2-20-45
S-27 P.C.4	1-4-54

SEP 17 1962
GROUND PHOTOLAB

FILE NO
SENECA COUNTY
SECS. SEN-18 (26.67) (28.42) (31.28)
DATE OF LETTING CONTRACT

MICROFILMED
MAR 06 1983

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

32

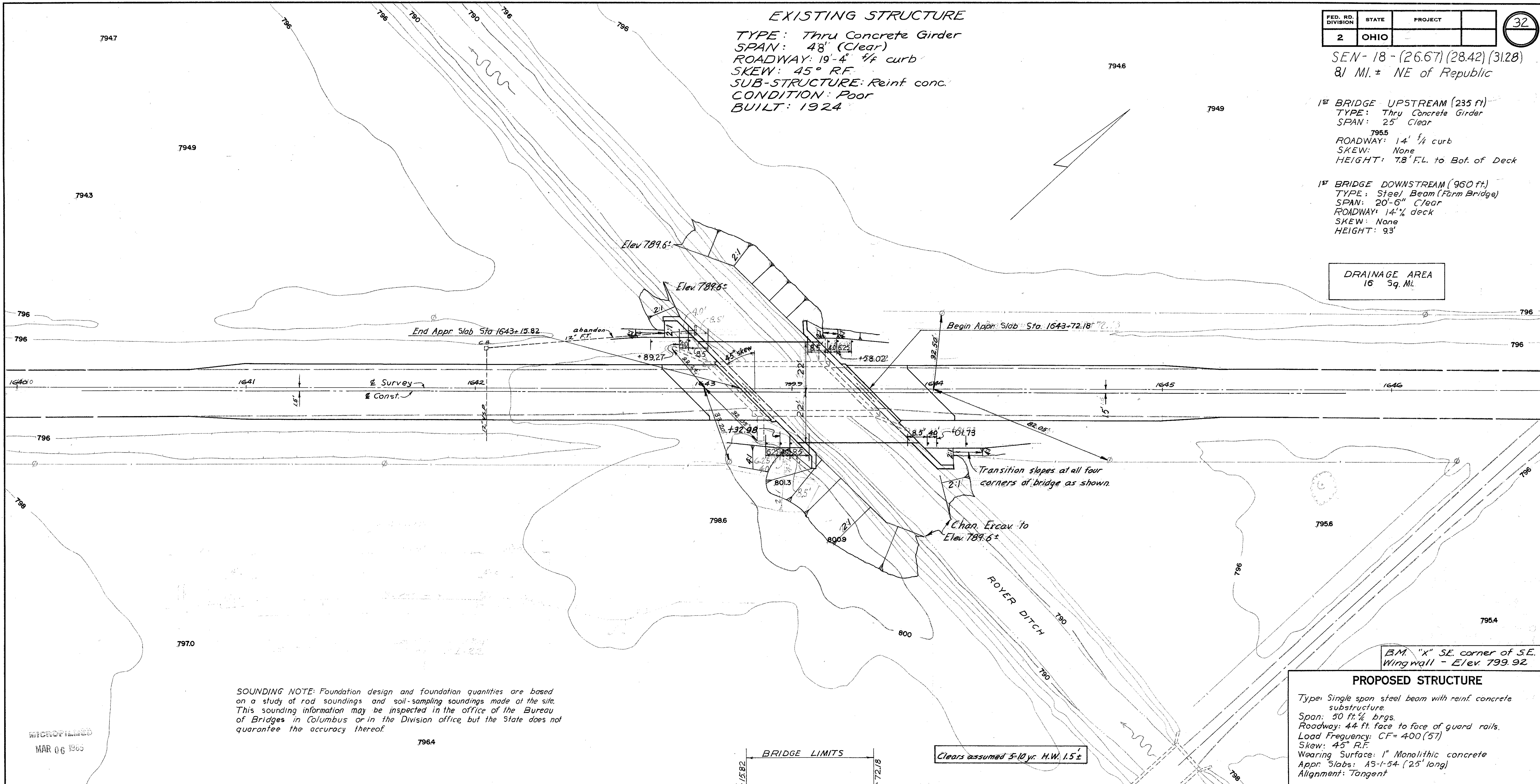
SEN-18-(26.67)(28.42)(31.28)
8/1 MI. ± NE of Republic

1ST BRIDGE UPSTREAM (235 ft)
TYPE: Thru Concrete Girder
SPAN: 25' Clear
ROADWAY: 14' 1/4 curb
SKEW: None
HEIGHT: 7.8' F.L. to Bot. of Deck

1ST BRIDGE DOWNSTREAM (960 ft)
TYPE: Steel Beam (Farm Bridge)
SPAN: 20'-6" Clear
ROADWAY: 14' 1/4 deck
SKEW: None
HEIGHT: 9.3'

DRAINAGE AREA
16 Sq. Mi.

EXISTING STRUCTURE
TYPE: Thru Concrete Girder
SPAN: 48' (Clear)
ROADWAY: 19'-4" 1/4 curb
SKEW: 45° R.F.
SUB-STRUCTURE: Reinf. conc.
CONDITION: Poor
BUILT: 1924



SOUNDING NOTE: Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office, but the State does not guarantee the accuracy thereof.

MICROFILMED
MAR 06 1965

PROPOSED STRUCTURE

Type: Single span steel beam with reinf. concrete substructure.
Span: 50 ft 1/2 brgs.
Roadway: 44 ft. face to face of guard rails.
Load Frequency: CF=400 (57)
Skew: 45° R.F.
Wearing Surface: 1" Monolithic concrete
Appr. Slabs: A5-1-54 (25' long)
Alignment: Tangent

STATE OF OHIO

DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

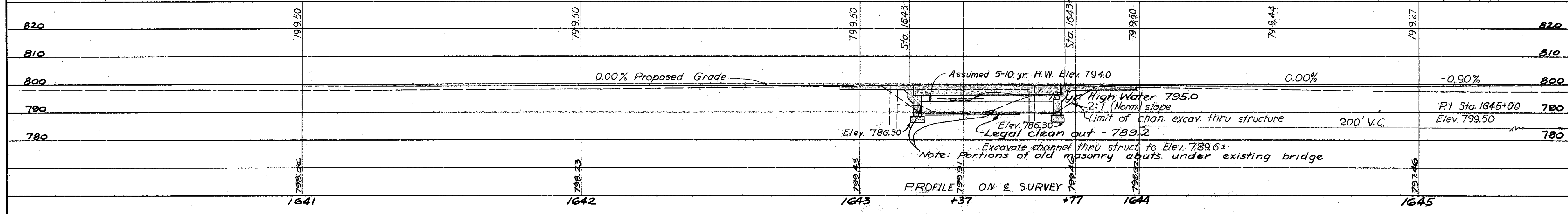
SITE PLAN

BRIDGE NO. SEN-18-3137
OVER ROYER DITCH
SENECA CO. SR-18
STA. 1643+15.82
1643+72.18

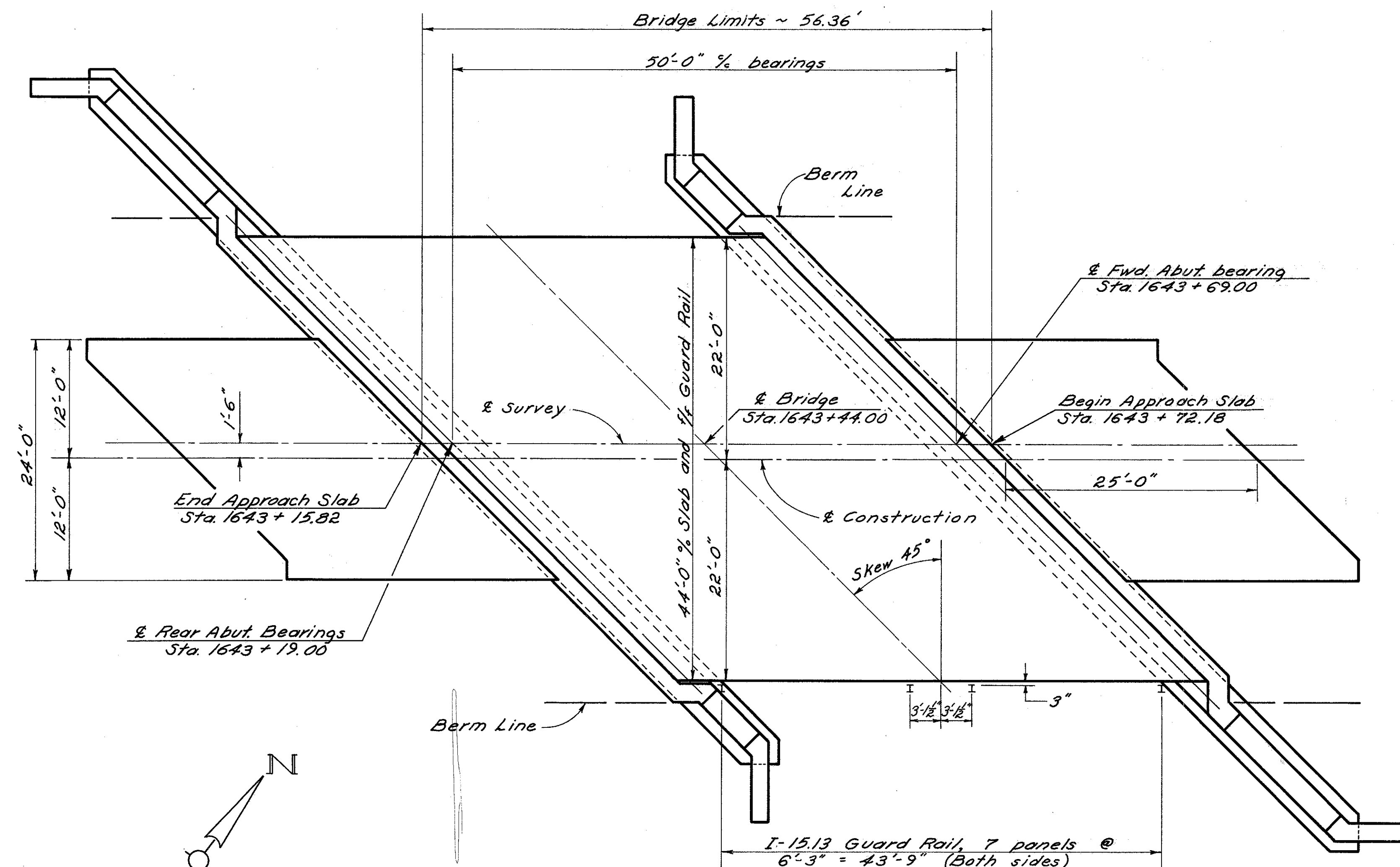
SCALE 1"=20'

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
Aerial Survey	Aerial Survey	J.P.R.	J.P.R.	D.H.S.	P.E.D.

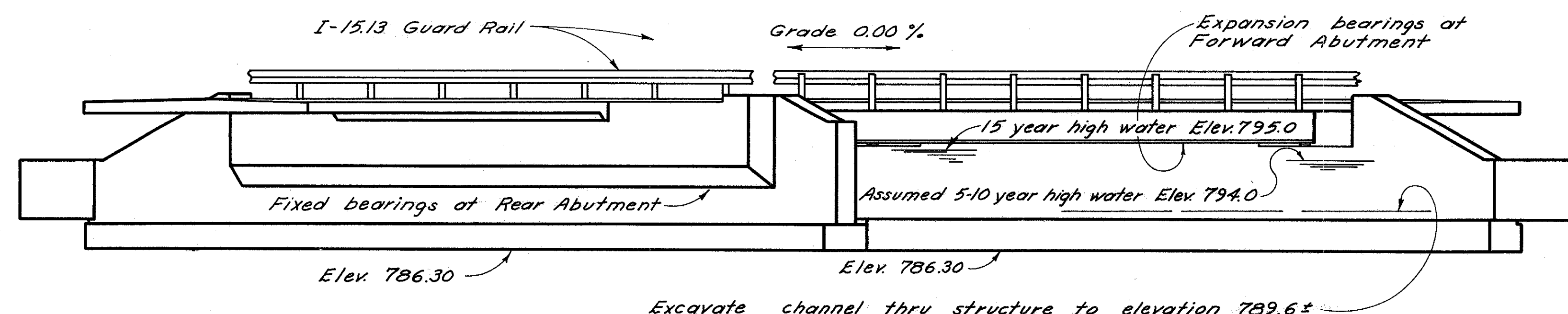
End Work



BFG 4/27/60 02309



GENERAL PLAN



ELEVATION

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Abuts.	Super.	Gen.
E-2	Lump	Sum	Cofferdams, cribs, and sheeting			Lump
E-2	79	Cu.Yds.	Unclassified excavation	79		
E-2	75	Cu.Yds.	Rock excavation	75		
E-3	602	Cu.Yds.	Channel excavation			602
S-1	62	Cu.Yds.	Class "C" concrete, superstructure		62	
S-1	179	Cu.Yds.	Class "E" concrete, abutments above footings	179		
S-1	73	Cu.Yds.	Class "E" concrete, abutment footings	73		
S-3	37	lin. Ft.	Waterproofing, premolded sealing strip	37		
S-4	26,201	Lbs.	Reinforcing steel	9010	17,191	
S-7	68,380	Lbs.	Structural steel		68,380	
S-8	68,380	Lbs.	Field painting of structural steel, as per plan		68,380	
S-9	23	Sq. ft.	1" preformed expansion joint filler	23		
S-14	112.72	Lin. Ft.	Railing (Type I-15.13 with galvanized steel posts and bolts)		112.72	
S-24	Lump	Sum	Removal of existing structure			Lump
S-29	105	Cu.Yds.	Porous backfill	105		

GENERAL NOTES

REFERENCE shall be made to Standard Drawing CSB-1-55 sheet No. 2, revised 2-2-59, and to Supplemental Specification 5-101 dated 12-2-59.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with current revisions thereof.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed.

FOOTINGS shall extend a minimum of 2'-0" into solid rock, or to the elevation shown, whichever is lower.

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 3 tons per sq. ft.

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
GENERAL PLAN AND ELEVATION NOTES & ESTIMATED QUANTITIES					
BRIDGE NO. SEN-18-3137 OVER ROYER DITCH SENECA COUNTY STA. 1643+15.82 STA. 1643+72.18					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
REJ.	REJ.	JDR	OPM	BFG	6-29-60

REINFORCING STEEL LIST																			
Mark	No.	Length	Weight	Shp	BENDING DIAGRAMS					Mark	No.	Length	Weight	Shp					
Superstructure										Abutments cont.									
S701	76	22'-11"	3560	S						A522	30	5'-2"	162	S					
S702	4	4'-0"								A523	8	24'-5"	204	S					
to	Series of	to	2843	S						Vary by 9" increments					A524	96	4'-8"	467	B
S727	26	22'-9"								A525	20	5'-9"	120	S					
S728	8	4'-2"	68	S						A526	8	6'-10"	57	S					
S601	76	22'-11"	2616	S						A527	10	3'-0"	31	S					
S602	4	4'-0"								A528	2	3'-1"	6	S					
to	Series of	to	2089	S						Vary by 9" increments					A529	2	2'-6"	5	S
S627	26	22'-9"								Vary by 9 1/2" increments									
S628	148	26'-10"	5965	S						Vary by 9 1/4" increments									
S629	8	4'-2"	50	S						Vary by 6" increments									
										Vary by 1'-0" increments									
Abutments										Replacement bars									
A601	50	11'-5"	857	B						A530	Series of 5	9'-1 1/2" to 10'-8"	103	S					
A602	68	13'-0"	1328	B						A531	Series of 3	8'-10 1/2" to 10'-5"	60	S					
A501	174	4'-4"	786	B						A532	4	18'-5"	77	S					
A502	206	6'-6"	1397	S						Vary by 6" increments									
A503	16	10'-10"	181	S						A533	Series of 11	5'-9" to 10'-9"	189	S					
A504	16	30'-10"	515	S						A534	Series of 6	5'-6" to 10'-6"	100	S					
A505	16	34'-11"	583	S						Vary by 1'-0" increments									
A506	12	16'-1"	201	S						BAR SIZE is indicated by the first digit in the bar mark. For example, A601 is a No. 6 size bar.									
A507	16	32'-10"	548	S						REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. S-402 need not be furnished and replacement bars will not be required.									
A508	4	31'-0"	129	S						A537									
A509	4	6'-5"	27	S						A538	2	5'-0"	10	S					
A510	4	6'-4"	26	S						A539	2	3'-9"	8	B					
A511	4	6'-3"	26	S						A540	2	2'-0"	4	S					
A512	4	3'-3"	14	S															
A513	16	9'-9"	162	B															
A514	16	8'-0"	134	S															
A515	8	8'-6"	71	S															
A516	4	32'-9"	137	-S															
A517	4	10'-9"	45	S															
A518	4	2'-9"	11	S															
A519	4	7'-10"	33	S															
A520	4	12'-9"	53	S															
A521	4	16'-0"	67	B															