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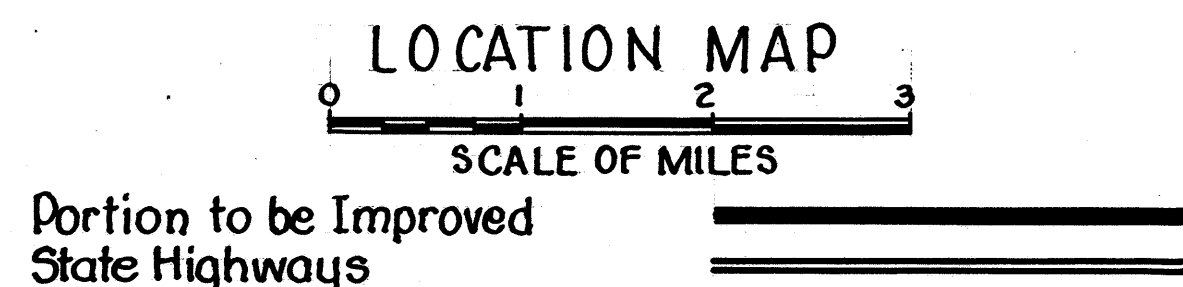
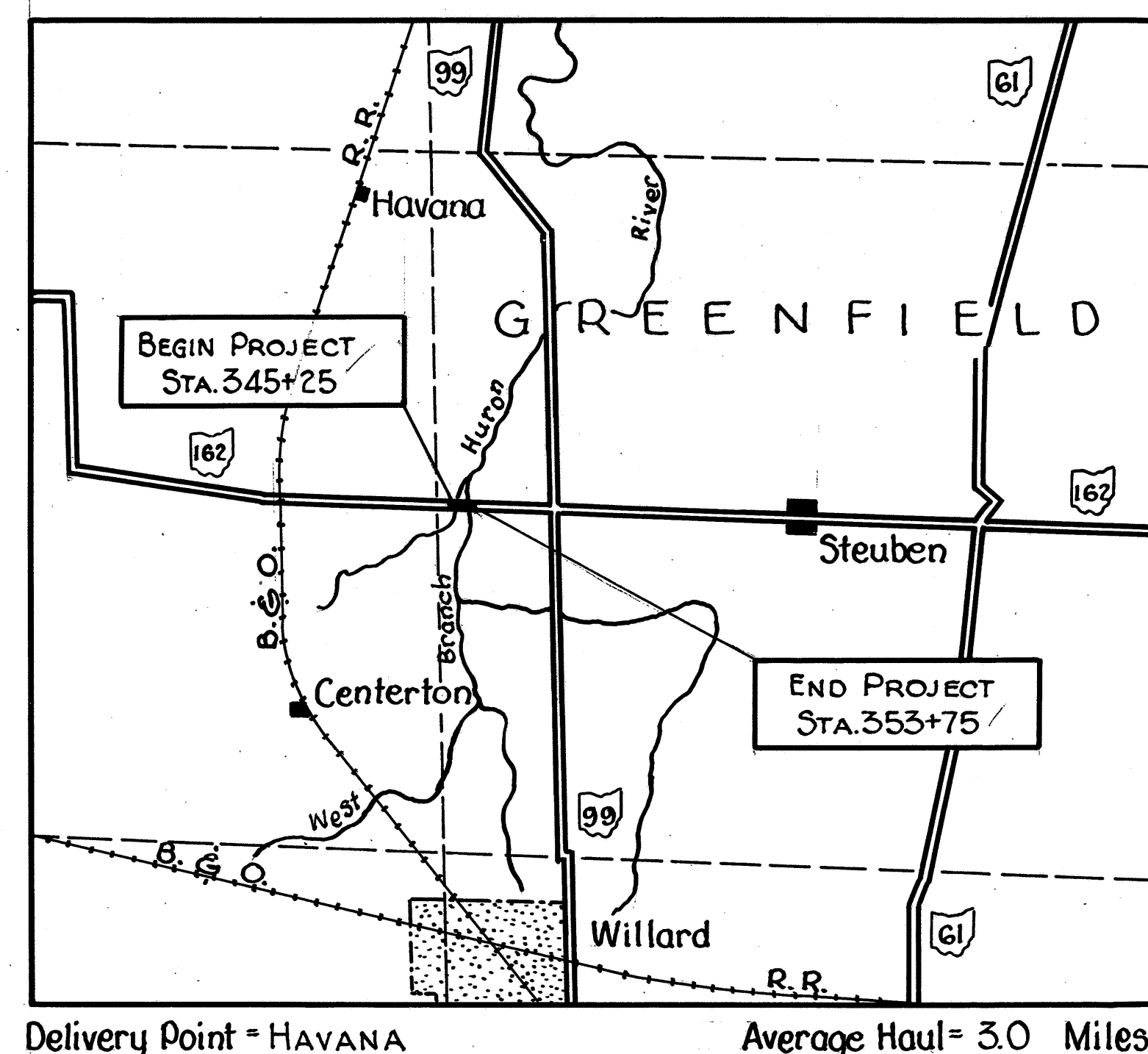
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
HUR - 162 - 6.54
HURON COUNTY
GREENFIELD TOWNSHIP

CONVENTIONAL SIGNS	
County Line	---
Township Line	----
Section Line	-----
Corporation Line	-x-x-x-x-
Fence Line	-x-x-x-x-
Center Line	-----
Pole Line (Telephone & Power)	-φ-φ-φ-
Railroad	-+--+--
Guard Rail (Existing & Proposed)	-+--+--
Property Line	-----

INDEX OF SHEETS	
Title Sheet	1
Typical Section	2
General Summary	2
General Notes	2
Construction Details	2
Plan & Profile	3-4-5
Cross Sections	6-7-8
Channels	9-10
Right-of-Way	11
Structures over 20' Span	12-17

LINE DATA			
	PROJECT	WORK	
Begin	Sta. 345+25	Sta. 345+25	
End	Sta. 353+75	Sta. 354+25	
Gross Length	850.00 Lin.Ft.	900.00 Lin.Ft.	
Net Length	No Additions or Deductions	850.00 Lin.Ft.	900.00 Lin.Ft.
	or 0.160 Miles	or 0.170 Miles	

STANDARD CONSTRUCTION DRAWINGS					
L-1	4-1-50	G-707	1-2-53		
L-3	4-1-50	CS-1-54 2 Shits	12-1-54		
L-3A	4-1-50	A-1-54	12-1-54		
RI-1	1-3-55	P-1-54	12-1-54		
T-35	10-1-52	AS-1-54	12-1-54		
I-12,3,4 & 5	2-20-45				
I-8 CB 2-2A & B	5-1-52				
I-15 No.1	8-1-55				
I-15 No.2	12-1-54				



SCALES	
Plan	1" = 50'
Profile Horizontal	1" = 50'
Profile Vertical	1" = 5'
Cross Sections	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 necessary for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved J. A. Gorman
Date 9-28-55 Division Deputy Director

Approved John J. Hensley
Date 1-4-56 Deputy Director of Planning and Programming

Approved Richard Orth
Date 12-7-55 Engineer of Bridges

Approved E. S. Preston
Date 12-9-55 Engineer of Location and Design

Approved H. F. Gurnea
Date 12-11-55 Deputy Director of Design and Construction

Approved V. J. Schaublin
Date 1-5-56 First Assistant Director

Approved J. A. Gorman
Date 1-9-56 Director of Highways

SUPPLEMENTAL SPECIFICATIONS			
B-119	Rev. 12-14-55		
L-209.12	7-17-54		

CONSTRUCTION
BUREAU
MAY 19 1959
GROUND PHOTOLAB

File No.	HUR-162-6.54
Date of Letting	
Contract No.	

HUR-162-654
2.3 Mi. ± West of Steuben

PI. Sta. 354+93.22
A = 1°-08' RT
D = 0°-30'
T = 113.34'
L = 226.07'
Ex. = 0.56'

Proposed Temporary Runaround (Grade same as exist pavement) Bridge Load Frequency CF=30(51), T-10 Surf Course on approaches.

Transition 3:1 to 2:1 slope

End Appr. Slab Sta. 351+51.58 3.8

Begin Appr. Slab Sta. 352+50.62 2.2

S 88°-35' E

Transition 5:1 to 2:1 slope

Grade shaded area to Elev. 791.5 Slope for drain.

Bank Protection

B.M. Chis + on S. Side of W. Abut. Hu-162-66A Elev. 808.68

BRIDGE LIMITS

400' VC.

Clears assumed 10-15 yr. H.W. 2:1 ±

FOUNDATION SOUNDINGS: 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 assumes no responsibility for the accuracy thereof.

PROPOSED STRUCTURE

Type: Continuous reinf. concrete slab with capped pile substructure.
Spans: 30'-37.5'-30' Brgs.
Roadway: 32' face to face of guardrails.
Load Frequency: CF=30(51)
Skew: 30° L.F.
Wear. Surf.: Bituminous
Appr. Slabs: A5-1-54 (15' long)
Alignment: Tangent.

Existing Bridge Data
Type: Low Steel Truss
Span: 62'-0" (Clear)
Skew: None
Roadway: 14'-10"
Wearing Surf.: 4" Strip Floor
Condition: Fair
Loading: Reduction - 70% of Legal Load.

Drainage Area 14.5 Sq. Mi.

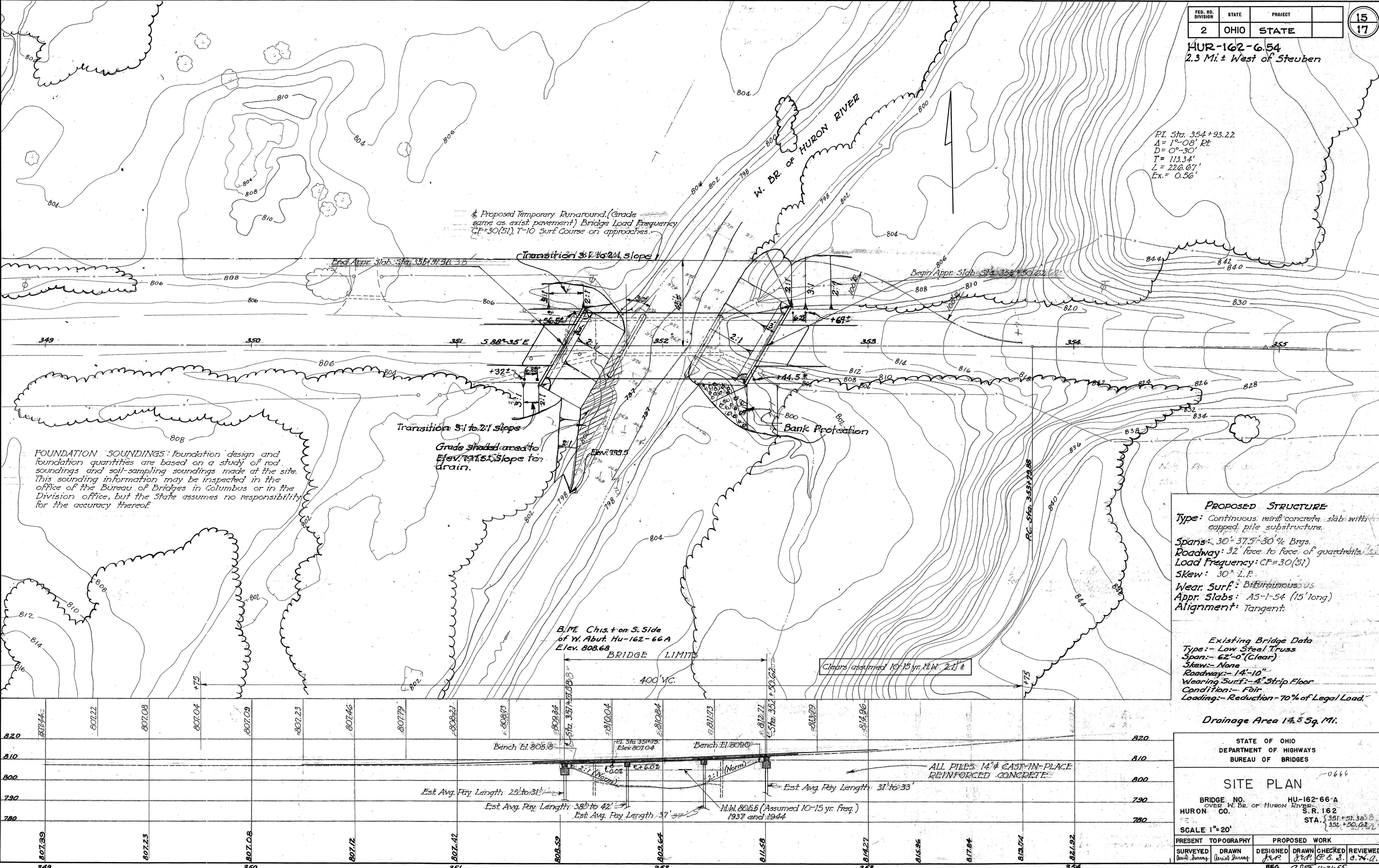
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

BRIDGE NO. HU-162-66-A
OVER W. BR. OF HURON RIVER
HURON CO. S.R. 162
STA. 351+51.58 to 352+50.62
SCALE 1"=20'

PRESENT TOPOGRAPHY		PROPOSED WORK	
SURVEYED	DRAWN	DESIGNED	DRAWN
(Initial Survey)	(Initial Survey)	J.P.P.	J.P.P.

11-21-55



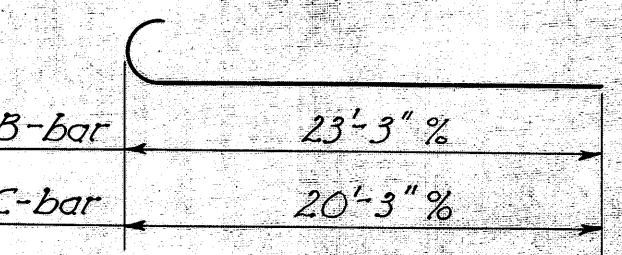
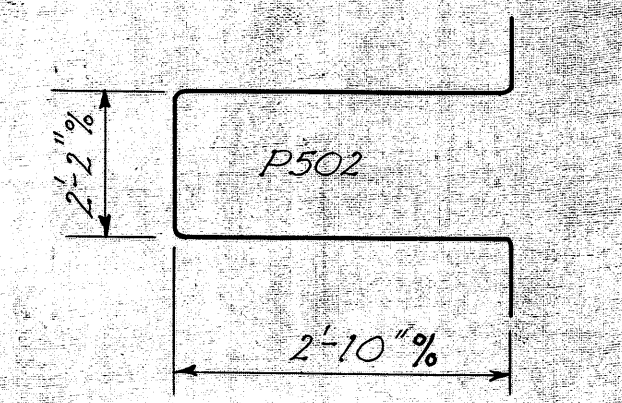
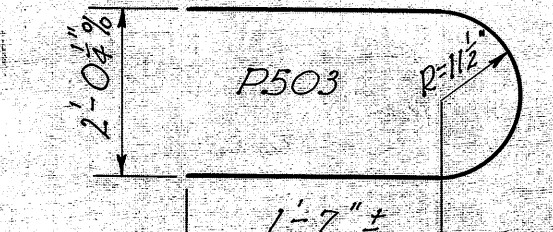
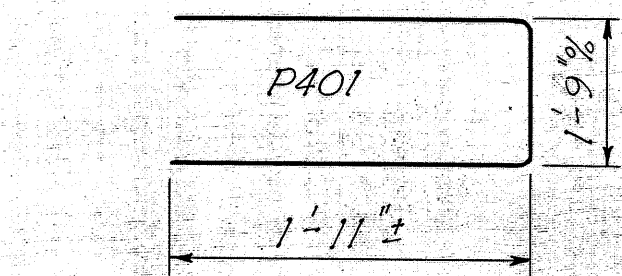
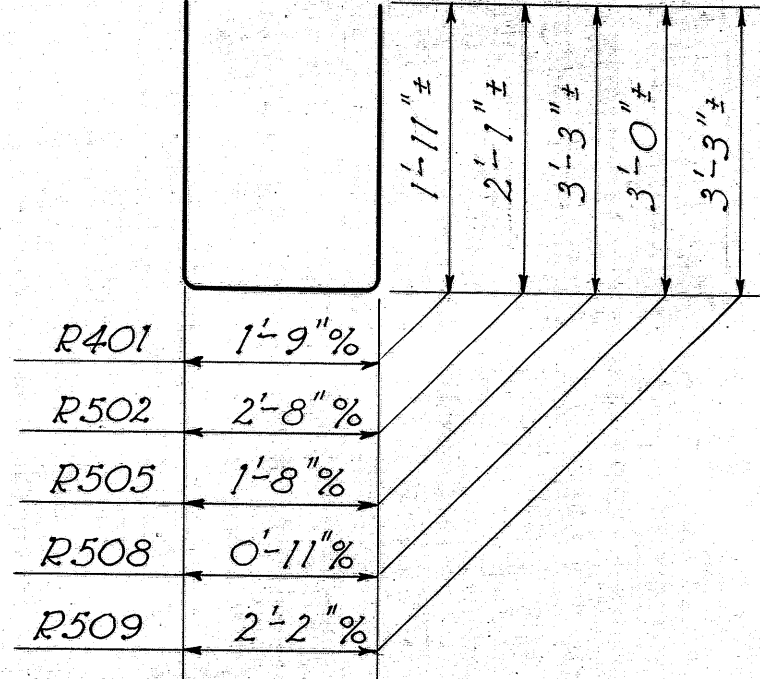
HUR -162-6.54

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	STATE

17
17

STEEL LIST

Mark	No.	Length	Weight	Shp.
ABUTMENTS				
R1001	8	35'-5"	1219	S
R801	16	23'-0"	983	S
R510	4	9'-3"	39	S
R509	20	8'-5"	176	B
R508	20	6'-8"	139	B
R507	16	5'-8"	95	S
R506	4	10'-0"	42	S
R505	32	7'-11"	264	B
R504	24	5'-4"	134	S
R503	4	35'-5"	148	S
R502	116	6'-7"	797	B
R501	16	22'-7"	377	S
R401	48	5'-5"	174	B
PIERS				
P1001	8	36'-4"	1251	S
P901	8	32'-10"	893	S
P701	72	4'-0"	589	S
P503	8	6'-4"	53	B
P502	48	9'-0"	451	B
P501	4	32'-10"	137	S
P401	48	5'-5"	174	B
REPLACEMENT BARS				
RE1001	1	7'-2"	31	
RE901	1	6'-10"	23	
RE801	1	6'-6"	17	
RE701	1	6'-2"	13	
RE601	1	5'-11"	9	
RE501	1	5'-7"	6	
RE401	1	5'-3"	4	
SUPERSTRUCTURE				
A807	96	34'-7"	8864	S
B807	32	24'-4"	2079	B
C807	32	21'-4"	1823	B
D807	16	22'-0"	940	S
E807	16	16'-10"	719	S
F907	64	28'-0"	6093	S
G907	32	16'-8"	1813	S
H907	32	12'-9"	1387	S
J601	32	20'-5"	981	S
K601	16	14'-1"	338	S
M601	91	36'-4"	4966	S
N601	63	36'-4"	3438	S



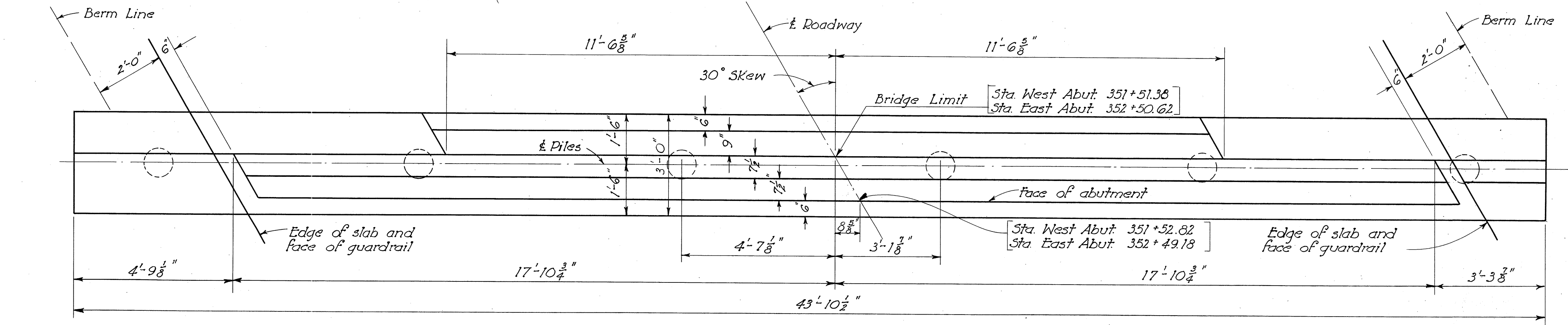
REFERENCE shall be made to Standard Drawings A-1-54 and P-1-54 for details not shown.

STATE OF OHIO
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DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

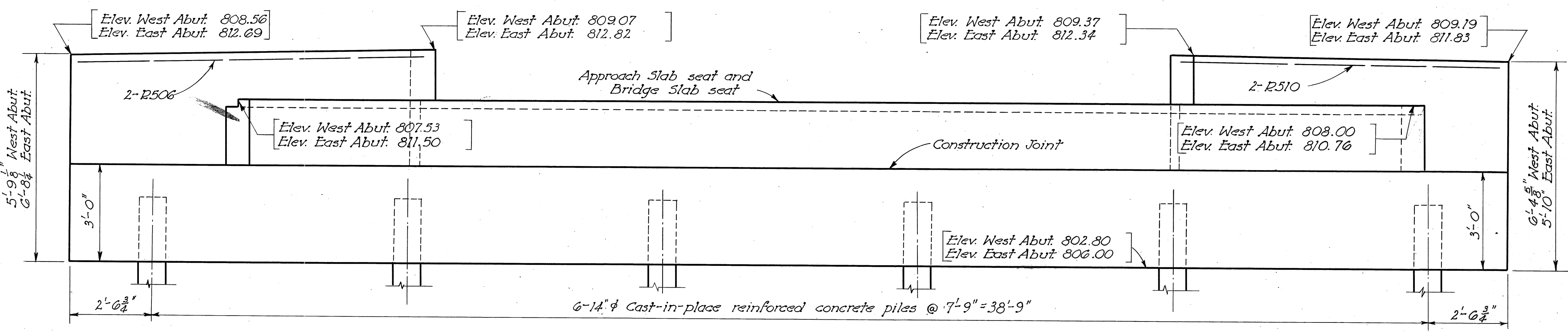
**PIER & ABUTMENT DETAILS
& REINFORCING STEEL LIST**

BRIDGE NO. HU-162-66A
OVER W. BR. OF HURON RIVER
HURON COUNTY Sta. 351+51.38
352+50.62

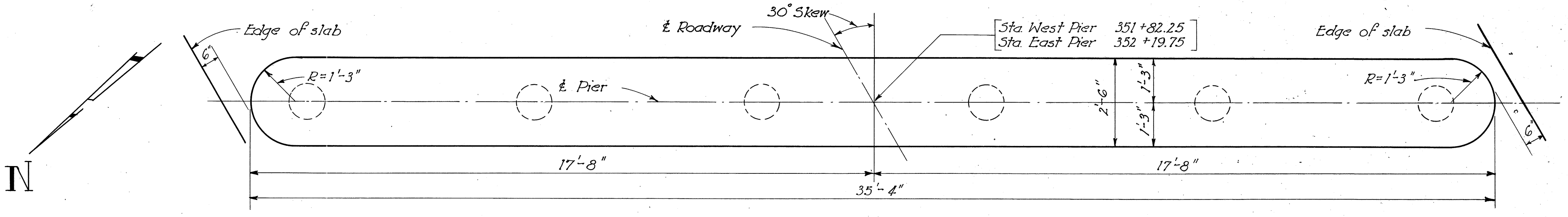
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVIS
2M	2M	Grasselli	R62	afk	11-21-55	



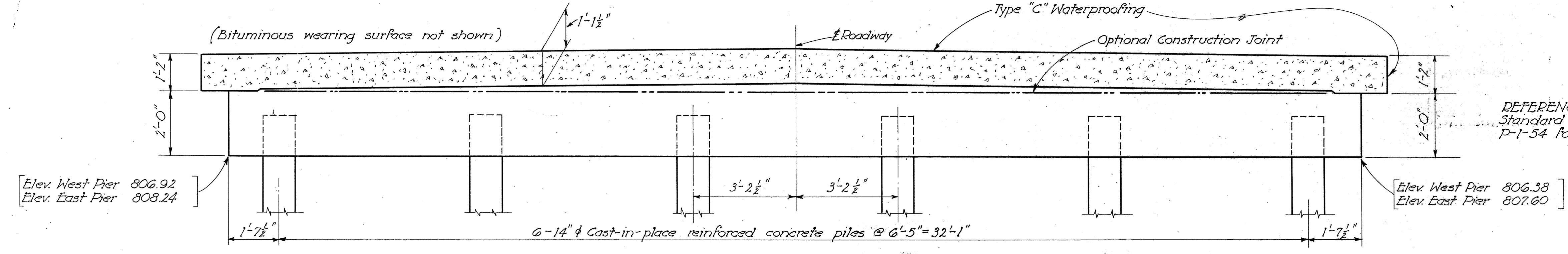
~ ABUTMENT PLAN ~



~ ABUTMENT ELEVATION ~



~ PIER PLAN ~



~ PIER ELEVATION ~