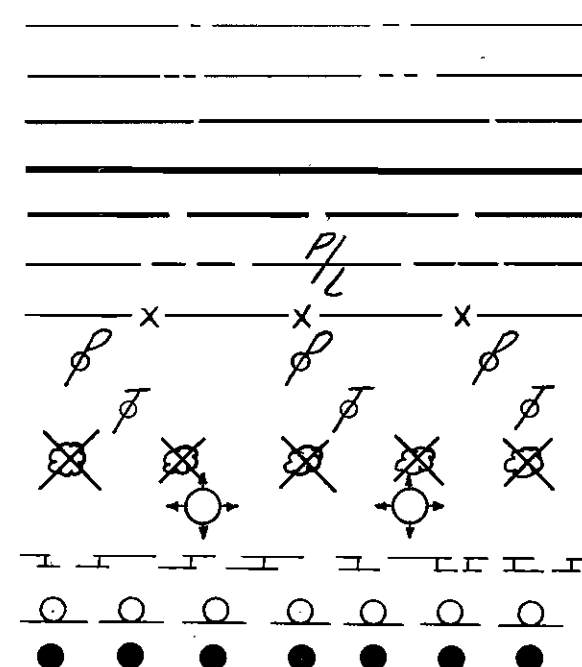


6-X

CONVENTIONAL SIGNS

Center Line
Corporation Line
Existing R/W
Proposed R/W
Slope Easement
Property Line
Fence Line
Power Pole
Telephone Pole
Trees and Stumps to be Removed
Traffic Light
Existing Retaining Wall
Existing Guard Rail
Proposed Guard Rail



INDEX OF SHEETS

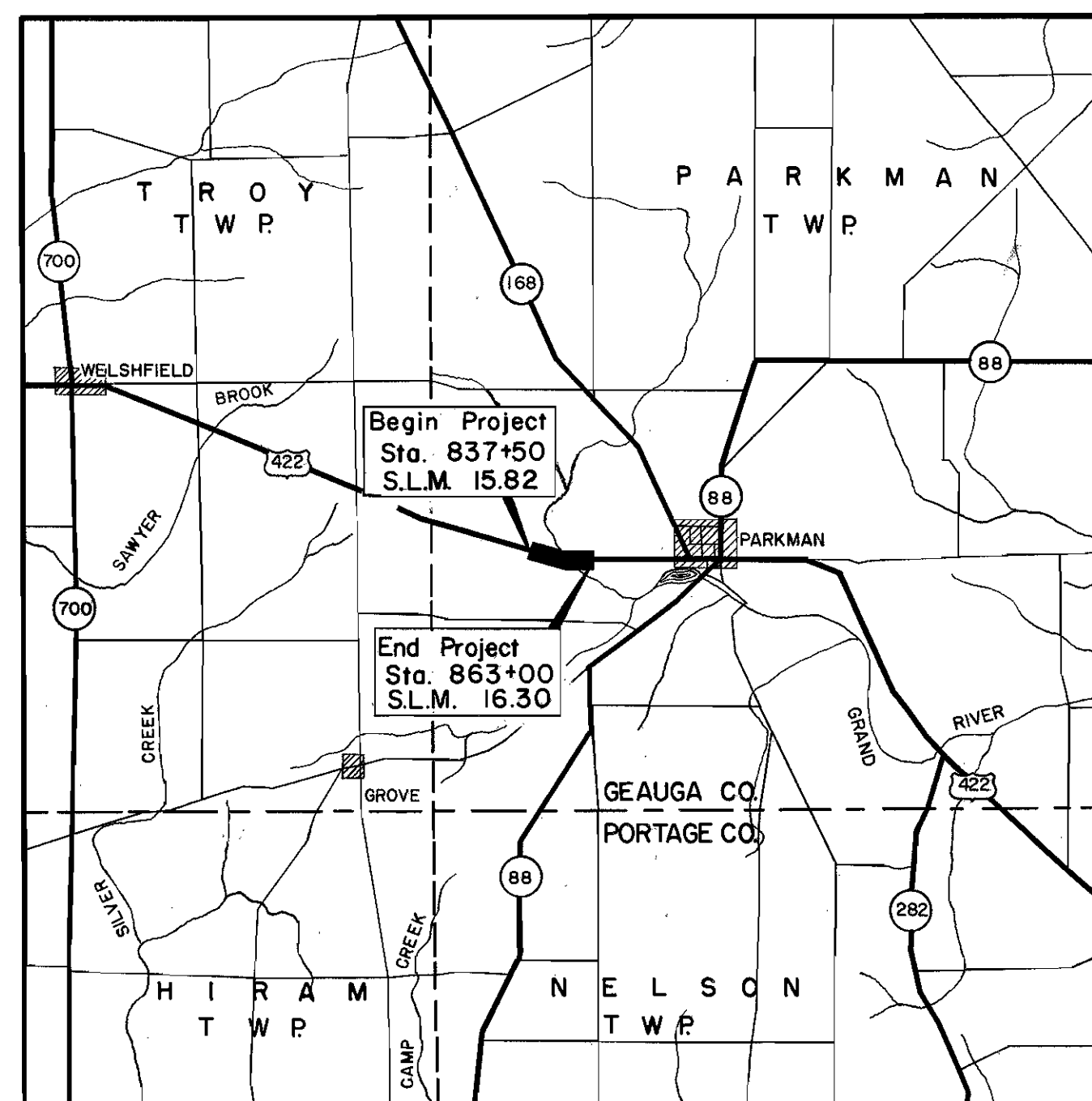
Title Sheet
Typical Section
General Summary
General Notes & Summaries
Plan & Profile and Right-of-Way
Cross Sections
Structures

1
2
3
3-4
5-9
10-19
20-25

LINE DATA

Begin Project Sta. 837+50
End Project Sta. 863+00
= 2550.00 L.F.
Station Equation = -11.25 L.F.
2538.75 L.F. = 0.480 Mi.
Begin Work Sta. 829+22
End Work Sta. 863+50
= 3428.00 L.F.
Station Equation = -11.25 L.F.
3416.75 L.F. = 0.647 Mi.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
GEA-422-15.82 16.38
GEAUGA COUNTY
PARKMAN TOWNSHIP



DELIVERY POINT B.&O. R.R. at Middlefield AVERAGE HAUL - 7.5 MI

STANDARD DRAWINGS			
NUMBER	DATE	NUMBER	DATE
DR-1	1-3-55		
G-7.07	6-1-56		
I-15 No. 2A	8-17-60		
I-15 No. 1	5-21-59		
L-3	4-1-50		
RI-1	7-15-58		
T-35	1-2-56		
I-1, 2, 3, 4, 8, 5	4-24-58		
I-8 C.B. 2-2A & B	3-2-59		
AS-1-54	12-1-54		
L-1	4-1-50		
L-3-A	4-1-50		
S-27 PC-4	1-4-54		

SCALE: 1"= 1 MI.
0 0.5 1 Mi
MAP
LOCATION
PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER HIGHWAYS
SCALE
PLAN AND PROFILE VERT. 1"= 10' HOR. 1"= 50'
PAVEMENT DETAILS 1"= 20'
CROSS SECTIONS 1"= 5'

SUPPLEMENTAL SPECIFICATIONS			
NUMBER	DATE	NUMBER	DATE
S-101	12-2-59		

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	STATE

1
25

SEP 11 1963
GROUND PHOTOGRAPH

GEAUGA COUNTY
GEA-422-15.82
16.38

1959 SPECIFICATIONS.

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

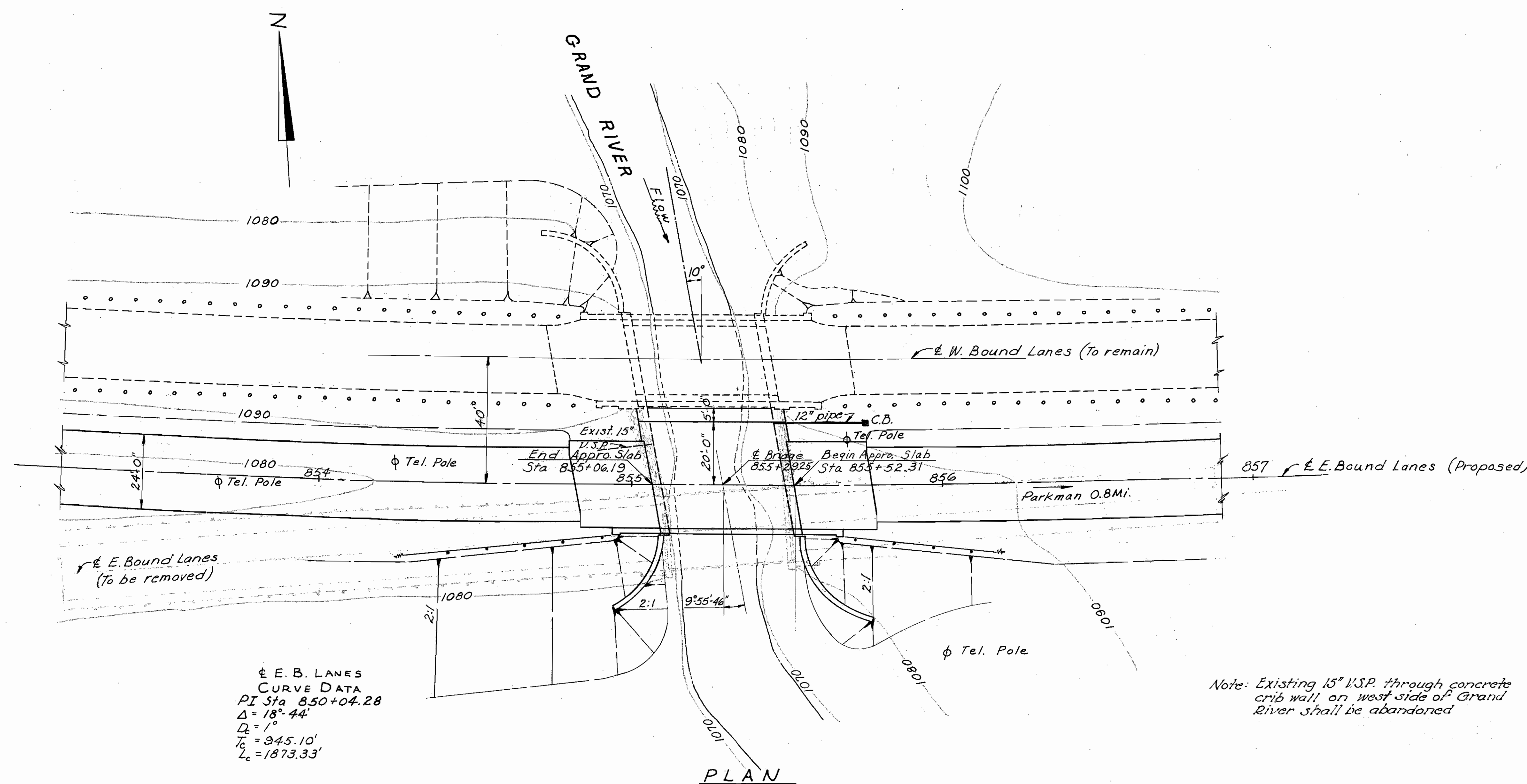
The Right of Way for this improvement will be provided by the State of Ohio.

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

Approved Wm B. Henry
Date 11-8-60 Division Deputy Director
Approved Emil E. Nepper
Date 12-19-60 Deputy Director of Planning & Programming
Approved D. Overman
Date 12-6-60 Engineer of Bridges
Approved W. C. Cunniff
Date 12-9-60 Engineer of Location & Design
Approved W. M. Cunniff
Date 12-9-60 Deputy Director of Design & Construction
Approved W. B. Berry
Date 12-19-60 First Assistant Director
Approved E. F. Preston
Date 12-19-60 Director of Highways

FILE NUMBER	GEAUGA COUNTY	GEA-422-15.82
	DATE OF LETTING	
	CONTRACT NUMBER	

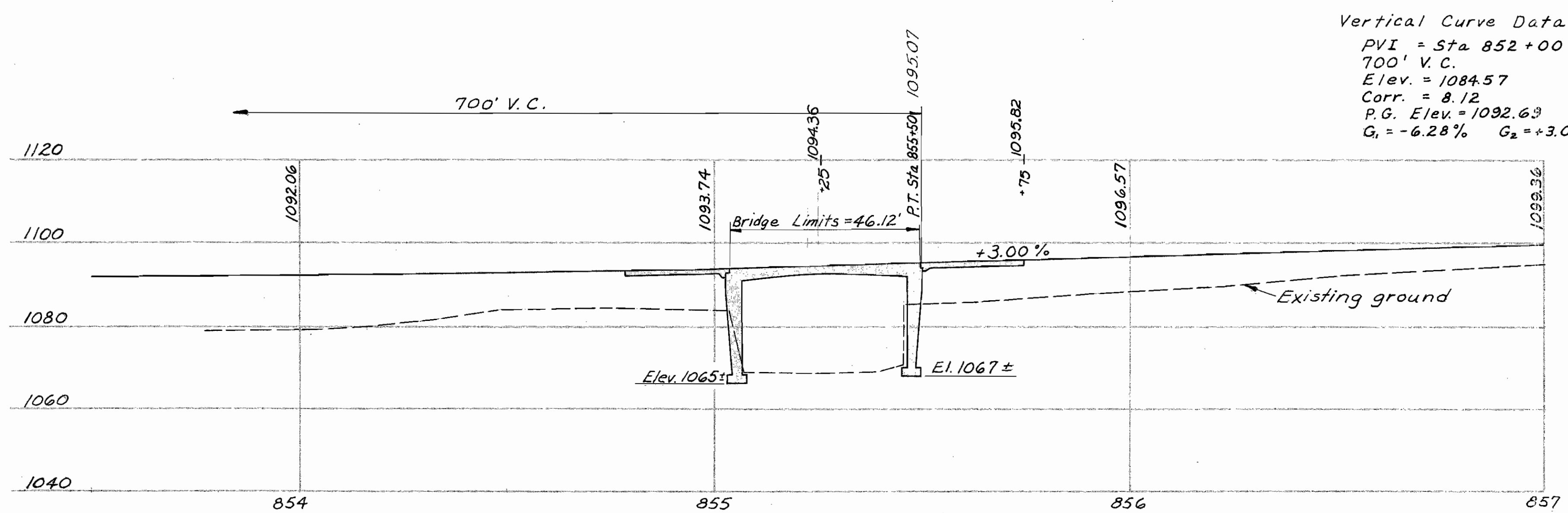
206 1112
PLANS PREPARED BY
ALDEN E. STILSON & ASSOCIATES, Limited
CONSULTING ENGINEERS
75 PUBLIC SQUARE
CLEVELAND, OHIO
FOR
STATE OF OHIO



E. B. LANES
CURVE DATA
PI Sta 850+04.28
 $\Delta = 18^\circ 44'$
 $R_c = 1^\circ$
 $T_c = 945.10'$
 $L_c = 1873.33'$

Note: Existing 15" V.S.P. through concrete crib wall on west side of Grand River shall be abandoned

PLAN



Vertical Curve Data (12' Lt. & E.B. Lanes)
PVI = Sta 852+00
700' V.C.
Elev. = 1084.57
Corr. = 8.12
P.G. Elev. = 1092.63
 $G_1 = -6.28\%$ $G_2 = +3.00\%$

PROFILE 12' LEFT & EAST BOUND LANES (Proposed)

EXISTING STRUCTURE (W. B. LANES)

TYPE: Reinforced concrete rigid frame.
SPAN: 40' clear.
ROADWAY: 20' f/f curbs.
LOADING: H-20
SKEW: 10° R.F.
WEARING SURFACE: 2" asphaltic conc.
ALIGNMENT: 1° curve left

EXISTING STRUCTURE (E. B. LANES)

TYPE: Steel beam with timber deck and stone abutments
SPAN: 37' clear
ROADWAY: 24'-0" f/f guardrail
LOADING: H-15
SKEW: None
WEARING SURFACE: Asphaltic concrete
ALIGNMENT: Tangent

PROPOSED STRUCTURE

TYPE: Reinforced concrete rigid frame extension to existing concrete rigid frame.
SPAN: 40'-1 1/2" f/f Breastwalls along &
ROADWAY: 66' pavement, 13' median, conc. curb & parapet and steel railing.
LOADING: H-20-33
SKEW: 9°55'-46" R.F. at & structure
WEARING SURFACE: 2 1/2" Asphaltic Conc.
ALIGNMENT: 1° curve left
SUPERELEVATION: 1/4 per ft.
APPROACH SLABS: A5-1-54 (25' long)

Drainage Area = 7.6 sq. miles

ALDEN E. STILSON & ASSOCIATES, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO

SITE PLAN
BRIDGE N° GEA-422-1616
E. BOUND S.R. 422 OVER GRAND RIVER
GEAUGA COUNTY
STA. 855+29.25

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
S.V.C.	S.V.C.		R.C.	J.E.V.	7/26/60	

