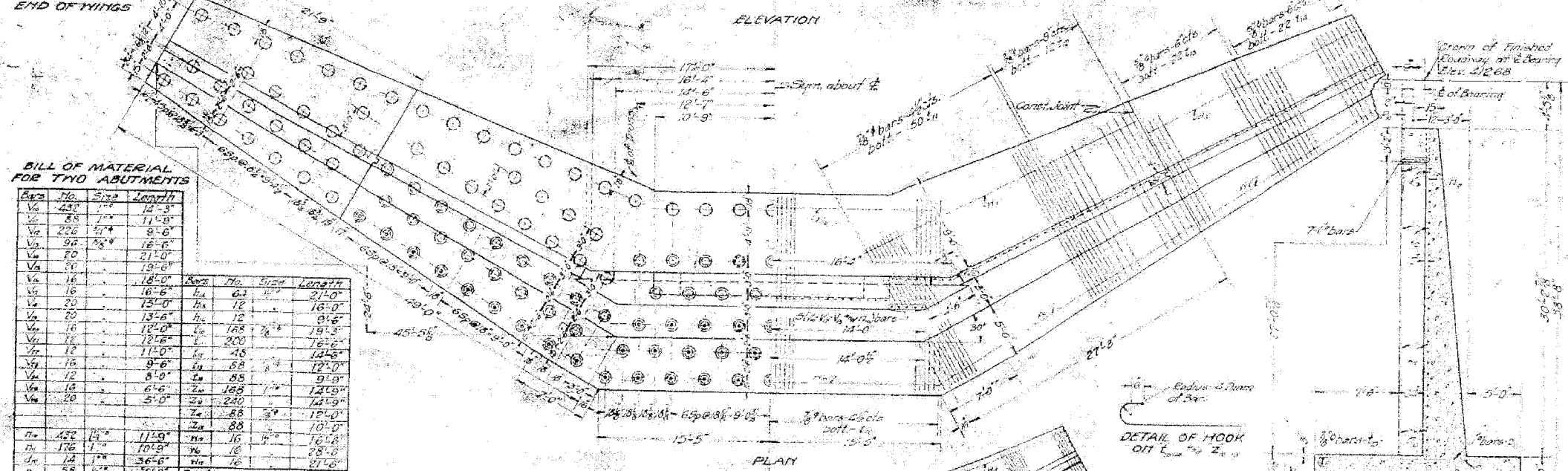
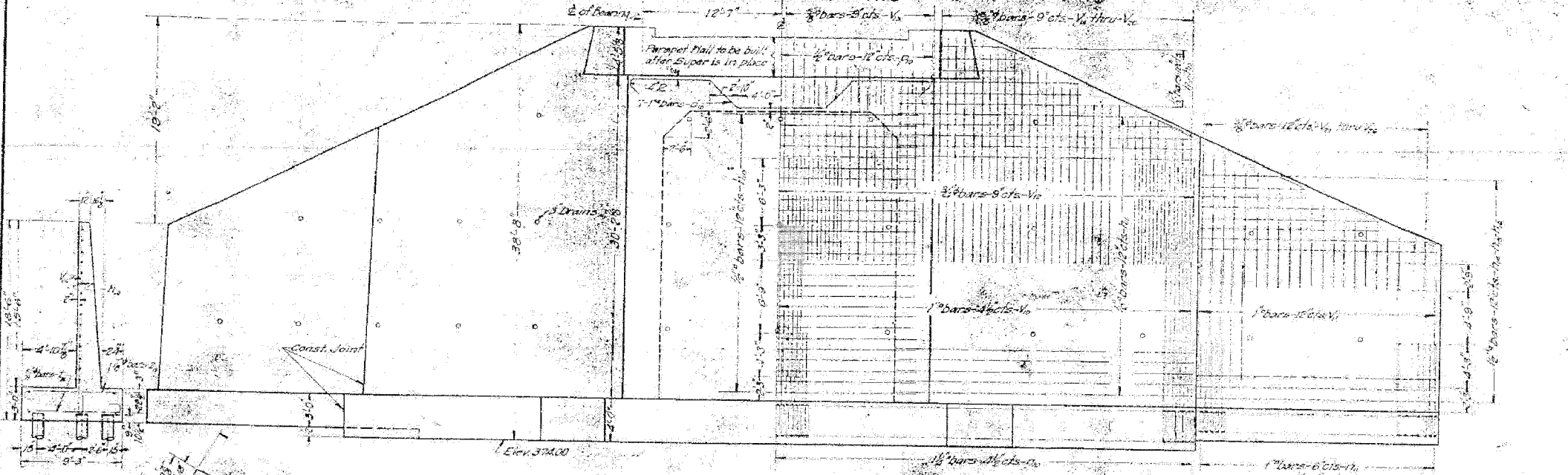


ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 827	12Z-3, 12BR	WABASH, IL GIBSON, IN	158	142
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS PROJECT		

Waterproofing
The faces of Abutments and Wing Walls shall be waterproofed in accordance with Article 42.18 of the Specifications.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHEET NO. 12
12 SHEETS



BILL OF MATERIAL FOR TWO ABUTMENTS

Bars	No.	Size	Length	Bars	No.	Size	Length
Va	432	1/2"	12'-3"	Za	88	2"	12'-0"
Vb	88	1/2"	11'-8"	Zb	16	5"	16'-0"
Vc	226	1/2"	9'-6"	Zc	16	5"	16'-0"
Vd	92	3/4"	18'-6"	Zd	16	5"	16'-0"
Ve	20	1"	21'-0"	Ze	240	2"	12'-0"
Vf	30	1"	19'-0"	Zf	88	2"	12'-0"
Vg	16	1 1/2"	16'-0"	Zg	88	2"	12'-0"
Vh	16	1 1/2"	16'-0"	Zh	16	5"	16'-0"
Vi	20	1 1/2"	16'-0"	Zi	16	5"	16'-0"
Vj	16	1 1/2"	16'-0"	Zj	16	5"	16'-0"
Vk	16	1 1/2"	16'-0"	Zk	16	5"	16'-0"
Vl	16	1 1/2"	16'-0"	Zl	16	5"	16'-0"
Vm	16	1 1/2"	16'-0"	Zm	16	5"	16'-0"
Vn	16	1 1/2"	16'-0"	Zn	16	5"	16'-0"
Vo	16	1 1/2"	16'-0"	Zo	16	5"	16'-0"
Vp	16	1 1/2"	16'-0"	Zp	16	5"	16'-0"
Vq	16	1 1/2"	16'-0"	Zq	16	5"	16'-0"
Vr	16	1 1/2"	16'-0"	Zr	16	5"	16'-0"
Vs	16	1 1/2"	16'-0"	Zs	16	5"	16'-0"
Vt	16	1 1/2"	16'-0"	Zt	16	5"	16'-0"
Vu	16	1 1/2"	16'-0"	Zu	16	5"	16'-0"
Vv	16	1 1/2"	16'-0"	Zv	16	5"	16'-0"
Vw	16	1 1/2"	16'-0"	Zw	16	5"	16'-0"
Vx	16	1 1/2"	16'-0"	Zx	16	5"	16'-0"
Vy	16	1 1/2"	16'-0"	Zy	16	5"	16'-0"
Vz	16	1 1/2"	16'-0"	Zz	16	5"	16'-0"
Wa	452	1/2"	11'-9"	Perforated Steel-Lbs.	115180		
Wb	176	1"	10'-8"	Class X Concrete-Cu Yds.	11117		
Wc	14	1"	36'-6"	257 Upr. Piling-Lin. Ft.	2880		
Wd	58	1"	25'-9"	207 Upr. Piling-Lin. Ft.	3060		
We	108	1"	27'-5"	157 Upr. Piling-Lin. Ft.	3960		
Wf	72	1"	17'-6"				
Wg	12	1"	8'-0"				

COMPUTED BY J. J. Schutte
CHECKED BY A. C. Schutte
DRAWN BY J. J. Schutte
CHECKED BY J. J. Schutte
ASSEMBLED BY J. J. Schutte
SPECIAL CHECKED BY J. J. Schutte

EXAMINED BY W. J. Schutte
PASSED BY H. E. Swann
APPROVED BY Frank J. Schutte

- 15 Ton Upr. Pile - 8" Tip, 12" Butt - 30 Long - 1980 Lbs. Est. Length 3360 Lin. Ft.
- 20 Ton Upr. Pile - 8" Tip, 12" Butt - 30 Long - 1980 Lbs. Est. Length 3960 Lin. Ft.
- 25 Ton Upr. Pile - 8" Tip, 12" Butt - 30 Long - 1980 Lbs. Est. Length 3960 Lin. Ft.
- 30 Ton Upr. Pile - 8" Tip, 12" Butt - 30 Long - 1980 Lbs. Est. Length 3960 Lin. Ft.

Reinforcing Steel to be wired securely in place before concrete is poured. Class X Concrete to be used thru-out.

FOR INFORMATION ONLY

SECTION OF ABUTMENTS
ABUTMENTS
MOUNT CARMEL BRIDGE
OVER
WABASH RIVER
BETWEEN
ILLINOIS AND INDIANA