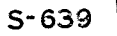
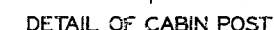
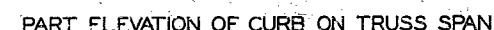
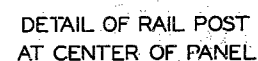
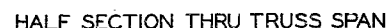


13

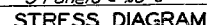
AL- TRACING CLOTH  
E. ALDE CO.  
ST. LOUIS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	50-50	19		



Note: Dimensions given are cambered lengths



BRIDGE OVER SHOAL CREEK DRAINAGE DITCH

STATE ROAD FROM UTICA TO DAWN  
ABOUT 0.1 MILE SOUTH OF DAWN STATION  
PROJECT NO. SC-52 STA. 193 + 99.50

LIVINGSTON COUNTY

**S-639**

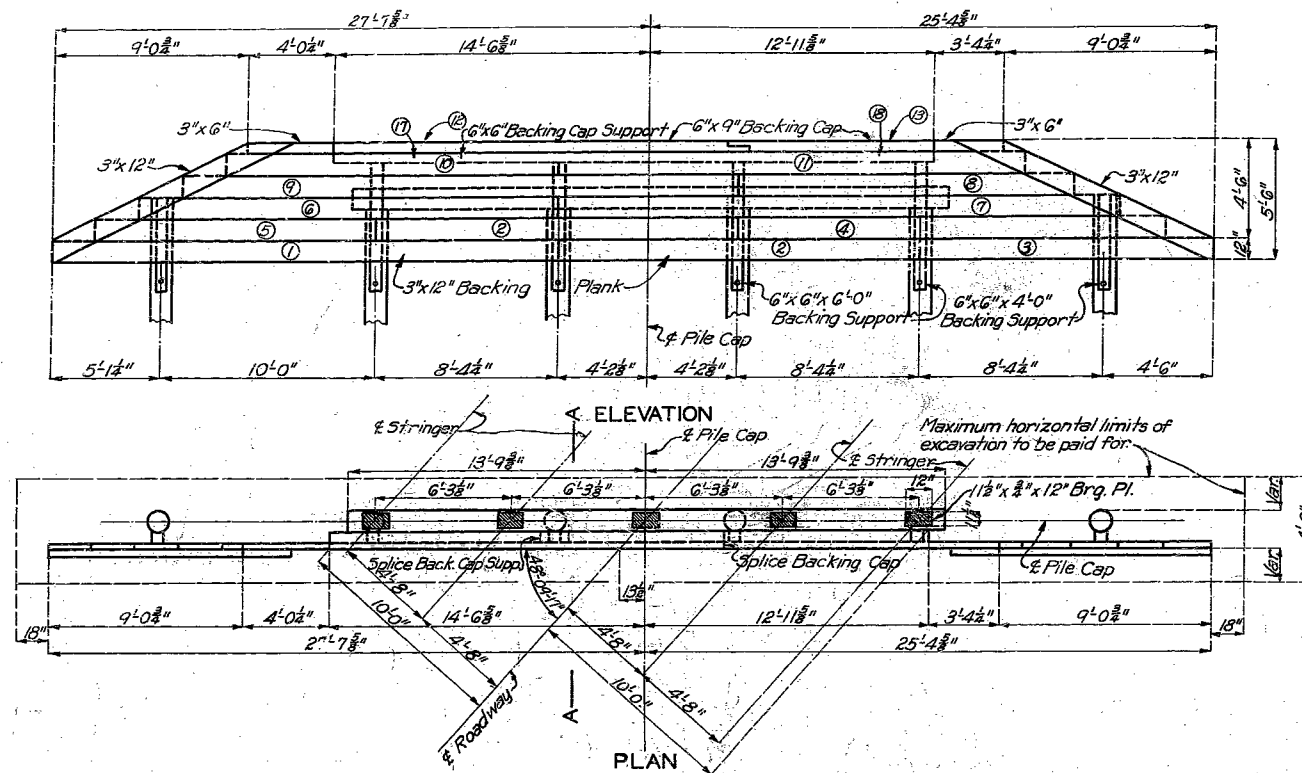
Sheet No. 3 of 4

Drawn Oct. 1932 By H.D.  
Traced Nov. 1932 By H.W.H.  
Checked Nov. 1932 By L.H.

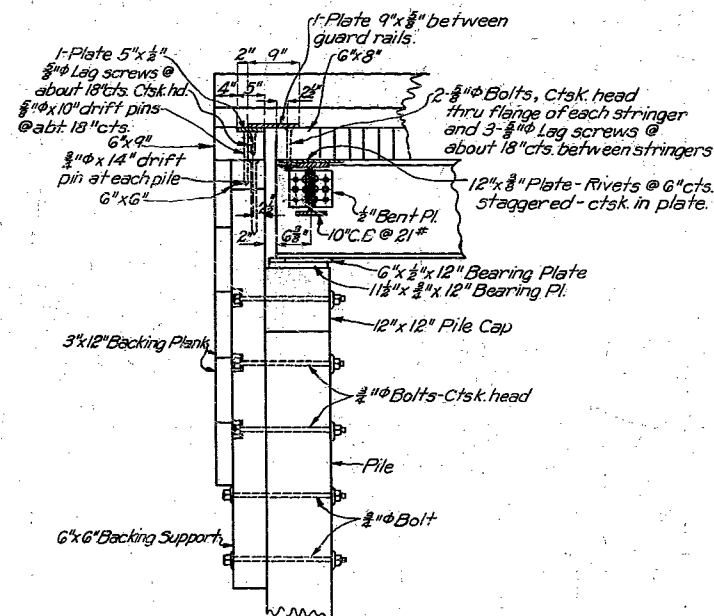
Note: This drawing is not to scale.  
Follow dimensions.

# MISSOURI STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5C-52	19		



DETAILS OF END BENTS NO. 1 & 4



SECTION A-A

**NAILING SCHEDULE:**  
Backing planks to supports; 3-50d at each support at splices, 3-50d each side of splice. Pieces at ends of backwall to backing plank; 4-50d to each backing plank.

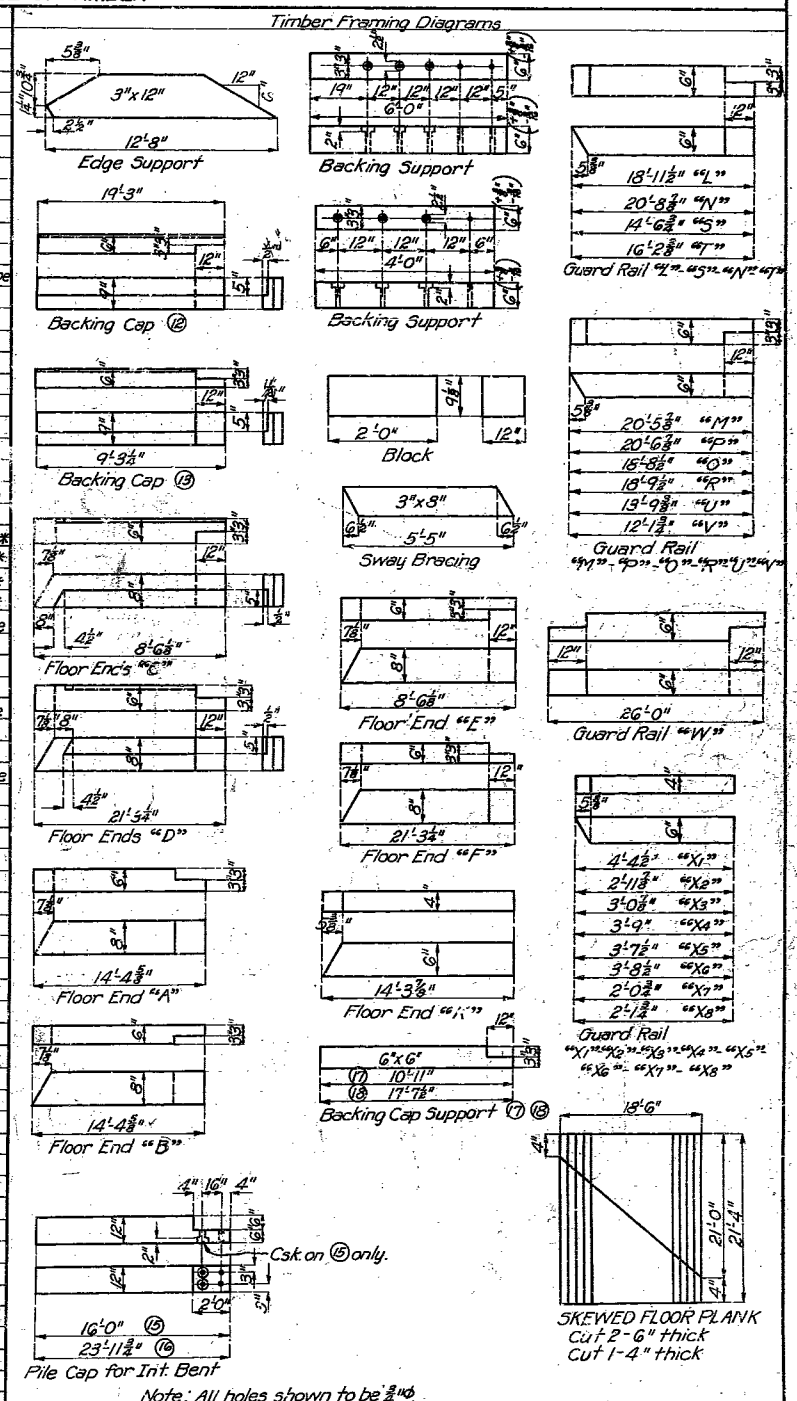
Note: Any irregularity in alignment of piling in end bents to be corrected by facing one surface of the piling or by varying the thickness of the backing support such as to place the surface of the backing in a true plane and eliminate any strain on the backing plank. Splice in backing plank to be made at center of 6"x6" backing supports as shown.

Note: This drawing is not to scale. Follow dimensions.

## BILL OF TIMBER

Piece	No.	Size	Length	Remarks	
End Bents					
Backing Plank	①	2	3"x12"	24'-0"	Cut to length
"	②	4	3"x12"	17'-9"	"
"	③	2	3"x12"	13'-4"	"
"	④	2	3"x12"	19'-8"	"
"	⑤	2	3"x12"	13'-7"	"
"	⑥	2	3"x12"	19'-11"	"
"	⑦	2	3"x12"	26'-0"	"
"	⑧	2	3"x12"	15'-8"	"
"	⑨	2	3"x12"	26'-4"	"
"	⑩	2	3"x12"	15'-11"	"
"	⑪	2	3"x12"	22'-0"	" & Shape
Backing Cap Support	⑫	2	6"x6"	10'-11"	"
Shoulder Plank		2	3"x6"	3'-4 1/2"	"
"		2	3"x6"	4'-0 1/2"	"
Edge Support		4	3"x12"	12'-8"	Cut to length & shape
Backing Support		8	6"x6"	6'-0"	"
"		4	6"x6"	4'-0"	"
Backing Cap	⑬	2	6"x9"	19'-3"	"
"	⑭	2	6"x9"	9'-3 1/2"	"
Pile Cap		2	12"x12"	27'-6 1/2"	Cut to length *
Backing Cap Support	⑮	2	6"x6"	17'-7 1/2"	Cut to length & shape
Intermediate Bents					
Pile Cap	⑯	4	12"x12"	23'-1 1/2"	Cut to length & shape
"	⑰	4	12"x12"	16'-0"	"
Block		28	12"x12"	4'-6"	Cut to length *
"		10	12"x12"	2'-0"	"
"		10	9 1/2"x12"	2'-0"	Cut to length & shape
Bracing		4	3"x8"	26'-6"	Cut to length
"		16	3"x8"	12'-0"	"
"		16	3"x8"	4'-0"	"
"		16	3"x8"	5'-5"	Cut to length & shape
Superstructure					
Floor End	①	2	6"x8"	8'-6 1/2"	Cut to length & shape
"	②	2	6"x8"	21'-3 1/2"	"
"	③	1	6"x8"	8'-6 1/2"	"
"	④	1	6"x8"	21'-3 1/2"	"
"	⑤	1	6"x8"	8'-6 1/2"	"
"	⑥	1	6"x8"	21'-3 1/2"	"
"	⑦	4	4"x8"	14'-3 1/2"	"
Guard Rail	⑧	2	6"x6"	18'-1 1/2"	"
"	⑨	1	6"x6"	20'-5"	"
"	⑩	2	6"x6"	20'-8 1/2"	"
"	⑪	1	6"x6"	18'-8 1/2"	"
"	⑫	1	6"x6"	20'-6 1/2"	"
"	⑬	1	6"x6"	18'-9 1/2"	"
"	⑭	1	6"x6"	14'-6 1/2"	"
"	⑮	1	6"x6"	16'-2 1/2"	"
"	⑯	1	6"x6"	13'-9 1/2"	"
"	⑰	1	6"x6"	12'-1 1/2"	"
"	⑱	6	6"x6"	26'-0"	"
"	⑲	2	4"x6"	4'-4 1/2"	"
"	⑳	1	4"x6"	2'-1 1/2"	"
"	㉑	1	4"x6"	3'-0 1/2"	"
"	㉒	3	4"x6"	3'-9"	"
"	㉓	1	4"x6"	3'-7 1/2"	"
"	㉔	2	4"x6"	3'-8 1/2"	"
"	㉕	1	4"x6"	2'-0 1/2"	"
"	㉖	1	4"x6"	2'-1 1/2"	"
"	㉗	20	4"x6"	4'-5"	Cut to length
"	㉘	38	4"x6"	3'-6"	"
Floor Plank		196	2"x6"	21'-0"	"
"		493	2"x4"	21'-0"	"
Skewed Floor Plank		2	18'-6"x6"	21'-4"	Cut to length & shape
"		1	18'-6"x4"	21'-4"	"

\* S25 to exact depth of 1 1/2"



## BRIDGE OVER SHOAL CREEK DRAINAGE DITCH

STATE ROAD FROM UTICA TO DAWN  
ABOUT 0.1 MILE SOUTH OF DAWN STATION  
PROJECT NO. SC-S2 STA. 193+99.50

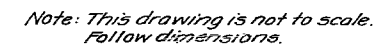
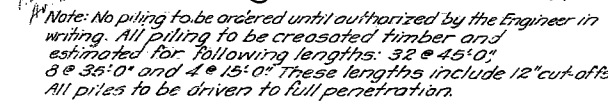
LIVINGSTON COUNTY

S-639

Drawn Nov. 1932 By H.D.  
Traced Nov. 1932 By H.W.H.  
Checked Nov. 1932 By L.H.

Sheet No. 2 of 4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MO.	5C-52	19		



**GENERAL NOTES:**

B.M. Elev. 695.73 Spike in East side of telephone pole 28' Lt. Sta. 193+75.



Note: Bridge excavation will be allowed for bents within horizontal limits shown and noted on details.  
This excavation will be allowed to bottom of 6' x 6' backing supports on end bents and to Elev. 688.0 for interior bents.

Note: See Special Provisions in regard to permissible substitutions of beams and basis of payment.

Drawn Nov. 1932 by H.D.  
Traced Nov. 1932 by G.W.  
Checked Nov. 1932 by L.H.