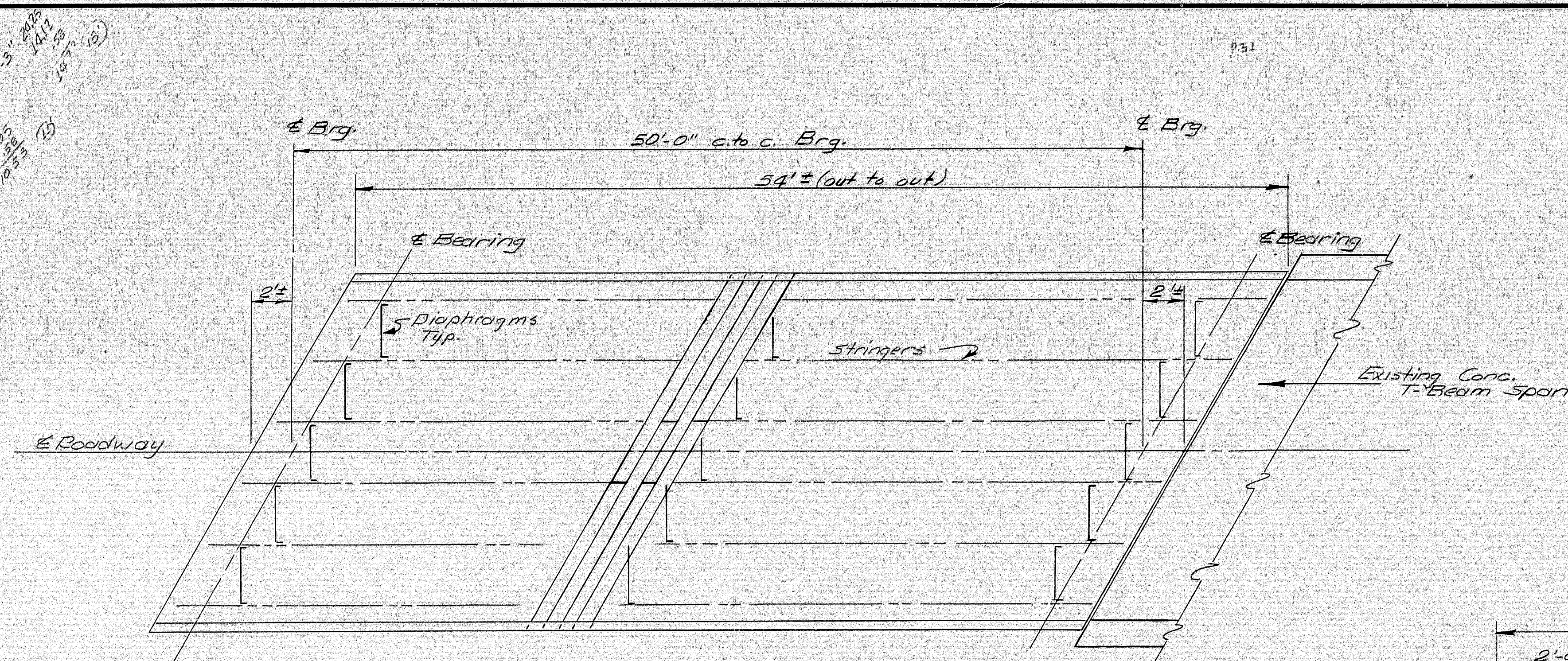
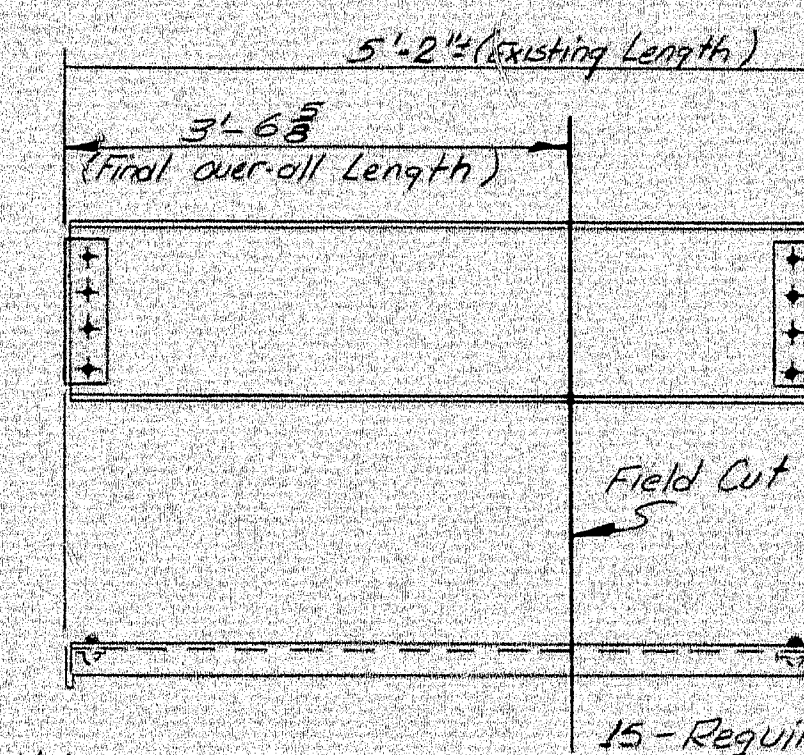


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PLAN

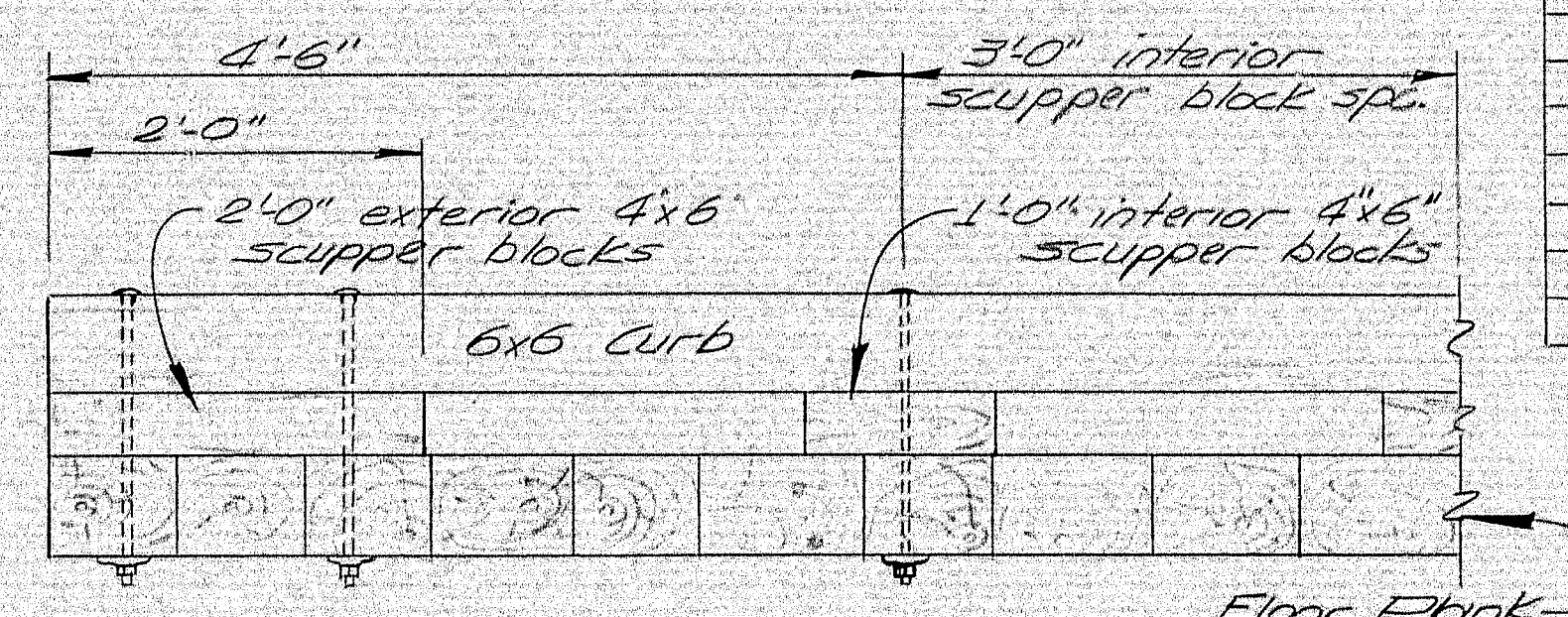
Note: Locate diaphragms at $\frac{1}{2}$ of Bearing and mid span. Exact location to be determined in the field.



Notes:

1. Remove rivts at one end of existing diaphragm connection to angle and remake angle.
2. Cut necessary length off diaphragm and redrill holes to give indicated final over-all length
3. Replace rivts with equal size bolts or weld all around.
4. Existing diaphragms are stored at the Washington Storeyard in Division 5

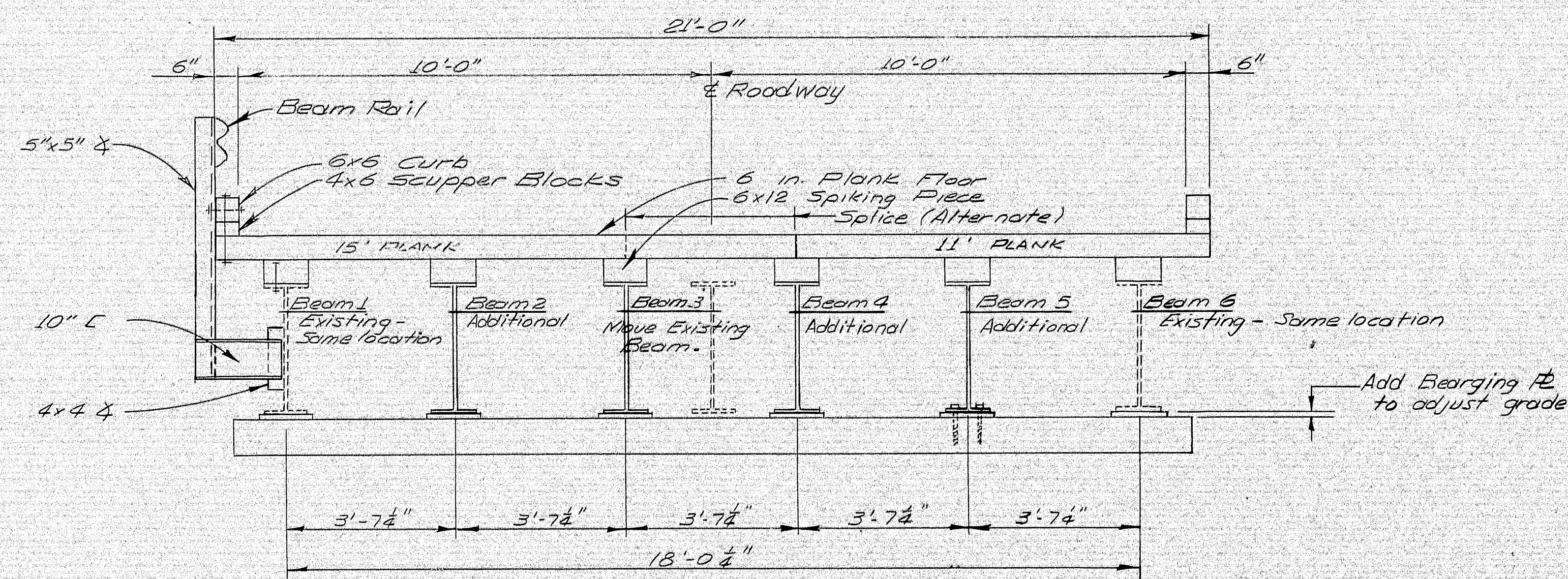
DIAPHRAGM DETAIL



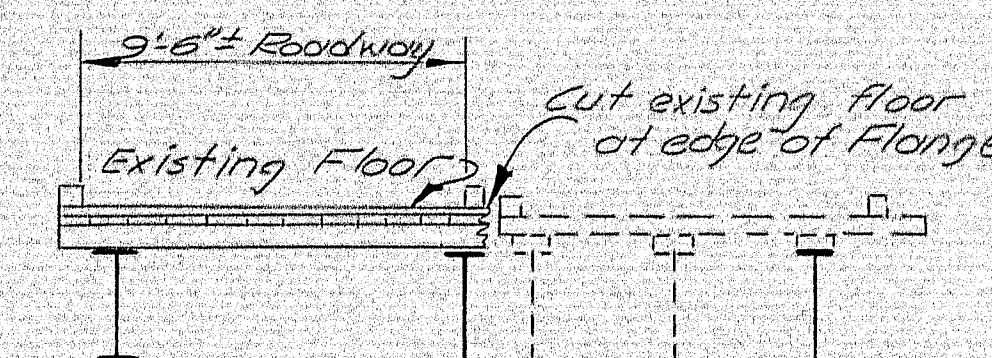
NOTE: Modification of spacing may be made to match bridge length.

CURB & SCUPPER BLOCK

DETAIL

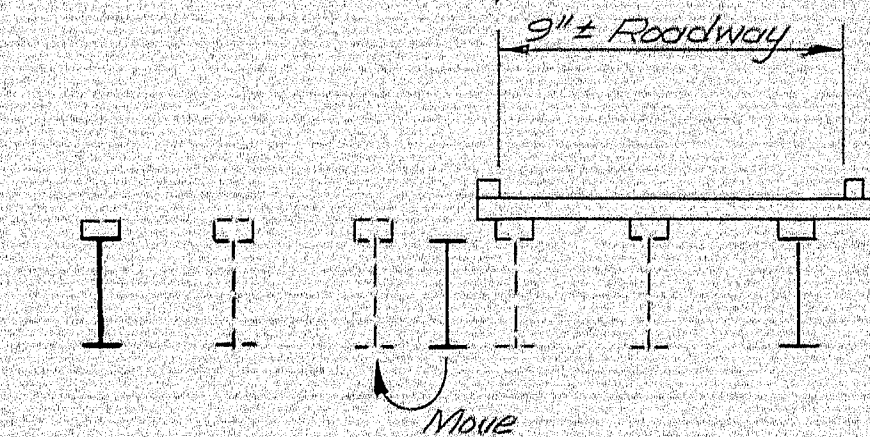


TRANSVERSE SECTION



PHASE 1

Maintain Traffic on Left Place Additional Stringers and bolt on spiking piece. Use 11' plank for temp. bridge plank. Install temp. curb & rail.



PHASE 2

Maintain Traffic on Right Place Additional Stringer and bolt on spiking piece. Remove temp. plank at same time as placing final floor.

MAINTENANCE OF TRAFFIC DETAIL

NOTE: Modification of the above may be made to best suit method of work.

- TIMBER SCHEDULE -				
QUANT.	SIZE	LENGTH	DRESS	DESCRIPTION
5100 b.f.	6x8 *	15 ft.	151E	Floor Plank
3740 b.f.	6x8 *	11 ft.	151E	Floor Plank
2400 b.f.	6x12	RANDOM	151E	Spiking Pieces
100 b.f.	4x6	RANDOM	D4S	Scupper Blocks
10 pcs.	6x6	12 ft.	D4S	Curbs

* NOTE May be 6x8 and wider. However, equal number of 15 ft and 11 ft. lengths must be furnished for each width.

- HARDWARE SCHEDULE -				
No.	SIZE	KIND	LENGTH	LOCATION
90	$\frac{5}{8}$ " ϕ	Carriage	8"	Plain Spiking Piece
50	$\frac{5}{8}$ " ϕ	Carriage	18"	Cast Curb
25	$\frac{5}{8}$ " ϕ	Carriage	7 $\frac{1}{2}$ "	Plain Railing
25	$\frac{3}{4}$ " ϕ	Log	9"	Plain Bearing

GENERAL NOTES

1. Bolt spiking piece to flange with $\frac{5}{8}$ " ϕ bolts. Bolts to be not more than 4 ft. apart and not more than 18 in. from ends of spiking piece.
2. Spike floor to spiking piece with 11 in. galv. bridge spikes.
3. Beams 4, 5 are available at Scarborough Maint. Lot. These beams do not require cutting. Beam 2 is at the Ellsworth Maint. Lot. This beam was originally part of the Union Mills Bridge and will require cutting. Final length of beams will be about 54 ft.
4. Adjust grade such that finish grade of new floor will equal finish grade of concrete span.
5. Anchor Beams to existing wood bearing with $\frac{3}{4}$ x 9" log skewers. Slot holes ($\frac{3}{8}$ x $2\frac{1}{2}$ ") in one end of beams.

DESIGN- TRACE- CHECK-	E. BARNARD E. BARNARD E. BARNARD	BRIDGE NO. 2587 SURVEY- PLOT-
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
MORT BRIDGE OVER SWIFT RIVER IN THE TOWN OF BYRON OXFORD COUNTY SUPERSTRUCTURE		
SHEET 1 OF 1		AUGUSTA, MAINE Nov. 1967

Revised 3-18-68 - Diaphragms

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