



END VIEW

NOTES

- TREAT HOLES WITH HOT CREOSOTE AFTER RODS IN PLACE, POUR IN HOT TAR.
- FASTEN DECKING WITH 5 SPIKES PER PLANK
- PLACE ASPHALT ROOFING FELT OVER STRINGERS 10\"/>

DESIGNED FOR 5 FT. OF SNOW
LIVE LOAD-SNOW--350 LBS. PER
LINEAL FT. OF BRIDGE

FIG. 38

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION 6
DOUBLE LOG GIRDER BRIDGE
50 TO 90 FT. SPAN
6 FT. ROADWAY
HORSE TRAIL

	50 SPAN	55 SPAN	60 SPAN	65 SPAN	70 SPAN	75 SPAN	80 SPAN	85 SPAN	90 SPAN	
NUMBER PANELS	4	4	5	5	5	6	6	7	7	
PANEL LENGTH-P	12'-6"	13'-9"	12'-0"	13'-0"	14'-0"	12'-6"	13'-4"	12'-2"	12'-10"	
INITIAL CAMBER	9"	9"	10"	10"	10"	11"	12"	12"	12"	
GIRDERS-MIN DIA	4 10"	4 10"	4 11"	4 11"	4 11"	4 11"	4 11"	4 11"	4 11"	
STRINGERS	12 8"	12 8"	15 8"	15 8"	15 8"	18 8"	18 8"	21 8"	21 8"	
FLOORBEAM-2x10A	2 10"	2 10"	2 10"	2 10"	2 10"	2 10"	2 10"	2 10"	2 10"	
DECKING-1x12	2 12"	2 12"	2 12"	2 12"	2 12"	2 12"	2 12"	2 12"	2 12"	
RAILING	1 14"	1 14"	2 14"	2 14"	2 14"	2 14"	2 14"	2 14"	2 14"	
SHEARBLOCK*	12 13"	4 12"	13 4"	12 13"	4 12"	13 4"	12 13"	4 12"	13 4"	
GUARD RAIL	6 110"	6 120"	6 130"	6 140"	6 150"	6 160"	6 170"	6 180"	6 190"	
RAILING & POSTS	4 400"	4 430"	4 470"	4 490"	4 510"	4 530"	4 580"	4 610"	4 640"	
DECKING-3"x12"	18	18	19	18	21	18	23	18	24	
TAR	25 POUNDS									
KEYS	EXTRA HEAVY GALVANIZED IRON PIPE-3" DIA. 9' LONG 32 REQUIRED									
RODS-BY LENGTH	26 1'	4-6 104 1'	4-6 28 1'	4-6 28 1'	4-6 118 1'	4-6 120 1'	4-6 130 1'	4-6 132 1'	4-6 132 1'	
KEY NUTS	26 1"	104 1"	28 1"	28 1"	118 1"	120 1"	130 1"	132 1"	132 1"	
WASHERS	56	50	56	56	56	56	56	56	56	
DRIFT BOLTS	23	23	26	26	26	29	29	32	32	
MACHINE BOLTS	20	22	24	24	26	28	30	32	34	
SPIKES	325	350	375	425	450	475	500	525	550	
NAILS	20#	20#	25#	25#	25#	30#	30#	35#	35#	
ROOFING FELT	3 SQUARES					4 SQUARES				