

TABLE XVI.

TABLE OF PINE LUMBER REQUIRED PER PANEL IN BRIDGES OF CLASS C  
(including waste material).

Flooring 3" thick ; hand-rail posts, 4"×6"×4' ; hand rail, two pieces, 2"×6" ; hub rails, 2"×12" ; and guard rails, 6"×6".

Panel Length.	Roadway, 12' clear.	No. of Joists.	Roadway, 14' clear.	No. of Joists.	Roadway, 16' clear.	No. of Joists.	Roadway, 18' clear.	No. of Joists.	Roadway, 20' clear.	No. of Joists.	Roadway, 22' clear.	No. of Joists.	Roadway, 24' clear.	No. of Joists.	Size of Joists.	No. Hand-rail Posts per panel.	Panel Length.
10'	691	7	776	8	861	9	946	10	1031	11	1116	12	1201	13	3" × 10"	2	10'
11'	806	7	902	8	998	9	1094	10	1190	11	1286	12	1382	13	3" × 10"	4	11'
12'	842	7	944	8	1046	9	1148	10	1250	11	1352	12	1454	13	3" × 10"	4	12'
13'	941	7	1054	8	1167	9	1280	10	1393	11	1504	12	1619	13	3" × 10"	4	13'
14'	1026	7	1152	8	1278	9	1404	10	1530	11	1656	12	1782	13	3" × 12"	4	14'
15'	1132	7	1270	8	1408	9	1546	10	1684	11	1822	12	1960	13	3" × 12"	4	15'
16'	1216	8	1360	9	1504	10	1648	11	1792	12	1984	14	2128	15	3" × 12"	4	16'
17'	1337	7	1502	8	1667	9	1832	10	1997	11	2162	12	2327	13	3" × 14"	4	17'
18'	1373	7	1544	8	1715	9	1886	10	2120	12	2291	13	2462	14	3" × 14"	4	18'
19'	1556	8	1740	9	1924	10	2178	12	2362	13	2546	14	2730	15	3" × 14"	4	19'
20'	1685	7	1899	8	2112	9	2325	10	2539	11	2752	12	2965	13	4" × 14"	4	20'
21'	1933	7	2117	8	2420	9	2663	10	2907	11	3150	12	3393	13	4" × 16"	6	21'
22'	1969	7	2219	8	2468	9	2717	10	2967	11	3216	12	3465	13	4" × 16"	6	22'
23'	2236	8	2502	9	2768	10	3034	11	3300	12	3566	13	3832	14	4" × 16"	6	23'
24'	2400	9	2672	10	2944	11	3344	13	3616	14	3888	15	4160	16	4" × 16"	6	24'