ive cht	sses ly			ROUGH PRA		55.		,	
Com- parative Weight	Trusses only	56	8	£	* \$		5.		G.
U_3L_2	13,400	18,500 , 49,900 16,000 3.1	51,500 109,700 16,000 6,9	38,400 96,600 16,000 6,0	31,400 62,800 16,000 3,9	31,400	9,000	55 13	31,400 10,000 29,000 5,2
$U_{i}L_{z_{i}}$	19,100	78,900 193,300 16,000 12.1	97,700 212,100 16,000 13.3	76,300 190,700 16,000	114,400 228,800 16,000 14.3	114,400	9,000	15.7	114,400 10,000 20,000 10.5
U,L.	57,200	121,200 341,600 16,000	121,200 341,600 16,000 21.4	122,400 342,800 16,000 21.4	141,100 361,500 16,000	()()† ()((10,800	4.05	220,400 10,000 20,000
L, U.	10,000 -	27,700 73,000 8,100 9.0	8,100 8,100 10.7	30,300 75,600 8,100	27,500 72,800 8,100 9.0	45,300	6,500	0.7	5,400 10,800 7.5
.L.U. 1	25,000 + 75,000 +	36,000 + 156,000 + 8,100 19.3	76,900 + 176,900 + 8,100 21.9	80,000 + 160,000 + 8,100 + 19.8	81,000 181,000 8,100 1,55,3	89,300 + 100,000 +	5,350	18.7	100,000 + 5,400 10,800 16.2
L_1U_1	20,000 + 69,300 +	53,600 + 142,900 + 16,000 8.9	79,760 + 169,600 + 16,600 10.6	29,400 + 148,700 + 16,000 + 9.3	34,300 + 143,600 + 16,000	+ 99,300 +	11,000	ž	89,300 + 10,000 20,000
$L_{\mathfrak{o}}U_{\mathfrak{1}}$	95,100 -	518,000	177,200 578,000 40.4	163,800 504,600	517,300	340,800	:	X. X.	340,800
$U_x U_z$	93,800 + 93,800 + 105,500 + 95,100 232,600 + 232,600 + 245,700	166,500 + 166,500 + 184,500 + 177,200 492,900 + 492,900 + 533,400 + 518,000 16,000 14,600 14,600 30.8 33,8 37,9 40,4	166,500 + 166,500 + 184,500 + 177,200 492,900 + 492,000 + 553,400 + 578,000 14,600 - 14,600 - 14,600 33,8 - 37,9 - 40,4	155,100 + 155,100 + 175,000 + 163,800 181,500 + 481,500 + 544,500 + 504,600 16,000 + 14,600 + 14,000 30,1 - 33,0 - 37,3 - 39,6	164,500 + 164,500 + 185,500 + 176,500 190,900 + 490,900 + 554,800 + 517,300 16,600 - 14,600 14,600 38,0 40,4	326,400 + 326,400 + 368,900 + 340,800	9 × 6	37.6	326,400 + 326,400 + 368,900 + 340,800 10,000 9,100 9,100 20,000 18,200 18,200 28,0 38,7 41,4
U, U,	93,800	166,500 + 492,900 14,600 33.8	+ 492,500 + 492,500 14,600 33.8	155,100 + 155,100 + 481,500 + 481,500 - 16,000 14,600 30.1 33.0	164,500 + 164,500 + 490,900 + 490,900 + 16,000 14,600 30.7 33.6	- 326,400 +	9,800	33.3	9,100 18,200 30.7
$L_2 L_3$	93,800 +	- 166,500 + - 492,900 + 16,000	192,500 + 192,900 + 14,600 33.8	155,100 + 481,500 + 16,000 30,1	164,500 + 490,900 + 16,000	326,400	11,600	28.1	326,400 10,000 20,000
L_0 L_z	58,600	318,900 16,000 19.9	109,100 318,900 16,000 19.9	310,800 310,600 16,000 19.4	318,500 16,000 19,9	209,800	11,500	18.3	209,800 10,000 20,000
Stress	Dead Load.	Impact Total Unit	Impact Total Unit	Impact Total Unit	Impact Total Unit	Total	Unit	Area reqd	Total
SPECIFICATION	Dom. Gov. 1905, Cl. 1.	Dom. Gov. 1901 $I = \frac{L^2}{D + L}$	Dom. Gov., 1905 $I = \frac{L^2}{D + L} > 80 \text{ ft.}$ $I = \left(1.40 - \frac{S}{200}\right) L < 80 \text{ ft.}$	Canadian Pacific Railway and American Bridge Company $I = \begin{pmatrix} 300 \\ S+300 \end{pmatrix} L$	Pennsylvania Railway	F. H. Lewis, C.E., in Johnson's "Framed Structures,"	9,000 (1+min.) Tension Unit	8,400(1+min.) Com-	Cooper, 1901