

	Live Load Type	Method	INVENTORY		OPERATING		Location		Location			
			Rating (Tons)	Factor	Rating (Tons)	Factor	(FT)	(%)	(FT)	(%)		
HS 20-44	Axle Load	LFD	43.85	73.22	1.218	2.034	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
HS 20-44	Axle Load	LFD	52.87	88.29	1.469	2.452	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
HS 20-44	Axle Load	LFD	33.28	55.58	0.924	1.544	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
HS 20-44	Axle Load	LFD	40.13	67.02	1.115	1.862	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
HS 20-44	Lane	LFD	34.05	52.65	0.946	1.463	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Single Lane
HS 20-44	Lane	LFD	41.06	63.49	1.141	1.764	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Single Lane
HS 20-44	Lane	LFD	25.85	39.97	0.718	1.11	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Multi-Lane
HS 20-44	Lane	LFD	31.17	48.19	0.866	1.339	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Multi-Lane
Type 3	Axle Load	LFD	42.02	70.18	1.681	2.807	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
Type 3	Axle Load	LFD	50.67	84.61	2.027	3.385	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
Type 3	Axle Load	LFD	31.90	53.27	1.276	2.131	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
Type 3	Axle Load	LFD	38.46	64.23	1.538	2.569	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
Type 3-3	Axle Load	LFD	54.73	84.62	1.368	2.115	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Single Lane
Type 3-3	Axle Load	LFD	65.99	102.03	1.650	2.551	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Single Lane
Type 3-3	Axle Load	LFD	41.54	64.23	1.039	1.606	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Multi-Lane
Type 3-3	Axle Load	LFD	50.09	77.45	1.252	1.936	204	2 - (100.0)	204	2 - (100.0)	BEARING STIFFENERS	Multi-Lane
Type 3S2	Axle Load	LFD	50.36	82.73	1.399	2.298	145	2 - (50.0)	204	2 - (100.0)	FLEXURAL - STEEL STRENGTH	Single Lane
Type 3S2	Axle Load	LFD	60.73	99.75	1.687	2.771	145	2 - (50.0)	204	2 - (100.0)	FLEXURAL - STEEL STRENGTH	Single Lane
Type 3S2	Axle Load	LFD	38.23	62.79	1.062	1.744	145	2 - (50.0)	204	2 - (100.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
Type 3S2	Axle Load	LFD	46.10	75.72	1.280	2.103	145	2 - (50.0)	204	2 - (100.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
NRL	Axle Load	LFD		71.31	1.783				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
NRL	Axle Load	LFD		85.99	2.150				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
NRL	Axle Load	LFD		54.13	1.353				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
NRL	Axle Load	LFD		65.27	1.632				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU4	Axle Load	LFD		68.28	2.529				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU4	Axle Load	LFD		82.33	3.049				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU4	Axle Load	LFD		51.83	1.920				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU4	Axle Load	LFD		62.49	2.315				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU5	Axle Load	LFD		69.95	2.256				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU5	Axle Load	LFD		84.34	2.721				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU5	Axle Load	LFD		53.10	1.713				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU5	Axle Load	LFD		64.02	2.065				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU6	Axle Load	LFD		70.35	2.024				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU6	Axle Load	LFD		84.82	2.441				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU6	Axle Load	LFD		53.40	1.537				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU6	Axle Load	LFD		64.39	1.853				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU7	Axle Load	LFD		71.88	1.855				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU7	Axle Load	LFD		86.67	2.237				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
SU7	Axle Load	LFD		54.56	1.408				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
SU7	Axle Load	LFD		65.79	1.698				145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
EV2	Axle Load	LFD	41.60	69.46	1.447	2.416	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
EV2	Axle Load	LFD	50.15	83.76	1.745	2.913	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
EV2	Axle Load	LFD	31.57	52.73	1.098	1.834	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
EV2	Axle Load	LFD	38.07	63.58	1.324	2.211	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
EV3	Axle Load	LFD	41.09	68.62	0.956	1.596	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
EV3	Axle Load	LFD	49.55	82.74	1.152	1.924	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Single Lane
EV3	Axle Load	LFD	31.19	52.09	0.725	1.211	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane
EV3	Axle Load	LFD	37.61	62.81	0.875	1.461	145	2 - (50.0)	145	2 - (50.0)	FLEXURAL - STEEL STRENGTH	Multi-Lane

Item 63 & 65 = 1

Operating Rating = HS 30.9 Item 64 = 255 HS20 controls

Inventory Rating = HS 18.5 Item 64 = 233

Item 70 = 5
Item 31 = A

EV Ratings
Single 69.5 tons
Double 68.6 tons

OR 55.58
IR 33.28
EV2 69.46
EV3 68.62
Type 1 inv 42.02
Type 2 Inv 54.73
Type 3 inv 50.36
Type 1 OP 70.18
Type 2 OP 84.62
Type 3 OP 82.73
SU4 68.28
SU5 69.95
SU6 70.35
SU7 71.88
NRL 71.31