

APPENDIX B

*BRANCH II AQUEDUCT AND FORT
GARRY-ST. VITAL FEEDERMAIN
LOADING LIMITATIONS AND
CALCULATED LOADS
ASSOCIATED WITH TYPICAL
CONSTRUCTION EQUIPMENT FOR
CONSTRUCTION CROSSINGS
IDENTIFIED ON THE PROJECT*

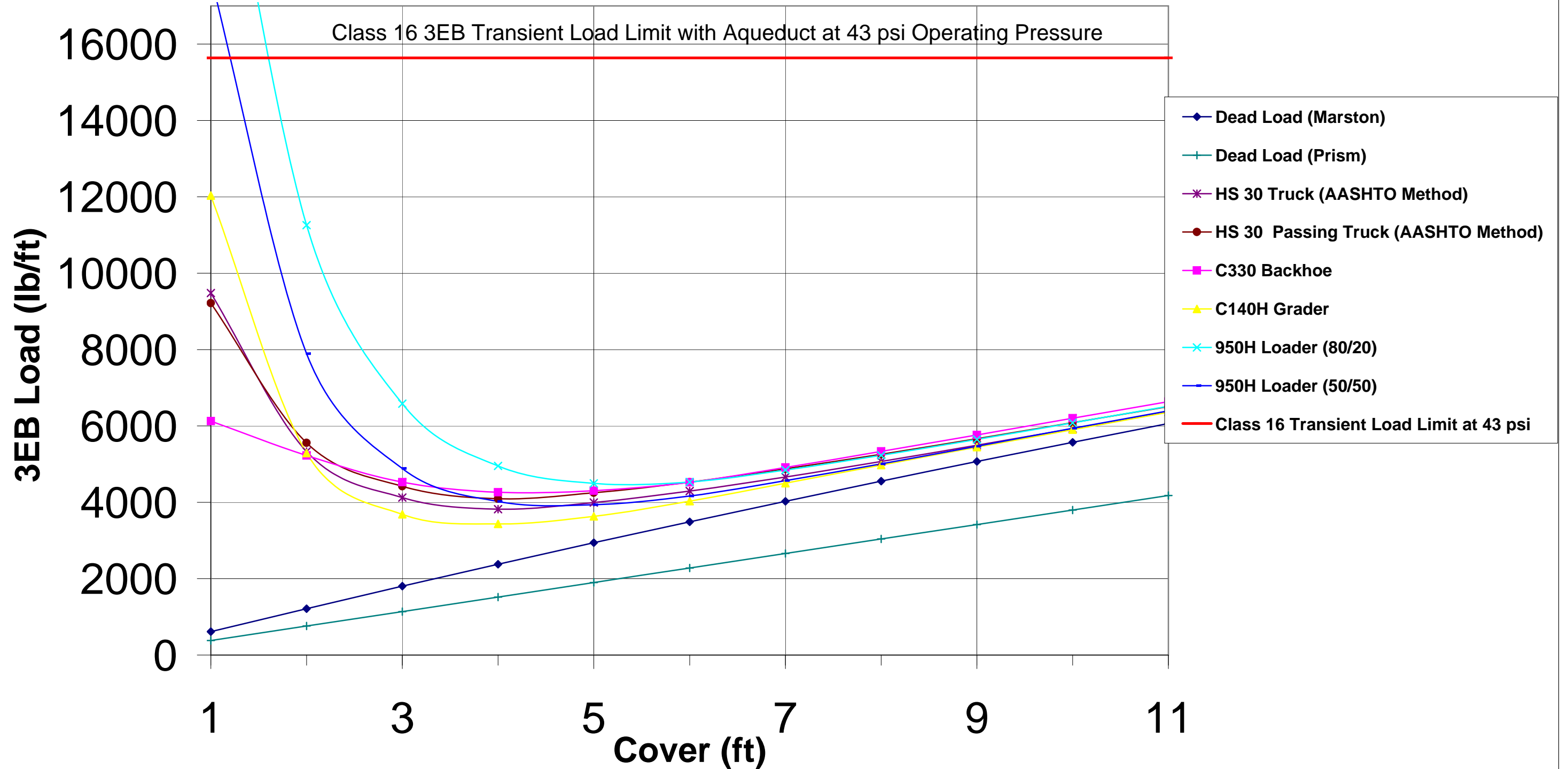
Table 1: Information Summary

Fort Garry St.Vital Feedermain

Point Number	Station	Pipe Class (Year of Manufacture)	Existing Surface Elevation	Design Surface Elevation	Sub-Cut Elevation	Pipe Size	Pipe Wall	Pipe Invert (Records)	Top Of Pipe (records)	Ex Cover	Final Proposed Cover	Estimated Min. Cover During Construction
			(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
15	3+66	30(88)	232.91	232.66	231.85	0.600	0.068	227.69	228.36	4.55	4.30	3.50
16	3+66	30(88)	232.96	232.87	232.07	0.600	0.068	227.69	228.36	4.60	4.52	3.71
17	4+71	16(77)	234.00	234.06		0.600	0.068	227.99	228.66	5.35	5.40	5.40
18	4+74	16(77)	234.06	234.12		0.600	0.068	227.99	228.66	5.40	5.46	5.46
19	4+78	16(77)	234.14	234.20	233.40	0.600	0.068	227.99	228.66	5.48	5.54	4.74
22	9+47	14(77)	232.49	232.43	231.62	0.600	0.068	228.53	229.20	3.29	3.23	2.42
23	9+47	14(77)	232.61	232.50	231.70	0.600	0.068	228.53	229.20	3.41	3.30	2.50
21	9+47	14(77)	232.21	232.28	231.47	0.600	0.068	228.53	229.20	3.01	3.08	2.28
20	9+47	14(77)	232.01	232.18	231.60	0.600	0.068	228.53	229.20	2.81	2.98	2.40
24	9+70	NA(60)	231.97	232.03	231.23	0.600	0.068	228.60	229.27	2.71	2.76	1.96
25	10+34	NA(60)	231.90	231.75	230.95	0.600	0.068	228.72	229.39	2.51	2.36	1.56
26	11+00	NA(60)	231.44	231.48	230.90	0.600	0.068	228.79	229.46	1.98	2.02	1.44
27	11+50	NA(60)	231.05	231.65	231.07	0.600	0.068	228.86	229.53	1.52	2.12	1.54
28	12+00	NA(60)	231.42	231.74		0.600	0.068	228.93	229.60	1.82	2.14	2.14
29	12+50	NA(60)	231.51	231.70		0.600	0.068	229.00	229.67	1.84	2.03	2.03
30	13+00	NA(60)	232.03	231.93		0.600	0.068	229.00	229.67	2.36	2.26	2.26
31	13+50	NA(60)	232.54	232.04		0.600	0.068	228.95	229.62	2.92	2.43	2.43
32	14+00	NA(60)	231.86	231.82		0.600	0.068	228.89	229.56	2.31	2.26	2.26
33	14+50	NA(60)	231.34	231.59		0.600	0.068	228.83	229.50	1.84	2.09	2.09
34	15+00	NA(60)	231.32	231.40		0.600	0.068	228.77	229.44	1.89	1.96	1.96
35	15+50	NA(60)	230.94	231.23		0.600	0.068	228.71	229.38	1.56	1.86	1.86
36	16+00	NA(60)	231.05	231.44		0.600	0.068	228.66	229.33	1.72	2.12	2.12
37	16+50	NA(60)	231.36	231.45		0.600	0.068	228.60	229.27	2.09	2.18	2.18
38	16+98	NA(60)	231.70	231.53		0.600	0.068	228.54	229.21	2.49	2.32	2.32

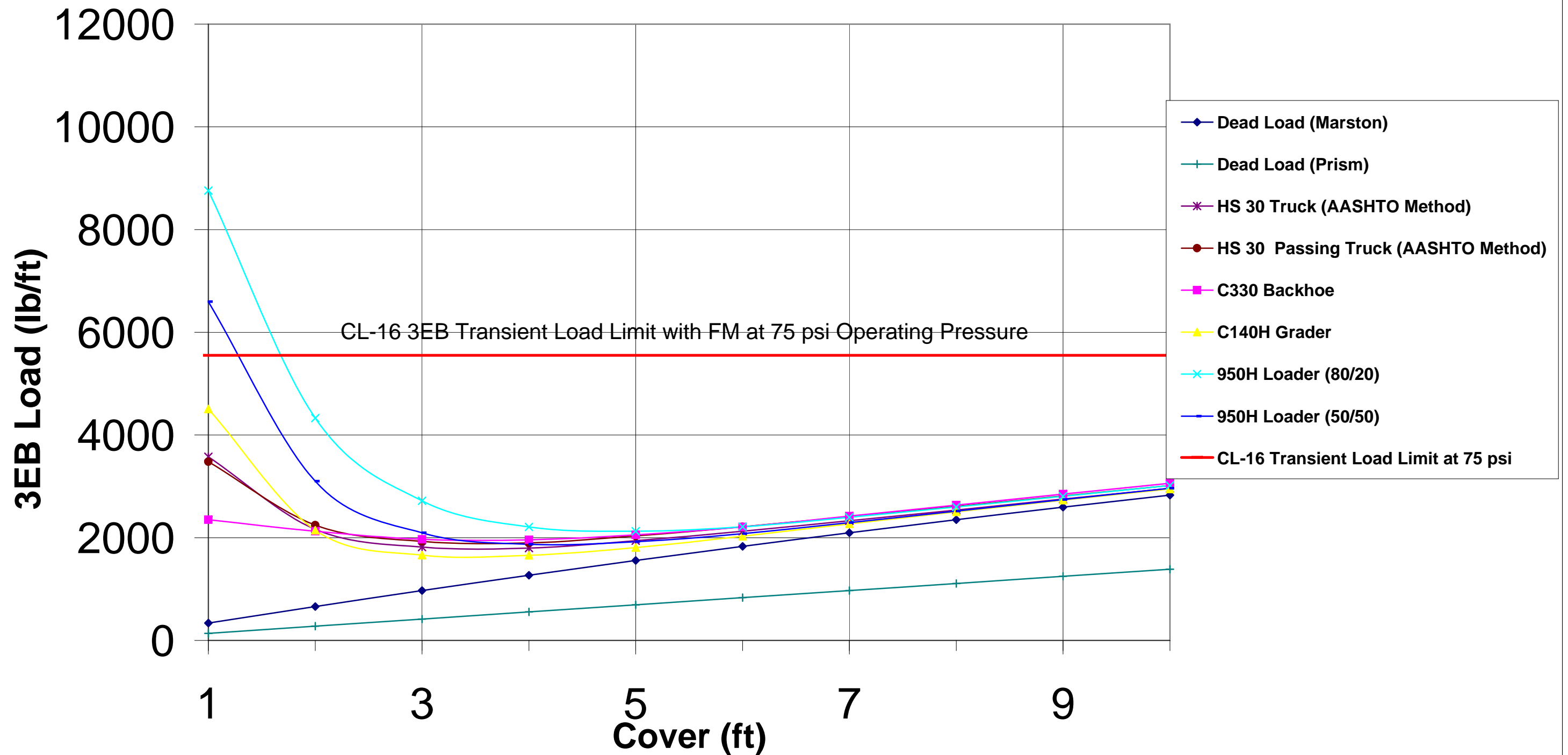
Refer to Dwg SKT-C0009 for locations

66" (1650mm) Class 16 Aqueduct Crossing 4a/b 3EB Load vs Cover with Live Loading

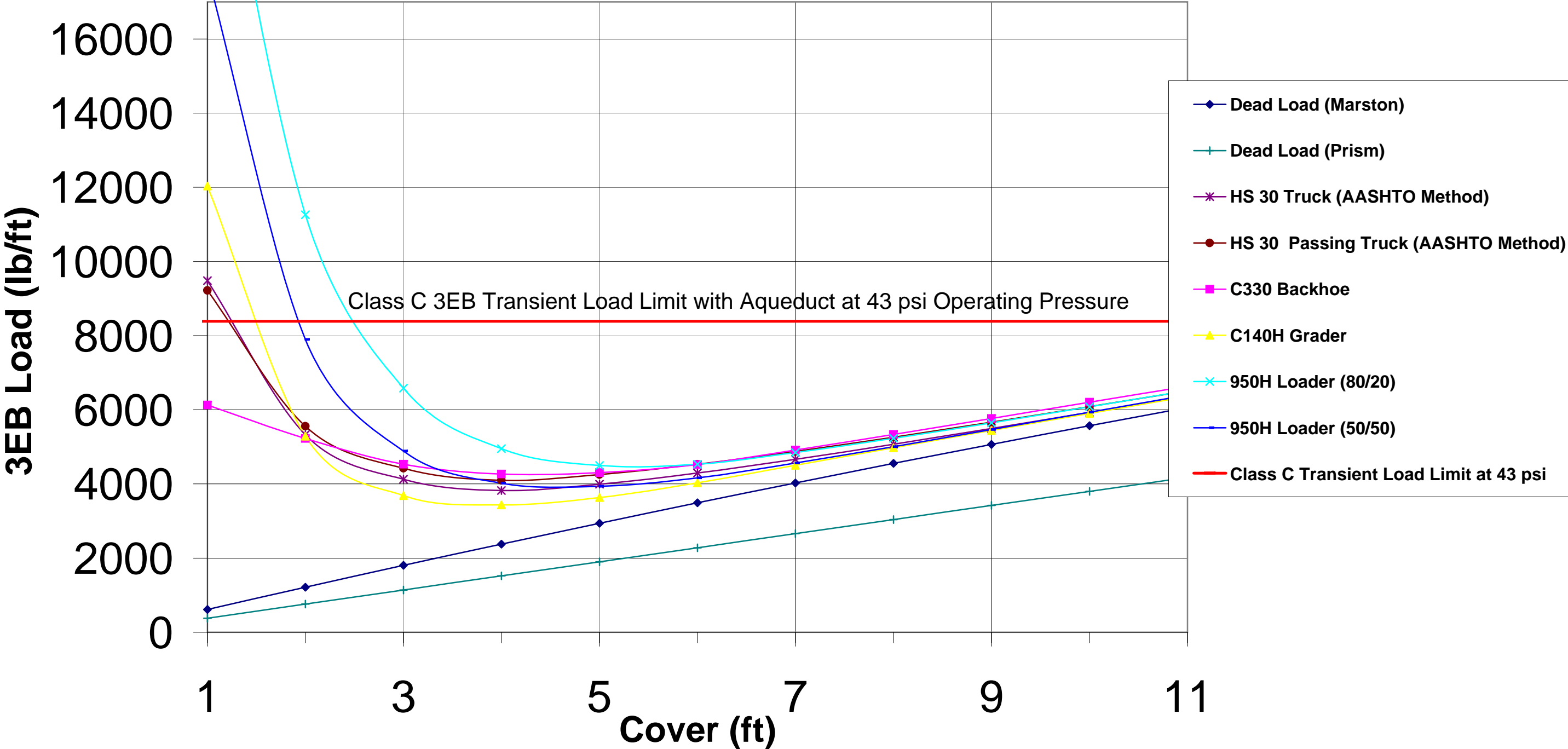


24" (600mm) CL-16 FM Crossing 2, 5, 7a/b

3EB Load vs Cover with Live Loading

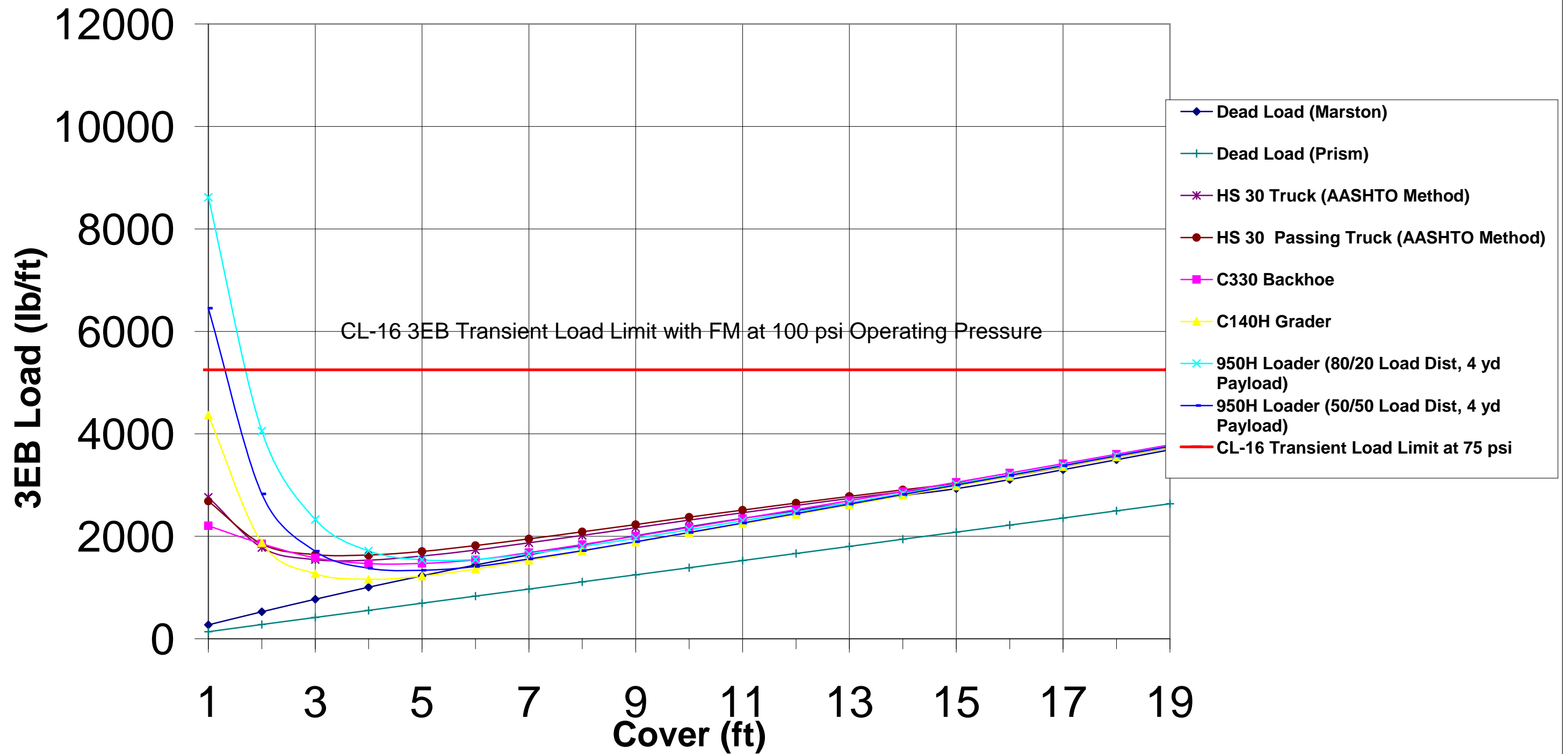


66" (1650mm) Class C Aqueduct Crossing 3, 9a/b 3EB Load vs Cover with Live Loading



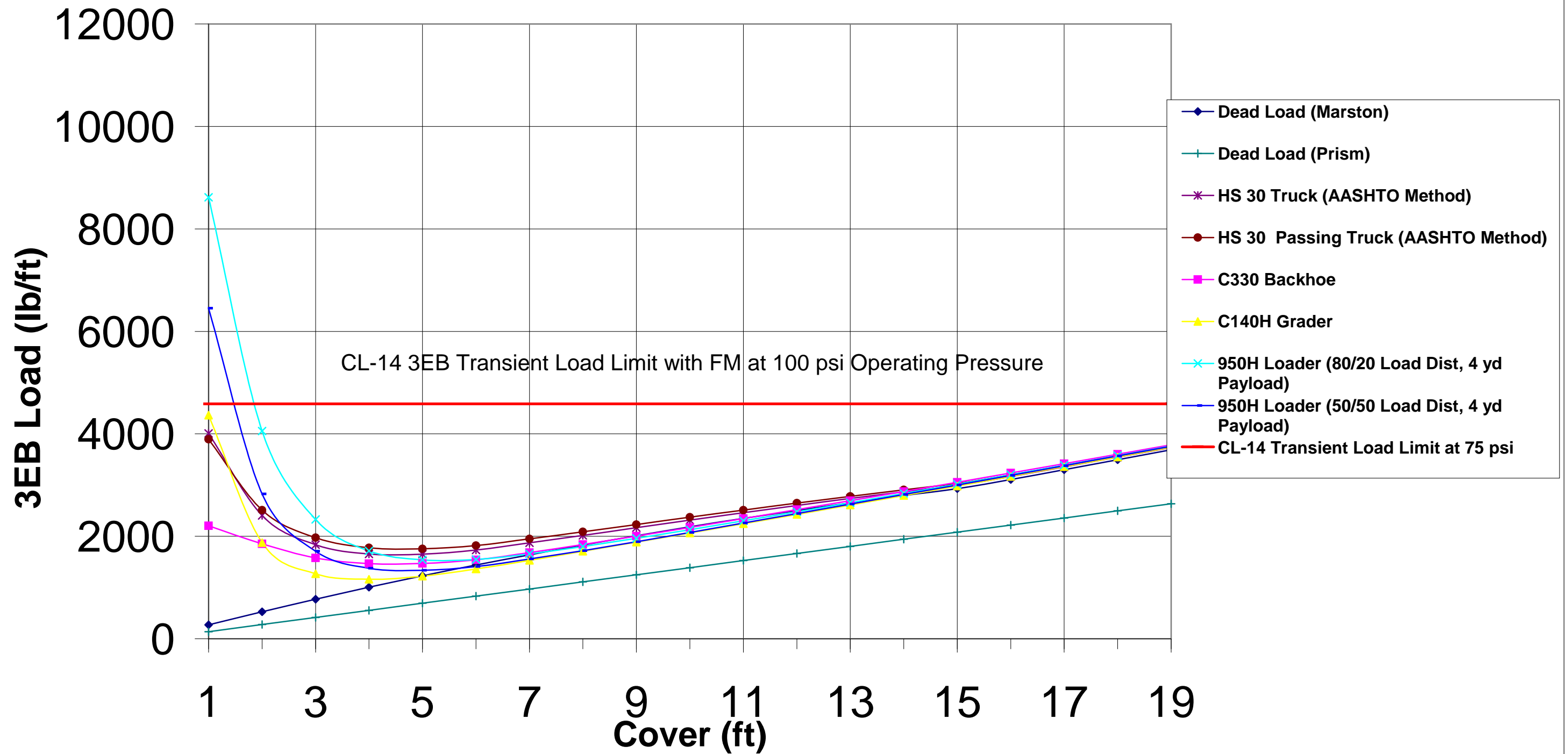
1977 - 24" (600mm) Class 16 FGSV Feedermain

3EB Load vs Cover with Live Loading



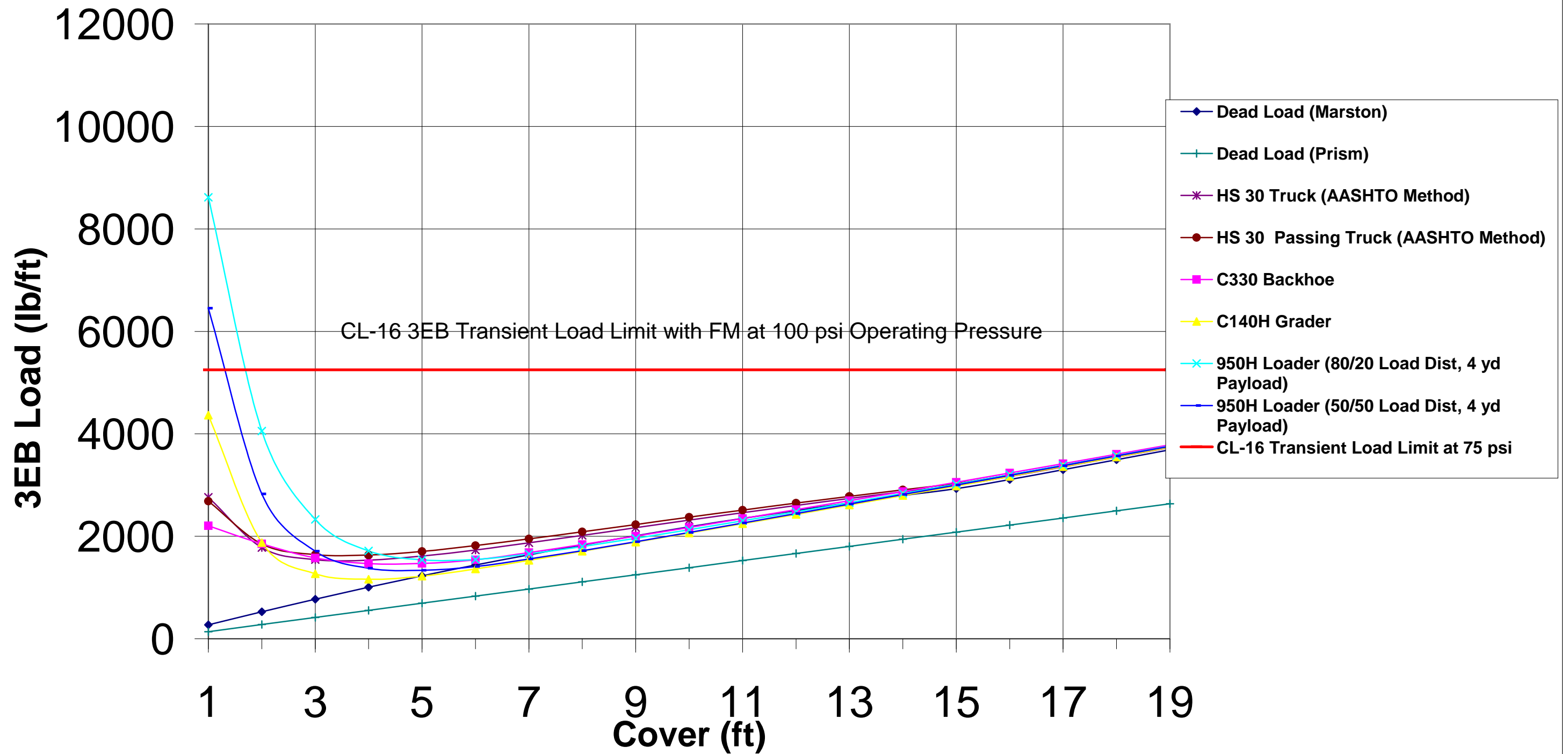
1977 - 24" (600mm) Class 14 FGSV Feedermain

3EB Load vs Cover with Live Loading



1977 - 24" (600mm) Class 16 FGSV Feedermain

3EB Load vs Cover with Live Loading



1988 - 24" (600mm) Class 30 FGSV Feedermain

3EB Load vs Cover with Live Loading

