



GeniE V7.9-04

Report:
015800BZCZ00001_PRDE

Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
12/08/2019

1 Beams Check – Medium Consequence Factor : Frame Code Check

Description : Capacity Manager

1.1 ver_med_new.run(1) : Frame Code Check

Description : AISC Load and Resistance Factor Design 2005

General options

Code	AISC LRFD 15th
Resistance Factor Tension	0.9
Resistance Factor Compression	0.9
Resistance Factor Bending	0.9
Resistance Factor Shear	0.9
Resistance Factor Torsion	0.9
Use Chapter F12.1	false
Exclude torsion	false
Purge position results	false

1.1.1 ver_med_new.run(1) : Member Result Full

1.1.1.1 ver_med_new.run(1) : Aisc Member Result

ver_med_new.run(1) : Aisc Member Result

- Sorted by Member (Ascending)
- Then sorted by LoadCase (Ascending)

- Run : ver_med_new.run(1)
- Worst LoadCase per Member
- Selected SubCheck per Member
- Worst Position along Member

Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	ufH1	ufH1ax	ufH1mo	ufH2	ufH2ax	ufH2mo	ufH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	Mcz	J
	Cw	frnw	frvw						
Bm1	LC2_MC_125	0.0	0.75	OK	0.16	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.006	0.155	0.000	0.155	0.000	0.000	0.000	0.000	171.046
	42.7614	0	0.499793	0.0811189	0.536134	0	0	0.75001	275000
	2.1e+08	1.535	1.535	6.14	6.14	1	6.14	1	1
	0.0731907	2.92737	1.7318	0	0	1	1	8754.47	3420.85
	829.95	1	1	749.809	248446	635.922	210710	1	635.922
	210710	1.3753	0	0	1.74587	7.45439	45.0117	2	23.1487
	120.698	1	5.34	392.7	746.955	9.79854e-05	40.5105	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm5	LC2_MC_125	0.0	0.00	OK	0.77	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.774	0.318	0.257	0.061	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	1
	-178.308	0.885484	-1.58024	0	0	1.05832	1.17324	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.76933	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.257011	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						



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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	Mcz	J
	Cw	frnw	frvw						
Bm6	LC2_MC_125	0.0	0.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.045	0.087	0.023	0.065	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.210959
	46.6747	-3.75251	-0.0368276	0	0	1	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	2.20343	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	1032.57	0.0452025	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm7	LC5_MC_075	0.0	1.00	OK	0.77	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.770	0.316	0.256	0.061	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	1
	-177.413	0.77153	-1.62341	0	0	1.05801	1.17222	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.76284	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.255721	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm9	LC5_MC_075	0.0	1.00	OK	0.15	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.057	0.154	0.000	0.154	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.372572
	0.975865	-8.28738	-0.39577	0	0	1	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	3.04651	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	1032.57	0.000945084	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm10	LC5_MC_075	0.0	1.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.045	0.087	0.022	0.064	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.204377
	46.2571	-3.72313	-0.0353086	0	0	1	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	2.19934	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	1032.57	0.0447981	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm11	LC5_MC_075	0.0	0.00	OK	0.07	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.043	0.072	0.018	0.054	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.586123
	-25.1316	-3.17661	0.00284121	0	0	1.00783	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.58245	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.0362243	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm12	LC5_MC_075	0.0	0.00	OK	0.92	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.917	0.259	0.243	0.016	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	1
	-168.87	-0.861678	0.0920698	0	0	1.05507	1.16258	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.70712	0	0	1.7645	10.0688	65.6117	2	32.7308



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	ufShear	ufH1	ufH1ax	ufH1mo	ufH2	ufH2ax	ufH2mo	ufH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	Mcz	J
	Cw	frnw	frvw						
	161.7	1	5.34	554.4	693.778	0.243406	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm13	LC2_MC_125	0.0	1.00	OK	0.07	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.043	0.072	0.018	0.054	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.582338
	-25.0153	-3.17455	0.00365295	0	0	1.00779	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.58335	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.0360566	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm14	LC2_MC_125	0.0	1.00	OK	0.92	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.918	0.264	0.245	0.019	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	1
	-170.31	-0.970556	0.128929	0	0	1.05556	1.16419	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	1.70137	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.245482	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm15	LC2_MC_125	0.0	1.00	OK	0.10	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.041	0.095	0.019	0.077	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.380903
	-25.7941	-4.28368	0.120243	0	0	1.00804	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	3.05298	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.0371792	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm63	LC2_MC_125	0.0	0.00	OK	0.09	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.048	0.087	0.012	0.075	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	1e-05	275000
	2.1e+08	2	4	4	4	1	4	1	0.341875
	18.4804	-2.76662	0.165432	0	0	1	1	5156.87	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.37664	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.024741	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm64	LC5_MC_075	0.0	1.00	OK	0.21	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.064	0.210	0.054	0.156	0.000	0.000	0.000	0.000	110.254
	110.254	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	2	4	4	4	1	4	1	0.331864
	-57.2658	-8.8967	-0.156018	0	0	1.00757	1	7623.81	711.337
	1147.3	1	1	584.114	140008	1000.82	239889	1	584.114
	140008	2.33678	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	525.702	0.108932	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm67	LC2_MC_125	0.0	1.00	OK	0.12	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.059	0.125	0.002	0.122	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.99999	275000
	2.1e+08	2	4	4	4	1	4	1	0.567923
	3.52125	-4.81393	0.117237	0	0	1	1	5156.87	503.768



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Member	LoadCase	Phase	Position	Status	UFtot	Formula	GeomCheck	SubCheck	Run
	ufShear	ufH1	ufH1ax	ufH1mo	ufH2	ufH2ax	ufH2mo	ufH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.78476	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.00471414	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm68	LC2_MC_125	0.0	0.00	OK	0.34	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.127	0.342	0.036	0.306	0.000	0.000	0.000	0.000	110.254
	55.1269	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	2	2	4	4	1	4	1	1
	-62.3973	-16.9848	-0.533658	0	0	1.00825	1.02242	7623.81	2845.35
	1147.3	1	1	969.13	232294	1000.82	239889	1	969.13
	232294	1.88279	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	872.217	0.0715387	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm71	LC5_MC_075	0.0	0.00	OK	0.16	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.012	0.161	0.036	0.125	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.362515	0.336625
	-17.0027	2.48895	0.5245	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.19176	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.0721761	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm72	LC5_MC_075	0.0	0.00	OK	0.13	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.007	0.134	0.055	0.079	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.286538	0.36575
	-25.7972	1.33367	-0.456978	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.22887	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.109508	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm76	LC2_MC_125	0.0	0.52	OK	0.21	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.209	0.189	0.024	0.165	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.52499	275000
	2.1e+08	2	4	4	4	1	4	1	1
	-18.0089	-6.09721	0.363371	0	0	1.0035	1.03707	5156.87	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	2.17395	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	374.821	0.0480467	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm87	LC5_MC_075	0.0	0.67	OK	0.12	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.002	0.118	0.043	0.076	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.666667	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.614105
	110.096	5.69291	-0.359523	0	0	1	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	1.32765	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0850213	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm88	LC5_MC_075	0.0	0.00	OK	0.27	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.010	0.269	0.216	0.054	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000



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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.576463
	-147.019	-0.19386	2.42308	0	0	1.06116	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.8252	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.215665	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm89	LC5_MC_075	0.0	0.00	OK	0.08	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.034	0.081	0.008	0.073	0.000	0.000	0.000	0.000	88.692
	88.692	0	0.499646	0.0579882	0.482576	0	0	1e-05	275000
	2.1e+08	2.75862	2.75862	2.75862	2.75862	1	2.75862	1	0.221232
	-8.11152	-2.85581	0.0194116	0	0	1.00357	1	2281.76	863.43
	901.175	1	1	582.222	177669	805.925	245934	1	582.222
	177669	2.68248	0	0	1.51274	9.3273	43.8588	2	22.0647
	128.7	1	5.34	435.6	524	0.01548	39.4729	19.8582	1.15451e-07
	9.41641e-09	0	0						
Bm90	LC2_MC_125	0.0	1.00	OK	0.06	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.031	0.065	0.002	0.063	0.000	0.000	0.000	0.000	88.692
	88.692	0	0.499646	0.0579882	0.482576	0	0	0.99999	275000
	2.1e+08	2.75862	2.75862	2.75862	2.75862	1	2.75862	1	0.405532
	-1.64828	-2.47063	0.0124521	0	0	1.00072	1	2281.76	863.43
	901.175	1	1	582.222	177669	805.925	245934	1	582.222
	177669	3.43741	0	0	1.51274	9.3273	43.8588	2	22.0647
	128.7	1	5.34	435.6	524	0.00314557	39.4729	19.8582	1.15451e-07
	9.41641e-09	0	0						
Bm91	LC2_MC_125	0.0	1.00	OK	0.35	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.040	0.352	0.212	0.140	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.592999
	-144.632	-13.2666	0.0170775	0	0	1.0601	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.80341	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.212164	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm92	LC2_MC_125	0.0	0.50	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.001	0.124	0.038	0.087	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.587289
	97.4039	6.18585	0.571042	0	0	1	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	1.15991	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.07522	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm93	LC2_MC_125	0.0	0.25	OK	0.10	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.101	0.031	0.070	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.25	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.588444
	-42.4726	2.73319	-1.56021	0	0	1.01693	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.13473	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.062304	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm94	LC5_MC_075	0.0	1.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)



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Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UFtot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	0.030	0.089	0.022	0.067	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.597553
	-29.5352	-5.69381	-0.00550663	0	0	1.01171	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.10671	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.0433259	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm95	LC5_MC_075	0.0	0.00	OK	0.10	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.041	0.096	0.019	0.077	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.382035
	-25.9132	-4.29574	0.122974	0	0	1.00807	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	3.0559	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	693.778	0.0373509	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm96	LC2_MC_125	0.0	0.00	OK	0.15	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.057	0.154	0.000	0.154	0.000	0.000	0.000	0.000	84.6199
	84.6199	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	3.07	3.07	3.07	3.07	1	3.07	1	0.37161
	0.653912	-8.30081	-0.389969	0	0	1	1	3235.6	1207.59
	1147.3	1	1	770.864	184771	1015.5	243409	1	770.864
	184771	3.04433	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	1032.57	0.000633285	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm107	LC2_MC_125	0.0	0.50	OK	0.14	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.002	0.143	0.019	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	0.600004
	-25.0532	10.4971	-3.72976e-14	0	0	1.01012	1	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0372231	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm108	LC5_MC_075	0.0	0.50	OK	0.14	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.142	0.018	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	1
	-24.288	10.4939	0	0	0	1.00981	1.02711	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0360861	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm109	LC2_MC_125	0.0	0.50	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.006	0.119	0.027	0.092	0.000	0.000	0.000	0.000	122.39
	122.39	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	5.04231	5.04231	5.04231	5.04231	1	5.04231	1	0.323689
	-30.0303	7.78432	0.0153048	0	0	1.0155	1	1967.55	723.922
	1438.8	1	1	626.214	119689	1233.67	235794	1	626.214
	119689	1.29834	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	563.593	0.0532837	84.5638	41.7146	2.57216e-07



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Report:
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Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UFtot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	4.79741e-08	0	0						
Bm110	LC5_MC_075	0.0	0.50	OK	0.13	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.129	0.027	0.101	0.000	0.000	0.000	0.000	122.39
	122.39	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	5.04231	5.04231	5.04231	5.04231	1	5.04231	1	0.839885
	-30.8506	8.50983	-0.0216921	0	0	1.01593	1	1967.55	723.922
	1438.8	1	1	626.214	119689	1233.67	235794	1	626.214
	119689	1.26628	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	563.593	0.0547392	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm111	LC2_MC_125	0.0	0.50	OK	0.13	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.129	0.027	0.101	0.000	0.000	0.000	0.000	122.39
	122.39	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	5.04231	5.04231	5.04231	5.04231	1	5.04231	1	0.805317
	-30.9921	8.50126	-0.0213712	0	0	1.016	1	1967.55	723.922
	1438.8	1	1	626.214	119689	1233.67	235794	1	626.214
	119689	1.26665	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	563.593	0.0549902	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm112	LC5_MC_075	0.0	0.50	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.006	0.119	0.027	0.092	0.000	0.000	0.000	0.000	122.39
	122.39	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	5.04231	5.04231	5.04231	5.04231	1	5.04231	1	0.319188
	-29.8813	7.75734	0.0144293	0	0	1.01542	1	1967.55	723.922
	1438.8	1	1	626.214	119689	1233.67	235794	1	626.214
	119689	1.29966	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	563.593	0.0530192	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm114	LC2_MC_125	0.0	0.50	OK	0.21	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.008	0.213	0.036	0.177	0.000	0.000	0.000	0.000	119.497
	72.4836	0	0.499678	0.0644231	0.515385	0	0	0.49999	275000
	2.1e+08	4.9231	2.46155	4.9231	4.9231	1	4.9231	1	1
	-68.7295	11.6669	1.62593	0	0	1.03445	1.02315	2063.99	3037.62
	1438.8	1	1	1074.7	205409	1235.13	236073	1	1074.7
	205409	1.1421	0	0	2.00372	10.8705	93.8188	2	46.3496
	211.2	1	5.34	686.4	967.228	0.0710582	84.4369	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm115	LC5_MC_075	0.0	0.50	OK	0.21	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.008	0.210	0.035	0.175	0.000	0.000	0.000	0.000	119.497
	72.4836	0	0.499678	0.0644231	0.515385	0	0	0.50001	275000
	2.1e+08	4.9231	2.46155	4.9231	4.9231	1	4.9231	1	0.309428
	-67.089	11.6558	1.5631	0	0	1.0336	1	2063.99	3037.62
	1438.8	1	1	1074.7	205409	1235.13	236073	1	1074.7
	205409	1.14338	0	0	2.00372	10.8705	93.9237	2	46.3496
	211.2	1	5.34	686.4	967.228	0.0693622	84.5314	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm125	LC5_MC_075	0.0	0.00	OK	0.13	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.059	0.127	0.002	0.124	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	1e-05	275000
	2.1e+08	2	4	4	4	1	4	1	0.559586
	3.67931	-4.88453	0.120961	0	0	1	1	5156.87	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468



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Report:
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Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
12/08/2019

Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	137995	1.82535	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.00492575	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm126	LC2_MC_125	0.0	0.00	OK	0.21	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.064	0.211	0.055	0.156	0.000	0.000	0.000	0.000	110.254
	110.254	0	0.499698	0.0637363	0.483333	0	0	1e-05	275000
	2.1e+08	2	4	4	4	1	4	1	0.323568
	-57.4406	-8.91394	-0.156598	0	0	1.00759	1	7623.81	711.337
	1147.3	1	1	584.114	140008	1000.82	239889	1	584.114
	140008	2.33665	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	525.702	0.109265	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm127	LC5_MC_075	0.0	1.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.048	0.087	0.012	0.075	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.99999	275000
	2.1e+08	2	4	4	4	1	4	1	0.336323
	18.4156	-2.76265	0.166307	0	0	1	1	5156.87	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.37542	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.0246543	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm128	LC5_MC_075	0.0	1.00	OK	0.34	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.127	0.342	0.036	0.306	0.000	0.000	0.000	0.000	110.254
	55.1269	0	0.499698	0.0637363	0.483333	0	0	0.99999	275000
	2.1e+08	2	2	4	4	1	4	1	1
	-62.2326	-16.9916	-0.539273	0	0	1.00823	1.02236	7623.81	2845.35
	1147.3	1	1	969.13	232294	1000.82	239889	1	969.13
	232294	1.88198	0	0	1.7645	10.0688	65.6117	2	32.7308
	161.7	1	5.34	554.4	872.217	0.0713499	59.0505	29.4577	1.74543e-07
	2.24924e-08	0	0						
Bm129	LC2_MC_125	0.0	0.00	OK	0.16	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.012	0.161	0.036	0.125	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.36223	0.336528
	-17.0251	-2.49196	0.524711	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.19189	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.0722708	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm130	LC2_MC_125	0.0	0.00	OK	0.13	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.007	0.134	0.055	0.079	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.285639	0.365813
	-25.8382	-1.33966	-0.455965	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.22932	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.109682	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm133	LC5_MC_075	0.0	0.48	OK	0.21	ufShear	Geom OK	AISC member	ver_med_new.run(1)
	0.208	0.189	0.024	0.165	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.47501	275000
	2.1e+08	2	4	4	4	1	4	1	1



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Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	-17.9785	-6.08461	0.364877	0	0	1.0035	1.03701	5156.87	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	2.17189	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	374.821	0.0479656	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm161	LC2_MC_125	0.0	0.00	OK	0.27	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.009	0.268	0.215	0.053	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.575872
	-146.559	-0.145836	-2.40328	0	0	1.06095	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.81646	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.214991	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm162	LC2_MC_125	0.0	0.67	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.002	0.119	0.043	0.076	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.666667	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.613769
	110.304	5.73207	0.36308	0	0	1	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	1.32918	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.085182	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm163	LC2_MC_125	0.0	1.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.030	0.089	0.022	0.068	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.597682
	-29.6946	-5.70257	0.00522956	0	0	1.01178	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.10945	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.0435596	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm164	LC5_MC_075	0.0	0.25	OK	0.10	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.101	0.031	0.070	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.25	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.58839
	-42.3279	2.7331	1.56097	0	0	1.01687	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.13296	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.0620917	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm165	LC5_MC_075	0.0	0.50	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.001	0.125	0.038	0.087	0.000	0.000	0.000	0.000	107.487
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.587835
	97.3017	6.20203	-0.571284	0	0	1	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	1.15954	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0751411	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm166	LC5_MC_075	0.0	1.00	OK	0.35	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.041	0.352	0.211	0.141	0.000	0.000	0.000	0.000	107.487



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Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	107.487	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.42832	4.42832	4.42832	4.42832	1	4.42832	1	0.591613
	-143.904	-13.3521	-0.0193304	0	0	1.05978	1	2550.98	938.584
	1438.8	1	1	757.444	144771	1242.21	237425	1	757.444
	144771	2.80268	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	681.699	0.211096	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm167	LC5_MC_075	0.0	1.00	OK	0.06	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.029	0.056	0.002	0.054	0.000	0.000	0.000	0.000	88.692
	88.692	0	0.499646	0.0579882	0.482576	0	0	0.99999	275000
	2.1e+08	2.75862	2.75862	2.75862	2.75862	1	2.75862	1	0.387798
	-1.87945	-2.1165	-0.0132489	0	0	1.00082	1	2281.76	863.43
	901.175	1	1	582.222	177669	805.925	245934	1	582.222
	177669	3.30531	0	0	1.51274	9.3273	43.8588	2	22.0647
	128.7	1	5.34	435.6	524	0.00358673	39.4729	19.8582	1.15451e-07
	9.41641e-09	0	0						
Bm168	LC2_MC_125	0.0	0.00	OK	0.09	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.036	0.086	0.008	0.078	0.000	0.000	0.000	0.000	88.692
	88.692	0	0.499646	0.0579882	0.482576	0	0	1e-05	275000
	2.1e+08	2.75862	2.75862	2.75862	2.75862	1	2.75862	1	0.202686
	-8.35839	-3.04507	-0.0187393	0	0	1.00368	1	2281.76	863.43
	901.175	1	1	582.222	177669	805.925	245934	1	582.222
	177669	2.62253	0	0	1.51274	9.3273	43.8588	2	22.0647
	128.7	1	5.34	435.6	524	0.0159511	39.4729	19.8582	1.15451e-07
	9.41641e-09	0	0						
Bm177	LC2_MC_125	0.0	0.50	OK	0.14	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.004	0.142	0.018	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	0.600004
	-24.4554	10.4946	1.99238e-14	0	0	1.00987	1	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0363349	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm178	LC5_MC_075	0.0	0.50	OK	0.14	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.002	0.143	0.019	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	0.600004
	-24.9085	10.4965	1.24564e-14	0	0	1.01006	1	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0370081	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm195	LC5_MC_075	0.0	0.33	OK	0.10	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.006	0.096	0.001	0.095	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.333333	275000
	2.1e+08	4	4	4	4	1	4	1	0.308541
	1.55751	3.90236	-0.0106845	0	0	1	1	1289.22	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.23854	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.00208515	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						



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Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	Mcz	J
	Cw	frnw	frvw						
Bm196	LC2_MC_125	0.0	0.33	OK	0.10	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.006	0.096	0.001	0.095	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.333333	275000
	2.1e+08	4	4	4	4	1	4	1	0.311188
	1.55474	3.89635	0.0103231	0	0	1	1	1289.22	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.23826	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.00208144	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm197	LC2_MC_125	0.0	1.00	OK	0.12	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.057	0.119	0.002	0.117	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	0.99999	275000
	2.1e+08	4	4	4	4	1	4	1	0.313199
	3.12641	-4.66397	-0.0853698	0	0	1	1	1289.22	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.76187	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	746.955	0.00418554	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm198	LC2_MC_125	0.0	0.00	OK	0.22	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.065	0.222	0.003	0.220	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	1	1
	-1.93054	-3.51919	-2.80146	0	0	1.0015	1.00385	1289.22	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.39476	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	374.821	0.00515057	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm199	LC2_MC_125	0.0	0.50	OK	0.28	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.039	0.276	0.002	0.274	0.000	0.000	0.000	0.000	111.43
	69.6556	0	0.499793	0.0811189	0.536134	0	0	0.49999	275000
	2.1e+08	4	2	4	4	1	4	1	1
	-2.50322	8.85268	1.22898	0	0	1.00195	1.00124	1289.22	2015.07
	829.95	1	1	633.917	210046	663.269	219771	1	633.917
	210046	1.39804	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	570.526	0.00438756	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm200	LC5_MC_075	0.0	0.00	OK	0.22	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.065	0.220	0.003	0.217	0.000	0.000	0.000	0.000	111.43
	111.43	0	0.499793	0.0811189	0.536134	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	1	1
	-1.96094	-3.50769	2.75778	0	0	1.00152	1.00391	1289.22	503.768
	829.95	1	1	416.468	137995	663.269	219771	1	416.468
	137995	1.39413	0	0	1.74587	7.45439	45.8307	2	23.1487
	120.698	1	5.34	392.7	374.821	0.00523166	41.2476	20.8339	6.37515e-08
	1.50699e-08	0	0						
Bm201	LC5_MC_075	0.0	1.00	OK	0.58	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.057	0.576	0.338	0.238	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.488483
	-194.339	-21.3574	0.632691	0	0	1.10672	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	2.8692	0	0	2.00372	10.8705	93.9598	2	46.3496



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Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
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Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	ufH1	ufH1ax	ufH1mo	ufH2	ufH2ax	ufH2mo	ufH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	211.2	1	5.34	686.4	574.841	0.338074	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm202	LC5_MC_075	0.0	1.00	OK	0.22	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.053	0.220	0.049	0.170	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.493926
	127.618	-10.07	-2.14382	0	0	1	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	1.70958	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0985531	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm203	LC2_MC_125	0.0	0.00	OK	0.22	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.053	0.219	0.049	0.170	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.49348
	127.698	-10.0517	-2.14063	0	0	1	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	1.71069	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0986146	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm204	LC2_MC_125	0.0	0.00	OK	0.58	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.057	0.576	0.339	0.237	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.487818
	-194.759	-21.2814	0.62802	0	0	1.10697	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	2.87289	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	574.841	0.338805	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm205	LC5_MC_075	0.0	0.00	OK	0.27	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.018	0.268	0.020	0.248	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.203525	0.354888
	23.9095	3.05988	-2.01351	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.36005	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	596.475	0.0400847	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm206	LC2_MC_125	0.0	0.00	OK	0.27	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.018	0.268	0.020	0.248	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.203899	0.354767
	23.9078	3.05936	2.0056	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.35985	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	596.475	0.0400818	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm207	LC5_MC_075	0.0	1.00	OK	0.37	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.028	0.368	0.220	0.148	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	0.99999	275000
	2.1e+08	4	4	4	4	1	4	0.235324	0.298995
	-51.874	-4.40277	-0.146919	0	0	1	1	750.764	298.589



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Report:
015800BZCZ00001_PRDE

Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
12/08/2019

Member	LoadCase	Phase	Position	Status	UfTot	Formula	GeomCheck	SubCheck	Run
	ufShear	uffH1	uffH1ax	uffH1mo	uffH2	uffH2ax	uffH2mo	uffH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.2546	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.220204	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm208	LC2_MC_125	0.0	1.00	OK	0.66	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.053	0.657	0.369	0.288	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.327997
	-212.131	-20.2242	-3.55114	0	0	1.11763	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	2.85058	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	574.841	0.369025	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm209	LC2_MC_125	0.0	0.00	OK	0.22	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.012	0.221	0.047	0.173	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.368821
	122.35	8.74428	-2.91433	0	0	1	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	1.72057	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0944844	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm210	LC5_MC_075	0.0	1.00	OK	0.22	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.012	0.219	0.047	0.172	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	0.99999	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.368524
	121.616	8.64006	-2.91376	0	0	1	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	1.72317	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	1294.92	0.0939175	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm211	LC5_MC_075	0.0	0.00	OK	0.66	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.053	0.657	0.369	0.288	0.000	0.000	0.000	0.000	120.928
	120.928	0	0.499678	0.0644231	0.515385	0	0	1e-05	275000
	2.1e+08	4.98206	4.98206	4.98206	4.98206	1	4.98206	1	0.335086
	-211.858	-20.0585	-3.62511	0	0	1.11747	1	2015.43	741.538
	1438.8	1	1	638.713	122078	1234.4	235933	1	638.713
	122078	2.8546	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	574.841	0.36855	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm212	LC2_MC_125	0.0	0.00	OK	0.32	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.027	0.319	0.033	0.286	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.257673	0.35338
	39.5181	-3.95524	-2.10058	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.38714	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	596.475	0.0662527	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm213	LC5_MC_075	0.0	0.00	OK	0.32	uffH1	Geom OK	AISC member	ver_med_new.run(1)
	0.027	0.318	0.033	0.285	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000



GeniE V7.9-04

Report:
015800BZCZ00001_PRDE

Report:
Annex C: Structural Checks – Bridge – Beams Check – Consequence Factor: Medium

Date:
12/08/2019

Member	LoadCase	Phase	Position	Status	UFtot	Formula	GeomCheck	SubCheck	Run
	ufShear	ufH1	ufH1ax	ufH1mo	ufH2	ufH2ax	ufH2mo	ufH3	sldTens
	sldComp	D/t	lzc/lz	h/tw(rel.)	web/Afc	bl/bs	OutOfBounds	relpos	Fy
	E	KLy	KLz	a	L	Kz	Lb	Cmy	Cmz
	Pr	Mry	Mrz	Mrymax	Mrzmax	B1y	B1z	Pey	Pez
	PnD2	FISldC	WebSldC	PnE3	FcrE3	PnE4	FcrE4	Q	PnE
	FcrAxial	Cb	FISldF	WebSldF	Lp	Lr	Mny	Sect. F.	Mnz
	Vnz	Cv	kv	Vny	Pc	Pr/Pc	Mcy	McZ	J
	Cw	frnw	frvw						
	2.1e+08	4	4	4	4	1	4	0.257154	0.353026
	39.4901	-3.95845	2.08419	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.38732	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	596.475	0.0662057	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm214	LC2_MC_125	0.0	0.00	OK	0.21	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.018	0.206	0.055	0.151	0.000	0.000	0.000	0.000	129.339
	129.339	0	0.499779	0.0753846	0.510417	0	0	1e-05	275000
	2.1e+08	4	4	4	4	1	4	0.37979	0.309532
	-26.0686	-3.82547	0.218716	0	0	1	1	750.764	298.589
	662.75	1	1	261.748	108609	538.235	223334	1	261.748
	108609	2.18349	0	0	1.50413	6.99149	31.2854	2	16.0084
	94.05	1	5.34	316.8	235.573	0.11066	28.1568	14.4076	4.50433e-08
	6.4748e-09	0	0						
Bm223	LC2_MC_125	0.0	0.50	OK	0.14	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.003	0.142	0.018	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	0.600004
	-24.4446	10.4946	-1.99238e-14	0	0	1.00987	1	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0363189	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						
Bm226	LC5_MC_075	0.0	0.50	OK	0.14	ufH1	Geom OK	AISC member	ver_med_new.run(1)
	0.003	0.142	0.018	0.124	0.000	0.000	0.000	0.000	108.551
	108.551	0	0.499678	0.0644231	0.515385	0	0	0.5	275000
	2.1e+08	4.47214	4.47214	4.47214	4.47214	1	4.47214	1	1
	-24.3491	10.4941	0	0	0	1.00983	1.02718	2501.24	920.282
	1438.8	1	1	747.84	142936	1241.51	237292	1	747.84
	142936	1.15385	0	0	2.00372	10.8705	93.9598	2	46.3496
	211.2	1	5.34	686.4	673.056	0.0361769	84.5638	41.7146	2.57216e-07
	4.79741e-08	0	0						