APPENDIX A: ALL RESULTS

Tables of Strain Measurements

Tables of Displacement Measurements

Plots of Strain and Displacement for all Wheel Positions

Tables of Strain Measurements

Culvert	A6330
Test Date	27-Mar-13

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

	1 Truck	2 Trucks
Load, p (lb)	50,660	102,600
Cell Width, L (ft)	14	14
Slab Thickness, d (in.)	11	11
Normalization Factor, pL/d^2 (lb/in.)	70338	142453

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	3	24	9	24	9	9	3	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		12:27												
Zero v2		12:31												
Zero v3		12:33												
1 Truck Static Position 1	1	12:34	-7.32E-06	1.33E-05	-4.79E-06	-3.74E-06	2.43E-06	1.50E-06	-1.21E-05	4.80E-06	-5.86E-06	-1.72E-06	6.58E-06	8.32E-06
1 Truck Static Position 2	2	12:35	-2.45E-06	1.27E-05	-1.79E-06	9.27E-07	5.14E-06	2.16E-06	-1.40E-05	3.38E-06	-4.98E-07	-4.03E-06	6.37E-06	1.17E-05
1 Truck Static Position 3	3	12:36	3.12E-07	5.23E-06	2.00E-06	-4.38E-07	-2.39E-06	1.42E-06	-9.29E-07	6.44E-06	2.63E-07	5.11E-06	9.22E-07	4.18E-06
1 Truck Static Position 4	4	12:37	-1.53E-05	9.54E-06	-7.66E-06	-1.38E-05	-9.55E-06	-6.46E-07	2.58E-06	1.29E-05	-1.59E-05	1.22E-05	7.44E-06	-6.51E-06
1 Truck Static Position 5	5	12:38	-1.92E-05	1.01E-05	-1.16E-05	-1.60E-05	-9.86E-06	-2.48E-06	9.21E-07	1.12E-05	-1.97E-05	1.01E-05	9.37E-06	-7.88E-06
1 Truck Static Position 6	6	12:39	-1.78E-05	8.39E-06	-1.15E-05	-1.30E-05	-4.85E-06	-1.98E-06	1.07E-06	8.77E-06	-1.73E-05	7.67E-06	1.13E-05	-6.29E-06
1 Truck Static Position 7	7	12:40	-9.33E-07	1.12E-06	-5.69E-07	-5.11E-07	2.05E-07	-1.33E-07	4.41E-08	4.63E-06	-8.51E-07	1.74E-06	-1.45E-07	-1.44E-06
Zero v4		12:41												
2 Truck Static Position 1	1	12:42	-9.62E-06	1.46E-05	-8.56E-06	-6.41E-06	5.60E-07	-8.77E-07	-1.61E-05	3.51E-06	-8.70E-06	-4.56E-06	6.18E-06	9.10E-06
2 Truck Static Position 2	2	12:43	-4.70E-06	1.27E-05	-4.94E-06	-1.30E-06	3.19E-06	8.48E-07	-1.70E-05	9.63E-07	-3.32E-06	-7.08E-06	5.35E-06	1.28E-05
2 Truck Static Position 3	3	12:44	-2.04E-06	3.82E-06	-5.39E-08	-4.64E-06	-7.88E-06	-9.11E-06	-2.66E-06	4.86E-06	-3.19E-06	2.75E-06	-1.60E-06	2.32E-06
2 Truck Static Position 4	4	12:44	-1.89E-05	1.15E-05	-1.28E-05	-2.29E-05	-1.87E-05	-2.18E-05	2.93E-06	1.28E-05	-2.19E-05	1.33E-05	6.36E-06	-1.09E-05
2 Truck Static Position 5	5	12:45	-2.22E-05	1.35E-05	-1.68E-05	-2.46E-05	-1.76E-05	-2.09E-05	2.30E-06	1.28E-05	-2.44E-05	1.11E-05	8.66E-06	-1.19E-05
2 Truck Static Position 6	6	12:46	-2.09E-05	1.09E-05	-1.64E-05	-2.06E-05	-1.13E-05	-1.63E-05	1.82E-06	9.21E-06	-2.15E-05	8.63E-06	1.07E-05	-9.95E-06
2 Truck Static Position 7	7	12:47	-1.00E-06	1.59E-06	-1.18E-07	-1.16E-07	-1.71E-07	4.89E-07	-1.76E-07	5.10E-06	-6.83E-07	3.32E-08	-4.21E-06	-2.65E-06
Zero v5		12:48												
Dynamic at 5 mph		12:49	-1.50E-05	1.33E-05	-8.01E-06	-1.41E-05	-9.66E-06	-2.17E-06	-1.39E-05	1.06E-05	-1.76E-05	7.15E-06	1.04E-05	1.02E-05
Dynamic at 1 mph		12:50	-1.89E-05	1.31E-05	-1.18E-05	-1.52E-05	-1.16E-05	-3.07E-06	-1.30E-05	1.07E-05	-1.88E-05	8.05E-06	9.65E-06	1.13E-05

Culvert	N0793
Test Date	5-Apr-13

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

Load, p (lb)	59,660
Cell Width, L (ft)	14
Slab Thickness, d (in.)	10
Normalization Factor, pL/d^2 (lb/in.)	100229

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	3	24	9	24	9	9	3	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		1:09												
Zero v2		1:10												
Static Position 1	1	1:12	-2.13E-06	2.35E-05	-9.04E-06	-2.85E-06	4.50E-06	-2.86E-07	-2.92E-05	2.74E-06	-3.99E-06	-8.16E-06	1.71E-05	5.10E-06
Static Position 2	2	1:13	3.21E-06	2.24E-05	-1.24E-06	3.10E-06	7.33E-06	2.22E-06	-2.79E-05	2.28E-06	1.78E-06	-6.80E-06	1.83E-05	5.93E-06
Static Position 3	3	1:14	-1.45E-06	1.31E-05	-1.31E-06	-3.17E-06	-2.69E-06	-1.62E-06	-7.22E-06	2.86E-06	-2.05E-06	5.04E-06	4.91E-06	3.29E-06
Static Position 4	4	1:15	-2.73E-05	1.97E-05	-2.74E-05	-4.19E-05	-2.04E-05	-1.37E-05	6.93E-07	5.30E-06	-3.19E-05	1.80E-05	-1.31E-05	5.13E-06
Static Position 5	5	1:15	-2.83E-05	2.09E-05	-3.95E-05	-4.12E-05	-1.91E-05	-1.49E-05	1.90E-06	5.45E-06	-3.43E-05	1.81E-05	-1.30E-05	7.55E-06
Static Position 6	6	1:16	-2.82E-05	1.85E-05	-3.85E-05	-4.26E-05	-1.28E-05	-1.41E-05	1.68E-06	3.68E-06	-3.39E-05	1.59E-05	-1.21E-05	8.73E-06
Static Position 7	7	1:17	-7.66E-06	6.91E-06	-1.58E-05	-9.48E-06	-2.09E-06	-5.64E-06	2.54E-07	-1.03E-06	-9.65E-06	6.11E-06	-6.17E-06	6.60E-06
Zero v3		1:18												
Dynamic at 1 mph		1:19	-2.74E-05	2.22E-05	-3.88E-05	-4.10E-05	-2.03E-05	-1.48E-05	-2.80E-05	6.20E-06	-3.40E-05	1.69E-05	1.58E-05	1.07E-05
Dynamic at 5 mph		1:20	-2.73E-05	1.94E-05	-3.69E-05	-3.86E-05	-9.86E-06	-1.11E-05	-2.50E-05	1.99E-06	-1.62E-05	1.48E-05	1.65E-05	5.68E-06
Zero v4 (End of 5 mph)		1:21												

Culvert	L0525
Test Date	7-Dec-12

Load, p (lb)	50,800
Cell Width, L (ft)	12
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	60456

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	24	24	9	24	24	9	24	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		13:28												
Static Position 1	1	13:36	8.68E-07	-1.55E-08	-2.37E-06	-6.36E-08	2.70E-06	1.32E-06	-1.19E-05	-2.59E-07	-1.50E-07	-2.06E-06	2.92E-06	1.78E-05
Static Position 3	3	13:40	-6.01E-07	2.32E-09	-4.99E-07	-2.34E-06	-2.86E-06	4.29E-07	-3.13E-06	-9.08E-07	-2.52E-06	4.64E-06	2.40E-06	1.67E-05
Static Position 4	4	13:42	-5.88E-06	4.98E-08	-5.28E-06	-8.65E-06	-6.50E-06	-1.07E-07	2.01E-06	-1.64E-06	-8.82E-06	1.00E-05	7.10E-06	-3.70E-06
Static Position 5	5	13:43	-7.01E-06	9.32E-08	-8.16E-06	-1.03E-05	-6.18E-06	-8.41E-07	2.14E-06	-2.37E-06	-1.01E-05	9.63E-06	8.45E-06	-4.44E-06
Zero v2 (Begin of 5 mph)		13:53												
Dynamic at 5 mph		13:53	-8.55E-06	-9.35E-08	-9.48E-06	-9.85E-06	-5.21E-06	-1.68E-06	-1.06E-05	-2.30E-06	-9.35E-06	7.79E-06	6.67E-06	2.70E-06
Dynamic at 10 mph		13:54	9.55E-07	-8.63E-08	1.74E-06	2.27E-06	-6.22E-06	1.44E-06	1.36E-06	-2.41E-06	-5.54E-06	2.74E-06	4.04E-06	1.50E-06
Dynamic at 20 mph		13:56	-2.39E-06	1.51E-07	-4.92E-06	-2.07E-06	1.39E-06	-1.22E-06	-3.55E-06	-2.20E-06	-1.01E-05	6.66E-06	7.62E-06	2.37E-06
Dynamic at 30 mph		13:57	-6.72E-06	7.19E-08	-2.37E-06	-5.71E-07	-4.13E-06	-1.37E-06	-8.85E-06	-1.17E-07	3.89E-07	2.87E-06	4.60E-06	1.99E-06
Zero v3 (End of 30 mph)		13:57												

Culvert	N0502
Test Date	8-Apr-13

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

Load, p (lb)	59,660
Cell Width, L (ft)	15
Slab Thickness, d (in.)	10.5
Normalization Factor, pL/d^2 (lb/in.)	97404

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	3	24	9	24	9	9	3	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		1:55												
Zero v2		1:56												
Static Position 1	1	1:57	-2.80E-06	2.07E-05	-3.09E-06	-5.52E-07	1.61E-06	2.43E-06	-2.17E-05	1.11E-05	-3.53E-06	-4.30E-06	9.91E-06	1.81E-05
Static Position 2	2	1:58	-1.22E-06	2.16E-05	-1.52E-06	6.93E-07	2.98E-06	2.49E-06	-2.15E-05	9.57E-06	-1.79E-06	-4.02E-06	1.05E-05	1.83E-05
Static Position 3	3	1:59	6.97E-07	1.64E-05	2.29E-06	8.16E-07	-2.54E-06	1.07E-06	-2.79E-07	9.73E-06	-7.99E-07	9.02E-06	5.03E-06	7.94E-06
Static Position 4	4	2:00	-9.09E-06	2.07E-05	-5.98E-06	-1.24E-05	-1.43E-05	-1.63E-07	1.61E-06	1.60E-05	-1.23E-05	2.00E-05	6.81E-06	-1.20E-05
Static Position 5	5	2:01	-1.22E-05	2.40E-05	-1.11E-05	-1.32E-05	-1.23E-05	7.66E-07	1.94E-06	1.78E-05	-1.48E-05	2.17E-05	1.11E-05	-1.44E-05
Static Position 6	6	2:02	-1.11E-05	2.36E-05	-1.19E-05	-9.46E-06	-5.99E-06	3.77E-06	1.99E-06	1.75E-05	-1.32E-05	1.93E-05	1.53E-05	-1.25E-05
Static Position 7	7	2:03	-2.83E-06	1.06E-05	-5.56E-06	-8.72E-07	1.60E-06	1.70E-08	-6.45E-07	6.01E-06	-2.61E-06	8.57E-06	4.87E-06	-7.92E-06
Zero v3		2:04												
Zero v4 (Begin of 5 mph)		2:06												
Dynamic at 1 mph		2:08	-1.34E-05	2.00E-05	-1.48E-05	-1.34E-05	-1.48E-05	-2.11E-06	-3.05E-05	1.58E-05	-1.70E-05	1.63E-05	-1.45E-05	-1.37E-05
Dynamic at 5 mph		2:10	-1.25E-05	1.61E-05	-1.02E-05	-1.00E-05	-1.61E-05	-1.67E-06	-1.75E-05	1.78E-05	-1.73E-05	1.29E-05	1.21E-05	-8.63E-06
Zero v5 (End of 5 mph)		2:10												

Culvert	N0936
Test Date	17-Dec-12

Load, p (lb)	46,350
Cell Width, L (ft)	12
Slab Thickness, d (in.)	10.5
Normalization Factor, pL/d^2 (lb/in.)	60539

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	24	24	9	24	9	9	24	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		12:57												
Static Position 1	1	12:59	9.74E-07	2.11E-06	-1.57E-07	9.34E-07	2.70E-06	9.19E-07	-5.51E-06	6.84E-07	1.28E-06	-1.25E-06	2.21E-06	5.52E-06
Static Position 2	2	13:00	1.46E-06	2.34E-06	1.75E-07	1.74E-06	2.92E-06	1.39E-06	-6.41E-06	1.01E-06	1.92E-06	-9.89E-07	2.00E-06	5.36E-06
Static Position 3	3	13:01	-2.49E-06	-1.75E-06	-4.25E-07	-1.51E-06	-1.14E-06	3.50E-07	-4.15E-06	3.00E-07	-2.12E-06	2.12E-06	1.46E-06	3.04E-06
Static Position 4	4	13:02	-1.48E-05	-8.79E-06	-7.03E-06	-1.45E-05	-9.00E-06	-4.52E-06	-1.45E-06	-3.77E-06	-1.68E-05	3.81E-06	2.49E-06	-3.11E-06
Static Position 5	5	13:03	-1.60E-05	-9.26E-06	-7.84E-06	-1.56E-05	-9.32E-06	-4.43E-06	-1.06E-06	-3.63E-06	-1.83E-05	4.19E-06	2.89E-06	-3.59E-06
Static Position 6	6	13:04	-1.50E-05	-7.08E-06	-9.03E-06	-1.54E-05	-6.97E-06	-4.05E-06	-1.01E-06	-3.27E-06	-1.74E-05	3.72E-06	4.66E-06	-4.08E-06
Static Position 7	7	13:05	-6.53E-06	-2.50E-06	-6.41E-06	-7.00E-06	-2.21E-06	-2.30E-06	-3.94E-07	-1.98E-06	-7.54E-06	1.76E-06	3.85E-06	-2.89E-06
Zero v2		13:06												
Dynamic at 5 mph V1		13:07	-1.13E-05	-5.52E-06	-6.27E-06	-1.18E-05	-3.01E-06	-1.77E-06	-2.29E-06	-9.23E-07	-6.17E-06	4.38E-06	3.51E-06	4.32E-06
Dynamic at 5 mph V2		13:09	-9.23E-06	-4.31E-06	-5.30E-06	-1.19E-05	-3.07E-06	-1.57E-06	-2.60E-06	6.94E-07	-5.59E-06	3.86E-06	3.93E-06	3.79E-06
Dynamic at 10 mph V1		13:09	-7.34E-06	3.08E-06	-3.37E-06	3.17E-06	4.47E-06	2.27E-06	-1.77E-06	1.38E-06	-3.89E-06	5.82E-06	6.20E-06	2.16E-06
Dynamic at 10 mph V2		13:10	2.43E-06	2.46E-06	1.81E-06	1.95E-06	2.01E-06	1.63E-06	6.24E-07	-1.08E-06	-1.38E-05	4.54E-06	6.85E-06	3.41E-06
Dynamic at 20 mph		13:11	-1.20E-05	-2.88E-06	-4.14E-06	-1.46E-06	-1.76E-06	-4.07E-07	-2.61E-06	-2.05E-07	4.67E-07	1.26E-06	2.31E-06	9.73E-07
Zero v3 (End of 20 mph)		13:11												

Culvert	X0749
Test Date	14-May-13

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

Load, p (lb)	53,690	estimated as average empty truck weight plus load of 14 tons per maintenance supervisor, who said loads all b/n 13 and 14 tons
Cell Width, L (ft)	12	
Slab Thickness, d (in.)	12	
Normalization Factor, pL/d^2 (lb/in.)	53690	

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	3	24	9	24	9	9	3	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		14:32												
Static Position 1	1	14:33	-4.12E-06	3.64E-06	-4.70E-06	-3.70E-06	-1.99E-06	-2.25E-06	-1.26E-05	-2.45E-06	-4.10E-06	-4.05E-06	-1.24E-06	2.41E-06
Static Position 2	2	14:34	-5.56E-06	2.92E-06	-4.43E-06	-4.53E-06	-3.70E-06	-3.15E-06	-1.15E-05	-2.60E-06	-5.45E-06	-3.38E-06	-2.24E-06	1.97E-06
Static Position 3	3	14:35	-7.71E-06	2.16E-06	-5.64E-06	-6.76E-06	-5.83E-06	-4.04E-06	-5.22E-06	-2.03E-06	-9.22E-06	1.29E-06	-4.33E-07	-1.29E-06
Static Position 4	4	14:36	-1.15E-05	3.04E-07	-1.01E-05	-1.13E-05	-1.04E-05	-4.96E-06	-4.05E-06	-2.19E-06	-1.35E-05	3.37E-06	2.64E-06	-6.12E-06
Static Position 5	5	14:36	-1.19E-05	9.55E-07	-9.89E-06	-1.09E-05	-9.26E-06	-3.83E-06	-2.54E-06	-1.86E-06	-1.35E-05	3.70E-06	4.45E-06	-5.97E-06
Static Position 6	6	14:37	-1.12E-05	1.15E-06	-1.04E-05	-1.04E-05	-8.10E-06	-3.91E-06	-2.20E-06	-2.72E-06	-1.26E-05	2.99E-06	4.81E-06	-5.84E-06
Static Position 7	7	14:38	-6.32E-06	3.33E-07	-7.32E-06	-6.01E-06	-4.46E-06	-2.76E-06	-1.69E-06	-3.47E-06	-6.91E-06	1.84E-06	2.73E-06	-4.63E-06
Zero v2 (Start of 5 mph)		14:39												
Dynamic at 5 mph		14:39	-7.86E-06	6.67E-06	-8.22E-06	-7.41E-06	-4.63E-06	-3.14E-06	-9.96E-06	-1.17E-06	-8.36E-06	4.93E-06	3.78E-06	-3.30E-06
Dynamic at 1 mph		14:41	-6.44E-06	6.10E-06	-5.86E-06	-6.36E-06	-3.13E-06	1.38E-06	-8.25E-06	2.81E-06	-8.58E-06	4.79E-06	6.58E-06	9.10E-06
Zero v3 (End of 1 mph)		14:43												

Culvert	A2869
Test Date	19-Dec-12

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

Load, p (lb)	56,600
Cell Width, L (ft)	11
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	61745

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	24	24	9	24	9	9	24	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		12:39												
Zero v2		12:40												
Static Position 1	1	12:41	4.56E-07	1.22E-06	-3.08E-07	2.56E-07	1.36E-06	4.57E-07	-3.46E-06	4.40E-07	4.48E-07	1.67E-07	9.40E-07	1.51E-06
Static Position 2	2	12:42	5.59E-07	1.16E-06	-1.09E-08	3.84E-07	1.28E-06	5.65E-07	-3.20E-06	6.49E-07	6.07E-07	9.17E-07	9.37E-07	1.50E-06
Static Position 3	3	12:43	-1.16E-06	-6.29E-07	-6.65E-07	-1.87E-06	-1.10E-06	-1.82E-07	-3.66E-07	3.11E-07	-1.57E-06	3.50E-06	1.55E-06	-6.25E-07
Static Position 4	4	12:43	-3.37E-06	-1.90E-06	-2.87E-06	-4.94E-06	-2.81E-06	-1.04E-06	2.05E-06	-1.54E-07	-4.53E-06	5.70E-06	2.81E-06	-3.21E-06
Static Position 5	5	12:44	-5.48E-06	-4.05E-06	-5.09E-06	-7.29E-06	-4.88E-06	-2.46E-06	-4.12E-07	-1.64E-06	-7.31E-06	3.83E-06	3.61E-06	-2.90E-06
Static Position 6	6	12:45	-5.06E-06	-3.13E-06	-5.41E-06	-6.86E-06	-3.80E-06	-2.33E-06	8.31E-08	-1.50E-06	-6.82E-06	3.90E-06	3.53E-06	-3.26E-06
Static Position 7	7	12:46	-2.35E-06	-8.65E-07	-3.91E-06	-3.24E-06	-9.96E-07	-1.22E-06	3.11E-07	-8.52E-07	-3.22E-06	2.68E-06	1.84E-06	-2.62E-06
Zero v3		12:48												
Dynamic at 5 mph V1		12:49	-4.10E-06	-3.61E-06	-3.75E-06	-7.03E-06	-4.60E-06	-2.09E-06	-5.59E-06	-1.34E-06	-6.11E-06	3.72E-06	2.71E-06	2.68E-06
Dynamic at 5 mph V2		12:50	-5.67E-06	-2.85E-06	-5.19E-06	-6.03E-06	-2.81E-06	-1.30E-06	-5.59E-06	-1.07E-06	-6.38E-06	4.11E-06	3.56E-06	2.99E-06
Dynamic at 10 mph V1		12:52	-4.30E-06	-3.43E-06	-3.97E-06	-6.95E-06	-3.23E-06	-8.14E-07	-5.91E-06	-8.34E-07	-2.18E-06	2.29E-06	2.72E-06	2.23E-06
Dynamic at 10 mph V2		12:53	-4.59E-06	-4.05E-06	-4.16E-06	-7.59E-06	-4.44E-06	-1.98E-06	-6.36E-06	-1.17E-06	-3.25E-06	1.83E-06	1.51E-06	-1.84E-06
Dynamic at 20 mph		12:55	-1.05E-06	-1.93E-06	-2.10E-06	-6.68E-06	-3.53E-06	-1.32E-06	-2.03E-06	-3.07E-07	-1.40E-06	-1.04E-06	1.69E-06	3.08E-06
Zero v4 (End of 20 mph)		12:55												

Culvert	R0015
Test Date	14-Dec-12

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

Load, p (lb)	50,900
Cell Width, L (ft)	13
Slab Thickness, d (in.)	13.5
Normalization Factor, pL/d^2 (lb/in.)	43569

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	24	24	9	24	9	9	24	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		13:19												
Static Position 1	1	13:21	-1.14E-06	-1.13E-08	-2.29E-06	-1.41E-06	-4.24E-07	-1.14E-06	-5.09E-06	-1.02E-06	-1.76E-06	-1.27E-07	2.65E-07	2.92E-06
Static Position 2	2	13:22	-1.30E-06	-4.46E-07	-1.84E-06	-1.22E-06	-4.63E-07	-8.82E-07	-4.07E-06	-8.37E-07	-1.54E-06	6.18E-07	8.59E-08	3.28E-06
Static Position 4	4	13:24	-4.56E-06	-3.46E-06	-4.12E-06	-4.09E-06	-4.21E-06	-2.55E-06	4.46E-07	-1.83E-06	-6.66E-06	3.98E-06	9.00E-08	-6.28E-07
Static Position 5	5	13:25	-6.37E-06	-4.97E-06	-7.73E-06	-6.64E-06	-6.44E-06	-5.61E-06	-9.12E-07	-3.83E-06	-9.22E-06	1.34E-06	3.18E-06	-2.08E-06
Static Position 6	6	13:26	-5.57E-06	-3.87E-06	-7.98E-06	-6.19E-06	-5.23E-06	-5.01E-06	-5.37E-07	-3.63E-06	-8.54E-06	1.65E-06	3.32E-06	-1.77E-06
Static Position 7	7	13:27	-2.92E-06	-1.79E-06	-5.69E-06	-3.50E-06	-2.33E-06	-3.54E-06	-1.24E-06	-1.90E-06	-4.79E-06	9.62E-07	3.31E-06	-2.67E-06
Zero v2		13:30												
Static Position 3	3	13:32	-2.81E-06	-2.64E-06	-2.43E-06	-2.10E-06	-2.12E-06	-1.57E-06	-3.97E-06	-1.43E-06	-3.15E-06	1.48E-06	1.48E-06	-3.57E-07
Zero v3		13:33												
Dynamic at 5 mph V1		13:34	-4.23E-06	-2.52E-06	-5.70E-06	-3.94E-06	-3.65E-06	-3.26E-06	-4.02E-06	-2.06E-06	-6.38E-06	3.28E-06	3.02E-06	2.25E-06
Dynamic at 5 mph V2		13:36	-4.71E-06	-3.53E-06	-5.38E-06	-4.57E-06	-4.01E-06	-3.74E-06	-5.36E-06	-1.95E-06	-5.02E-06	2.30E-06	2.83E-06	-2.78E-06
Dynamic at 10 mph V1		13:37	-4.45E-06	-3.41E-06	-5.20E-06	-4.14E-06	-2.33E-06	-2.69E-06	-4.74E-06	-1.19E-06	-2.61E-06	-2.16E-06	2.08E-06	-2.48E-06
Dynamic at 10 mph V2		13:37	-5.35E-06	-4.43E-06	-6.76E-06	-4.93E-06	-3.16E-06	-3.02E-06	-5.58E-06	-1.73E-06	-2.72E-06	-2.66E-06	1.79E-06	-1.72E-06
Dynamic at 20 mph		13:40	-4.24E-06	-2.11E-06	-4.77E-06	-2.09E-06	-1.31E-06	-1.14E-06	-4.48E-06	-6.51E-07	-1.44E-06	1.95E-06	2.34E-06	1.91E-06
Zero v4 (End of 20 mph)		13:40												

Culvert	N0059
Test Date	15-May-13

Load, p (lb)	45,880
Cell Width, L (ft)	10
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	45501

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	3	24	9	24	9	9	3	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		12:53												
Static Position 1	1	12:54	-9.35E-07	6.25E-06	-1.76E-06	-1.83E-06	7.94E-07	-8.98E-07	-4.04E-06	4.55E-08	-8.64E-07	1.02E-06	2.85E-06	5.20E-06
Static Position 2	2	12:55	-1.92E-06	6.13E-06	-3.00E-06	-2.41E-06	4.49E-07	-9.80E-07	-3.27E-06	-9.47E-09	-1.44E-06	2.08E-06	3.12E-06	5.55E-06
Static Position 3	3	12:56	-4.60E-06	5.31E-06	-4.02E-06	-5.83E-06	-3.25E-07	-1.88E-06	-2.70E-07	5.54E-07	-3.49E-06	4.39E-06	3.63E-06	4.87E-06
Static Position 4	4	12:57	-5.97E-06	3.64E-06	-4.93E-06	-1.07E-05	-1.03E-06	-4.01E-06	1.29E-06	5.76E-07	-6.17E-06	5.13E-06	3.86E-06	2.08E-06
Static Position 5	5	12:58	-5.59E-06	8.71E-07	-4.42E-06	-1.19E-05	-2.38E-06	-5.97E-06	-3.47E-06	-3.31E-07	-7.86E-06	3.13E-06	3.62E-06	-1.82E-06
Static Position 6	6	12:59	-3.50E-06	5.75E-07	-2.89E-06	-1.08E-05	-1.23E-06	-5.50E-06	-2.14E-06	-2.89E-09	-6.59E-06	2.52E-06	5.22E-06	-1.81E-06
Static Position 7	7	13:00	-9.25E-07	4.70E-07	-1.75E-06	-6.15E-06	5.33E-07	-4.19E-06	-2.20E-06	-5.01E-07	-3.20E-06	2.18E-06	6.09E-06	-2.43E-06
Zero v2		13:03												
Dynamic at 5 mph		13:03	-4.75E-06	4.26E-06	-2.94E-06	-7.79E-06	-1.10E-06	-2.12E-06	-3.70E-06	-1.11E-06	-3.67E-06	4.16E-06	5.44E-06	4.63E-06
Dynamic at 1 mph		13:04	-4.77E-06	4.54E-06	-3.21E-06	-9.36E-06	1.38E-06	-3.29E-06	-4.64E-06	1.23E-06	-4.84E-06	3.43E-06	6.51E-06	5.04E-06
Zero v3 (End of 1 mph)		13:05												

Culvert	P0622
Test Date	11-Dec-12

Load, p (lb)	54,560
Cell Width, L (ft)	12
Slab Thickness, d (in.)	15.5
Normalization Factor, pL/d^2 (lb/in.)	32702

Strain Gage Gain	810
Strain Gage Excitation (V)	10.4
Gage Length (in.)	3

	Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Serial Number	B3704	B3705	B3706	B3707	B3708	B3709	B3710	B3711	B3712	B3713	B3714	B3715
Calibration Factor (microstrain*Vext/mV)	502.7	484.5	492.3	497.9	486.1	489.8	492.7	493.1	491.5	516.4	491.3	482.0
Extension Length (in.)	9	24	24	9	24	9	9	24	9	24	24	24

Data Set	Wheel Position	Time	Strain ( )											
			Strain 1	Strain 2	Strain 3	Strain 4	Strain 5	Strain 6	Strain 7	Strain 8	Strain 9	Strain 10	Strain 11	Strain 12
Zero v1		13:33												
Zero v2		13:52												
Static Position 1	1	13:53	1.67E-07	6.66E-07	-5.00E-07	-3.67E-07	5.50E-07	1.29E-07	-2.15E-06	4.09E-07	-1.26E-07	1.51E-06	2.30E-06	2.71E-06
Static Position 2	2	13:54	-2.82E-07	2.83E-07	-9.02E-07	-7.66E-07	1.09E-07	-1.34E-07	-2.10E-06	2.93E-07	-4.99E-07	1.53E-06	2.03E-06	2.62E-06
Static Position 3	3	13:55	-1.00E-06	-2.48E-07	-1.25E-06	-1.48E-06	-4.12E-07	-1.83E-07	-1.13E-06	9.44E-08	-1.41E-06	2.44E-06	1.99E-06	2.85E-09
Zero v3		13:58												
Static Position 4	4	14:00	-1.72E-06	-8.84E-07	-2.22E-06	-2.34E-06	-1.21E-06	-9.03E-07	-5.51E-07	-2.77E-07	-2.06E-06	2.08E-06	2.07E-06	-6.83E-07
Static Position 5	5	14:01	-1.13E-06	-2.19E-07	-1.95E-06	-1.83E-06	-4.95E-07	-5.34E-07	1.50E-07	2.55E-07	-1.60E-06	3.01E-06	2.71E-06	-4.96E-07
Static Position 6	6	14:02	-4.64E-06	-3.78E-06	-5.42E-06	-5.51E-06	-4.80E-06	-4.08E-06	-2.65E-06	-3.10E-06	-4.76E-06	-2.05E-06	-8.44E-07	-3.64E-06
Static Position 7	7	14:03	-3.66E-06	-2.79E-06	-4.70E-06	-4.44E-06	-3.61E-06	-3.61E-06	-1.98E-06	-2.52E-06	-3.72E-06	-1.57E-06	-6.78E-07	-2.76E-06
Zero v4		14:06												
Dynamic at 5 mph V1		14:07	-1.49E-06	-1.01E-06	-1.82E-06	-2.05E-06	-1.30E-06	1.04E-06	-2.39E-06	4.14E-07	-1.60E-06	1.17E-06	2.28E-06	1.14E-06
Dynamic at 5 mph V2		14:09	9.75E-07	7.48E-07	1.41E-06	1.34E-06	1.17E-06	2.05E-06	-2.12E-06	1.14E-06	1.18E-06	2.35E-06	3.09E-06	-1.33E-06
Dynamic at 10 mph V1		14:10	1.23E-06	9.35E-07	1.66E-06	1.65E-06	1.36E-06	2.44E-06	-2.35E-06	1.36E-06	1.39E-06	1.78E-06	3.09E-06	-1.70E-06
Dynamic at 10 mph V2		14:15	-1.95E-06	-1.18E-06	-2.26E-06	-2.23E-06	-1.14E-06	9.69E-07	-1.81E-06	-5.34E-07	-1.65E-06	1.01E-06	1.59E-06	-2.16E-06
Dynamic at 20 mph		14:16	-1.21E-06	-1.80E-07	-1.22E-06	-9.26E-07	-4.54E-07	-5.43E-07	-2.61E-06	-4.17E-07	-1.83E-06	1.83E-06	1.90E-06	1.12E-06
Zero v5 (End of 20 mph)		14:16												

Tables of Displacement Measurements

Culvert	A6330
Test Date	27-Mar-13
LVDT Excitation (Vext)	10.4

	1 Truck	2 Trucks
Load, p (lb)	50,660	102,600
Cell Width, L (ft)	14	14
Slab Thickness, d (in.)	11	11
Normalization Factor, pL/d^2 (lb/in.)	70338	142453

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		12:27												
Zero v2		12:31												
Zero v3		12:33												
1 Truck Static Position 1	1	12:34	2.63E-03	3.13E-03	2.53E-03	2.22E-03	5.50E-04	2.52E-03	1.30E-03	-3.64E-04	-3.49E-04	1.82E-03	7.73E-03	8.72E-03
1 Truck Static Position 2	2	12:35	1.89E-03	1.81E-03	1.09E-03	3.72E-04	-1.07E-03	8.39E-04	7.16E-04	-6.52E-04	-8.31E-04	1.31E-03	8.55E-03	9.04E-03
1 Truck Static Position 3	3	12:36	4.22E-04	1.08E-03	9.33E-04	1.60E-03	1.16E-03	1.06E-03	1.90E-03	3.88E-04	2.90E-04	3.05E-04	1.28E-03	1.13E-03
1 Truck Static Position 4	4	12:37	5.25E-03	7.30E-03	6.55E-03	7.68E-03	5.97E-03	7.88E-03	4.10E-03	1.48E-03	1.88E-03	3.51E-03	-2.50E-03	-2.05E-03
1 Truck Static Position 5	5	12:38	7.25E-03	8.66E-03	7.40E-03	8.12E-03	6.41E-03	9.12E-03	3.09E-03	1.81E-03	2.35E-03	4.88E-03	-8.68E-04	-1.37E-03
1 Truck Static Position 6	6	12:39	7.38E-03	8.29E-03	6.68E-03	6.94E-03	5.00E-03	8.19E-03	2.59E-03	1.53E-03	1.94E-03	5.05E-03	-8.49E-04	-1.20E-03
1 Truck Static Position 7	7	12:40	1.14E-03	1.23E-03	3.83E-04	7.80E-04	3.50E-04	9.59E-04	5.99E-04	4.43E-04	4.71E-04	9.56E-04	1.03E-04	-2.33E-04
Zero v4		12:41												
2 Truck Static Position 1	1	12:42	3.31E-03	3.46E-03	3.33E-03	2.60E-03	8.45E-04	3.13E-03	1.10E-03	-5.48E-05	1.13E-04	2.45E-03	1.08E-02	1.19E-02
2 Truck Static Position 2	2	12:43	2.42E-03	1.91E-03	1.44E-03	4.21E-04	-9.95E-04	1.21E-03	-9.33E-04	-1.22E-03	-1.27E-03	1.86E-03	1.15E-02	1.20E-02
2 Truck Static Position 3	3	12:44	6.63E-04	1.07E-03	1.26E-03	2.16E-03	2.18E-03	1.50E-03	4.25E-03	5.21E-03	5.45E-03	6.55E-04	2.86E-03	1.72E-03
2 Truck Static Position 4	4	12:44	6.38E-03	8.26E-03	9.26E-03	1.09E-02	9.42E-03	9.82E-03	1.19E-02	1.17E-02	1.28E-02	4.35E-03	-2.08E-03	-2.73E-03
2 Truck Static Position 5	5	12:45	8.17E-03	9.45E-03	1.04E-02	1.14E-02	9.51E-03	1.10E-02	1.02E-02	1.06E-02	1.18E-02	5.40E-03	-2.11E-03	-2.57E-03
2 Truck Static Position 6	6	12:46	8.27E-03	9.05E-03	9.31E-03	9.74E-03	7.58E-03	9.78E-03	8.60E-03	8.37E-03	9.33E-03	5.62E-03	-1.92E-03	-2.12E-03
2 Truck Static Position 7	7	12:47	8.20E-04	5.30E-04	-9.06E-04	-4.08E-04	-4.50E-04	2.26E-04	-2.28E-03	-6.92E-04	-5.70E-04	9.67E-04	-2.37E-04	-3.24E-04
Zero v5		12:48												
Dynamic at 5 mph		12:49	7.73E-03	9.21E-03	6.63E-03	7.56E-03	6.19E-03	8.87E-03	-8.03E-03	3.68E-03	3.79E-03	5.95E-03	9.75E-03	9.48E-03
Dynamic at 1 mph		12:50	7.30E-03	8.33E-03	7.95E-03	7.99E-03	7.06E-03	9.30E-03	-8.90E-03	4.11E-03	3.79E-03	5.95E-03	9.75E-03	9.92E-03

Culvert	N0793
Test Date	5-Apr-13
LVDT Excitation (Vext)	10.4

Load, p (lb)	59,660
Cell Width, L (ft)	14
Slab Thickness, d (in.)	10
Normalization Factor, pL/d^2 (lb/in.)	100229

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		1:09												
Zero v2		1:10												
Static Position 1	1	1:12	0.0031	0.0022	0.0036	0.0024	0.0008	-0.0002	0.0015	0.0006	-0.0001	0.0020	0.0161	0.0195
Static Position 2	2	1:13	0.0014	0.0006	0.0016	0.0005	-0.0005	-0.0002	0.0007	0.0001	0.0000	0.0013	0.0146	0.0182
Static Position 3	3	1:14	0.0029	0.0033	0.0034	0.0038	0.0036	-0.0001	0.0028	0.0015	0.0006	0.0028	0.0050	0.0059
Static Position 4	4	1:15	0.0120	0.0118	0.0153	0.0169	0.0143	-0.0001	0.0098	0.0060	0.0007	0.0070	-0.0023	-0.0024
Static Position 5	5	1:15	0.0141	0.0135	0.0183	0.0190	0.0154	-0.0001	0.0112	0.0069	0.0007	0.0077	-0.0028	-0.0031
Static Position 6	6	1:16	0.0138	0.0125	0.0177	0.0180	0.0138	-0.0001	0.0106	0.0066	0.0007	0.0073	-0.0027	-0.0029
Static Position 7	7	1:17	0.0058	0.0044	0.0072	0.0066	0.0046	-0.0001	0.0041	0.0027	0.0001	0.0032	-0.0014	-0.0014
Zero v3		1:18												
Dynamic at 1 mph		1:19	0.0140	0.0165	0.0190	0.0195	0.0164	0.0019	0.0147	0.0100	0.0019	0.0084	0.0157	0.0197
Dynamic at 5 mph		1:20	0.0140	0.0153	0.0171	0.0178	0.0148	0.0013	0.0105	0.0065	0.0013	0.0079	0.0167	0.0201
Zero v4 (End of 5 mph)		1:21												

Culvert	L0525
Test Date	7-Dec-12
LVDT Excitation (Vext)	10.4

Load, p (lb)	50,800
Cell Width, L (ft)	12
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	60456

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		13:28												
Static Position 1	1	13:36	0.0006	0.0024	0.0009	0.0009	0.0001	0.0009	0.0006	0.0007	0.0000	0.0062	0.0056	0.0053
Static Position 3	3	13:40	0.0011	0.0032	0.0014	0.0020	0.0015	0.0021	0.0012	0.0010	0.0000	0.0060	0.0018	0.0017
Static Position 4	4	13:42	0.0048	0.0058	0.0040	0.0056	0.0039	0.0060	0.0022	0.0006	0.0002	0.0069	0.0001	0.0000
Static Position 5	5	13:43	0.0054	0.0063	0.0047	0.0061	0.0041	0.0066	0.0025	0.0008	0.0002	0.0055	-0.0002	-0.0003
Zero v2 (Begin of 5 mph)		13:53												
Dynamic at 5 mph		13:53	0.0061	0.0057	0.0053	0.0061	0.0044	0.0070	0.0052	-0.0061	0.0004	0.0031	0.0057	0.0052
Dynamic at 10 mph		13:54	0.0052	0.0048	0.0044	0.0065	0.0044	0.0061	0.0052	-0.0048	0.0004	0.0026	0.0066	0.0052
Dynamic at 20 mph		13:56	0.0061	0.0061	0.0048	0.0070	0.0052	0.0056	-0.0061	-0.0069	-0.0004	0.0035	0.0057	0.0052
Dynamic at 30 mph		13:57	0.0031	0.0035	0.0053	0.0065	0.0039	0.0056	-0.0061	-0.0069	-0.0004	0.0031	0.0053	0.0052
Zero v3 (End of 30 mph)		13:57												

Culvert	N0502
Test Date	8-Apr-13
LVDT Excitation (Vext)	10.4

Load, p (lb)	59,660
Cell Width, L (ft)	15
Slab Thickness, d (in.)	10.5
Normalization Factor, pL/d^2 (lb/in.)	97404

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		1:55												
Zero v2		1:56												
Static Position 1	1	1:57	0.0039	0.0036	0.0034	0.0033	0.0014	0.0038	0.0016	0.0010	-0.0001	0.0026	0.0122	0.0130
Static Position 2	2	1:58	0.0035	0.0029	0.0027	0.0026	0.0007	0.0030	0.0013	0.0009	-0.0001	0.0024	0.0117	0.0121
Static Position 3	3	1:59	0.0022	0.0026	0.0023	0.0034	0.0022	0.0034	0.0025	0.0019	0.0003	0.0020	0.0041	0.0039
Static Position 4	4	2:00	0.0072	0.0097	0.0087	0.0105	0.0099	0.0104	0.0061	0.0030	0.0008	0.0053	-0.0002	-0.0006
Static Position 5	5	2:01	0.0089	0.0116	0.0106	0.0122	0.0108	0.0121	0.0068	0.0031	0.0009	0.0062	-0.0010	-0.0013
Static Position 6	6	2:02	0.0096	0.0115	0.0108	0.0119	0.0099	0.0120	0.0065	0.0031	0.0009	0.0063	-0.0010	-0.0014
Static Position 7	7	2:03	0.0041	0.0048	0.0042	0.0044	0.0037	0.0042	0.0027	0.0021	0.0003	0.0031	-0.0004	-0.0007
Zero v3		2:04												
Dynamic at 1 mph		2:08	0.0087	0.0118	0.0110	0.0122	0.0100	0.0174	-0.0065	-0.0074	0.0035	0.0061	0.0123	0.0122
Dynamic at 5 mph		2:10	0.0092	0.0114	0.0105	0.0113	0.0100	0.0143	-0.0070	-0.0065	-0.0009	0.0057	0.0114	0.0122
Zero v5 (End of 5 mph)		2:10												

Culvert	N0936
Test Date	17-Dec-12
LVDT Excitation (Vext)	10.4

Load, p (lb)	46,350
Cell Width, L (ft)	12
Slab Thickness, d (in.)	10.5
Normalization Factor, pL/d^2 (lb/in.)	60539

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		13:19												
Static Position 1	1	13:21	0.0004	0.0005	0.0005	0.0004	0.0002	0.0006	-0.0001	-0.0003	-0.0001	0.0000	0.0026	0.0042
Static Position 2	2	13:22	0.0003	0.0005	0.0005	0.0003	0.0002	0.0005	-0.0001	-0.0003	-0.0001	0.0000	0.0025	0.0041
Static Position 3	3	13:24	0.0007	0.0013	0.0009	0.0012	0.0002	0.0014	0.0003	0.0000	-0.0001	0.0005	0.0015	0.0022
Static Position 4	4	13:25	0.0026	0.0035	0.0030	0.0036	-0.0004	0.0038	0.0012	0.0008	0.0000	0.0017	0.0003	0.0001
Static Position 5	5	13:26	0.0027	0.0039	0.0035	0.0040	0.0000	0.0042	0.0015	0.0010	0.0000	0.0019	0.0000	-0.0001
Static Position 6	6	13:27	0.0031	0.0039	0.0037	0.0040	0.0000	0.0041	0.0015	0.0010	0.0000	0.0017	-0.0002	-0.0004
Static Position 7	7	13:30	0.0018	0.0021	0.0023	0.0021	0.0000	0.0022	0.0007	0.0005	0.0000	0.0009	-0.0001	-0.0003
Zero v2		13:33												
Dynamic at 5 mph V1		13:34	0.0031	0.0045	0.0036	0.0041	-0.0013	0.0038	-0.0038	-0.0035	0.0004	0.0041	0.0029	0.0037
Dynamic at 5 mph V2		13:36	0.0031	0.0040	0.0036	0.0041	-0.0013	0.0038	-0.0043	-0.0044	0.0004	0.0041	0.0025	0.0042
Dynamic at 10 mph V1		13:37	0.0026	0.0048	0.0044	0.0043	0.0013	0.0039	-0.0052	-0.0065	0.0004	0.0031	0.0035	0.0044
Dynamic at 10 mph V2		13:37	0.0031	0.0039	0.0044	0.0043	0.0009	0.0043	-0.0048	-0.0056	0.0004	0.0013	0.0026	0.0044
Dynamic at 20 mph		13:40	0.0031	0.0039	0.0044	0.0043	0.0009	0.0043	-0.0052	-0.0056	0.0004	-0.0013	0.0026	0.0039
Zero v3 (End of 20 mph)		13:40												

Culvert	X0749
Test Date	14-May-13
LVDT Excitation (Vext)	10.4

Load, p (lb)	53,690
Cell Width, L (ft)	12
Slab Thickness, d (in.)	12
Normalization Factor, pL/d^2 (lb/in.)	53690

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540		159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310		2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4		10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502		4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		14:32												
Static Position 1	1	14:33	0.0003	0.0005	0.0004	0.0001	0.0009	0.0003	0.0005	0.0001		0.0001	0.0042	0.0036
Static Position 2	2	14:34	0.0002	0.0005	0.0002	0.0002	0.0011	0.0004	0.0007	0.0000		0.0001	0.0036	0.0032
Static Position 3	3	14:35	0.0015	0.0020	0.0010	0.0012	0.0022	0.0018	0.0012	0.0004		0.0013	0.0017	0.0014
Static Position 4	4	14:36	0.0031	0.0035	0.0031	0.0027	-0.0001	0.0025	0.0019	-0.0004		0.0018	-0.0005	-0.0004
Static Position 5	5	14:36	0.0035	0.0039	0.0035	0.0030	0.0003	0.0027	0.0021	-0.0002		0.0019	-0.0009	-0.0006
Static Position 6	6	14:37	0.0035	0.0039	0.0035	0.0029	0.0007	0.0027	0.0021	-0.0001		0.0019	-0.0009	-0.0008
Static Position 7	7	14:38	0.0026	0.0027	0.0026	0.0018	0.0007	0.0015	0.0017	-0.0002		0.0011	-0.0009	-0.0007
Zero v2 (Start of 5 mph)		14:39												
Dynamic at 5 mph		14:39	0.0031	0.0048	0.0040	0.0035	0.0031	0.0039	-0.0048	-0.0048		0.0031	0.0035	0.0039
Dynamic at 1 mph		14:41	0.0026	0.0035	0.0031	0.0035	0.0166	0.0030	-0.0065	-0.0052		0.0026	0.0040	0.0048
Zero v3 (End of 1 mph)		14:43												

Culvert	A2869
Test Date	19-Dec-12
LVDT Excitation (Vext)	10.4

Load, p (lb)	56,600
Cell Width, L (ft)	11
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	61745

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		12:39												
Zero v2		12:40												
Static Position 1	1	12:41	0.0003	0.0001	0.0001	-0.0011	0.0002	0.0003	0.0007	0.0002	0.0001	0.0003	0.0003	0.0015
Static Position 2	2	12:42	0.0003	0.0002	0.0001	-0.0009	0.0001	0.0002	0.0006	0.0002	0.0001	0.0002	0.0001	0.0013
Static Position 3	3	12:43	0.0007	0.0007	0.0001	-0.0003	0.0006	0.0001	0.0009	0.0003	0.0003	0.0005	-0.0003	0.0002
Static Position 4	4	12:43	0.0013	0.0016	0.0005	0.0004	0.0013	0.0002	0.0014	0.0007	0.0008	0.0011	-0.0005	-0.0008
Static Position 5	5	12:44	0.0017	0.0020	0.0002	0.0021	0.0014	0.0000	0.0005	0.0003	0.0010	0.0013	-0.0001	-0.0003
Static Position 6	6	12:45	0.0017	0.0020	0.0002	0.0019	0.0015	-0.0001	0.0006	0.0004	0.0010	0.0014	0.0000	-0.0003
Static Position 7	7	12:46	0.0013	0.0012	0.0002	0.0009	0.0008	0.0000	-0.0001	0.0001	0.0005	0.0009	0.0001	-0.0002
Zero v3		12:48												
Dynamic at 5 mph V1		12:49	0.0017	0.0022	-0.0022	0.0030	0.0017	0.0016	-0.0062	-0.0042	0.0027	0.0014	0.0011	0.0029
Dynamic at 5 mph V2		12:50	0.0017	0.0031	-0.0039	0.0034	0.0017	0.0012	-0.0053	-0.0038	0.0027	0.0019	0.0011	0.0034
Dynamic at 10 mph V1		12:52	0.0022	-0.0026	-0.0018	0.0070	0.0026	-0.0022	0.0079	0.0052	0.0048	-0.0022	-0.0018	-0.0022
Dynamic at 10 mph V2		12:53	0.0022	-0.0026	-0.0018	0.0061	0.0031	-0.0017	0.0083	0.0052	0.0048	-0.0022	-0.0022	0.0022
Dynamic at 20 mph		12:55	0.0017	-0.0026	-0.0013	0.0056	0.0022	-0.0013	0.0087	0.0043	0.0035	-0.0018	-0.0018	0.0022
Zero v4 (End of 20 mph)		12:55												

Culvert	R0015
Test Date	14-Dec-12
LVDT Excitation (Vext)	10.4

Load, p (lb)	50,900
Cell Width, L (ft)	13
Slab Thickness, d (in.)	13.5
Normalization Factor, pL/d^2 (lb/in.)	43569

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		13:19												
Static Position 1	1	13:21	0.0006	0.0004	0.0006	0.0005	0.0004	-0.0003	0.0004	0.0001	0.0004	-0.0007	0.0027	0.0000
Static Position 2	2	13:22	0.0006	0.0005	0.0005	0.0005	0.0004	-0.0003	-0.0001	0.0000	0.0004	-0.0005	0.0025	0.0000
Static Position 4	4	13:24	0.0022	0.0021	0.0019	0.0021	0.0020	-0.0003	0.0001	0.0002	0.0008	0.0006	-0.0004	0.0000
Static Position 5	5	13:25	0.0022	0.0028	0.0021	0.0027	0.0023	-0.0001	0.0029	0.0018	0.0022	0.0016	0.0000	0.0000
Static Position 6	6	13:26	0.0022	0.0027	0.0023	0.0028	0.0023	-0.0001	0.0028	0.0018	0.0022	0.0015	-0.0001	0.0000
Static Position 7	7	13:27	0.0015	0.0018	0.0017	0.0020	0.0015	-0.0001	0.0026	0.0015	0.0017	0.0008	-0.0002	0.0000
Zero v2		13:30												
Static Position 3	3	13:32	0.0013	0.0016	0.0010	0.0012	0.0012	-0.0001	0.0019	0.0006	0.0004	0.0005	0.0015	0.0001
Zero v3		13:33												
Dynamic at 5 mph V1		13:34	0.0026	0.0028	0.0046	0.0033	0.0035	-0.0029	0.0049	0.0043	0.0041	-0.0024	0.0032	-0.0003
Dynamic at 5 mph V2		13:36	0.0026	0.0028	0.0046	0.0028	0.0031	-0.0086	0.0045	0.0047	0.0045	-0.0019	0.0032	-0.0003
Dynamic at 10 mph V1		13:37	0.0026	0.0028	0.0046	0.0033	0.0040	-0.0116	-0.0034	0.0043	0.0041	-0.0019	0.0023	-0.0003
Dynamic at 10 mph V2		13:37	0.0026	0.0035	0.0057	0.0030	0.0035	0.0035	0.0057	0.0052	0.0062	-0.0026	0.0035	-0.0004
Dynamic at 20 mph		13:40	0.0026	0.0031	0.0035	0.0030	0.0026	0.0030	0.0039	0.0043	0.0048	-0.0035	0.0035	-0.0004
Zero v4 (End of 20 mph)		13:40												

Culvert	N0059
Test Date	15-May-13
LVDT Excitation (Vext)	10.4

Load, p (lb)	45,880
Cell Width, L (ft)	10
Slab Thickness, d (in.)	11
Normalization Factor, pL/d^2 (lb/in.)	45501

	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540		159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310		2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4		10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502		4.553	4.567	4.543

Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		12:53												
Static Position 1	1	12:54	0.0003	0.0004	0.0002	0.0007	0.0006	-0.0002	0.0004	0.0000		0.0002	0.0015	0.0024
Static Position 2	2	12:55	0.0005	0.0005	0.0003	0.0007	0.0007	-0.0002	0.0004	0.0001		0.0002	0.0014	0.0022
Static Position 3	3	12:56	0.0012	0.0009	0.0007	0.0014	0.0014	0.0004	0.0008	0.0002		0.0003	0.0009	0.0015
Static Position 4	4	12:57	0.0016	0.0013	0.0012	0.0019	0.0015	0.0009	0.0011	0.0004		0.0005	0.0002	0.0005
Static Position 5	5	12:58	0.0013	0.0015	0.0015	0.0020	0.0012	0.0014	0.0016	0.0006		0.0009	0.0004	-0.0003
Static Position 6	6	12:59	0.0013	0.0015	0.0016	0.0019	0.0012	0.0012	0.0016	0.0006		0.0010	0.0002	-0.0003
Static Position 7	7	13:00	0.0009	0.0011	0.0012	0.0014	0.0007	0.0007	0.0014	0.0005		0.0008	0.0001	-0.0003
Zero v2		13:03												
Dynamic at 5 mph		13:03	0.0013	0.0021	0.0017	0.0023	0.0020	0.0033	-0.0039	-0.0037		0.0014	0.0024	0.0024
Dynamic at 1 mph		13:04	0.0013	-0.0018	-0.0013	0.0022	0.0022	-0.0043	-0.0048	-0.0048		0.0018	-0.0022	-0.0026
Zero v3 (End of 1 mph)		13:05												

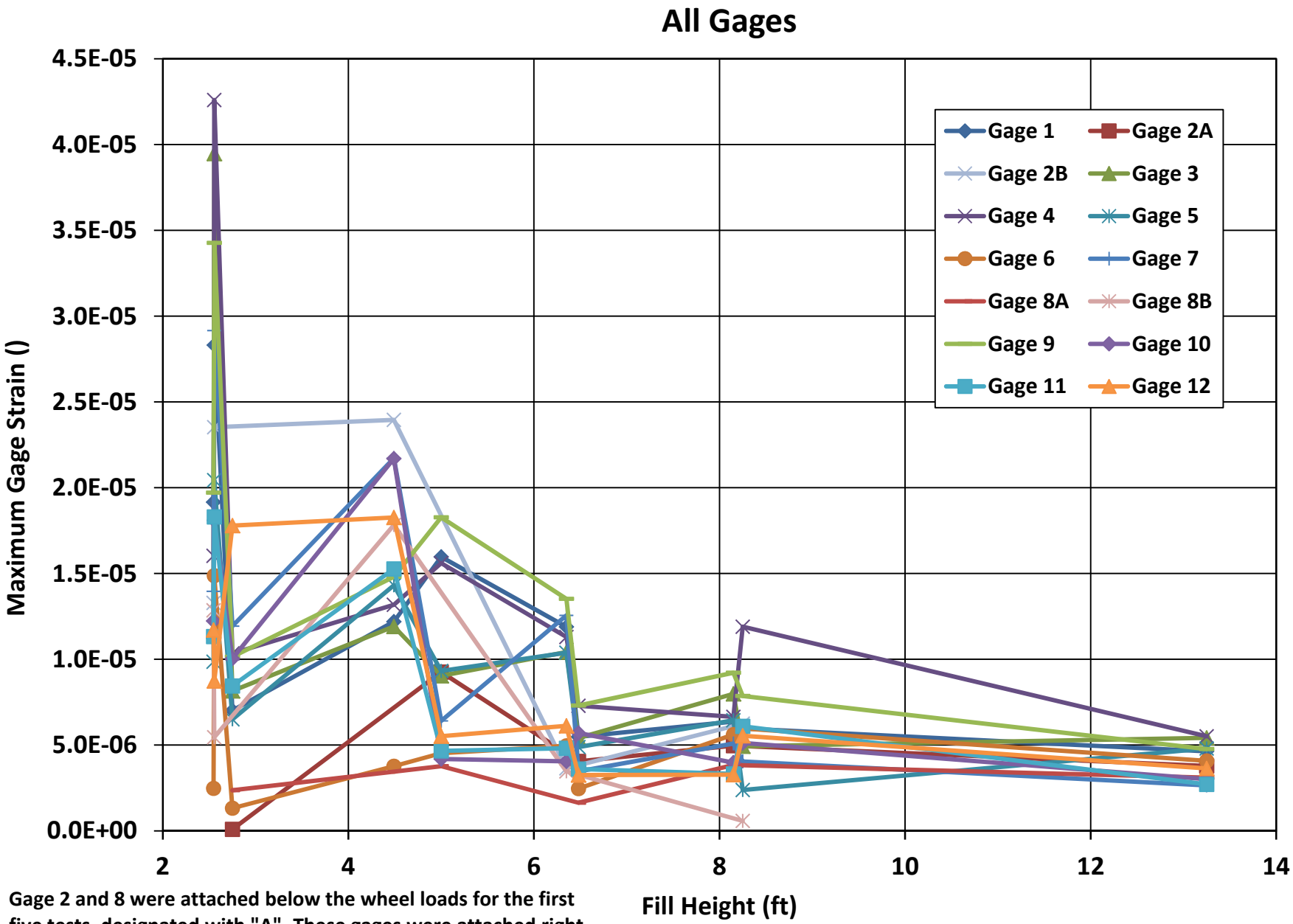
Culvert	P0622
Test Date	11-Dec-12
LVDT Excitation (Vext)	10.4

Load, p (lb)	54,560
Cell Width, L (ft)	12
Slab Thickness, d (in.)	15.5
Normalization Factor, pL/d^2 (lb/in.)	32702

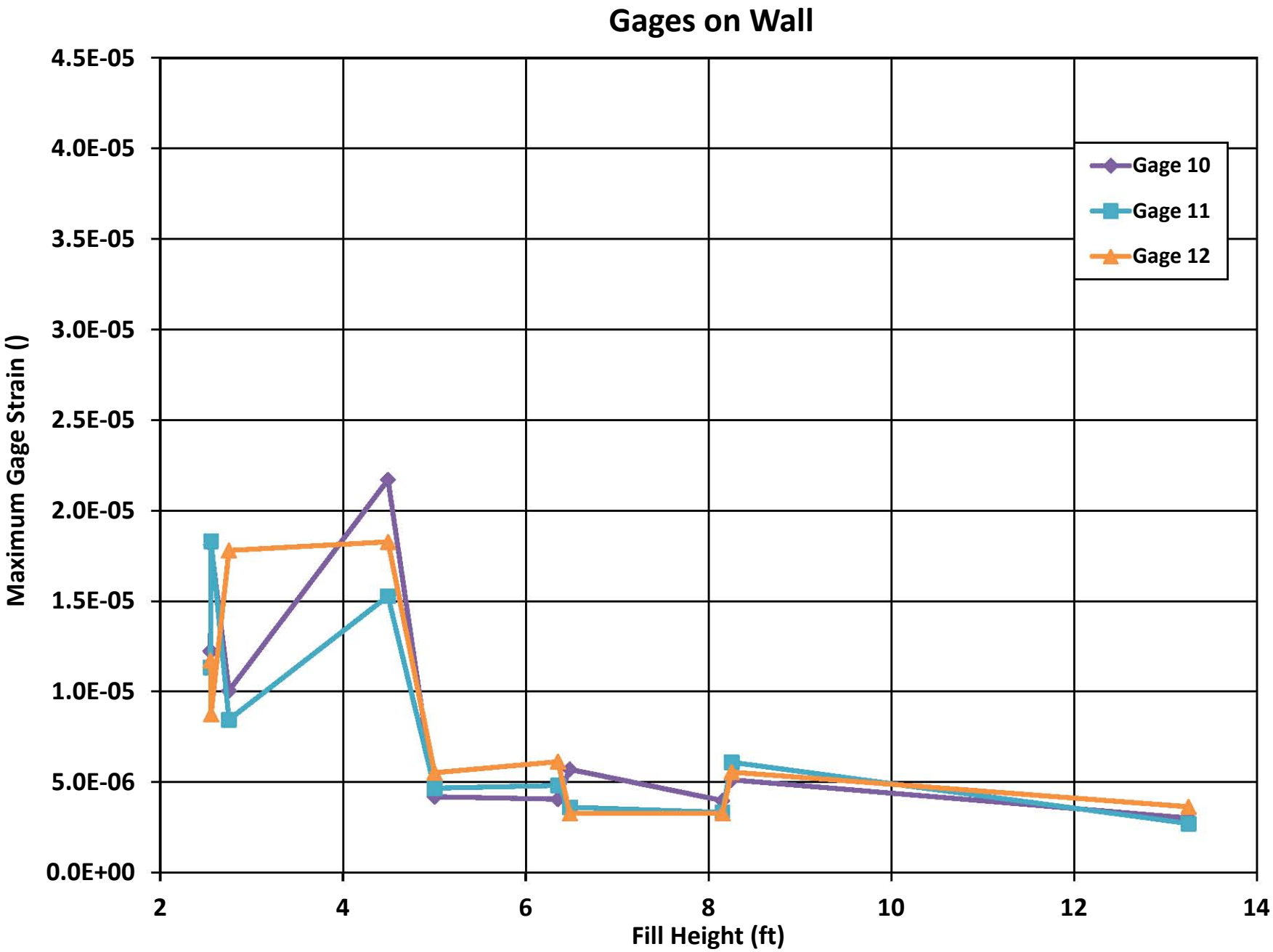
	LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Serial Number	157497	157498	158147	158148	158149	158150	159539	159540	159541	159542	159543	159544
Calibration Sensitivity (Vout/in.)	2.289	2.281	2.276	2.302	2.293	2.301	2.291	2.310	2.269	2.284	2.277	2.289
Calibration Excitation (Vext-cal)	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Calibraton Factor (in.*Vext/Vout)	4.543	4.559	4.569	4.518	4.536	4.520	4.540	4.502	4.584	4.553	4.567	4.543

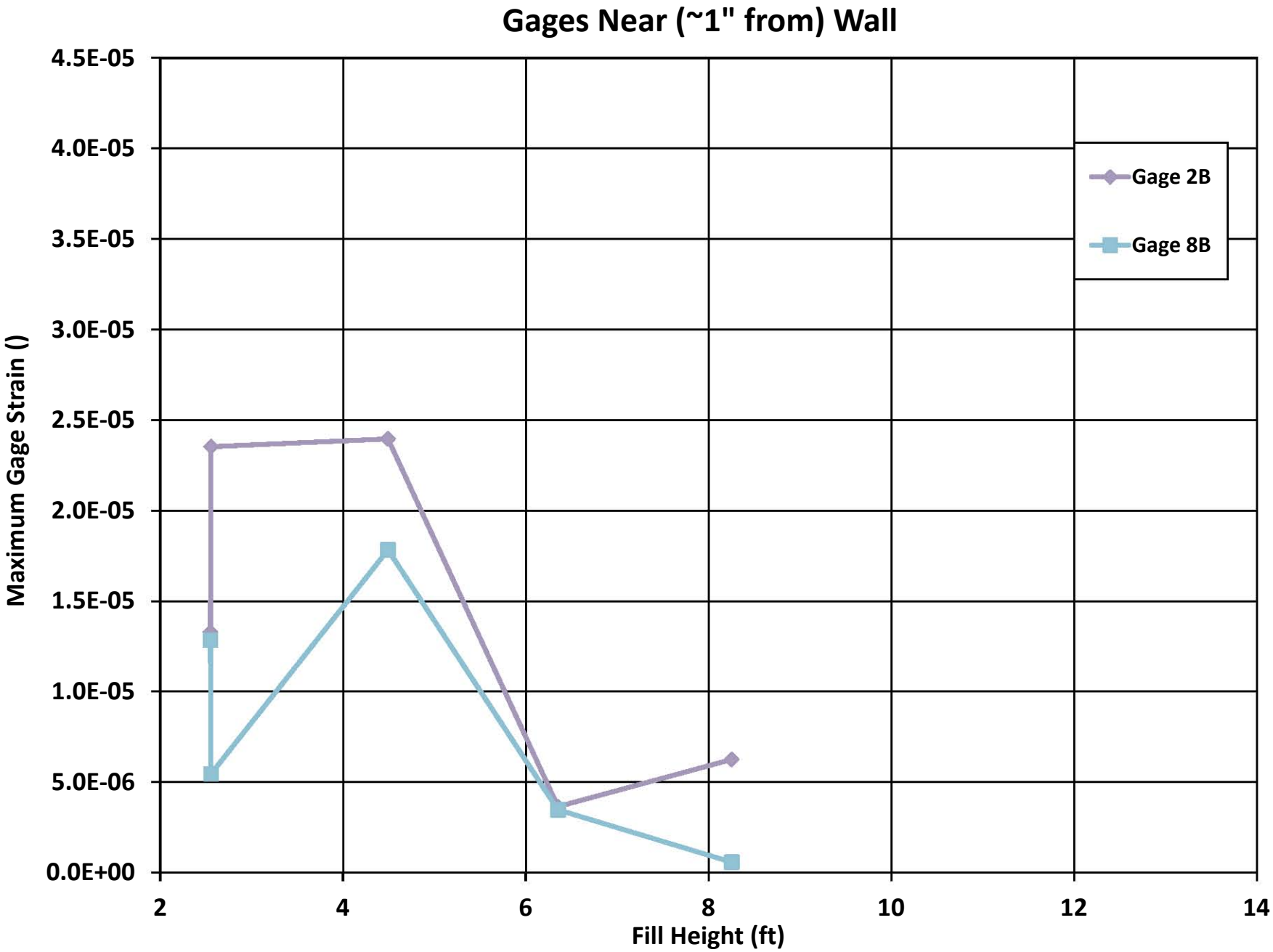
Data Set	Wheel Position	Time	Displacement (in.)											
			LVDT 1	LVDT 2	LVDT 3	LVDT 4	LVDT 5	LVDT 6	LVDT 7	LVDT 8	LVDT 9	LVDT 10	LVDT 11	LVDT 12
Zero v1		13:33												
Zero v2		13:52												
Static Position 1	1	13:53	0.0000	0.0000	0.0008	0.0007	-0.0001	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Static Position 2	2	13:54	0.0000	0.0000	0.0009	0.0008	-0.0001	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Static Position 3	3	13:55	0.0000	0.0000	0.0009	0.0006	0.0019	0.0007	0.0004	0.0003	0.0000	0.0000	0.0001	0.0000
Zero v3		13:58												
Static Position 4	4	14:00	0.0000	0.0000	0.0011	0.0007	0.0008	0.0009	0.0004	0.0003	0.0000	0.0000	0.0001	0.0000
Static Position 5	5	14:01	0.0000	0.0000	0.0012	0.0008	0.0007	0.0011	0.0004	0.0003	0.0000	0.0000	0.0001	0.0000
Static Position 6	6	14:02	0.0000	0.0000	0.0009	0.0009	0.0020	0.0007	0.0011	0.0011	0.0000	0.0000	-0.0001	0.0000
Static Position 7	7	14:03	0.0000	0.0000	0.0009	0.0008	0.0016	0.0006	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
Zero v4		14:06												
Dynamic at 5 mph V1		14:07	0.0004	0.0004	0.0023	0.0022	-0.0019	0.0040	0.0034	0.0034	0.0004	0.0000	0.0008	0.0004
Dynamic at 5 mph V2		14:09	0.0004	0.0004	0.0018	0.0017	-0.0019	0.0049	0.0034	0.0034	0.0000	0.0004	-0.0005	0.0004
Dynamic at 10 mph V1		14:10	0.0004	0.0000	0.0018	0.0013	-0.0019	0.0031	0.0034	0.0034	0.0000	0.0000	0.0012	0.0004
Dynamic at 10 mph V2		14:15	0.0000	0.0004	0.0018	0.0017	0.0013	-0.0013	-0.0039	-0.0039	0.0000	0.0004	-0.0013	0.0004
Dynamic at 20 mph		14:16	0.0000	0.0004	0.0026	0.0026	0.0017	-0.0043	-0.0031	-0.0030	0.0000	0.0000	0.0013	0.0004
Zero v5 (End of 20 mph)		14:16												

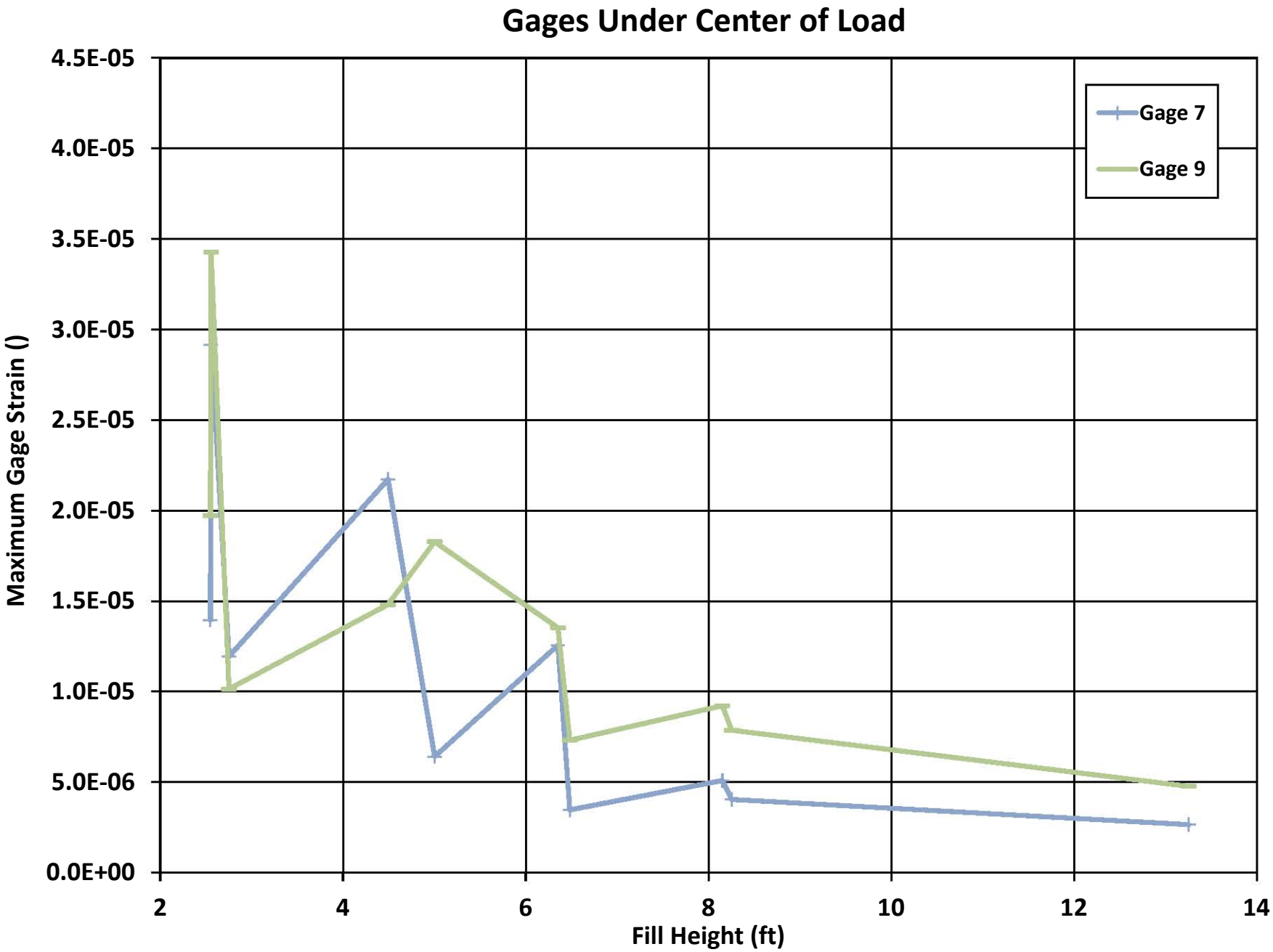
Plots of Strain and Displacement for all Wheel Positions

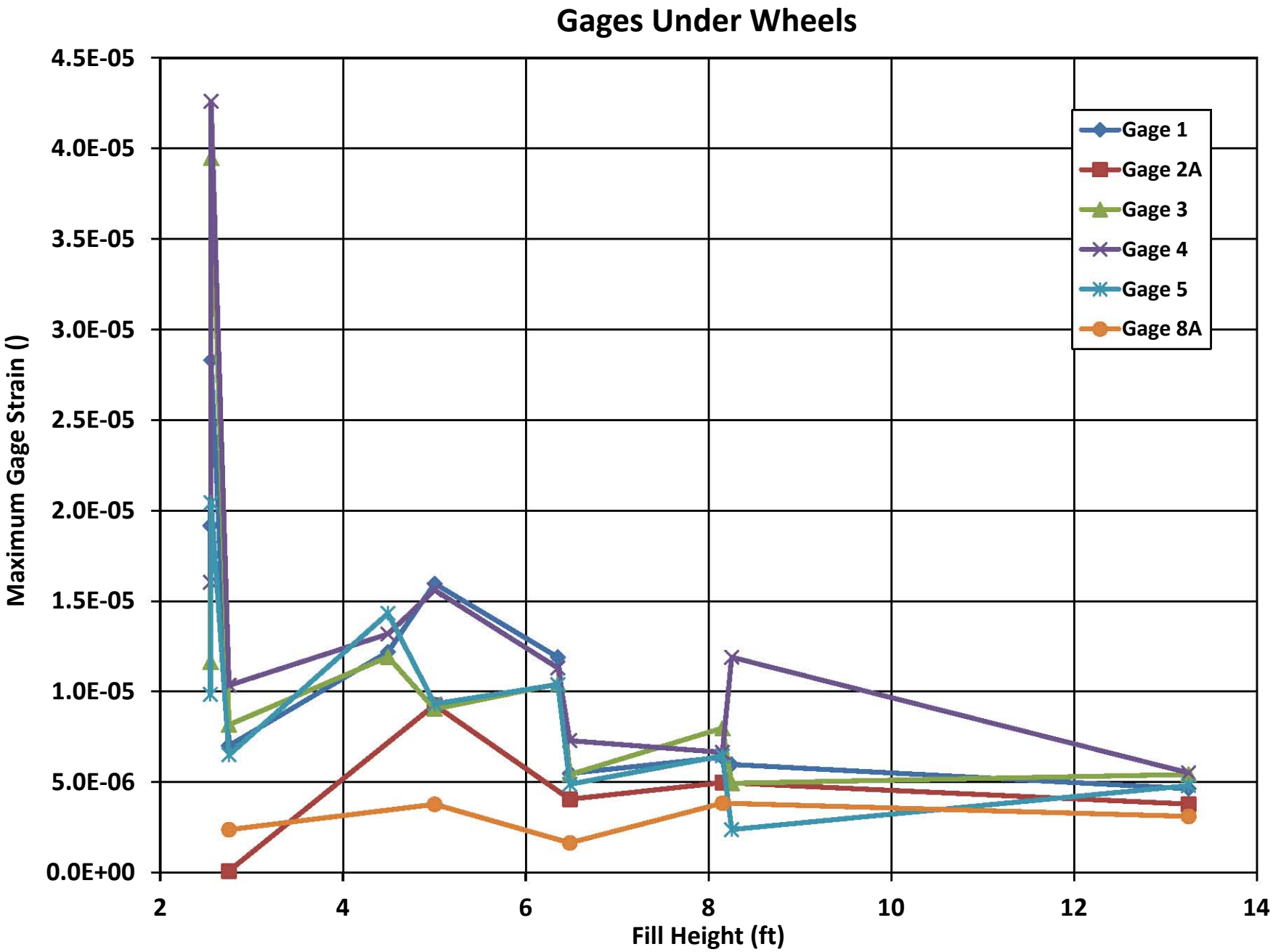


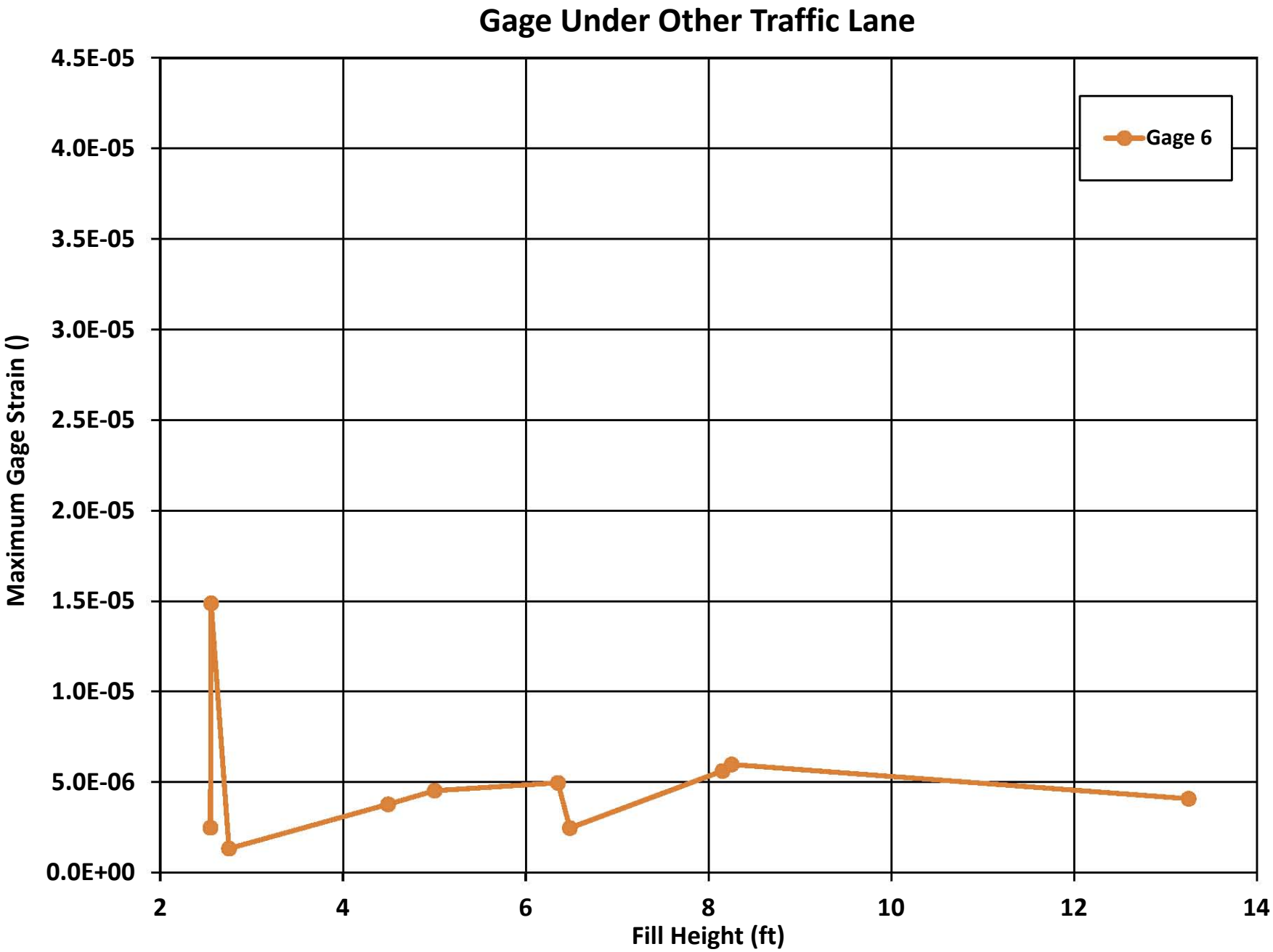
Gage 2 and 8 were attached below the wheel loads for the first five tests, designated with "A". These gages were attached right next to the walls for the second five tests, designated with "B".

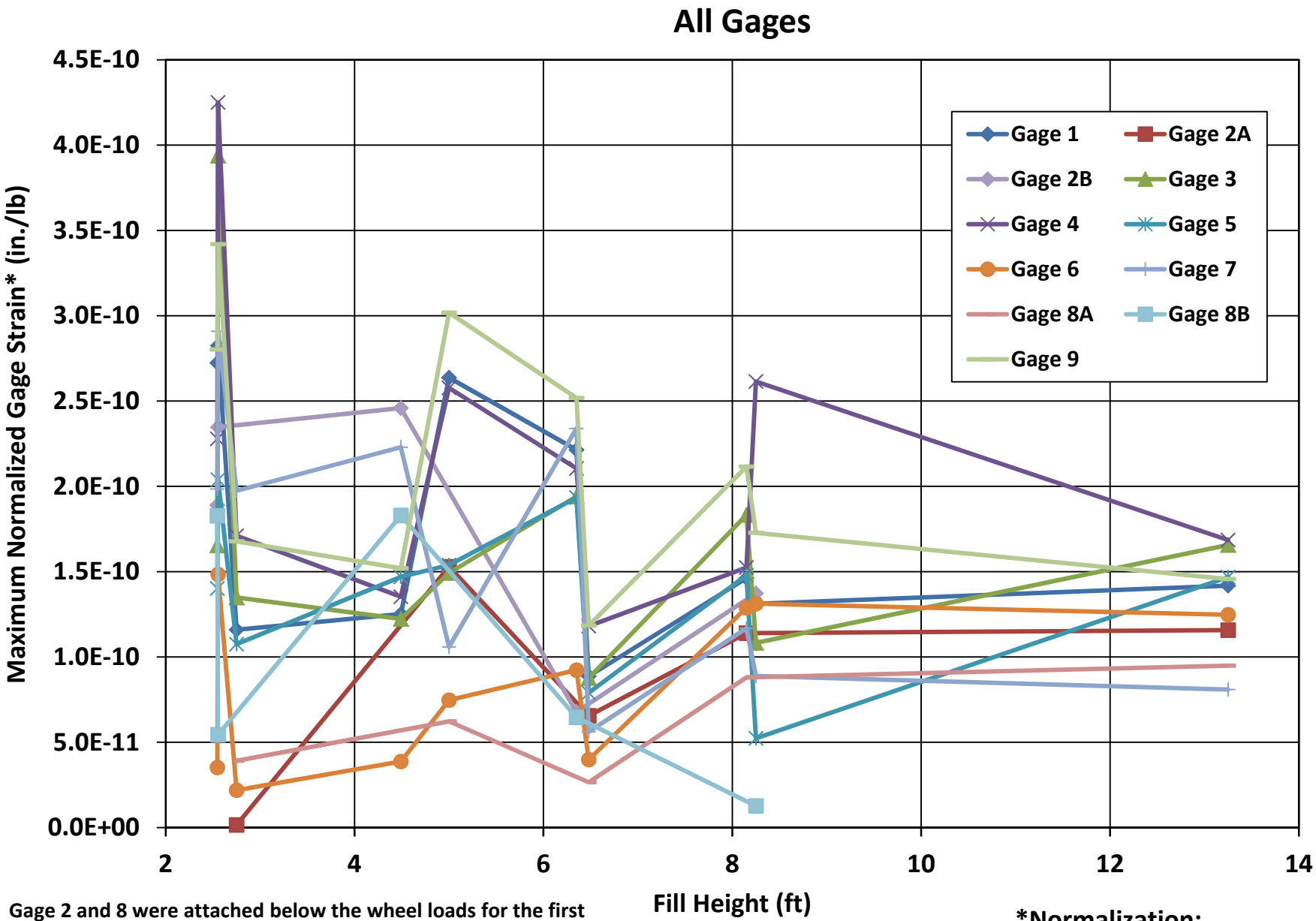

Gages on Wall
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
Maximum Gage Strain ()
2
4
6
8
10
12
14
Fill Height (ft)
Gage 10
Gage 11
Gage 12


Gages Near (~1" from) Wall
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
Maximum Gage Strain ()
2
4
6
8
10
12
14
Fill Height (ft)
Gage 2B
Gage 8B


Gages Under Center of Load
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
Maximum Gage Strain ()
2
4
6
8
10
12
14
Fill Height (ft)
Gage 7
Gage 9

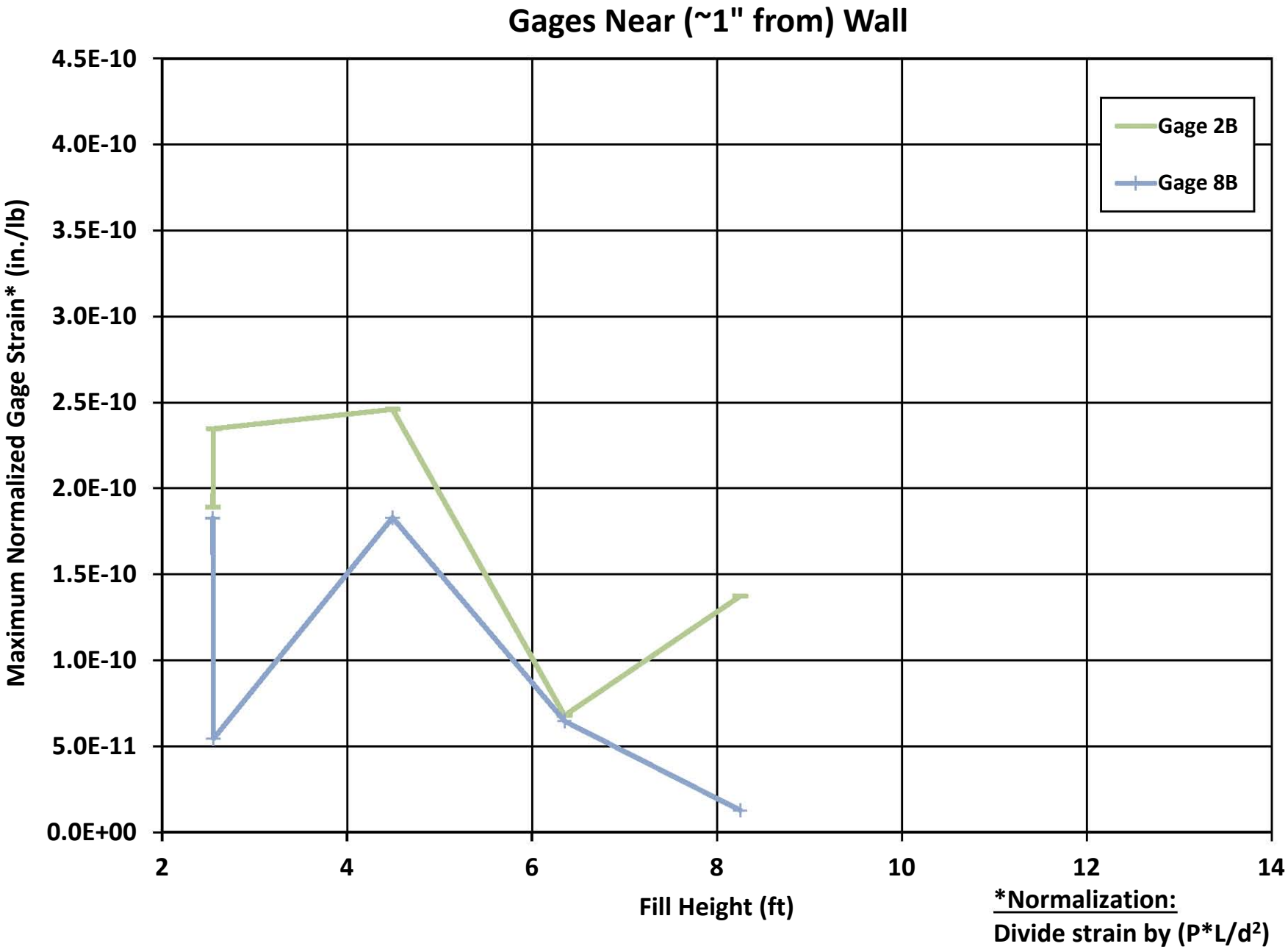

Gages Under Wheels
Maximum Gage Strain ()
Fill Height (ft)
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
2
4
6
8
10
12
14
Gage 1
Gage 2A
Gage 3
Gage 4
Gage 5
Gage 8A

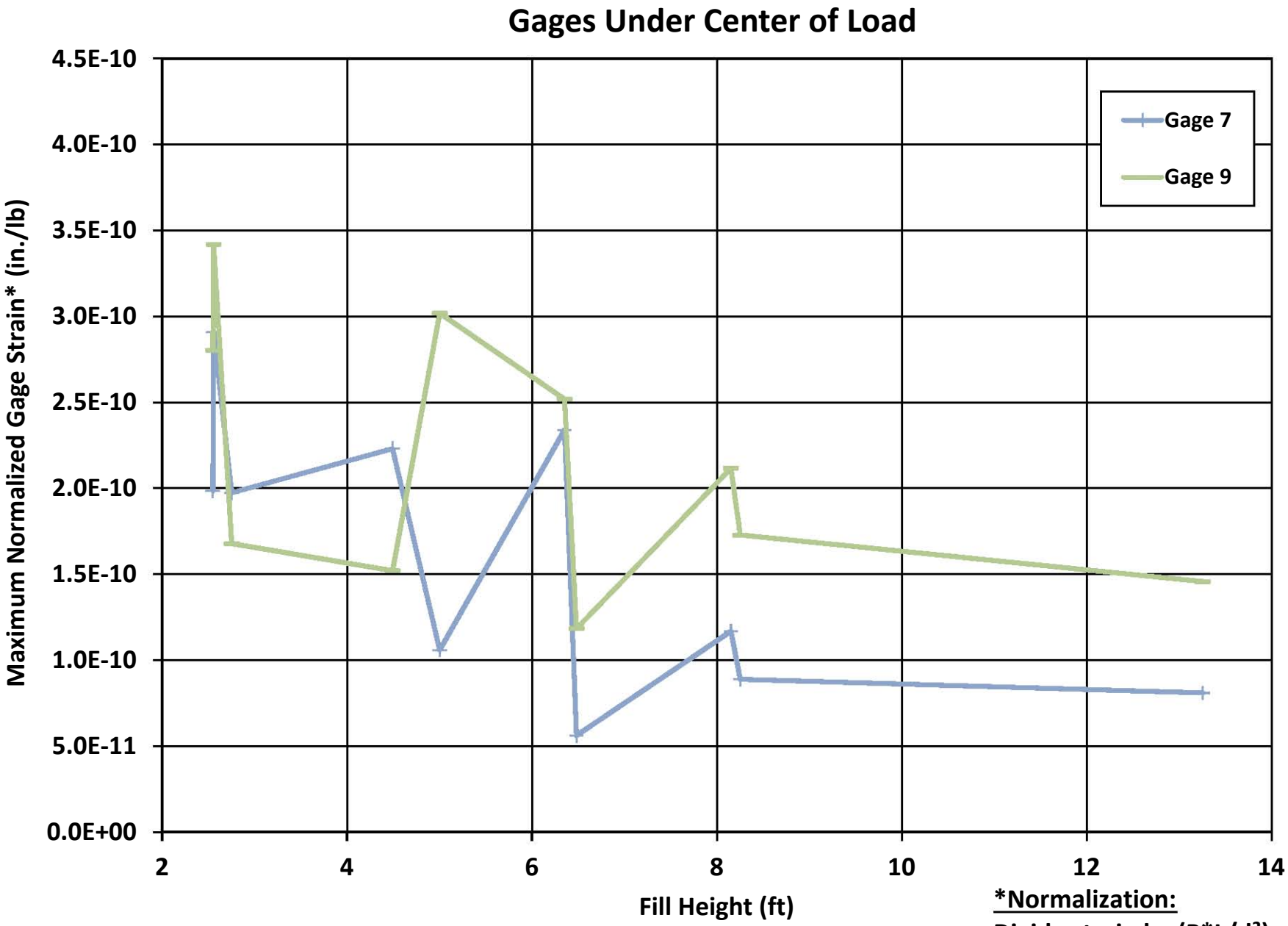

Gage Under Other Traffic Lane
Gage 6
Maximum Gage Strain ()
4.5E-05
4.0E-05
3.5E-05
3.0E-05
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)



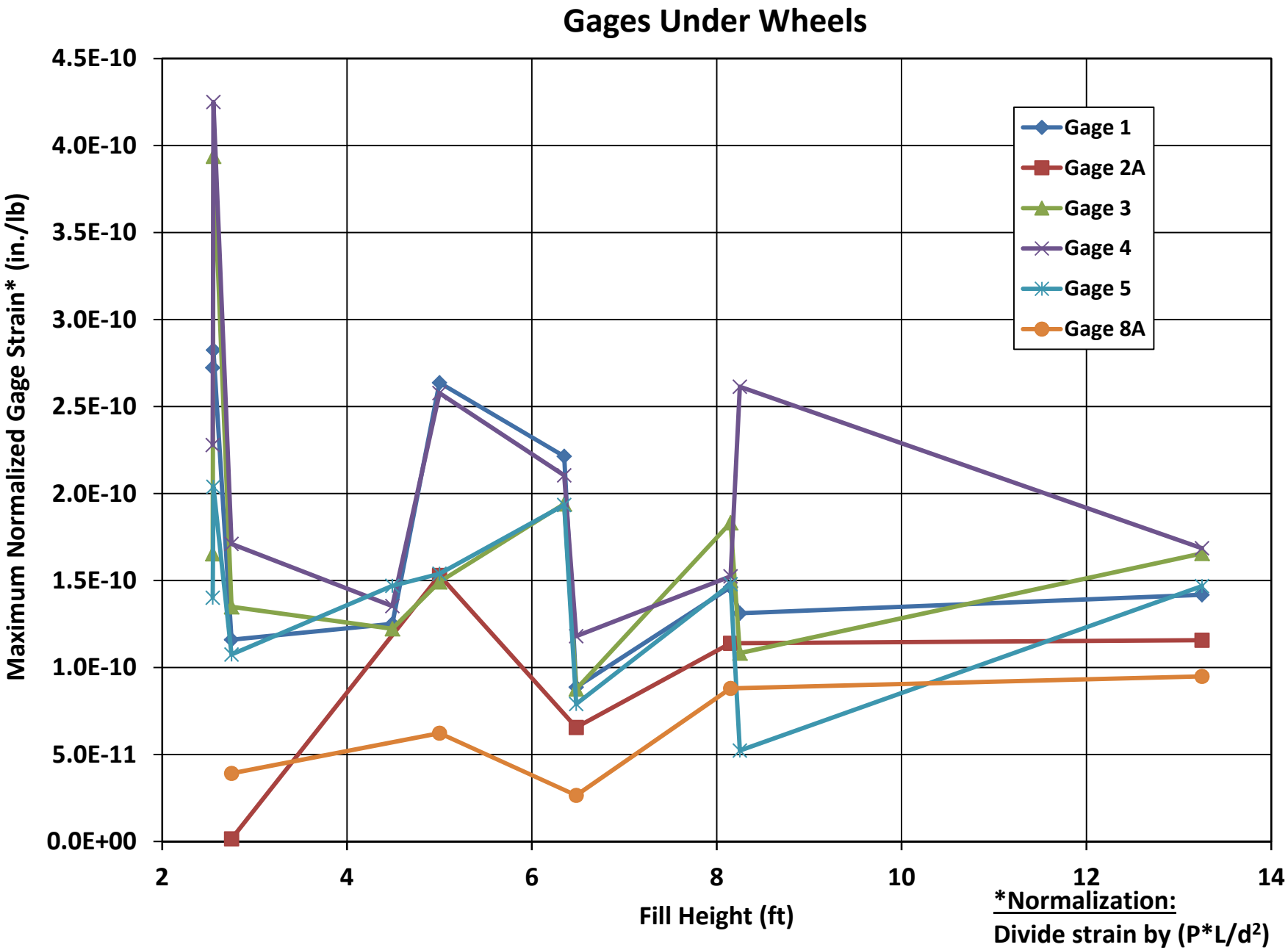
Gage 2 and 8 were attached below the wheel loads for the first five tests, designated with "A". These gages were attached right next to the walls for the second five tests, designated with "B".

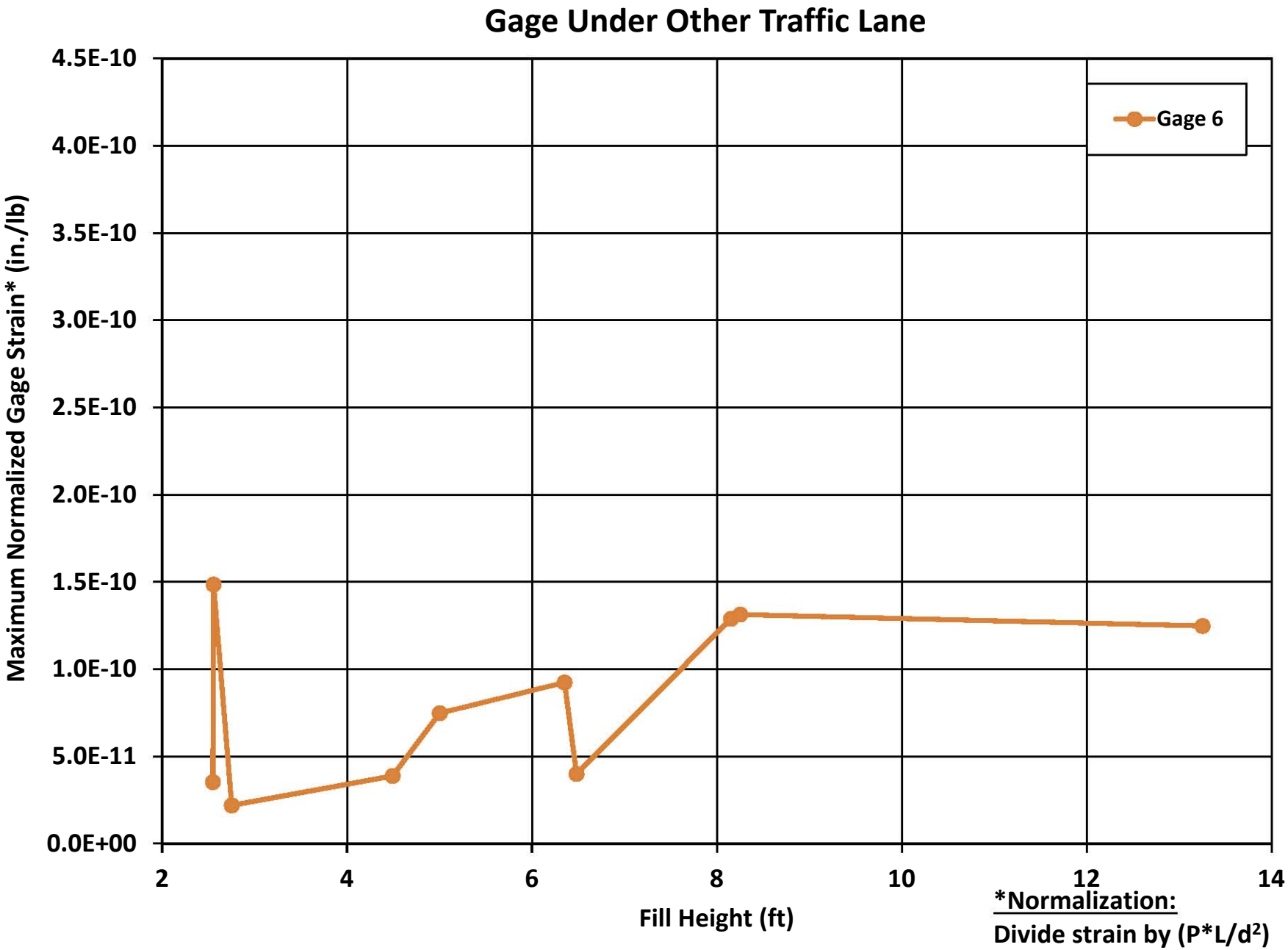
***Normalization:**
Divide strain by ($P*L/d^2$)

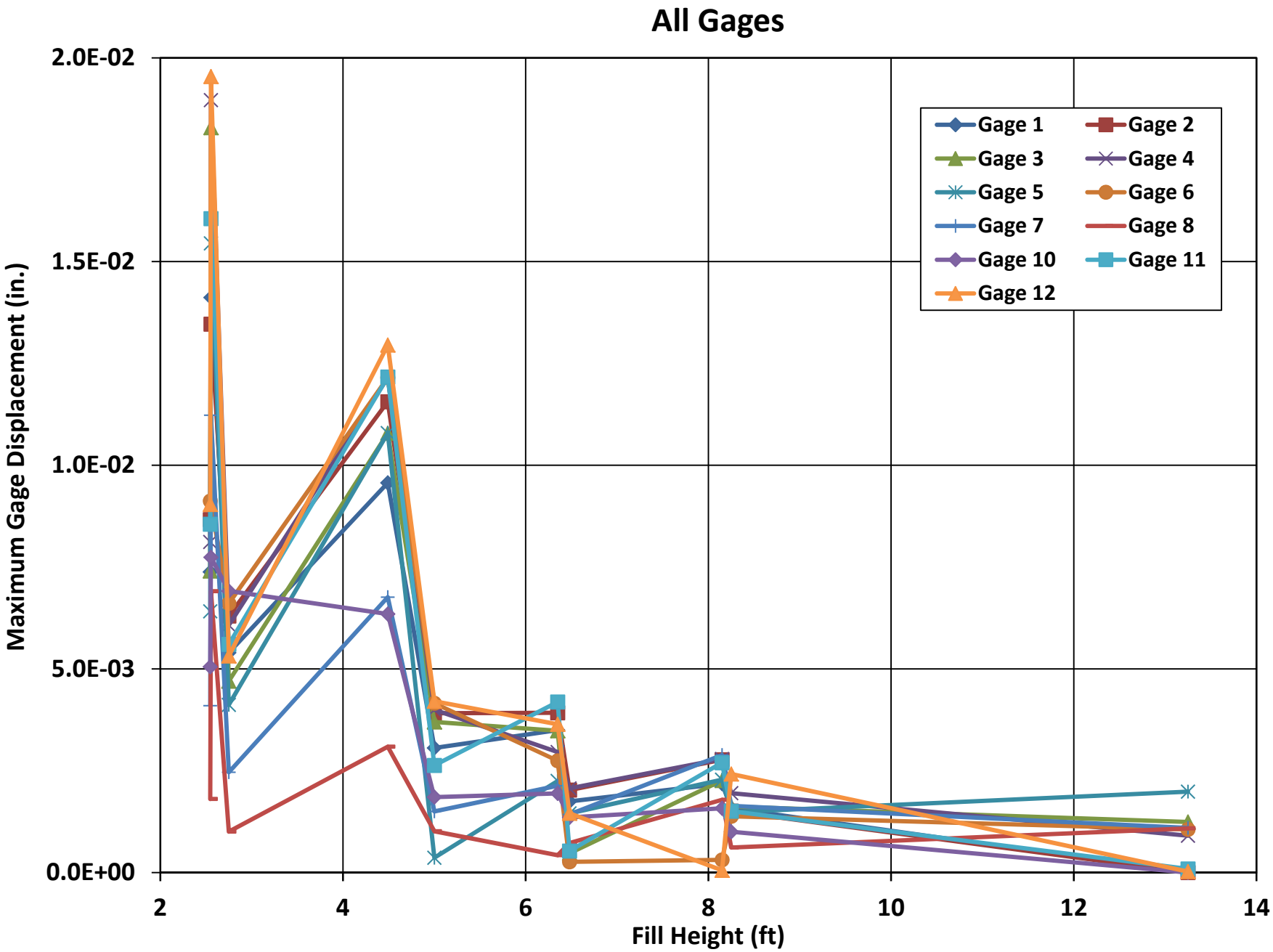

Gages Near (~1" from) Wall
Maximum Normalized Gage Strain* (in./lb)
4.5E-10
4.0E-10
3.5E-10
3.0E-10
2.5E-10
2.0E-10
1.5E-10
1.0E-10
5.0E-11
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)
Gage 2B
Gage 8B
*Normalization:
Divide strain by (P*L/d²)

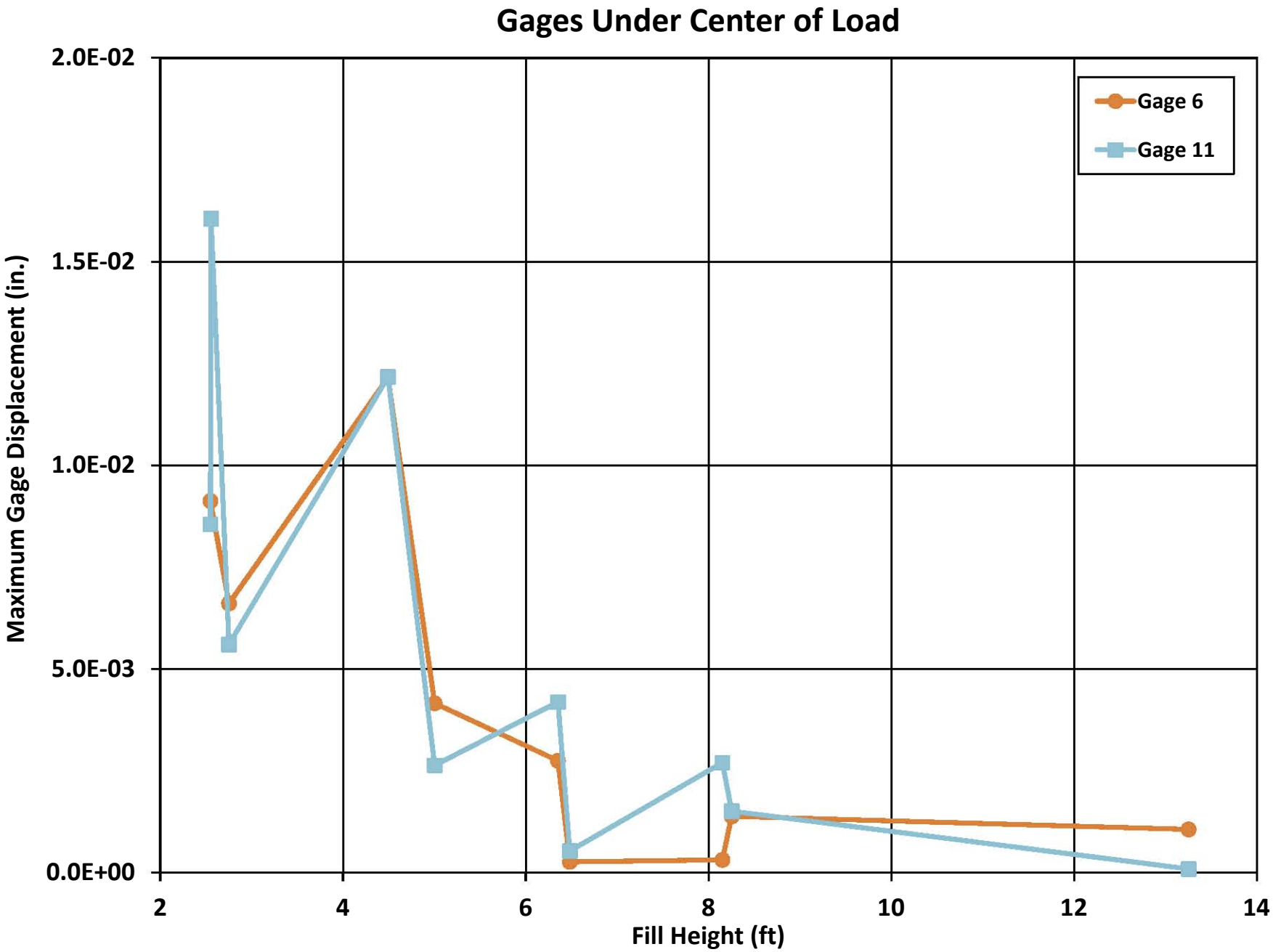


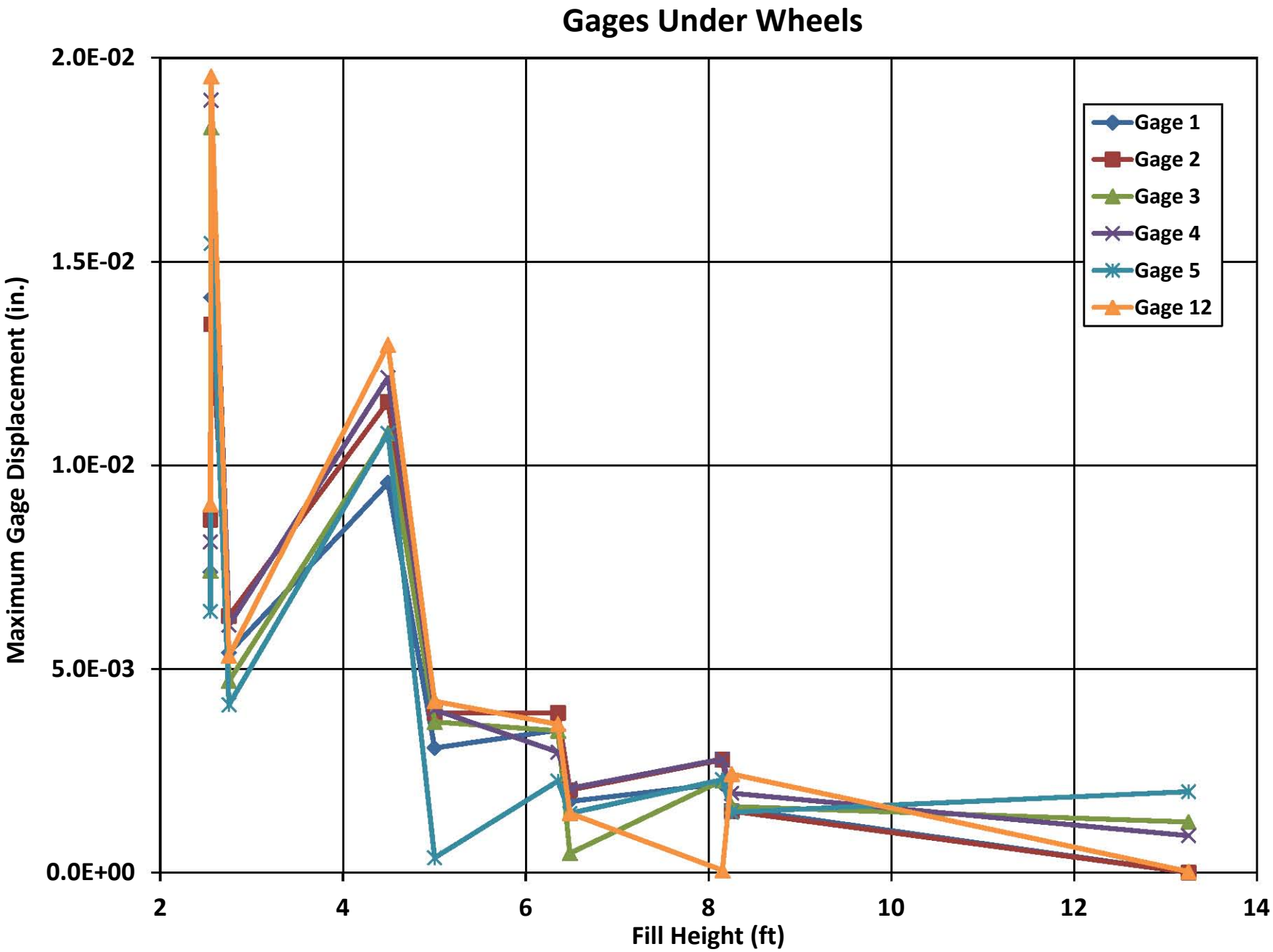
*Normalization:
Divide strain by ($P*L/d^2$)

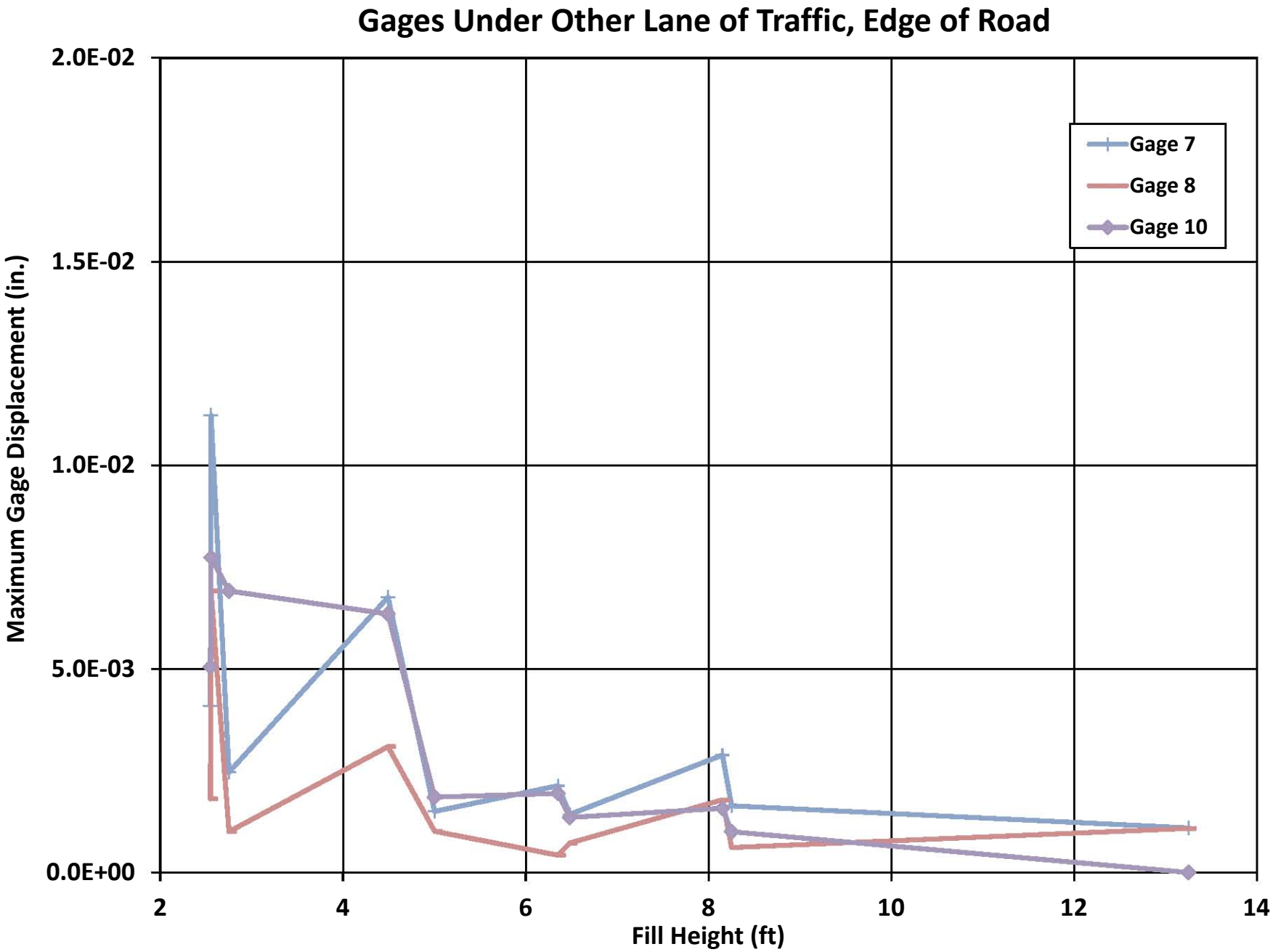

Gages Under Wheels
Maximum Normalized Gage Strain* (in./lb)
4.5E-10
4.0E-10
3.5E-10
3.0E-10
2.5E-10
2.0E-10
1.5E-10
1.0E-10
5.0E-11
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)
Gage 1
Gage 2A
Gage 3
Gage 4
Gage 5
Gage 8A
*Normalization:
Divide strain by (P*L/d²)

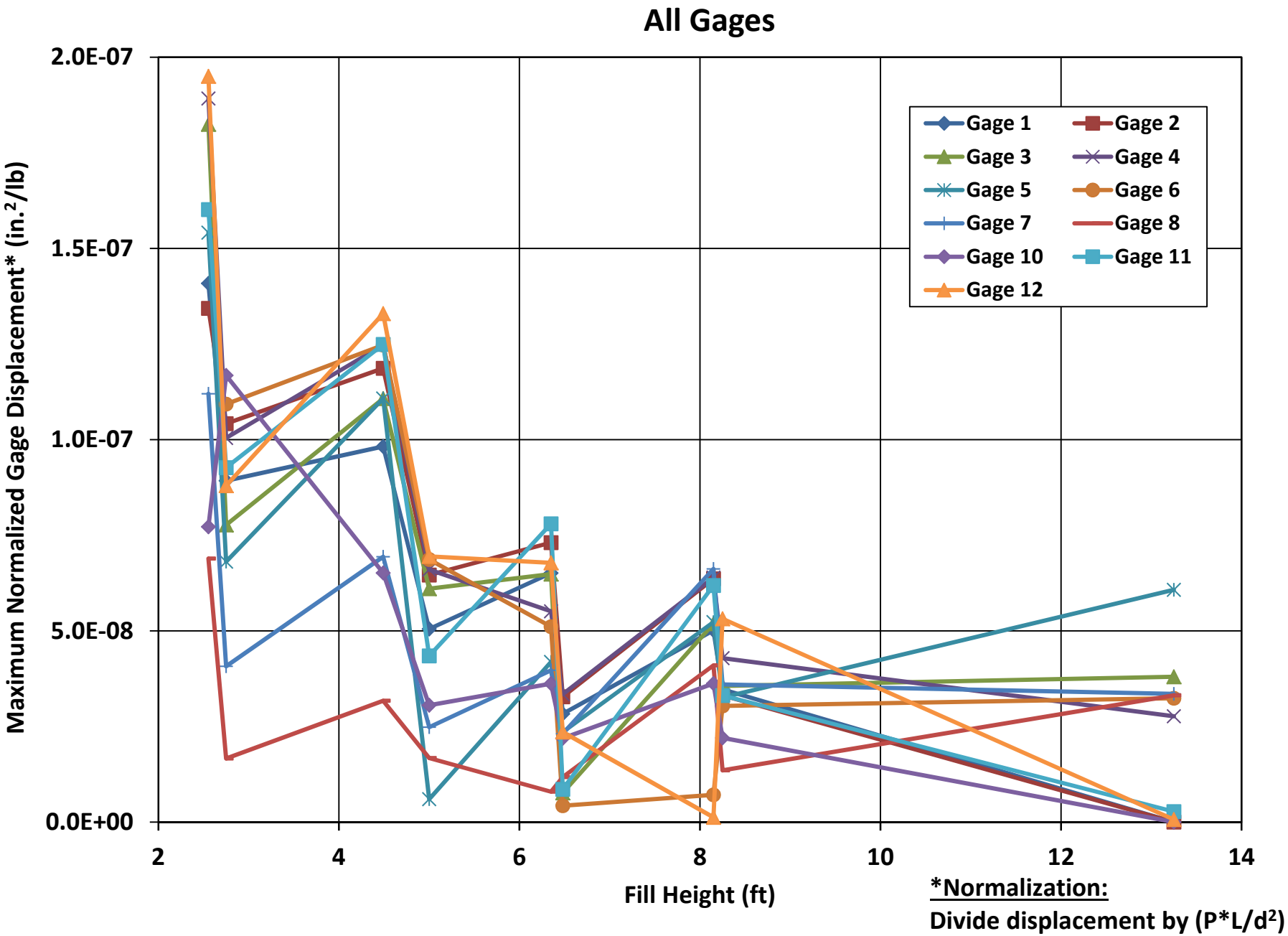

Gage Under Other Traffic Lane
Maximum Normalized Gage Strain* (in./lb)
4.5E-10
4.0E-10
3.5E-10
3.0E-10
2.5E-10
2.0E-10
1.5E-10
1.0E-10
5.0E-11
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)
Gage 6
*Normalization:
Divide strain by (P*L/d²)

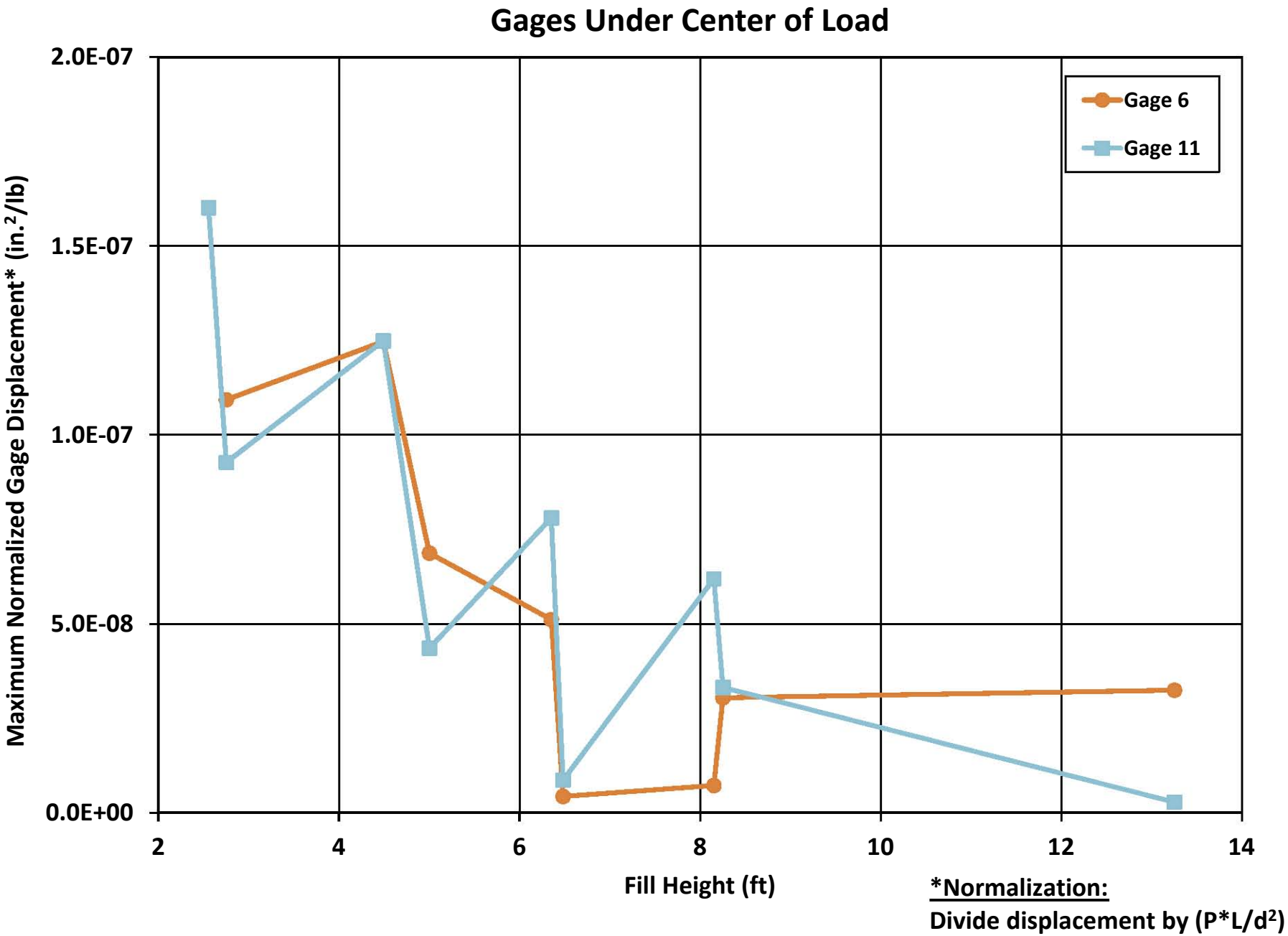

All Gages
Maximum Gage Displacement (in.)
2.0E-02
1.5E-02
1.0E-02
5.0E-03
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)
Gage 1
Gage 2
Gage 3
Gage 4
Gage 5
Gage 6
Gage 7
Gage 8
Gage 10
Gage 11
Gage 12

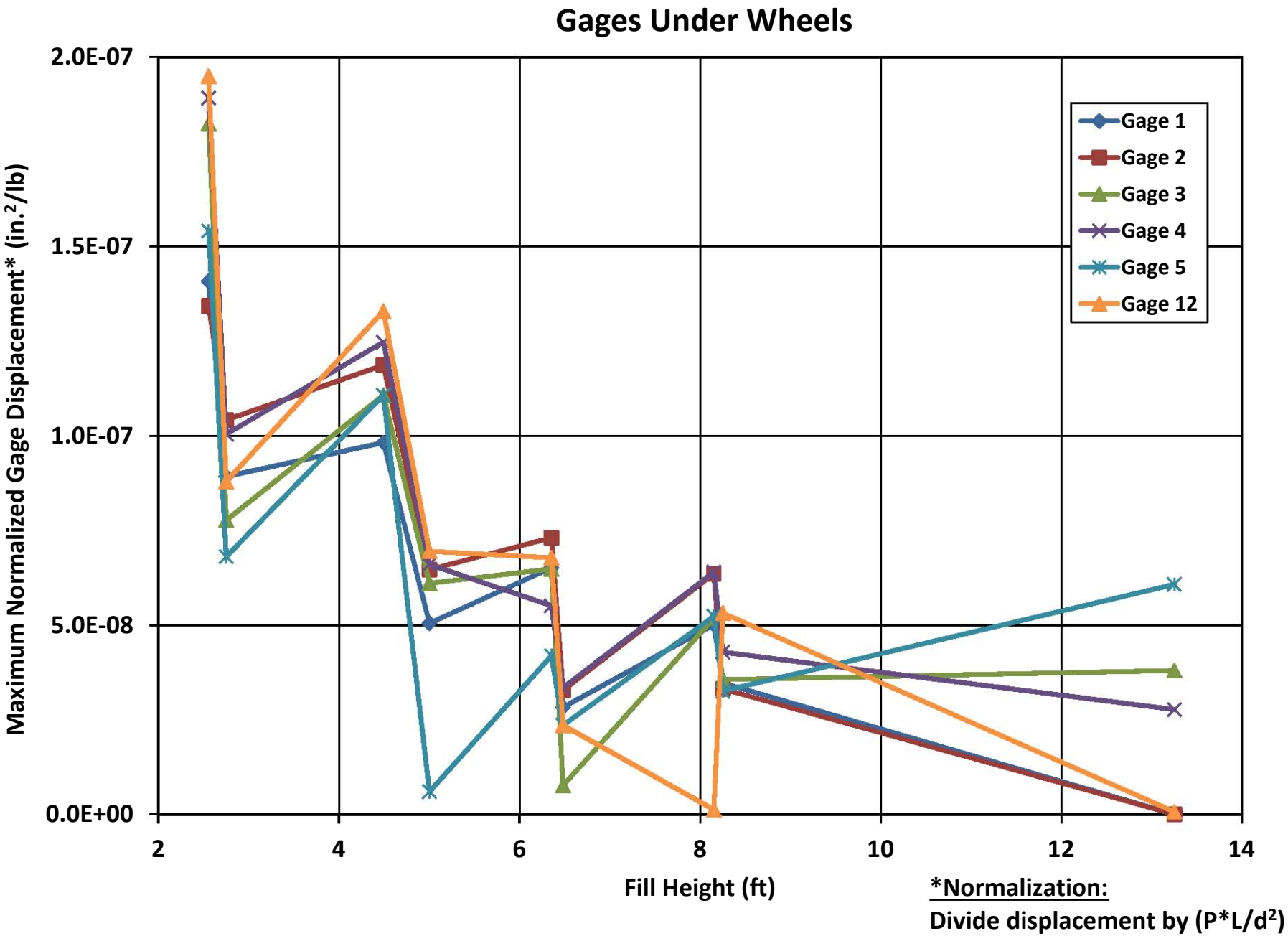

Gages Under Center of Load
2.0E-02
1.5E-02
1.0E-02
5.0E-03
0.0E+00
Maximum Gage Displacement (in.)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 6
Gage 11

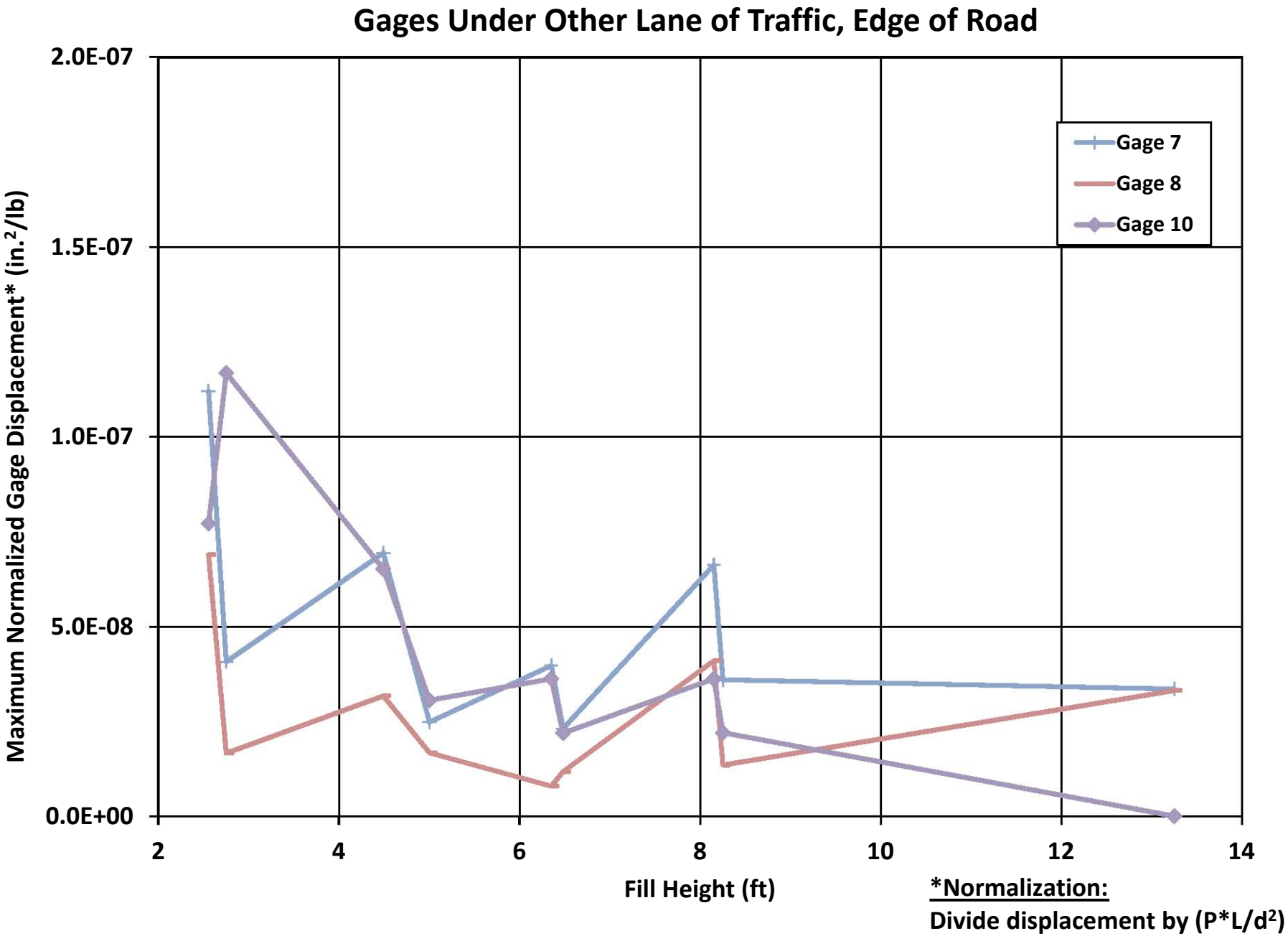

Gages Under Wheels
2.0E-02
1.5E-02
1.0E-02
5.0E-03
0.0E+00
Maximum Gage Displacement (in.)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 1
Gage 2
Gage 3
Gage 4
Gage 5
Gage 12

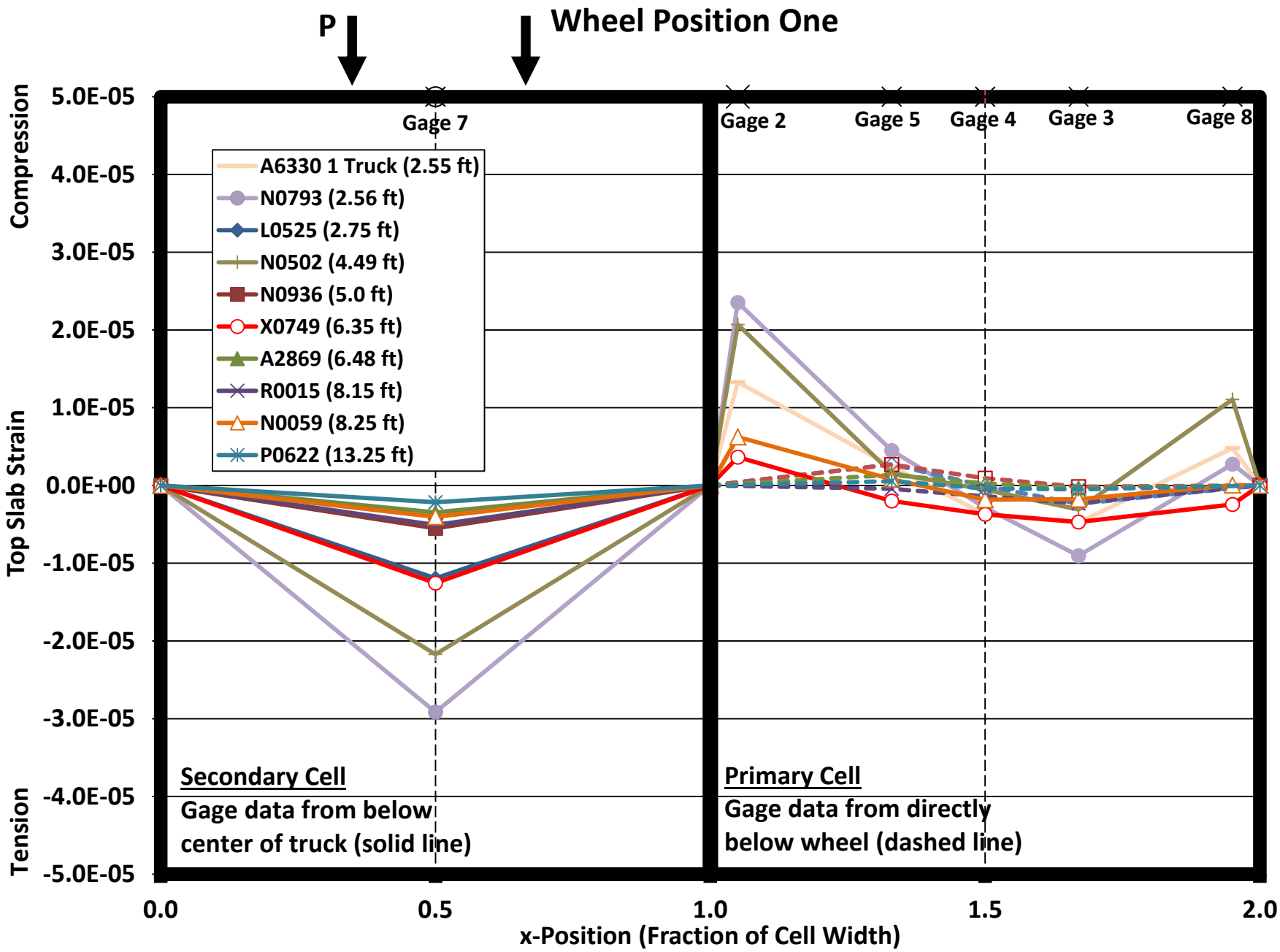

Gages Under Other Lane of Traffic, Edge of Road
2.0E-02
1.5E-02
1.0E-02
5.0E-03
0.0E+00
Maximum Gage Displacement (in.)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 7
Gage 8
Gage 10

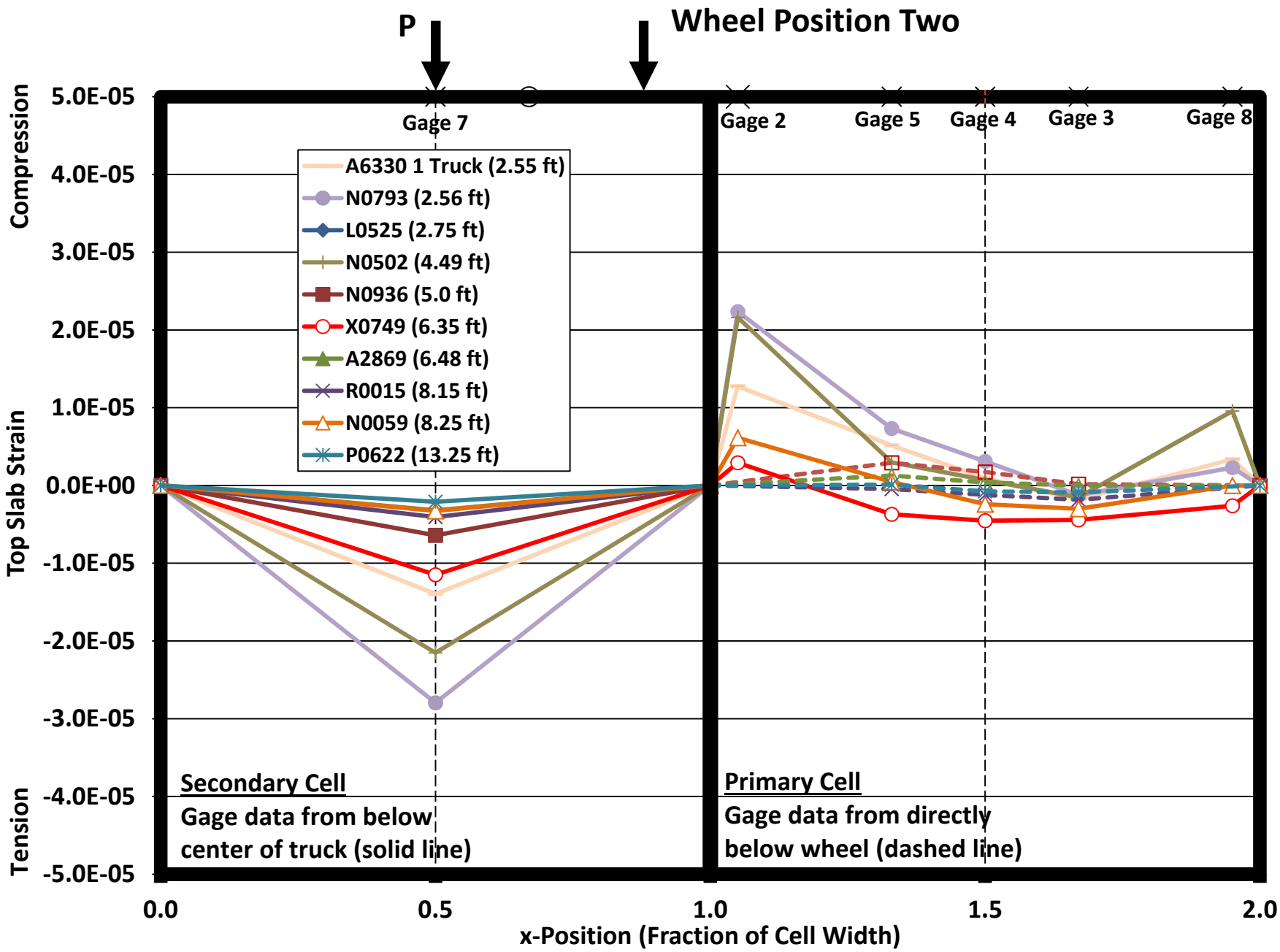

All Gages
Maximum Normalized Gage Displacement* (in.²/lb)
2.0E-07
1.5E-07
1.0E-07
5.0E-08
0.0E+00
2
4
6
8
10
12
14
Fill Height (ft)
Gage 1
Gage 2
Gage 3
Gage 4
Gage 5
Gage 6
Gage 7
Gage 8
Gage 10
Gage 11
Gage 12
*Normalization:
Divide displacement by (P*L/d²)

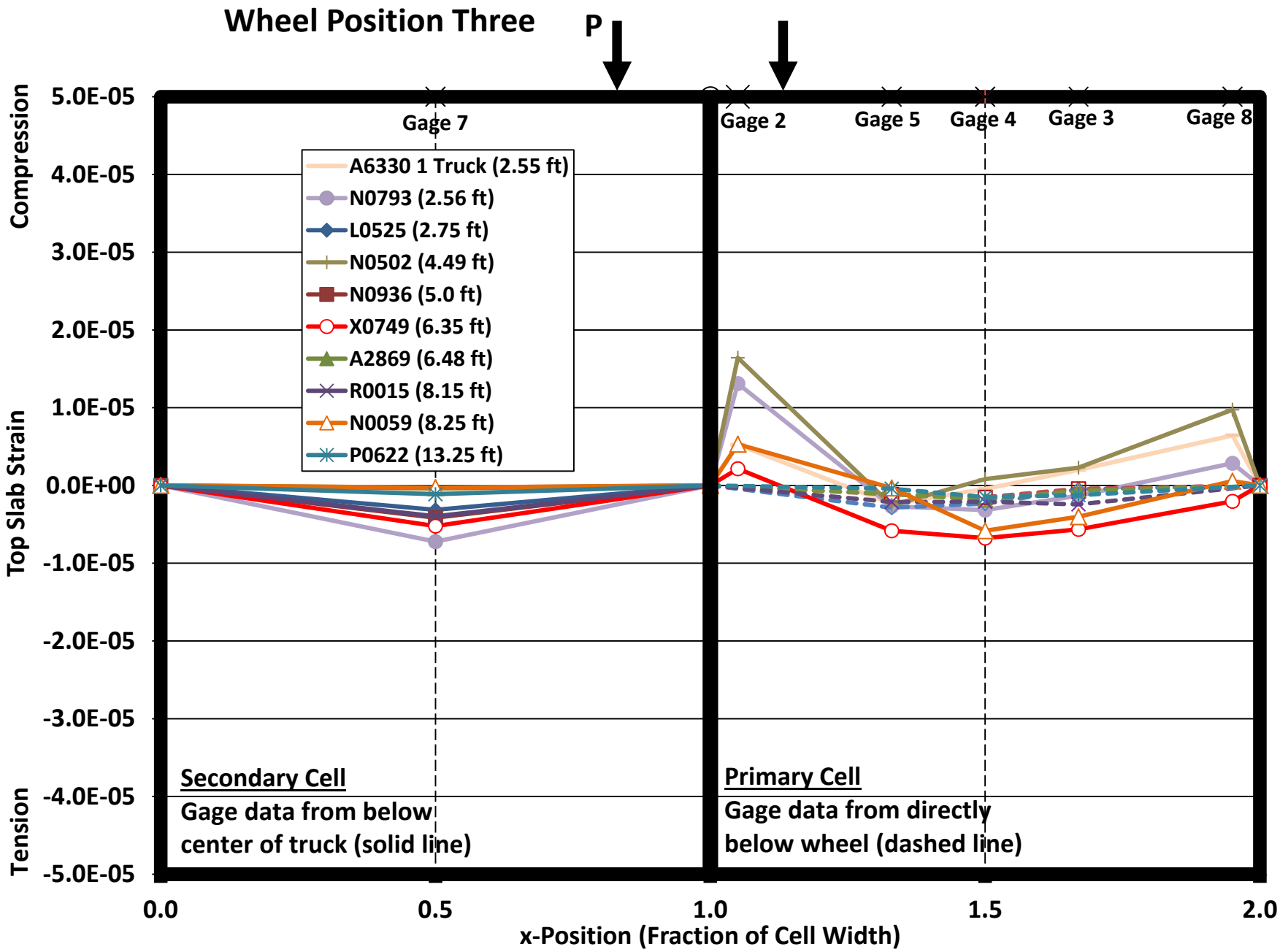

Gages Under Center of Load
2.0E-07
1.5E-07
1.0E-07
5.0E-08
0.0E+00
Maximum Normalized Gage Displacement* (in.²/lb)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 6
Gage 11
*Normalization:
Divide displacement by (P*L/d²)

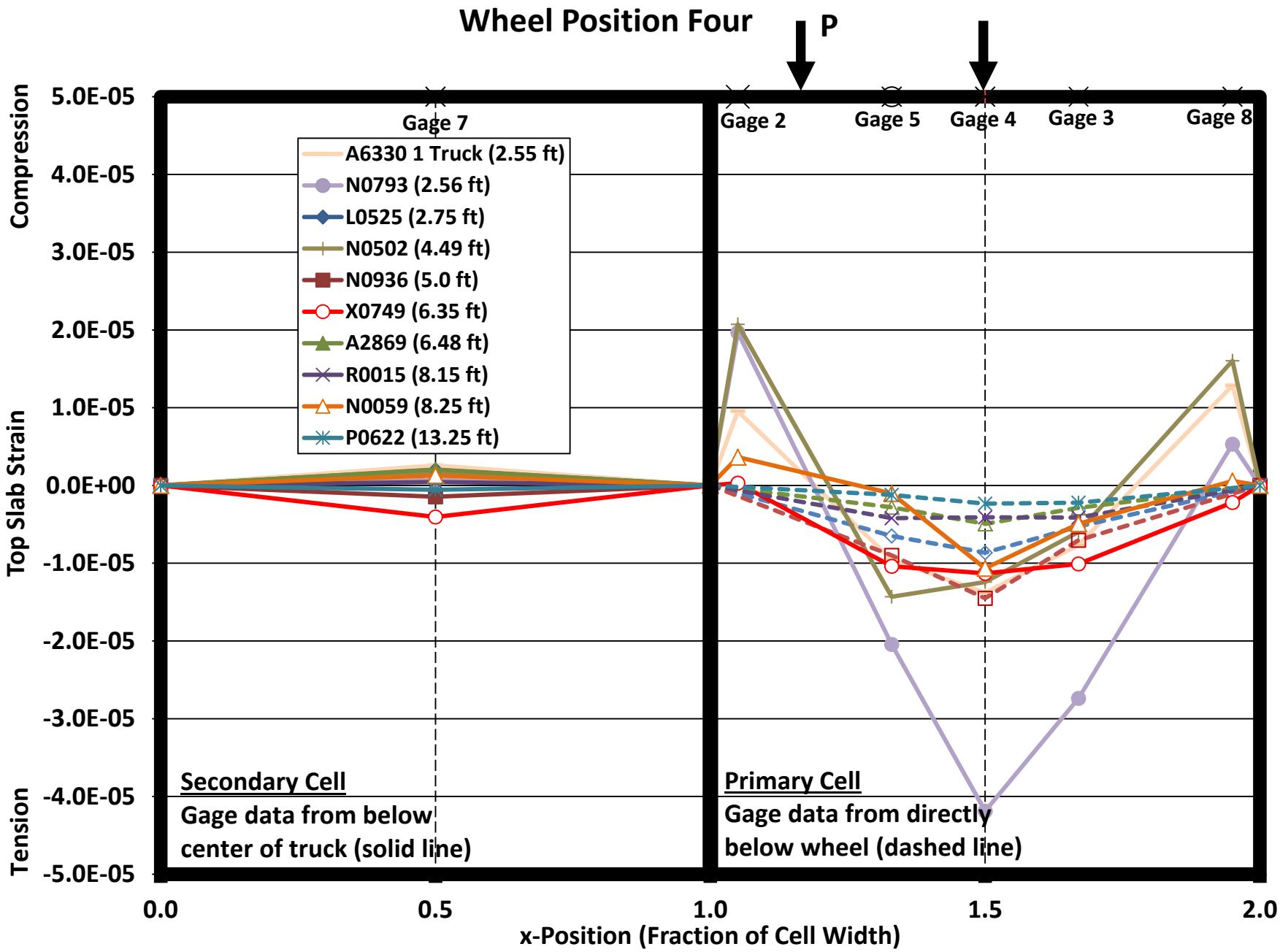

Gages Under Wheels
2.0E-07
1.5E-07
1.0E-07
5.0E-08
0.0E+00
Maximum Normalized Gage Displacement* (in.²/lb)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 1
Gage 2
Gage 3
Gage 4
Gage 5
Gage 12
*Normalization:
Divide displacement by (P*L/d²)

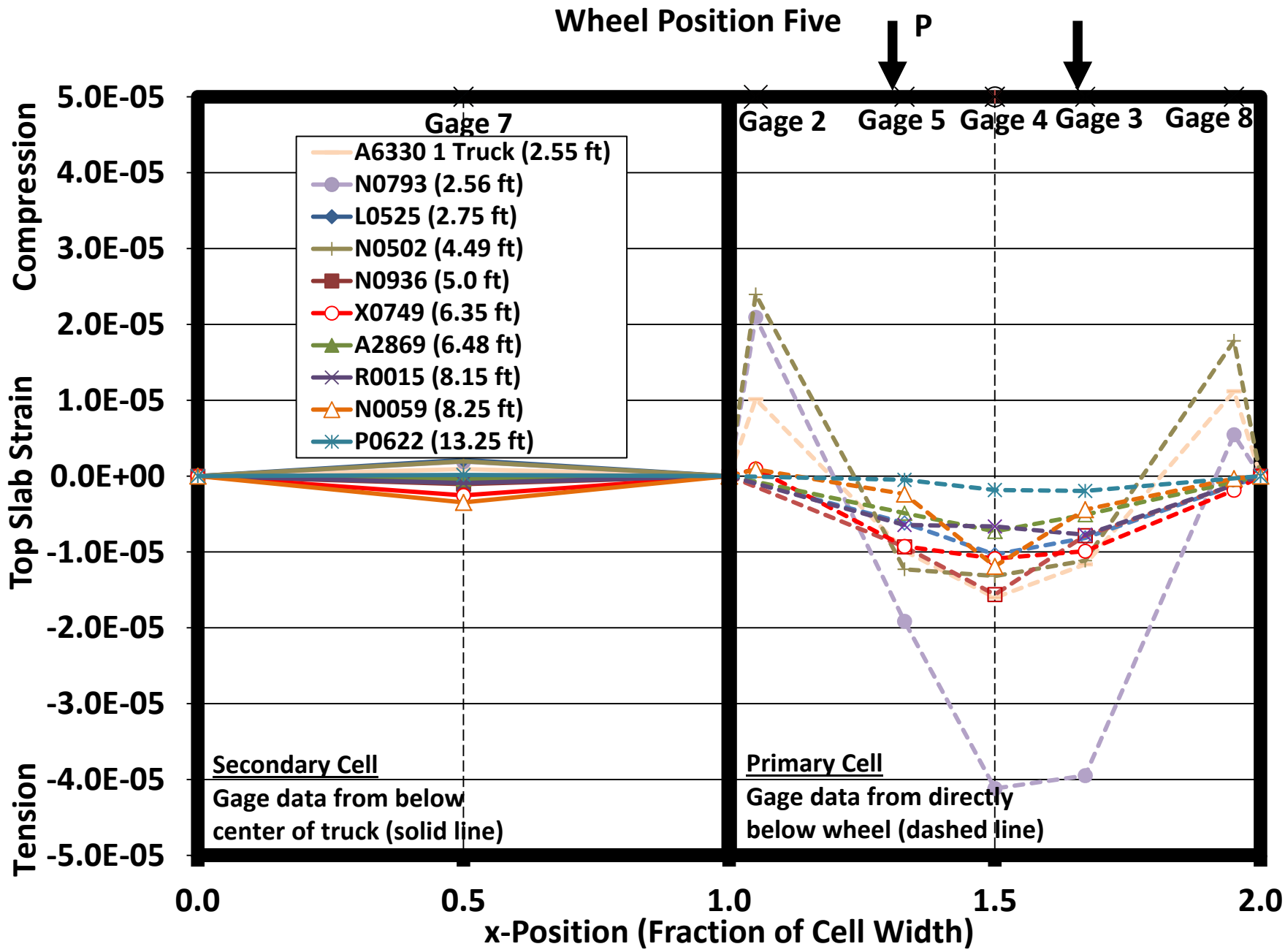

Gages Under Other Lane of Traffic, Edge of Road
2.0E-07
1.5E-07
1.0E-07
5.0E-08
0.0E+00
Maximum Normalized Gage Displacement* (in.²/lb)
2
4
6
8
10
12
14
Fill Height (ft)
Gage 7
Gage 8
Gage 10
*Normalization:
Divide displacement by (P*L/d²)

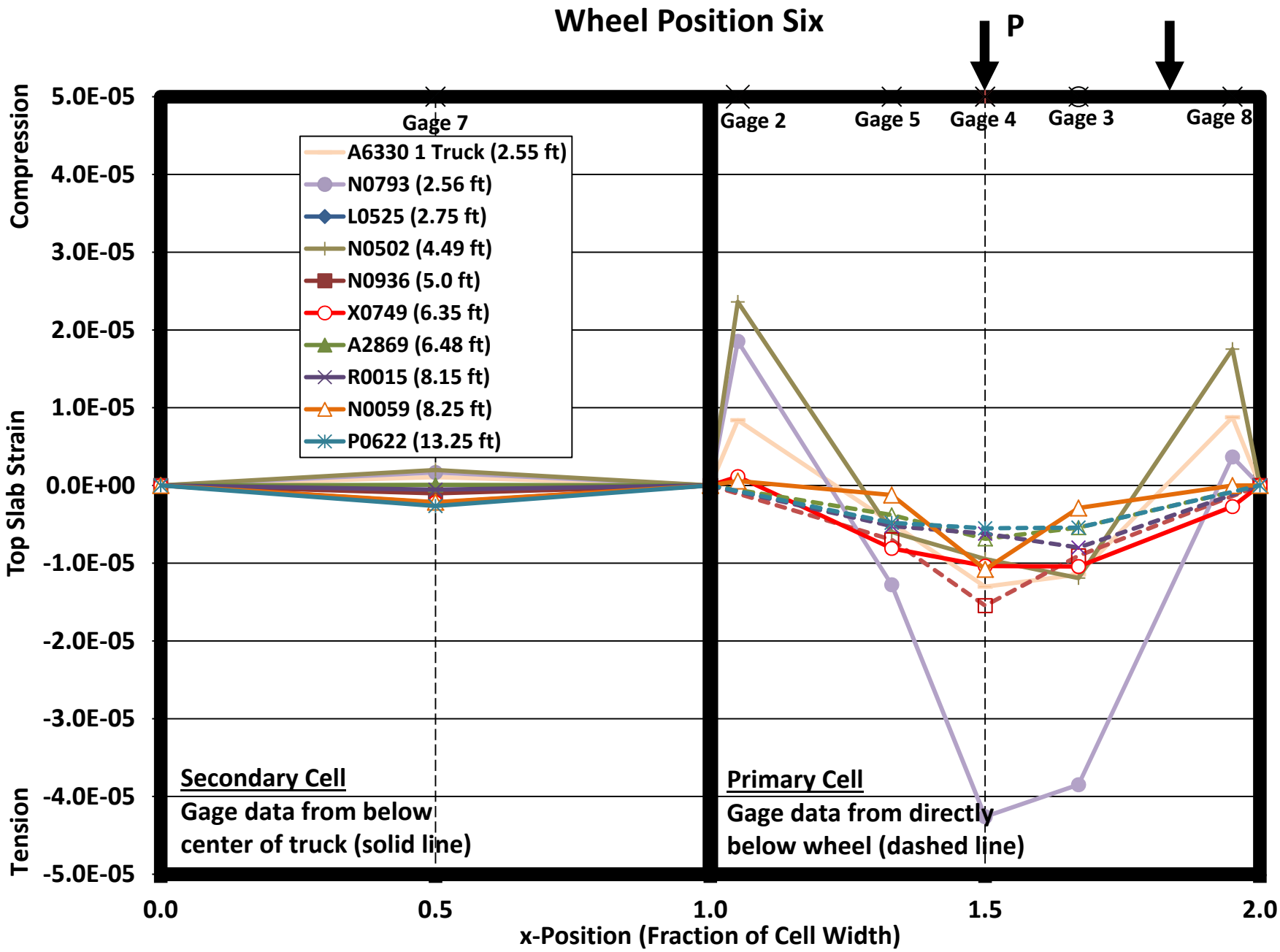

P
Wheel Position One
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

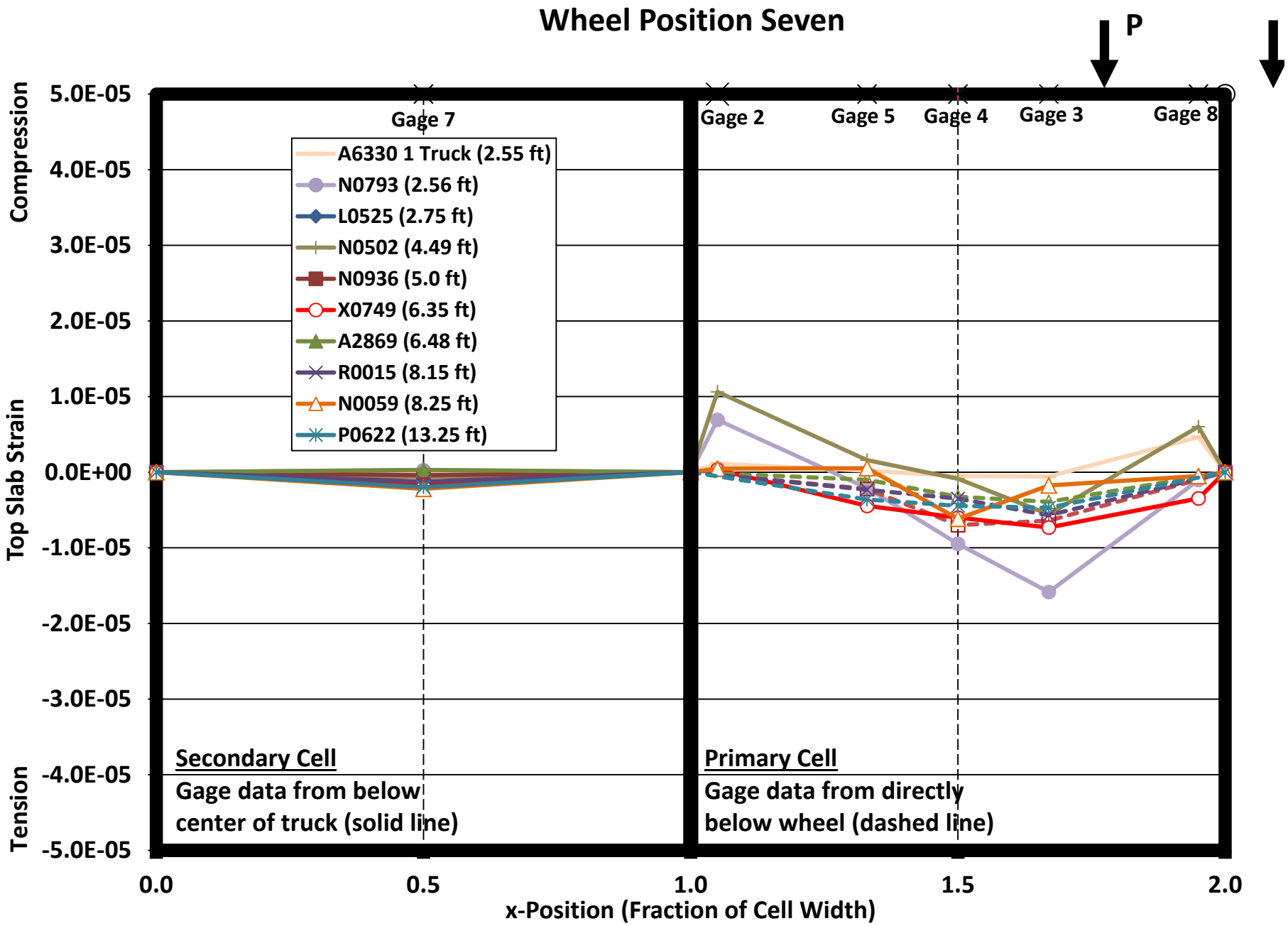

P
Wheel Position Two
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

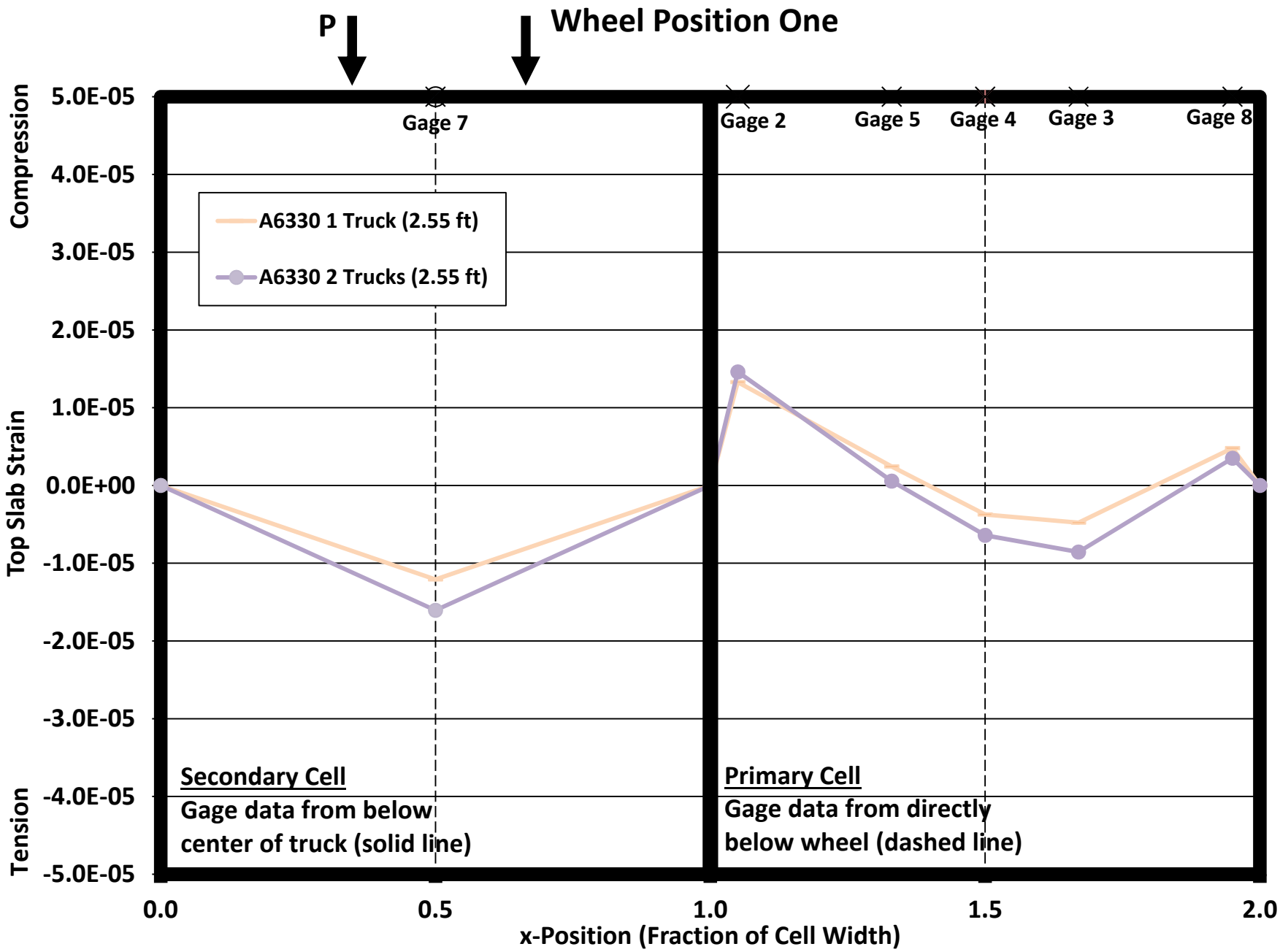

Wheel Position Three
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

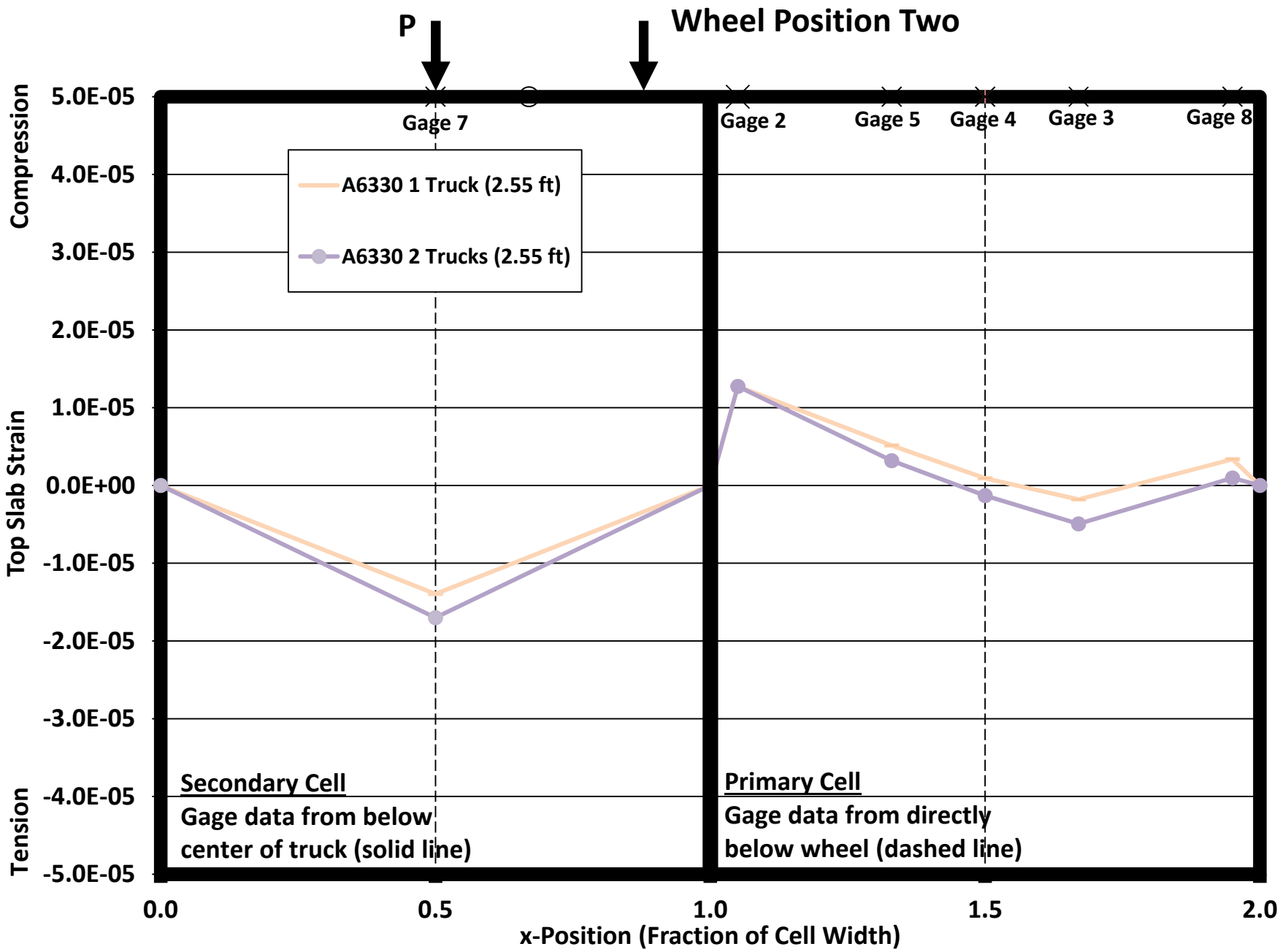

Wheel Position Four
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

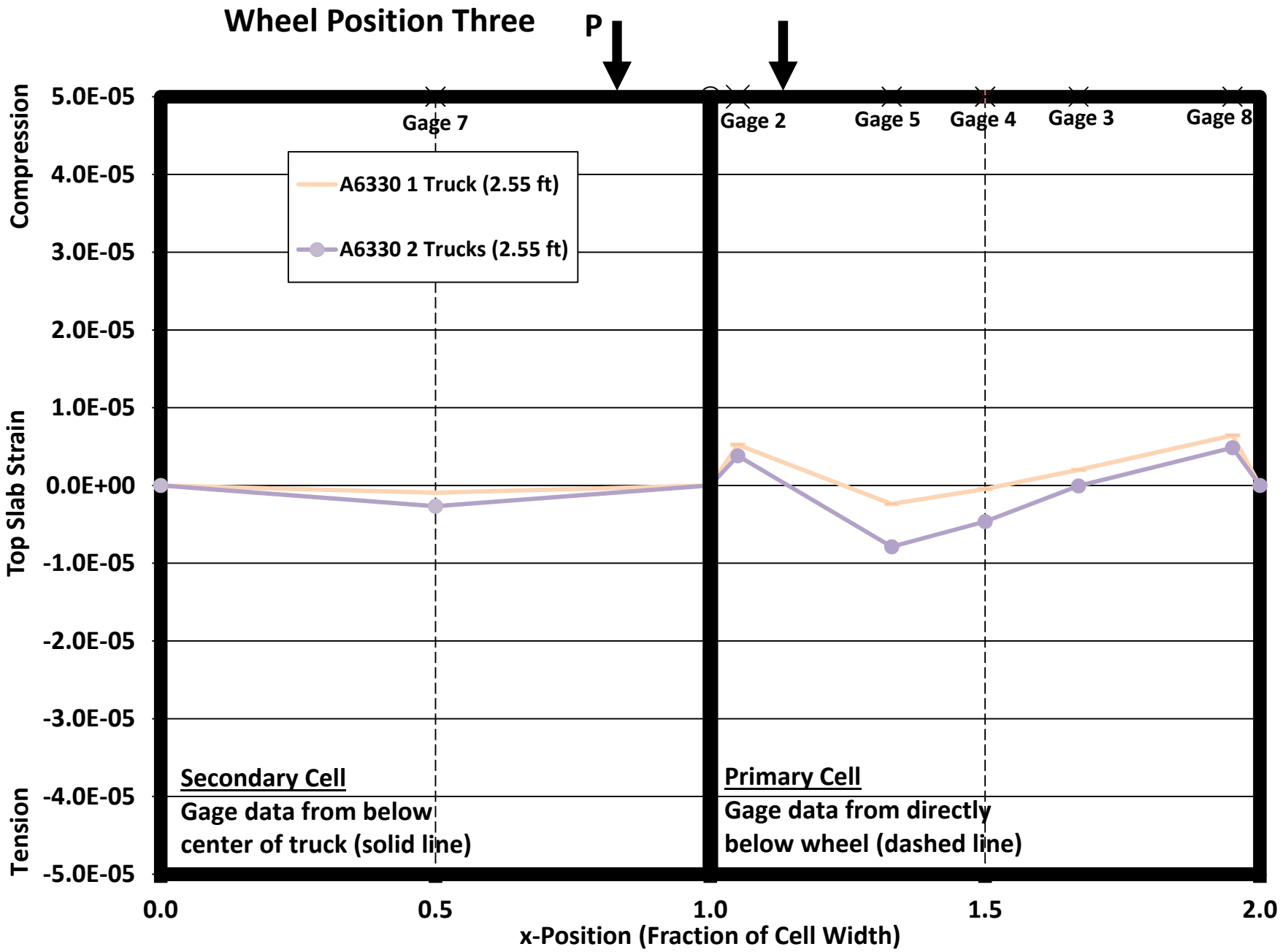

Wheel Position Five
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)


Wheel Position Six
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

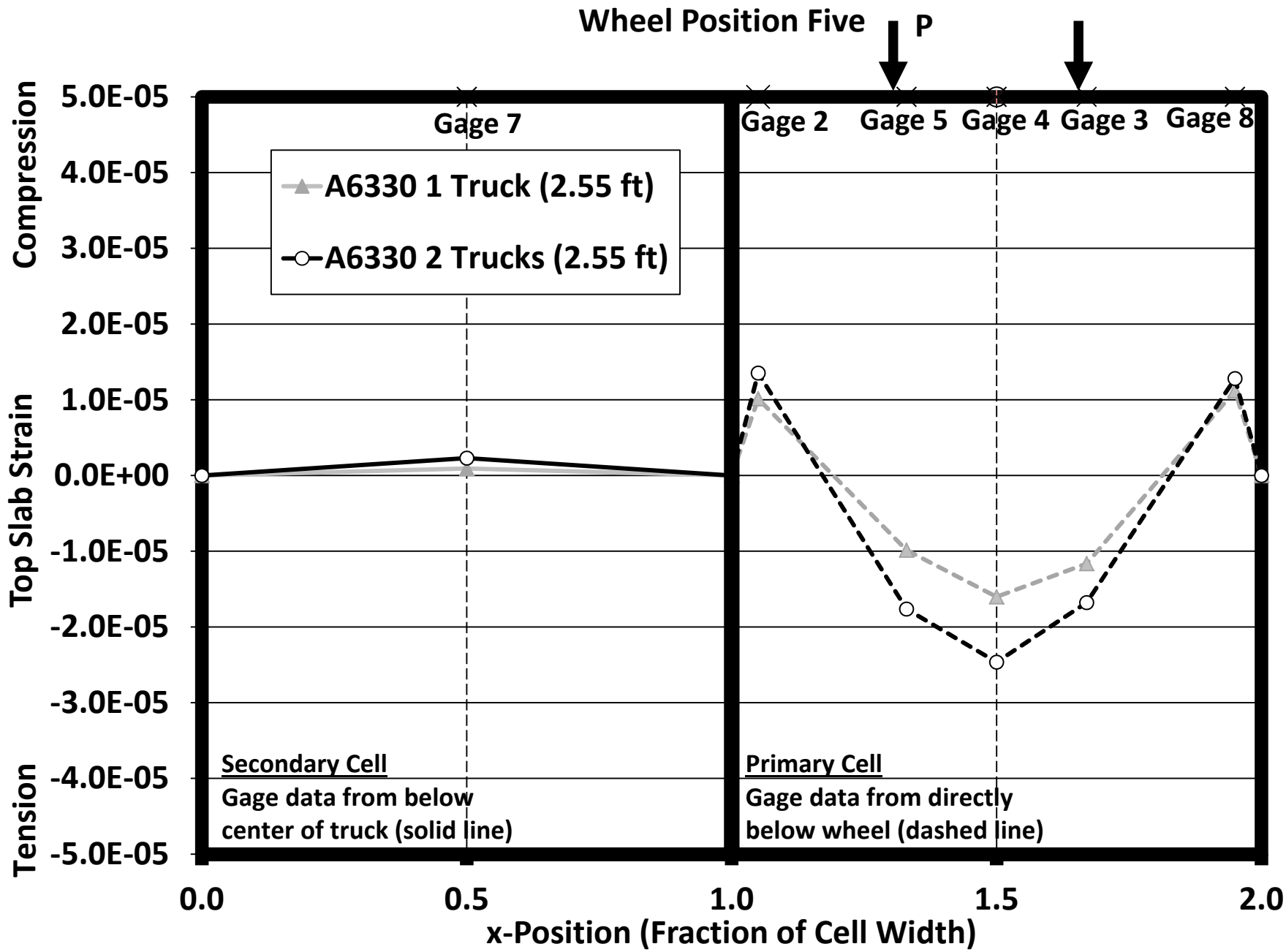

Wheel Position Seven
P
Compression
Tension
Top Slab Strain
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

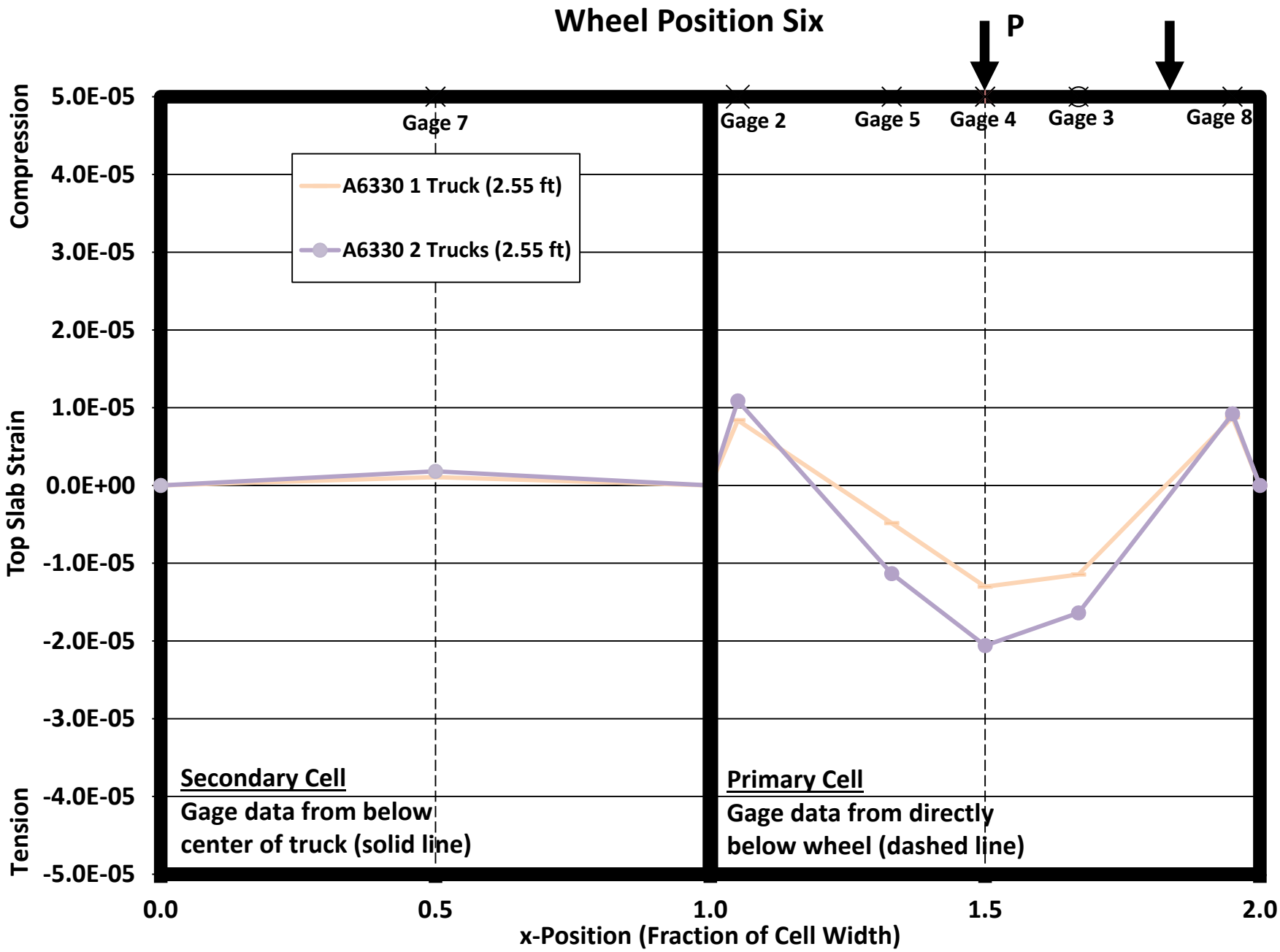

P
Wheel Position One
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

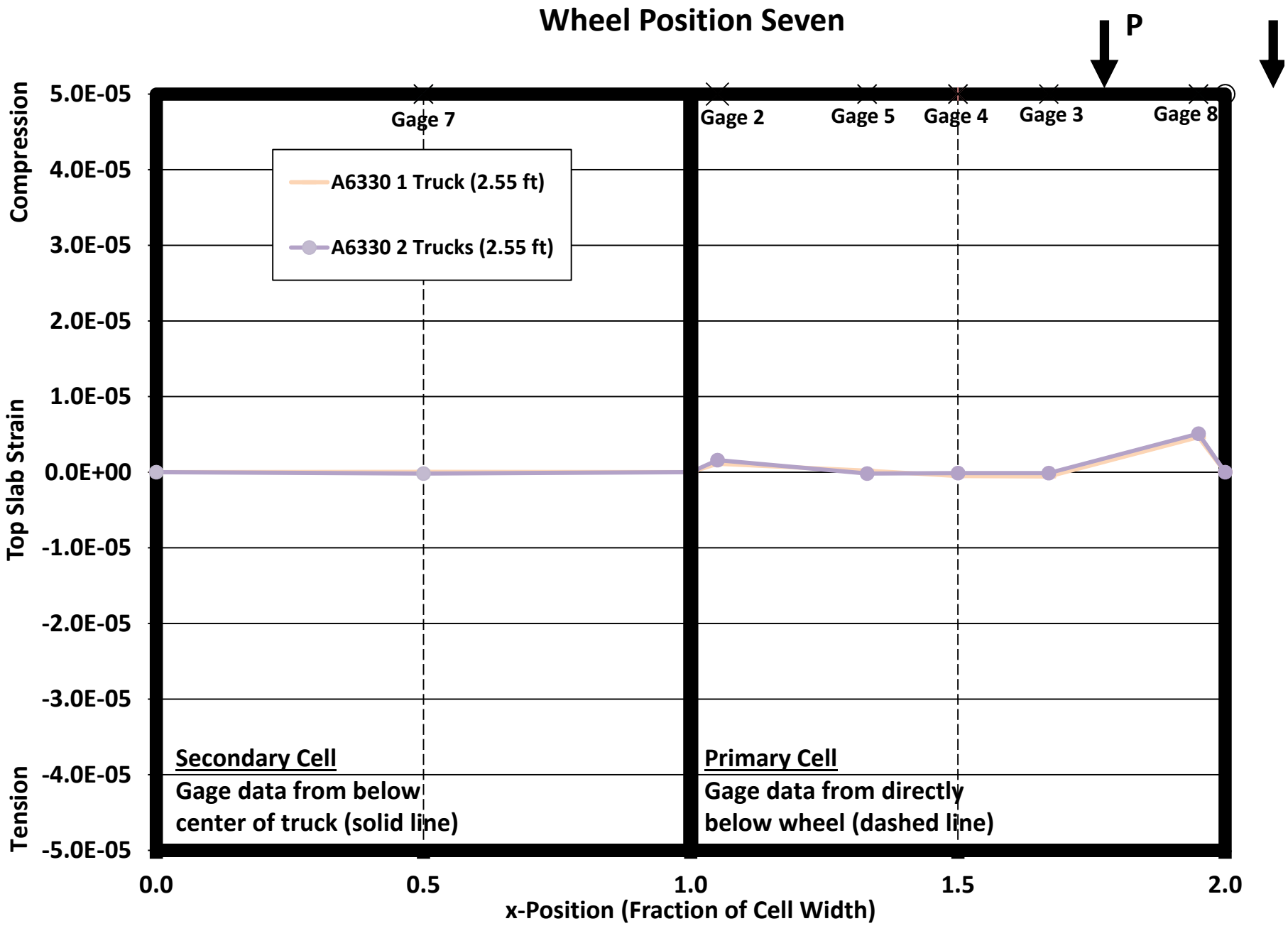

P
Wheel Position Two
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

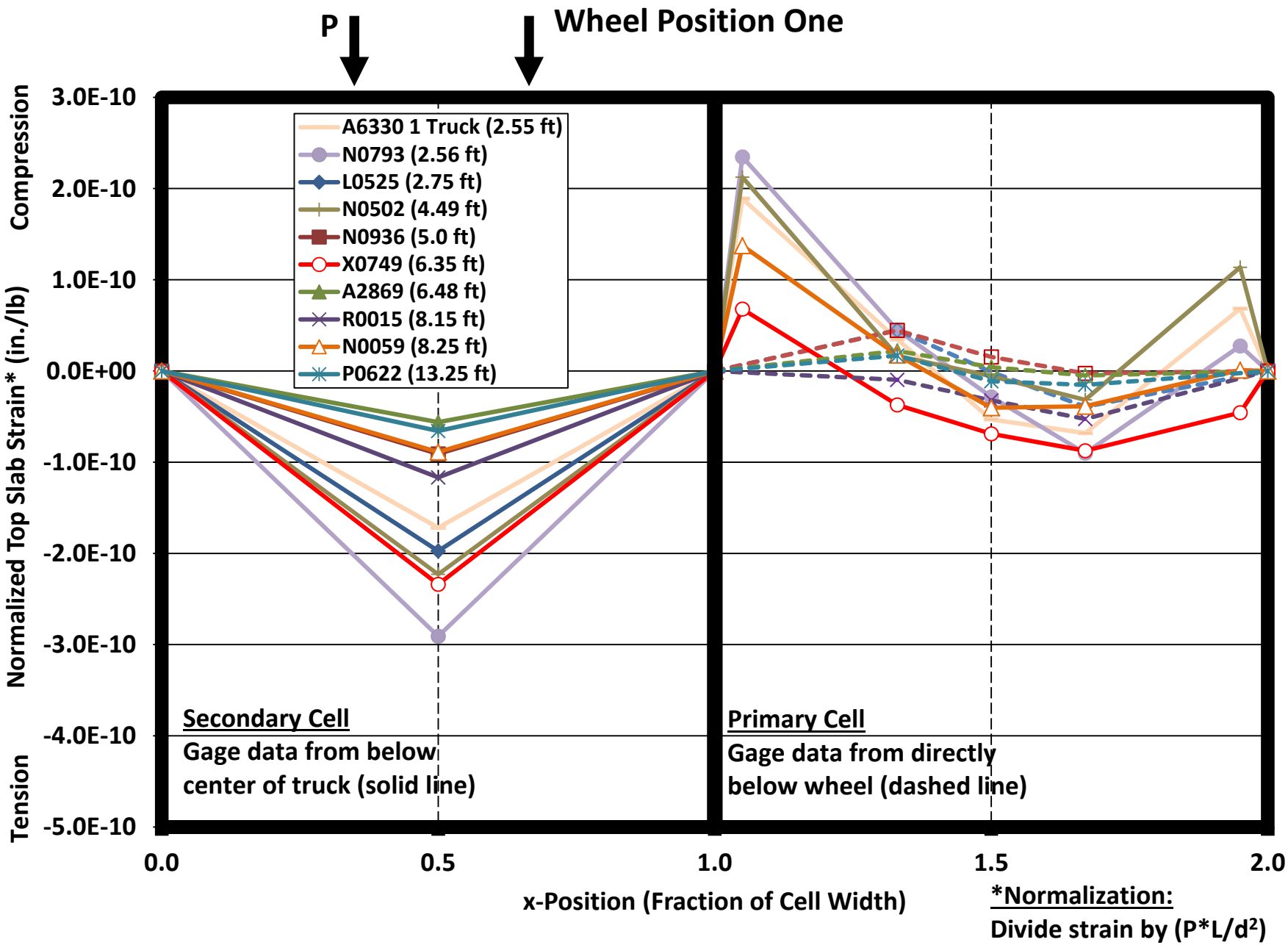

Wheel Position Three
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

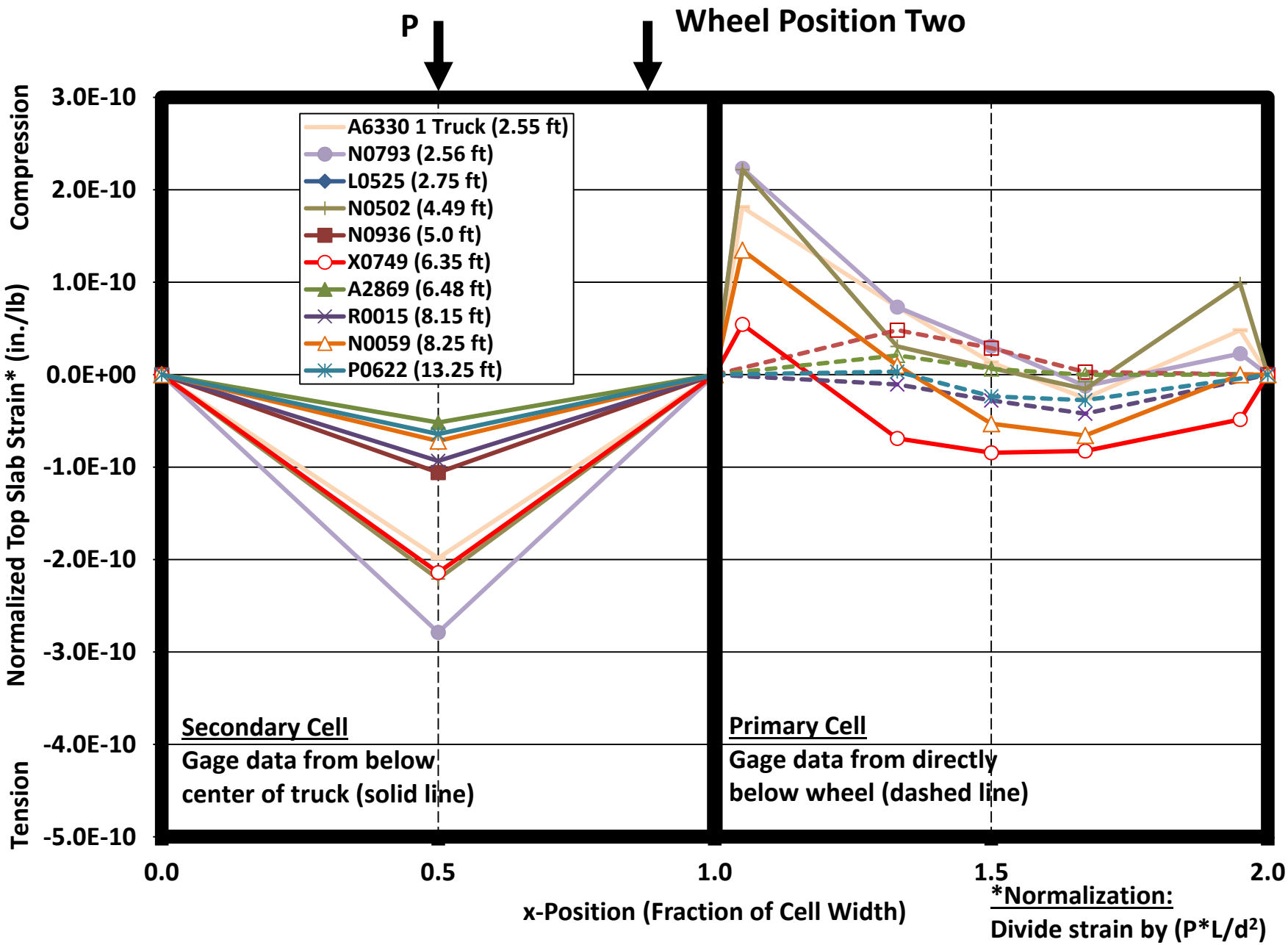
Wheel Position Four
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

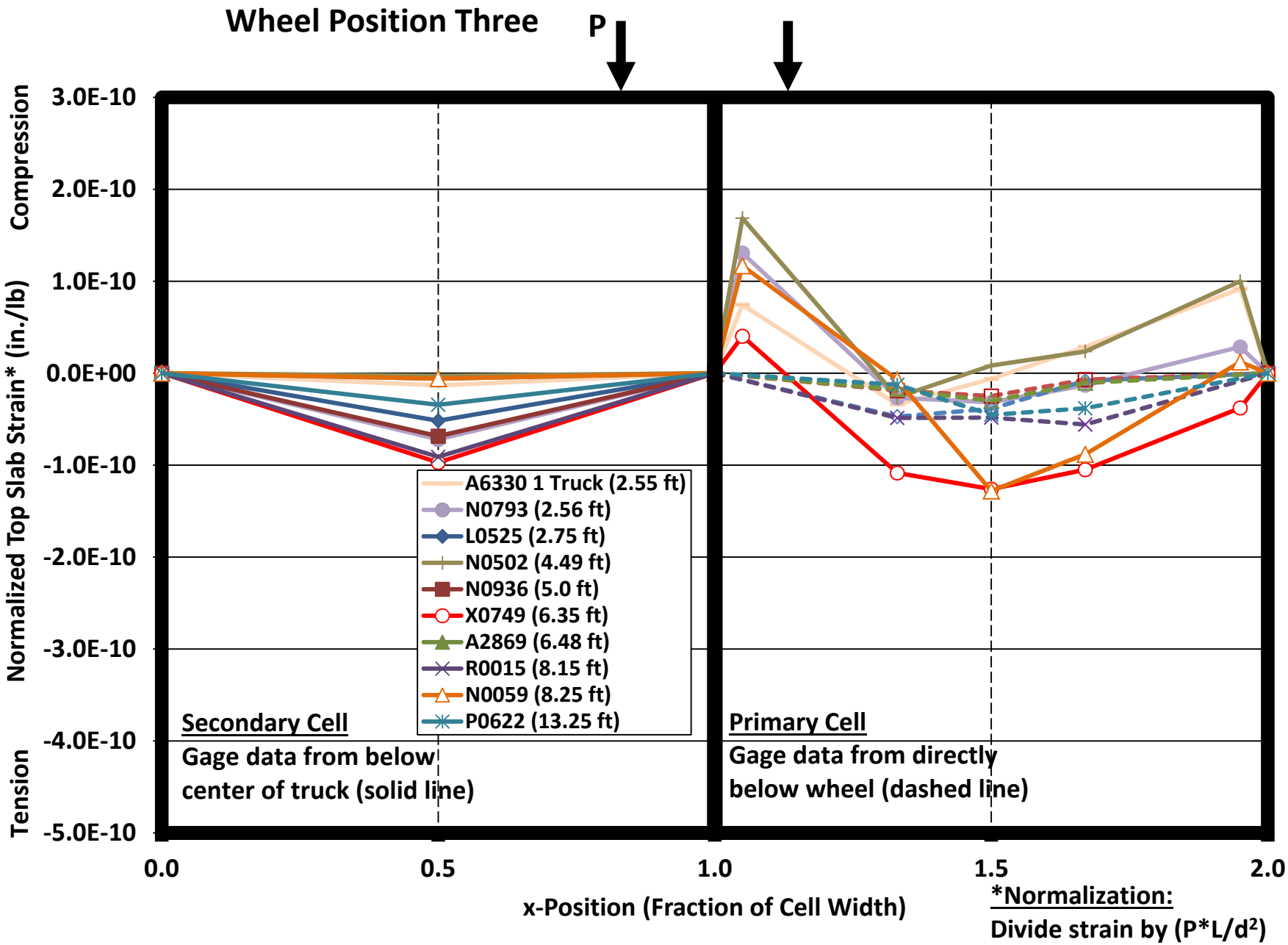

Wheel Position Five
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

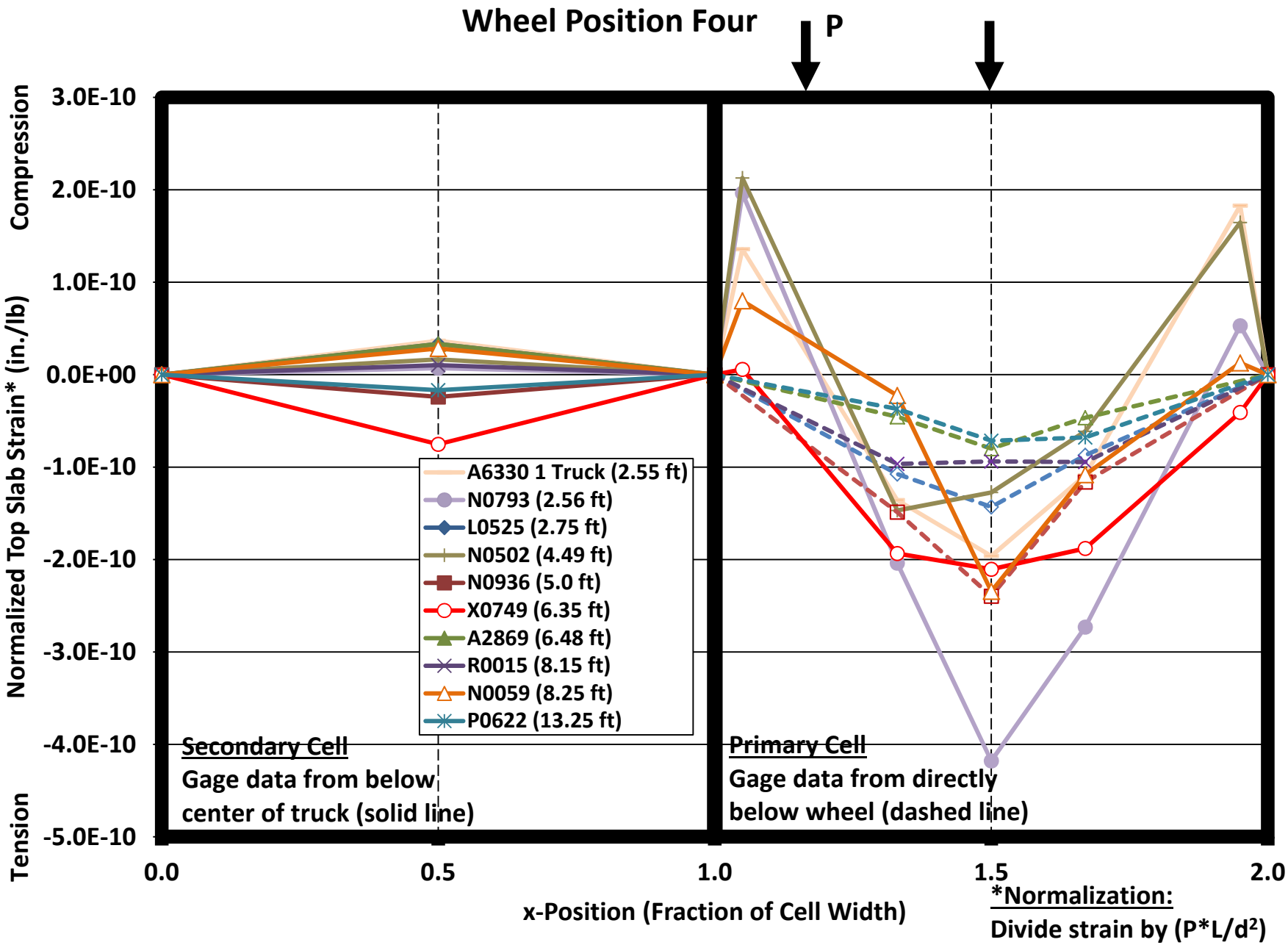

Wheel Position Six
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

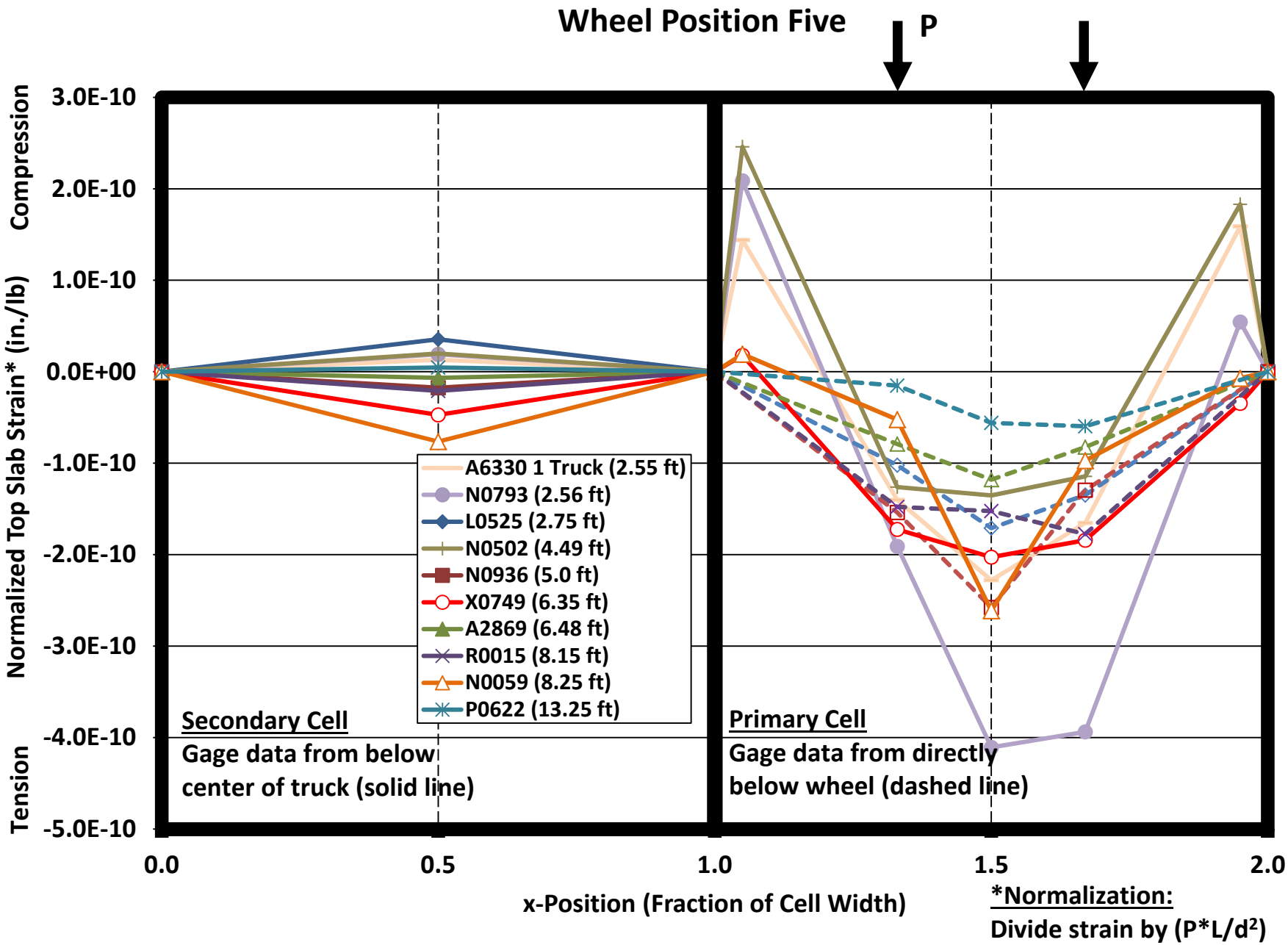

Wheel Position Seven
P
Gage 7
Gage 2
Gage 5
Gage 4
Gage 3
Gage 8
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Compression
Top Slab Strain
Tension
5.0E-05
4.0E-05
3.0E-05
2.0E-05
1.0E-05
0.0E+00
-1.0E-05
-2.0E-05
-3.0E-05
-4.0E-05
-5.0E-05
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

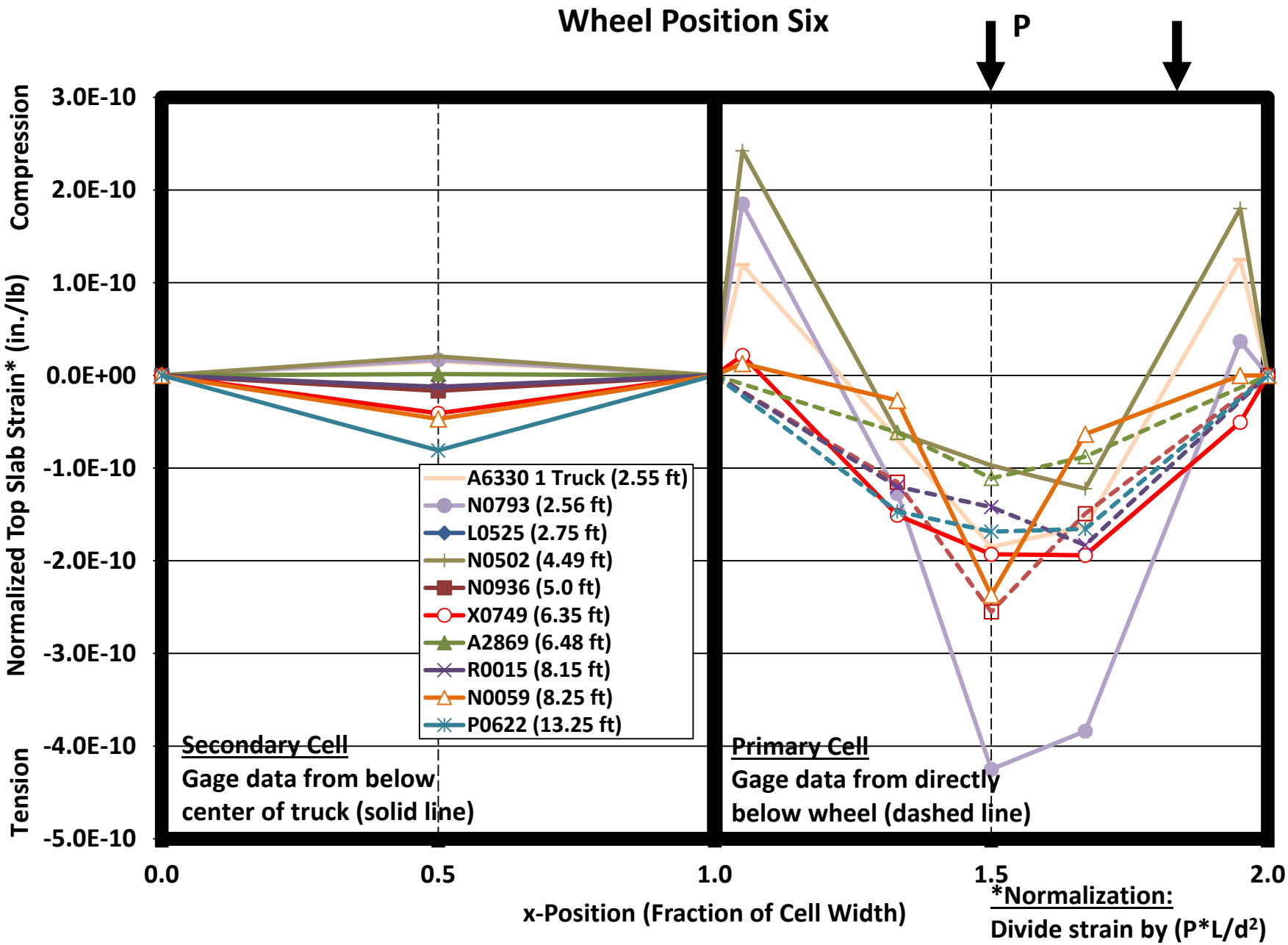

P
Wheel Position One
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide strain by (P*L/d²)

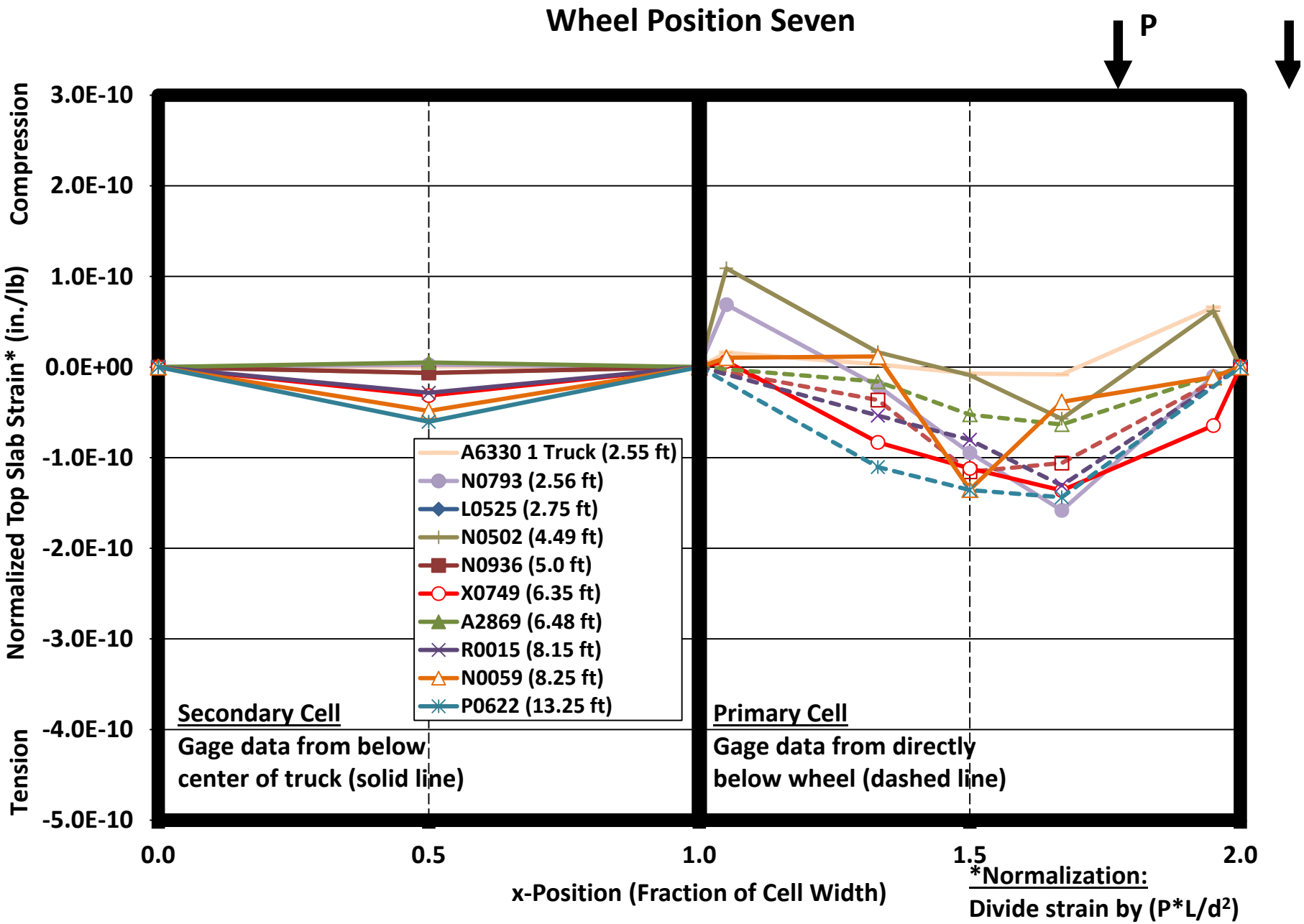

P
Wheel Position Two
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide strain by (P*L/d²)

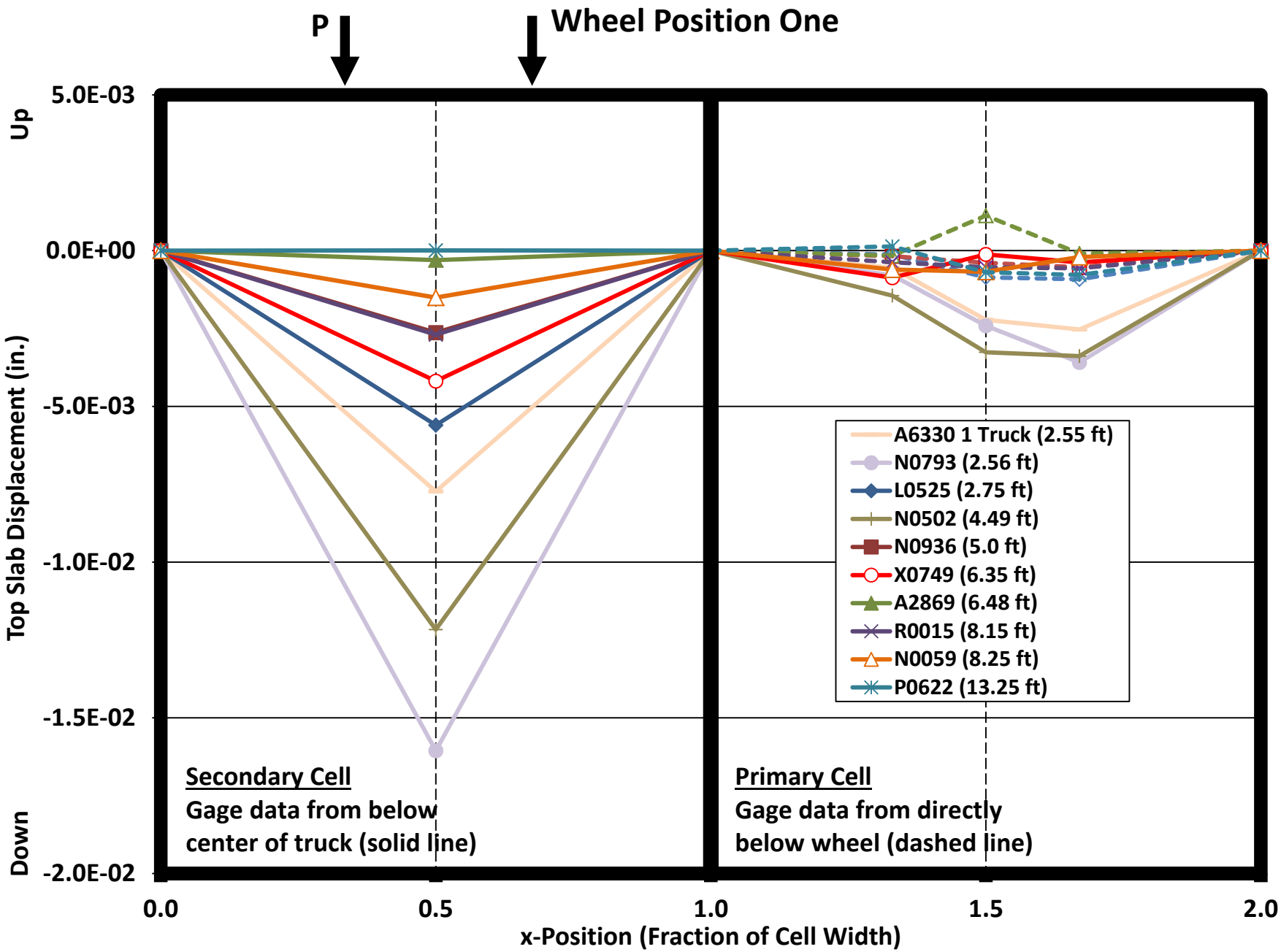

Wheel Position Three
P
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide strain by (P*L/d²)

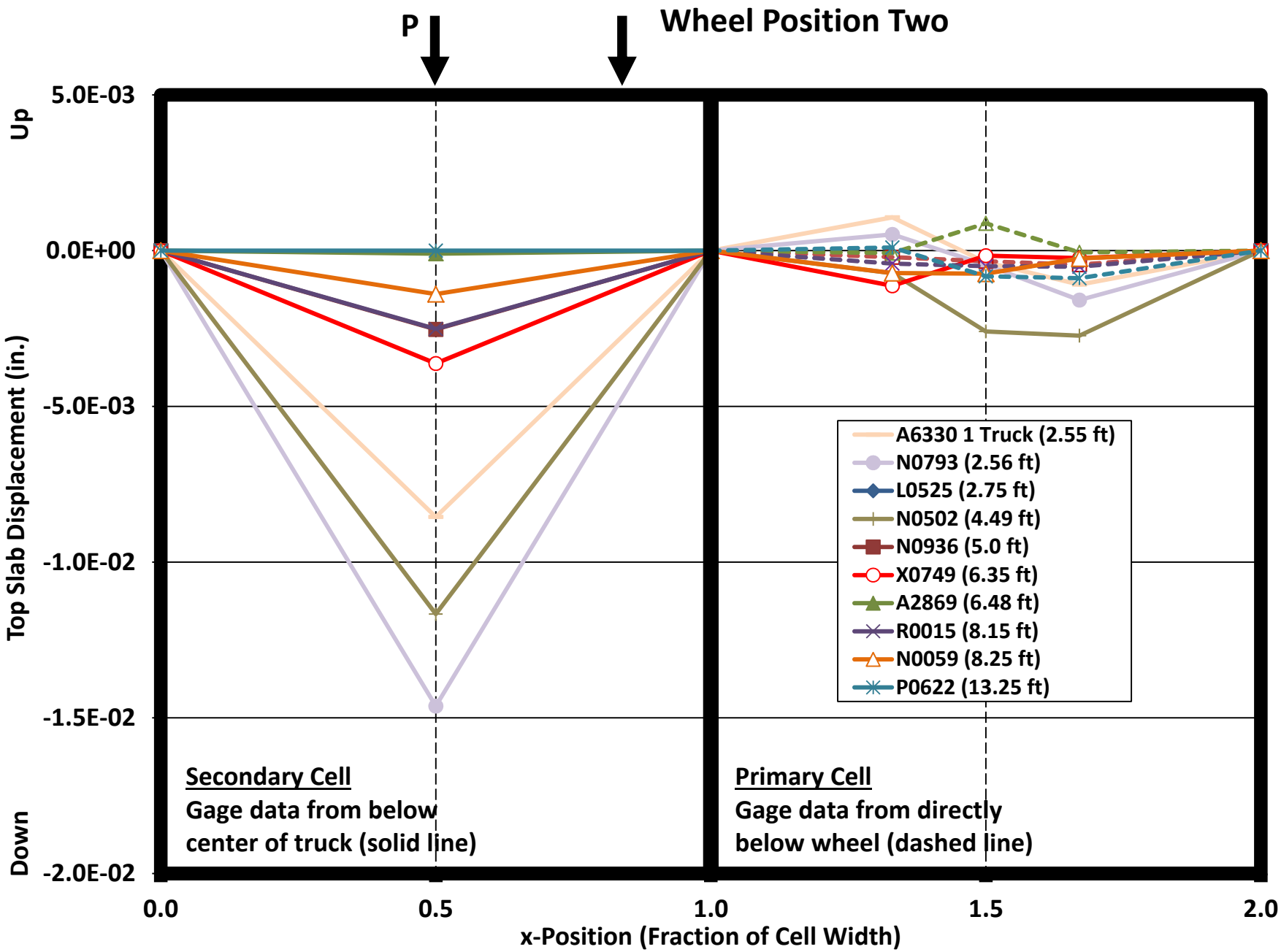

Wheel Position Four
P
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide strain by (P*L/d²)

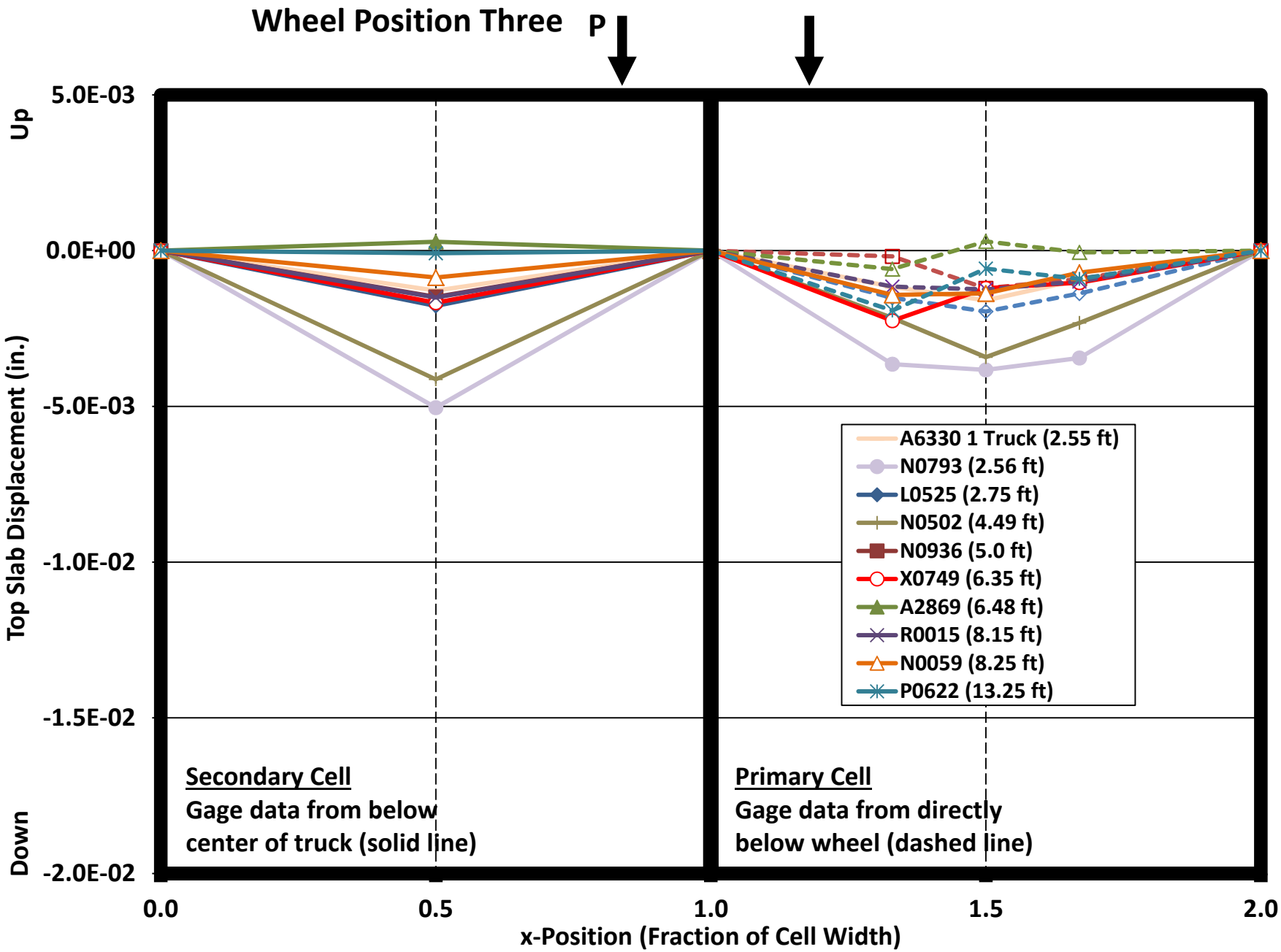

Wheel Position Five
P
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide strain by (P*L/d²)

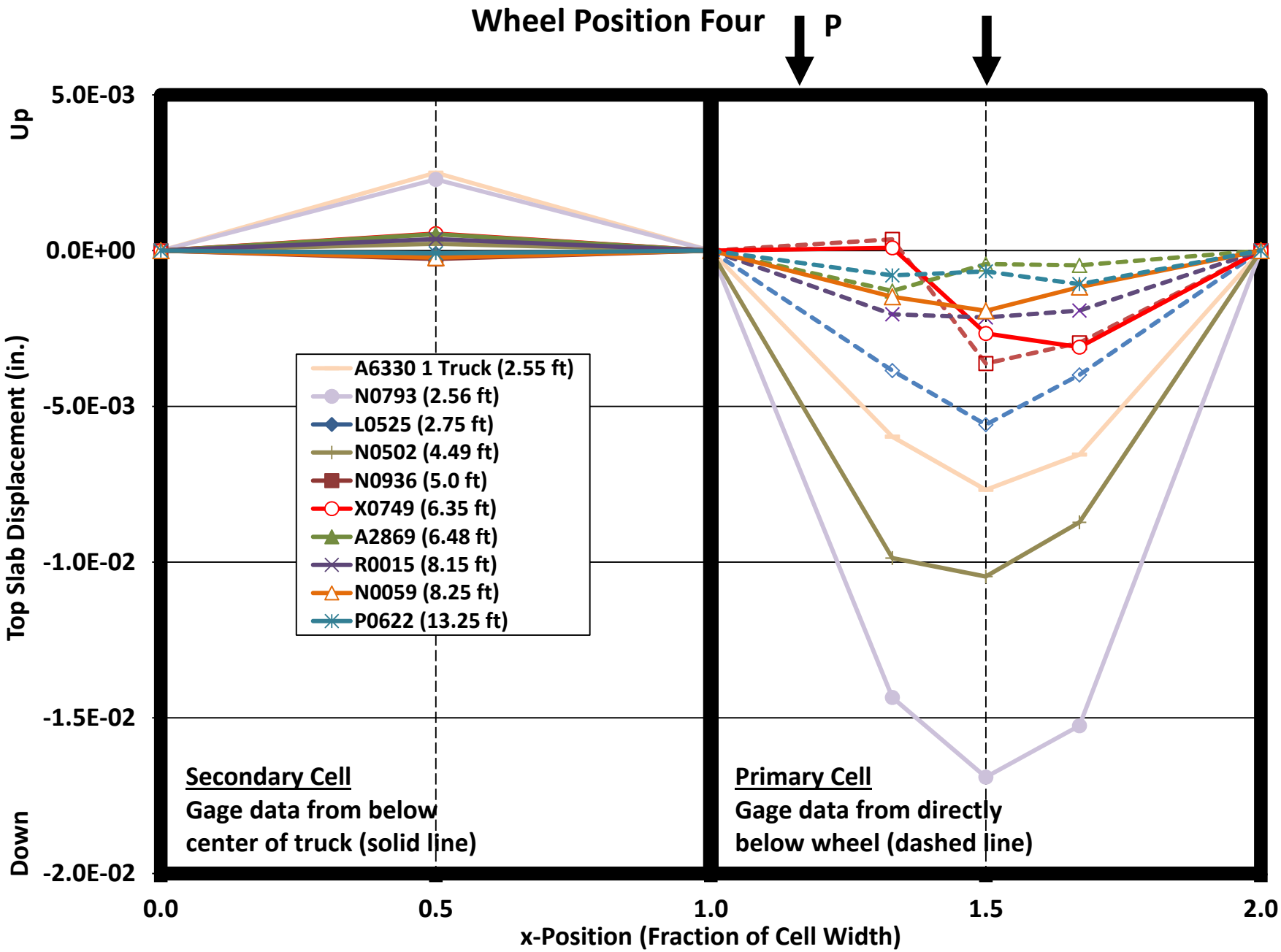

Wheel Position Six
P
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide strain by (P*L/d²)

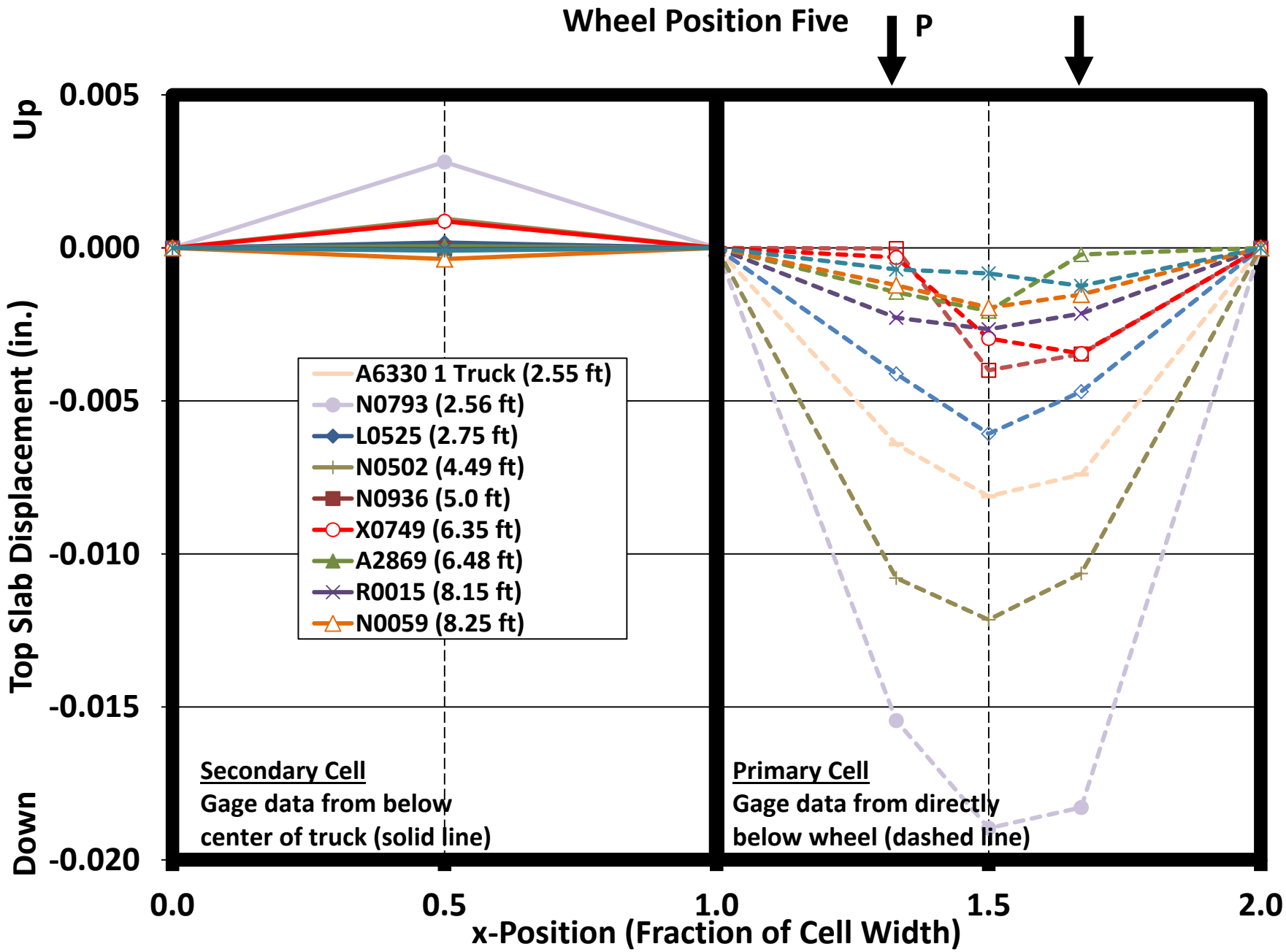

Wheel Position Seven
P
Compression
Tension
Normalized Top Slab Strain* (in./lb)
3.0E-10
2.0E-10
1.0E-10
0.0E+00
-1.0E-10
-2.0E-10
-3.0E-10
-4.0E-10
-5.0E-10
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide strain by (P*L/d²)

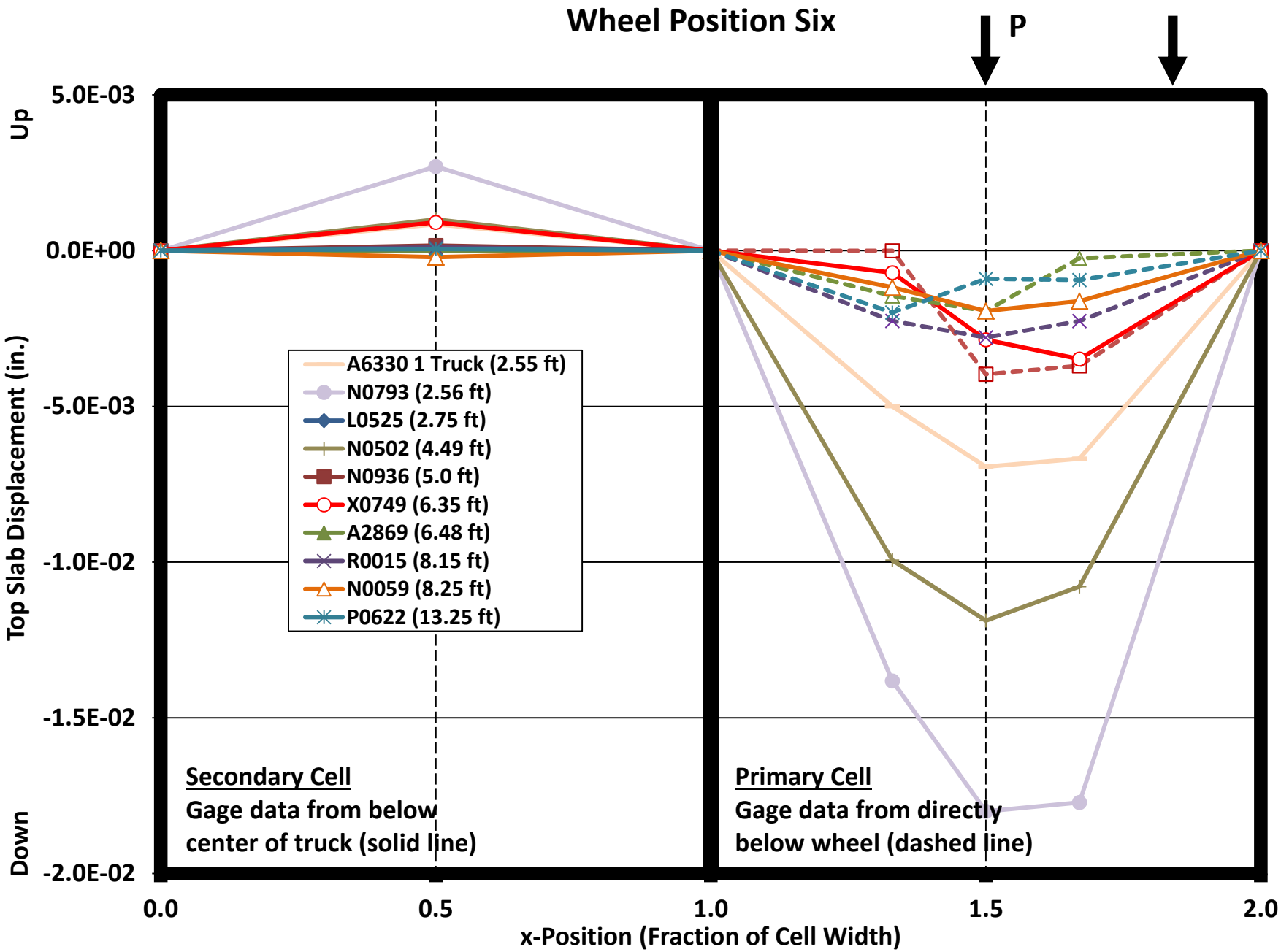

P
Wheel Position One
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)

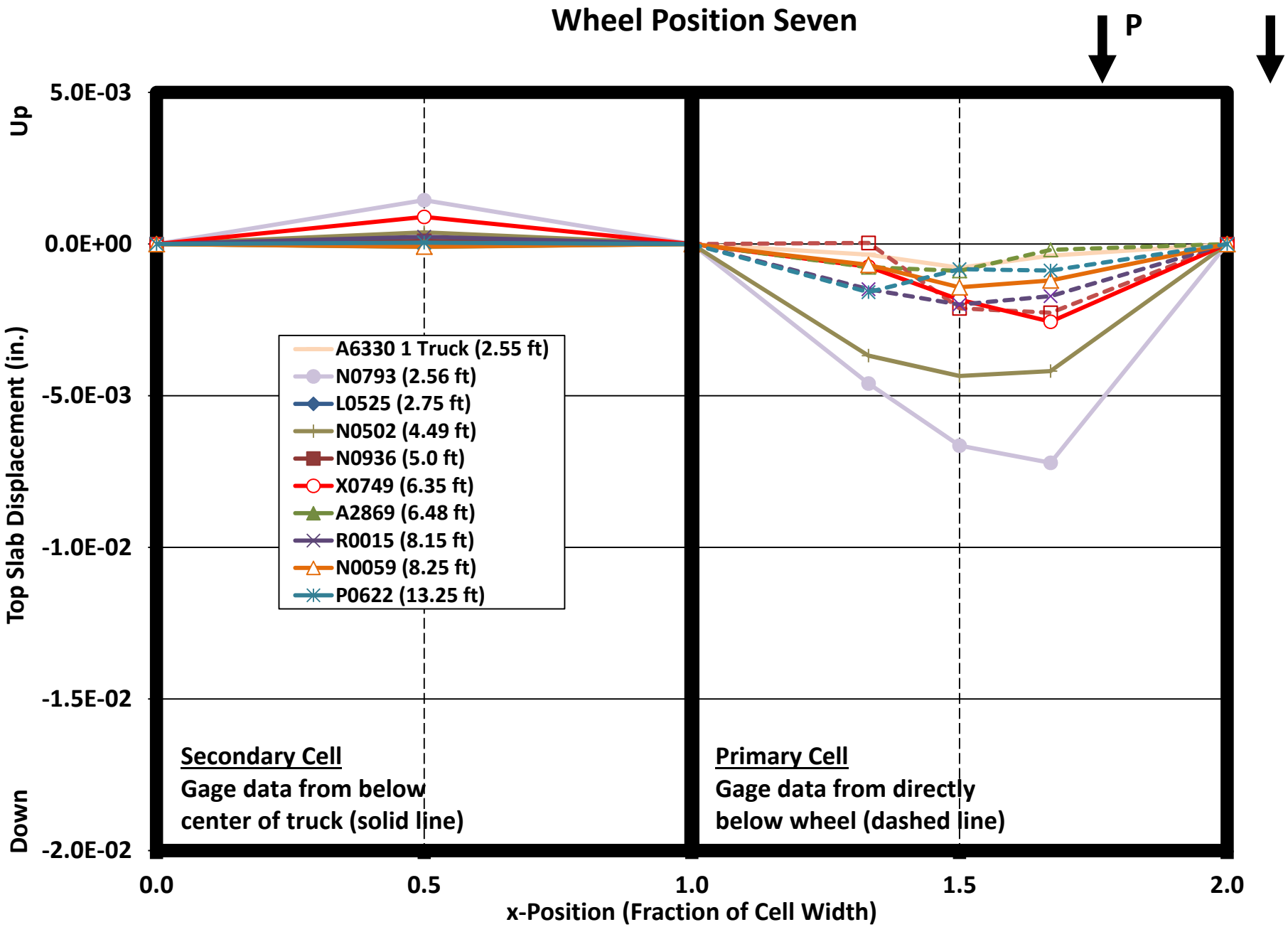

P
Wheel Position Two
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

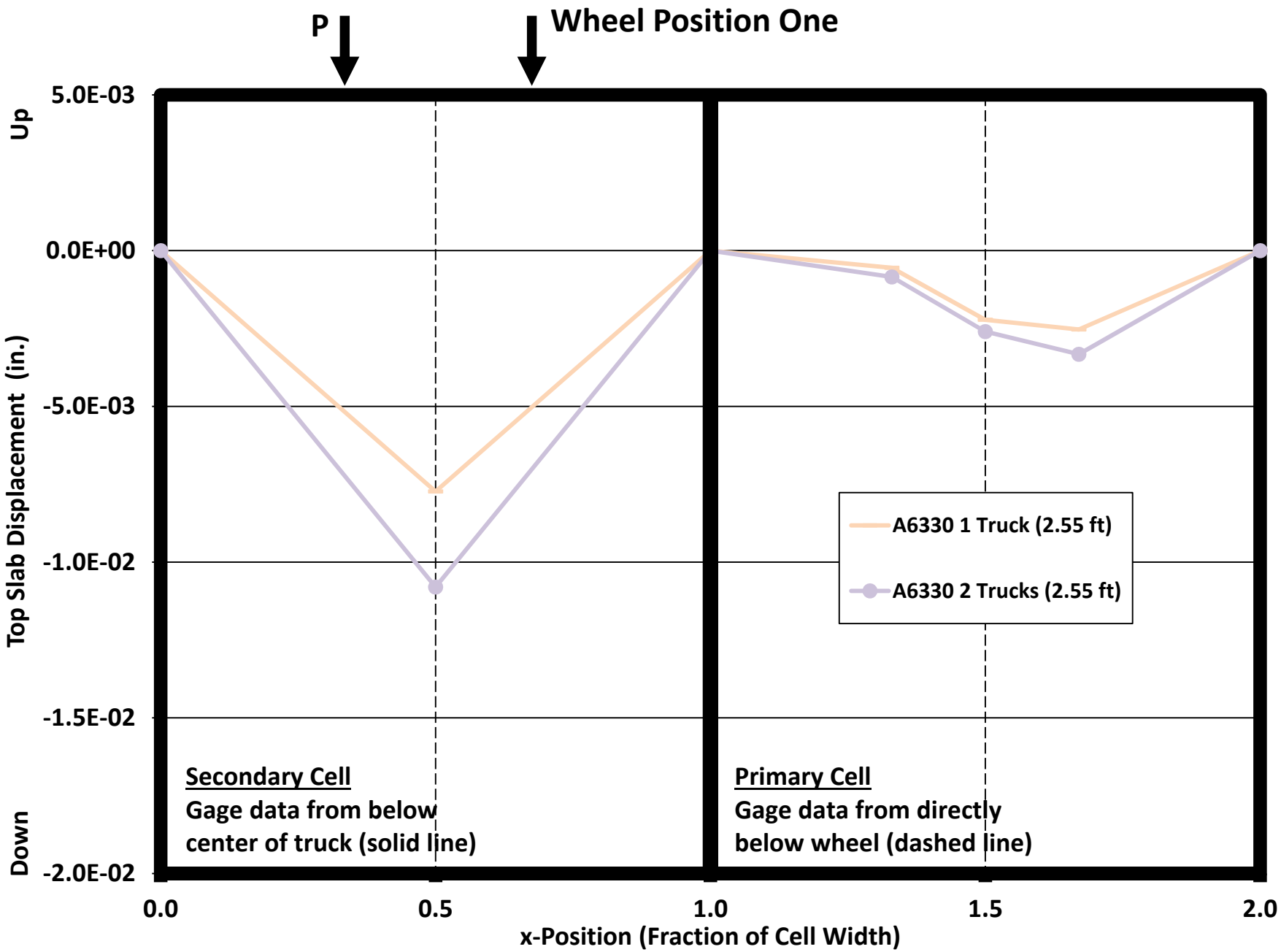

Wheel Position Three
P
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

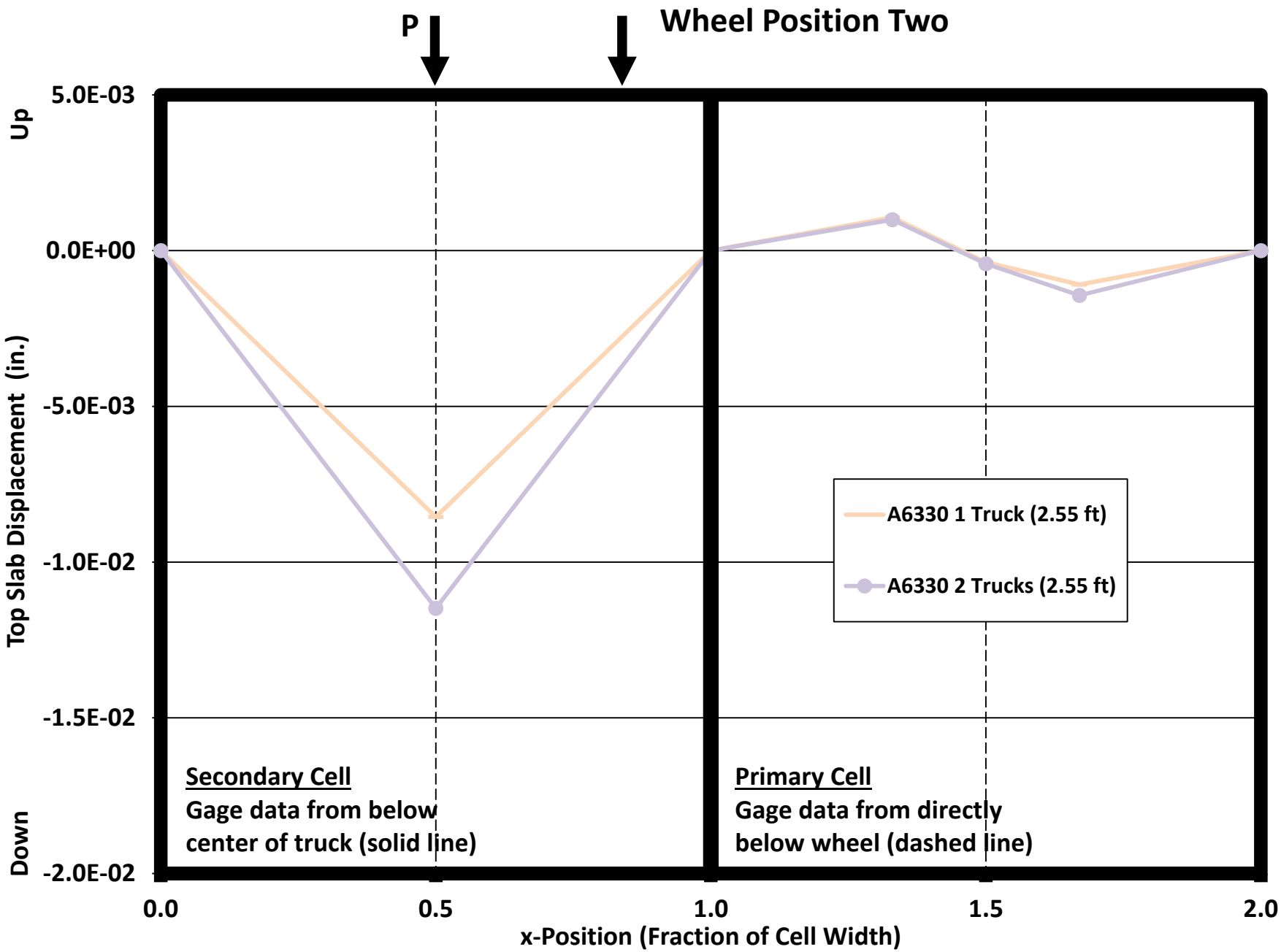

Wheel Position Four
P
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

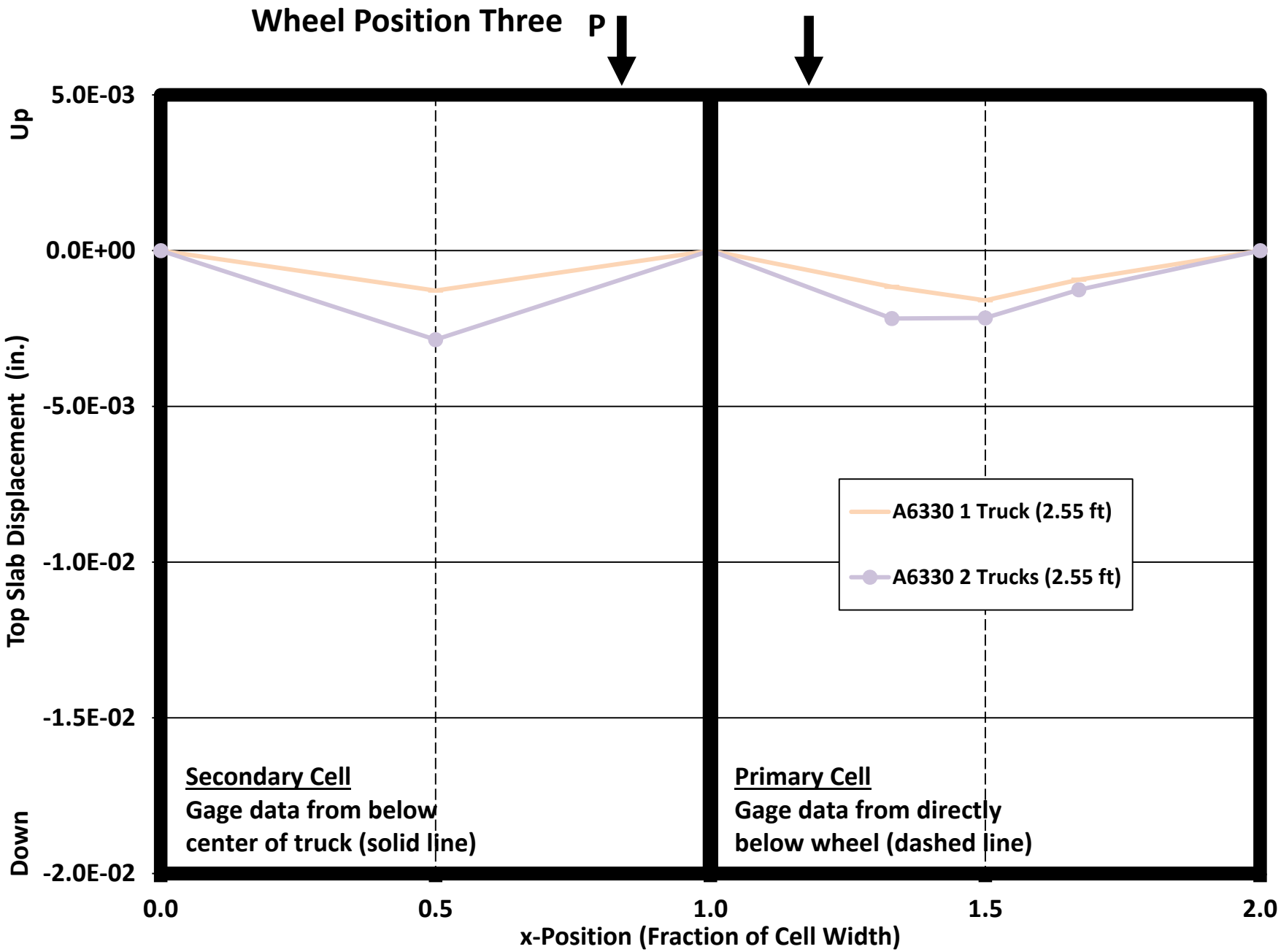

Wheel Position Five
P
Up
Down
Top Slab Displacement (in.)
0.005
0.000
-0.005
-0.010
-0.015
-0.020
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

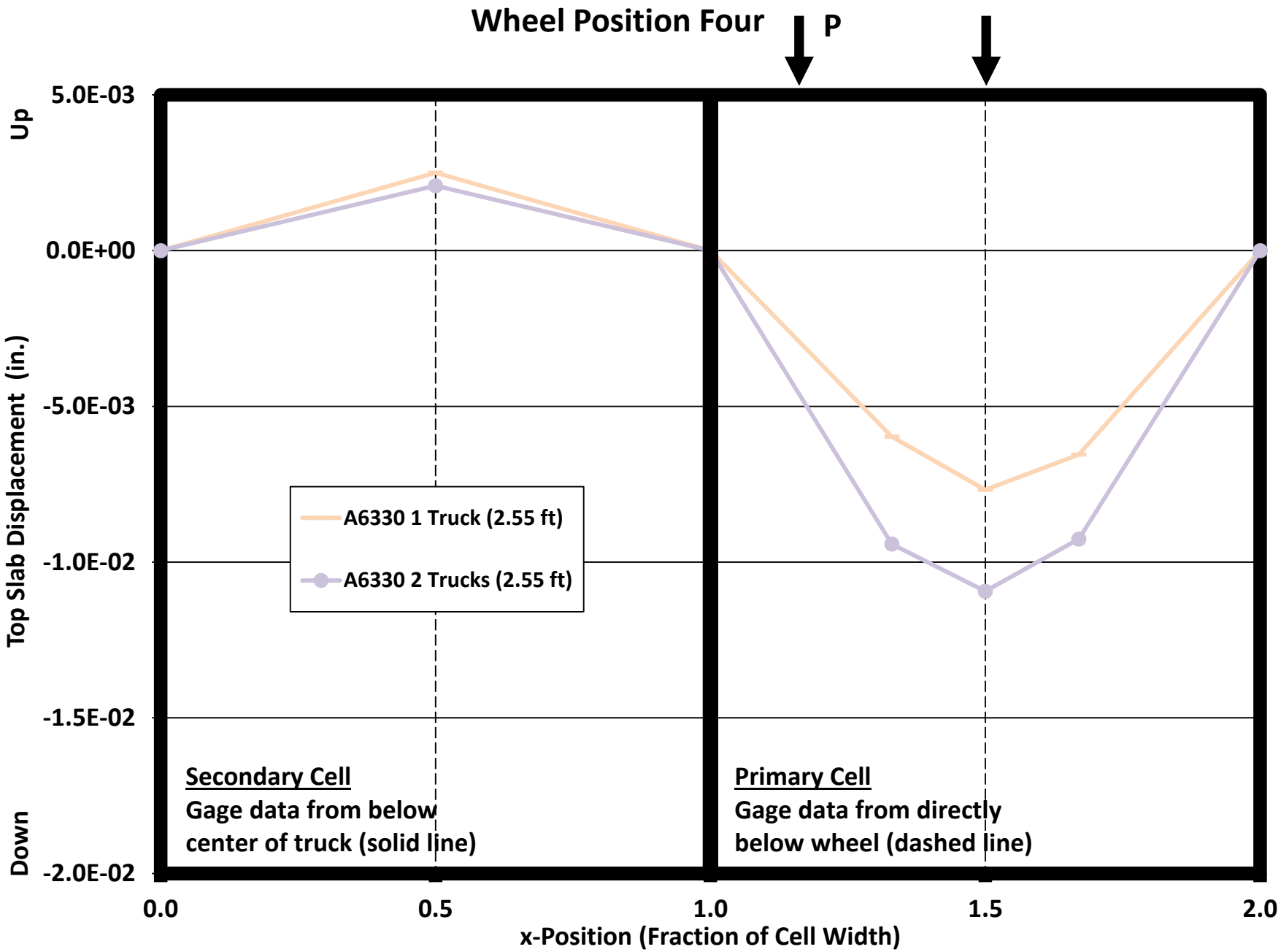

Wheel Position Six
P
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

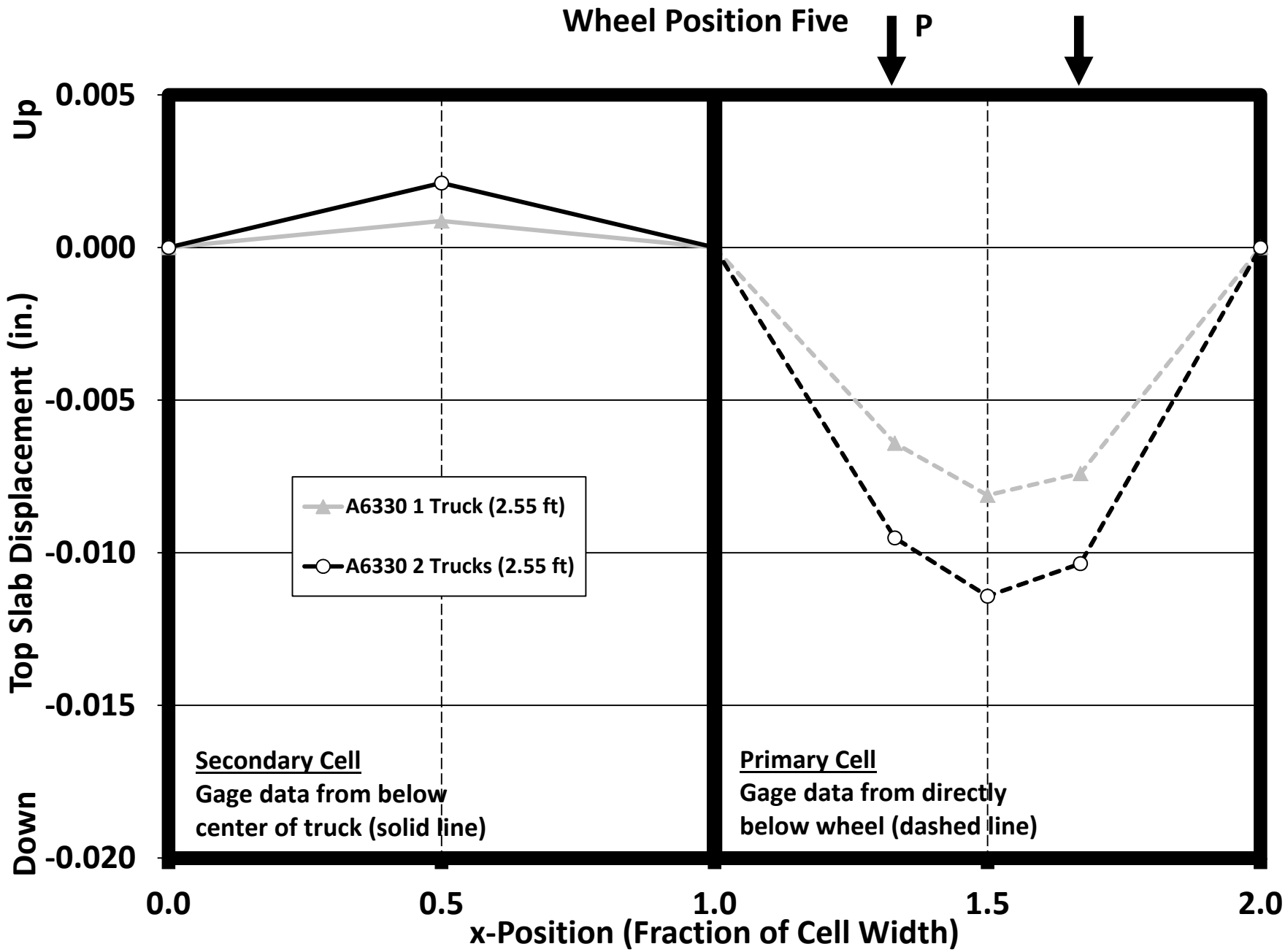

Wheel Position Seven
P
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

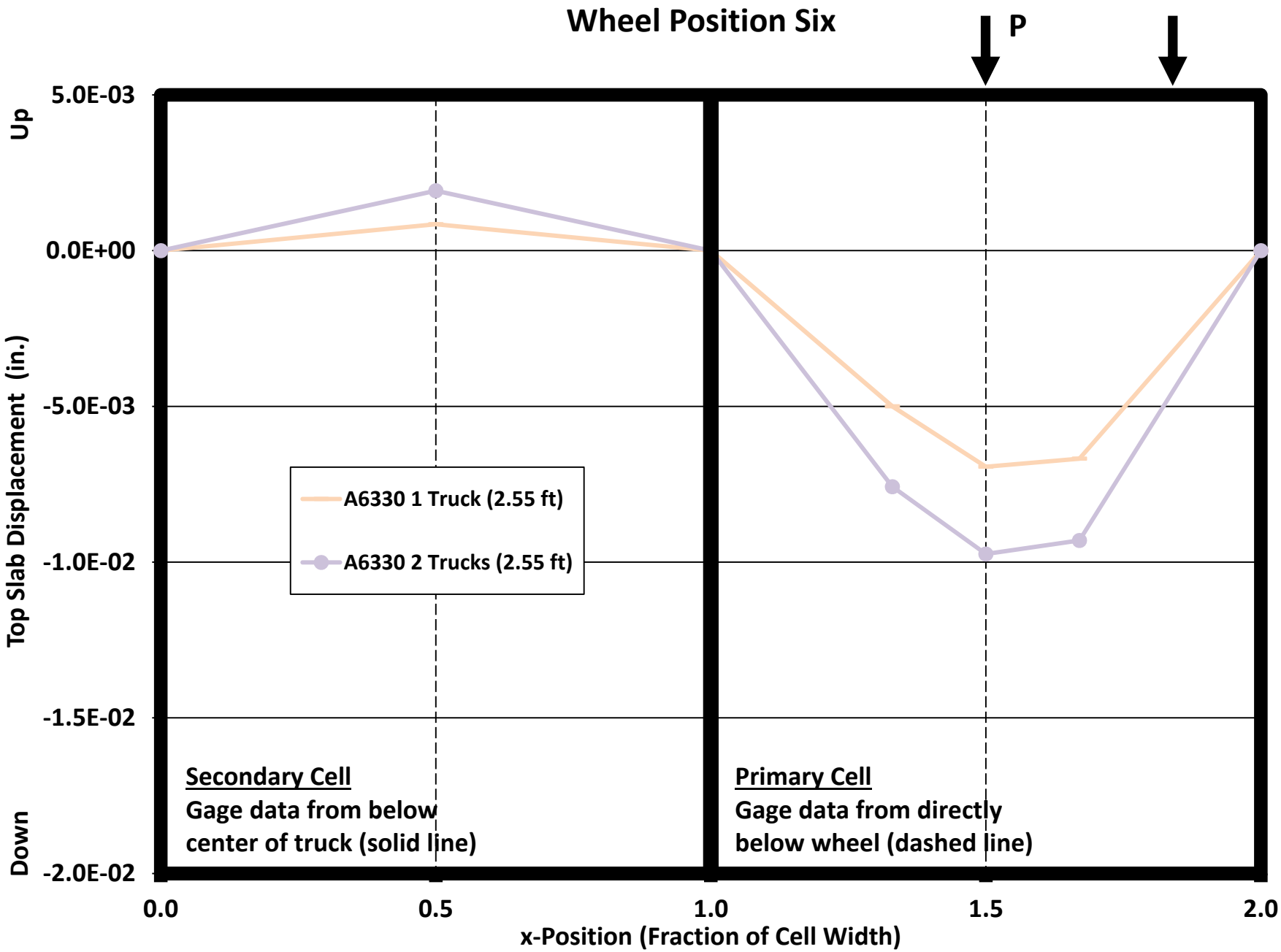

P
Wheel Position One
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

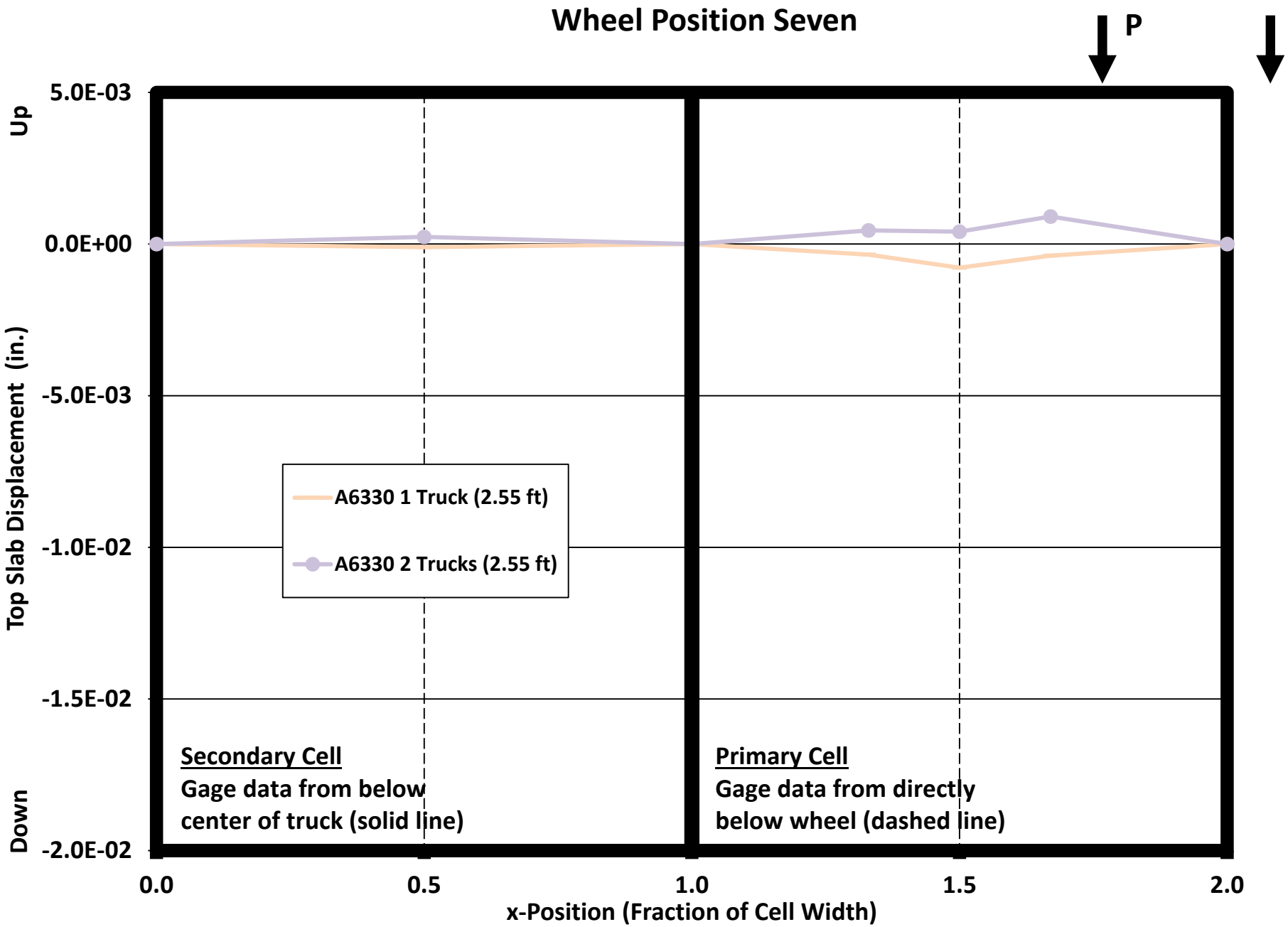

P
Wheel Position Two
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

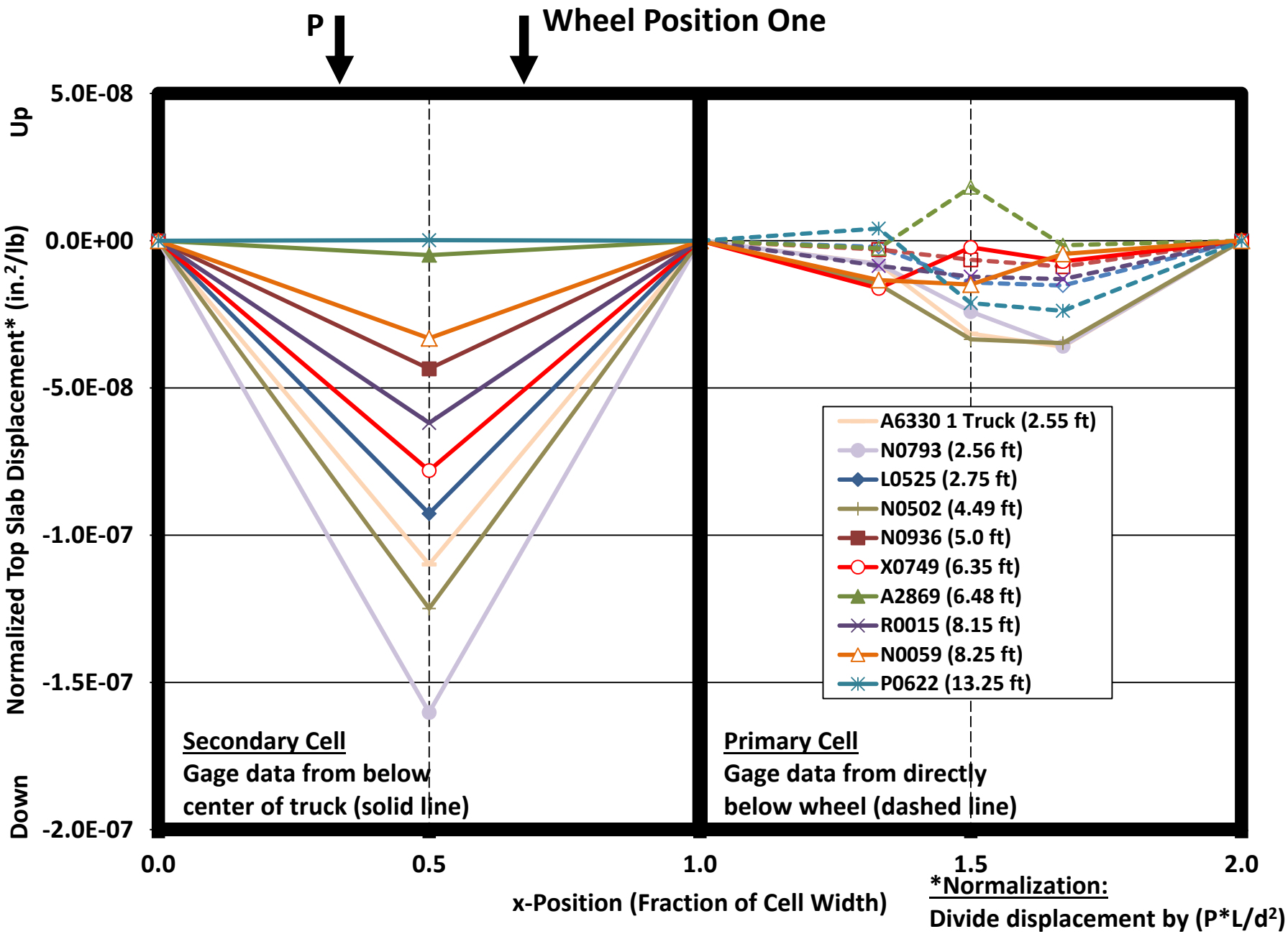

Wheel Position Three
P
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

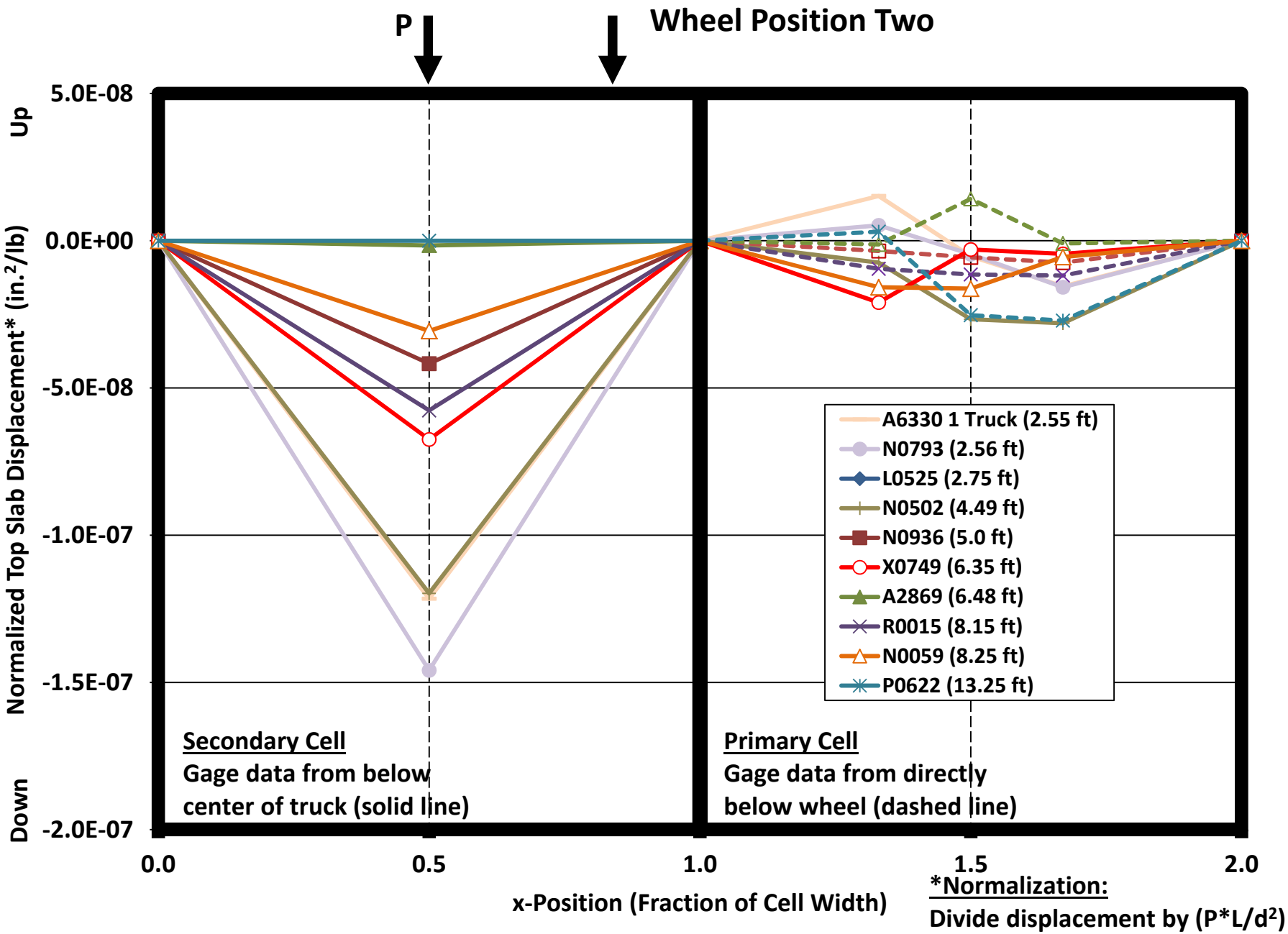

Wheel Position Four
P
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

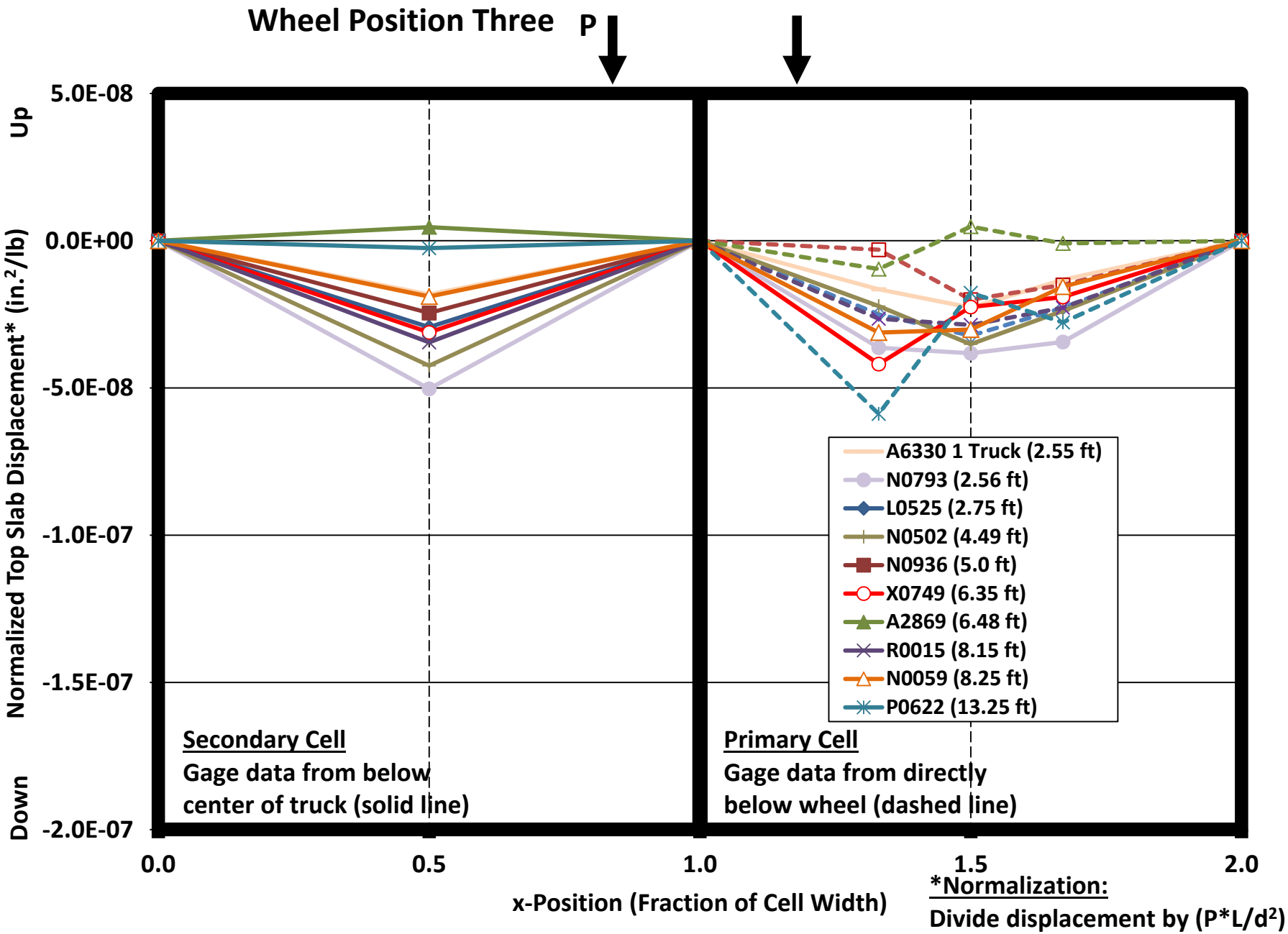

Wheel Position Five
P
Up
Down
Top Slab Displacement (in.)
0.005
0.000
-0.005
-0.010
-0.015
-0.020
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

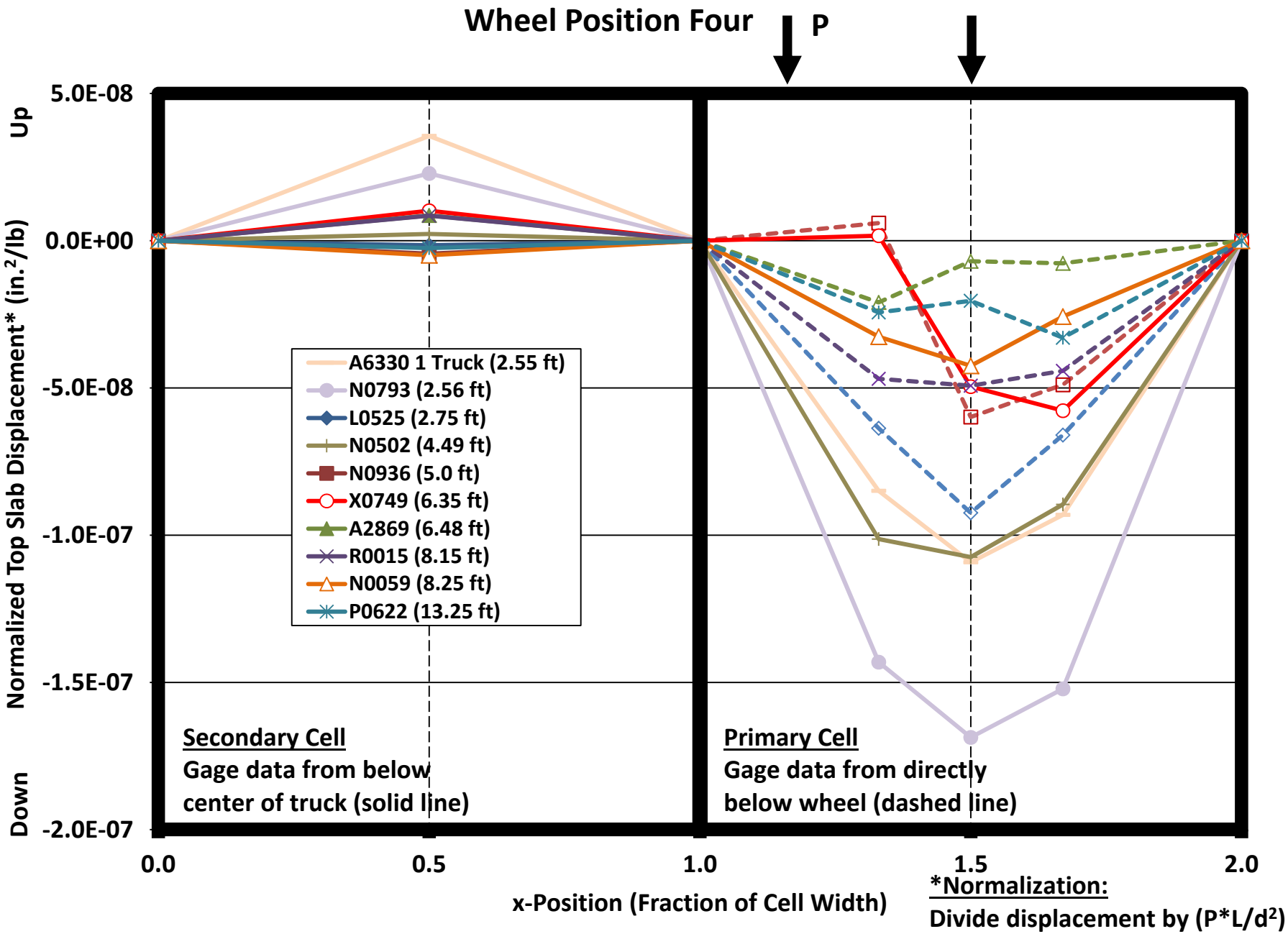

Wheel Position Six
P
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
Up
Down
Top Slab Displacement (in.)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)

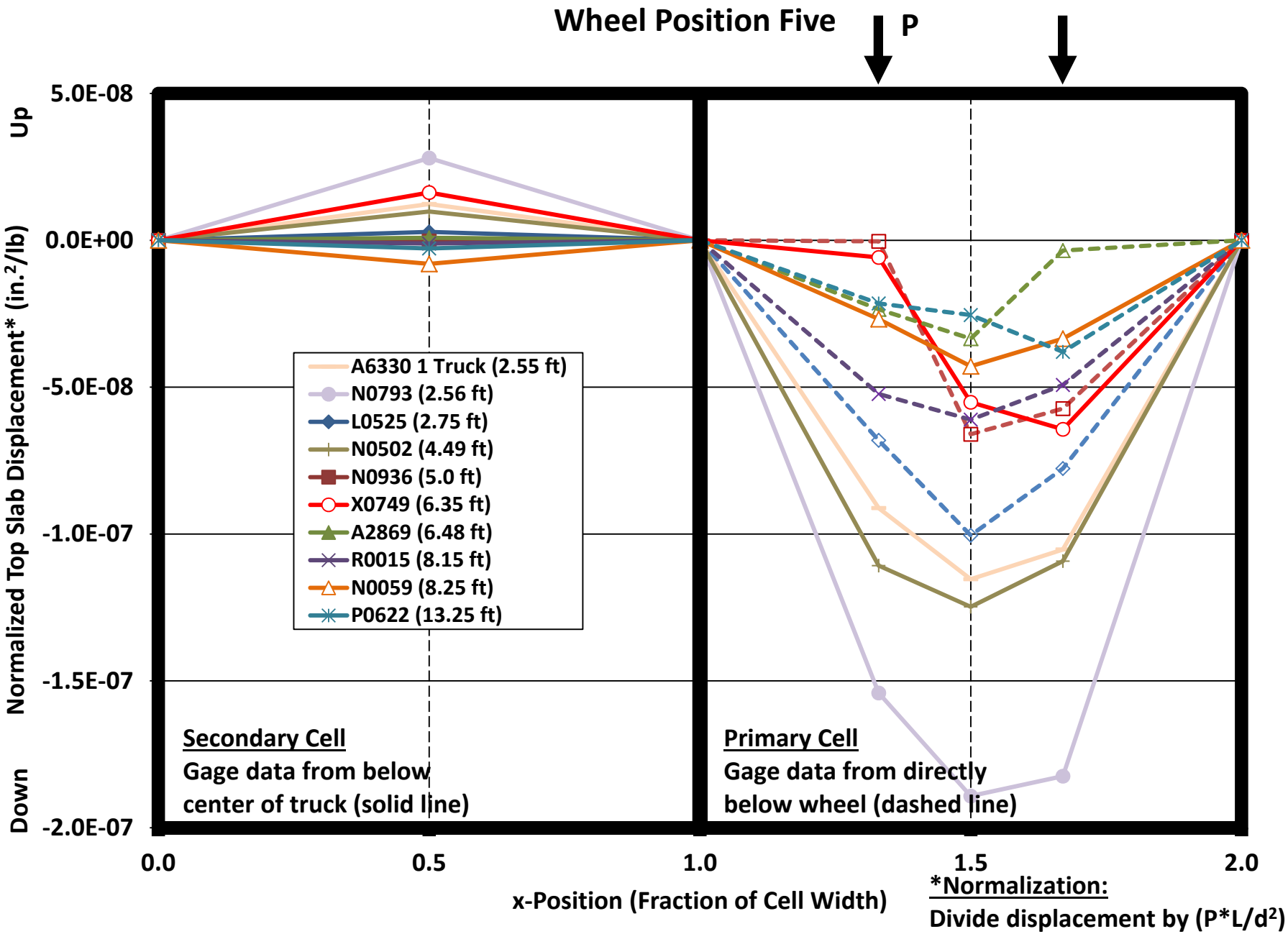

Wheel Position Seven
P
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
A6330 2 Trucks (2.55 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)

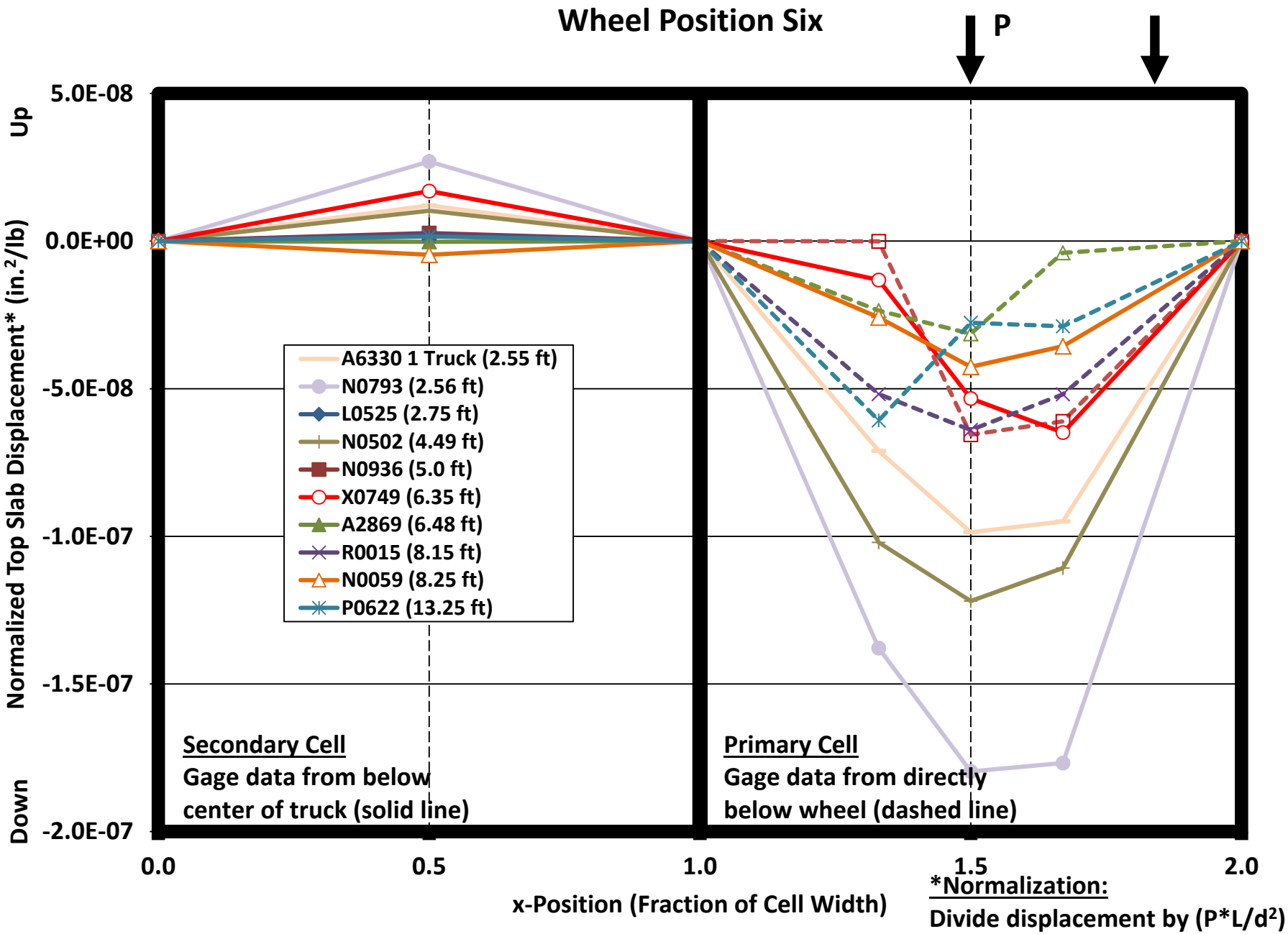

P
Wheel Position One
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
*Normalization:
Divide displacement by (P*L/d²)

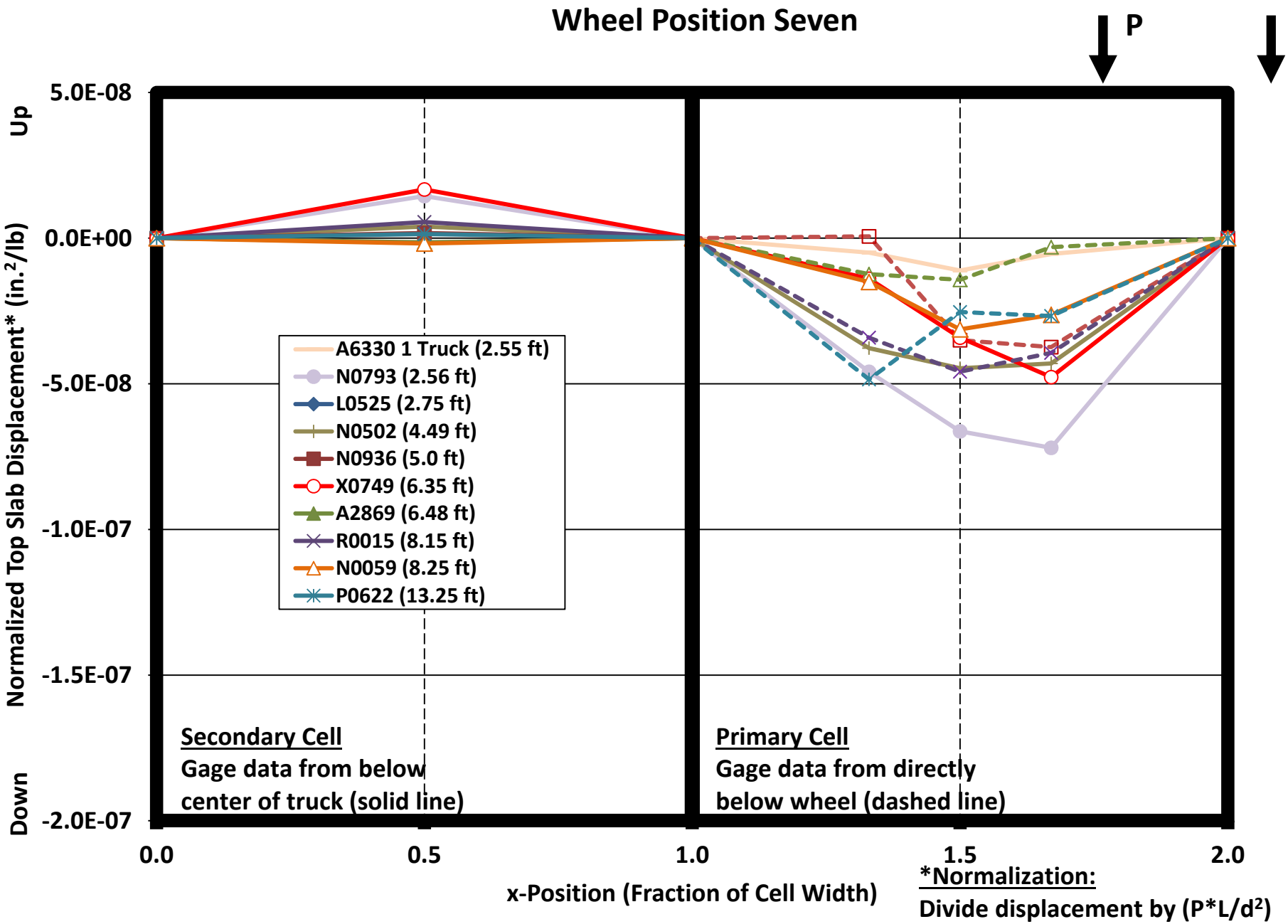

P
Wheel Position Two
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide displacement by (P*L/d²)

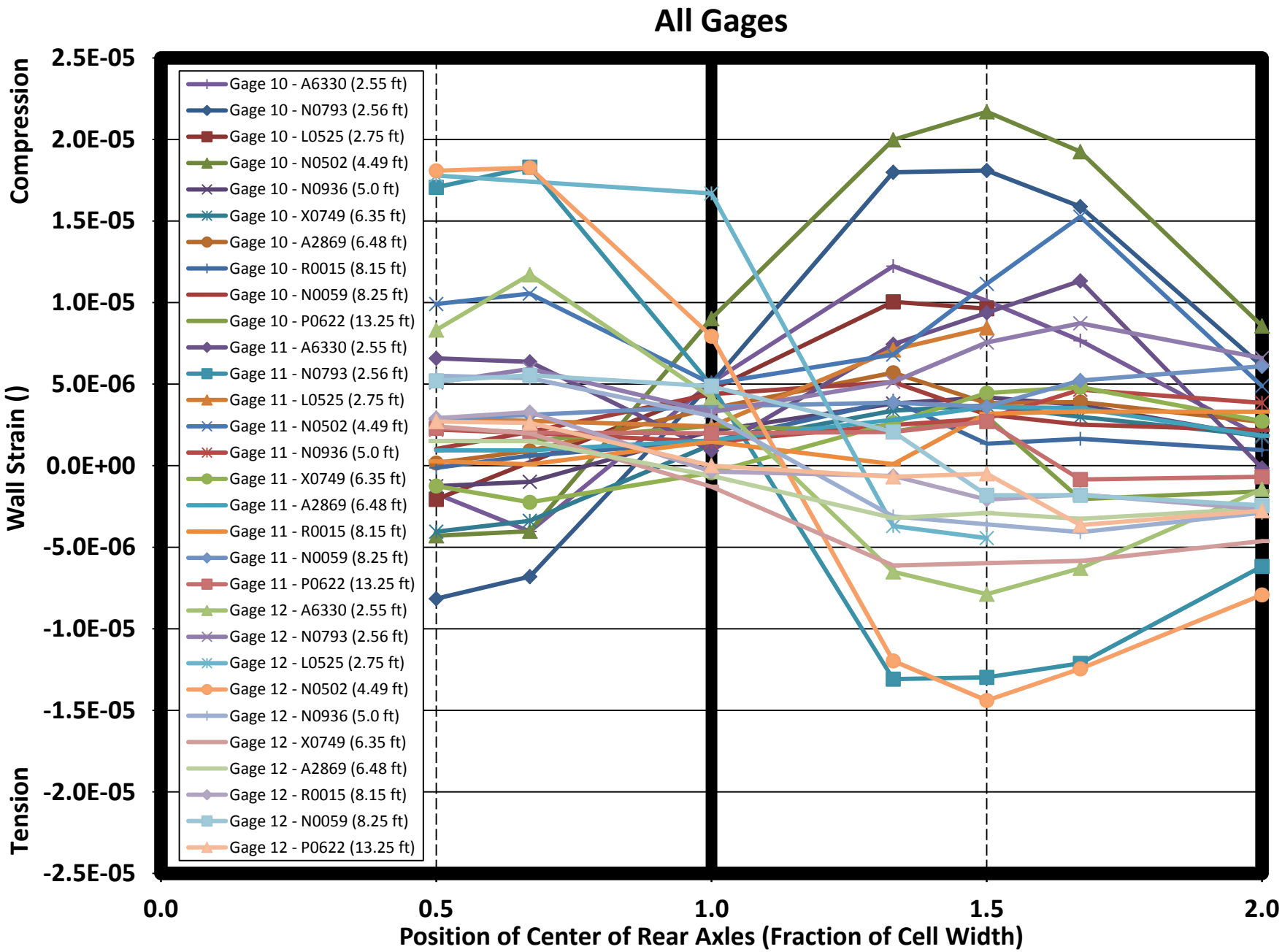

Wheel Position Three
P
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
*Normalization:
Divide displacement by (P*L/d²)

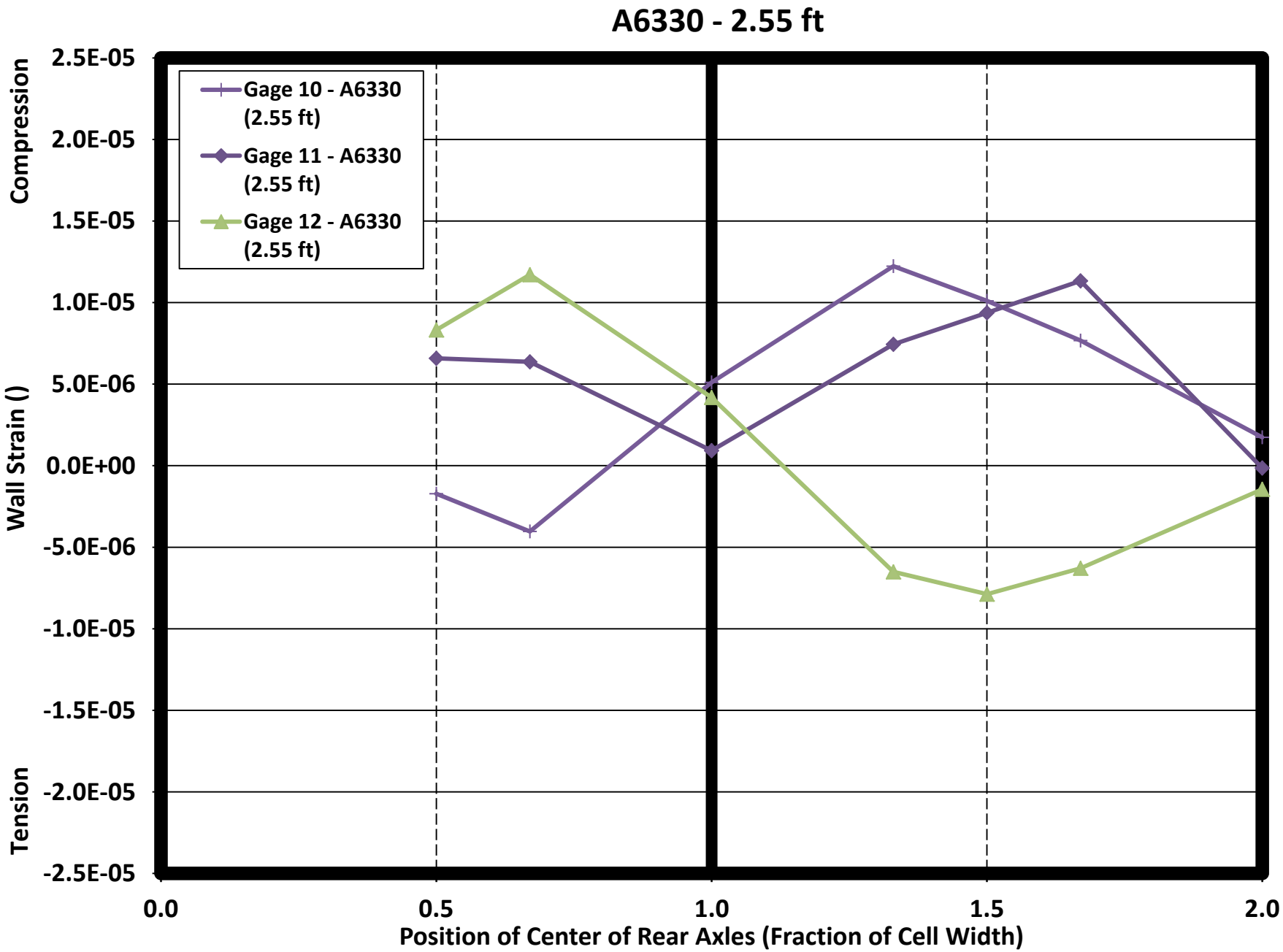

Wheel Position Four
P
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide displacement by (P*L/d²)

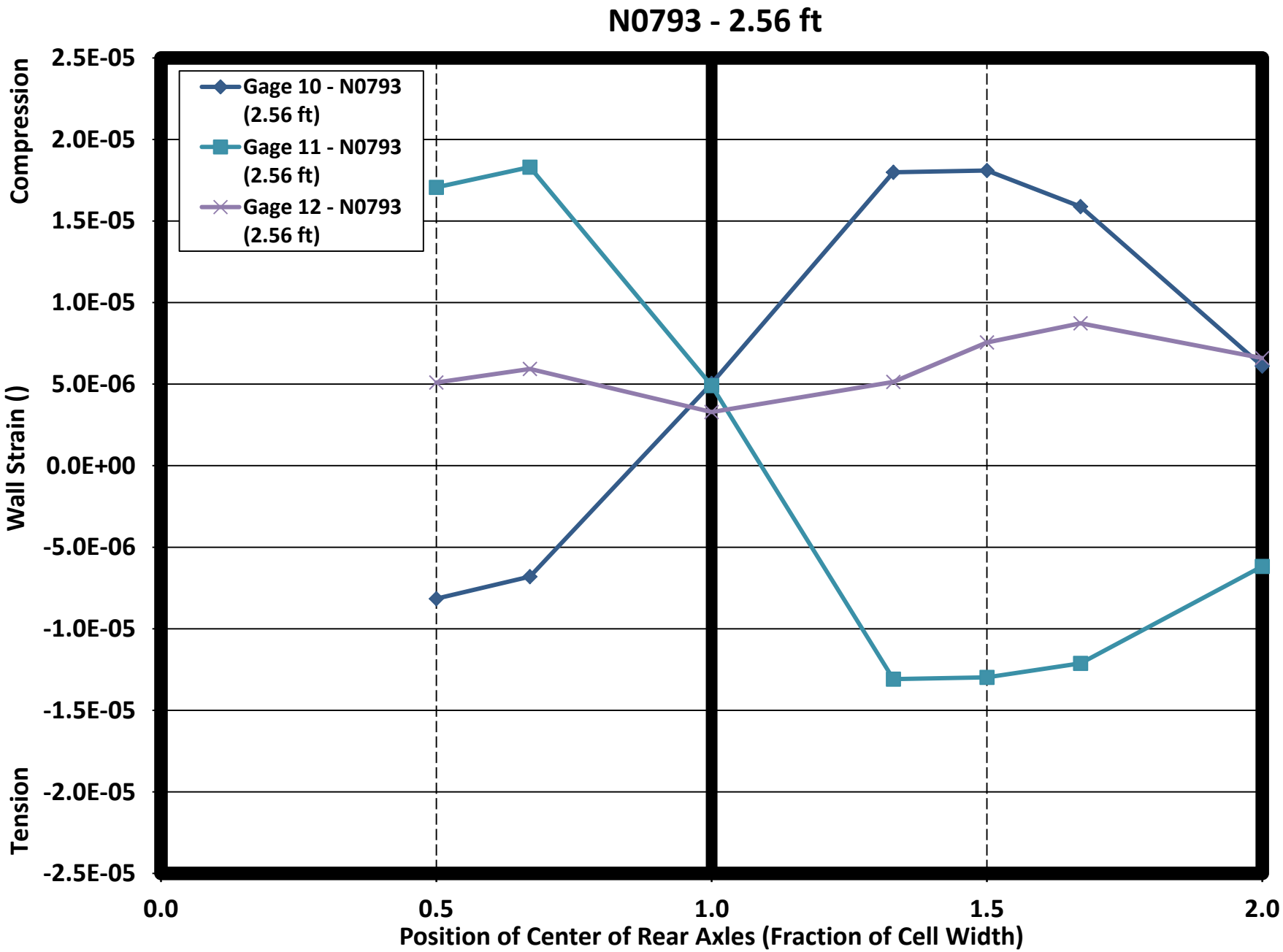

Wheel Position Five
P
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below center of truck (solid line)
Primary Cell
Gage data from directly below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide displacement by (P*L/d²)

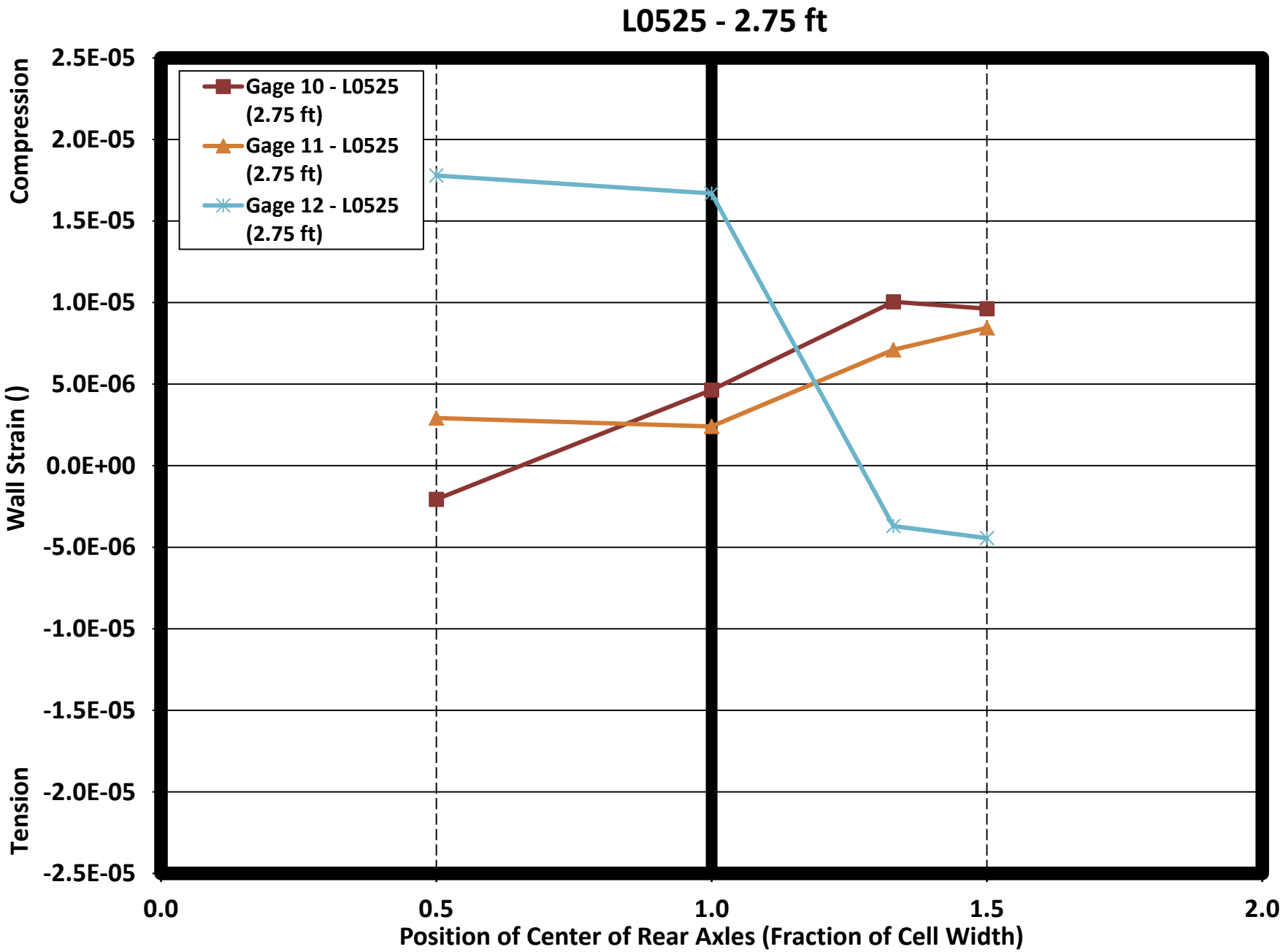

Wheel Position Six
P
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide displacement by (P*L/d²)

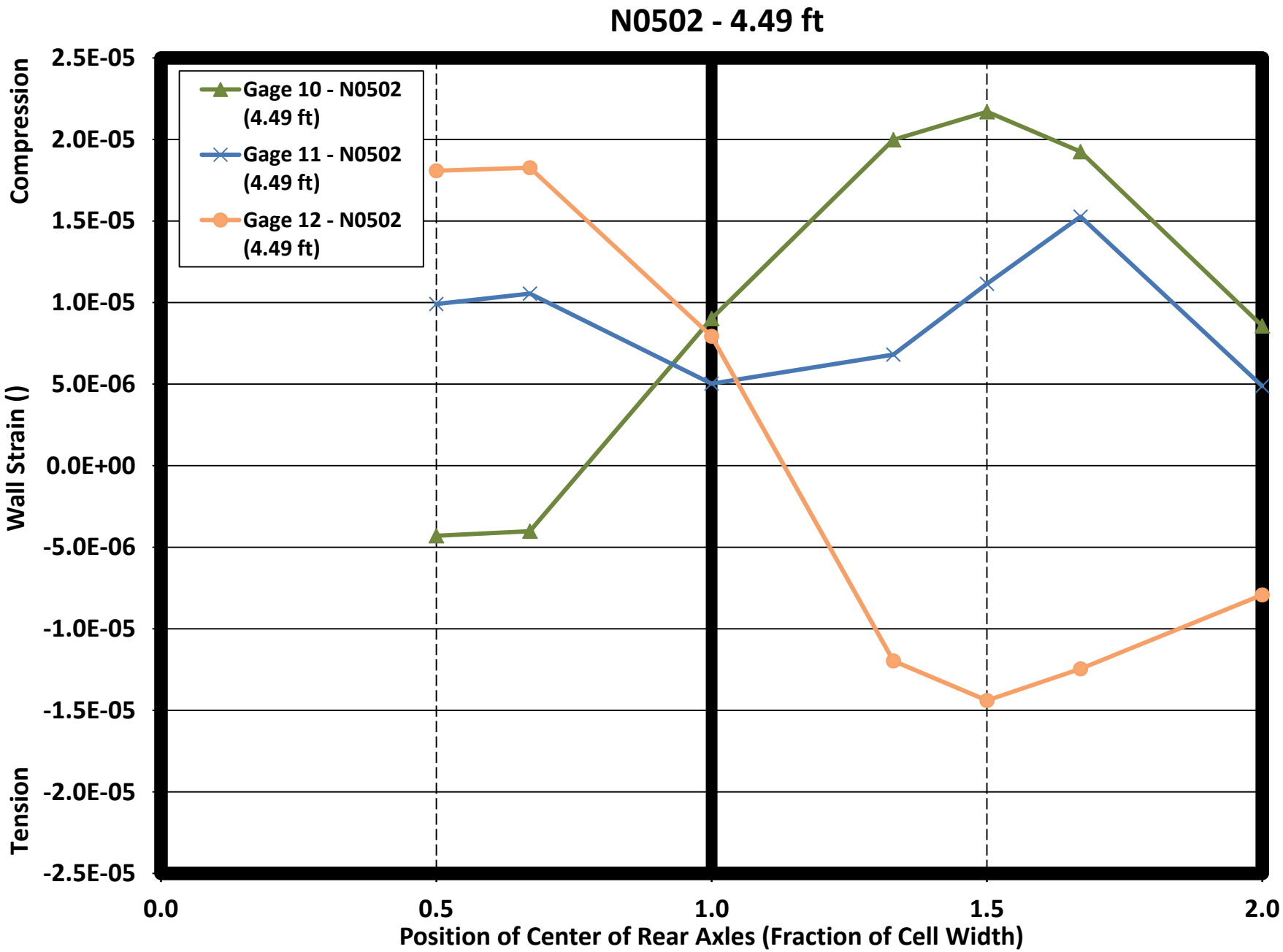

Wheel Position Seven
P
Up
Down
Normalized Top Slab Displacement* (in.²/lb)
5.0E-08
0.0E+00
-5.0E-08
-1.0E-07
-1.5E-07
-2.0E-07
A6330 1 Truck (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)
Secondary Cell
Gage data from below
center of truck (solid line)
Primary Cell
Gage data from directly
below wheel (dashed line)
0.0
0.5
1.0
1.5
2.0
x-Position (Fraction of Cell Width)
*Normalization:
Divide displacement by (P*L/d²)

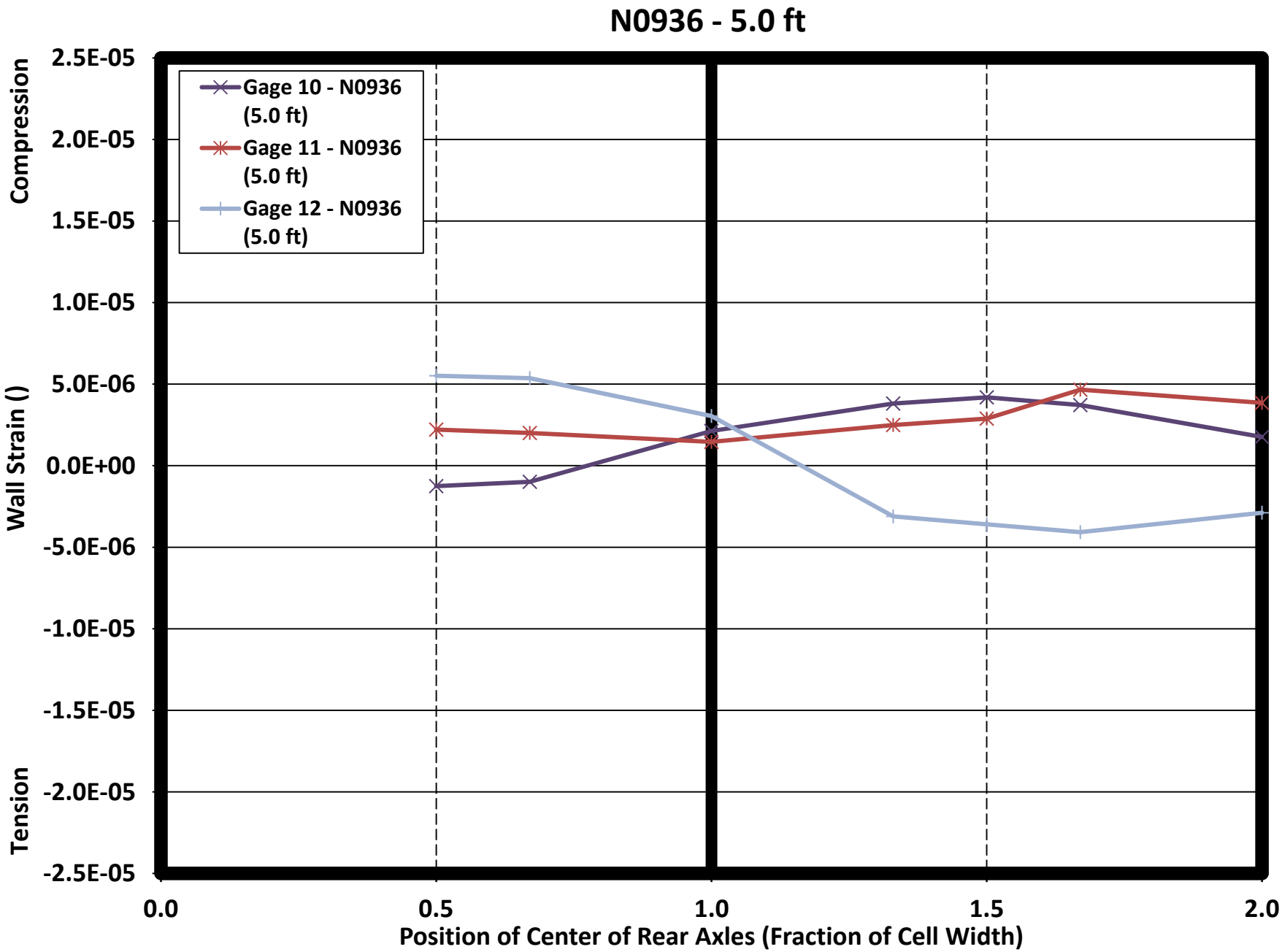

All Gages
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)
Gage 10 - A6330 (2.55 ft)
Gage 10 - N0793 (2.56 ft)
Gage 10 - L0525 (2.75 ft)
Gage 10 - N0502 (4.49 ft)
Gage 10 - N0936 (5.0 ft)
Gage 10 - X0749 (6.35 ft)
Gage 10 - A2869 (6.48 ft)
Gage 10 - R0015 (8.15 ft)
Gage 10 - N0059 (8.25 ft)
Gage 10 - P0622 (13.25 ft)
Gage 11 - A6330 (2.55 ft)
Gage 11 - N0793 (2.56 ft)
Gage 11 - L0525 (2.75 ft)
Gage 11 - N0502 (4.49 ft)
Gage 11 - N0936 (5.0 ft)
Gage 11 - X0749 (6.35 ft)
Gage 11 - A2869 (6.48 ft)
Gage 11 - R0015 (8.15 ft)
Gage 11 - N0059 (8.25 ft)
Gage 11 - P0622 (13.25 ft)
Gage 12 - A6330 (2.55 ft)
Gage 12 - N0793 (2.56 ft)
Gage 12 - L0525 (2.75 ft)
Gage 12 - N0502 (4.49 ft)
Gage 12 - N0936 (5.0 ft)
Gage 12 - X0749 (6.35 ft)
Gage 12 - A2869 (6.48 ft)
Gage 12 - R0015 (8.15 ft)
Gage 12 - N0059 (8.25 ft)
Gage 12 - P0622 (13.25 ft)

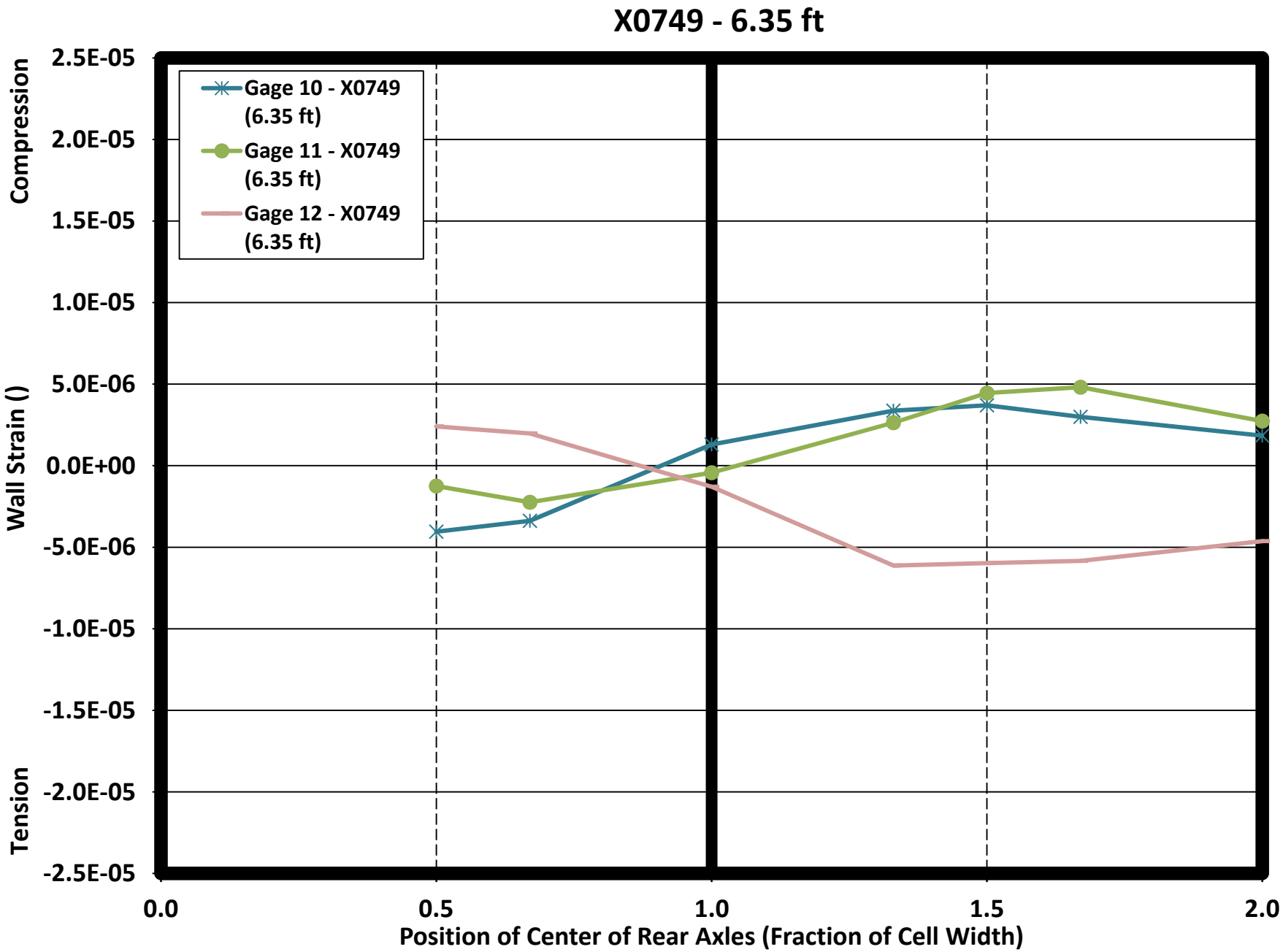

A6330 - 2.55 ft
Gage 10 - A6330 (2.55 ft)
Gage 11 - A6330 (2.55 ft)
Gage 12 - A6330 (2.55 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

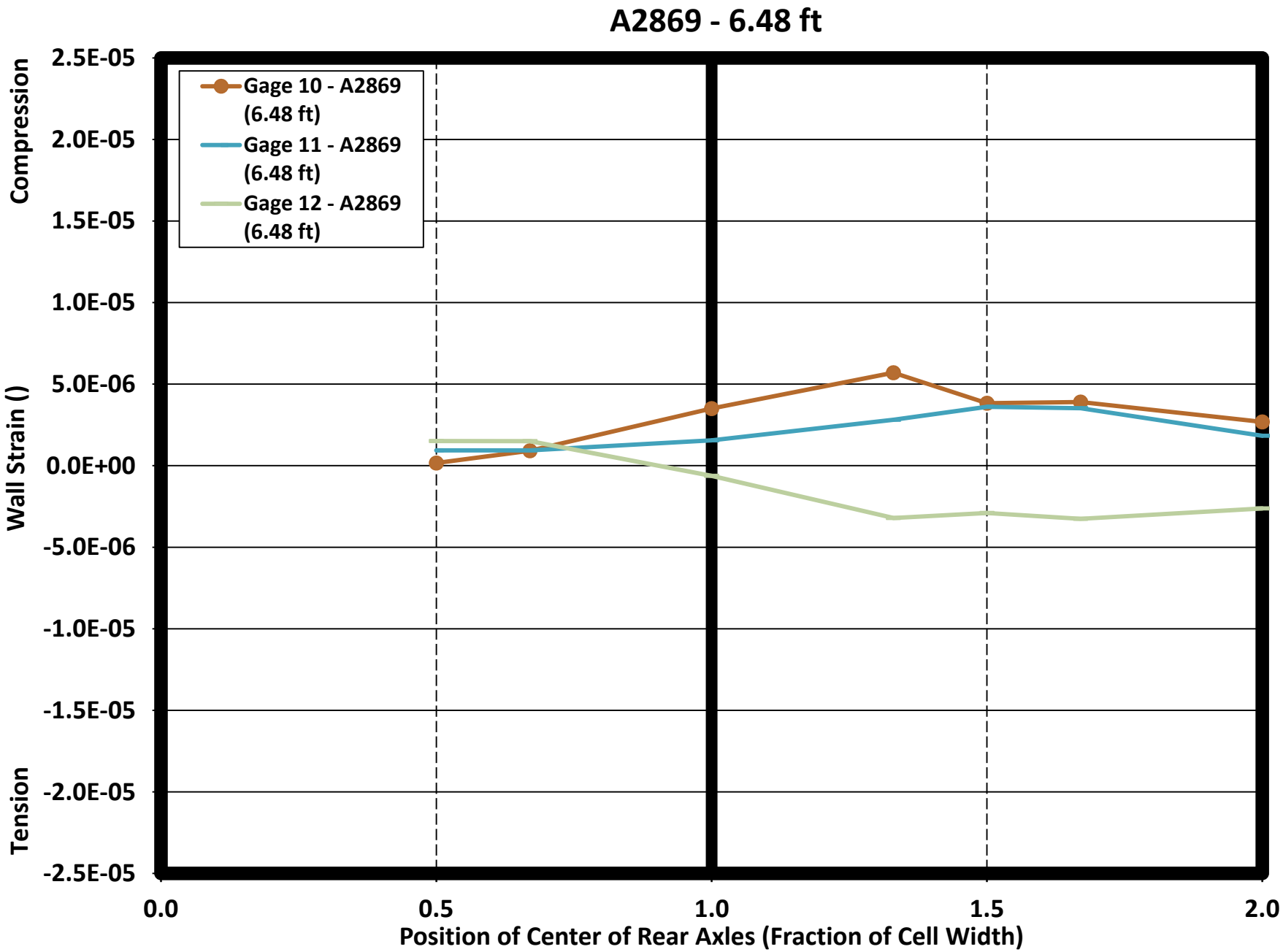

N0793 - 2.56 ft
Gage 10 - N0793 (2.56 ft)
Gage 11 - N0793 (2.56 ft)
Gage 12 - N0793 (2.56 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

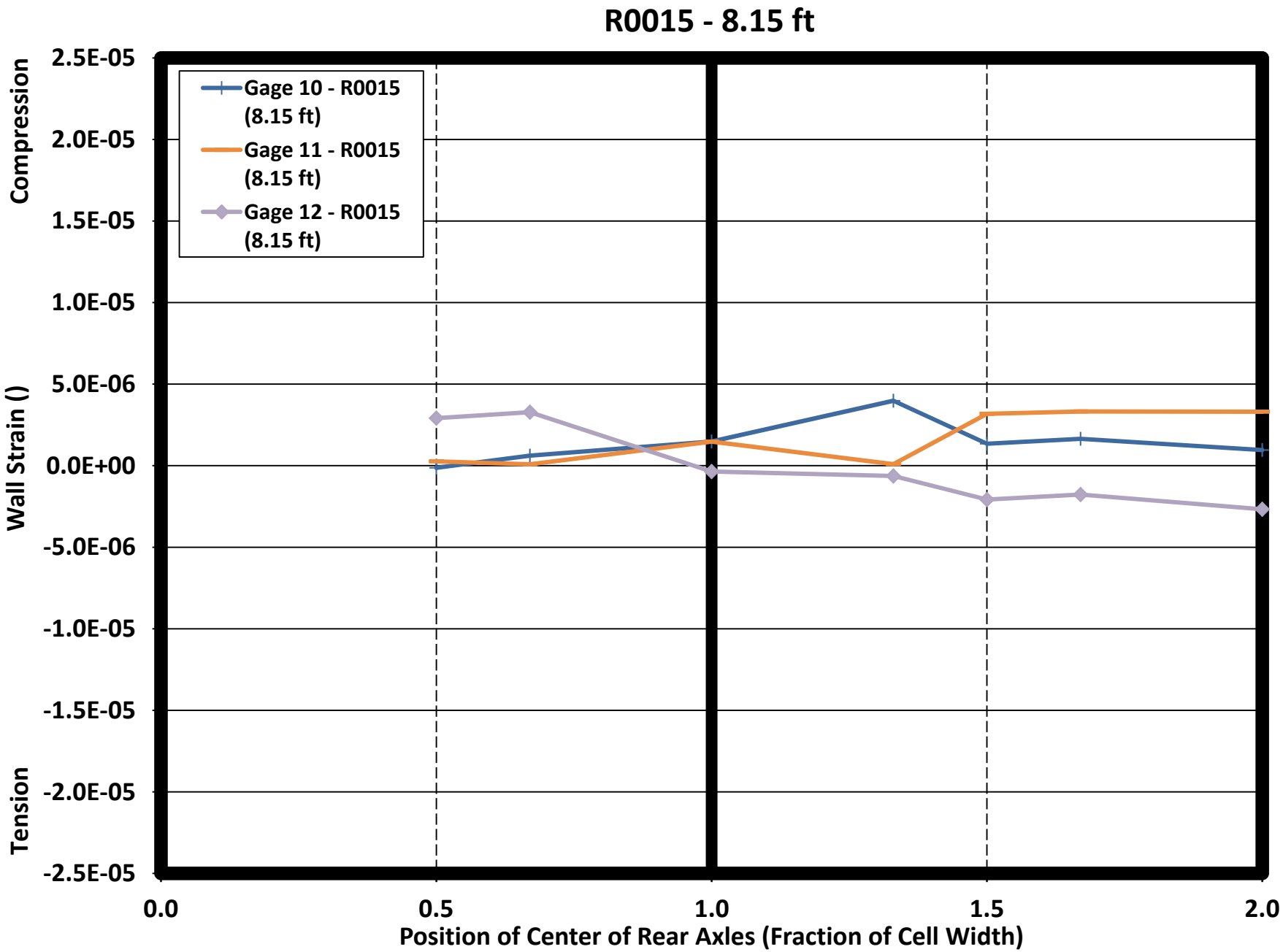

L0525 - 2.75 ft
Gage 10 - L0525 (2.75 ft)
Gage 11 - L0525 (2.75 ft)
Gage 12 - L0525 (2.75 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

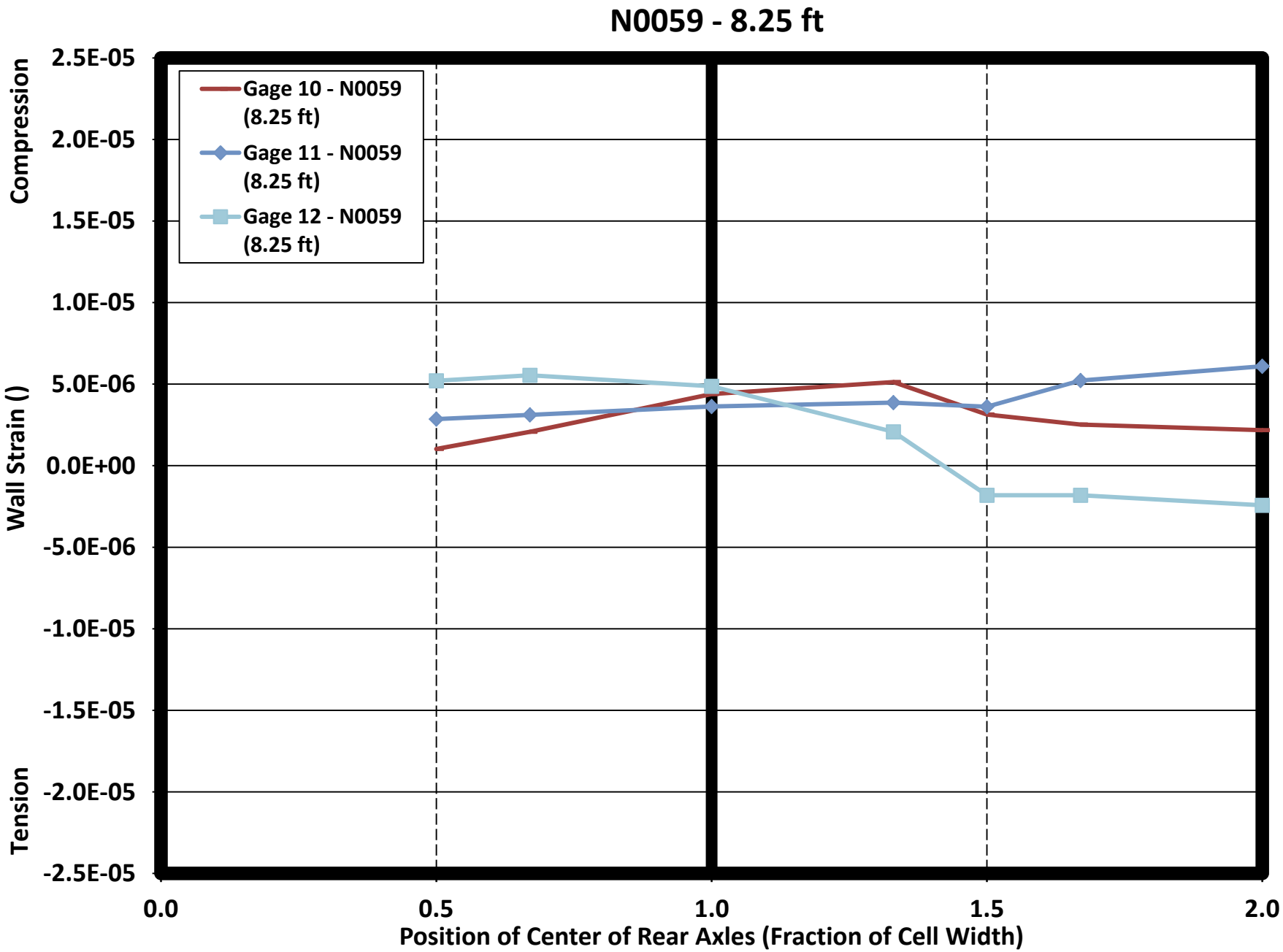

N0502 - 4.49 ft
Gage 10 - N0502 (4.49 ft)
Gage 11 - N0502 (4.49 ft)
Gage 12 - N0502 (4.49 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

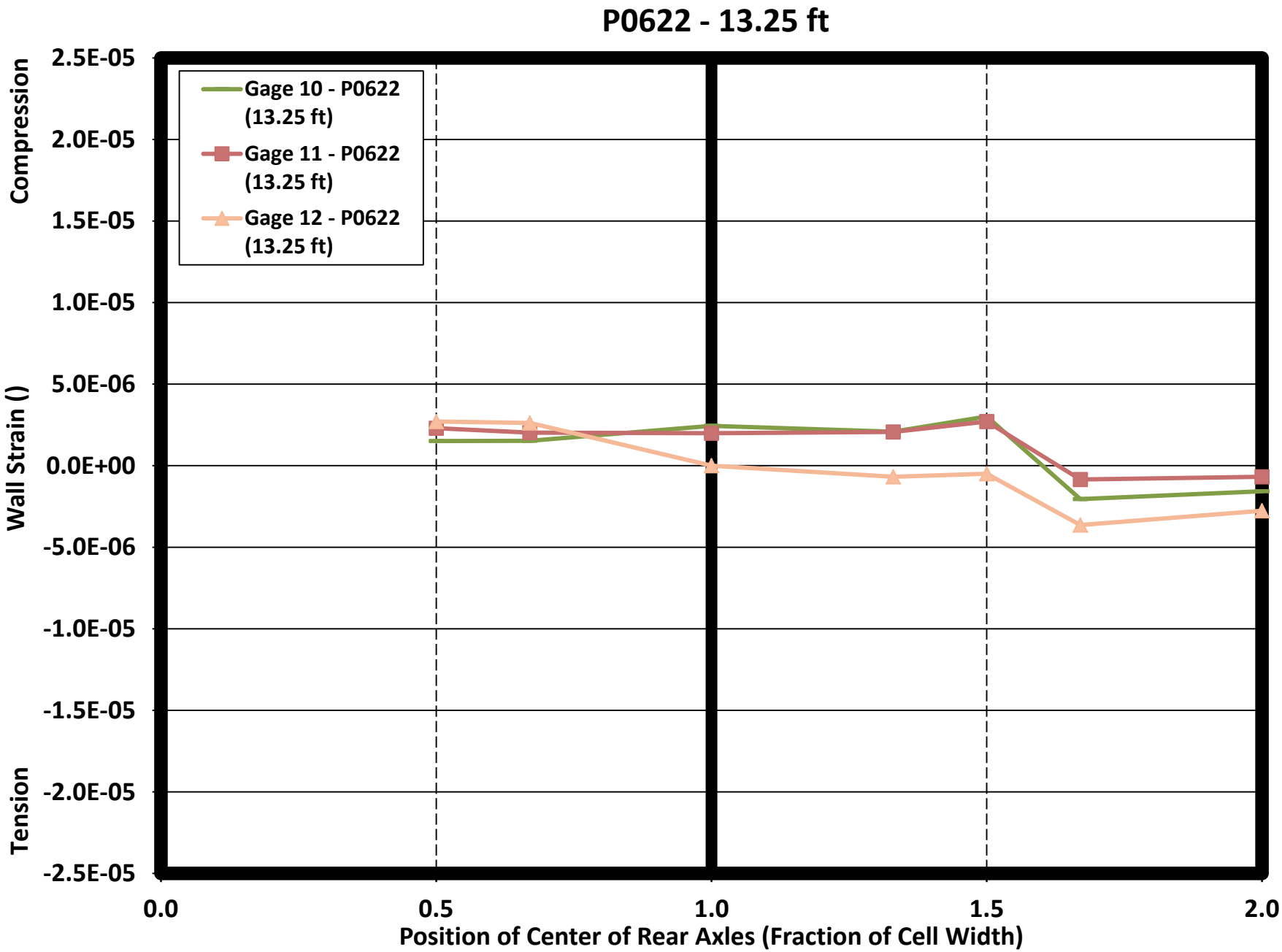

N0936 - 5.0 ft
Gage 10 - N0936 (5.0 ft)
Gage 11 - N0936 (5.0 ft)
Gage 12 - N0936 (5.0 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

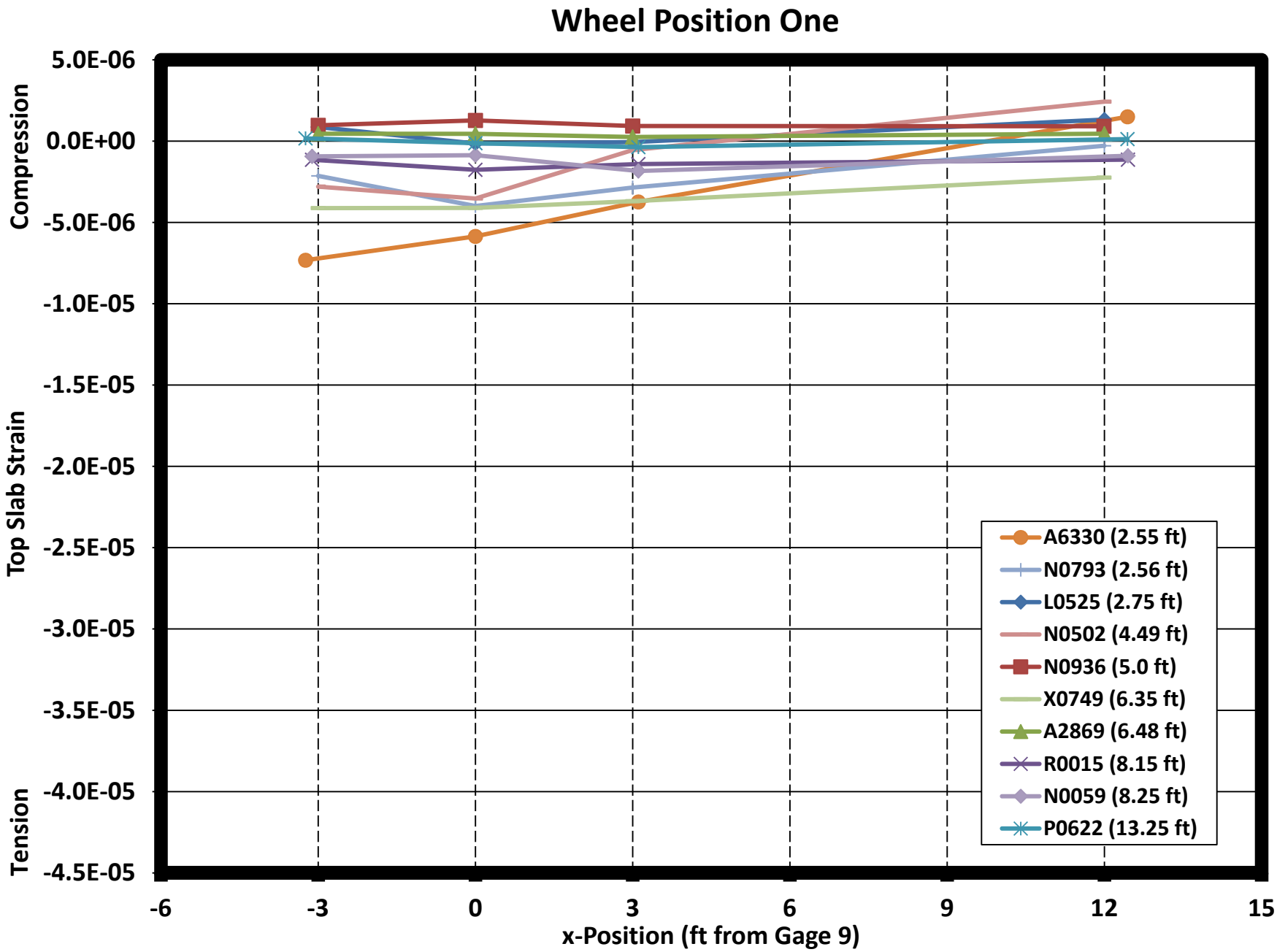

X0749 - 6.35 ft
Gage 10 - X0749 (6.35 ft)
Gage 11 - X0749 (6.35 ft)
Gage 12 - X0749 (6.35 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

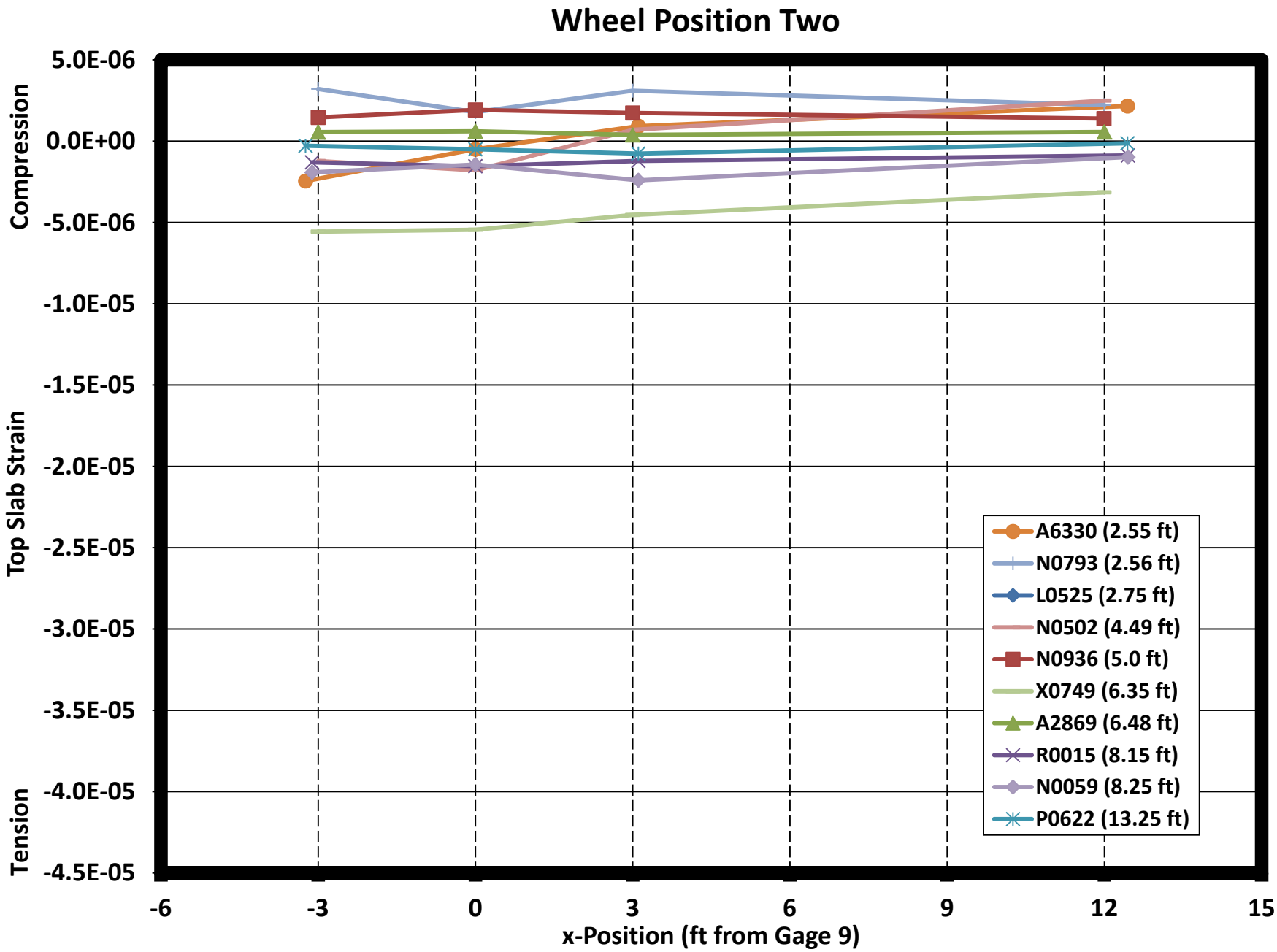

A2869 - 6.48 ft
Gage 10 - A2869 (6.48 ft)
Gage 11 - A2869 (6.48 ft)
Gage 12 - A2869 (6.48 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

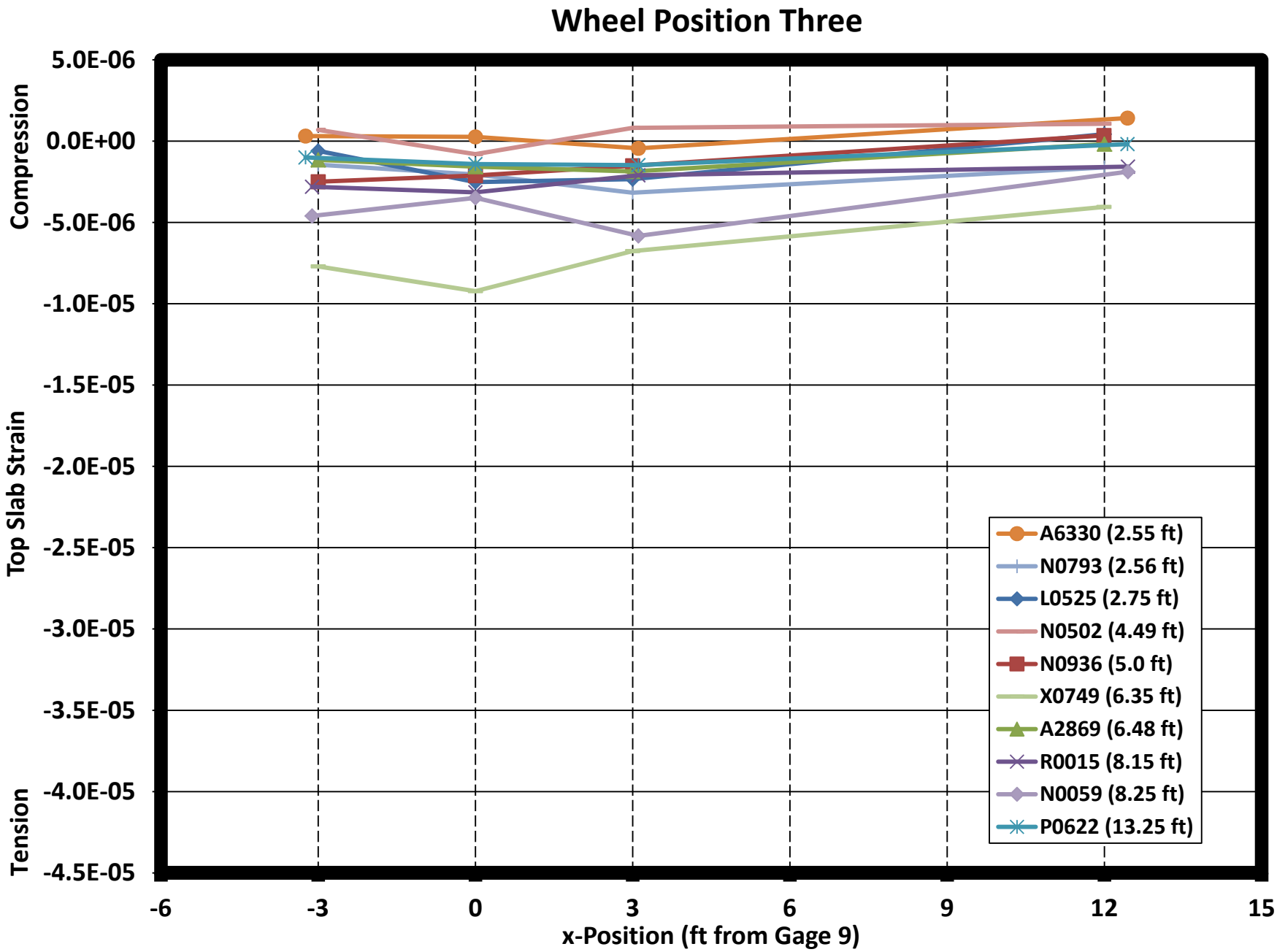

R0015 - 8.15 ft
Gage 10 - R0015 (8.15 ft)
Gage 11 - R0015 (8.15 ft)
Gage 12 - R0015 (8.15 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

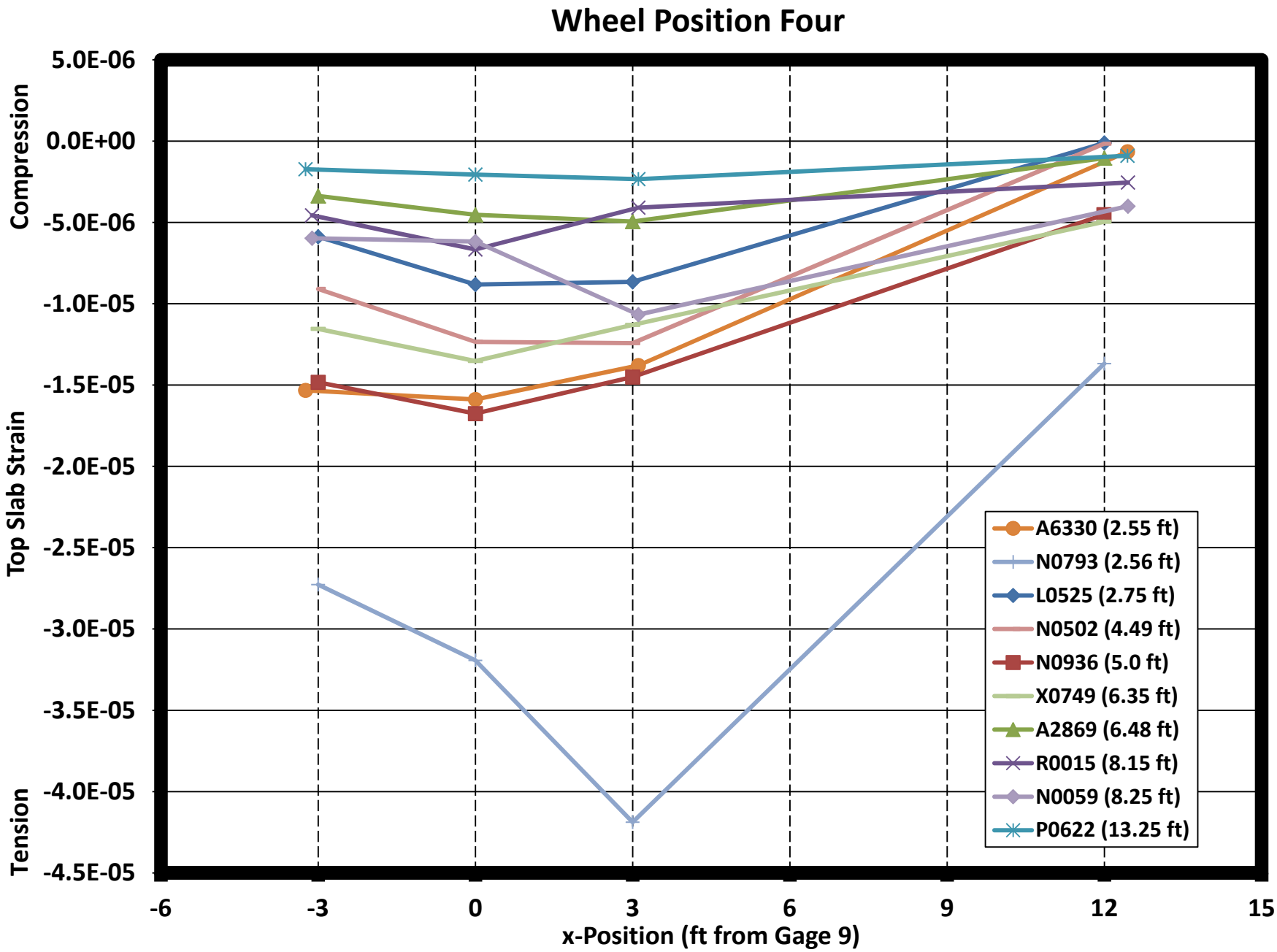

N0059 - 8.25 ft
Gage 10 - N0059 (8.25 ft)
Gage 11 - N0059 (8.25 ft)
Gage 12 - N0059 (8.25 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

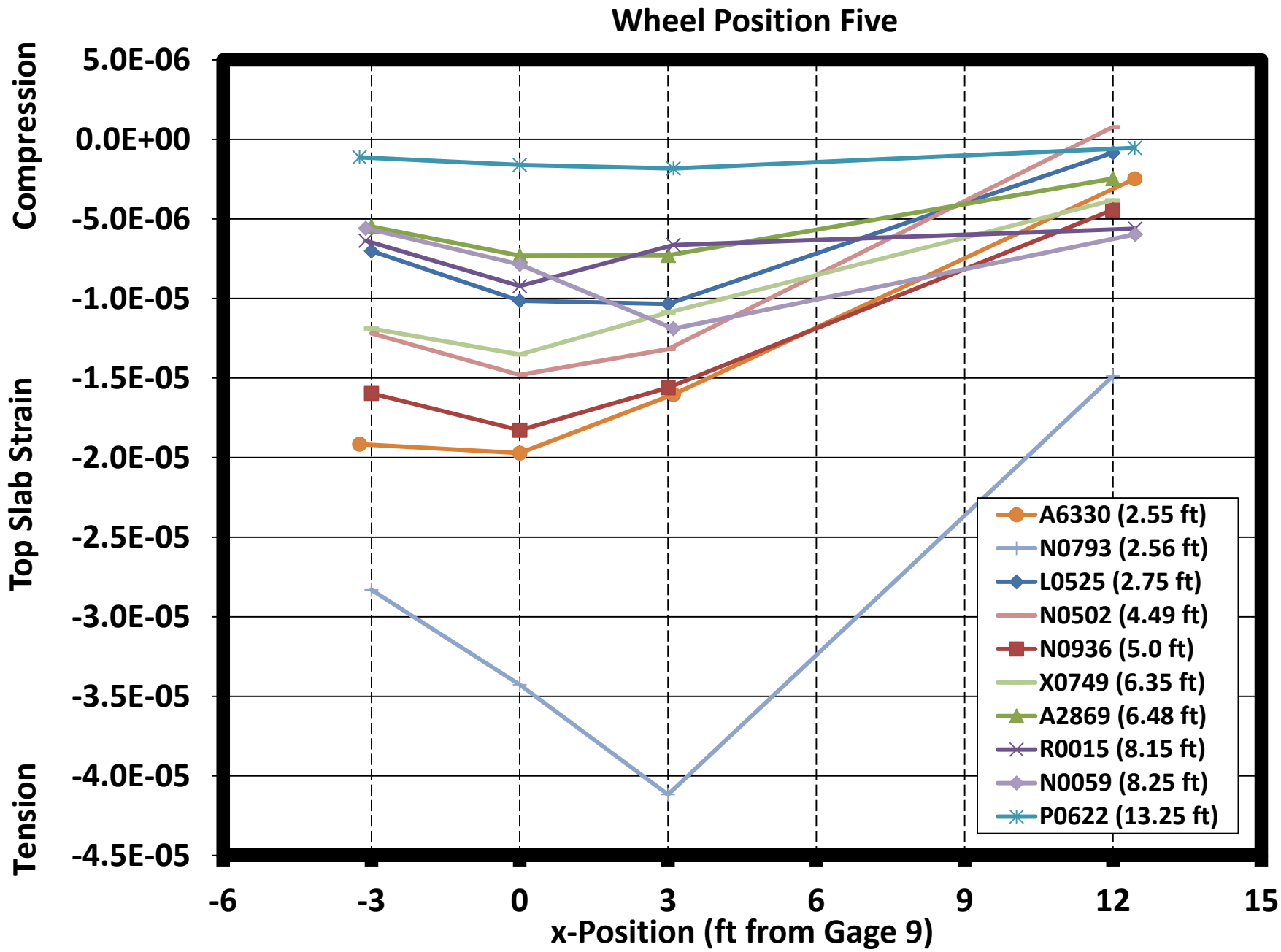

P0622 - 13.25 ft
Gage 10 - P0622 (13.25 ft)
Gage 11 - P0622 (13.25 ft)
Gage 12 - P0622 (13.25 ft)
Compression
Tension
Wall Strain ()
2.5E-05
2.0E-05
1.5E-05
1.0E-05
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
0.0
0.5
1.0
1.5
2.0
Position of Center of Rear Axles (Fraction of Cell Width)

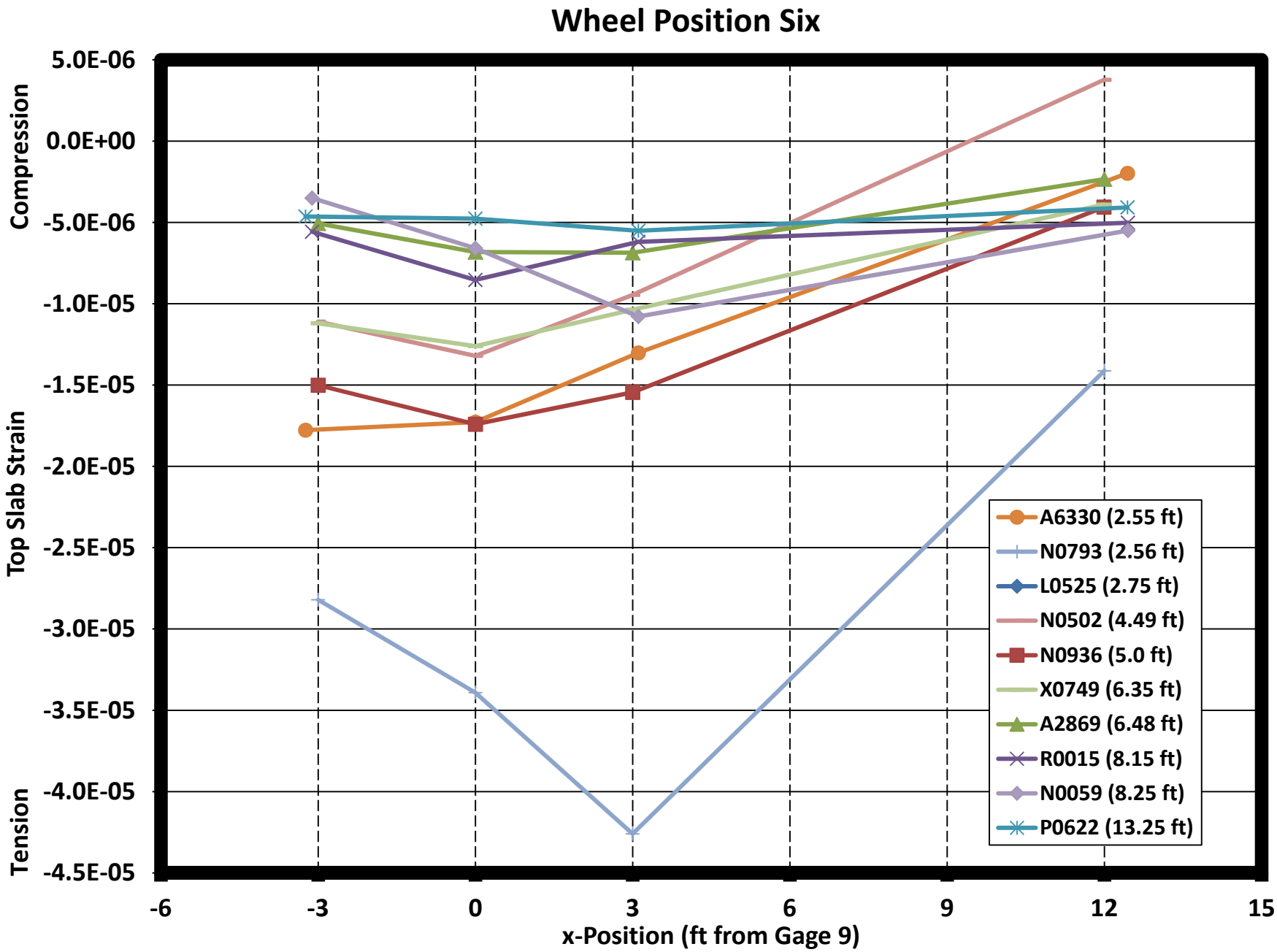

Wheel Position One
Compression
Tension
Top Slab Strain
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

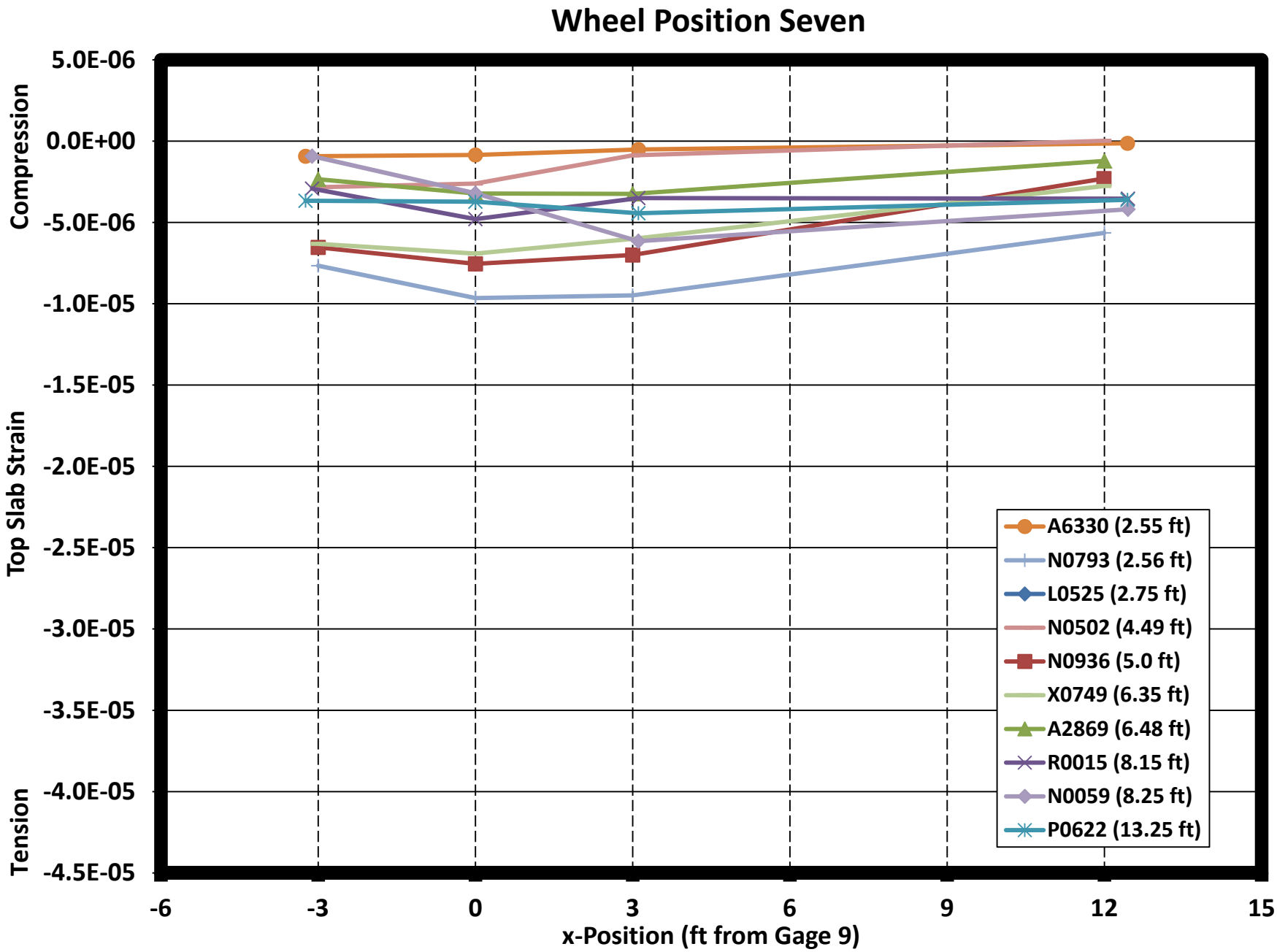

Wheel Position Two
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
Compression
Top Slab Strain
Tension
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

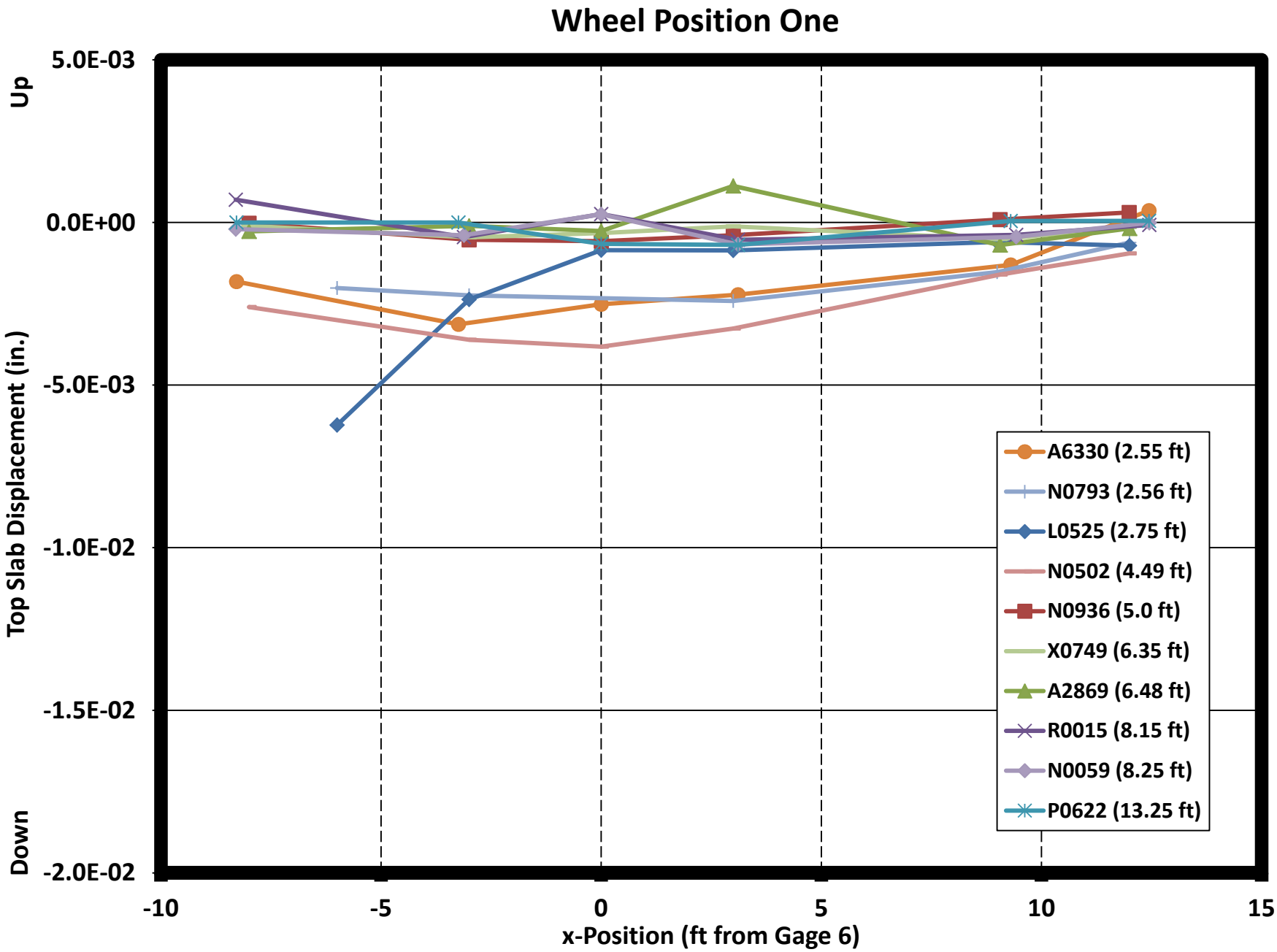

Wheel Position Three
Compression
Top Slab Strain
Tension
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

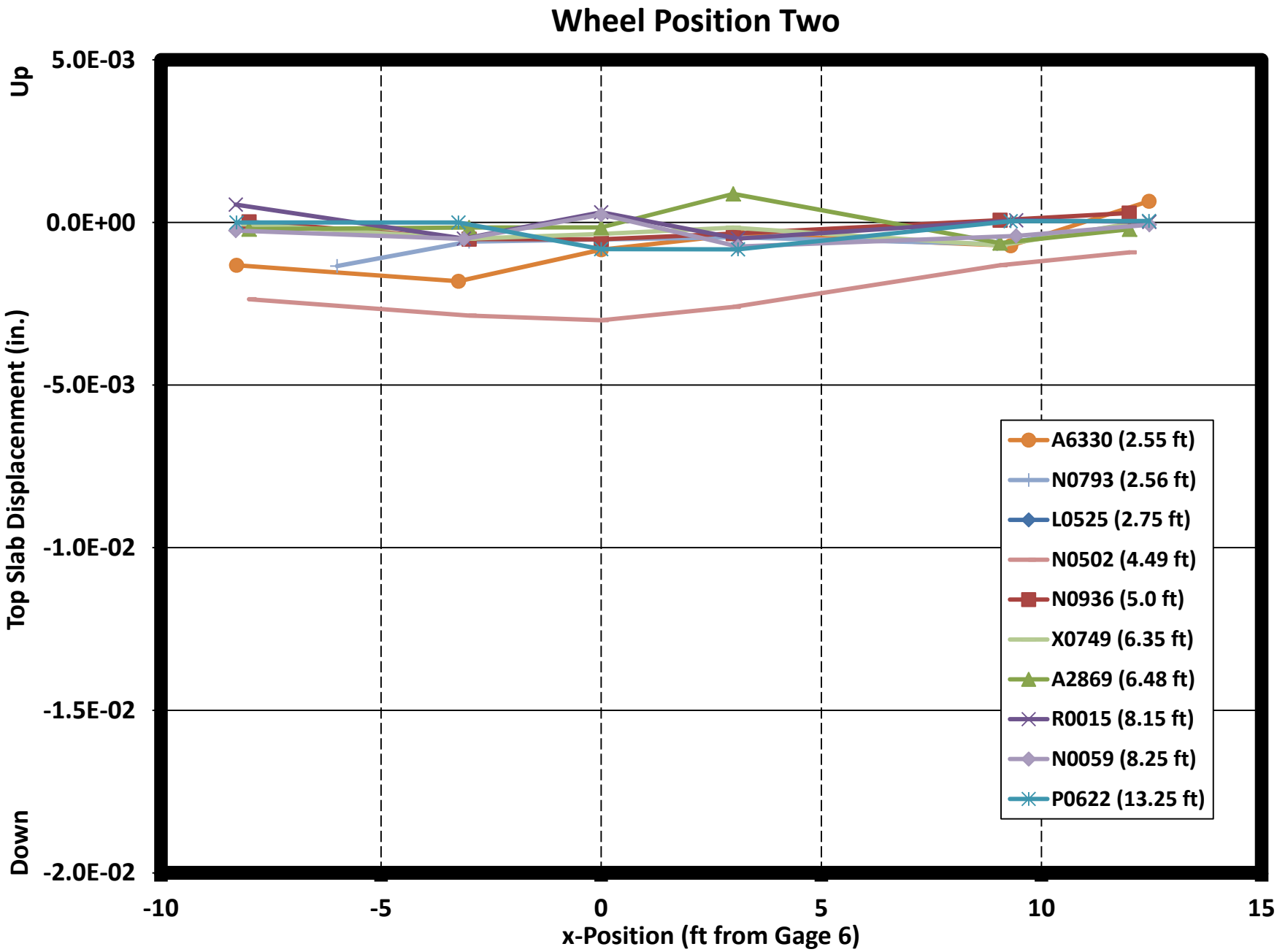

Wheel Position Four
Compression
Tension
Top Slab Strain
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

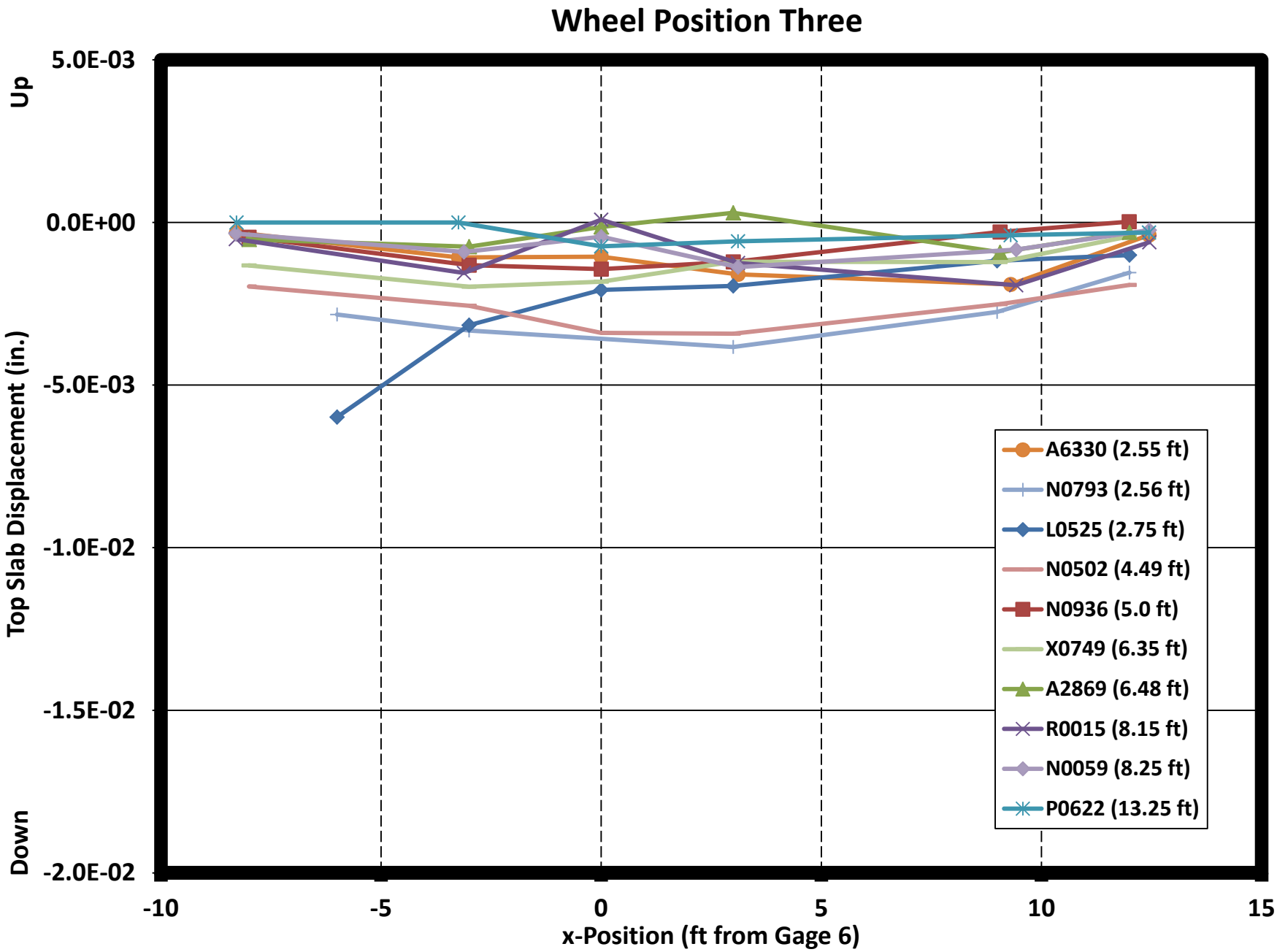

Wheel Position Five
Compression
Top Slab Strain
Tension
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

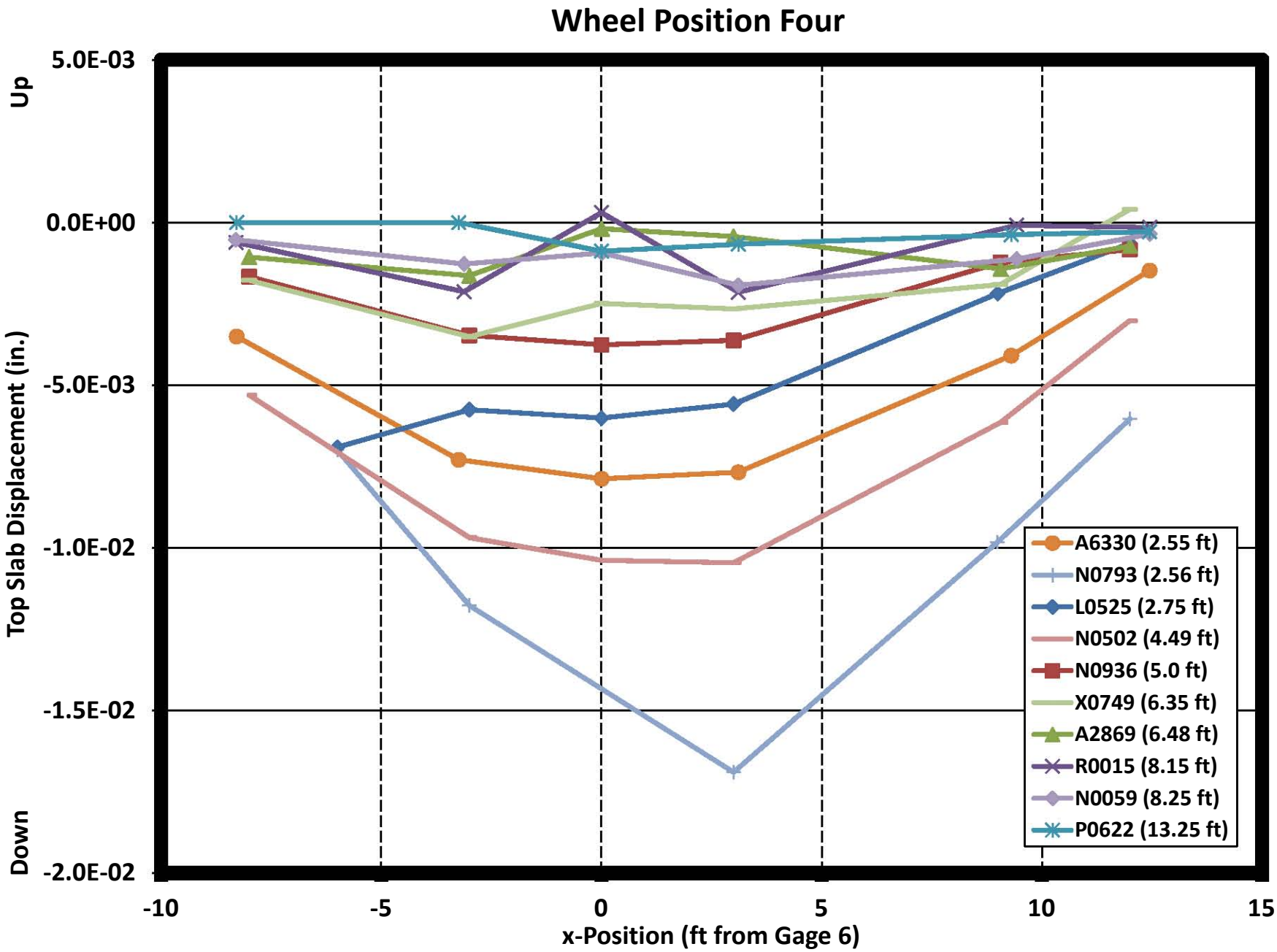

Wheel Position Six
Compression
Tension
Top Slab Strain
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

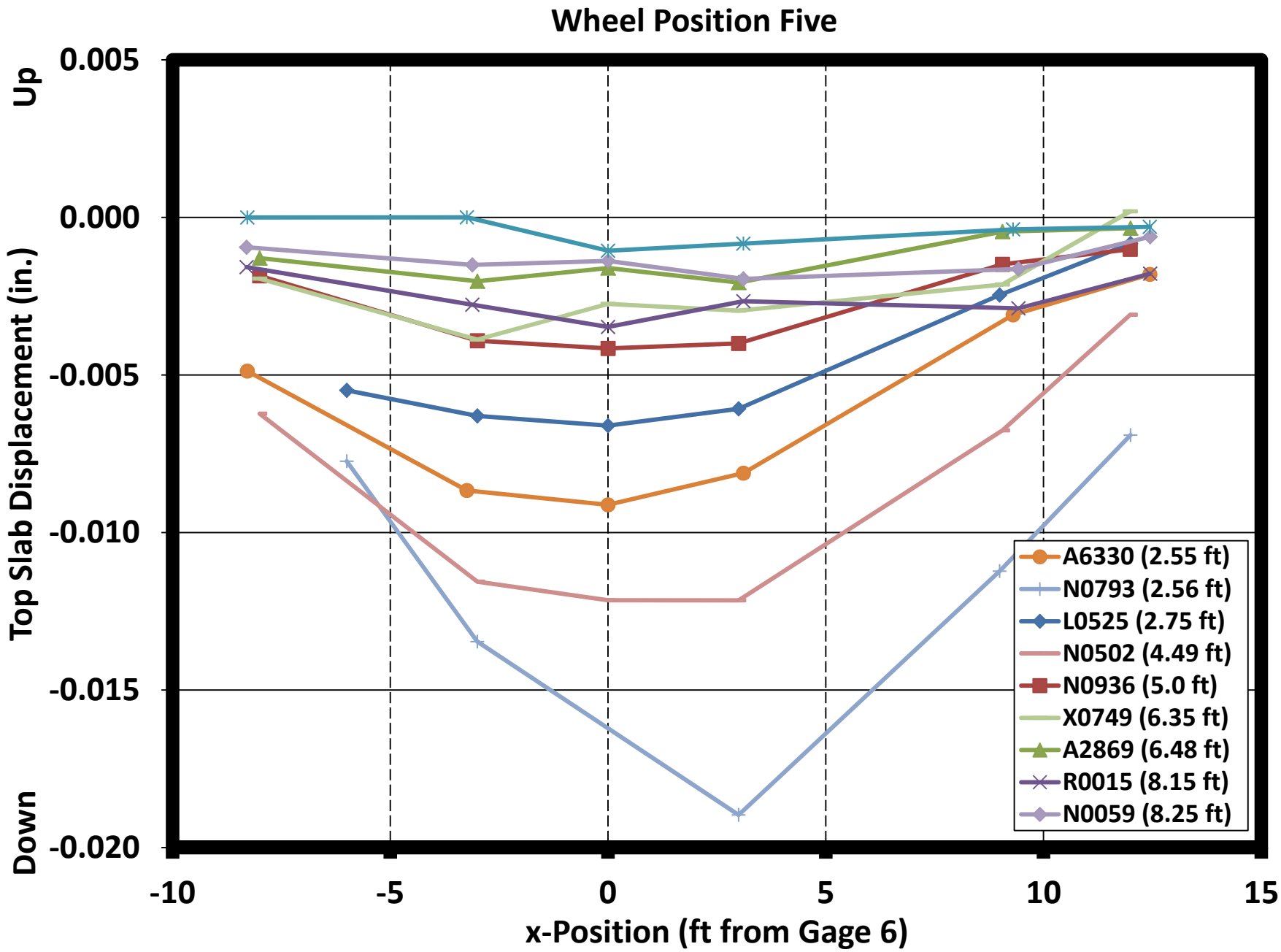

Wheel Position Seven
Compression
Top Slab Strain
Tension
5.0E-06
0.0E+00
-5.0E-06
-1.0E-05
-1.5E-05
-2.0E-05
-2.5E-05
-3.0E-05
-3.5E-05
-4.0E-05
-4.5E-05
-6
-3
0
3
6
9
12
15
x-Position (ft from Gage 9)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

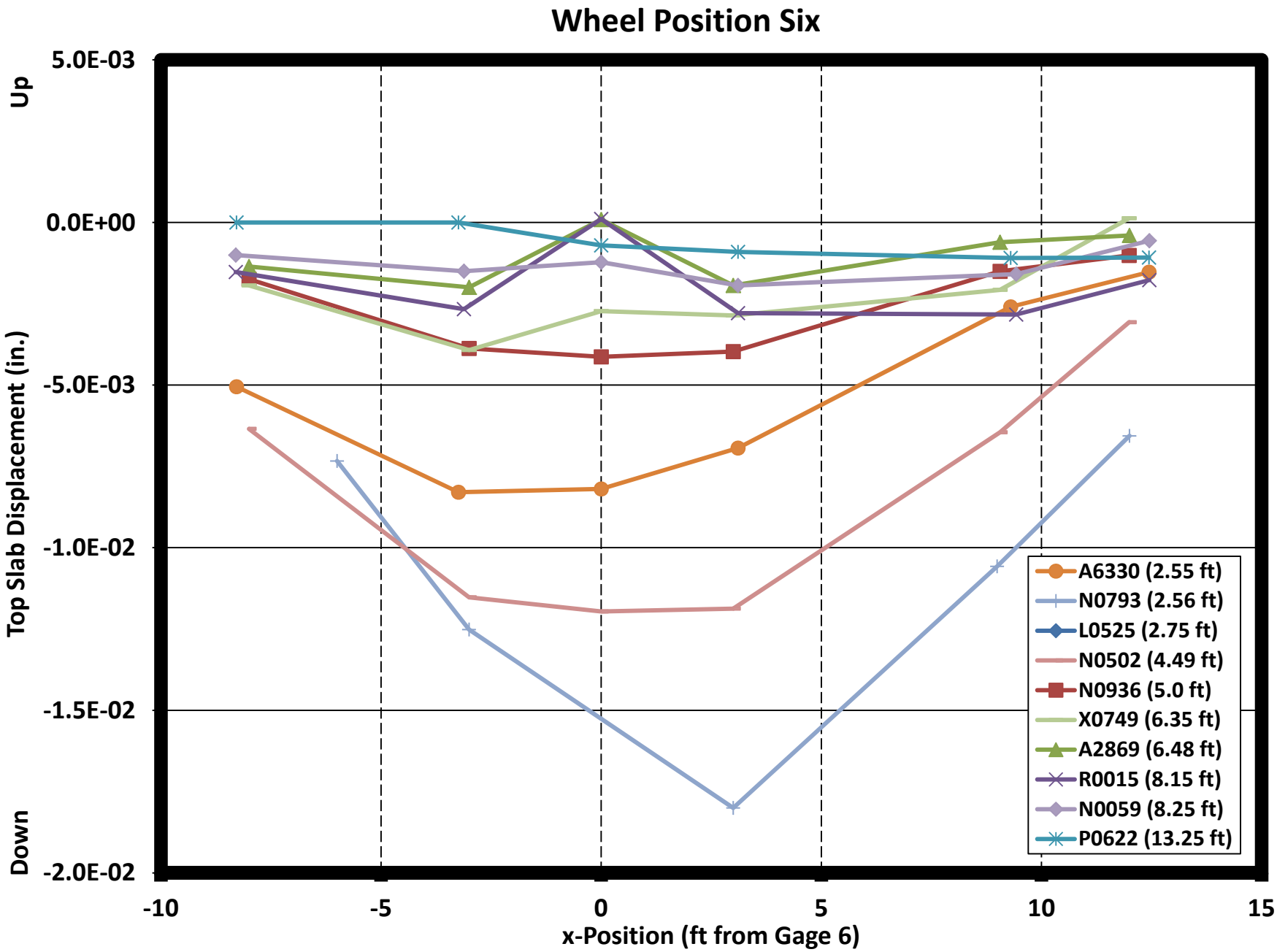

Wheel Position One
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)

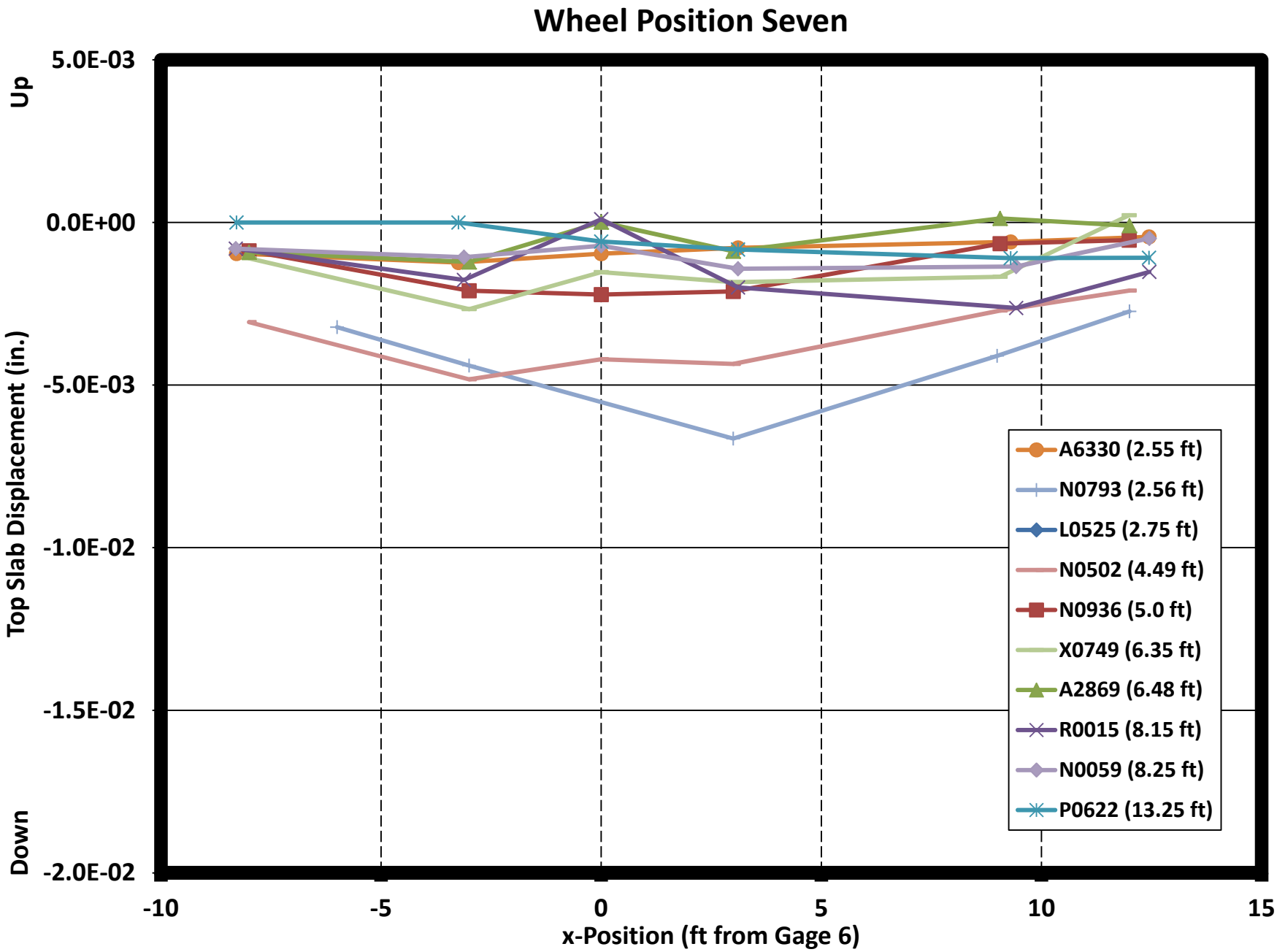

Wheel Position Two
Up
Down
Top Slab Displacenment (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)


Wheel Position Three
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)


Wheel Position Four
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)


Wheel Position Five
Up
Down
Top Slab Displacement (in.)
0.005
0.000
-0.005
-0.010
-0.015
-0.020
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)


Wheel Position Six
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)


Wheel Position Seven
Up
Down
Top Slab Displacement (in.)
5.0E-03
0.0E+00
-5.0E-03
-1.0E-02
-1.5E-02
-2.0E-02
-10
-5
0
5
10
15
x-Position (ft from Gage 6)
A6330 (2.55 ft)
N0793 (2.56 ft)
L0525 (2.75 ft)
N0502 (4.49 ft)
N0936 (5.0 ft)
X0749 (6.35 ft)
A2869 (6.48 ft)
R0015 (8.15 ft)
N0059 (8.25 ft)
P0622 (13.25 ft)