

FOLLOWING TIME GAP ANALYSIS

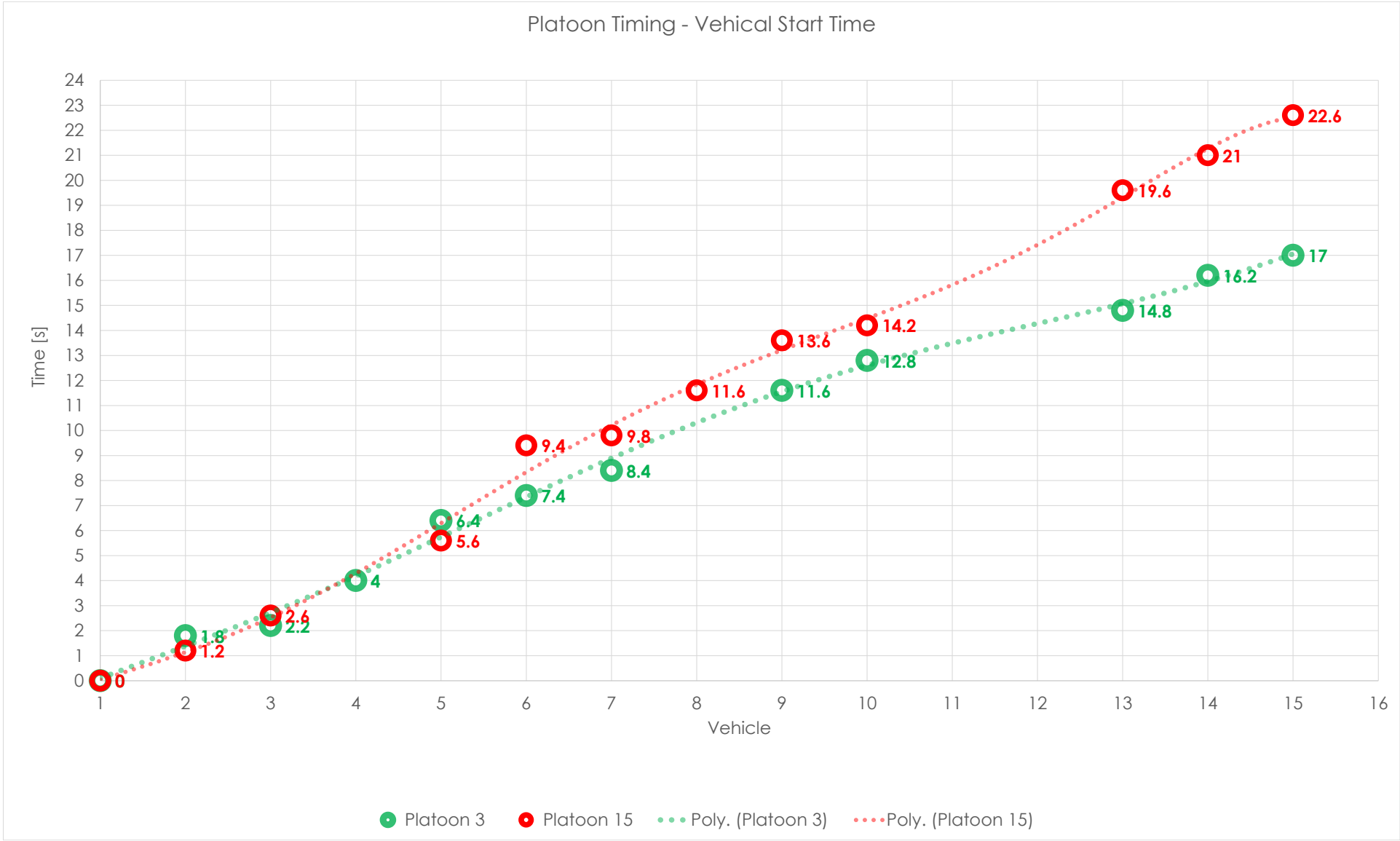


Figure 21 Platoon Starting Characteristics (The Best and The Worst Case)

Vehicle Starting Time [s] (Time elapsed from first vehicle start)

Platoon Number	Vehicle												13	15
	2	3	4	5	6	7	8	9	10	13	14	15		
1	0.8	2.6	4.6	6.2	6.8	7.8	9.0	10.6	11.6	16.2				
2	1.4	2.0	4.0	5.2	6.0	8.4		12.8	13.8	17.2	18.4	19.2		
3	1.8	2.2	4.0	6.4	7.4	8.4		11.6	12.8	14.8	16.2	17.0	14.8	17
4	1.4	1.8	4.8	6.8	7.6	11.4		13.4	14.2	17.8	19.2	20.0		
5	1.8	2.8	5.0	6.0				13.0	13.6	17.2	17.6	19.2		
6	1.6	2.2	5.4	6.4	7.4		9.8	11.4	12.4	18.0	18.8	21.8		
7	1.8	2.2	5.0	5.8	6.4		9.0	11.4	12.6	16.2	17.6	18.6		
8	1.6	2.4	3.0	5.0	5.8	7.8	8.0	9.4	10.4	16.4	18.0	19.6		
9	1.2	2.6	5.6	6.0		8.8	10.0	12.2	13.4	18.4				
10	1.2	2.2		5.6			9.2	11.2	13.0	17.2	18.2	19.6		
11	1.4	2.4	4.2	5.8	6.8		11.0	11.6	14.0	16.0		19.4		
12	1.4	2.4	5.6	6.4	7.2		9.0	10.6	12.4	17.0	17.6	19.6		
13	1.8	3.0	6.6	7.6	7.8	10.6	12.2	13.2	14.0	17.6	19.0	20.2		
15	1.2	2.6		5.6	9.4	9.8	11.6	13.6	14.2	19.6	21.0	22.6	19.6	22.6
16	0.8	2.6	5.2	6.2	7.4	11.0	11.8	13.6	14.6	19.2	20.2	21.6		
17	1.0	2.4	4.6	6.0	7.0		8.0	11.4	12.0	16.0	16.8	17.0		17
19	2.2	2.6		5.4	7.8		8.6	11.4	12.6	15.2	16.8	17.8		
20	1.0	2.8		5.0	7.2		9.8	12.6	13.6	18.0	18.8	19.6		
21	1.8	2.6	3.0	5.0	5.4		8.2	10.4	11.4	15.0	15.8	17.6		
22		2.0		4.8	7.8	10.2	10.4	12.4	13.8	17.4	17.8	19.6		
23		2.0	5.2	6.2	7.0		8.2	10.8	11.2	15.4	16.4	17.2		
26		3.0	6.4		6.8	8.6	9.8	11.2	12.8	16.0	16.8	17.8		
27		1.8	4.8	6.8	7.2		7.8	10.6	11.2	15.2	16.8	17.2		

Vehicle Starting Time (Minimal, Average and Maximal)

Vehicle Number	2	3	4	5	6	7	8	9	10	13	14	15
MIN	0.8	1.8	3.0	4.8	5.4	7.8	7.8	9.4	10.4	14.8	15.8	17.0
AVG	1.43	2.40	4.83	5.92	7.11	9.35	9.55	11.76	12.85	16.83	17.89	19.15
MAX	2.2	3.0	6.6	7.6	9.4	11.4	12.2	13.6	14.6	19.6	21.0	22.6

Following Time Gap [s]													
Platoon Number	Vehicle												Average Following Gap
	2	3	4	5	6	7	8	9	10	13	14	15	
1	0.8	1.8	2.0	1.6	0.6	1.0	1.2	1.6	1.0	4.6			1.6
2	1.4	0.6	2.0	1.2	0.8	2.4		4.4	1.0	3.4	1.2	0.8	1.7
3	1.8	0.4	1.8	2.4	1.0	1.0		3.2	1.2	2.0	1.4	0.8	1.5
4	1.4	0.4	3.0	2.0	0.8	3.8		2.0	0.8	3.6	1.4	0.8	1.8
5	1.8	1.0	2.2	1.0				7.0	0.6	3.6	0.4	1.6	2.1
6	1.6	0.6	3.2	1.0	1.0		2.4	1.6	1.0	5.6	0.8	3.0	2.0
7	1.8	0.4	2.8	0.8	0.6		2.6	2.4	1.2	3.6	1.4	1.0	1.7
8	1.6	0.8	0.6	2.0	0.8	2.0	0.2	1.4	1.0	6.0	1.6	1.6	1.6
9	1.2	1.4	3.0	0.4		2.8	1.2	2.2	1.2	5.0			2.0
10	1.2	1.0		3.4			3.6	2.0	1.8	4.2	1.0	1.4	2.2
11	1.4	1.0	1.8	1.6	1.0		4.2	0.6	2.4	2.0		3.4	1.9
12	1.4	1.0	3.2	0.8	0.8		1.8	1.6	1.8	4.6	0.6	2.0	1.8
13	1.8	1.2	3.6	1.0	0.2	2.8	1.6	1.0	0.8	3.6	1.4	1.2	1.7
15	1.2	1.4		3.0	3.8	0.4	1.8	2.0	0.6	5.4	1.4	1.6	2.1
16	0.8	1.8	2.6	1.0	1.2	3.6	0.8	1.8	1.0	4.6	1.0	1.4	1.8
17	1.0	1.4	2.2	1.4	1.0		1.0	3.4	0.6	4.0	0.8	0.2	1.5
19	2.2	0.4		2.8	2.4		0.8	2.8	1.2	2.6	1.6	1.0	1.8
20	1.0	1.8		2.2	2.2		2.6	2.8	1.0	4.4	0.8	0.8	2.0
21	1.8	0.8	0.4	2.0	0.4		2.8	2.2	1.0	3.6	0.8	1.8	1.6
22		2.0		2.8	3.0	2.4	0.2	2.0	1.4	3.6	0.4	1.8	2.0
23		2.0	3.2	1.0	0.8		1.2	2.6	0.4	4.2	1.0	0.8	1.7
26		3.0	3.4		0.4	1.8	1.2	1.4	1.6	3.2	0.8	1.0	1.8
27		1.8	3.0	2.0	0.4		0.6	2.8	0.6	4.0	1.6	0.4	1.7

Following Time Gap per Vehicle (Minimal, Average and Maximal)													
Vehicle Number	2	3	4	5	6	7	8	9	10	13	14	15	Average Following Gap
MIN	0.80	0.40	0.40	0.40	0.20	0.40	0.20	0.60	0.40	2.00	0.40	0.20	1.55
AVG	1.43	1.22	2.44	1.70	1.16	2.18	1.67	2.38	1.10	3.97	1.07	1.35	1.81
MAX	2.20	3.00	3.60	3.40	3.80	3.80	4.20	7.00	2.40	6.00	1.60	3.40	2.18