



Blue Line Monthly Report



December 2019



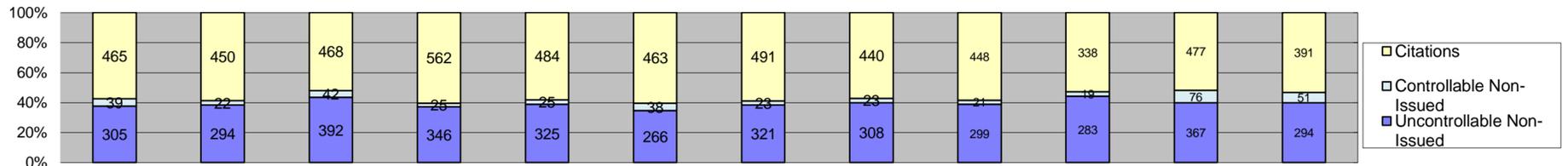
Prepared by: Conduent State and Local Solutions
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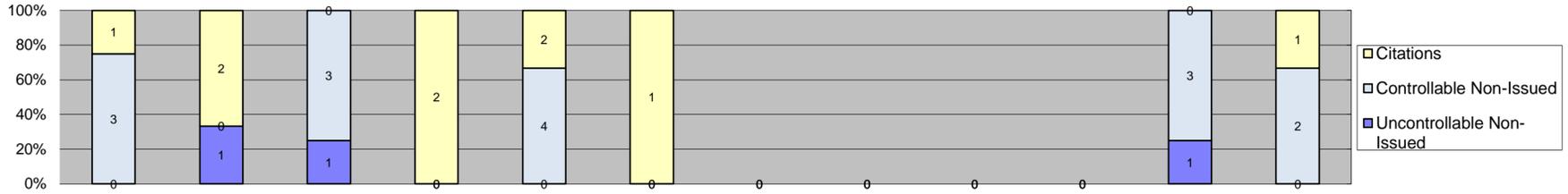
Los Angeles County MTA Blue Line
Approach Summary Report
All Locations
2019



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	5,699	4,518	5,820	5,883	6,009	3,368	2,920	3,317	3,213	3,725	6,448	7,478	4,867	86%
Violations	809	766	902	933	834	767	835	771	768	640	920	736	807	14%
Total:	6,508	5,284	6,722	6,816	6,843	4,135	3,755	4,088	3,981	4,365	7,368	8,214	5,673	100%
Violations														
Uncontrollable Non-Issued	305	294	392	346	325	266	321	308	299	283	367	294	317	39%
Controllable Non-Issued	39	22	42	25	25	38	23	23	21	19	76	51	34	4%
Citations	465	450	468	562	484	463	491	440	448	338	477	391	456	57%
Total:	809	766	902	933	834	767	835	771	768	640	920	736	807	100%
Non-Violations														
Emergency Vehicle Non-Issuable	19	8	10	12	6	7	17	7	0	1	8	14	10	0%
Emergency Vehicle PD	4	1	0	3	0	0	0	3	2	0	0	0	3	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	1	0	1	0	0	1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	1,772	1,639	2,450	2,165	2,087	1,619	1,348	1,488	1,423	1,940	2,074	2,869	1,906	39%
Rear Axle Activation	1	0	2	0	3	6	1	0	0	0	4	0	3	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	1,726	1,494	1,696	1,842	1,970	1,434	1,550	1,604	1,355	1,429	1,641	1,595	1,611	33%
Train Activation	2,176	1,375	1,660	1,857	1,941	301	3	214	433	353	2,721	3,000	1,336	27%
Amber Time Low	0	0	0	0	1	0	1	0	0	0	0	0	1	0%
Vehicle Stopped- PD	1	1	2	4	1	1	0	0	0	1	0	0	2	0%
Total:	5,699	4,518	5,820	5,883	6,009	3,368	2,920	3,317	3,213	3,725	6,448	7,478	4,873	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	26	83	6	1	3	0	0	0	0	0	24	7%
Car Obstructed	25	20	23	19	22	21	28	14	22	34	24	29	23	7%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	10	9	10	8	9	22	12	18	29	11	9	8	13	4%
Driver Obstructed	32	32	32	25	34	19	24	27	21	27	27	33	28	8%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	23	11	13	14	22	9	17	19	24	21	22	22	18	5%
Glare on Windshield	16	20	28	16	21	38	25	14	29	23	47	15	24	7%
Illegible Plate	17	19	21	18	12	15	13	12	11	11	7	15	14	4%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	3	0	3	1%
Image Quality- PD	8	1	1	2	1	3	2	7	0	1	0	0	3	1%
Issuance Criteria Not Met- PD	0	0	0	7	0	0	0	0	0	0	0	0	7	2%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	132	98	141	108	114	100	94	88	62	67	78	84	97	28%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	16	4	5	10	3	8	12	12	5	7	1	5	7	2%
Out of State	13	11	9	17	11	14	13	20	13	8	11	11	13	4%
Plate Obstructed	12	7	14	15	14	10	5	13	16	7	36	8	13	4%
Short Yellow- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	4	0	0	0	0	0	4	1%
TSB No Hit	0	62	69	4	56	6	69	64	67	66	102	64	57	16%
Total:	305	294	392	346	325	266	321	308	299	283	367	294	350	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	1	5	1	2	1	0	0	1	1	12	7	3	9%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	8	2	4	4	4	1	3	3	2	1	13	8	4	12%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	4	6	16	5	4	19	10	10	10	7	19	14	10	28%
Framing- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	3%
Framing of Car	24	11	15	13	11	9	7	7	7	5	19	18	12	34%
Framing of Driver	1	1	2	1	2	3	1	0	0	2	8	3	2	7%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	2	0	0	1	2	5	2	3	1	3	5	1	3	7%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	39	22	42	25	25	38	23	23	21	19	76	51	36	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	14	11	13	11	11	10	11	10	11	10	47	15	14	
Average Issued Red Seconds	35.5	18.7	134.3	24.3	10.2	25.9	48.0	14.9	103.2	35.9	221.8	52.6	60.4	
Citation / Violation Issuance Rate	57%	59%	52%	60%	58%	60%	59%	57%	58%	53%	52%	53%	57%	
Controllable Issuance Rate	92%	95%	92%	96%	95%	92%	96%	95%	96%	95%	86%	88%	93%	



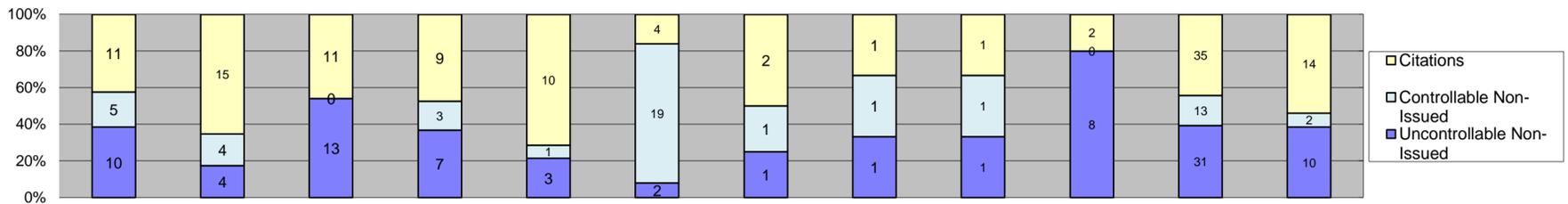
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 322: WB 20th St @ Long Beach Ave
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	413	322	366	702	996	94	103	110	91	139	871	949	430	99%
Violations	4	3	4	2	6	1	0	0	0	0	4	3	3	1%
Total:	417	325	370	704	1,002	95	103	110	91	139	875	952	433	100%
Violations														
Uncontrollable Non-Issued	0	1	1	0	0	0	0	0	0	0	1	0	1	18%
Controllable Non-Issued	3	0	3	0	4	0	0	0	0	0	3	2	3	55%
Citations	1	2	0	2	2	1	0	0	0	0	0	1	2	27%
Total:	4	3	4	2	6	1	0	0	0	0	4	3	6	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	1	0	0	0	0	0	0	0	0	1	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	125	106	126	252	317	0	0	0	0	20	354	329	204	37%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	167	152	146	277	466	94	103	110	91	115	302	307	194	35%
Train Activation	121	64	94	172	213	0	0	0	0	4	215	313	150	27%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	413	322	366	702	996	94	103	110	91	139	871	949	548	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Watch	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	1	0	0	0	0	0	0	0	0	0	0	1	33%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	1	0	1	33%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	0	0	1	0	0	0	0	0	0	0	0	0	1	33%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	1	1	0	0	0	0	0	0	0	1	0	3	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	2	0	0	0	2	0	0	0	0	0	2	0	2	35%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	2	0	0	0	0	0	0	2	2	35%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	0	3	0	0	0	0	0	0	0	1	0	2	29%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	3	0	3	0	4	0	0	0	0	0	3	2	6	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	0	5	14	14	9	0	0	0	0	0	8	14	11	11
Average Issued Red Seconds	0.0	42.5	28.6	7.6	6.5	0.0	0.0	0.0	0.0	0.0	8.9	9.6	17.3	17.3
Citation / Violation Issuance Rate	25%	67%	0%	100%	33%	100%	0%	0%	0%	0%	0%	33%	60%	60%
Controllable Issuance Rate	25%	100%	0%	100%	33%	100%	0%	0%	0%	0%	0%	33%	65%	65%



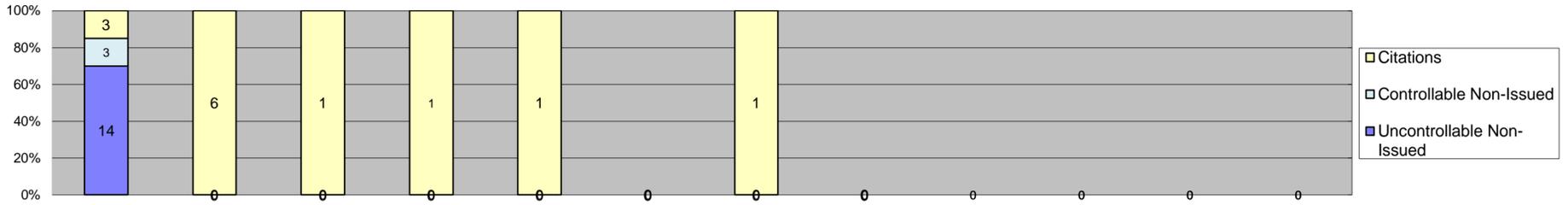
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 421: EB Vernon Ave @ Long Beach Ave
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	118	91	114	116	119	130	76	78	69	82	103	112	101	83%
Violations	26	23	24	19	14	25	4	3	3	10	79	26	21	17%
Total:	144	114	138	135	133	155	80	81	72	92	182	138	122	100%
Violations														
Uncontrollable Non-Issued	10	4	13	7	3	2	1	1	1	8	31	10	8	34%
Controllable Non-Issued	5	4	0	3	1	19	1	1	1	0	13	2	5	23%
Citations	11	15	11	9	10	4	2	1	1	2	35	14	10	43%
Total:	26	23	24	19	14	25	4	3	3	10	79	26	22	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	3	1	2	0	0	0	0	0	1	1	2	2%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	21	17	23	20	26	49	4	2	2	12	28	31	20	19%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	91	73	81	88	82	80	72	76	67	70	62	69	76	73%
Train Activation	6	1	7	7	9	1	0	0	0	0	12	11	7	6%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	118	91	114	116	119	130	76	78	69	82	103	112	104	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	2	0	0	0	0	0	0	0	0	0	2	11%
Car Obstructed	1	1	2	1	0	1	0	0	0	3	3	1	2	9%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	1	1	0	2	1	0	0	0	0	0	3	0	2	8%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	1	0	1	1	5%
Glare on Windshield	1	0	0	0	0	0	0	0	0	0	0	0	1	5%
Illegible Plate	0	0	1	0	0	0	0	0	0	0	0	0	1	5%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	1	0	0	0	0	0	0	0	0	1	5%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	4	0	1	1	1	0	0	0	0	1	3	2	2	10%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	1	0	0	1	5%
Out of State	0	0	0	0	0	0	0	0	0	0	1	0	1	5%
Plate Obstructed	3	1	1	2	0	0	0	1	0	0	8	1	2	13%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	1	6	0	1	1	1	0	1	2	13	5	3	18%
Total:	10	4	13	7	3	2	1	1	1	8	31	10	19	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	2	0	2	16%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	1	0	0	1	0	0	0	0	0	1	8%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	2	0	1	0	18	0	0	1	0	1	0	5	37%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	4	2	0	1	1	1	0	1	0	0	7	2	2	19%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	1	0	1	8%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	1	0	0	0	0	0	0	0	0	0	2	0	2	12%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	5	4	0	3	1	19	1	1	1	0	13	2	12	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	16	17	14	15	18	14	19	25	16	12	12	14	16	16
Average Issued Red Seconds	6.0	5.6	6.1	260.1	5.4	410.5	5.9	5.5	5.1	6.4	655.0	295.2	138.9	138.9
Citation / Violation Issuance Rate	42%	65%	46%	47%	71%	16%	50%	33%	33%	20%	44%	54%	44%	44%
Controllable Issuance Rate	69%	79%	100%	75%	91%	17%	67%	50%	50%	100%	73%	88%	72%	72%



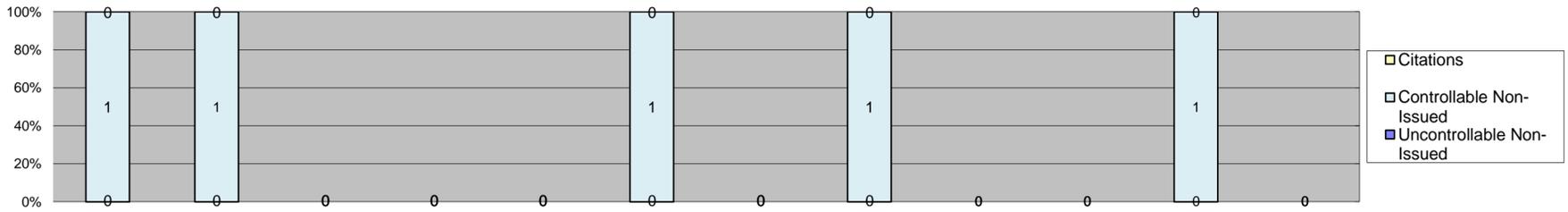
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 821: EB Century Blvd @ Grandee Ave
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	%
Non-Violations	113	75	85	87	78	69	71	79	63	62	71	62	76	94%
Violations	20	6	1	1	1	0	1	0	0	0	0	0	5	6%
Total:	133	81	86	88	79	69	72	79	63	62	71	62	81	100%
Violations														
Uncontrollable Non-Issued	14	0	0	0	0	0	0	0	0	0	0	0	14	73%
Controllable Non-Issued	3	0	0	0	0	0	0	0	0	0	0	0	3	16%
Citations	3	6	1	1	1	0	1	0	0	0	0	0	2	11%
Total:	20	6	1	1	1	0	1	0	0	0	0	0	19	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	2	0	0	0	0	0	0	0	0	0	0	0	2	2%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	7	0	0	0	0	0	0	0	1	1	0	0	3	3%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	86	75	85	87	78	69	71	79	62	61	71	62	74	76%
Train Activation	18	0	0	0	0	0	0	0	0	0	0	0	18	19%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	113	75	85	87	78	69	71	79	63	62	71	62	97	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal Address/CDL/DOB Match	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	2	0	0	0	0	0	0	0	0	0	0	0	2	14%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	1	0	0	0	0	0	0	0	0	0	0	0	1	7%
Glare on Windshield	1	0	0	0	0	0	0	0	0	0	0	0	1	7%
Illegible Plate	2	0	0	0	0	0	0	0	0	0	0	0	2	14%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	6	0	0	0	0	0	0	0	0	0	0	0	6	43%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	7%
Out of State	1	0	0	0	0	0	0	0	0	0	0	0	1	7%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	14	0	14	100%										
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	3	0	0	0	0	0	0	0	0	0	0	0	3	100%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	3	0	3	100%										
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	23	0	0	0	0	0	13	0	0	0	0	0	0	18
Average Issued Red Seconds	15.1	0.0	0.0	0.0	0.0	0.0	823.9	0.0	0.0	0.0	0.0	0.0	0.0	419.5
Citation / Violation Issuance Rate	15%	100%	100%	100%	100%	0%	100%	0%	0%	0%	0%	0%	0%	86%
Controllable Issuance Rate	50%	100%	100%	100%	100%	0%	100%	0%	0%	0%	0%	0%	0%	92%



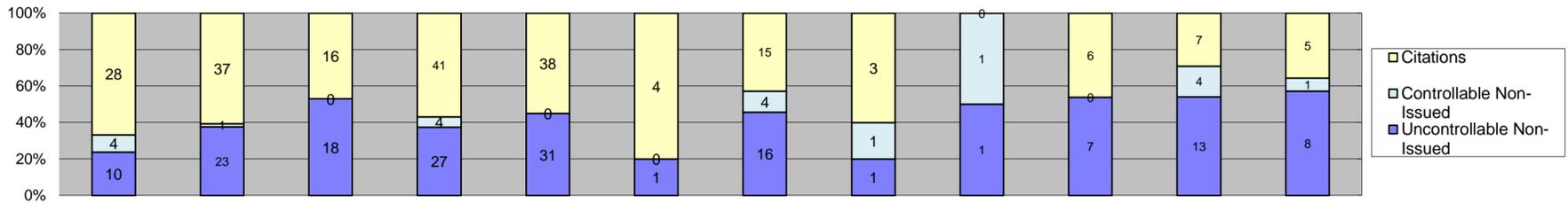
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 822: WB Century Blvd @ Grandee Ave
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	83	75	83	95	77	73	70	79	62	65	75	62	75	99%
Violations	1	1	0	0	0	1	0	1	0	0	1	0	1	1%
Total:	84	76	83	95	77	74	70	80	62	65	76	62	76	100%
Violations														
Uncontrollable Non-Issued	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Controllable Non-Issued	1	1	0	0	0	1	0	1	0	0	1	0	1	100%
Citations	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	1	0	0	0	1	0	1	0	0	1	0	1	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	0	0	0	0	0	0	0	0	0	0	2	0	2	3%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	83	75	83	95	77	73	70	79	62	65	73	62	75	97%
Train Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	83	75	83	95	77	73	70	79	62	65	75	62	77	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Address/CDL/DOB Match Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Car Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSB No Hit	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0%												
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	1	0	0	0	0	0	0	0	0	0	1	0	1	33%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	1	0	1	0	0	0	0	1	33%
Framing- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	33%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	1	0	0	0	1	0	1	0	0	1	0	3	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0												0	
Average Issued Speed	0												0	
Average Issued Red Seconds	0.0												0.0	
Citation / Violation Issuance Rate	0%												0%	
Controllable Issuance Rate	0%												0%	



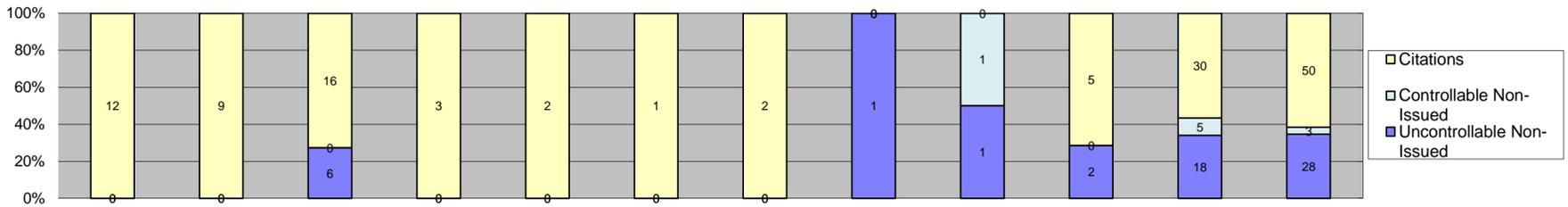
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 841: EB 103rd St @ Grandee Ave
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	138	145	236	240	231	72	99	80	68	84	128	121	137	81%
Violations	42	61	34	72	69	5	35	5	2	13	24	14	31	19%
Total:	180	206	270	312	300	77	134	85	70	97	152	135	168	100%
Violations														
Uncontrollable Non-Issued	10	23	18	27	31	1	16	1	1	7	13	8	13	39%
Controllable Non-Issued	4	1	0	4	0	0	4	1	1	0	4	1	3	7%
Citations	28	37	16	41	38	4	15	3	0	6	7	5	18	54%
Total:	42	61	34	72	69	5	35	5	2	13	24	14	34	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	0	1	1	0	1	0	0	0	0	0	1	1%
Emergency Vehicle PD	1	0	0	0	0	0	0	0	0	0	0	0	1	1%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	30	67	139	141	128	4	28	4	5	12	54	41	54	38%
Rear Axle Activation	1	0	0	0	0	0	0	0	0	0	0	0	1	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	91	75	92	87	88	68	70	75	63	71	65	66	76	53%
Train Activation	14	3	5	10	13	0	0	1	0	1	9	14	8	5%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	1	1	0	0	0	0	0	0	0	1	1%
Total:	138	145	236	240	231	72	99	80	68	84	128	121	142	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	3	9	0	0	1	0	0	0	0	0	4	14%
Car Obstructed	0	1	0	0	0	0	0	0	0	0	0	0	1	3%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	2	0	0	0	0	0	0	0	0	1	0	0	2	5%
Driver Obstructed	0	0	0	1	1	0	0	0	0	1	0	0	1	3%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	4	4	2	2	11	1	4	1	1	3	9	4	4	12%
Glare on Windshield	0	1	0	0	1	0	3	0	0	0	0	0	2	5%
Illegible Plate	0	0	0	0	0	0	1	0	0	0	0	0	1	3%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	6	0	0	0	0	0	0	0	0	6	19%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	2	9	7	5	10	0	2	0	0	1	1	2	4	14%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	1	0	0	2	0	0	0	0	0	0	0	0	2	5%
Plate Obstructed	1	1	1	2	2	0	0	0	0	0	1	0	1	4%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	7	5	0	6	0	5	0	0	1	2	2	4	13%
Total:	10	23	18	27	31	1	16	1	1	7	13	8	32	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	1	0	0	0	0	0	1	13%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	3	0	0	0	0	0	0	0	0	3	39%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	4	1	0	1	0	0	1	1	1	0	4	1	2	23%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	2	0	0	0	0	0	2	26%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	4	1	0	4	0	0	4	1	1	0	4	1	8	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	18	19	18	18	19	0	28	0	0	13	17	21	19	
Average Issued Red Seconds	5.8	5.4	5.6	10.4	6.9	0.0	6.7	0.0	0.0	186.2	614.8	112.5	106.0	
Citation / Violation Issuance Rate	67%	61%	47%	57%	55%	80%	43%	60%	0%	46%	29%	36%	53%	
Controllable Issuance Rate	88%	97%	100%	91%	100%	100%	79%	75%	0%	100%	64%	83%	89%	



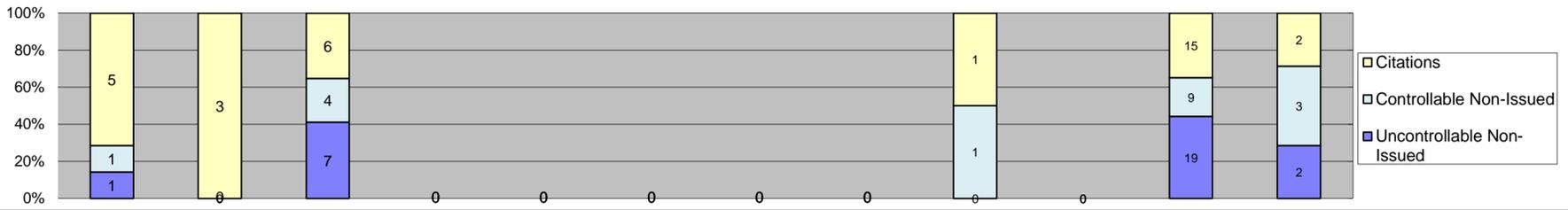
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 981: EB 119th St @ Willowbrook
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	110	74	87	83	76	63	73	77	74	76	101	92	82	83%
Violations	12	9	22	3	2	1	2	1	2	7	53	81	16	17%
Total:	122	83	109	86	78	64	75	78	76	83	154	173	98	100%
Violations														
Uncontrollable Non-Issued	0	0	6	0	0	0	0	1	1	2	18	28	9	37%
Controllable Non-Issued	0	0	0	0	0	0	0	0	1	0	5	3	3	12%
Citations	12	9	16	3	2	1	2	0	0	5	30	50	13	51%
Total:	12	9	22	3	2	1	2	1	2	7	53	81	25	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	3	1	2	2%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	12	0	1	0	0	0	0	0	12	8	28	26	15	16%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	98	74	86	81	76	63	73	77	62	68	67	63	74	80%
Train Activation	0	0	0	2	0	0	0	0	0	0	3	2	2	3%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	110	74	87	83	76	63	73	77	74	76	101	92	93	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	0	1	1	5%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	1	0	1	4	2	11%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	2	3	3	14%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	2	2	11%
Glare on Windshield	0	0	1	0	0	0	0	0	0	0	1	1	1	5%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	0	0	2	0	0	0	0	1	0	1	2	9	3	16%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	2	2	2	11%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	3	0	0	0	0	0	0	1	10	6	5	27%
Total:	0	0	6	0	0	0	0	1	1	2	18	28	19	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	1	0	2	3	2	40%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	1	0	1	20%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	1	0	1	20%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	1	0	1	20%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	0	0	0	0	0	0	0	1	0	5	3	5	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	0	0	8	19	0	17	0	0	11	17	17	20	16	16
Average Issued Red Seconds	0.0	0.0	330.5	5.3	0.0	6.1	0.0	0.0	629.9	5.9	233.1	9.2	174.3	174.3
Citation / Violation Issuance Rate	100%	100%	73%	100%	100%	100%	100%	0%	0%	71%	57%	62%	86%	86%
Controllable Issuance Rate	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	86%	94%	98%	98%



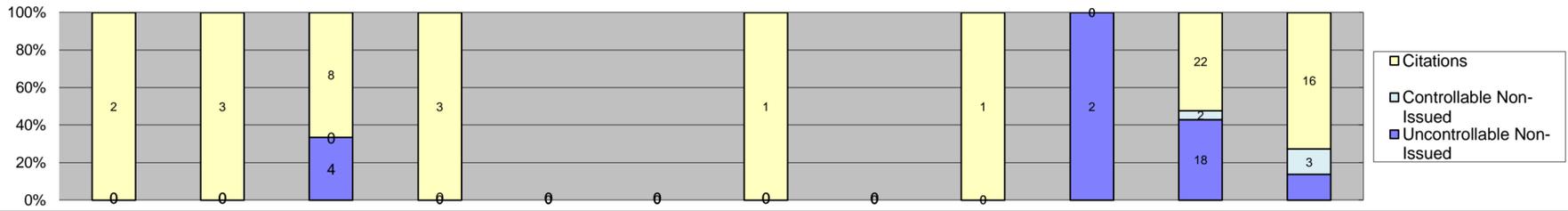
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 982: WB 119th St @ Willowbrook
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	167	75	86	79	88	64	77	81	86	110	1,027	1,120	255	95%
Violations	7	3	17	0	0	0	0	0	2	0	43	7	13	5%
Total:	174	78	103	79	88	64	77	81	88	110	1,070	1,127	268	100%
Violations														
Uncontrollable Non-Issued	1	0	7	0	0	0	0	0	0	0	19	2	7	45%
Controllable Non-Issued	1	0	4	0	0	0	0	0	1	0	9	3	4	22%
Citations	5	3	6	0	0	0	0	0	1	0	15	2	5	33%
Total:	7	3	17	0	0	0	0	0	2	0	43	7	16	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	1	1	0	1	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	6	0	2	0	3	0	4	4	24	32	50	68	21	5%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	87	75	84	79	81	64	70	77	62	63	82	88	76	18%
Train Activation	74	0	0	0	4	0	3	0	0	14	894	964	326	77%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	167	75	86	79	88	64	77	81	86	110	1,027	1,120	424	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Watch	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	3	0	3	17%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	3	1	2	11%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Windshield	0	0	5	0	0	0	0	0	0	0	5	0	5	28%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	0	0	2	0	0	0	0	0	0	0	1	1	1	7%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	1	0	0	0	0	0	0	0	0	0	2	0	2	8%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	0	0	3	0	3	17%
Total:	1	0	7	0	19	2	18	100%						
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	1	1	11%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	5	0	5	54%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	0	4	0	0	0	0	0	1	0	3	2	2	24%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	1	0	1	11%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	0	4	0	0	0	0	0	1	0	9	3	9	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	18	5	9	0	0	0	0	0	0	0	13	12	11	
Average Issued Red Seconds	6.5	5.0	566.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	711.6	5.5	259.1	
Citation / Violation Issuance Rate	71%	100%	35%	0%	0%	0%	0%	0%	50%	0%	35%	29%	53%	
Controllable Issuance Rate	83%	100%	60%	0%	0%	0%	0%	0%	50%	0%	63%	40%	66%	



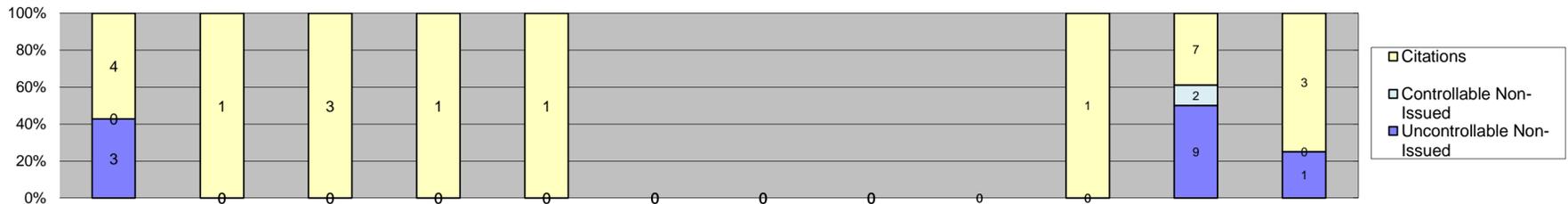
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 1051: EB 130th St @ Willowbrook
Straight Through Movements**



Events	Year to Date Average													
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Quantity	%
Non-Violations	95	68	78	75	76	65	68	73	68	63	77	68	73	88%
Violations	2	3	12	3	0	0	1	0	1	2	42	22	10	12%
Total:	97	71	90	78	76	65	69	73	69	65	119	90	83	100%
Violations														
Uncontrollable Non-Issued	0	0	4	0	0	0	0	0	0	2	18	3	7	42%
Controllable Non-Issued	0	0	0	0	0	0	0	0	0	0	2	3	3	15%
Citations	2	3	8	3	0	0	1	0	1	0	22	16	7	43%
Total:	2	3	12	3	0	0	1	0	1	2	42	22	16	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	1	0	1	1%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	8	0	0	0	2	0	1	0	6	1	11	4	5	6%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	86	68	78	75	74	63	67	73	60	62	65	61	69	90%
Train Activation	1	0	0	0	0	2	0	0	2	0	0	3	2	3%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	95	68	78	75	76	65	68	73	68	63	77	68	77	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	1	1	6%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	2	0	2	12%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	1	0	0	1	6%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	0	0	2	0	0	0	0	0	0	1	2	0	2	10%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Out of State	0	0	0	0	0	0	0	0	0	0	1	0	1	6%
Plate Obstructed	0	0	2	0	0	0	0	0	0	0	7	0	5	27%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	0	0	3	2	3	15%
Total:	0	0	4	0	0	0	0	0	0	2	18	3	17	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	2	2	50%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	1	0	1	25%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	1	1	1	25%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	0	0	0	0	0	0	0	0	0	2	3	4	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	0	0	8	0	0	0	0	0	9	0	664	22	176	
Average Issued Red Seconds	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	40.7	0.0	9.9	6.2	14.9	
Citation / Violation Issuance Rate	100%	100%	67%	100%	0%	0%	100%	0%	100%	0%	52%	73%	86%	
Controllable Issuance Rate	100%	100%	100%	100%	0%	0%	100%	0%	100%	0%	92%	84%	97%	



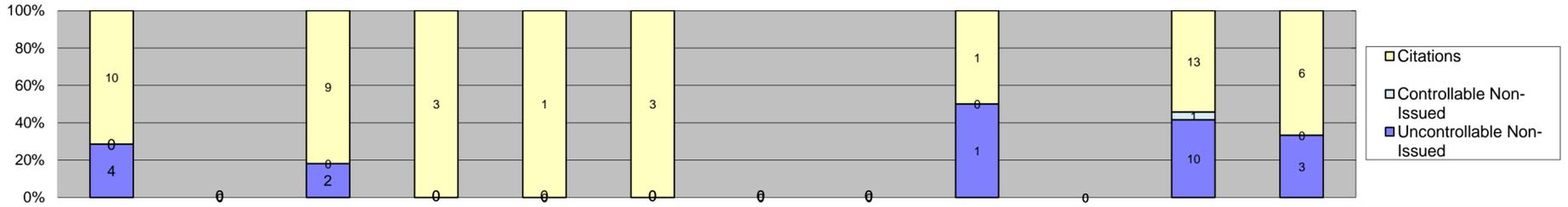
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 1052: WB 130th St @ Willowbrook
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	%
Non-Violations	122	67	83	81	74	69	68	79	67	67	85	80	79	95%
Violations	7	1	3	1	1	0	0	0	0	1	18	4	5	5%
Total:	129	68	86	82	75	69	68	79	67	68	103	84	83	100%
Violations														
Uncontrollable Non-Issued	3	0	0	0	0	0	0	0	0	0	9	1	4	48%
Controllable Non-Issued	0	0	0	0	0	0	0	0	0	0	2	0	2	22%
Citations	4	1	3	1	1	0	0	0	0	1	7	3	3	29%
Total:	4	1	3	1	1	0	0	0	0	1	18	4	9	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	8	0	3	1	1	1	0	2	3	3	14	11	5	5%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	93	67	80	80	73	68	68	77	64	64	67	63	72	83%
Train Activation	21	0	0	0	0	0	0	0	0	0	4	6	10	12%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	122	67	83	81	74	69	68	79	67	67	85	80	87	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal Address/CDL/DOB Watch	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Administrative Dismissal Email	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	1	0	0	0	0	0	0	0	0	0	0	0	1	9%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	9%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	1	0	0	0	0	0	0	0	0	0	1	1	1	9%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	4	0	4	36%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	0	0	2	0	2	18%
Total:	3	0	9	1	11	100%								
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	1	0	1	50%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	1	0	1	50%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	0	0	0	0	0	0	0	0	0	2	0	2	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	5	0	9	0	0	0	0	0	6	0	9	10	8	8
Average Issued Red Seconds	7.4	0.0	441.8	0.0	0.0	0.0	0.0	0.0	365.8	0.0	904.6	342.0	412.3	412.3
Citation / Violation Issuance Rate	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	39%	75%	89%	89%
Controllable Issuance Rate	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	78%	100%	97%	97%



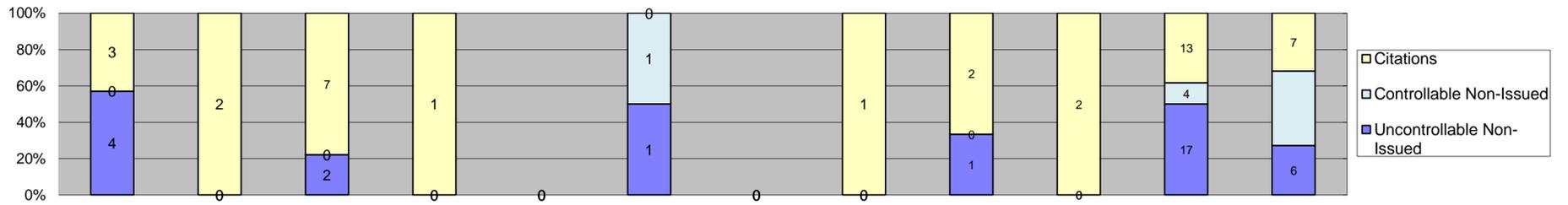
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 1081: EB Stockwell @ Willowbrook
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	89	77	77	82	71	67	69	75	66	63	69	66	73	90%
Violations	14	0	11	3	1	3	0	0	2	0	24	9	8	10%
Total:	103	77	88	85	72	70	69	75	68	63	93	75	81	100%
Violations														
Uncontrollable Non-Issued	4	0	2	0	0	0	0	0	1	0	10	3	4	37%
Controllable Non-Issued	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Citations	10	0	9	3	1	3	0	0	1	0	13	6	6	53%
Total:	14	0	11	3	1	3	0	0	2	0	24	9	11	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	2	0	0	0	0	2	0	1	2	0	2	3	2	3%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	87	77	77	82	71	63	69	74	64	63	66	63	71	95%
Train Activation	0	0	0	0	0	2	0	0	0	0	1	0	2	2%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	89	77	77	82	71	67	69	75	66	63	69	66	75	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal Address/CDL/DOB match	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	1	0	0	0	0	0	0	0	0	0	1	9%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	9%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	1	0	1	0	0	0	0	0	0	0	4	1	2	16%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	1	0	1	9%
Plate Obstructed	2	0	0	0	0	0	0	0	0	0	0	0	2	19%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	1	0	3	2	2	19%
Total:	4	0	2	0	0	0	0	0	1	0	10	3	11	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	1	0	1	100%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	0	0	0	0	0	0	0	0	0	1	0	1	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	23	0	10	0	0	0	0	0	16	0	17	23	18	
Average Issued Red Seconds	107.6	0.0	585.9	0.0	0.0	0.0	0.0	0.0	311.9	0.0	366.4	40.3	282.4	
Citation / Violation Issuance Rate	71%	0%	82%	100%	100%	100%	0%	0%	50%	0%	54%	67%	78%	
Controllable Issuance Rate	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	93%	100%	99%	



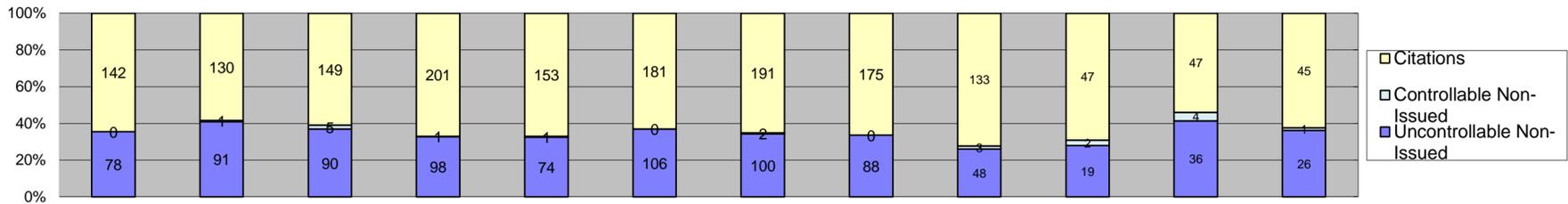
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 1082: WB Stockwell @ Willowbrook
Straight Through Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	104	72	82	80	78	72	68	76	65	65	114	103	82	91%
Violations	7	2	9	1	0	2	0	1	3	2	34	22	8	9%
Total:	111	74	91	81	78	74	68	77	68	67	148	125	90	100%
Violations														
Uncontrollable Non-Issued	4	0	2	0	0	1	0	0	1	0	17	6	5	37%
Controllable Non-Issued	0	0	0	0	0	1	0	0	0	0	4	9	5	33%
Citations	3	2	7	1	0	0	0	1	2	2	13	7	4	30%
Total:	7	2	9	1	0	2	0	1	3	2	34	22	14	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	0	0	1	0	2	5	0	0	6	2	47	37	14	15%
Rear Axle Activation	0	0	0	0	0	3	0	0	0	0	1	0	2	2%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	85	72	80	80	76	64	68	76	59	63	65	66	71	75%
Train Activation	19	0	1	0	0	0	0	0	0	0	1	0	7	7%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	104	72	82	80	78	72	68	76	65	65	114	103	94	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal Address/CDL/DOB Match	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	1	0	0	0	0	0	0	0	1	0	1	7%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	2	0	0	0	0	0	0	0	0	0	2	0	2	15%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	1	0	1	7%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	2	0	1	0	0	1	0	0	0	0	4	4	2	17%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	5	0	5	36%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	0	0	0	0	0	0	1	0	4	2	2	17%
Total:	4	0	2	0	0	1	0	0	1	0	17	6	14	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	1	0	0	0	0	2	1	1	20%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	2	7	5	66%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	1	1	15%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	0	0	0	0	1	0	0	0	0	4	9	7	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	15	0	8	0	0	0	0	0	12	0	13	17	13	13
Average Issued Red Seconds	5.7	0.0	522.4	0.0	0.0	0.0	0.0	0.0	413.1	0.0	594.9	54.6	318.1	318.1
Citation / Violation Issuance Rate	43%	100%	78%	100%	0%	0%	0%	100%	67%	100%	38%	32%	73%	73%
Controllable Issuance Rate	100%	100%	100%	100%	0%	0%	0%	100%	100%	100%	76%	44%	91%	91%



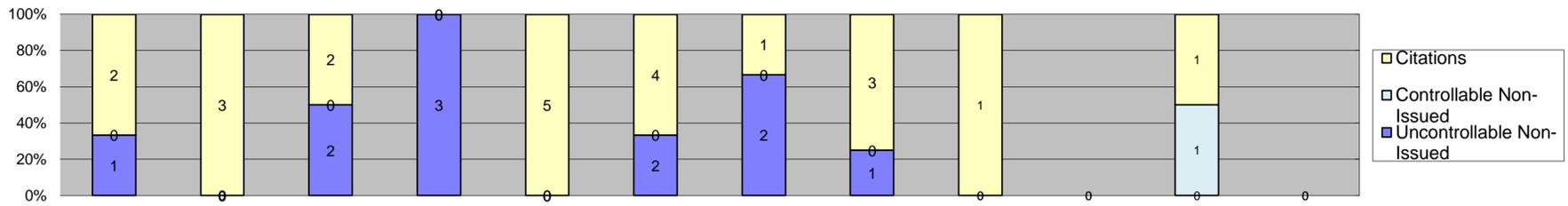
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2003: EB to NB Washington @ Los Angeles
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	Quantity	%											
Non-Violations	429	438	476	443	443	433	429	459	428	446	554	1,562	545	73%
Violations	220	222	244	300	228	287	293	263	184	68	87	72	206	27%
Total:	649	660	720	743	671	720	722	722	612	514	641	1,634	751	100%
Violations														
Uncontrollable Non-Issued	78	91	90	98	74	106	100	88	48	19	36	26	71	35%
Controllable Non-Issued	0	1	5	1	1	0	2	0	3	2	4	1	2	1%
Citations	142	130	149	201	153	181	191	175	133	47	47	45	133	64%
Total:	220	222	244	300	228	287	293	263	184	68	87	72	206	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	1	1	2	0	2	3	0	0	0	0	3	2	0%
Emergency Vehicle PD	0	0	0	2	0	0	0	1	0	0	0	0	2	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	273	303	334	289	306	366	359	392	369	379	397	1,356	427	74%
Rear Axle Activation	0	0	0	0	0	1	0	0	0	0	0	0	1	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	63	66	74	69	65	63	67	66	59	67	70	63	66	11%
Train Activation	91	68	66	80	72	1	0	0	0	0	87	140	76	13%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	1	1	0	0	0	0	0	0	0	0	1	0%
Total:	429	438	476	443	443	433	429	459	428	446	554	1,562	574	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	8	23	2	1	2	0	0	0	0	0	7	9%
Car Obstructed	1	4	1	2	1	7	2	2	2	6	0	2	3	3%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	3	1	4	1	4	11	4	7	3	1	0	0	4	5%
Driver Obstructed	4	3	2	3	5	5	2	7	2	1	4	3	3	4%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	3	1	2	2	0	0	1	0	0	0	2	2	2	2%
Glare on Windshield	13	13	5	8	7	22	12	4	6	0	9	5	9	11%
Illegible Plate	10	11	8	9	3	3	5	4	2	2	3	2	5	6%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	2	0	2	0	0	0	0	2	2%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	36	34	46	36	32	45	36	26	12	6	10	8	27	33%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	4	3	1	4	0	2	5	2	0	0	0	0	3	4%
Out of State	4	5	2	6	3	4	6	14	7	0	4	0	6	7%
Plate Obstructed	0	0	1	3	2	1	1	4	2	0	0	1	2	2%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	16	10	1	15	3	24	16	12	3	4	3	10	12%
Total:	78	91	90	98	74	106	100	88	48	19	36	26	83	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	1	0	1	0	0	0	0	0	2	0	1	24%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	1	0	0	1	0	0	0	0	1	1	18%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	1	3	0	0	0	0	0	3	2	2	0	2	40%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	1	0	0	0	1	0	0	0	0	0	1	18%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	1	5	1	1	0	2	0	3	2	4	1	6	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	19	19	18	19	19	19	18	19	19	18	20	19	19	19
Average Issued Red Seconds	19.6	9.6	10.8	16.1	7.9	13.6	13.7	18.9	26.1	14.7	44.0	19.6	17.9	17.9
Citation / Violation Issuance Rate	65%	59%	61%	67%	67%	63%	65%	67%	72%	69%	54%	63%	64%	64%
Controllable Issuance Rate	100%	99%	97%	100%	99%	100%	99%	100%	98%	96%	92%	98%	98%	98%



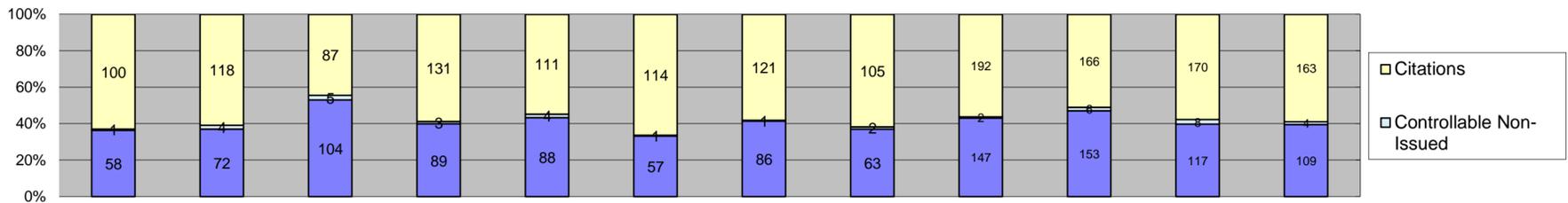
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2008 WB to SB Washington @ Los Angeles
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	%												
Non-Violations	248	184	297	302	378	230	181	178	164	129	374	380	254	99%
Violations	3	3	4	3	5	6	3	4	1	0	2	0	3	1%
Total:	251	187	301	305	383	236	184	182	165	129	376	380	257	100%
Violations														
Uncontrollable Non-Issued	1	0	2	3	0	2	2	1	0	0	0	0	2	35%
Controllable Non-Issued	0	0	0	0	0	0	0	0	0	0	1	0	1	19%
Citations	2	3	2	0	5	4	1	3	1	0	1	0	2	46%
Total:	3	3	4	3	5	6	3	4	1	0	2	0	5	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	2	1	0	0	0	1	0	0	0	0	0	2	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	1	0	0	0	0	1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	47	51	86	77	120	168	111	116	110	68	59	30	87	28%
Rear Axle Activation	0	0	0	0	2	0	0	0	0	0	0	0	2	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	61	52	64	58	65	61	69	61	54	61	60	62	61	20%
Train Activation	138	79	146	167	191	1	0	0	0	0	255	288	158	51%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	248	184	297	302	378	230	181	178	164	129	374	380	310	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	1	0	0	0	0	0	0	0	0	1	24%
Car Obstructed	0	0	1	0	0	1	0	1	0	0	0	0	1	24%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Windshield	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	1	0	0	2	0	1	1	0	0	0	0	0	1	29%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	1	0	0	0	1	0	0	0	0	0	1	24%
Total:	1	0	2	3	0	2	2	1	0	0	0	0	4	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	1	0	1	100%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	1	0	1	100%									
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	16	23	19	14	20	22	25	18	0	0	19	0	20	
Average Issued Red Seconds	0.8	0.4	0.6	67.4	16.7	0.3	0.3	27.5	0.0	0.0	6.0	0.0	13.3	
Citation / Violation Issuance Rate	67%	100%	50%	0%	100%	67%	33%	75%	100%	0%	50%	0%	71%	
Controllable Issuance Rate	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	50%	0%	94%	



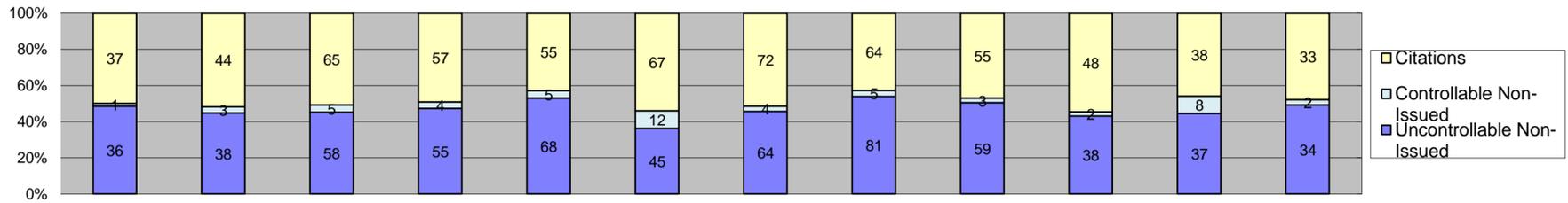
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2017: EB to NB Washington @ San Pedro
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	365	303	320	351	333	255	240	240	221	603	302	360	324	58%
Violations	159	194	196	223	203	172	208	170	341	325	295	276	230	42%
Total:	524	497	516	574	536	427	448	410	562	928	597	636	555	100%
Violations														
Uncontrollable Non-Issued	58	72	104	89	88	57	86	63	147	153	117	109	95	41%
Controllable Non-Issued	1	4	5	3	4	1	1	2	2	6	8	4	3	1%
Citations	100	118	87	131	111	114	121	105	192	166	170	163	132	57%
Total:	159	194	196	223	203	172	208	170	341	325	295	276	230	100%
Non-Violations														
Emergency Vehicle Non-Issuable	5	0	1	1	0	0	1	1	0	0	1	1	2	0%
Emergency Vehicle PD	1	0	0	0	0	0	0	1	0	0	0	0	1	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	1	0	0	1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	135	119	139	148	136	189	170	172	158	533	96	95	174	47%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	75	62	71	75	71	65	68	66	63	69	67	61	68	18%
Train Activation	149	122	109	126	126	1	0	0	0	0	138	203	122	33%
Amber Time Low	0	0	0	0	0	0	1	0	0	0	0	0	1	0%
Vehicle Stopped- PD	0	0	0	1	0	0	0	0	0	0	0	0	1	0%
Total:	365	303	320	351	333	255	240	240	221	603	302	360	369	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	9	27	1	0	0	0	0	0	0	0	12	11%
Car Obstructed	16	10	8	8	13	7	17	6	18	19	10	20	13	11%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	2	3	3	3	3	4	7	4	20	9	4	2	5	5%
Driver Obstructed	5	8	6	4	8	5	4	5	6	14	4	12	7	6%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	3	4	3	2	4	1	3	4	4	4	4	4	3	3%
Glare on Windshield	0	5	13	4	6	7	4	2	21	23	27	6	11	10%
Illegible Plate	2	1	3	3	2	2	1	1	5	5	1	0	2	2%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	4	1	0	1	0	1	1	2	0	1	0	0	2	1%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	13	22	27	26	22	16	22	18	27	30	24	31	23	21%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	7	0	1	3	0	2	3	3	2	4	0	2	3	3%
Out of State	1	2	3	3	5	6	2	2	4	6	2	7	4	3%
Plate Obstructed	4	3	5	3	6	5	3	3	9	4	4	1	4	4%
Short Yellow- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	1%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	1	0	0	0	0	0	1	1%
TSB No Hit	0	13	23	2	18	1	18	13	31	34	37	24	19	18%
Total:	58	72	104	89	88	57	86	63	147	153	117	109	110	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	1	0	1	0	0	0	0	1	1	0	1	15%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	3	1	0	0	0	1	1	1	1	4	2	2	26%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	1	1	1	0	0	1	1	0	2	1	1	17%
Framing of Driver	0	1	2	1	2	0	0	0	0	1	0	1	1	20%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	1	0	0	1	0	1	0	0	0	3	1	0	1	21%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	4	5	3	4	1	1	2	2	6	8	4	7	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	18	18	17	18	18	18	18	18	17	17	17	16	18	
Average Issued Red Seconds	2.2	2.6	1.7	8.2	1.6	6.2	2.2	16.6	1.5	35.9	0.8	2.2	6.8	
Citation / Violation Issuance Rate	63%	61%	44%	59%	55%	66%	58%	62%	56%	51%	58%	59%	58%	
Controllable Issuance Rate	99%	97%	95%	98%	97%	99%	99%	98%	99%	97%	96%	98%	97%	



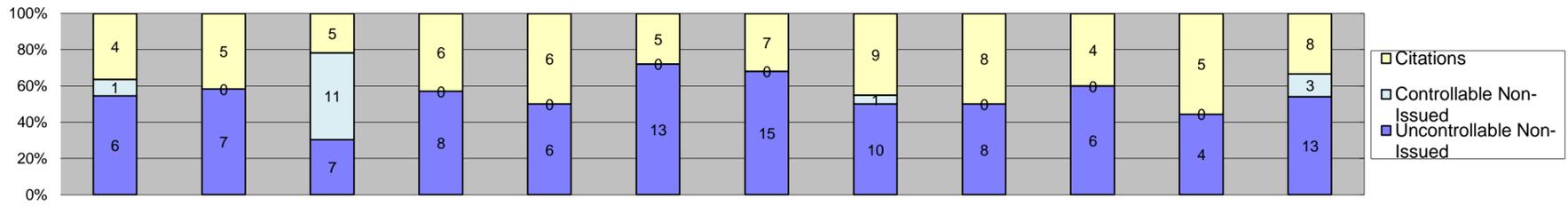
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2018: WB to SB Washington @ San Pedro
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	329	251	284	246	270	148	161	224	138	180	204	236	223	67%
Violations	74	85	128	116	128	124	140	150	117	88	83	69	109	33%
Total:	403	336	412	362	398	272	301	374	255	268	287	305	331	100%
Violations														
Uncontrollable Non-Issued	36	38	58	55	68	45	64	81	59	38	37	34	51	47%
Controllable Non-Issued	1	3	5	4	5	12	4	5	3	2	8	2	5	4%
Citations	37	44	65	57	55	67	72	64	55	48	38	33	53	49%
Total:	74	85	128	116	128	124	140	150	117	88	83	69	109	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	2	1	3	1	3	7	2	0	0	0	4	3	1%
Emergency Vehicle PD	0	0	0	0	0	0	0	1	0	0	0	0	1	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	89	95	103	76	85	79	83	152	78	117	65	62	90	33%
Rear Axle Activation	0	0	1	0	1	0	0	0	0	0	0	0	1	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	70	62	72	71	82	65	71	69	60	63	69	61	68	25%
Train Activation	168	92	106	96	101	0	0	0	0	0	70	109	106	39%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	1	0	0	1	0	0	0	0	0	0	1	0%
Total:	329	251	284	246	270	148	161	224	138	180	204	236	270	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	2	14	0	0	0	0	0	0	0	0	8	12%
Car Obstructed	5	2	6	5	7	5	8	2	1	3	6	1	4	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	2	2	1	3	1	6	0	5	3	0	0	0	3	4%
Driver Obstructed	6	7	8	5	8	4	5	6	7	2	3	3	5	8%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	3	4	5	4	7	6	11	5	2	3	5	8%
Glare on Windshield	1	1	3	4	5	6	4	6	1	0	1	0	3	5%
Illegible Plate	3	5	4	3	6	5	5	6	4	3	1	9	5	7%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	0	1	1	0	0	0	2	0	0	0	0	1	2%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	13	3	15	8	19	11	14	18	9	9	10	6	11	17%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	3	1	2	1	3	1	3	5	3	1	0	1	2	3%
Out of State	2	1	1	5	2	0	2	1	0	1	1	1	2	3%
Plate Obstructed	0	1	2	2	3	3	1	1	4	1	2	2	2	3%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	1	0	0	0	0	0	1	2%
TSB No Hit	0	15	10	0	9	0	14	23	16	13	11	8	13	20%
Total:	36	38	58	55	68	45	64	81	59	38	37	34	66	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	1	0	0	0	0	0	0	0	0	0	1	9%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	1	0	0	0	0	0	0	0	1	9%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	2	0	0	0	0	2	0	1	6	0	3	25%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	3	2	4	2	7	4	1	2	1	0	1	3	23%
Framing of Driver	0	0	0	0	0	2	0	0	0	0	0	0	2	18%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	2	3	0	2	1	0	2	1	2	16%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	3	5	4	5	12	4	5	3	2	8	2	11	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	18	17	18	17	17	17	17	17	18	18	17	17	17	17
Average Issued Red Seconds	10.0	12.7	0.6	19.2	11.0	5.9	6.0	2.0	35.6	3.8	9.2	42.1	13.2	13.2
Citation / Violation Issuance Rate	50%	52%	51%	49%	43%	54%	51%	43%	47%	55%	46%	48%	49%	49%
Controllable Issuance Rate	97%	94%	93%	93%	92%	85%	95%	93%	95%	96%	83%	94%	92%	92%



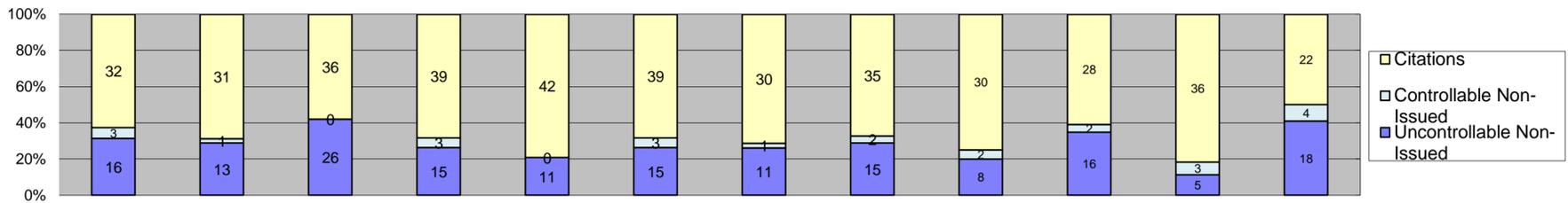
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2027: EB to NB Washington @ Broadway
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	%
Non-Violations	421	399	1,014	633	409	359	367	368	319	349	335	284	438	96%
Violations	11	12	23	14	12	18	22	20	16	10	9	24	16	4%
Total:	432	411	1,037	647	421	377	389	388	335	359	344	308	454	100%
Violations														
Uncontrollable Non-Issued	6	7	7	8	6	13	15	10	8	6	4	13	9	46%
Controllable Non-Issued	1	0	11	0	0	0	0	1	0	0	0	3	4	22%
Citations	4	5	5	6	6	5	7	9	8	4	5	8	6	32%
Total:	11	12	23	14	12	18	22	20	16	10	9	24	19	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	1	0	1	1	0	1	1	0	0	0	1	1	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	277	280	828	490	285	290	297	306	261	289	228	187	335	73%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	50	56	68	65	68	68	69	61	58	60	58	59	62	13%
Train Activation	91	62	118	77	55	1	0	0	0	0	49	37	61	13%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	421	399	1,014	633	409	359	367	368	319	349	335	284	459	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	1	0	0	0	0	0	0	0	0	1	6%
Car Obstructed	1	1	0	1	0	0	0	2	0	1	0	1	1	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	1	1	6%
Driver Obstructed	1	2	0	0	0	1	2	1	0	2	0	3	2	9%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	1	1	1	1	0	0	1	1	6%
Glare on Windshield	0	0	0	0	0	2	0	2	0	0	1	1	2	8%
Illegible Plate	0	2	5	3	1	4	1	1	0	0	0	3	3	14%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	4	1	1	3	4	5	8	1	5	3	2	2	3	18%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	1	0	0	0	0	0	1	6%
Out of State	0	0	0	0	0	0	0	0	1	0	0	0	1	6%
Plate Obstructed	0	1	0	0	0	0	0	1	0	0	0	1	1	6%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	1	0	0	0	0	0	1	6%
TSB No Hit	0	0	1	0	1	0	1	1	1	0	1	0	1	6%
Total:	6	7	7	8	6	13	15	10	8	6	4	13	18	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	4	0	0	0	0	0	0	0	0	0	4	36%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	7	0	0	0	0	0	0	0	0	3	5	45%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	0	0	0	0	0	0	0	0	0	0	0	1	9%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	1	0	0	0	0	1	9%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	1	0	11	0	0	0	0	1	0	0	0	3	11	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	17	20	19	20	18	18	18	19	21	19	19	16	19	
Average Issued Red Seconds	468.7	220.8	144.1	29.0	100.2	15.4	57.7	143.4	175.6	147.0	103.7	61.9	139.0	
Citation / Violation Issuance Rate	36%	42%	22%	43%	50%	28%	32%	45%	50%	40%	56%	33%	40%	
Controllable Issuance Rate	80%	100%	31%	100%	100%	100%	100%	90%	100%	100%	100%	73%	89%	



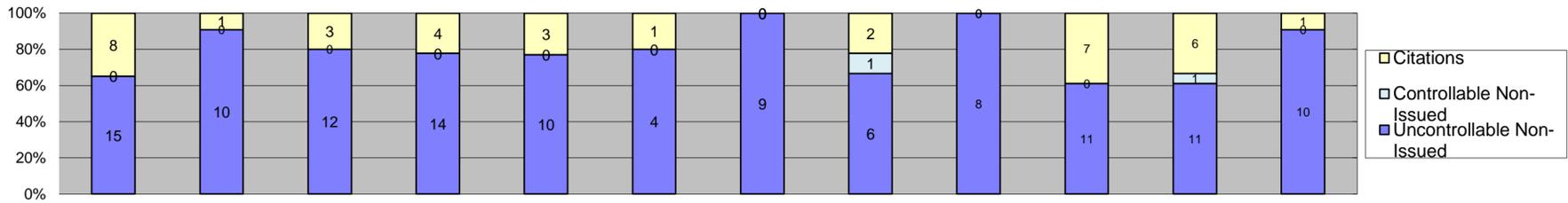
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2036: SB to EB Flower @ 18th St
Left Turn Movements**



Events	2019												Year to Date Average	
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Quantity	%
Non-Violations	1,189	864	986	1,134	1,142	466	220	374	527	500	981	877	772	94%
Violations	51	45	62	57	53	57	42	52	40	46	44	44	49	6%
Total:	1,240	909	1,048	1,191	1,195	523	262	426	567	546	1,025	921	821	100%
Violations														
Uncontrollable Non-Issued	16	13	26	15	11	15	11	15	8	16	5	18	14	28%
Controllable Non-Issued	3	1	0	3	0	3	1	2	2	2	3	4	2	5%
Citations	32	31	36	39	42	39	30	35	30	28	36	22	33	67%
Total:	51	45	62	57	53	57	42	52	40	46	44	44	50	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	1	0	1	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	387	305	316	353	360	200	69	111	175	226	343	315	263	33%
Rear Axle Activation	0	0	1	0	0	0	0	0	0	0	1	0	1	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	105	94	124	146	138	118	151	139	125	124	107	100	123	15%
Train Activation	697	464	545	635	644	148	0	124	227	150	529	462	420	52%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	0%
Total:	1,189	864	986	1,134	1,142	466	220	374	527	500	981	877	809	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	2	5	1	0	0	0	0	0	0	0	3	11%
Car Obstructed	0	0	0	1	0	0	1	0	1	0	0	1	1	4%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	0	1	0	0	1	1	1	0	0	0	1	4%
Driver Obstructed	3	4	5	1	4	1	2	2	2	2	0	0	3	11%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	0	1	0	0	1	4%
Glare on Windshield	0	0	1	0	0	0	1	0	0	0	0	1	1	4%
Illegible Plate	0	0	0	0	0	1	0	0	0	1	0	0	1	4%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	1	0	1	4%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	11	3	14	4	1	9	5	8	3	4	2	9	6	25%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	1	1	0	1	0	1	0	0	0	0	1	4%
Out of State	2	2	1	1	0	3	0	0	0	0	0	2	2	8%
Plate Obstructed	0	0	0	1	0	0	0	0	0	1	1	0	1	4%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	4	2	0	5	0	1	3	1	7	1	5	3	13%
Total:	16	13	26	15	11	15	11	15	8	16	5	18	24	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	1	0	0	0	0	0	0	0	0	1	14%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	2	1	0	2	0	1	0	2	2	1	0	0	2	22%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	2	2	28%
Framing of Driver	1	0	0	0	0	1	1	0	0	1	3	2	2	21%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	1	0	0	0	0	0	0	1	14%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	3	1	0	3	0	3	1	2	2	2	3	4	7	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	16	16	15	16	16	16	15	16	16	17	15	16	16	
Average Issued Red Seconds	5.8	3.0	3.5	3.1	5.0	8.1	6.8	2.4	3.9	5.1	1.5	7.4	4.6	
Citation / Violation Issuance Rate	63%	69%	58%	68%	79%	68%	71%	67%	75%	61%	82%	50%	68%	
Controllable Issuance Rate	91%	97%	100%	93%	100%	93%	97%	95%	94%	93%	92%	85%	94%	



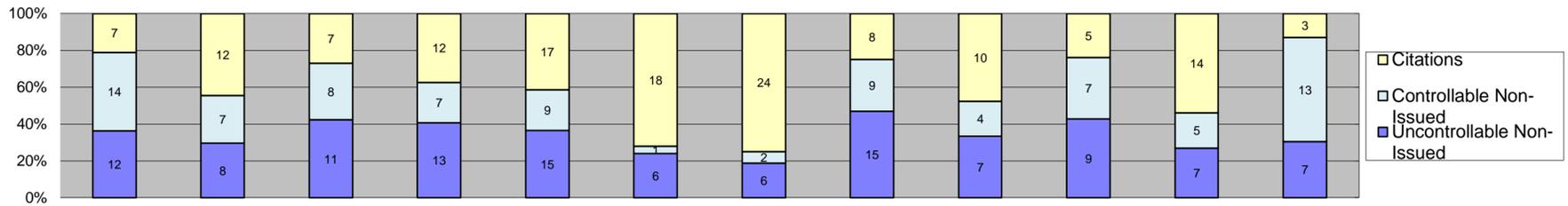
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2046: SB to EB Flower @ 10 Fwy Onramp
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
	Quantity	%												
Non-Violations	599	424	451	530	526	226	114	176	265	233	453	455	371	97%
Violations	23	11	15	18	13	5	9	9	8	18	18	11	13	3%
Total:	622	435	466	548	539	231	123	185	273	251	471	466	384	100%
Violations														
Uncontrollable Non-Issued	15	10	12	14	10	4	9	6	8	11	11	10	10	68%
Controllable Non-Issued	0	0	0	0	0	0	0	1	0	0	1	0	1	7%
Citations	8	1	3	4	3	1	0	2	0	7	6	1	4	25%
Total:	23	11	15	18	13	5	9	9	8	18	18	11	15	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle PD	0	1	0	1	0	0	0	0	0	0	0	0	1	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	142	111	129	161	142	85	26	51	80	83	128	122	105	27%
Rear Axle Activation	0	0	0	0	0	2	0	0	0	0	1	0	2	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	74	69	72	79	70	64	88	69	60	64	65	62	70	18%
Train Activation	382	243	250	288	314	75	0	56	125	85	259	271	213	55%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	1	0	0	1	0	0	0	0	0	1	0	0	1	0%
Total:	599	424	451	530	526	226	114	176	265	233	453	455	392	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	1	0	0	0	0	0	0	0	0	1	6%
Car Obstructed	1	1	1	0	0	0	0	0	0	0	0	1	1	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	0	2	0	0	0	0	0	1	0	0	0	2	8%
Driver Obstructed	7	4	6	7	5	3	7	4	3	5	5	7	5	30%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	0	0	0	0	0	1	1	3	0	2	9%
Glare on Windshield	0	0	0	0	0	1	0	0	0	0	0	0	1	6%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	6	4	3	5	5	0	1	2	2	3	1	1	3	17%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	1	0	0	1	0	0	0	0	0	1	0	1	1	6%
Out of State	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Plate Obstructed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	1	0	0	0	0	0	1	6%
TSB No Hit	0	1	0	0	0	0	0	0	1	1	2	0	1	7%
Total:	15	10	12	14	10	4	9	6	8	11	11	10	18	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	0	0	0	0	0	0	0	1	0	0	0	0	1	50%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	1	0	1	50%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	0	1	0	0	1	0	2	100%						
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	18	23	17	16	20	20	15	22	16	20	18	14	18	
Average Issued Red Seconds	0.9	0.6	1.0	1.2	0.4	0.5	0.0	0.8	0.6	0.9	2.1	1.8	1.0	
Citation / Violation Issuance Rate	35%	9%	20%	22%	23%	20%	0%	22%	0%	39%	33%	9%	23%	
Controllable Issuance Rate	100%	100%	100%	100%	100%	100%	0%	67%	0%	100%	86%	100%	95%	



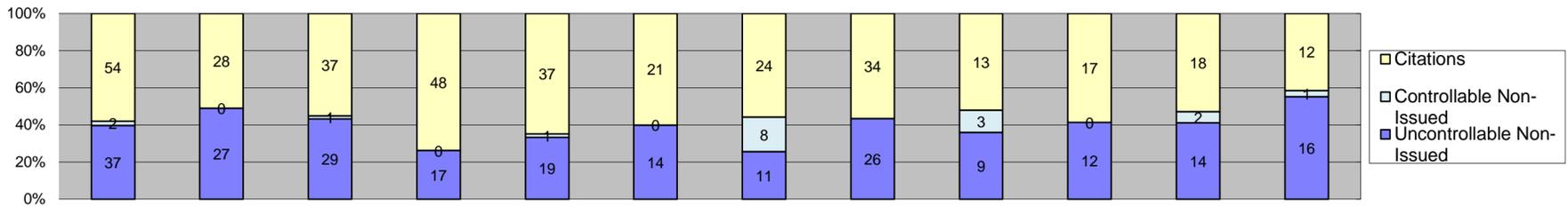
**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2054: WB Venice @ Flower
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	102	85	117	115	106	110	108	139	95	84	95	99	105	79%
Violations	33	27	26	32	41	25	32	32	21	21	26	23	28	21%
Total:	135	112	143	147	147	135	140	171	116	105	121	122	133	100%
Violations														
Uncontrollable Non-Issued	12	8	11	13	15	6	6	15	7	9	7	7	10	34%
Controllable Non-Issued	14	7	8	7	9	1	2	9	4	7	5	13	7	25%
Citations	7	12	7	12	17	18	24	8	10	5	14	3	11	40%
Total:	33	27	26	32	41	25	32	32	21	21	26	23	28	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	1	2	0	1	0	2	3	0	0	0	3	2	2%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	2	0	0	0	2	2%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	22	18	40	38	33	43	38	39	27	20	26	33	31	29%
Rear Axle Activation	0	0	0	0	0	0	1	0	0	0	1	0	1	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	71	65	72	72	69	66	67	96	65	64	65	61	69	64%
Train Activation	8	1	3	5	3	1	0	1	1	0	3	2	3	3%
Amber Time Low	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	102	85	117	115	106	110	108	139	95	84	95	99	108	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	1	2	0	0	0	0	0	0	0	2	8%
Car Obstructed	0	0	1	1	1	0	0	1	0	2	1	1	1	6%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	1	0	0	0	0	0	1	0	0	0	0	1	6%
Driver Obstructed	1	0	1	0	0	0	0	0	0	0	0	0	1	6%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	0	0	0	2	0	0	1	1	2	2	0	1	2	8%
Glare on Windshield	0	0	0	0	0	0	0	0	1	0	1	0	1	6%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	0	0	0	1	0	1	1	0	0	0	0	1	6%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	7	5	6	7	10	5	1	6	2	3	2	3	5	26%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	1	0	0	0	0	0	0	1	6%
Out of State	2	0	1	0	0	0	0	1	0	0	0	0	1	7%
Plate Obstructed	1	0	1	1	0	0	0	1	1	1	0	0	1	6%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	2	1	1	1	0	3	3	1	1	3	2	2	10%
Total:	12	8	11	13	15	6	6	15	7	9	7	7	18	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	1	1	0	0	0	0	0	0	0	0	0	1	11%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	1	1	0	0	0	0	0	0	0	0	0	0	1	11%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	4	0	3	1	2	0	1	6	2	3	4	6	3	34%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	9	5	4	6	7	1	1	3	2	4	1	7	4	44%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	14	7	8	7	9	1	2	9	4	7	5	13	9	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	22	22	26	22	25	23	23	25	21	23	21	24	23	
Average Issued Red Seconds	2.2	0.4	0.3	0.8	9.3	0.6	0.7	2.2	18.0	0.7	8.9	0.3	3.7	
Citation / Violation Issuance Rate	21%	44%	27%	38%	41%	72%	75%	25%	48%	24%	54%	13%	40%	
Controllable Issuance Rate	33%	63%	47%	63%	65%	95%	92%	47%	71%	42%	74%	19%	59%	



**Los Angeles County MTA Blue Line
Approach Summary Report
Location 2056: SB to EB Flower @ Venice
Left Turn Movements**



Events	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Year to Date Average	
													Quantity	%
Non-Violations	465	429	498	409	438	303	258	272	277	325	429	390	374	88%
Violations	93	55	67	65	57	35	43	60	25	29	34	29	49	12%
Total:	558	484	565	474	495	338	301	332	302	354	463	419	424	100%
Violations														
Uncontrollable Non-Issued	37	27	29	17	19	14	11	26	9	12	14	16	19	38%
Controllable Non-Issued	2	0	1	0	1	0	8	0	3	0	2	1	3	5%
Citations	54	28	37	48	37	21	24	34	13	17	18	12	29	57%
Total:	93	55	67	65	57	35	43	60	25	29	34	29	50	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	1	1	2	0	2	1	0	0	0	0	0	2	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	181	167	180	119	141	138	158	136	104	134	142	119	143	37%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	103	85	107	96	100	95	99	104	95	92	95	96	97	25%
Train Activation	178	176	210	192	196	68	0	32	78	99	192	175	145	37%
Amber Time Low	0	0	0	0	1	0	0	0	0	0	0	0	1	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	465	429	498	409	438	303	258	272	277	325	429	390	388	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Address/CDL/DOB Match Fail	0	0	0	1	0	0	0	0	0	0	0	0	1	4%
Car Obstructed	0	0	1	0	0	0	0	0	0	0	0	0	1	4%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	0	2	0	0	1	1	0	0	0	0	0	0	1	5%
Driver Obstructed	2	3	4	2	2	0	2	2	1	0	1	1	2	7%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	10	1	3	2	2	2	0	6	4	3	0	4	4	14%
Glare on Windshield	0	0	0	0	2	0	1	0	0	0	0	1	1	5%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	1	1	4%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	25	17	12	11	10	7	4	8	2	5	9	4	10	35%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	0	0	0	0	1	0	1	0	0	0	1	1	4%
Out of State	0	1	1	0	1	1	3	2	1	1	1	1	1	5%
Plate Obstructed	0	0	1	1	1	1	0	2	0	0	0	0	1	4%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	3	7	0	0	1	1	5	1	3	3	3	3	11%
Total:	37	27	29	17	19	14	11	26	9	12	14	16	27	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	0	0	1	0	0	0	0	0	0	0	1	0	1	13%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Entry Error	2	0	0	0	1	0	0	0	0	0	0	0	2	20%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	8	0	3	0	0	1	4	53%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Driver	0	0	0	0	0	0	0	0	0	0	1	0	1	13%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	2	0	1	0	1	0	8	0	3	0	2	1	8	100%
Summary Metrics													Year to Date Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	19	18	18	18	19	19	17	17	18	16	18	18	18	
Average Issued Red Seconds	44.9	64.5	32.7	56.6	33.5	50.4	36.6	78.6	35.9	311.1	160.5	42.2	79.0	
Citation / Violation Issuance Rate	58%	51%	55%	74%	65%	60%	56%	57%	52%	59%	53%	41%	57%	
Controllable Issuance Rate	96%	100%	97%	100%	97%	100%	75%	100%	81%	100%	90%	92%	94%	

Direction	Location	Code	Movement	Days of Enforcement	CIR	Events	Violations	Citations
WB	20th St @ Long Beach Blvd.	322	Straight	31	33%	952	3	1
EB	Vernon Ave @ Long Beach	421	Straight	31	88%	138	26	14
EB	Century Blvd. @ Grandee	821	Straight	31	0%	62	0	0
WB	Century Blvd. @ Grandee	822	Straight	31	0%	62	0	0
EB	103rd St @ Grandee	841	Straight	31	83%	135	14	5
EB	119th St @ Willowbrook	981	Straight	31	94%	173	81	50
WB	119th St @ Willowbrook	982	Straight	31	40%	1127	7	2
EB	130th @ Willowbrook	1051	Straight	31	84%	90	22	16
WB	130th @ Willowbrook	1052	Straight	31	100%	84	4	3
EB	Stockwell @ Willowbrook	1081	Straight	31	100%	75	9	6
WB	Stockwell @ Willowbrook	1082	Straight	31	44%	125	22	7
EB	Washington to NB Los Angeles	2003	Left	31	98%	1634	72	45
WB	Washington to SB Los Angeles	2008	Left	31	0%	380	0	0
EB	Washington to NB San Pedro	2017	Left	31	98%	636	276	163
WB	Washington to SB San Pedro	2018	Left	31	94%	305	69	33
EB	Washington to NB Broadway	2027	Left	31	73%	308	24	8
SB	Flower to EB 18th Street	2036	Left	31	85%	921	44	22
SB	Flower to EB 10 Fwy On Ramp	2046	Left	31	100%	466	11	1
WB	Venice @ Flower	2054	Left	31	19%	122	23	3
SB	Flower to EB Venice	2056	Left	31	92%	419	29	18
Totals				31		8,214	736	397

*Yield is the number of citations issued per day of enforcement.

**GA Blue Line
By Location
September 2019**

Yield*
0.03
0.45
0.00
0.00
0.16
1.61
0.06
0.52
0.10
0.19
0.23
1.45
0.00
5.26
1.06
0.26
0.71
0.03
0.10
0.58
12.81