



Expo Line Monthly Report



Metro

Los Angeles County
Metropolitan Transportation Authority

September 2018

CONDUENT



Prepared by: Conduent State and Local Solutions
Confidential

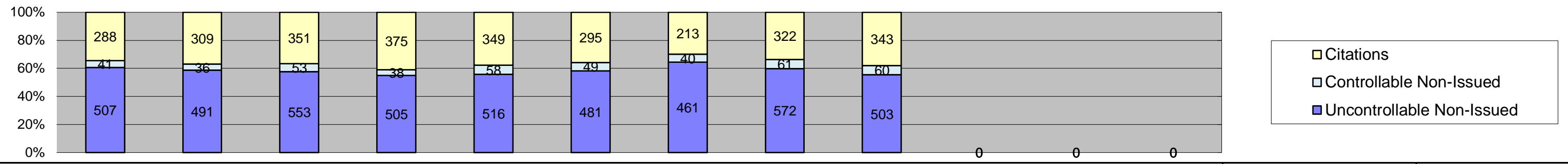


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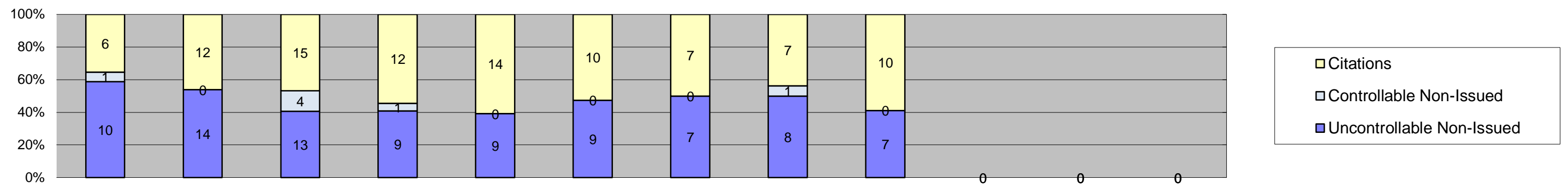
Los Angeles County MTA Expo Line
Approach Summary Report
All Locations
2018



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	Quantity	%
Non-Violations	12,735	12,518	13,860	12,902	13,947	12,865	11,429	11,263	10,303	0	0	0	12,425	93%
Violations	836	836	957	918	923	825	714	955	906	0	0	0	874	7%
Total	13,571	13,354	14,817	13,820	14,870	13,690	12,143	12,218	11,209	0	0	0	13,299	100%
Violations														
Uncontrollable Non-Issued	507	491	553	505	516	481	461	572	503	0	0	0	510	58%
Controllable Non-Issued	41	36	53	38	58	49	40	61	60	0	0	0	48	6%
Citations	288	309	351	375	349	295	213	322	343	0	0	0	316	36%
Total	836	836	957	918	923	825	714	955	906	0	0	0	874	64%
Non-Violations														
Emergency Vehicle Non-Issuable	20	19	304	21	22	29	22	20	29	0	0	0	54	0%
Emergency Vehicle PD	0	0	0	0	4	3	1	2	0	0	0	0	3	0%
Intersection Control in Progress-PD	0	1	0	2	0	1	0	0	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	10,218	10,082	10,939	10,376	11,384	10,261	8,876	8,653	7,806	0	0	0	9,844	79%
Rear Axle Activation	108	90	89	104	64	77	79	141	158	0	0	0	101	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	2,386	2,325	2,528	2,397	2,473	2,494	2,451	2,447	2,259	0	0	0	2,418	19%
Train Activation	0	0	0	0	0	0	0	0	51	0	0	0	0	0%
Amber Time Low	1	0	0	0	0	0	0	0	0	0	0	0	1	0%
Vehicle Stopped- PD	2	1	0	2	0	0	0	0	0	0	0	0	2	0%
Total	12,735	12,518	13,860	12,902	13,947	12,865	11,429	11,263	10,303	0	0	0	12,423	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	1	0	0	0	0	1	0%
Address/CDL/DOB Match Fail	0	0	0	0	1	0	0	0	0	0	0	0	1	0%
Car Obstructed	6	5	10	12	5	8	1	14	13	0	0	0	8	2%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	62	54	28	27	12	21	22	14	12	0	0	0	28	5%
Driver Obstructed	21	28	40	38	32	43	26	53	36	0	0	0	35	7%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Plate	146	158	133	173	174	127	115	139	149	0	0	0	146	28%
Glare on Windshield	35	20	27	40	23	65	74	71	32	0	0	0	43	8%
Illegible Plate	3	1	1	1	2	0	7	6	0	0	0	0	3	1%
Interest of Justice- PD	0	1	0	0	1	0	0	0	0	0	0	0	1	0%
Image Quality- PD	17	9	14	16	20	21	13	15	2	0	0	0	14	3%
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	144	149	198	155	181	150	165	200	207	0	0	0	172	33%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	32	32	22	17	27	21	16	21	11	0	0	0	22	4%
Out of State	10	10	16	5	11	10	16	18	11	0	0	0	12	2%
Plate Obstructed	31	23	32	21	27	15	6	19	17	0	0	0	21	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	1	0	0	0	0	0	1	12	0	0	0	5	1%
TSB No Hit	0	0	32	0	0	0	0	0	1	0	0	0	17	3%
Total	507	491	553	505	516	481	461	572	503	0	0	0	529	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	2	0	0	0	0	0	0	0	2	3%
Clarity of Driver	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Dark Interior	12	8	14	13	16	11	8	9	21	0	0	0	12	21%
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	2	1	0	0	0	0	0	0	2	3%
Data Entry Error	6	10	17	4	5	3	8	17	10	0	0	0	9	15%
Emergency Vehicle Issue	5	6	4	6	4	9	3	7	9	0	0	0	6	10%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	5	0	3	0	2	4	1	5	2	0	0	0	3	5%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	6	9	7	15	19	17	18	20	16	0	0	0	14	24%
Framing of Driver	0	0	0	0	0	0	0	3	0	0	0	0	3	5%
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	0	0	1	2%
Reject Expired	0	0	0	0	0	0	0	0	2	0	0	0	2	3%
Speed Not Determined	6	3	8	0	8	4	2	0	0	0	0	0	5	9%
Total	41	36	53	38	58	49	40	61	60	0	0	0	59	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	372	347	375	373	358	333	333	325	323	0	0	0	349	
Average Issued Red Seconds	729	808	851	1,195	1,373	898	1,442	501	601	0	0	0	933.0	
Citation / Violation Issuance Rate	34%	37%	37%	41%	38%	36%	30%	34%	38%	0%	0%	0%	36%	
Controllable Issuance Rate	88%	90%	87%	91%	86%	86%	84%	84%	85%	0%	0%	0%	87%	



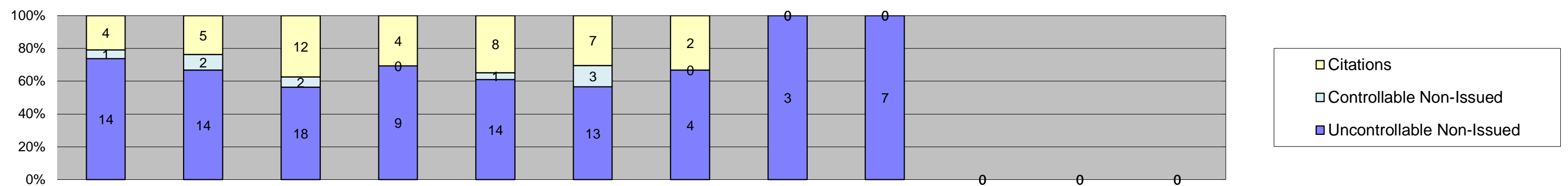
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5008: SB to EB Flower @ Washington



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average		
													Quantity	%	
Non-Violations	727	718	731	657	739	616	572	533	502					644	97%
Violations	17	26	32	22	23	19	14	16	17					21	3%
Total:	744	744	763	679	762	635	586	549	519					665	100%
Violations															
Uncontrollable Non-Issued	10	14	13	9	9	9	7	8	7					10	44%
Controllable Non-Issued	1	0	4	1	0	0	0	1	0					2	8%
Citations	6	12	15	12	14	10	7	7	10					10	48%
Total:	17	26	32	22	23	19	14	16	17					22	52%
Non-Violations															
Emergency Vehicle Non-Issuable	1	1	1	0	0	1	1	2	1					1	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0					0	0%
No Violation Occurred	589	582	595	529	603	491	440	405	378					512	80%
Rear Axle Activation	8	7	8	5	7	8	11	8	10					8	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0					0	0%
Test Shot	129	128	127	123	129	116	120	118	113					123	19%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0					0	0%
Total:	727	718	731	657	739	616	572	533	502					644	100%
Uncontrollable Non-Issued Violations															
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	3	6	2	1	0	1	1	0	0					2	14%
Driver Obstructed	0	0	0	0	1	0	0	0	0					1	6%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Glare on Plate	1	3	0	1	0	1	0	0	0					2	9%
Glare on Windshield	0	0	1	2	1	1	0	0	0					1	8%
Illegible Plate	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%
Image Quality- PD	0	0	1	0	0	0	0	0	1					1	6%
Issuance Criteria Not Met- PD	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%
No Plate	3	3	7	4	5	6	5	8	4					5	30%
No Speed Captured	0	0	0	0	0	0	0	0	0					0	0%
Obstruction In Photo- PD	1	2	0	1	1	0	0	0	0					1	8%
Out of State	2	0	1	0	1	0	1	0	1					1	7%
Plate Obstructed	0	0	1	0	0	0	0	0	0					1	6%
Short Yellow- PD	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%
TSB Expired	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%
Total:	10	14	13	9	9	9	7	8	7					17	100%
Controllable Non-Issued Violations															
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0					0	0%
Dark Interior	0	0	0	1	0	0	0	0	0					1	27%
Data Box Related- PD	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%
Data Entry Error	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%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Equipment Malfunction	1	0	3	0	0	0	0	1	0					2	45%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0					0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0					0	0%
Speed Not Determined	0	0	1	0	0	0	0	0	0					1	27%
Total:	1	0	4	1	0	0	0	1	0					4	100%
Summary Metrics															
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0					0	
Average Issued Speed	24	22	25	21	23	24	22	20	24					23	
Average Issued Red Seconds	6.2	32.9	6.9	32.3	10.5	0.6	4.2	13.0	3.5					12.2	
Citation / Violation Issuance Rate	35%	46%	47%	55%	61%	53%	50%	44%	59%					50%	
Controllable Issuance Rate	86%	100%	79%	92%	100%	100%	100%	88%	100%					94%	



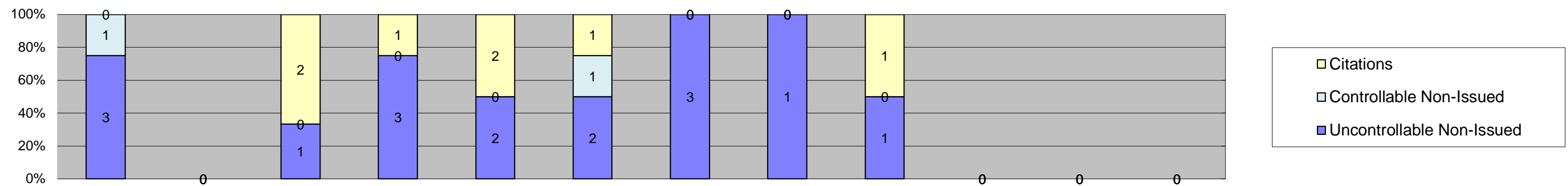
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5018: SB to WB Flower @ USC Trade Tech



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average		
													Quantity	%	
Non-Violations	1,920	2,136	2,559	2,206	2,576	2,520	1,755	783	786					1,916	99%
Violations	19	21	32	13	23	23	6	3	7					16	1%
Total:	1,939	2,157	2,591	2,219	2,599	2,543	1,761	786	793					1,932	100%
Violations															
Uncontrollable Non-Issued	14	14	18	9	14	13	4	3	7					11	58%
Controllable Non-Issued	1	2	2	0	1	3	0	0	0					2	10%
Citations	4	5	12	4	8	7	2	0	0					6	32%
Total:	19	21	32	13	23	23	6	3	7					18	68%
Non-Violations															
Emergency Vehicle Non-Issuable	0	0	0	1	0	0	0	1	0					1	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0					0	0%
No Violation Occurred	1,768	1,991	2,398	2,050	2,420	2,341	1,591	654	671					1,765	92%
Rear Axle Activation	4	6	1	0	2	1	0	0	0					3	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0					0	0%
Test Shot	148	139	160	154	154	178	164	128	115					149	8%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	1	0	0	0	0	0					1	0%
Total:	1,920	2,136	2,559	2,206	2,576	2,520	1,755	783	786					1,919	100%
Uncontrollable Non-Issued Violations															
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	1	2	0	0	0	2	0	0	1					2	8%
Driver Obstructed	3	5	1	0	1	0	0	0	3					3	14%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Glare on Plate	3	2	2	0	1	1	0	0	0					2	10%
Glare on Windshield	1	0	3	1	1	4	1	1	1					2	9%
Illegible Plate	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%
Image Quality- PD	0	0	2	2	0	1	0	0	0					2	9%
Issuance Criteria Not Met- PD	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%
No Plate	3	3	6	5	10	5	2	1	2					4	22%
No Speed Captured	0	0	0	0	0	0	0	0	0					0	0%
Obstruction In Photo- PD	1	1	1	0	0	0	0	1	0					1	5%
Out of State	1	0	1	0	1	0	1	0	0					1	5%
Plate Obstructed	1	1	0	1	0	0	0	0	0					1	5%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0					0	0%
TSB No Hit	0	0	2	0	0	0	0	0	0					2	11%
Total:	14	14	18	9	14	13	4	3	7					18	100%
Controllable Non-Issued Violations															
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0					0	0%
Dark Interior	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%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0					0	0%
Data Entry Error	0	0	2	0	0	0	0	0	0					2	38%
Emergency Vehicle Issue	0	0	0	0	0	1	0	0	0					1	19%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Equipment Malfunction	0	0	0	0	1	1	0	0	0					1	19%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0					0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0					0	0%
Speed Not Determined	1	2	0	0	0	1	0	0	0					1	25%
Total:	1	2	2	0	1	3	0	0	0					5	100%
Summary Metrics															
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0					0	
Average Issued Speed	18	16	19	20	18	18	14	17	19					18	
Average Issued Red Seconds	31.2	8.2	15.3	351.0	11.4	13.9	106.8	46.5	17.1					66.8	
Citation / Violation Issuance Rate	21%	24%	38%	31%	35%	30%	33%	0%	0%					30%	
Controllable Issuance Rate	80%	71%	86%	100%	89%	70%	100%	0%	0%					85%	



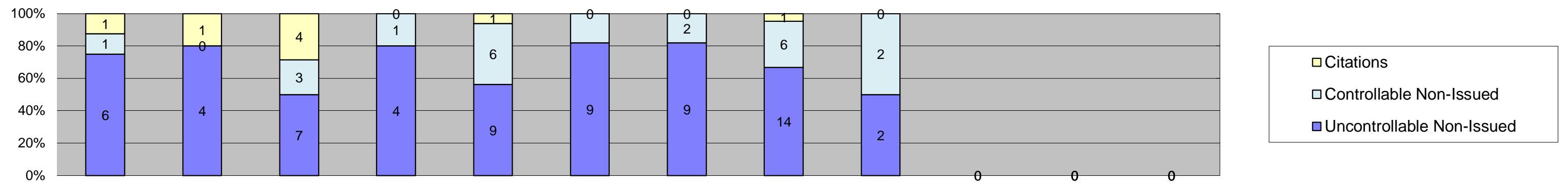
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5028: SB to EB Flower @ 23rd



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average		
													Quantity	%	
Non-Violations	1,056	1,081	1,167	1,156	1,114	1,199	1,086	1,207	1,231					1,144	100%
Violations	4	0	3	4	4	4	3	1	2					3	0%
Total:	1,060	1,081	1,170	1,160	1,118	1,203	1,089	1,208	1,233					1,147	100%
Violations															
Uncontrollable Non-Issued	3	0	1	3	2	2	3	1	1					2	45%
Controllable Non-Issued	1	0	0	0	0	1	0	0	0					1	23%
Citations	0	0	2	1	2	1	0	0	1					1	32%
Total:	4	0	3	4	4	4	3	1	2					4	68%
Non-Violations															
Emergency Vehicle Non-Issuable	1	0	0	0	0	0	0	0	1					1	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0					0	0%
No Violation Occurred	925	955	1,040	1,027	980	1,065	956	1,074	1,098					1,013	89%
Rear Axle Activation	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%
Test Shot	130	126	127	129	134	134	130	133	132					131	11%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0					0	0%
Total:	1,056	1,081	1,167	1,156	1,114	1,199	1,086	1,207	1,231					1,145	100%
Uncontrollable Non-Issued Violations															
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	2	0	0	1	0	0	0	0	0					2	25%
Driver Obstructed	0	0	0	0	0	0	0	0	0					0	0%
Exposed	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%
Glare on Windshield	0	0	0	0	0	0	2	0	0					2	34%
Illegible Plate	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%
Image Quality- PD	0	0	1	0	0	0	0	0	0					1	17%
Issuance Criteria Not Met- PD	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%
No Plate	1	0	0	2	2	2	1	1	1					1	24%
No Speed Captured	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%
Out of State	0	0	0	0	0	0	0	0	0					0	0%
Plate Obstructed	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%
Third Party Damage	0	0	0	0	0	0	0	0	0					0	0%
TSB Epired	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%
Total:	3	0	1	3	2	2	3	1	1					6	100%
Controllable Non-Issued Violations															
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0					0	0%
Dark Interior	0	0	0	0	0	1	0	0	0					1	50%
Data Box Related- PD	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%
Data Entry Error	0	0	0	0	0	0	0	0	0					0	0%
Emergency Vehicle Issue	1	0	0	0	0	0	0	0	0					1	50%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0					0	0%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0					0	0%
Operator Error	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%
Reject Expired	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%
Total:	1	0	0	0	0	1	0	0	0					2	100%
Summary Metrics															
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0					0	
Average Issued Speed	28	22	17	20	20	0	0	0	18					21	
Average Issued Red Seconds	200.0	61.0	520.2	61.8	89.6	0.0	0.0	0.0	67.3					166.7	
Citation / Violation Issuance Rate	0%	0%	67%	25%	50%	25%	0%	0%	50%					43%	
Controllable Issuance Rate	0%	0%	100%	100%	100%	50%	0%	0%	100%					90%	



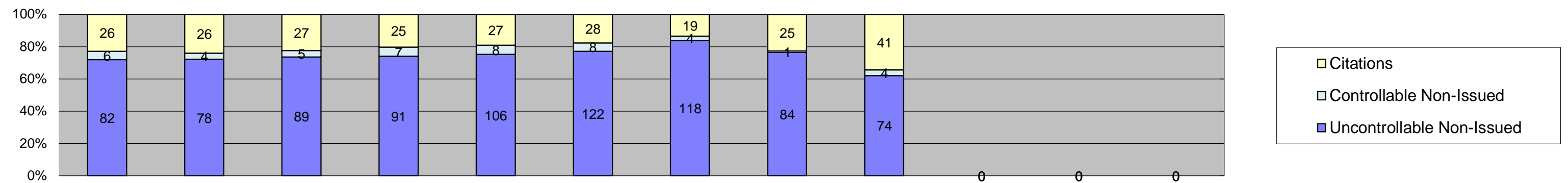
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5038: SB to EB Flower @ Adams



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	599	614	592	509	543	487	448	481	534				534	98%
Violations	8	5	14	5	16	11	11	21	4				11	2%
Total:	607	619	606	514	559	498	459	502	538				545	100%
Violations														
Uncontrollable Non-Issued	6	4	7	4	9	9	9	14	2				7	61%
Controllable Non-Issued	1	0	3	1	6	2	2	6	2				3	25%
Citations	1	1	4	0	1	0	0	1	0				2	14%
Total:	8	5	14	5	16	11	11	21	4				12	86%
Non-Violations														
Emergency Vehicle Non-Issuable	1	3	1	1	0	2	1	0	2				2	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	581	592	569	474	528	468	425	462	518				513	96%
Rear Axle Activation	6	7	5	11	2	1	2	5	7				5	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	10	12	17	23	13	16	20	14	7				15	3%
Train Activation	0	0	0	0	0	0	0	0	0				0	0%
Amber Time Low	1	0	0	0	0	0	0	0	0				1	0%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	599	614	592	509	543	487	448	481	534				535	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	0	0	0	0	0	6	0	0	0				6	34%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	0	0	1	0	0	0	0	0	0				1	6%
Driver Obstructed	5	3	4	2	5	0	5	10	1				4	25%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	0	0	0	0	0	0	1	0	0				1	6%
Glare on Windshield	1	0	0	0	1	0	1	1	1				1	6%
Illegible Plate	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%
Image Quality- PD	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%
No Warning Sign	0	0	0	0	0	0	0	0	0				0	0%
No Plate	0	1	0	2	1	3	2	2	0				2	10%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	0	0	1	0	0	0	0	0	0				1	6%
Out of State	0	0	1	0	2	0	0	1	0				1	8%
Plate Obstructed	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%
Third Party Damage	0	0	0	0	0	0	0	0	0				0	0%
TSB Epired	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%
Total:	6	4	7	4	9	9	9	14	2				18	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	1	0	3	0	5	2	1	3	2				2	48%
Data Box Related- PD	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%
Data Entry Error	0	0	0	1	0	0	1	3	0				2	33%
Emergency Vehicle Issue	0	0	0	0	1	0	0	0	0				1	20%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	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%
Total:	1	0	3	1	6	2	2	6	2				5	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	17	15	16	17	18	24	16	16	0				17	
Average Issued Red Seconds	217.2	107.3	162.0	207.7	337.2	164.2	249.0	0.1	0.0				180.6	
Citation / Violation Issuance Rate	13%	20%	29%	0%	6%	0%	0%	5%	0%				14%	
Controllable Issuance Rate	50%	100%	57%	0%	14%	0%	0%	14%	0%				47%	



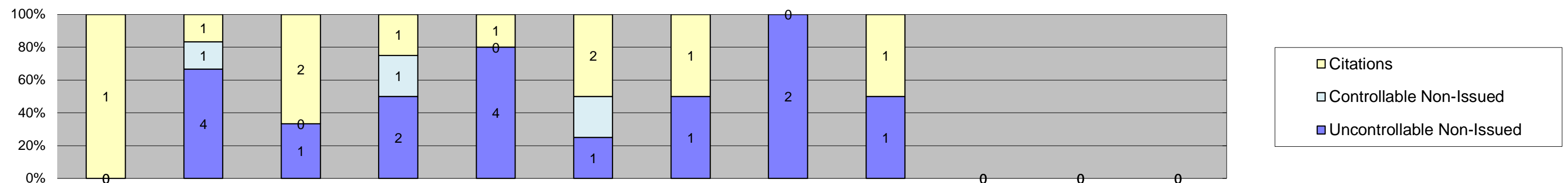
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5048: SB to EB Flower at 28th



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	158	156	151	166	154	163	151	189	163				161	56%
Violations	114	108	121	123	141	158	141	110	119				126	44%
Total:	272	264	272	289	295	321	292	299	282				287	100%
Violations														
Uncontrollable Non-Issued	82	78	89	91	106	122	118	84	74				94	74%
Controllable Non-Issued	6	4	5	7	8	8	4	1	4				5	4%
Citations	26	26	27	25	27	28	19	25	41				27	21%
Total:	114	108	121	123	141	158	141	110	119				126	79%
Non-Violations														
Emergency Vehicle Non-Issuable	0	2	0	2	1	0	0	1	0				2	1%
Emergency Vehicle PD	0	0	0	0	1	2	0	0	0				2	1%
Intersection Control in Progress-PD	0	1	0	1	0	1	0	0	0				1	1%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	17	18	17	21	21	18	15	41	31				22	13%
Rear Axle Activation	9	4	6	7	11	13	5	12	4				8	5%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	132	131	128	134	120	129	131	135	127				130	79%
Train Activation	0	0	0	0	0	0	0	0	1				1	0%
Amber Time Low	0	0	0	0	0	0	0	0	0				0	0%
Vehicle Stopped- PD	0	0	0	1	0	0	0	0	0				1	1%
Total:	158	156	151	166	154	163	151	189	163				165	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0				0	0%
Address/CDL/DOB Match Fail	0	0	0	0	1	0	0	0	0				1	1%
Car Obstructed	0	0	0	1	0	0	0	0	0				1	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	20	15	11	14	5	9	10	3	2				10	10%
Driver Obstructed	9	10	17	18	12	22	12	16	16				15	15%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	2	6	1	7	1	1	0	2	11				4	4%
Glare on Windshield	1	3	14	18	13	46	48	26	3				19	19%
Illegible Plate	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%
Image Quality- PD	2	6	6	6	11	5	8	8	0				7	6%
Issuance Criteria Not Met- PD	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%
No Plate	29	24	28	21	38	26	28	22	34				28	28%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	13	10	6	3	17	9	11	5	6				9	9%
Out of State	1	2	0	1	3	2	1	2	1				2	2%
Plate Obstructed	5	2	3	2	5	2	0	0	1				3	3%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	3	0	0	0	0	0	0				3	3%
Total:	82	78	89	91	106	122	118	84	74				100	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	3	3	4	6	6	5	2	0	4				4	41%
Data Box Related- PD	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%
Data Entry Error	1	0	1	1	0	1	1	1	0				1	10%
Emergency Vehicle Issue	0	0	0	0	0	1	0	0	0				1	10%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	2	0	0	0	0	0	1	0	0				2	15%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	1	0	0	0	0	0	0	0				1	10%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	0	0	0	0	2	1	0	0	0				2	15%
Total:	6	4	5	7	8	8	4	1	4				10	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	27	27	28	27	27	28	28	26	27				27	
Average Issued Red Seconds	0.4	0.5	0.5	0.4	0.9	0.5	2.9	0.5	0.6				0.8	
Citation / Violation Issuance Rate	23%	24%	22%	20%	19%	18%	13%	23%	34%				22%	
Controllable Issuance Rate	81%	87%	84%	78%	77%	78%	83%	96%	91%				84%	



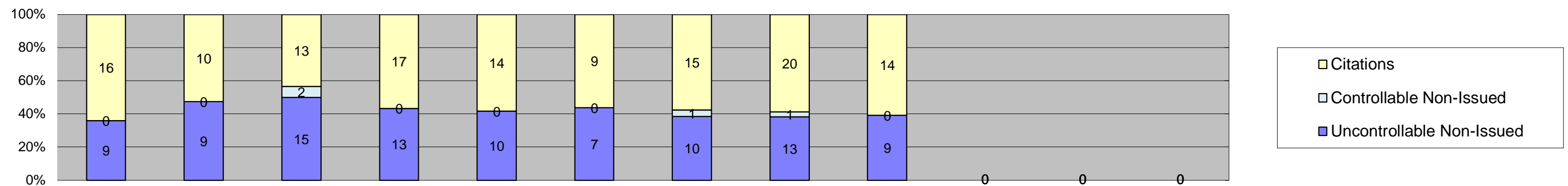
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5058: SB to EB Flower @ 30th



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average		
													Quantity	%	
Non-Violations	952	915	1,075	963	977	871	902	1,071	939					963	100%
Violations	1	6	3	4	5	4	2	2	2					3	0%
Total:	953	921	1,078	967	982	875	904	1,073	941					966	100%
Violations															
Uncontrollable Non-Issued	0	4	1	2	4	1	1	2	1					2	47%
Controllable Non-Issued	0	1	0	1	0	1	0	0	0					1	24%
Citations	1	1	2	1	1	2	1	0	1					1	29%
Total:	1	6	3	4	5	4	2	2	2					4	71%
Non-Violations															
Emergency Vehicle Non-Issuable	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%
Intersection Control in Progress- PD	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%
No Violation Occurred	804	764	913	818	818	726	756	910	791					811	84%
Rear Axle Activation	2	2	1	0	1	1	0	3	0					2	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0					0	0%
Test Shot	146	149	161	145	158	144	146	158	148					151	16%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0					0	0%
Total:	952	915	1,075	963	977	871	902	1,071	939					963	100%
Uncontrollable Non-Issued Violations															
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0					0	0%
Driver Obstructed	0	0	0	0	0	0	0	0	0					0	0%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Glare on Plate	0	0	0	0	0	1	0	0	0					1	21%
Glare on Windshield	0	0	0	0	0	0	0	0	0					0	0%
Illegible Plate	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%
Image Quality- PD	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%
No Warning Sign	0	0	0	0	0	0	0	0	0					0	0%
No Plate	0	3	1	1	4	0	0	1	1					2	38%
No Speed Captured	0	0	0	0	0	0	0	0	0					0	0%
Obstruction In Photo- PD	0	0	0	0	0	0	0	1	0					1	21%
Out of State	0	1	0	1	0	0	1	0	0					1	21%
Plate Obstructed	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%
Third Party Damage	0	0	0	0	0	0	0	0	0					0	0%
TSB Epired	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%
Total:	0	4	1	2	4	1	1	2	1					5	100%
Controllable Non-Issued Violations															
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0					0	0%
Dark Interior	0	1	0	0	0	0	0	0	0					1	33%
Data Box Related- PD	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%
Data Entry Error	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%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0					0	0%
Framing- PD	0	0	0	0	0	0	0	0	0					0	0%
Framing of Car	0	0	0	1	0	0	0	0	0					1	33%
Framing of Driver	0	0	0	0	0	0	0	0	0					0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0					0	0%
Speed Not Determined	0	0	0	0	0	1	0	0	0					1	33%
Total:	0	1	0	1	0	1	0	0	0					3	100%
Summary Metrics															
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0					0	
Average Issued Speed	16	16	17	22	18	18	23	16	14					18	
Average Issued Red Seconds	46.0	54.5	39.6	97.3	28.0	250.5	419.2	46.7	95.2					119.7	
Citation / Violation Issuance Rate	100%	17%	67%	25%	20%	50%	50%	0%	50%					47%	
Controllable Issuance Rate	100%	50%	100%	50%	100%	67%	100%	0%	100%					83%	



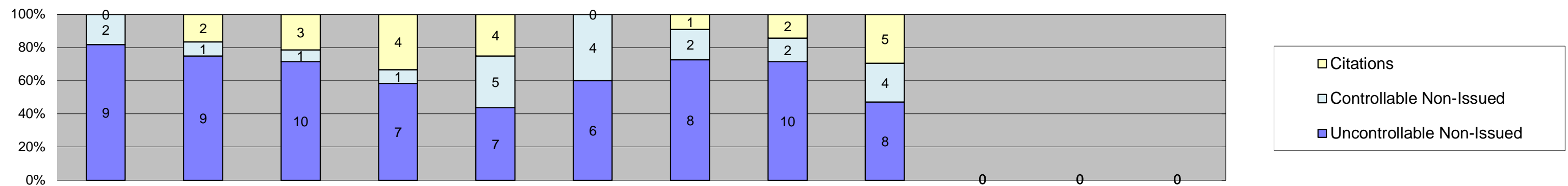
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5068: SB to EB Flower @ Jefferson



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average		
													Quantity	%	
Non-Violations	1,151	1,124	1,171	1,086	1,161	1,014	951	933	909					1,056	98%
Violations	25	19	30	30	24	16	26	34	23					25	2%
Total:	1,176	1,143	1,201	1,116	1,185	1,030	977	967	932					1,081	100%
Violations															
Uncontrollable Non-Issued	9	9	15	13	10	7	10	13	9					11	40%
Controllable Non-Issued	0	0	2	0	0	0	1	1	0					1	5%
Citations	16	10	13	17	14	9	15	20	14					14	54%
Total:	25	19	30	30	24	16	26	34	23					26	46%
Non-Violations															
Emergency Vehicle Non-Issuable	1	0	0	0	0	0	0	0	1					1	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0					0	0%
No Violation Occurred	987	971	1,001	931	997	861	798	783	780					901	85%
Rear Axle Activation	2	1	3	3	0	0	2	4	3					3	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0					0	0%
Test Shot	161	152	167	152	164	153	151	146	125					152	14%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0					0	0%
Total:	1,151	1,124	1,171	1,086	1,161	1,014	951	933	909					1,057	100%
Uncontrollable Non-Issued Violations															
Administrative Dismissal	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%
Car Obstructed	0	0	0	1	0	0	0	0	0					1	5%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0					0	0%
Driver Identity Unclear	1	1	0	0	0	0	1	0	0					1	5%
Driver Obstructed	0	0	1	1	1	0	2	4	0					2	9%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Glare on Plate	0	1	2	2	1	1	2	0	0					2	7%
Glare on Windshield	0	0	0	0	0	1	0	2	0					2	7%
Illegible Plate	0	0	0	0	0	0	0	0	0					0	0%
Interest of Justice- PD	0	0	0	0	1	0	0	0	0					1	5%
Image Quality- PD	0	0	1	0	0	0	0	0	0					1	5%
Issuance Criteria Not Met- PD	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%
No Plate	4	6	6	7	4	3	4	4	9					5	25%
No Speed Captured	0	0	0	0	0	0	0	0	0					0	0%
Obstruction In Photo- PD	1	0	1	0	2	1	0	1	0					1	6%
Out of State	1	1	1	2	1	1	1	1	0					1	5%
Plate Obstructed	2	0	0	0	0	0	0	1	0					2	7%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0					0	0%
TSB No Hit	0	0	3	0	0	0	0	0	0					3	14%
Total:	9	9	15	13	10	7	10	13	9					21	100%
Controllable Non-Issued Violations															
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0					0	0%
Dark Interior	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%
Data Box Data Error- PD	0	0	0	0	0	0	0	0	0					0	0%
Data Entry Error	0	0	2	0	0	0	1	0	0					2	60%
Emergency Vehicle Issue	0	0	0	0	0	0	0	1	0					1	40%
Exposed	0	0	0	0	0	0	0	0	0					0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0					0	0%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0					0	0%
Operator Error	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%
Reject Expired	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%
Total:	0	0	2	0	0	0	1	1	0					3	100%
Summary Metrics															
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0					0	
Average Issued Speed	19	19	19	18	20	19	17	18	18					19	
Average Issued Red Seconds	0.4	8.1	0.5	3.2	28.0	0.6	0.5	31.9	55.8					14.3	
Citation / Violation Issuance Rate	64%	53%	43%	57%	58%	56%	58%	59%	61%					57%	
Controllable Issuance Rate	100%	100%	87%	100%	100%	100%	94%	95%	100%					97%	



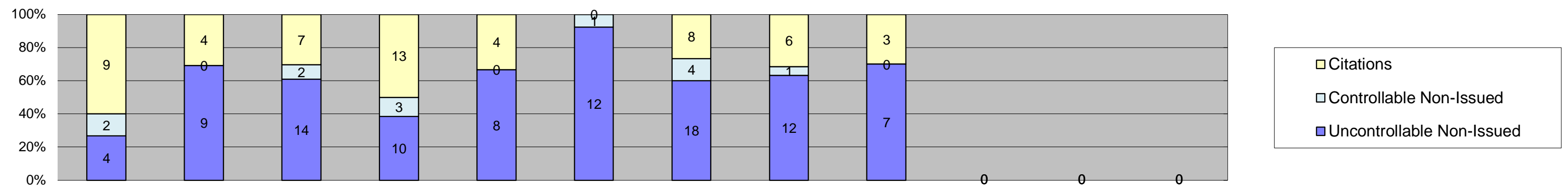
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5077: EB to NB Exposition @ Watt



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	219	257	327	261	252	211	217	226	206				242	95%
Violations	11	12	14	12	16	10	11	14	17				13	5%
Total:	230	269	341	273	268	221	228	240	223				255	100%
Violations														
Uncontrollable Non-Issued	9	9	10	7	7	6	8	10	8				8	60%
Controllable Non-Issued	2	1	1	1	5	4	2	2	4				2	18%
Citations	0	2	3	4	4	0	1	2	5				3	22%
Total:	11	12	14	12	16	10	11	14	17				14	78%
Non-Violations														
Emergency Vehicle Non-Issuable	1	1	2	2	3	1	3	2	4				2	1%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	98	127	125	127	112	90	97	105	96				109	45%
Rear Axle Activation	0	0	1	1	1	0	1	0	1				1	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	120	129	199	131	136	120	116	119	105				131	54%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	219	257	327	261	252	211	217	226	206				242	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	0	1	1	0	0	0	0	0	0				1	7%
Driver Obstructed	1	0	0	2	0	2	1	2	1				2	11%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	2	6	5	3	4	3	1	4	4				4	26%
Glare on Windshield	0	1	0	0	0	0	2	1	1				1	9%
Illegible Plate	1	0	0	0	0	0	0	0	0				1	7%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0				0	0%
Image Quality- PD	1	1	0	0	0	0	0	0	0				1	7%
Issuance Criteria Not Met- PD	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%
No Plate	4	0	3	1	3	1	4	2	2				3	18%
No Speed Captured	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%
Out of State	0	0	0	0	0	0	0	0	0				0	0%
Plate Obstructed	0	0	1	1	0	0	0	0	0				1	7%
Short Yellow- PD	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%
TSB Epired	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%
Total:	9	9	10	7	7	6	8	10	8				14	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	0	1	1	1	1	0	0	3				1	20%
Data Box Related- PD	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%
Data Entry Error	1	0	0	0	0	0	0	0	0				1	14%
Emergency Vehicle Issue	0	0	0	0	1	0	0	0	0				1	14%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	1	0	0	0	1				1	14%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	1	1	0	0	1	3	2	2	0				2	24%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	0	0	0	0	1	0	0	0	0				1	14%
Total:	2	1	1	1	5	4	2	2	4				7	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	19	20	17	17	17	16	17	17	21				18	
Average Issued Red Seconds	42.5	0.5	54.8	24.8	67.6	231.4	80.6	33.6	7.0				60.3	
Citation / Violation Issuance Rate	0%	17%	21%	33%	25%	0%	9%	14%	29%				21%	
Controllable Issuance Rate	0%	67%	75%	80%	44%	0%	33%	50%	56%				58%	



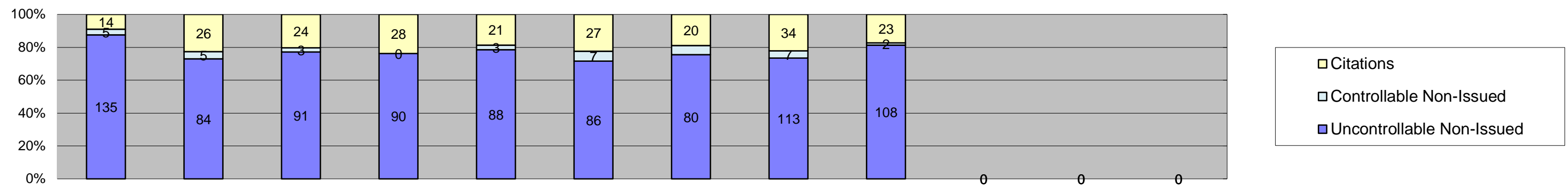
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5079: WB to SB Exposition @ Bill Robertson



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	288	266	276	315	281	312	374	305	310				303	94%
Violations	15	13	23	26	12	13	30	19	10				18	6%
Total:	303	279	299	341	293	325	404	324	320				321	100%
Violations														
Uncontrollable Non-Issued	4	9	14	10	8	12	18	12	7				10	54%
Controllable Non-Issued	2	0	2	3	0	1	4	1	0				2	11%
Citations	9	4	7	13	4	0	8	6	3				7	35%
Total:	15	13	23	26	12	13	30	19	10				19	65%
Non-Violations														
Emergency Vehicle Non-Issuable	1	1	1	3	0	2	0	0	1				2	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	95	64	76	91	75	70	56	47	78				72	24%
Rear Axle Activation	1	3	5	1	0	1	1	0	0				2	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	191	198	194	220	206	239	317	258	231				228	75%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	288	266	276	315	281	312	374	305	310				304	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	0	0	1	0	0	0	1	0	0				1	6%
Conditions Beyond Control	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%
Driver Obstructed	0	2	2	0	2	2	0	1	0				2	10%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	0	3	1	5	4	2	9	5	5				4	24%
Glare on Windshield	0	0	0	0	0	0	1	0	0				1	6%
Illegible Plate	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%
Image Quality- PD	0	0	0	0	0	1	0	0	0				1	6%
Issuance Criteria Not Met- PD	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%
No Plate	1	2	4	3	2	3	6	4	2				3	17%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	0	0	2	1	0	1	1	1	0				1	7%
Out of State	0	0	0	0	0	0	0	1	0				1	6%
Plate Obstructed	3	2	3	1	0	3	0	0	0				2	14%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	1	0	0	0	0	0	0				1	6%
Total:	4	9	14	10	8	12	18	12	7				18	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	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%
Data Box Data Error- PD	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%
Emergency Vehicle Issue	0	0	0	0	0	0	1	0	0				1	23%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	1	0	0	3	0	1	3	1	0				2	42%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	1	0	2	0	0	0	0	0	0				2	35%
Total:	2	0	2	3	0	1	4	1	0				4	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	17	15	16	16	15	16	16	14	16				16	
Average Issued Red Seconds	20.0	0.4	0.8	0.6	329.8	0.3	20.5	5.6	34.1				45.8	
Citation / Violation Issuance Rate	60%	31%	30%	50%	33%	0%	27%	32%	30%				37%	
Controllable Issuance Rate	82%	100%	78%	81%	100%	0%	67%	86%	100%				87%	



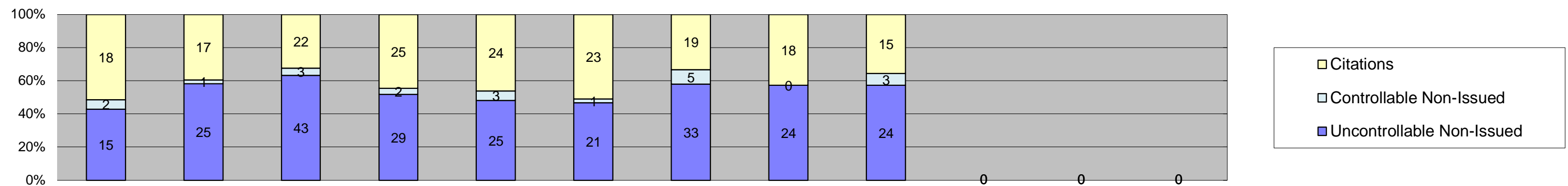
Los Angeles County MTA Expo Line
Approach Summary Report
Location 5087: EB to NB Exposition @ Vermont



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	831	865	913	932	900	927	968	1,063	846				916	88%
Violations	154	115	118	118	112	120	106	154	133				126	12%
Total:	985	980	1,031	1,050	1,012	1,047	1,074	1,217	979				1,042	100%
Violations														
Uncontrollable Non-Issued	135	84	91	90	88	86	80	113	108				97	77%
Controllable Non-Issued	5	5	3	0	3	7	6	7	2				5	4%
Citations	14	26	24	28	21	27	20	34	23				24	19%
Total:	154	115	118	118	112	120	106	154	133				126	81%
Non-Violations														
Emergency Vehicle Non-Issuable	2	0	4	2	2	4	0	3	1				3	0%
Emergency Vehicle PD	0	0	0	0	0	0	0	1	0				1	0%
Intersection Control in Progress-PD	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%
No Violation Occurred	688	703	751	768	749	755	791	893	690				754	82%
Rear Axle Activation	3	10	8	13	4	4	5	15	15				9	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	138	152	150	149	145	164	172	151	140				151	16%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	831	865	913	932	900	927	968	1,063	846				918	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	2	0	1	2	0	0	0	0	0				2	2%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	18	4	3	5	3	6	4	5	3				6	5%
Driver Obstructed	0	0	5	3	4	3	1	4	2				3	3%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	46	48	43	51	54	40	35	50	53				47	45%
Glare on Windshield	30	12	7	14	5	9	12	25	19				15	14%
Illegible Plate	0	0	1	0	0	0	2	0	0				2	1%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0				0	0%
Image Quality- PD	10	2	1	3	3	6	2	3	0				4	4%
Issuance Criteria Not Met- PD	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%
No Plate	22	15	25	12	15	18	20	23	29				20	19%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	3	0	0	0	0	2	1	2	1				2	2%
Out of State	2	0	2	0	0	2	1	1	1				2	1%
Plate Obstructed	2	3	2	0	4	0	2	0	0				3	3%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	1	0	0	0	0	0	0				1	1%
Total:	135	84	91	90	88	86	80	113	108				104	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	1	0	0	0	0	1	1	3	0				2	17%
Data Box Related- PD	0	0	0	0	0	0	0	0	0				0	0%
Data Box Data Error- PD	0	0	0	0	0	1	0	0	0				1	11%
Data Entry Error	0	2	2	0	0	2	3	2	0				2	25%
Emergency Vehicle Issue	0	1	0	0	0	2	1	0	1				1	14%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	2	2	1	0	2	1	0	2	1				2	18%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	2	0	0	0	1	0	1	0	0				1	15%
Total:	5	5	3	0	3	7	6	7	2				9	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	19	20	20	20	20	20	20	20	20				20	
Average Issued Red Seconds	0.9	0.5	0.4	0.5	0.5	0.6	1.1	1.1	0.8				0.7	
Citation / Violation Issuance Rate	9%	23%	20%	24%	19%	23%	19%	22%	17%				19%	
Controllable Issuance Rate	74%	84%	89%	100%	88%	79%	77%	83%	92%				85%	



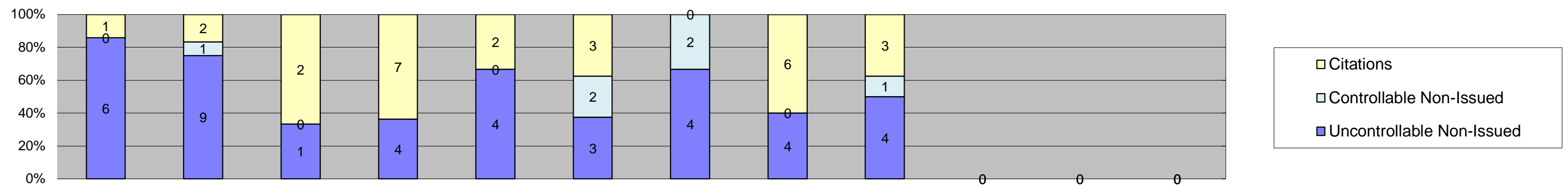
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5089: WB to SB Exposition @ Vermont



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	585	558	629	657	697	729	662	702	681				656	93%
Violations	35	43	68	56	52	45	57	42	42				49	7%
Total:	620	601	697	713	749	774	719	744	723				704	100%
Violations														
Uncontrollable Non-Issued	15	25	43	29	25	21	33	24	24				27	54%
Controllable Non-Issued	2	1	3	2	3	1	5	0	3				3	5%
Citations	18	17	22	25	24	23	19	18	15				20	41%
Total:	35	43	68	56	52	45	57	42	42				49	59%
Non-Violations														
Emergency Vehicle Non-Issuable	0	4	1	1	2	3	2	0	1				2	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	461	433	505	523	560	587	521	578	545				524	80%
Rear Axle Activation	6	4	5	3	1	2	10	5	16				6	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	118	117	118	130	134	137	129	119	119				125	19%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	585	558	629	657	697	729	662	702	681				656	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	0	0	0	0	0	0	0	2	1				2	4%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	3	4	3	4	2	2	1	2	0				3	8%
Driver Obstructed	1	2	3	3	1	4	0	1	2				2	6%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	3	7	9	7	9	4	8	5	10				7	21%
Glare on Windshield	0	0	0	1	1	1	2	1	1				1	3%
Illegible Plate	0	0	0	0	1	0	0	1	0				1	3%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0				0	0%
Image Quality- PD	0	0	1	1	3	3	2	0	1				2	5%
Issuance Criteria Not Met- PD	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%
No Plate	7	6	17	9	7	5	17	10	8				10	29%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	1	3	2	2	0	1	1	0	0				2	5%
Out of State	0	1	1	0	0	0	0	0	0				1	3%
Plate Obstructed	0	2	5	2	1	1	2	2	1				2	6%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	2	0	0	0	0	0	0				2	6%
Total:	15	25	43	29	25	21	33	24	24				33	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0				0	0%
Clarity of Plate	0	0	0	0	1	0	0	0	0				1	13%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	0	0	0	0	0	0	0	1				1	13%
Data Box Related- PD	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%
Data Entry Error	0	0	0	0	0	0	0	0	1				1	13%
Emergency Vehicle Issue	1	0	1	2	0	0	0	0	0				1	17%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	1	0	0	0	0	0	0	0	0				1	13%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	1	1	0	1	1	4	0	1				2	19%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	0	0	1	0	1	0	1	0	0				1	13%
Total:	2	1	3	2	3	1	5	0	3				8	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	18	19	19	20	20	20	20	18	19				19	
Average Issued Red Seconds	41.4	50.0	0.6	0.5	9.0	0.5	13.1	0.3	4.1				13.3	
Citation / Violation Issuance Rate	51%	40%	32%	45%	46%	51%	33%	43%	36%				42%	
Controllable Issuance Rate	90%	94%	88%	93%	89%	96%	79%	100%	83%				90%	



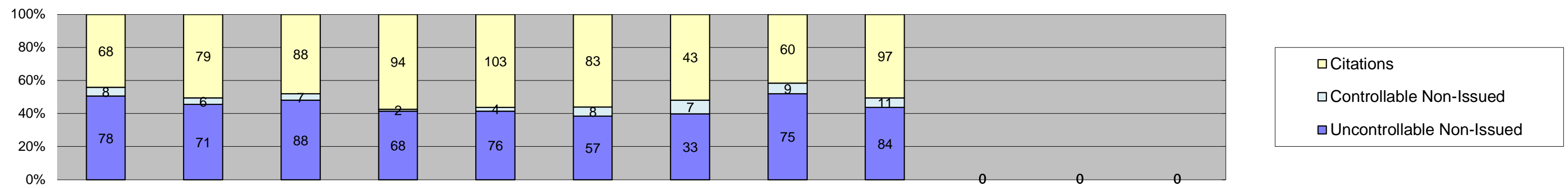
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5097: EB to NB Exposition @ Raymond



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	367	296	325	325	768	324	244	293	282				358	98%
Violations	7	12	3	11	6	8	6	10	8				8	2%
Total:	374	308	328	336	774	332	250	303	290				366	100%
Violations														
Uncontrollable Non-Issued	6	9	1	4	4	3	4	4	4				4	48%
Controllable Non-Issued	0	1	0	0	0	2	2	0	1				2	17%
Citations	1	2	2	7	2	3	0	6	3				3	36%
Total:	7	12	3	11	6	8	6	10	8				9	64%
Non-Violations														
Emergency Vehicle Non-Issuable	2	2	282	1	0	3	0	0	0				58	14%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	318	256	0	276	725	271	221	242	258				321	76%
Rear Axle Activation	0	1	1	1	0	0	1	0	1				1	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	47	37	42	47	43	50	22	51	23				40	10%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	367	296	325	325	768	324	244	293	282				420	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	0	1	0	0	0	0	0	0	0				1	11%
Driver Obstructed	0	0	1	2	0	0	0	0	1				1	15%
Exposed	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%
Glare on Windshield	0	1	0	0	0	0	0	0	0				1	11%
Illegible Plate	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%
Image Quality- PD	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%
No Warning Sign	0	0	0	0	0	0	0	0	0				0	0%
No Plate	5	7	0	2	3	2	2	3	2				3	37%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	1	0	0	0	0	0	0	0	0				1	11%
Out of State	0	0	0	0	1	1	2	1	1				1	14%
Plate Obstructed	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%
Third Party Damage	0	0	0	0	0	0	0	0	0				0	0%
TSB Epired	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%
Total:	6	9	1	4	4	3	4	4	4				9	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	0	0	0	0	0	2	0	0				2	44%
Data Box Related- PD	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%
Data Entry Error	0	1	0	0	0	0	0	0	0				1	22%
Emergency Vehicle Issue	0	0	0	0	0	2	0	0	1				2	33%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	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%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	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%
Total:	0	1	0	0	0	2	2	0	1				5	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	18	16	21	18	14	17	22	17	18				18	
Average Issued Red Seconds	0.8	346.9	0.3	194.9	334.4	156.6	384.9	288.6	256.1				218.2	
Citation / Violation Issuance Rate	14%	17%	67%	64%	33%	38%	0%	60%	38%				41%	
Controllable Issuance Rate	100%	67%	100%	100%	100%	60%	0%	100%	75%				88%	



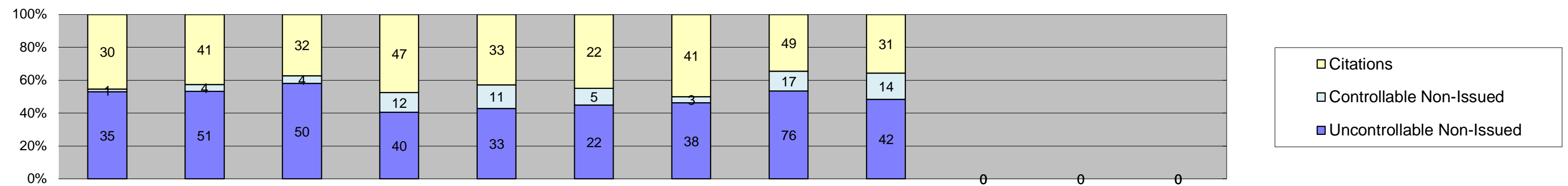
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5107: EB to NB Exposition @ Normandie



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	485	413	482	435	419	475	406	427	361				434	74%
Violations	154	156	183	164	183	148	83	144	192				156	26%
Total:	639	569	665	599	602	623	489	571	553				590	100%
Violations														
Uncontrollable Non-Issued	78	71	88	68	76	57	33	75	84				70	45%
Controllable Non-Issued	8	6	7	2	4	8	7	9	11				7	4%
Citations	68	79	88	94	103	83	43	60	97				79	51%
Total:	154	156	183	164	183	148	83	144	192				156	49%
Non-Violations														
Emergency Vehicle Non-Issuable	5	1	5	2	0	3	7	5	6				4	1%
Emergency Vehicle PD	0	0	0	0	3	0	0	0	0				3	1%
Intersection Control in Progress-PD	0	0	0	1	0	0	0	0	0				1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	336	294	329	299	286	328	258	269	221				291	66%
Rear Axle Activation	6	3	2	3	2	7	7	21	15				7	2%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	137	115	146	130	128	137	134	132	118				131	30%
Train Activation	0	0	0	0	0	0	0	0	1				1	0%
Amber Time Low	0	0	0	0	0	0	0	0	0				0	0%
Vehicle Stopped- PD	1	0	0	0	0	0	0	0	0				1	0%
Total:	485	413	482	435	419	475	406	427	361				438	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	2	0	1	2	3	0	0	2	1				2	2%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	6	8	5	0	0	0	2	2	3				4	5%
Driver Obstructed	0	1	3	2	4	5	1	6	5				3	4%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	35	23	22	24	25	11	9	12	23				20	26%
Glare on Windshield	2	2	1	1	1	0	1	7	5				3	3%
Illegible Plate	0	0	0	0	0	0	1	1	0				1	1%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0				0	0%
Image Quality- PD	3	0	1	3	3	5	1	2	0				3	3%
Issuance Criteria Not Met- PD	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%
No Plate	21	22	31	31	31	27	16	36	40				28	36%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	4	7	5	4	5	4	1	0	1				4	5%
Out of State	0	2	4	0	0	2	1	2	3				2	3%
Plate Obstructed	5	6	6	1	4	3	0	5	2				4	5%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	9	0	0	0	0	0	1				5	6%
Total:	78	71	88	68	76	57	33	75	84				80	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	5	0	2	1	0	1	1	0	3				2	18%
Data Box Related- PD	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%
Data Entry Error	0	0	2	0	0	0	1	2	4				2	19%
Emergency Vehicle Issue	0	1	0	0	0	1	1	2	0				1	10%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	1	0	0	0	0	0	0	1	0				1	8%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	1	4	1	1	3	5	4	4	4				3	25%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	0	0	0	0	0	0	0	0	0				0	0%
Framing of Plate	1	0	0	0	0	0	0	0	0				1	8%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	0	1	2	0	1	1	0	0	0				1	10%
Total:	8	6	7	2	4	8	7	9	11				12	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	20	21	20	21	20	21	21	20	19				20	
Average Issued Red Seconds	0.5	0.4	1.3	2.1	1.0	0.5	2.7	0.5	1.6				1.2	
Citation / Violation Issuance Rate	44%	51%	48%	57%	56%	56%	52%	42%	51%				51%	
Controllable Issuance Rate	89%	93%	93%	98%	96%	91%	86%	87%	90%				91%	



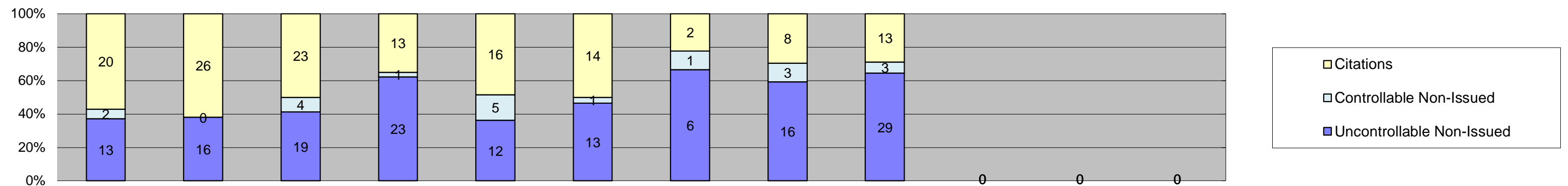
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5109: WB to SB Exposition @ Normandie



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	803	705	803	791	832	802	777	922	789				803	90%
Violations	66	96	86	99	77	49	82	142	87				87	10%
Total:	869	801	889	890	909	851	859	1,064	876				890	100%
Violations														
Uncontrollable Non-Issued	35	51	50	40	33	22	38	76	42				43	49%
Controllable Non-Issued	1	4	4	12	11	5	3	17	14				8	9%
Citations	30	41	32	47	33	22	41	49	31				36	42%
Total:	66	96	86	99	77	49	82	142	87				87	58%
Non-Violations														
Emergency Vehicle Non-Issuable	0	2	2	1	0	3	2	4	3				2	0%
Emergency Vehicle PD	0	0	0	0	0	1	0	1	0				1	0%
Intersection Control in Progress-PD	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%
No Violation Occurred	603	503	598	609	641	597	594	700	552				600	75%
Rear Axle Activation	12	8	6	7	3	8	7	18	20				10	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	188	192	197	174	188	193	174	199	208				190	24%
Train Activation	0	0	0	0	0	0	0	0	6				0	0%
Amber Time Low	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%
Total:	803	705	803	791	832	802	777	922	789				803	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	0	2	2	1	1	0	0	7	2				3	5%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	1	4	1	2	0	1	3	2	0				2	4%
Driver Obstructed	1	2	3	3	0	1	4	7	2				3	6%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	12	16	12	12	14	8	11	18	11				13	25%
Glare on Windshield	0	0	1	0	0	2	4	6	1				3	5%
Illegible Plate	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%
Image Quality- PD	1	0	0	0	0	0	0	2	0				2	3%
Issuance Criteria Not Met- PD	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%
No Plate	12	18	21	19	13	8	11	19	18				15	30%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	3	4	1	0	0	1	1	5	0				3	5%
Out of State	1	1	3	0	1	0	3	8	2				3	5%
Plate Obstructed	4	3	4	3	4	1	1	2	4				3	6%
Short Yellow- PD	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%
TSB Expired	0	1	0	0	0	0	0	0	2				2	3%
TSB No Hit	0	0	2	0	0	0	0	0	0				2	4%
Total:	35	51	50	40	33	22	38	76	42				51	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	1	0	2	0	0	0	1	2				2	11%
Data Box Related- PD	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%
Data Entry Error	0	1	1	1	1	0	0	2	1				1	8%
Emergency Vehicle Issue	0	2	1	1	1	0	0	0	0				1	9%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	1	0	2	8	9	5	3	11	10				6	44%
Framing of Driver	0	0	0	0	0	0	0	3	0				3	21%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	1				1	7%
Speed Not Determined	0	0	0	0	0	0	0	0	0				0	0%
Total:	1	4	4	12	11	5	3	17	14				14	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	20	22	22	21	21	22	21	19	20				21	
Average Issued Red Seconds	5.5	0.5	0.4	2.3	0.5	0.6	2.0	0.6	1.2				1.5	
Citation / Violation Issuance Rate	45%	43%	37%	47%	43%	45%	50%	35%	36%				42%	
Controllable Issuance Rate	97%	91%	89%	80%	75%	81%	93%	74%	69%				83%	



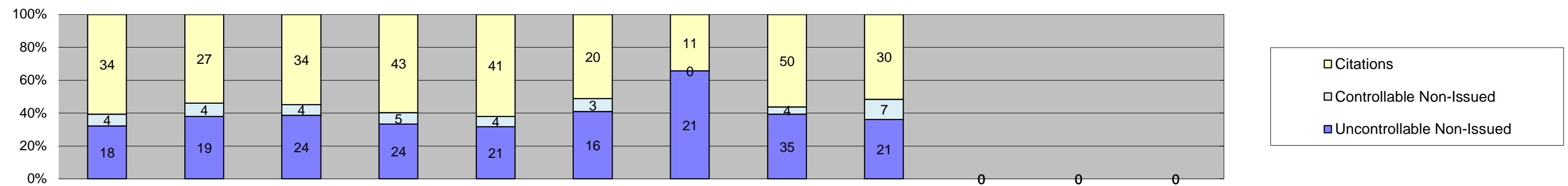
Los Angeles County MTA Expo Line
Approach Summary Report
Location 5117: EB to NB Exposition @ Halldale



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	616	585	642	537	642	541	457	485	408				546	94%
Violations	35	42	46	37	33	28	9	27	45				34	6%
Total:	651	627	688	574	675	569	466	512	453				579	100%
Violations														
Uncontrollable Non-Issued	13	16	19	23	12	13	6	16	29				16	48%
Controllable Non-Issued	2	0	4	1	5	1	1	3	3				3	7%
Citations	20	26	23	13	16	14	2	8	13				15	44%
Total:	35	42	46	37	33	28	9	27	45				34	56%
Non-Violations														
Emergency Vehicle Non-Issuable	2	1	0	2	3	1	1	0	5				2	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	487	456	499	402	494	403	334	352	271				411	75%
Rear Axle Activation	0	3	2	0	1	0	1	0	1				2	0%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	127	124	141	133	144	137	121	133	123				131	24%
Train Activation	0	0	0	0	0	0	0	0	8				0	0%
Amber Time Low	0	0	0	0	0	0	0	0	0				0	0%
Vehicle Stopped- PD	0	1	0	0	0	0	0	0	0				1	0%
Total:	616	585	642	537	642	541	457	485	408				547	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	1	3	5	3	0	1	0	1	6				3	11%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	1	3	0	0	0	0	0	0	0				2	7%
Driver Obstructed	0	0	0	2	1	1	0	1	1				1	4%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	1	1	0	3	1	2	0	1	4				2	7%
Glare on Windshield	0	0	0	1	0	1	0	1	0				1	4%
Illegible Plate	1	1	0	0	0	0	0	1	0				1	4%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0				0	0%
Image Quality- PD	0	0	0	1	0	0	0	0	0				1	4%
Issuance Criteria Not Met- PD	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%
No Plate	6	4	9	6	3	4	5	7	10				6	22%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	2	2	1	4	1	1	0	1	1				2	6%
Out of State	0	1	0	0	0	1	1	0	1				1	4%
Plate Obstructed	1	1	1	3	6	2	0	2	3				2	9%
Short Yellow- PD	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%
TSB Expired	0	0	0	0	0	0	0	1	3				2	7%
TSB No Hit	0	0	3	0	0	0	0	0	0				3	11%
Total:	13	16	19	23	12	13	6	16	29				27	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0				0	0%
Clarity of Plate	0	0	0	0	1	0	0	0	0				1	16%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	1	0	1	1	2	0	1	1	2				1	20%
Data Box Related- PD	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%
Data Entry Error	0	0	1	0	1	0	0	1	0				1	16%
Emergency Vehicle Issue	1	0	1	0	1	0	0	1	1				1	16%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	1	0	0	0				1	16%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	0	1	0	0	0	0	0	0				1	16%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	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%
Total:	2	0	4	1	5	1	1	3	3				6	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	16	17	18	17	17	16	17	17	17				17	
Average Issued Red Seconds	64.8	15.4	28.3	154.4	101.9	47.5	115.4	16.2	47.1				65.7	
Citation / Violation Issuance Rate	57%	62%	50%	35%	48%	50%	22%	30%	29%				43%	
Controllable Issuance Rate	91%	100%	85%	93%	76%	93%	67%	73%	81%				84%	



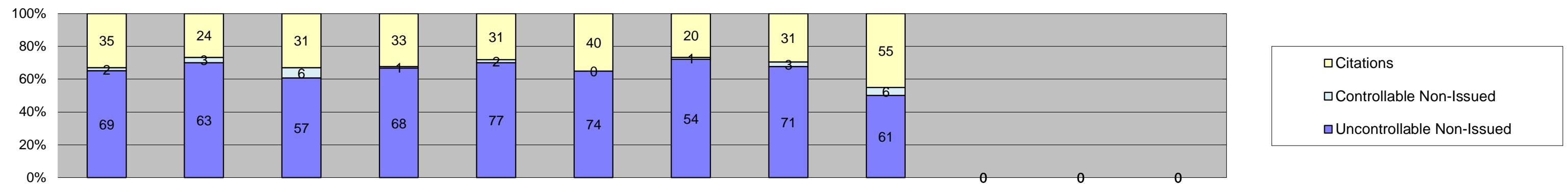
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5119: WB to SB Exposition @ Denker



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	372	347	399	404	396	407	376	382	356				382	87%
Violations	56	50	62	72	66	39	32	89	58				58	13%
Total:	428	397	461	476	462	446	408	471	414				440	100%
Violations														
Uncontrollable Non-Issued	18	19	24	24	21	16	21	35	21				22	38%
Controllable Non-Issued	4	4	4	5	4	3	0	4	7				4	7%
Citations	34	27	34	43	41	20	11	50	30				32	55%
Total:	56	50	62	72	66	39	32	89	58				59	45%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	0	3	5	1	2	1	0				2	1%
Emergency Vehicle PD	0	0	0	0	0	0	1	0	0				1	0%
Intersection Control in Progress- PD	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%
No Violation Occurred	217	207	242	251	230	235	229	231	198				227	59%
Rear Axle Activation	12	12	13	18	9	8	8	13	13				12	3%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	142	128	144	132	152	163	136	137	139				141	37%
Train Activation	0	0	0	0	0	0	0	0	6				0	0%
Amber Time Low	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%
Total:	372	347	399	404	396	407	376	382	356				383	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	0	0	0	2	0	0	0	1	0				2	5%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	2	0	1	0	1	0	0	0	0				1	5%
Driver Obstructed	1	0	0	0	0	0	0	1	0				1	3%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	2	7	5	12	6	6	6	9	10				7	24%
Glare on Windshield	0	0	0	0	0	0	0	0	0				0	0%
Illegible Plate	1	0	0	1	0	0	1	1	0				1	3%
Interest of Justice- PD	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%
Issuance Criteria Not Met- PD	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%
No Plate	9	8	14	8	13	10	12	17	10				11	38%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	1	3	2	0	0	0	0	1	0				2	6%
Out of State	0	0	0	0	0	0	2	0	0				2	7%
Plate Obstructed	2	1	1	1	1	0	0	5	1				2	6%
Short Yellow- PD	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%
TSB Epired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	1	0	0	0	0	0	0				1	3%
Total:	18	19	24	24	21	16	21	35	21				30	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	1	2	2	1	1	0	0	1	1				1	16%
Data Box Related- PD	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%
Data Entry Error	0	0	0	0	0	0	0	1	0				1	12%
Emergency Vehicle Issue	2	2	1	3	0	2	0	2	5				2	30%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	0	0	1	1	1	0	0	0				1	12%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	1				1	12%
Speed Not Determined	1	0	1	0	2	0	0	0	0				1	17%
Total:	4	4	4	5	4	3	0	4	7				8	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	18	17	17	18	19	18	18	17	17				18	
Average Issued Red Seconds	2.7	11.5	7.6	5.4	16.0	28.3	38.1	14.5	6.2				14.5	
Citation / Violation Issuance Rate	61%	54%	55%	60%	62%	51%	34%	56%	52%				54%	
Controllable Issuance Rate	89%	87%	89%	90%	91%	87%	100%	93%	81%				90%	



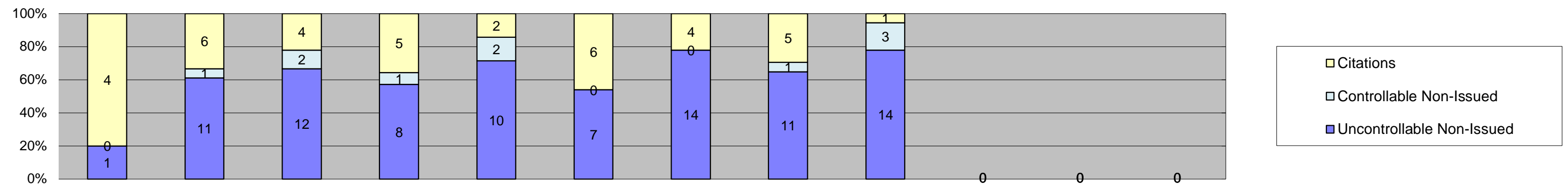
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5127: EB to NB Exposition @ Western



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date	
													Quantity	Monthly Average %
Non-Violations	450	402	462	407	401	404	377	422	400				414	80%
Violations	106	90	94	102	110	114	75	105	122				102	20%
Total:	556	492	556	509	511	518	452	527	522				516	100%
Violations														
Uncontrollable Non-Issued	69	63	57	68	77	74	54	71	61				66	64%
Controllable Non-Issued	2	3	6	1	2	0	1	3	6				3	3%
Citations	35	24	31	33	31	40	20	31	55				33	33%
Total:	106	90	94	102	110	114	75	105	122				102	67%
Non-Violations														
Emergency Vehicle Non-Issuable	2	1	1	0	5	3	2	1	2				2	1%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	285	249	305	260	249	265	250	257	197				257	62%
Rear Axle Activation	19	14	13	21	13	12	7	19	36				17	4%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	144	138	143	126	134	124	118	145	146				135	33%
Train Activation	0	0	0	0	0	0	0	0	19				0	0%
Amber Time Low	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%
Total:	450	402	462	407	401	404	377	422	400				412	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	1	0				1	1%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	0	0	0				0	0%
Car Obstructed	1	0	0	0	1	1	0	0	2				1	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0				0	0%
Driver Identity Unclear	4	4	0	0	1	0	0	0	3				3	4%
Driver Obstructed	0	2	0	0	0	3	0	0	2				2	3%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	39	34	24	41	48	41	32	32	13				34	40%
Glare on Windshield	0	1	0	2	0	0	0	0	0				2	2%
Illegible Plate	0	0	0	0	1	0	1	2	0				1	2%
Interest of Justice- PD	0	1	0	0	0	0	0	0	0				1	1%
Image Quality- PD	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%
No Warning Sign	0	0	0	0	0	0	0	0	0				0	0%
No Plate	16	19	24	19	23	24	20	30	27				22	27%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	1	0	0	1	1	1	0	3	2				2	2%
Out of State	2	0	1	0	1	1	0	1	1				1	1%
Plate Obstructed	6	2	5	5	1	3	1	2	4				3	4%
Short Yellow- PD	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%
TSB Expired	0	0	0	0	0	0	0	0	7				7	8%
TSB No Hit	0	0	3	0	0	0	0	0	0				3	4%
Total:	69	63	57	68	77	74	54	71	61				84	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	1	0	0	1	0	0	0	3				2	21%
Data Box Related- PD	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%
Data Entry Error	1	2	5	0	0	0	2	1	1				2	28%
Emergency Vehicle Issue	0	0	0	0	0	0	0	1	1				1	13%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	1				1	13%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	0	0	1	1	0	1	0	0				1	13%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	0	0	0	0	0	0	0	0	0				0	0%
Speed Not Determined	1	0	1	0	0	0	0	0	0				1	13%
Total:	2	3	6	1	2	0	1	3	6				8	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	19	20	19	20	20	19	20	19	19				19	
Average Issued Red Seconds	0.6	0.3	0.4	0.3	0.3	0.3	0.5	0.4	2.8				0.7	
Citation / Violation Issuance Rate	33%	27%	33%	32%	28%	35%	27%	30%	45%				32%	
Controllable Issuance Rate	95%	89%	84%	97%	94%	100%	95%	91%	90%				93%	



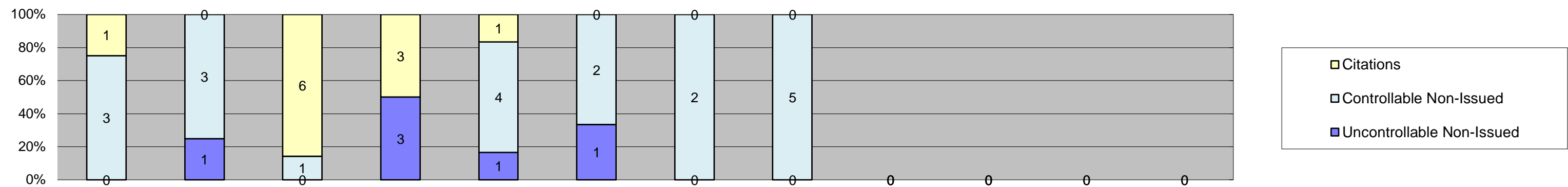
Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5129: WB to SB Exposition @ Western



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
	Quantity												Quantity	%
Non-Violations	674	690	677	661	692	610	529	591	563				632	98%
Violations	5	18	18	14	14	13	18	17	18				15	2%
Total:	679	708	695	675	706	623	547	608	581				647	100%
Violations														
Uncontrollable Non-Issued	1	11	12	8	10	7	14	11	14				10	63%
Controllable Non-Issued	0	1	2	1	2	0	0	1	3				2	11%
Citations	4	6	4	5	2	6	4	5	1				4	26%
Total:	5	18	18	14	14	13	18	17	18				16	74%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	4	0	1	2	1	0	1				2	0%
Emergency Vehicle PD	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%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0				0	0%
No Violation Occurred	499	540	516	509	517	454	380	423	402				471	74%
Rear Axle Activation	18	5	9	10	7	11	11	18	16				12	2%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0				0	0%
Test Shot	156	145	148	142	167	143	137	150	134				147	23%
Train Activation	0	0	0	0	0	0	0	0	10				0	0%
Amber Time Low	0	0	0	0	0	0	0	0	0				0	0%
Vehicle Stopped- PD	1	0	0	0	0	0	0	0	0				1	0%
Total:	674	690	677	661	692	610	529	591	563				632	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	0	1	0	0	0	0	0	0	0				1	6%
Driver Obstructed	0	1	0	0	0	0	0	0	0				1	6%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Glare on Plate	0	1	7	5	6	5	1	1	5				4	23%
Glare on Windshield	0	0	0	0	0	0	0	0	0				0	0%
Illegible Plate	0	0	0	0	0	0	2	0	0				2	12%
Interest of Justice- PD	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%
Issuance Criteria Not Met- PD	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%
No Plate	1	8	2	2	4	2	10	10	8				5	31%
No Speed Captured	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%
Out of State	0	0	1	0	0	0	1	0	0				1	6%
Plate Obstructed	0	0	0	1	0	0	0	0	1				1	6%
Short Yellow- PD	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%
TSB Expired	0	0	0	0	0	0	0	0	0				0	0%
TSB No Hit	0	0	2	0	0	0	0	0	0				2	12%
Total:	1	11	12	8	10	7	14	11	14				17	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	0	0	1	0	0	0	0	0	0				1	30%
Data Box Related- PD	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%
Data Entry Error	0	1	1	1	1	0	0	1	3				1	40%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0				0	0%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	0	0	0	0				0	0%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	0	0	0	1	0	0	0	0				1	30%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	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%
Total:	0	1	2	1	2	0	0	1	3				3	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	19	23	21	19	16	17	21	20	17				19	
Average Issued Red Seconds	0.4	109.5	0.7	18.4	0.2	0.7	0.4	0.6	0.7				14.6	
Citation / Violation Issuance Rate	80%	33%	22%	36%	14%	46%	22%	29%	6%				32%	
Controllable Issuance Rate	100%	86%	67%	83%	50%	100%	100%	83%	25%				77%	



Los Angeles County MTA Expo Line
 Approach Summary Report
 Location 5137: EB to SB Exposition @ Crenshaw



Events	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Year to Date Monthly Average	
													Quantity	%
Non-Violations	482	390	479	434	403	253	177	248	37				323	99%
Violations	4	4	7	6	6	3	2	5	0				5	1%
Total:	486	394	486	440	409	256	179	253	37				327	100%
Violations														
Uncontrollable Non-Issued	0	1	0	3	1	1	0	0	0				2	21%
Controllable Non-Issued	3	3	1	0	4	2	2	5	0				3	40%
Citations	1	0	6	3	1	0	0	0	0				3	39%
Total:	4	4	7	6	6	3	2	5	0				7	61%
Non-Violations														
Emergency Vehicle Non-Issuable	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%
Intersection Control in Progress-PD	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%
No Violation Occurred	460	377	460	411	379	236	164	227	31				305	95%
Rear Axle Activation	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%
Test Shot	22	13	19	23	24	17	13	21	6				18	5%
Train Activation	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%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0				0	0%
Total:	482	390	479	434	403	253	177	248	37				323	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	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%
Car Obstructed	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%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0				0	0%
Driver Obstructed	0	0	0	0	0	0	0	0	0				0	0%
Exposed	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%
Glare on Windshield	0	0	0	0	0	0	0	0	0				0	0%
Illegible Plate	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%
Image Quality- PD	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%
No Warning Sign	0	0	0	0	0	0	0	0	0				0	0%
No Plate	0	0	0	1	0	1	0	0	0				1	25%
No Speed Captured	0	0	0	0	0	0	0	0	0				0	0%
Obstruction In Photo- PD	0	0	0	1	0	0	0	0	0				1	25%
Out of State	0	1	0	1	0	0	0	0	0				1	25%
Plate Obstructed	0	0	0	0	1	0	0	0	0				1	25%
Short Yellow- PD	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%
TSB Expired	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%
Total:	0	1	0	3	1	1	0	0	0				4	100%
Controllable Non-Issued Violations														
Conduent Expire	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%
Clarity of Driver	0	0	0	0	0	0	0	0	0				0	0%
Dark Interior	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%
Data Box Data Error- PD	0	0	0	0	2	0	0	0	0				2	26%
Data Entry Error	3	3	0	0	2	0	1	2	0				2	29%
Emergency Vehicle Issue	0	0	0	0	0	0	0	0	0				0	0%
Exposed	0	0	0	0	0	0	0	0	0				0	0%
Equipment Malfunction	0	0	0	0	0	2	0	3	0				3	32%
Framing- PD	0	0	0	0	0	0	0	0	0				0	0%
Framing of Car	0	0	1	0	0	0	1	0	0				1	13%
Framing of Driver	0	0	0	0	0	0	0	0	0				0	0%
Operator Error	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%
Reject Expired	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%
Total:	3	3	1	0	4	2	2	5	0				8	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0				0	
Average Issued Speed	20	0	24	21	15	0	0	14	0				19	
Average Issued Red Seconds	47.6	0.0	9.9	36.7	5.9	0.0	0.0	0.2	0.0				20.1	
Citation / Violation Issuance Rate	25%	0%	86%	50%	17%	0%	0%	0%	0%				44%	
Controllable Issuance Rate	25%	0%	86%	100%	20%	0%	0%	0%	0%				58%	