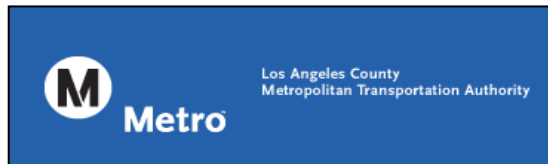




Orange Line Monthly Report



January - December 2018



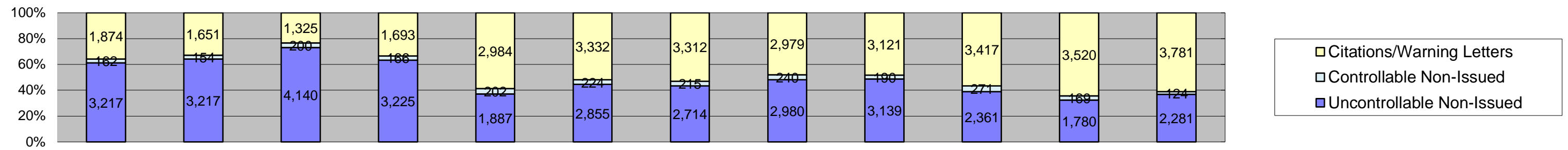


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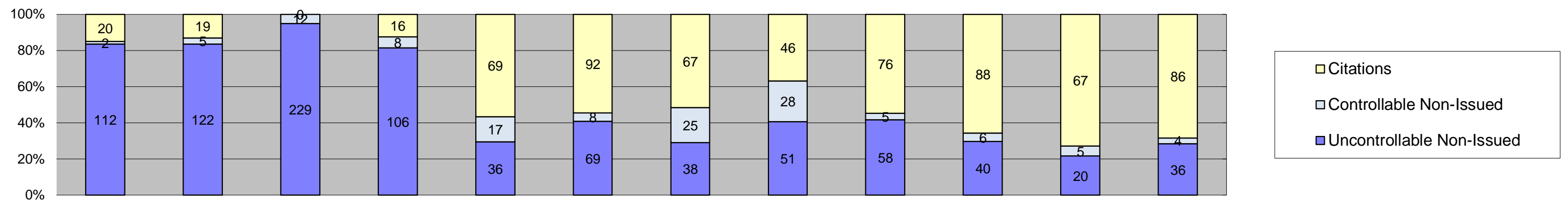
Los Angeles County MTA Orange Line
Approach Summary Report
All Locations



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	9,116	8,024	9,328	9,458	9,086	9,190	9,232	9,783	9,640	10,326	9,158	9,538	9,323	62%
Violations	5,253	5,022	5,665	5,052	5,073	6,411	6,241	6,199	6,450	6,049	5,469	6,186	5,756	38%
Total:	14,369	13,046	14,993	14,510	14,159	15,601	15,473	15,982	16,090	16,375	14,627	15,724	15,079	100%
Violations														
Uncontrollable Non-Issued	3,217	3,217	4,140	3,225	1,887	2,855	2,714	2,980	3,139	2,361	1,780	2,281	2,816	49%
Controllable Non-Issued	162	154	200	166	202	224	215	240	190	271	169	124	193	3%
Citations/Warning Letters	1,874	1,651	1,325	1,693	2,984	3,332	3,312	2,979	3,121	3,417	3,520	3,781	2,749	48%
Total:	5,253	5,022	5,665	5,084	5,073	6,411	6,241	6,199	6,450	6,049	5,469	6,186	5,759	100%
Non-Violations														
Emergency Vehicle Non-Issuable	225	164	221	206	190	196	170	135	191	193	214	190	191	2%
Emergency Vehicle PD	1	4	4	2	1	6	6	4	1	1	5	1	3	0%
Intersection Control in Progress-PD	2	1	4	0	0	0	0	0	0	11	0	2	4	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	5,499	4,895	5,631	5,984	5,415	5,717	5,684	6,181	6,160	6,801	5,603	6,000	5,798	62%
Rear Axle Activation	34	43	44	41	59	45	1	2	0	7	11	7	27	0%
Right Turn- No Violation	32	29	40	24	49	45	19	33	40	78	79	78	46	0%
Test Shot	3,316	2,878	3,359	3,187	3,364	3,179	3,341	3,421	3,241	3,234	3,242	3,255	3,251	35%
Train Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Amber Time Low	0	1	0	0	1	0	0	0	1	1	1	0	1	0%
Vehicle Stopped- PD	7	9	25	14	7	2	11	7	6	0	3	5	9	0%
Total:	9,116	8,024	9,328	9,458	9,086	9,190	9,232	9,783	9,640	10,326	9,158	9,538	9,329	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	2	0	1	0	0	1	0	1	0	0	1	0%
Address/CDL/DOB Match Fail	0	0	0	0	1	1	2	0	0	0	0	0	1	0%
Car Obstructed	34	23	24	43	40	41	55	95	82	75	62	69	54	2%
Conditions Beyond Control	34	58	90	82	0	0	0	0	0	0	0	0	66	2%
Driver Identity Unclear	101	110	67	31	22	55	50	50	95	75	31	38	60	2%
Driver Obstructed	73	65	63	87	70	85	70	88	84	88	62	82	76	2%
Exposed	0	0	0	0	0	0	1	0	1	0	0	0	1	0%
Emergency Vehicle Issue	3	0	4	1	4	4	9	4	8	3	5	4	4	0%
Glare on Plate	122	104	35	33	30	35	45	53	123	112	68	84	70	2%
Glare on Windshield	32	70	107	79	160	142	144	92	139	84	49	24	94	3%
Illegible Plate	0	3	7	2	4	1	0	6	8	5	2	3	4	0%
Interest of Justice- PD	5	5	1	0	0	0	0	0	0	0	0	2	3	0%
Image Quality- PD	18	25	11	17	21	23	27	7	6	2	7	4	14	0%
Issuance Criteria Not Met- PD	1,303	1,371	1,930	1,360	2	0	0	0	1	8	2	0	747	23%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	925	919	981	959	1,137	1,179	1,172	1,217	1,132	1,200	1,077	1,035	1,078	34%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	1	1	0%
Obstruction In Photo- PD	235	311	268	246	198	259	213	182	209	161	180	214	223	7%
Out of State	121	106	126	108	133	147	142	170	160	137	118	161	136	4%
Plate Obstructed	45	45	55	46	64	60	44	49	61	68	64	68	56	2%
Short Yellow- PD	0	1	0	0	0	0	0	0	0	0	0	1	1	0%
Third Party Damage	0	1	0	3	0	0	0	0	0	0	4	4	3	0%
TSB Expired	2	0	1	0	0	1	6	75	226	227	15	7	62	2%
TSB No Hit	164	0	368	128	0	822	734	891	804	115	34	480	454	14%
Total:	3,217	3,217	4,140	3,225	1,887	2,855	2,714	2,980	3,139	2,361	1,780	2,281	3,210	100%
Controllable Non-Issued Violations														
Conduent Expire	38	0	0	0	1	0	0	3	1	0	3	0	9	4%
Clarity of Plate	0	0	0	1	9	15	12	4	1	15	14	0	9	4%
Clarity of Driver	0	2	1	1	11	8	0	1	0	2	0	0	4	2%
Dark Interior	13	12	14	15	20	21	16	17	14	8	10	10	14	7%
Data Box Related- PD	1	0	0	0	0	1	0	0	0	0	0	0	1	0%
Data Box Data Error- PD	1	1	0	0	0	0	0	0	0	0	0	1	1	0%
Data Entry Error	73	107	138	121	115	134	119	153	78	103	32	7	98	46%
Exposed	0	0	0	0	10	5	0	14	8	17	10	0	11	5%
Equipment Malfunction	4	8	25	3	10	3	34	29	74	107	80	86	39	18%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	21	18	14	23	21	30	30	16	12	14	15	13	19	9%
Framing of Driver	1	0	1	0	1	0	1	0	0	0	1	2	1	1%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	2	2	3	0	1	2	2	3	2	5	4	5	3	1%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	8	4	4	2	3	5	1	0	0	0	0	0	4	2%
Total:	162	154	200	166	202	224	215	240	190	271	169	124	212	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	23	23	23	23	23	23	23	23	23	23	23	22	23	
Average Issued Red Seconds	11.5	10.1	9.6	11.4	10.7	10.9	10.2	10.1	10.4	9.8	10.1	10.1	10.4	
Citation / Violation Issuance Rate	36%	33%	23%	33%	59%	52%	53%	48%	48%	56%	64%	61%	47%	
Controllable Issuance Rate	92%	91%	87%	91%	94%	94%	94%	93%	94%	93%	95%	97%	93%	



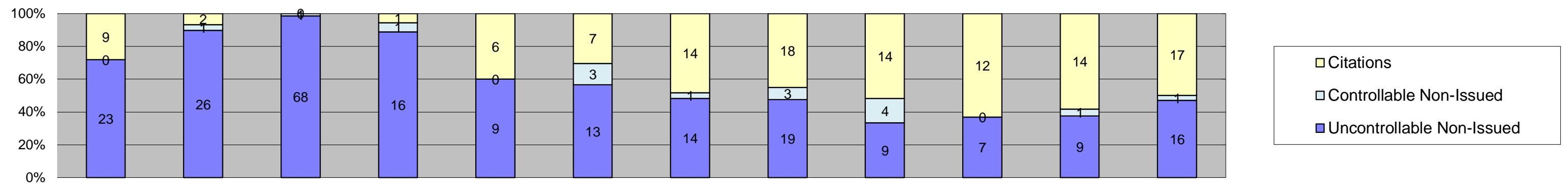
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1301: NB Tujunga Ave @ Busway



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	233	187	227	234	246	213	183	207	225	209	227	233	219	61%
Violations	134	146	241	130	122	169	130	125	139	134	92	126	141	39%
Total:	367	333	468	364	368	382	313	332	364	343	319	359	359	100%
Violations														
Uncontrollable Non-Issued	112	122	229	106	36	69	38	51	58	40	20	36	76	52%
Controllable Non-Issued	2	5	12	8	17	8	25	28	5	6	5	4	10	7%
Citations	20	19	0	16	69	92	67	46	76	88	67	86	59	40%
Total:	134	146	241	130	122	169	130	125	139	134	92	126	146	100%
Non-Violations														
Emergency Vehicle Non-Issuable	93	66	83	83	58	75	45	39	58	64	77	86	69	31%
Emergency Vehicle PD	0	0	0	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	0	0	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	19	17	19	20	11	16	8	18	12	10	15	16	15	7%
Rear Axle Activation	0	0	0	4	1	4	0	0	0	0	0	0	3	1%
Right Turn- No Violation	0	0	0	0	0	1	0	1	2	0	1	0	1	1%
Test Shot	121	104	125	127	176	117	130	149	153	135	133	131	133	60%
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:	233	187	227	234	246	213	183	207	225	209	227	233	223	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	3	0	0	0	0	0	1	1	0	0	2	1%
Conditions Beyond Control	1	4	8	1	0	0	0	0	0	0	0	0	4	2%
Driver Identity Unclear	0	0	0	0	1	0	1	2	3	2	0	0	2	1%
Driver Obstructed	3	1	2	1	2	1	0	2	0	1	0	1	2	1%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	1	0	0	0	0	2	0	0	0	1	0	0	1	1%
Glare on Plate	0	0	0	0	0	0	0	0	0	1	1	0	1	1%
Glare on Windshield	2	6	10	4	4	3	0	3	2	2	1	0	4	3%
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	67	70	143	62	0	0	0	0	0	0	0	0	86	59%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	32	36	39	28	20	33	21	27	34	24	12	22	27	19%
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	1	0	0	0	1	1	0	1	1	1%
Out of State	3	4	6	6	6	5	3	3	6	3	4	3	4	3%
Plate Obstructed	0	0	7	1	2	1	0	2	0	1	0	0	2	2%
Short Yellow- PD	0	1	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 Epired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	3	0	11	3	0	24	13	12	11	3	2	9	9	6%
Total:	112	122	229	106	36	69	38	51	58	40	20	36	145	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	2	2	0	2	0	0	2	0	0	0	2	12%
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	1	1	6%
Data Entry Error	1	4	6	6	6	5	8	28	2	1	1	0	6	37%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	1	4	0	10	0	16	0	1	5	4	3	6	33%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	1	1	0	0	0	0	0	0	1	6%
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	1	0	0	0	0	0	1	0	0	0	0	0	1	6%
Total:	2	5	12	8	17	8	25	28	5	6	5	4	17	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	18	18	18	18	18	17	17	17	18	19	19	18	18	18
Average Issued Red Seconds	7.0	7.6	6.1	8.1	7.4	7.2	9.5	8.3	8.0	6.1	6.3	8.7	8	
Citation / Violation Issuance Rate	15%	13%	0%	12%	57%	54%	52%	37%	55%	66%	73%	68%	46%	
Controllable Issuance Rate	91%	79%	0%	67%	80%	92%	73%	62%	94%	94%	93%	96%	84%	



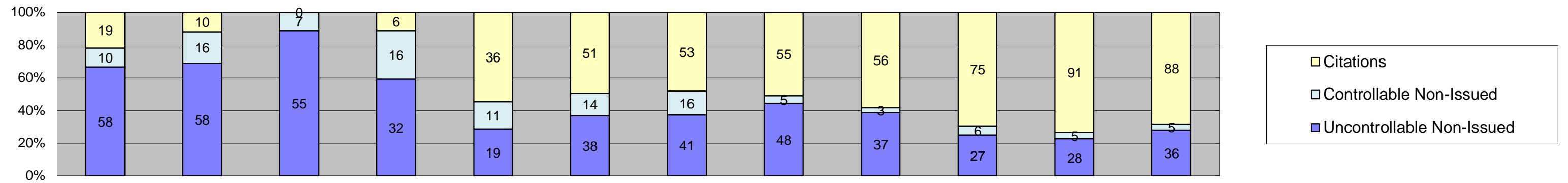
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1302: SB Tujunga Ave @ Busway



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	168	137	159	157	150	136	153	160	158	145	143	155	152	84%
Violations	32	29	69	18	15	23	29	40	27	19	24	34	30	16%
Total:	200	166	228	175	165	159	182	200	185	164	167	189	182	100%
Violations														
Uncontrollable Non-Issued	23	26	68	16	9	13	14	19	9	7	9	16	19	61%
Controllable Non-Issued	0	1	1	1	0	3	1	3	4	0	1	1	2	6%
Citations	9	2	0	1	6	7	14	18	14	12	14	17	10	33%
Total:	32	29	69	18	15	23	29	40	27	19	24	34	31	100%
Non-Violations														
Emergency Vehicle Non-Issuable	7	2	3	7	2	5	8	4	6	4	9	3	5	3%
Emergency Vehicle PD	0	0	0	0	0	0	0	1	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	7	10	13	7	10	7	8	10	10	10	15	5	9	6%
Rear Axle Activation	1	0	0	1	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	153	125	143	142	138	124	137	145	142	131	119	147	137	89%
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:	168	137	159	157	150	136	153	160	158	145	143	155	154	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	1	0	0	1	0	1	2	0	1	0	0	2	1	3%
Conditions Beyond Control	0	0	3	0	0	0	0	0	0	0	0	0	3	7%
Driver Identity Unclear	0	0	0	0	0	0	0	0	1	0	0	0	1	2%
Driver Obstructed	0	0	0	0	0	1	1	0	0	0	0	0	1	2%
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	1	0	0	0	0	0	0	0	0	0	1	2%
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	11	13	33	8	0	0	0	0	0	0	0	0	16	38%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	9	12	19	5	9	5	7	13	5	6	7	4	8	20%
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	3	1	0	1	3	1	1	0	2	1	2	4%
Plate Obstructed	1	1	6	0	0	0	0	0	0	0	0	0	3	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	4	4	9%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	0	0	3	1	0	5	1	5	1	1	0	5	3	6%
Total:	23	26	68	16	9	13	14	19	9	7	9	16	43	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	1	0	0	0	1	23%
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	1	1	1	0	2	1	1	1	0	0	0	1	26%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	2	1	0	1	1	1	28%
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	1	0	0	0	1	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	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	1	1	0	3	1	3	4	0	1	1	4	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	18	17	17	20	19	20	19	19	19	16	20	18	19	
Average Issued Red Seconds	8.7	19.9	5.4	14.4	5.3	13.8	9.5	10.7	9.7	9.0	11.7	9.6	11	
Citation / Violation Issuance Rate	28%	7%	0%	6%	40%	30%	48%	45%	52%	63%	58%	50%	39%	
Controllable Issuance Rate	100%	67%	0%	50%	100%	70%	93%	86%	78%	100%	93%	94%	85%	



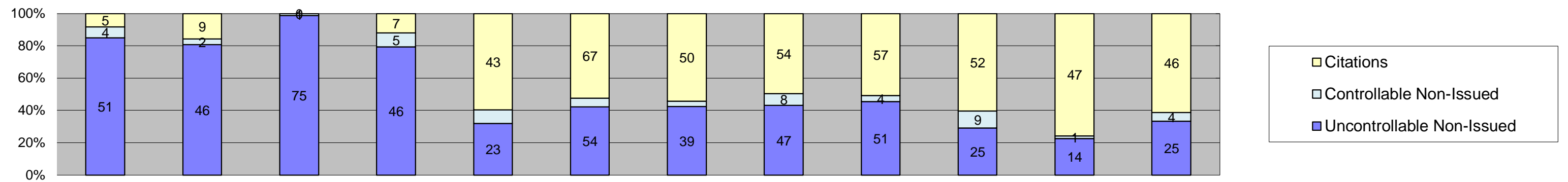
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1313: EB Oxnard St @ Buffalo Ave



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	186	152	189	161	208	175	189	184	171	226	254	222	193	67%
Violations	87	84	62	54	66	103	110	108	96	108	124	129	98	33%
Total:	273	236	251	215	274	278	299	292	267	334	378	351	287	100%
Violations														
Uncontrollable Non-Issued	58	58	55	32	19	38	41	48	37	27	28	36	40	40%
Controllable Non-Issued	10	16	7	16	11	14	16	5	3	6	5	5	10	10%
Citations	19	10	0	6	36	51	53	55	56	75	91	88	49	50%
Total:	87	84	62	54	66	103	110	108	96	108	124	129	98	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	4	2	5	1	2	5	1	1	3	3	4	3	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	1	0	0	0	0	0	0	0	0	0	1	1%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	32	20	22	27	37	18	39	36	23	36	61	28	32	16%
Rear Axle Activation	1	0	1	1	6	0	0	0	0	0	1	1	2	1%
Right Turn- No Violation	27	23	38	17	43	39	17	23	31	70	70	69	39	20%
Test Shot	123	105	125	111	121	116	128	124	116	121	119	120	119	61%
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:	186	152	189	161	208	175	189	184	171	226	254	222	195	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	1	0	0	0	0	0	0	0	0	0	0	1	1	1%
Conditions Beyond Control	0	3	0	1	0	0	0	0	0	0	0	0	2	3%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	1	0	0	1	1%
Driver Obstructed	1	0	0	0	0	1	0	0	0	1	0	0	1	1%
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	1	0	0	0	0	1	1%
Glare on Windshield	0	0	0	0	1	0	1	0	0	0	0	0	1	1%
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	29	38	35	16	0	0	0	0	0	0	0	0	30	42%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	24	14	14	14	16	16	22	24	16	20	27	18	19	26%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	1%
Out of State	1	1	1	1	2	4	3	3	0	2	1	5	2	3%
Plate Obstructed	1	0	0	0	0	1	0	0	0	1	0	0	1	1%
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	1	0	5	0	0	16	15	20	21	2	0	12	12	16%
Total:	58	58	55	32	19	38	41	48	37	27	28	36	71	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	1	0	0	0	0	0	0	0	1	6%
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	3	2	0	3	2	1	1	3	2	0	0	0	2	13%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	3	0	0	0	0	1	0	1	6	5	5	4	21%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	7	11	6	13	8	13	14	2	0	0	0	0	9	55%
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	1	0	0	0	0	0	0	0	0	0	1	6%
Total:	10	16	7	16	11	14	16	5	3	6	5	5	17	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	22	21	22	22	25	23	22	22	22	22	20	20	22	22
Average Issued Red Seconds	9.6	12.3	10.8	10.4	11.0	9.7	10.3	9.8	9.3	9.9	14.4	12.6	11	11
Citation / Violation Issuance Rate	22%	12%	0%	11%	55%	50%	48%	51%	58%	69%	73%	68%	47%	47%
Controllable Issuance Rate	66%	38%	0%	27%	77%	78%	77%	92%	95%	93%	95%	95%	76%	76%



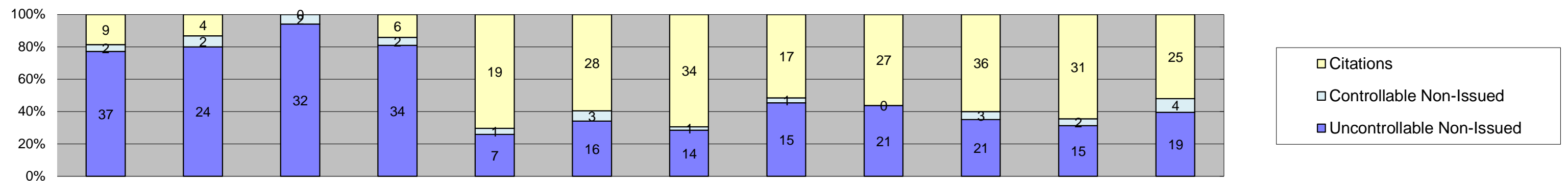
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1314: WB Oxnard St @ Buffalo Ave



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	233	232	228	261	238	208	272	280	279	282	255	234	250	75%
Violations	60	57	76	58	72	128	92	109	112	86	62	75	82	25%
Total:	293	289	304	319	310	336	364	389	391	368	317	309	332	100%
Violations														
Uncontrollable Non-Issued	51	46	75	46	23	54	39	47	51	25	14	25	41	48%
Controllable Non-Issued	4	2	1	5	6	7	3	8	4	9	1	4	5	5%
Citations	5	9	0	7	43	67	50	54	57	52	47	46	40	46%
Total:	60	57	76	58	72	128	92	109	112	86	62	75	86	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	2	2	2	1	1	1	2	0	3	2	2	2	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	112	125	103	146	111	93	155	162	169	164	137	116	133	53%
Rear Axle Activation	3	3	1	3	6	5	0	0	0	0	0	0	4	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	116	102	122	110	120	109	116	116	110	115	116	116	114	45%
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:	233	232	228	261	238	208	272	280	279	282	255	234	252	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	1	1	0	0	4	5	2	0	1	2	3%
Conditions Beyond Control	1	0	6	2	0	0	0	0	0	0	0	0	3	4%
Driver Identity Unclear	0	0	0	0	0	0	0	1	2	0	0	0	2	2%
Driver Obstructed	1	0	1	0	0	2	0	1	0	1	0	0	1	2%
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	4	1	0	1	0	1	2	7	1	2	1	2	3%
Glare on Windshield	0	2	1	1	1	0	1	0	0	1	0	0	1	2%
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	27	26	45	24	0	0	0	0	0	0	0	0	31	43%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	15	13	19	15	17	38	22	28	21	18	11	16	19	27%
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	1	0	1	3	1	2	0	3	0	1	1	2	2%
Plate Obstructed	0	0	1	1	0	0	0	0	2	1	0	1	1	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	5	0	1	1	0	13	13	11	11	1	0	5	7	10%
Total:	51	46	75	46	23	54	39	47	51	25	14	25	71	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	0	1	0	0	0	1	0	0	0	0	1	10%
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	1	4	5	3	2	4	2	0	0	0	3	28%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	1	3	2	8	1	4	3	33%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	2	0	0	0	1	3	0	0	0	1	0	0	2	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	1	0	0	0	0	0	0	1	10%
Total:	4	2	1	5	6	7	3	8	4	9	1	4	10	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	30	33	31	30	33	32	32	32	32	32	30	31	32	32
Average Issued Red Seconds	2.4	2.5	3.0	2.7	2.6	1.3	3.8	2.6	3.3	2.7	3.3	3.4	3	3
Citation / Violation Issuance Rate	8%	16%	0%	12%	60%	52%	54%	50%	51%	60%	76%	61%	46%	46%
Controllable Issuance Rate	56%	82%	0%	58%	88%	91%	94%	87%	93%	85%	98%	92%	84%	84%



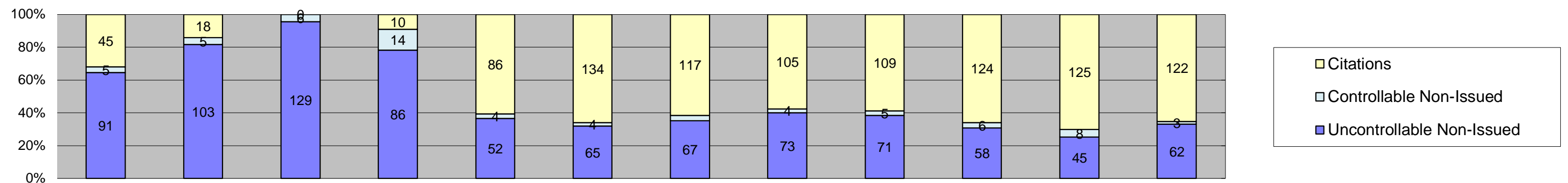
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1321: NB Woodman Ave @ Busway



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	141	136	150	146	156	156	135	154	140	145	153	148	147	77%
Violations	48	30	34	42	27	47	49	33	48	60	48	48	43	23%
Total:	189	166	184	188	183	203	184	187	188	205	201	196	190	100%
Violations														
Uncontrollable Non-Issued	37	24	32	34	7	16	14	15	21	21	15	19	21	47%
Controllable Non-Issued	2	2	2	2	1	3	1	1	0	3	2	4	2	5%
Citations	9	4	0	6	19	28	34	17	27	36	31	25	21	48%
Total:	48	30	34	42	27	47	49	33	48	60	48	48	45	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	7	7	6	4	10	3	4	6	6	5	7	6	4%
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	23	26	22	24	34	31	15	29	20	23	27	21	25	17%
Rear Axle Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Right Turn- No Violation	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Test Shot	116	103	120	116	118	115	117	121	114	116	121	120	116	79%
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:	141	136	150	146	156	156	135	154	140	145	153	148	148	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	1	1	0	0	1	0	1	0	0	1	1	2%
Conditions Beyond Control	1	0	2	1	0	0	0	0	0	0	0	0	1	3%
Driver Identity Unclear	0	1	0	0	0	0	0	0	1	1	0	0	1	2%
Driver Obstructed	0	0	1	0	0	1	0	0	0	0	1	1	1	2%
Emergency Vehicle Issue Exposed	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	1	0	0	0	1	0	0	0	1	0	1	1	1	2%
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	22	16	20	19	0	0	0	0	0	0	0	0	19	45%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	8	7	6	12	6	12	7	5	9	18	11	9	9	22%
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	1	0	0	0	0	1	2%
Out of State	1	0	0	1	0	0	0	2	2	1	2	2	2	4%
Plate Obstructed	0	0	0	0	0	0	0	1	0	1	0	1	1	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	4	0	2	0	0	3	5	6	6	0	0	4	4	10%
Total:	37	24	32	34	7	16	14	15	21	21	15	19	43	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	1	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	2	2	2	0	3	0	1	0	0	0	0	2	29%
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	3	2	4	3	43%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	1	0	0	0	0	0	0	0	1	14%
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:	2	2	2	2	1	3	1	1	0	3	2	4	7	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	24	25	25	25	28	27	28	23	25	26	25	25	26	26
Average Issued Red Seconds	5.5	3.9	5.8	8.4	5.5	4.9	6.6	7.1	5.6	4.9	4.6	5.4	6	6
Citation / Violation Issuance Rate	19%	13%	0%	14%	70%	60%	69%	52%	56%	60%	65%	52%	48%	48%
Controllable Issuance Rate	82%	67%	0%	75%	95%	90%	97%	94%	100%	92%	94%	86%	88%	88%



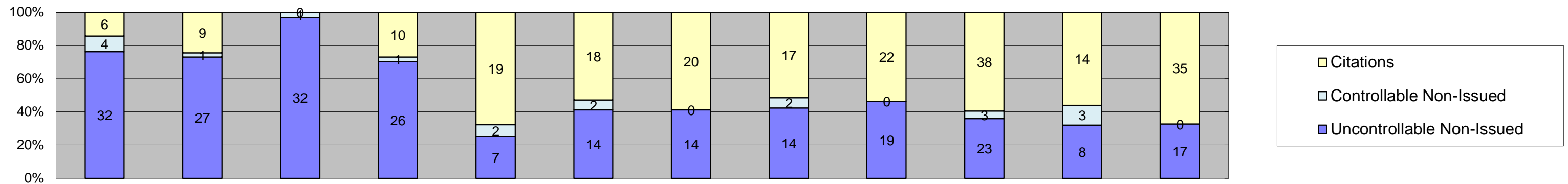
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1322: SB Woodman Ave @ Busway



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	186	151	183	203	170	134	168	172	161	184	178	166	171	51%
Violations	141	126	135	110	142	203	190	182	185	188	178	187	164	49%
Total:	327	277	318	313	312	337	358	354	346	372	356	353	335	100%
Violations														
Uncontrollable Non-Issued	91	103	129	86	52	65	67	73	71	58	45	62	75	44%
Controllable Non-Issued	5	5	6	14	4	4	6	4	5	6	8	3	6	3%
Citations	45	18	0	10	86	134	117	105	109	124	125	122	90	53%
Total:	141	126	135	110	142	203	190	182	185	188	178	187	171	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	1	0	1	2	0	1	1	0	0	3	1	1	1%
Emergency Vehicle PD	0	0	0	0	0	0	1	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	62	44	56	57	50	34	45	50	53	60	57	43	51	29%
Rear Axle Activation	0	0	0	0	0	1	0	0	0	1	0	1	1	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	124	106	127	145	118	99	121	121	108	123	117	121	119	68%
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	1	0	1	1%
Total:	186	151	183	203	170	134	168	172	161	184	178	166	175	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	1	0	0	1	1	3	4	4	4	4	3	3	2%
Conditions Beyond Control	0	1	3	3	0	0	0	0	0	0	0	0	2	2%
Driver Identity Unclear	0	0	0	0	0	0	0	0	2	0	0	1	2	1%
Driver Obstructed	0	1	0	1	0	0	0	2	0	2	0	0	2	1%
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	1	0	0	0	0	1	1%
Glare on Plate	1	2	0	0	0	0	0	0	1	1	1	1	1	1%
Glare on Windshield	0	0	0	0	2	0	2	0	0	0	0	0	2	1%
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	61	69	96	55	0	0	0	0	0	0	0	0	70	52%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	21	26	20	23	43	32	33	33	40	38	35	31	31	23%
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	3	0	0	1	0	1	0	2	1%
Out of State	0	3	0	0	0	2	4	4	1	4	1	3	3	2%
Plate Obstructed	1	0	2	1	6	3	2	4	3	5	2	2	3	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	7	0	8	3	0	24	23	25	19	4	1	21	14	10%
Total:	91	103	129	86	52	65	67	73	71	58	45	62	135	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	3	4	4	13	4	4	5	2	2	1	0	0	4	37%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	2	3	5	7	3	4	35%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	2	0	0	1	0	0	1	0	0	0	1	0	1	11%
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	1	1	0	0	0	0	0	0	0	0	0	1	9%
Total:	5	5	6	14	4	4	6	4	5	6	8	3	11	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	28	28	27	28	29	29	29	27	29	28	27	28	28	28
Average Issued Red Seconds	3.6	2.4	2.5	2.9	2.3	2.6	1.5	2.6	2.4	2.4	2.8	2.7	3	3
Citation / Violation Issuance Rate	32%	14%	0%	9%	61%	66%	62%	58%	59%	66%	70%	65%	51%	51%
Controllable Issuance Rate	90%	78%	0%	42%	96%	97%	95%	96%	96%	95%	94%	98%	89%	89%



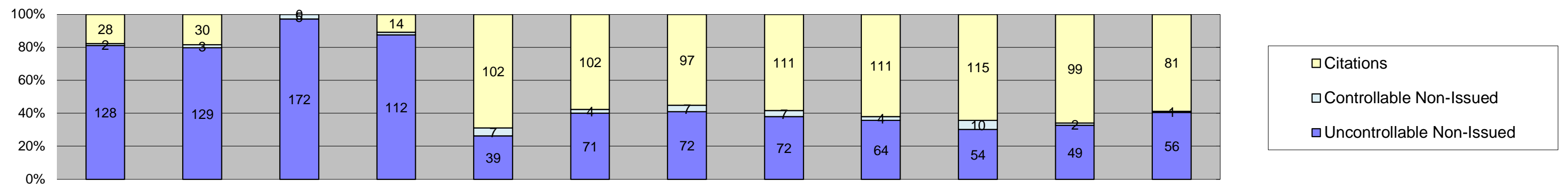
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1331: NB Kester Ave @ Busway



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	151	148	167	154	169	188	222	193	196	193	180	161	177	82%
Violations	42	37	33	37	28	34	34	33	41	64	25	52	38	18%
Total:	193	185	200	191	197	222	256	226	237	257	205	213	215	100%
Violations														
Uncontrollable Non-Issued	32	27	32	26	7	14	14	14	19	23	8	17	19	48%
Controllable Non-Issued	4	1	1	1	2	2	0	2	0	3	3	0	2	5%
Citations	6	9	0	10	19	18	20	17	22	38	14	35	19	47%
Total:	42	37	33	37	28	34	34	33	41	64	25	52	40	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	4	1	2	0	1	1	0	2	0	1	0	2	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	20	22	23	24	20	31	31	22	30	44	24	23	26	15%
Rear Axle Activation	0	1	0	0	0	1	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	130	121	143	128	149	155	190	171	164	149	155	138	149	84%
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:	151	148	167	154	169	188	222	193	196	193	180	161	178	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	1	0	1	0	1	1	3%
Conditions Beyond Control	1	2	4	2	0	0	0	0	0	0	0	0	2	6%
Driver Identity Unclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Obstructed	0	1	0	0	0	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	0	1	0	0	0	0	0	1	0	0	0	0	1	3%
Glare on Windshield	0	0	0	0	0	0	0	0	1	0	0	0	1	3%
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	19	15	19	13	0	0	0	0	0	0	0	0	17	44%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	7	8	6	9	7	8	7	3	9	20	7	10	8	22%
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	1	0	0	1	1	3%
Out of State	1	0	1	0	0	1	1	1	2	0	0	0	1	3%
Plate Obstructed	0	0	0	1	0	1	0	1	0	0	0	1	1	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	0	0	0	0	0	0	0	0%
TSB No Hit	4	0	2	1	0	4	5	7	6	1	1	4	4	9%
Total:	32	27	32	26	7	14	14	14	19	23	8	17	38	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	3	1	1	0	1	1	0	2	0	1	0	0	1	32%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	1	0	0	0	0	0	0	0	0	2	3	0	2	45%
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	1	1	1	0	0	0	0	0	0	1	23%
Total:	4	1	1	1	2	2	0	2	0	3	3	0	4	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	31	32	33	29	31	30	34	31	30	31	34	33	32	32
Average Issued Red Seconds	1.5	0.5	1.2	2.3	4.3	3.2	1.7	1.2	1.6	1.1	3.8	1.9	2	2
Citation / Violation Issuance Rate	14%	24%	0%	27%	68%	53%	59%	52%	54%	59%	56%	67%	48%	48%
Controllable Issuance Rate	60%	90%	0%	91%	90%	90%	100%	89%	100%	93%	82%	100%	90%	90%



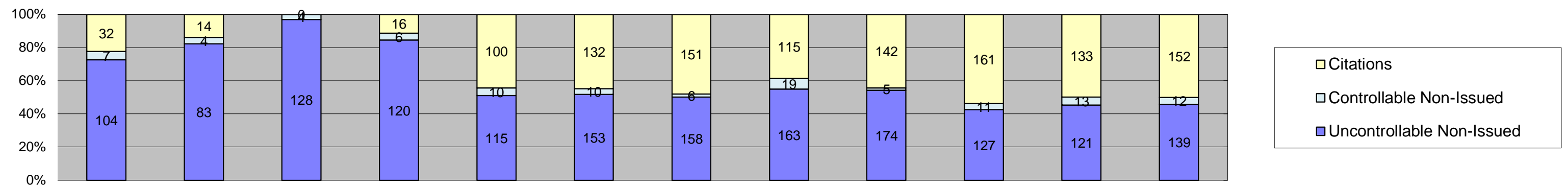
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1332: SB Kester Ave @ Busway



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	145	125	133	127	139	138	146	134	127	141	132	184	139	46%
Violations	158	162	177	128	148	177	176	190	179	179	150	138	164	54%
Total:	303	287	310	255	287	315	322	324	306	320	282	322	303	100%
Violations														
Uncontrollable Non-Issued	128	129	172	112	39	71	72	72	64	54	49	56	85	50%
Controllable Non-Issued	2	3	5	2	7	4	7	7	4	10	2	1	5	3%
Citations	28	30	0	14	102	102	97	111	111	115	99	81	81	48%
Total:	158	162	177	128	148	177	176	190	179	179	150	138	170	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	0	0	1	0	0	1	1	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	1	0	0	0	0	0	0	0	0	0	0	1	1%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	13	9	10	9	12	19	25	12	19	22	14	67	19	14%
Rear Axle Activation	3	6	4	3	5	4	0	0	0	0	1	0	4	3%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	128	109	119	115	121	115	121	121	107	119	116	117	117	82%
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:	145	125	133	127	139	138	146	134	127	141	132	184	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	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	0	0	0	0	0	0	0	1	0	0	0	0	1	1%
Conditions Beyond Control	0	5	4	5	0	0	0	0	0	0	0	0	5	3%
Driver Identity Unclear	0	1	0	0	0	0	1	0	0	0	0	1	1	1%
Driver Obstructed	1	1	0	1	0	1	1	1	0	3	3	3	2	1%
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	44	12	0	0	0	1	0	2	1	5	7	4	10	6%
Glare on Windshield	0	0	0	0	1	0	0	0	0	0	0	0	1	1%
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	45	73	121	73	0	0	0	0	0	0	0	0	78	52%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	28	29	32	26	33	40	40	40	32	37	32	29	33	22%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	1	0	1	1	1	0	0	4	0	1	0	2	1%
Out of State	7	5	4	3	2	7	6	4	2	7	2	2	4	3%
Plate Obstructed	0	2	0	0	2	0	2	0	2	0	2	1	2	1%
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	3	0	11	3	0	21	22	24	23	2	2	16	13	8%
Total:	128	129	172	112	39	71	72	72	64	54	49	56	150	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	2	4	2	7	4	7	6	0	4	0	0	4	53%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	1	4	6	2	1	3	35%
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	1	1	0	0	0	0	0	0	0	0	0	1	12%
Total:	2	3	5	2	7	4	7	7	4	10	2	1	8	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	31	33	32	33	33	33	34	33	32	34	32	33	33	33
Average Issued Red Seconds	1.0	0.8	1.0	1.0	0.6	0.8	0.8	1.0	1.0	0.7	0.8	1.0	1	1
Citation / Violation Issuance Rate	18%	19%	0%	11%	69%	58%	55%	58%	62%	64%	66%	59%	49%	49%
Controllable Issuance Rate	93%	91%	0%	88%	94%	96%	93%	94%	97%	92%	98%	99%	94%	94%



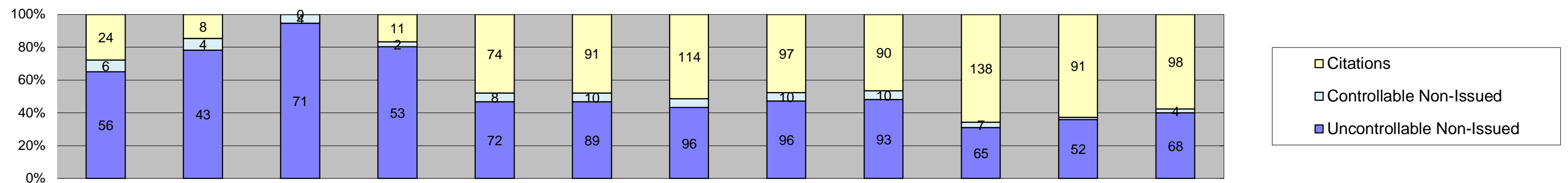
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1341: NB Sepulveda Blvd @ Busway



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	174	156	175	153	171	162	166	164	156	203	187	151	168	42%
Violations	143	101	132	142	225	295	315	297	321	299	267	303	237	58%
Total:	317	257	307	295	396	457	481	461	477	502	454	454	405	100%
Violations														
Uncontrollable Non-Issued	104	83	128	120	115	153	158	163	174	127	121	139	132	54%
Controllable Non-Issued	7	4	4	6	10	10	6	19	5	11	13	12	9	4%
Citations	32	14	0	16	100	132	151	115	142	161	133	152	104	43%
Total:	143	101	132	142	225	295	315	297	321	299	267	303	245	100%
Non-Violations														
Emergency Vehicle Non-Issuable	7	5	8	4	4	8	1	2	11	5	7	3	5	3%
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	48	43	40	39	41	38	44	42	35	76	56	27	44	26%
Rear Axle Activation	1	0	0	0	2	0	0	0	0	2	0	1	2	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	1	1	0	1	1%
Test Shot	118	108	127	110	124	116	121	120	110	119	123	120	118	69%
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:	174	156	175	153	171	162	166	164	156	203	187	151	170	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	3	0	2	7	8	9	12	21	17	11	18	18	11	6%
Conditions Beyond Control	4	0	0	2	0	0	0	0	0	0	0	0	3	2%
Driver Identity Unclear	0	0	0	0	1	4	2	5	12	13	6	12	7	4%
Driver Obstructed	1	1	1	1	0	2	3	2	0	3	6	5	3	1%
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	2	2	3	1	1	67	1	0	0	10	5%
Glare on Windshield	0	6	5	11	28	22	21	15	22	16	23	9	16	8%
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	2	0	2	1%
Issuance Criteria Not Met- PD	65	48	81	55	0	0	0	0	0	0	0	0	62	32%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	21	22	23	32	61	66	65	72	0	64	50	65	49	25%
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	1	0	1	0	0	0	1	0	1	1%
Out of State	1	4	4	4	3	6	9	8	8	7	6	4	5	3%
Plate Obstructed	2	2	1	2	11	10	8	3	9	3	6	7	5	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	0	0	0	0	0	0	0	0%
TSB No Hit	6	0	11	4	0	31	36	36	39	9	3	19	19	10%
Total:	104	83	128	120	115	153	158	163	174	127	121	139	194	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	3	0	2	2	3	4	3	1	1	2	1	2	2	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	3	4	2	4	5	6	3	15	1	3	0	0	5	28%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	2	2	5	12	8	6	35%
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	1	1	0	0	0	1	6%
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	1	0	2	2	9%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	1	0	0	0	2	0	0	0	0	0	0	0	2	9%
Total:	7	4	4	6	10	10	6	19	5	11	13	12	17	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	35	35	34	35	33	35	35	33	33	34	33	33	33	34
Average Issued Red Seconds	0.6	0.8	0.6	1.1	0.7	0.7	0.7	5.9	0.7	0.8	0.8	0.9	1	1
Citation / Violation Issuance Rate	22%	14%	0%	11%	44%	45%	48%	39%	44%	54%	50%	50%	38%	38%
Controllable Issuance Rate	82%	78%	0%	73%	91%	93%	96%	86%	97%	94%	91%	93%	88%	88%



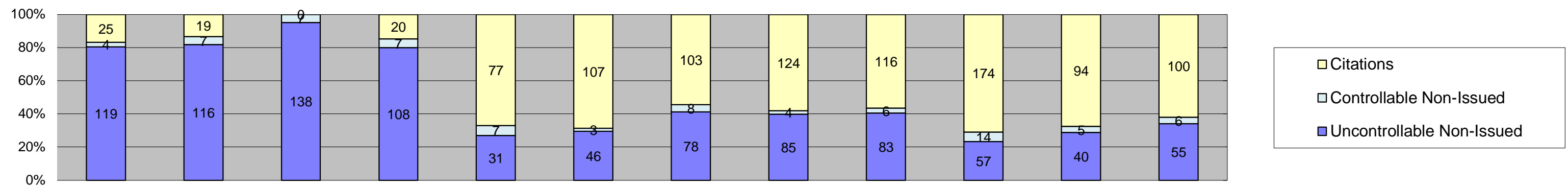
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1342: SB Sepulveda Blvd @ Busway



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	217	202	197	190	192	183	203	197	213	222	214	199	202	58%
Violations	86	55	75	66	154	190	222	203	193	210	145	170	147	42%
Total:	303	257	272	256	346	373	425	400	406	432	359	369	350	100%
Violations														
Uncontrollable Non-Issued	56	43	71	53	72	89	96	96	93	65	52	68	71	46%
Controllable Non-Issued	6	4	4	2	8	10	12	10	10	7	2	4	7	4%
Citations	24	8	0	11	74	91	114	97	90	138	91	98	76	49%
Total:	86	55	75	66	154	190	222	203	193	210	145	170	154	100%
Non-Violations														
Emergency Vehicle Non-Issuable	5	3	4	3	3	0	5	2	4	7	2	2	4	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	90	89	65	64	60	59	71	66	94	89	83	72	75	37%
Rear Axle Activation	0	0	1	2	2	2	0	0	0	0	1	1	2	1%
Right Turn- No Violation	4	5	0	6	5	3	2	8	6	6	7	7	5	3%
Test Shot	118	105	127	115	122	119	125	121	109	120	121	117	118	58%
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:	217	202	197	190	192	183	203	197	213	222	214	199	204	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	1	1	0	1	4	4	5	14	4	6	2	7	4	4%
Conditions Beyond Control	1	0	1	3	0	0	0	0	0	0	0	0	2	2%
Driver Identity Unclear	0	0	0	0	1	0	1	4	3	1	2	1	2	2%
Driver Obstructed	0	1	0	0	1	0	2	1	0	2	1	1	1	1%
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	1	0	1	1%
Glare on Plate	0	1	0	0	0	2	0	0	1	1	0	1	1	1%
Glare on Windshield	0	1	4	1	23	11	6	1	2	1	1	0	5	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	1	1	1%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	32	25	40	26	0	0	0	0	0	0	0	0	31	29%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	14	13	17	19	38	37	44	40	47	40	37	29	31	30%
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	1	0	0	0	0	1	1%
Out of State	2	1	2	2	2	1	2	4	4	5	3	8	3	3%
Plate Obstructed	1	0	1	1	3	5	5	3	3	7	5	2	3	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	0	0	0	0	0	0	0	0%
TSB No Hit	5	0	6	0	0	29	31	28	29	2	0	18	19	18%
Total:	56	43	71	53	72	89	96	96	93	65	52	68	105	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	0	0	1	1	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	1	2	2	1	2	4	8	4	4	4	0	0	3	27%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	2	5	2	1	3	3	22%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	5	0	2	1	5	3	4	4	1	1	0	0	3	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	1	0	0	0	0	1	1	1	9%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	0	1	0	0	0	1	0	0	0	0	0	0	1	9%
Total:	6	4	4	2	8	10	12	10	10	7	2	4	12	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	34	34	33	36	33	34	34	34	32	32	32	36	34	34
Average Issued Red Seconds	2.5	0.8	1.4	2.2	1.0	1.4	1.2	1.1	1.0	1.0	1.0	1.2	1	1
Citation / Violation Issuance Rate	28%	15%	0%	17%	48%	48%	51%	48%	47%	66%	63%	58%	44%	44%
Controllable Issuance Rate	80%	67%	0%	85%	90%	90%	90%	91%	90%	95%	98%	96%	88%	88%



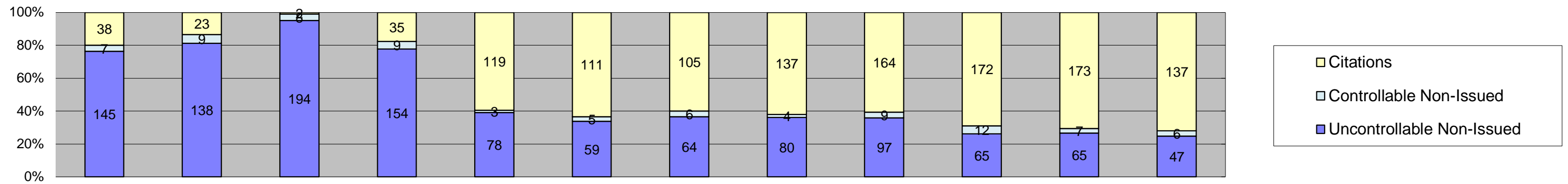
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1351: NB Woodley @ Busway



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	146	110	162	163	157	150	182	172	158	157	161	135	154	48%
Violations	148	142	145	135	115	156	189	213	205	245	139	161	166	52%
Total:	294	252	307	298	272	306	371	385	363	402	300	296	321	100%
Violations														
Uncontrollable Non-Issued	119	116	138	108	31	46	78	85	83	57	40	55	80	46%
Controllable Non-Issued	4	7	7	7	7	3	8	4	6	14	5	6	7	4%
Citations	25	19	0	20	77	107	103	124	116	174	94	100	87	50%
Total:	148	142	145	135	115	156	189	213	205	245	139	161	173	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	2	2	4	0	2	2	6	0	3	3	0	3	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	23	8	32	39	29	34	64	49	41	38	34	16	34	22%
Rear Axle Activation	2	3	4	5	5	1	0	0	0	0	0	0	3	2%
Right Turn- No Violation	0	0	0	1	0	0	0	0	0	1	0	1	1	1%
Test Shot	120	97	124	114	123	113	116	117	117	115	124	118	117	74%
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:	146	110	162	163	157	150	182	172	158	157	161	135	158	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	1	0	0	1	0	1	1%
Conditions Beyond Control	1	4	4	6	0	0	0	0	0	0	0	0	4	3%
Driver Identity Unclear	0	1	0	0	0	0	0	0	2	2	1	0	2	1%
Driver Obstructed	2	2	1	0	3	2	2	0	0	3	0	1	2	1%
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	2	2	1%
Glare on Plate	0	0	1	0	0	0	1	1	0	0	0	0	1	1%
Glare on Windshield	2	2	1	2	1	0	0	1	3	2	0	0	2	1%
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	86	73	83	58	0	0	0	0	0	0	0	0	75	53%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	23	32	30	27	23	23	37	43	38	40	33	26	31	22%
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	1	2	0	0	1	1%
Out of State	1	1	4	6	4	1	7	2	6	4	3	5	4	3%
Plate Obstructed	0	1	3	3	0	1	0	2	1	0	1	3	2	1%
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	4	0	11	6	0	19	30	35	32	4	1	18	16	11%
Total:	119	116	138	108	31	46	78	85	83	57	40	55	142	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	8%
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	4	6	6	6	7	2	7	2	3	5	0	0	5	40%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	1	2	3	6	5	5	4	31%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	1	0	0	1	0	0	0	3	0	1	2	13%
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	1	0	0	0	0	0	0	0	0	0	0	1	8%
Total:	4	7	7	7	7	3	8	4	6	14	5	6	12	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	23	23	24	24	24	23	22	23	22	23	23	24	23	23
Average Issued Red Seconds	14.0	11.6	10.2	8.2	10.4	11.6	13.6	12.7	13.8	13.0	10.2	14.5	12	12
Citation / Violation Issuance Rate	17%	13%	0%	15%	67%	69%	54%	58%	57%	71%	68%	62%	50%	50%
Controllable Issuance Rate	86%	73%	0%	74%	92%	97%	93%	97%	95%	93%	95%	94%	90%	90%



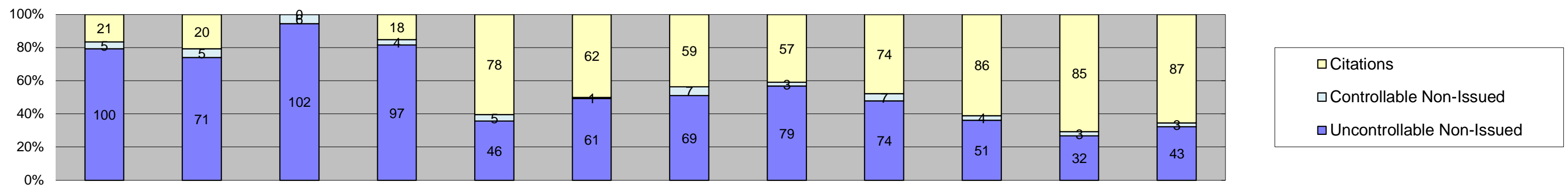
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1352: SB Woodley @ Busway



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	141	126	169	141	147	147	153	175	140	168	157	161	152	42%
Violations	190	170	204	198	200	175	175	221	270	249	245	190	207	58%
Total:	331	296	373	339	347	322	328	396	410	417	402	351	359	100%
Violations														
Uncontrollable Non-Issued	145	138	194	154	78	59	64	80	97	65	65	47	99	48%
Controllable Non-Issued	7	9	8	9	3	5	6	4	9	12	7	6	7	3%
Citations	38	23	2	35	119	111	105	137	164	172	173	137	101	49%
Total:	190	170	204	198	200	175	175	221	270	249	245	190	207	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	1	1	2	2	1	1	2	0	1	3	0	2	1%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Intersection Control in Progress-PD	1	0	0	0	0	0	0	0	0	7	0	0	4	3%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	12	15	9	19	16	28	31	36	30	43	36	45	27	17%
Rear Axle Activation	17	11	9	9	11	6	0	1	0	2	2	0	8	5%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	111	99	150	111	118	112	121	136	110	115	116	116	118	75%
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:	141	126	169	141	147	147	153	175	140	168	157	161	158	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	1	1	1	0	4	5	4	1	6	3	3	2%
Conditions Beyond Control	2	8	5	4	0	0	0	0	0	0	0	0	5	3%
Driver Identity Unclear	1	0	0	0	1	0	0	0	3	4	0	5	3	2%
Driver Obstructed	0	2	2	0	0	0	0	2	1	0	0	2	2	1%
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	5	8	0	1	0	0	0	1	0	1	4	4	3	2%
Glare on Windshield	0	4	1	0	2	0	0	1	0	0	0	0	2	1%
Illegible Plate	0	0	0	0	0	0	0	1	0	0	0	0	1	1%
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	92	79	128	104	0	0	0	0	0	0	0	0	101	55%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	34	29	40	33	64	31	21	31	39	50	48	15	36	20%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	1	0	0	0	0	0	2	0	0	0	0	2	1%
Out of State	4	2	1	3	6	4	5	5	8	3	3	8	4	2%
Plate Obstructed	2	5	6	1	4	0	1	0	1	3	4	0	3	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	5	0	10	7	0	24	33	32	41	3	0	10	18	10%
Total:	145	138	194	154	78	59	64	80	97	65	65	47	183	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	2	0	0	0	0	0	0	0	0	0	0	2	13%
Dark Interior	2	1	0	0	0	0	0	0	1	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	4	6	8	9	3	5	6	3	0	6	1	0	5	33%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	1	8	5	5	6	5	32%
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	1	1	0	1	6%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	1	0	0	0	0	0	0	0	0	0	0	0	1	6%
Total:	7	9	8	9	3	5	6	4	9	12	7	6	15	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	19	20	20	19	19	19	19	19	20	19	20	20	19	19
Average Issued Red Seconds	2.9	2.1	2.3	2.5	1.9	2.7	3.1	2.1	2.4	2.2	2.0	2.8	2	2
Citation / Violation Issuance Rate	20%	14%	1%	18%	60%	63%	60%	62%	61%	69%	71%	72%	47%	47%
Controllable Issuance Rate	84%	72%	20%	80%	98%	96%	95%	97%	95%	93%	96%	96%	85%	85%



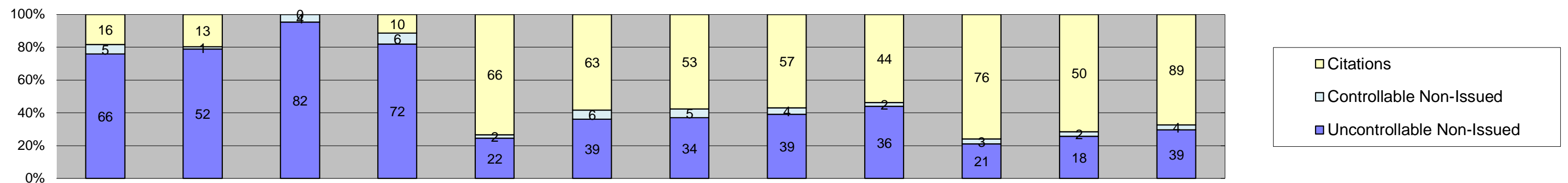
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1361: NB Balboa Blvd @ Busway



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	162	159	175	174	175	158	173	194	162	170	163	170	170	57%
Violations	126	96	108	119	129	124	135	139	155	141	120	133	127	43%
Total:	288	255	283	293	304	282	308	333	317	311	283	303	297	100%
Violations														
Uncontrollable Non-Issued	100	71	102	97	46	61	69	79	74	51	32	43	69	52%
Controllable Non-Issued	5	5	6	4	5	1	7	3	7	4	3	3	4	3%
Citations	21	20	0	18	78	62	59	57	74	86	85	87	59	45%
Total:	126	96	108	119	129	124	135	139	155	141	120	133	132	100%
Non-Violations														
Emergency Vehicle Non-Issuable	7	4	8	8	6	5	5	10	7	9	9	4	7	4%
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	28	44	44	49	39	37	39	53	41	44	36	48	42	25%
Rear Axle Activation	0	1	1	1	2	2	0	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	127	110	122	116	128	114	129	131	114	117	117	118	120	71%
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:	162	159	175	174	175	158	173	194	162	170	163	170	170	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	1	1	1	3	0	0	1	2	2	3	1	0	2	1%
Conditions Beyond Control	0	3	4	4	0	0	0	0	0	0	0	0	4	3%
Driver Identity Unclear	0	0	0	0	0	2	2	3	7	4	1	1	3	2%
Driver Obstructed	0	1	2	1	4	1	1	2	3	1	1	1	2	1%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	2	0	0	0	0	0	0	0	2	2%
Glare on Plate	0	0	0	0	0	0	0	1	0	0	0	0	1	1%
Glare on Windshield	2	4	1	6	8	5	8	4	8	5	0	1	5	4%
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	66	38	63	48	0	0	0	0	0	0	0	0	54	45%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	24	16	22	28	29	28	24	40	31	25	25	27	27	22%
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	1	2	1	0	1	1%
Out of State	3	6	1	4	1	2	4	4	5	8	3	0	4	3%
Plate Obstructed	0	2	1	2	2	1	2	1	0	3	0	1	2	1%
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	4	0	7	1	0	22	27	22	17	0	0	12	14	12%
Total:	100	71	102	97	46	61	69	79	74	51	32	43	119	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	2	1	1	1	2	0	0	0	1	0	0	0	1	17%
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	3	4	5	3	3	1	4	2	0	0	0	0	3	40%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	3	1	6	4	3	3	3	43%
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:	5	5	6	4	5	1	7	3	7	4	3	3	8	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	29	29	29	30	30	28	30	29	30	31	27	26	29	29
Average Issued Red Seconds	5.8	5.9	6.5	5.0	6.1	5.4	5.2	7.2	6.2	4.9	9.5	9.3	6	6
Citation / Violation Issuance Rate	17%	21%	0%	15%	60%	50%	44%	41%	48%	61%	71%	65%	45%	45%
Controllable Issuance Rate	81%	80%	0%	82%	94%	98%	89%	95%	91%	96%	97%	97%	91%	91%



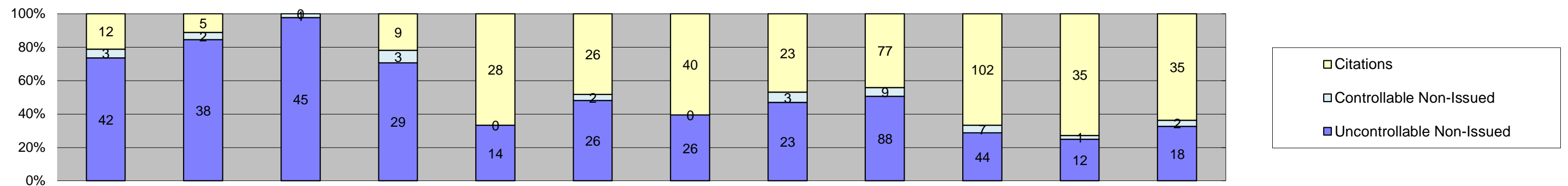
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1362: SB Balboa Blvd @ Busway



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	136	119	135	137	133	142	135	135	152	148	156	138	139	60%
Violations	87	66	86	88	90	108	92	100	82	100	70	132	92	40%
Total:	223	185	221	225	223	250	227	235	234	248	226	270	231	100%
Violations														
Uncontrollable Non-Issued	66	52	82	72	22	39	34	39	36	21	18	39	43	45%
Controllable Non-Issued	5	1	4	6	2	6	5	4	2	3	2	4	4	4%
Citations	16	13	0	10	66	63	53	57	44	76	50	89	49	51%
Total:	87	66	86	88	90	108	92	100	82	100	70	132	96	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	1	1	0	1	4	2	0	4	2	8	1	3	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	7	8	11	18	14	21	14	12	36	22	23	13	17	12%
Rear Axle Activation	0	0	2	0	0	2	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	127	110	121	119	118	115	119	123	112	124	125	124	120	85%
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:	136	119	135	137	133	142	135	135	152	148	156	138	141	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	1	0	0	0	0	0	1	0	1	5	2	2	2	2%
Conditions Beyond Control	2	0	4	2	0	0	0	0	0	0	0	0	3	3%
Driver Identity Unclear	0	0	0	0	0	0	0	1	0	0	0	0	1	1%
Driver Obstructed	0	0	0	0	0	1	0	0	0	2	0	0	2	2%
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	1	0	0	0	0	0	1	1%
Glare on Windshield	0	0	1	1	4	1	1	0	0	0	0	0	2	2%
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	47	39	51	46	0	0	0	0	0	0	0	0	46	55%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	13	11	13	16	15	18	15	21	19	10	12	21	15	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	0	0	0	0	0	0	0	0%
Out of State	1	0	4	1	2	3	1	3	3	3	3	6	3	3%
Plate Obstructed	1	1	2	2	1	0	0	0	0	1	0	2	1	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	1	0	7	4	0	16	15	14	13	0	1	8	9	10%
Total:	66	52	82	72	22	39	34	39	36	21	18	39	84	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	1	0	0	0	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	4	1	4	3	2	6	5	1	1	2	0	0	3	43%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	1	0	0	2	0	0	0	2	1	1	2	4	2	27%
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	1	0	0	0	0	0	0	0	0	1	15%
Total:	5	1	4	6	2	6	5	4	2	3	2	4	7	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	29	29	28	28	29	30	29	29	29	29	27	28	29	29
Average Issued Red Seconds	1.7	1.8	2.0	1.8	1.5	1.6	1.7	1.5	2.4	1.4	1.4	1.9	2	2
Citation / Violation Issuance Rate	18%	20%	0%	11%	73%	58%	58%	57%	54%	76%	71%	67%	51%	51%
Controllable Issuance Rate	76%	93%	0%	63%	97%	91%	91%	93%	96%	96%	96%	96%	90%	90%



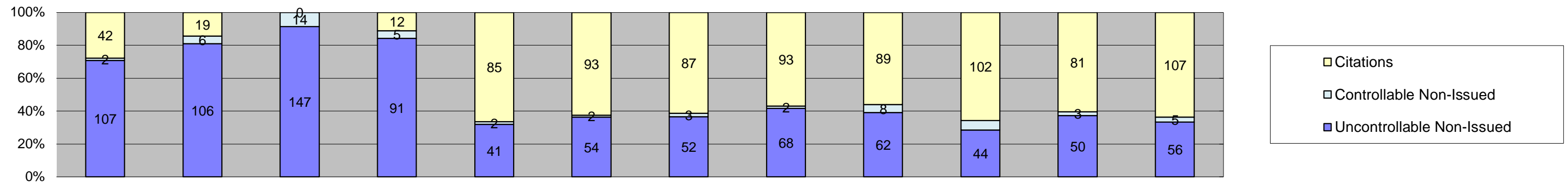
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1371:NB White Oak Ave @ Busway



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	125	110	126	179	128	148	127	134	142	148	135	119	135	67%
Violations	57	45	46	9	42	54	66	49	174	153	48	55	67	33%
Total:	182	155	172	188	170	202	193	183	316	301	183	174	202	100%
Violations														
Uncontrollable Non-Issued	42	38	45	29	14	26	26	23	88	44	12	18	34	46%
Controllable Non-Issued	3	2	1	3	0	2	0	3	9	7	1	2	3	5%
Citations	12	5	0	9	28	26	40	23	77	102	35	35	36	49%
Total:	57	45	46	41	42	54	66	49	174	153	48	55	73	100%
Non-Violations														
Emergency Vehicle Non-Issuable	4	2	1	2	2	3	2	1	4	3	2	0	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	4	0	0	4	3%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	1	1	6	52	7	8	7	9	20	21	11	4	12	9%
Rear Axle Activation	0	0	0	1	2	1	0	0	0	1	0	1	1	1%
Right Turn- No Violation	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Test Shot	120	107	118	124	117	136	118	124	118	119	122	114	120	85%
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:	125	110	126	179	128	148	127	134	142	148	135	119	141	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	2	1	0	0	0	2	2	1	1	2	0	3	2	3%
Conditions Beyond Control	0	0	1	2	0	0	0	0	0	0	0	0	2	2%
Driver Identity Unclear	0	0	0	0	0	0	1	0	2	3	2	0	2	3%
Driver Obstructed	1	0	0	1	0	1	0	1	2	6	0	1	2	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	2	0	0	0	2	3%
Glare on Plate	0	0	0	0	0	0	2	0	0	1	0	0	2	2%
Glare on Windshield	3	3	3	2	10	5	6	3	14	3	2	2	5	7%
Illegible Plate	0	0	0	0	0	0	0	1	0	0	0	1	1	2%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	0	0	0	1	0	0	0	0	0	0	0	0	1	2%
Issuance Criteria Not Met- PD	22	26	29	19	0	0	0	0	0	0	0	0	24	38%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	8	8	9	3	3	11	9	9	37	20	5	5	11	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	1	0	0	0	2	2	0	0	2	3%
Out of State	0	0	0	0	0	1	0	2	1	2	0	2	2	3%
Plate Obstructed	2	0	1	1	0	0	1	1	3	0	3	1	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	0	0	0	0	0	0	0	0%
TSB No Hit	4	0	2	0	0	6	5	5	24	5	0	3	7	11%
Total:	42	38	45	29	14	26	26	23	88	44	12	18	63	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	1	0	0	0	0	0	0	0	0	0	0	0	1	12%
Data Entry Error	1	2	1	3	0	0	0	1	3	1	0	0	2	20%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	1	0	0	0	0	0	0	1	4	6	0	1	3	30%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	0	0	0	0	1	0	0	2	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	1	0	0	1	0	1	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	1	0	0	0	0	0	0	1	12%
Total:	3	2	1	3	0	2	0	3	9	7	1	2	9	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	17	16	17	16	18	17	17	16	17	17	16	17	17	17
Average Issued Red Seconds	5.8	7.9	4.9	6.4	6.7	8.1	7.5	6.2	8.4	6.7	5.5	9.6	7	7
Citation / Violation Issuance Rate	21%	11%	0%	22%	67%	48%	61%	47%	44%	67%	73%	64%	48%	48%
Controllable Issuance Rate	80%	71%	0%	75%	100%	93%	100%	88%	90%	94%	97%	95%	89%	89%



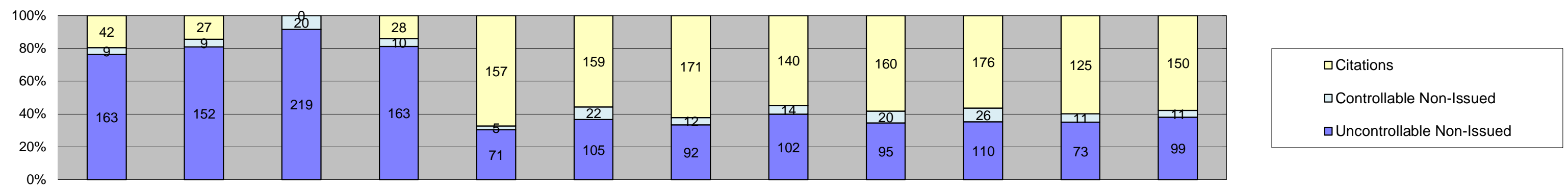
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1372: SB White Oak Ave @ Busway



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	182	173	178	169	182	243	224	230	242	203	215	228	206	59%
Violations	151	131	161	108	128	149	142	163	159	155	134	168	146	41%
Total:	333	304	339	277	310	392	366	393	401	358	349	396	352	100%
Violations														
Uncontrollable Non-Issued	107	106	147	91	41	54	52	68	62	44	50	56	73	48%
Controllable Non-Issued	2	6	14	5	2	2	3	2	8	9	3	5	5	3%
Citations	42	19	0	12	85	93	87	93	89	102	81	107	74	48%
Total:	151	131	161	108	128	149	142	163	159	155	134	168	152	100%
Non-Violations														
Emergency Vehicle Non-Issuable	4	7	2	1	3	5	4	2	3	2	6	7	4	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	54	59	56	53	62	120	104	106	117	77	89	103	83	40%
Rear Axle Activation	0	2	1	0	1	3	0	0	0	1	0	0	2	1%
Right Turn- No Violation	0	0	0	0	0	0	0	0	1	0	0	0	1	0%
Test Shot	124	105	119	115	116	115	116	122	121	123	120	118	118	57%
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:	182	173	178	169	182	243	224	230	242	203	215	228	208	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	3	1	0	0	0	0	2	2%
Conditions Beyond Control	5	3	7	4	0	0	0	0	0	0	0	0	5	4%
Driver Identity Unclear	0	0	0	0	0	0	0	0	1	1	0	0	1	1%
Driver Obstructed	0	1	0	0	3	0	1	3	2	2	2	3	2	2%
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	6	6	1	1	1	0	0	0	0	3	5	4	3	3%
Glare on Windshield	0	0	0	1	0	0	0	0	0	0	0	0	1	1%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	1	0	1	1%
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	67	69	98	50	0	0	0	0	0	3	0	0	57	47%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	20	24	29	22	32	34	31	32	36	25	37	33	30	24%
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	2	0	1	2	1%
Out of State	2	2	2	1	3	2	3	5	2	5	1	3	3	2%
Plate Obstructed	1	1	0	3	2	2	0	2	1	0	3	0	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	3	0	0	0	0	0	0	0	0	3	2%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	6	0	10	6	0	16	14	25	20	3	1	12	11	9%
Total:	107	106	147	91	41	54	52	68	62	44	50	56	122	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	1	6	2	5	2	2	3	1	3	4	0	0	3	32%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	12	0	0	0	0	1	5	5	3	5	5	57%
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	1	0	0	0	0	0	0	0	0	0	0	0	1	11%
Total:	2	6	14	5	2	2	3	2	8	9	3	5	9	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	33	34	33	35	37	35	35	38	35	29	33	35	34	34
Average Issued Red Seconds	2.0	1.3	10.3	2.2	1.1	1.6	1.3	1.0	1.2	11.2	3.0	1.6	3	3
Citation / Violation Issuance Rate	28%	15%	0%	11%	66%	62%	61%	57%	56%	66%	60%	64%	50%	50%
Controllable Issuance Rate	95%	76%	0%	71%	98%	98%	97%	98%	92%	92%	96%	96%	92%	92%



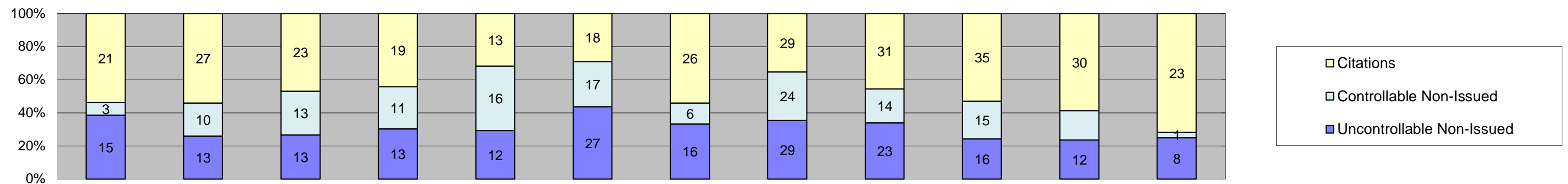
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1382 SB Lindley Ave @ Busway



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	182	143	203	175	189	183	181	183	172	176	182	178	179	42%
Violations	214	188	239	201	233	286	275	256	275	312	209	260	246	58%
Total:	396	331	442	376	422	469	456	439	447	488	391	438	425	100%
Violations														
Uncontrollable Non-Issued	163	152	219	163	71	105	92	102	95	110	73	99	120	47%
Controllable Non-Issued	9	9	20	10	5	22	12	14	20	26	11	11	14	6%
Citations	42	27	0	28	157	159	171	140	160	176	125	150	121	47%
Total:	214	188	239	201	233	286	275	256	275	312	209	260	256	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	1	6	2	7	7	7	2	5	2	3	5	4	2%
Emergency Vehicle PD	0	0	1	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	58	39	78	59	63	60	56	65	57	54	54	53	58	32%
Rear Axle Activation	0	0	0	0	0	1	0	0	0	0	0	0	1	1%
Right Turn- No Violation	1	1	0	0	1	2	0	0	0	0	0	0	1	1%
Test Shot	120	102	118	114	118	113	118	116	110	120	125	120	116	64%
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:	182	143	203	175	189	183	181	183	172	176	182	178	182	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	1	3	5	2	1	3	1	5	4	11	5	4	4	2%
Conditions Beyond Control	3	6	8	6	0	0	0	0	0	0	0	0	6	3%
Driver Identity Unclear	0	0	0	0	0	0	0	1	3	2	1	1	2	1%
Driver Obstructed	1	0	1	0	5	2	1	1	0	1	0	3	2	1%
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	26	20	7	2	1	1	3	4	4	20	17	19	10	5%
Glare on Windshield	0	0	0	0	0	2	1	0	0	1	0	1	1	1%
Illegible Plate	0	0	0	0	0	0	0	0	0	2	0	0	2	1%
Interest of Justice- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	0%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	91	74	140	100	0	0	0	0	0	0	0	0	101	50%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	29	39	39	41	52	54	56	50	54	61	43	47	47	23%
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	3	4	5	4	6	7	2	4	2	2	2	5	4	2%
Plate Obstructed	4	5	3	3	6	4	2	3	1	2	5	2	3	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	5	0	11	5	0	32	26	34	27	8	0	17	18	9%
Total:	163	152	219	163	71	105	92	102	95	110	73	99	201	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	1	0	3	1	2	1	3	0	1	0	1	0	2	7%
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	6	7	15	7	3	16	4	8	5	6	0	0	8	34%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	0	2	12	14	4	8	8	35%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	2	2	2	0	5	5	4	2	5	6	3	3	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	1	0	0	1	4%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	1	0	0	0	0	0	0	0	0	0	0	0	1	4%
Total:	9	9	20	10	5	22	12	14	20	26	11	11	23	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	33	34	32	34	32	33	33	32	33	31	33	33	33	33
Average Issued Red Seconds	1.5	1.0	1.6	1.9	1.8	2.0	1.0	2.0	1.3	1.8	2.0	2.2	2	2
Citation / Violation Issuance Rate	20%	14%	0%	14%	67%	56%	62%	55%	58%	56%	60%	58%	47%	47%
Controllable Issuance Rate	82%	75%	0%	74%	97%	88%	93%	91%	89%	87%	92%	93%	87%	87%



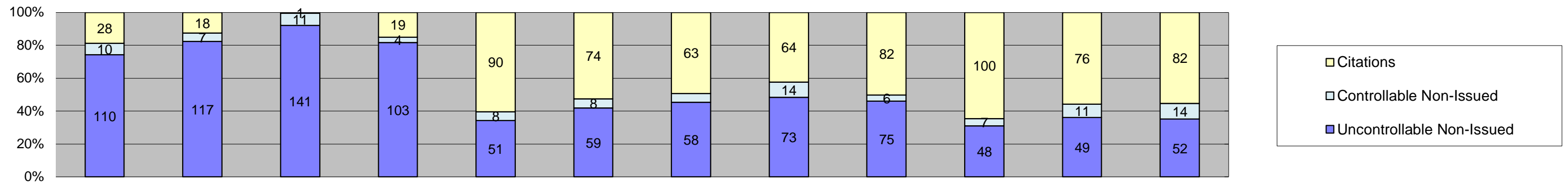
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1385: WB to NB Lindley Ave @ Oxnard St



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	351	277	333	350	379	452	284	440	532	673	238	182	374	88%
Violations	39	50	49	43	41	62	48	82	68	66	51	32	53	12%
Total:	390	327	382	393	420	514	332	522	600	739	289	214	427	100%
Violations														
Uncontrollable Non-Issued	15	13	13	13	12	27	16	29	23	16	12	8	16	31%
Controllable Non-Issued	3	10	13	11	16	17	6	24	14	15	9	1	12	22%
Citations	21	27	23	19	13	18	26	29	31	35	30	23	25	47%
Total:	39	50	49	43	41	62	48	82	68	66	51	32	53	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	0	0	0	1	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	254	194	249	272	286	358	196	359	440	585	145	96	286	76%
Rear Axle Activation	0	0	1	0	0	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	97	83	83	78	93	93	88	81	92	88	93	86	88	23%
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:	351	277	333	350	379	452	284	440	532	673	238	182	376	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	1	0	1	0	1	4%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	1	2	1	0	0	0	1	1	1	0	0	1	1	4%
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	1	0	1	1	1	0	0	0	0	1	4%
Glare on Windshield	0	0	1	0	3	1	1	0	2	0	1	0	2	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	1	0	0	0	0	0	0	0	0	0	0	1	4%
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	10	6	10	12	8	21	9	14	9	8	9	4	10	37%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	2	1	0	0	0	0	1	0	2	0	0	0	2	6%
Out of State	0	2	0	0	1	2	0	2	0	0	1	0	2	6%
Plate Obstructed	0	1	0	0	0	0	0	1	1	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	1	0	6	0	0	4	13%
TSB No Hit	2	0	1	0	0	2	3	9	7	2	0	3	4	13%
Total:	15	13	13	13	12	27	16	29	23	16	12	8	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	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	3	10	12	11	16	17	6	24	13	15	9	1	11	92%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	1	0	0	0	0	0	1	0	0	0	1	8%
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:	3	10	13	11	16	17	6	24	14	15	9	1	12	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	14	14	15	15	14	13	14	15	15	15	15	14	14	14
Average Issued Red Seconds	68.4	48.6	43.0	67.3	47.6	70.7	41.0	43.2	35.5	50.4	47.3	53.5	51	
Citation / Violation Issuance Rate	54%	54%	47%	44%	32%	29%	54%	35%	46%	53%	59%	72%	48%	
Controllable Issuance Rate	88%	73%	64%	63%	45%	51%	81%	55%	69%	70%	77%	96%	69%	



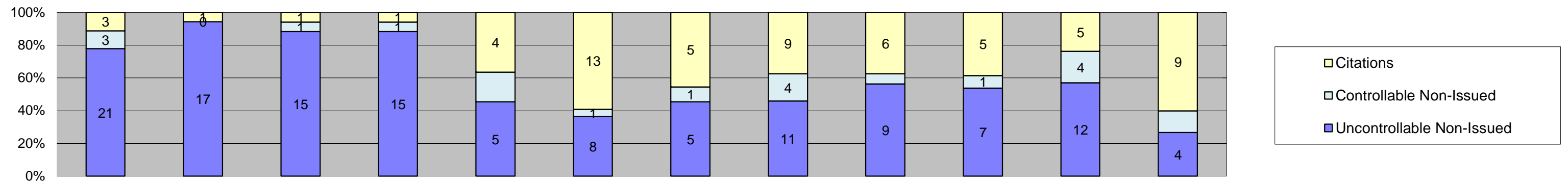
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1391: NB Reseda Blvd @ Busway



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	187	140	181	156	159	145	169	171	155	153	160	159	161	53%
Violations	148	142	153	126	149	141	128	151	163	155	136	148	145	47%
Total:	335	282	334	282	308	286	297	322	318	308	296	307	306	100%
Violations														
Uncontrollable Non-Issued	110	117	141	103	51	59	58	73	75	48	49	52	78	54%
Controllable Non-Issued	10	7	11	4	8	8	7	14	6	7	11	14	9	6%
Citations	28	18	1	19	90	74	63	64	82	100	76	82	58	40%
Total:	148	142	153	126	149	141	128	151	163	155	136	148	145	100%
Non-Violations														
Emergency Vehicle Non-Issuable	4	5	5	5	8	4	6	3	4	6	5	6	5	3%
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	26	20	43	27	26	16	26	44	32	20	31	29	28	17%
Rear Axle Activation	1	3	4	1	2	3	0	0	0	0	2	0	2	1%
Right Turn- No Violation	0	0	0	0	0	0	0	1	0	0	0	1	1	1%
Test Shot	156	112	129	123	123	122	137	123	119	127	122	123	126	77%
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:	187	140	181	156	159	145	169	171	155	153	160	159	163	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	1	0	1	5	2	3	1	7	5	3	4	2	3	2%
Conditions Beyond Control	1	3	1	2	0	0	0	0	0	0	0	0	2	1%
Driver Identity Unclear	0	0	0	0	0	1	2	2	9	3	4	2	3	2%
Driver Obstructed	1	3	0	2	0	0	0	1	3	6	4	9	4	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	2	0	0	0	2	1%
Glare on Plate	1	1	0	0	0	0	0	0	0	0	0	0	1	1%
Glare on Windshield	4	7	6	5	12	7	9	6	12	4	8	5	7	5%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	67	64	90	61	0	0	0	0	0	0	0	0	71	51%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	20	35	31	22	31	22	21	29	20	27	27	22	26	19%
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	1	0	0	0	1	1	0	0	1	1%
Out of State	4	2	3	1	2	1	2	1	1	2	1	1	2	1%
Plate Obstructed	8	2	0	4	3	1	3	2	2	0	1	1	3	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	3	0	8	1	0	24	20	25	20	2	0	10	13	9%
Total:	110	117	141	103	51	59	58	73	75	48	49	52	137	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	2	1	7	2	0	3	0	0	1	2	3	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	5	6	7	0	0	5	2	11	0	0	0	0	6	32%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	1	0	0	0	0	0	4	0	4	4	7	7	5	24%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	2	1	1	3	1	1	1	0	1	3	2	4	2	10%
Framing of Driver	0	0	1	0	0	0	0	0	0	0	0	1	1	5%
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	1	0	1	0	1	5%
Reject Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Speed Not Determined	2	0	0	0	0	0	0	0	0	0	0	0	2	11%
Total:	10	7	11	4	8	8	7	14	6	7	11	14	19	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	19	19	19	19	19	18	19	19	19	19	19	19	19	19
Average Issued Red Seconds	3.5	4.3	3.3	3.3	3.0	3.4	4.2	2.5	4.0	3.5	3.8	2.9	3	
Citation / Violation Issuance Rate	19%	13%	1%	15%	60%	52%	49%	42%	50%	65%	56%	55%	40%	
Controllable Issuance Rate	74%	72%	8%	83%	92%	90%	90%	82%	93%	93%	87%	85%	79%	



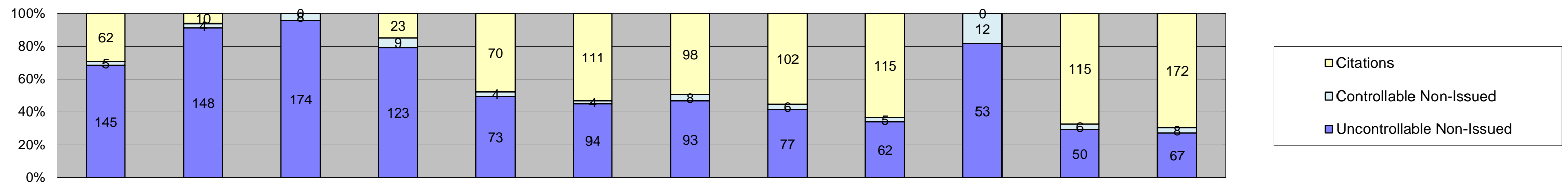
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1392: SB Reseda Ave @ Busway



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	135	117	141	127	131	131	137	138	134	128	130	131	132	88%
Violations	27	18	17	17	11	22	11	24	16	13	21	15	18	12%
Total:	162	135	158	144	142	153	148	162	150	141	151	146	149	100%
Violations														
Uncontrollable Non-Issued	21	17	15	15	5	8	5	11	9	7	12	4	11	60%
Controllable Non-Issued	3	0	1	1	2	1	1	4	1	1	4	2	2	11%
Citations	3	1	1	1	4	13	5	9	6	5	5	9	5	29%
Total:	27	18	17	17	11	22	11	24	16	13	21	15	18	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	0	0	0	0	0	2	0	0	1	1	4	2	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	4	1	6	1	0	5	2	5	4	1	2	3	3	2%
Rear Axle Activation	0	1	0	1	1	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	129	115	135	125	130	126	133	133	130	126	127	124	128	95%
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:	135	117	141	127	131	131	137	138	134	128	130	131	134	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	3	1	0	1	2	1	3	2	1	1	2	1	2	6%
Conditions Beyond Control	0	0	0	1	0	0	0	0	0	0	0	0	1	4%
Driver Identity Unclear	0	0	0	0	0	0	0	1	0	0	0	0	1	4%
Driver Obstructed	0	0	0	1	0	0	0	0	1	0	0	0	1	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	4	3	0	0	0	0	0	0	0	0	6	0	4	16%
Glare on Windshield	0	0	0	1	0	0	0	0	0	0	0	0	1	4%
Illegible Plate	0	0	0	0	0	0	0	0	1	0	0	0	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	12	7	9	7	0	0	0	0	0	0	0	0	9	31%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	2	6	4	3	3	2	0	6	5	6	3	3	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	0	0	0	1	0	0	0	0	0	0	1	0	1	4%
Plate Obstructed	0	0	0	0	0	1	0	0	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	0	2	0	0	4	2	2	1	0	0	0	2	8%
Total:	21	17	15	15	5	8	5	11	9	7	12	4	28	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	1	0	0	0	1	1	0	1	0	1	0	0	1	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	1	1	1	22%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	1	0	0	1	1	0	1	3	1	0	3	1	2	33%
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	1	0	1	0	0	0	0	0	0	0	0	0	1	22%
Total:	3	0	1	1	2	1	1	4	1	1	4	2	5	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	17	17	18	18	19	17	17	17	18	18	18	17	18	18
Average Issued Red Seconds	14.9	16.2	12.3	16.5	21.6	16.3	17.8	18.4	16.3	9.8	21.5	21.0	17	17
Citation / Violation Issuance Rate	11%	6%	6%	6%	36%	59%	45%	38%	38%	38%	24%	60%	31%	31%
Controllable Issuance Rate	50%	100%	50%	50%	67%	93%	83%	69%	86%	83%	56%	82%	72%	72%



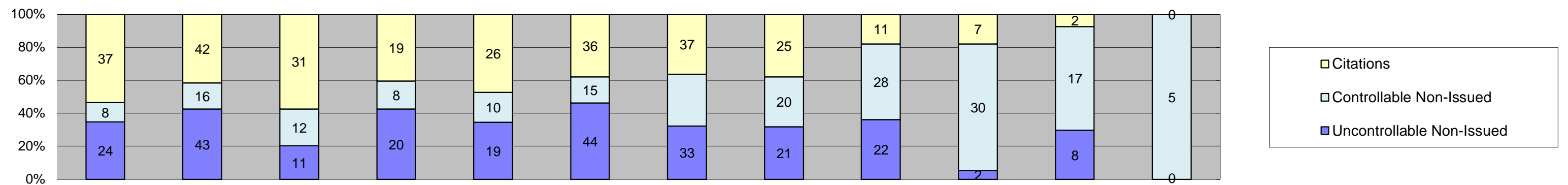
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1402: SB Mason Ave @ Busway



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	165	160	159	156	166	156	135	158	193	267	145	166	169	49%
Violations	212	162	182	155	147	209	199	185	182	65	171	247	176	51%
Total:	377	322	341	311	313	365	334	343	375	332	316	413	345	100%
Violations														
Uncontrollable Non-Issued	145	148	174	123	73	94	93	77	62	53	50	67	97	51%
Controllable Non-Issued	5	4	8	9	4	4	8	6	5	12	6	8	7	3%
Citations	62	10	0	23	70	111	98	102	115	0	115	172	88	46%
Total:	212	162	182	155	147	209	199	185	182	143	171	247	191	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	3	1	2	1	2	1	1	1	1	1	0	1	1%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	0	0	1	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	44	46	37	48	48	35	26	30	59	133	29	47	49	28%
Rear Axle Activation	2	6	5	4	5	2	0	0	0	0	0	1	4	2%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	118	105	116	102	112	117	108	127	133	133	114	118	117	68%
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:	165	160	159	156	166	156	135	158	193	267	145	166	171	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	1	0	0	0	0	0	0	0	0	0	0	1	1%
Conditions Beyond Control	6	4	7	4	0	0	0	0	0	0	0	0	5	3%
Driver Identity Unclear	0	0	0	1	1	3	2	4	0	0	0	0	2	1%
Driver Obstructed	1	1	3	0	3	2	2	2	1	1	0	2	2	1%
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	1%
Glare on Windshield	2	4	13	8	23	21	14	5	0	0	0	0	11	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	92	99	101	70	0	0	0	0	0	0	0	0	91	52%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	32	38	39	31	42	48	51	44	28	44	42	50	41	23%
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	2	2	0	0	2	1%
Out of State	5	1	2	4	4	1	2	3	5	5	7	0	4	2%
Plate Obstructed	0	0	0	1	0	1	0	0	3	0	1	1	1	1%
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	7	0	9	4	0	18	21	19	23	0	0	14	14	8%
Total:	145	148	174	123	73	94	93	77	62	53	50	67	175	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	5	2	7	8	3	3	7	4	0	6	0	0	5	49%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	0	0	0	0	0	1	1	5	5	5	8	4	40%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	2	1	1	1	1	0	1	0	1	1	0	1	11%
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:	5	4	8	9	4	4	8	6	5	12	6	8	10	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	20	20	20	20	19	19	19	20	20	20	20	19	20	19
Average Issued Red Seconds	48.6	41.2	41.2	35.4	63.3	32.4	37.7	36.7	42.2	25.6	38.5	37.3	40	40
Citation / Violation Issuance Rate	29%	6%	0%	15%	48%	53%	49%	55%	63%	0%	67%	70%	46%	46%
Controllable Issuance Rate	93%	71%	0%	72%	95%	97%	92%	94%	96%	0%	95%	96%	90%	90%



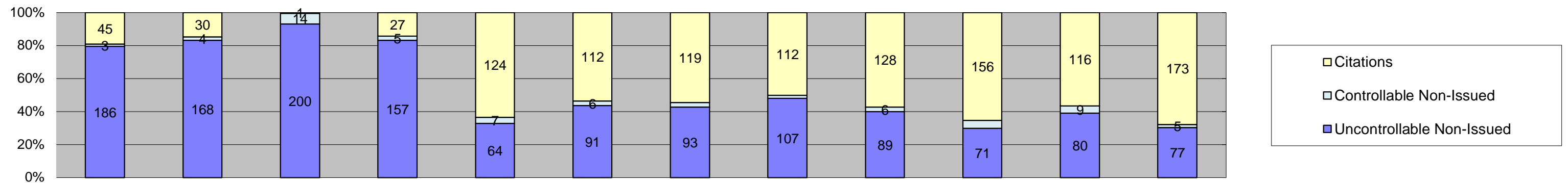
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1405: WB to NB Mason Ave @ Victory Blvd



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	541	617	539	556	512	860	998	953	948	1,048	860	925	780	93%
Violations	69	101	54	47	55	95	102	66	61	39	27	5	60	7%
Total:	610	718	593	603	567	955	1,100	1,019	1,009	1,087	887	930	840	100%
Violations														
Uncontrollable Non-Issued	24	43	11	20	19	44	33	21	22	2	8	0	22	35%
Controllable Non-Issued	8	16	12	8	10	15	32	20	28	30	17	5	17	26%
Citations	37	42	31	19	26	36	37	25	11	7	2	0	25	39%
Total:	69	101	54	47	55	95	102	66	61	39	27	5	64	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	1	0	0	1	0	0	1	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	419	509	412	436	385	738	871	826	824	931	749	799	658	84%
Rear Axle Activation	0	0	0	1	0	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	122	107	127	119	126	122	127	126	124	117	110	126	121	15%
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:	541	617	539	556	512	860	998	953	948	1,048	860	925	781	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	2	0	0	0	1	0	1	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	5	6	1	0	0	0	0	1	4	0	0	0	3	8%
Driver Obstructed	0	0	1	0	0	2	1	1	1	0	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	0	0	0	0	0	0	1	0	0	0	0	0	1	2%
Glare on Windshield	1	4	2	0	0	8	3	2	2	2	0	0	3	7%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	1	1	0	0	0	0	0	0	0	0	0	0	1	2%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	2%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	12	25	6	18	17	23	17	9	4	0	4	0	14	34%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	1	0	1	0	0	0	0	0	0	0	0	1	2%
Out of State	2	3	0	0	2	1	2	0	4	0	0	0	2	6%
Plate Obstructed	2	0	0	0	0	1	0	0	1	0	0	0	1	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	4	0	4	10%
TSB Expired	0	0	0	0	0	0	0	2	2	0	0	0	2	5%
TSB No Hit	1	0	1	1	0	8	9	5	4	0	0	0	4	10%
Total:	24	43	11	20	19	44	33	21	22	2	8	0	40	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	1	0	0	0	0	1	5%
Data Box Related- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Data Box Data Error- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	5%
Data Entry Error	7	14	11	8	10	14	30	19	26	30	17	5	16	74%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	1	0	0	0	0	2	0	2	0	0	0	2	8%
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	5%
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	1	0	0	0	0	0	0	1	5%
Total:	8	16	12	8	10	15	32	20	28	30	17	5	22	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	17	17	16	15	17	16	17	17	16	19	0	0	17	
Average Issued Red Seconds	13.1	12.9	9.6	10.4	9.6	12.9	13.0	16.3	14.1	21.8	0.0	0.0	13	
Citation / Violation Issuance Rate	54%	42%	57%	40%	47%	38%	36%	38%	18%	18%	7%	0%	36%	
Controllable Issuance Rate	82%	72%	72%	70%	72%	71%	54%	56%	28%	19%	11%	0%	55%	



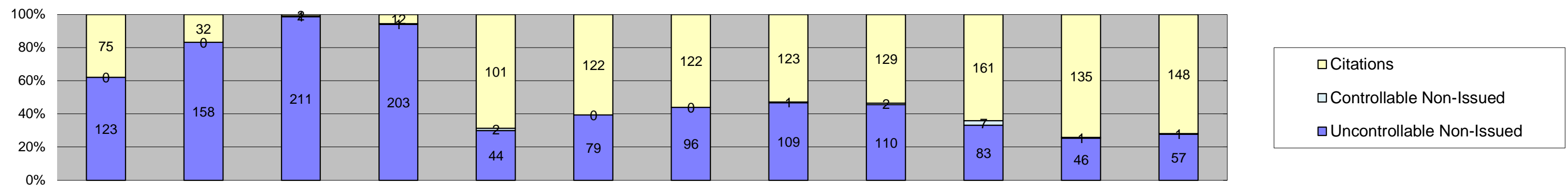
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1412: SB De Soto Ave @ Busway



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	186	153	170	186	185	173	171	192	173	177	178	179	177	45%
Violations	234	202	215	189	195	209	218	223	223	239	205	255	217	55%
Total:	420	355	385	375	380	382	389	415	396	416	383	434	394	100%
Violations														
Uncontrollable Non-Issued	186	168	200	157	64	91	93	107	89	71	80	77	115	53%
Controllable Non-Issued	3	4	14	5	7	6	6	4	6	12	9	5	7	3%
Citations	45	30	1	27	124	112	119	112	128	156	116	173	95	44%
Total:	234	202	215	189	195	209	218	223	223	239	205	255	217	100%
Non-Violations														
Emergency Vehicle Non-Issuable	17	12	16	14	16	12	19	17	15	17	21	15	16	9%
Emergency Vehicle PD	0	0	0	0	0	0	1	0	0	0	1	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	46	33	31	53	36	35	27	45	38	43	37	26	38	21%
Rear Axle Activation	3	4	8	3	5	6	1	0	0	0	3	1	4	2%
Right Turn- No Violation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Test Shot	120	104	115	116	128	120	123	130	120	117	116	137	121	67%
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:	186	153	170	186	185	173	171	192	173	177	178	179	179	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	3	0	0	2	1	4	4	2	3	2	2	3	1%
Conditions Beyond Control	2	2	10	6	0	0	0	0	0	0	0	0	5	2%
Driver Identity Unclear	0	0	0	0	0	0	1	0	2	0	0	0	2	1%
Driver Obstructed	2	4	0	2	4	6	1	3	2	6	3	2	3	2%
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	1	0	0	1	1	0%
Glare on Plate	2	2	0	0	0	0	0	1	0	0	2	2	2	1%
Glare on Windshield	1	0	0	0	0	0	0	2	0	0	1	0	1	1%
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	112	118	130	97	0	0	0	0	0	0	0	0	114	56%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	52	34	40	40	53	45	51	47	54	52	63	44	48	24%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	0	1	0	0	1	1	1	0	3	1	2	0	1	1%
Out of State	6	1	4	5	2	6	8	7	5	4	5	9	5	3%
Plate Obstructed	1	3	2	0	2	2	1	1	1	1	1	4	2	1%
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	8	0	14	7	0	30	26	42	19	4	1	13	16	8%
Total:	186	168	200	157	64	91	93	107	89	71	80	77	203	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	0	1	0	0	1	0	0	0	0	0	1	8%
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	3	2	7	4	6	5	4	3	1	4	0	0	4	33%
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	3	8	7	4	6	49%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	1	0	0	1	1	1	1	2	0	2	1	1	10%
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	4	14	5	7	6	6	4	6	12	9	5	12	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	28	28	29	30	29	28	30	30	29	29	29	28	29	29
Average Issued Red Seconds	4.9	4.1	4.1	1.8	4.0	7.0	4.3	4.5	3.1	4.1	2.9	4.6	4	4
Citation / Violation Issuance Rate	19%	15%	0%	14%	64%	54%	55%	50%	57%	65%	57%	68%	43%	43%
Controllable Issuance Rate	94%	88%	7%	84%	95%	95%	95%	97%	96%	93%	93%	97%	86%	86%



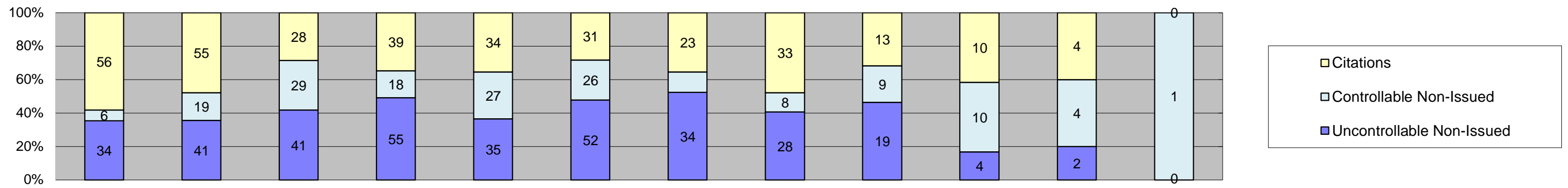
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1414: WB Van Owen St @ Busway



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	207	139	175	174	181	177	187	159	183	180	145	134	170	45%
Violations	198	190	214	216	147	201	218	233	241	251	182	206	208	55%
Total:	405	329	389	390	328	378	405	392	424	431	327	340	378	100%
Violations														
Uncontrollable Non-Issued	123	158	211	203	44	79	96	109	110	83	46	57	110	53%
Controllable Non-Issued	0	0	1	1	2	0	0	1	2	7	1	1	2	1%
Citations	75	32	2	12	101	122	122	123	129	161	135	148	97	46%
Total:	198	190	214	216	147	201	218	233	241	251	182	206	209	100%
Non-Violations														
Emergency Vehicle Non-Issuable	22	17	26	20	25	20	17	10	21	23	14	16	19	11%
Emergency Vehicle PD	0	0	0	0	0	0	3	0	0	1	0	0	2	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	128	73	87	86	99	100	105	86	100	101	75	66	92	53%
Rear Axle Activation	0	1	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	57	48	62	68	57	57	62	63	62	55	56	52	58	34%
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:	207	139	175	174	181	177	187	159	183	180	145	134	173	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	1	3	2	7	0	1	1	0	3	2	0	0	3	1%
Conditions Beyond Control	0	2	2	11	0	0	0	0	0	0	0	0	5	3%
Driver Identity Unclear	0	0	0	1	0	3	1	2	4	3	3	1	2	1%
Driver Obstructed	2	1	4	2	0	3	1	4	0	2	1	3	2	1%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	1	0	1	1	1	0	6	1	2	0	2	0	2	1%
Glare on Plate	1	0	0	0	1	0	0	0	1	0	0	1	1	1%
Glare on Windshield	0	0	6	9	6	8	6	10	22	16	2	1	9	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	83	116	144	134	0	0	0	0	0	3	0	0	96	53%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	18	29	28	24	25	9	46	33	23	39	28	24	27	15%
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	2	0	0	2	1%
Out of State	9	6	8	7	11	12	6	11	12	9	7	12	9	5%
Plate Obstructed	2	1	0	0	0	0	0	0	0	1	2	0	2	1%
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	1	0	0	1	1%
TSB No Hit	5	0	16	7	0	43	29	48	43	5	1	15	21	12%
Total:	123	158	211	203	44	79	96	109	110	83	46	57	181	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	4	1	0	3	35%
Clarity of Driver	0	0	0	0	2	0	0	0	0	0	0	0	2	28%
Dark Interior	0	0	0	1	0	0	0	1	2	3	0	1	2	23%
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	1	0	0	0	0	0	0	0	0	0	1	14%
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	1	1	2	0	0	1	2	7	1	1	7	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	30	28	30	28	27	30	30	31	28	28	29	32	29	
Average Issued Red Seconds	2.8	2.9	2.0	1.6	2.2	1.4	3.0	2.7	12.1	1.5	0.7	2.3	3	
Citation / Violation Issuance Rate	38%	17%	1%	6%	69%	61%	56%	53%	54%	64%	74%	72%	47%	
Controllable Issuance Rate	100%	100%	67%	92%	98%	100%	100%	99%	98%	96%	99%	99%	96%	



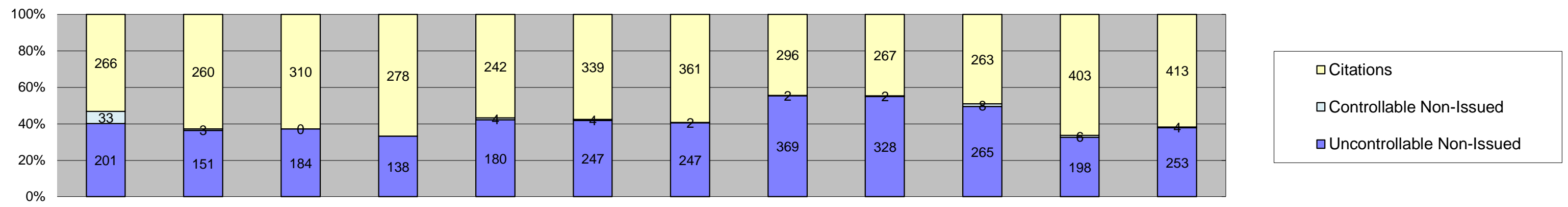
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1415: WB to NB De Soto Ave @ Victory Blvd



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	252	263	323	307	323	289	333	370	347	401	362	376	329	83%
Violations	96	115	98	112	96	109	65	69	41	24	10	1	70	17%
Total:	348	378	421	419	419	398	398	439	388	425	372	377	399	100%
Violations														
Uncontrollable Non-Issued	34	41	41	55	35	52	34	28	19	4	2	0	31	42%
Controllable Non-Issued	6	19	29	18	27	26	8	8	9	10	4	1	14	18%
Citations	56	55	28	39	34	31	23	33	13	10	4	0	30	40%
Total:	96	115	98	112	96	109	65	69	41	24	10	1	75	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	0	0	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	139	164	218	204	204	180	228	252	240	290	250	266	220	66%
Rear Axle Activation	0	1	2	0	3	1	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	112	98	103	103	116	108	105	118	107	111	112	110	109	33%
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:	252	263	323	307	323	289	333	370	347	401	362	376	331	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	1	1	0	1	1	1	0	1	0	1	0	1	2%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	2	9	0	2	1	0	0	1	2	0	1	0	3	5%
Driver Obstructed	0	1	0	0	2	3	2	0	0	0	0	0	2	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	0	0	1	3	0	0	0	3	0	0	0	0	2	5%
Glare on Windshield	0	1	6	7	9	12	4	3	0	1	0	0	5	11%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Interest of Justice- PD	2	0	0	0	0	0	0	0	0	0	0	0	2	4%
Image Quality- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Issuance Criteria Not Met- PD	0	3	0	0	0	0	0	0	0	0	0	0	3	6%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	20	20	24	38	21	29	19	13	9	1	0	0	19	41%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	2	2	2	1	0	0	0	0	1	0	0	0	2	3%
Out of State	2	4	3	3	0	1	1	4	3	1	0	0	2	5%
Plate Obstructed	1	0	1	0	1	0	0	0	0	0	0	0	1	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	1	0	0	0	0	1	2%
TSB No Hit	5	0	3	1	0	6	7	3	3	1	0	0	4	8%
Total:	34	41	41	55	35	52	34	28	19	4	2	0	47	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	0	0	1	6%
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	6	18	29	18	27	24	6	7	9	9	4	1	13	81%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Equipment Malfunction	0	1	0	0	0	1	1	1	0	1	0	0	1	6%
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	1	0	0	0	0	0	1	6%
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:	6	19	29	18	27	26	8	8	9	10	4	1	16	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	15	15	14	14	15	15	15	15	15	14	18	0	15	
Average Issued Red Seconds	14.1	11.8	11.1	13.2	12.4	12.8	11.4	8.0	15.4	8.7	1.1	0.0	11	
Citation / Violation Issuance Rate	58%	48%	29%	35%	35%	28%	35%	48%	32%	42%	40%	0%	39%	
Controllable Issuance Rate	90%	74%	49%	68%	56%	54%	74%	80%	59%	50%	50%	0%	64%	



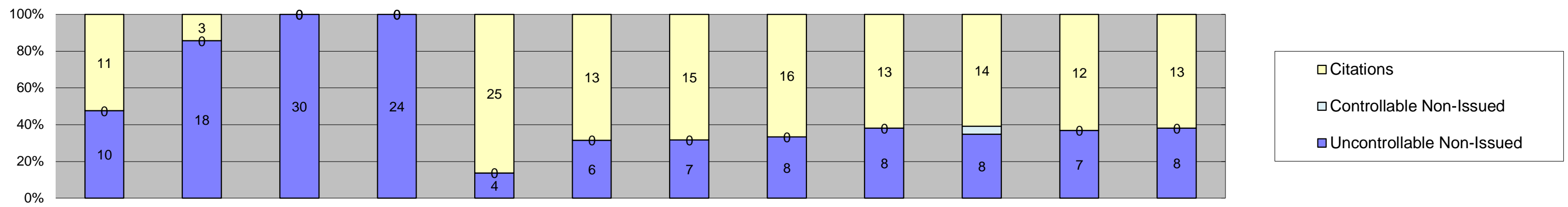
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1419: NB to EB Canoga Ave @ Vanowen St



Events	2018												Year to Date	
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Quantity	Monthly Average %
Non-Violations	572	479	641	625	626	662	686	708	682	759	714	731	657	55%
Violations	500	414	494	416	426	590	610	667	597	536	607	670	544	45%
Total:	1,072	893	1,135	1,041	1,052	1,252	1,296	1,375	1,279	1,295	1,321	1,401	1,201	100%
Violations														
Uncontrollable Non-Issued	201	151	184	138	180	247	247	369	328	265	198	253	230	42%
Controllable Non-Issued	33	3	0	0	4	4	2	2	2	8	6	4	7	1%
Citations	266	260	310	278	242	339	361	296	267	263	403	413	308	57%
Total:	500	414	494	416	426	590	610	667	597	536	607	670	545	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	2	0	0	2	1	1	1	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	1	0	0	0	0	0	0	0	0	1	1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	571	479	636	623	626	660	684	705	681	759	712	730	656	99%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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	2	2	0	0	1	2	0	0	1	0	2	0%
Total:	572	479	641	625	626	662	686	708	682	759	714	731	659	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	1	1	0	0	0	0	0	0	1	0%
Car Obstructed	2	0	0	0	3	1	0	0	2	1	1	1	2	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	12	21	4	2	0	4	4	1	3	10	0	1	6	2%
Driver Obstructed	4	2	5	3	7	5	5	8	5	8	4	3	5	2%
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	1	0	0	0	0	1	0%
Glare on Plate	3	8	3	3	6	11	10	12	14	19	11	15	10	4%
Glare on Windshield	0	1	0	1	0	0	1	0	2	1	0	1	1	0%
Illegible Plate	0	0	1	0	1	0	0	0	0	0	0	0	1	0%
Interest of Justice- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	0%
Image Quality- PD	0	0	0	0	1	1	4	0	0	0	2	0	2	1%
Issuance Criteria Not Met- PD	0	0	2	1	0	0	0	0	0	0	1	0	1	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	117	78	96	85	115	99	115	159	141	141	127	117	116	46%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	32	31	26	22	28	37	28	35	27	15	23	37	28	11%
Out of State	18	9	16	13	16	21	13	34	13	13	20	16	17	7%
Plate Obstructed	2	0	0	0	2	1	2	2	3	2	3	8	3	1%
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	1	0	0	0	0	1	4	23	48	47	3	0	18	7%
TSB No Hit	10	0	31	8	0	65	61	94	70	8	3	54	40	16%
Total:	201	151	184	138	180	247	247	369	328	265	198	253	253	100%
Controllable Non-Issued Violations														
Conduent Expire	31	0	0	0	0	0	0	0	0	0	1	0	16	58%
Clarity of Plate	0	0	0	0	0	2	1	0	0	2	2	0	2	6%
Clarity of Driver	0	0	0	0	1	0	0	0	0	0	0	0	1	4%
Dark Interior	1	0	0	0	0	1	1	0	0	1	1	1	1	4%
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	2	0	0	2	2	5	1	0	2	9%
Equipment Malfunction	0	2	0	0	0	1	0	0	0	0	0	0	2	5%
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	7%
Framing of Driver	1	0	0	0	1	0	0	0	0	0	1	0	1	4%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	1	0	0	0	0	0	0	0	0	0	1	1	4%
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:	33	3	0	0	4	4	2	2	2	8	6	4	28	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	13	13	12	13	12	11	12	12	16	12	12	11	12	
Average Issued Red Seconds	19.4	16.1	17.1	13.9	14.6	15.5	16.0	16.2	15.3	15.8	15.7	14.9	16	
Citation / Violation Issuance Rate	53%	63%	63%	67%	57%	57%	59%	44%	45%	49%	66%	62%	57%	
Controllable Issuance Rate	89%	99%	100%	100%	98%	99%	99%	99%	99%	97%	99%	99%	98%	



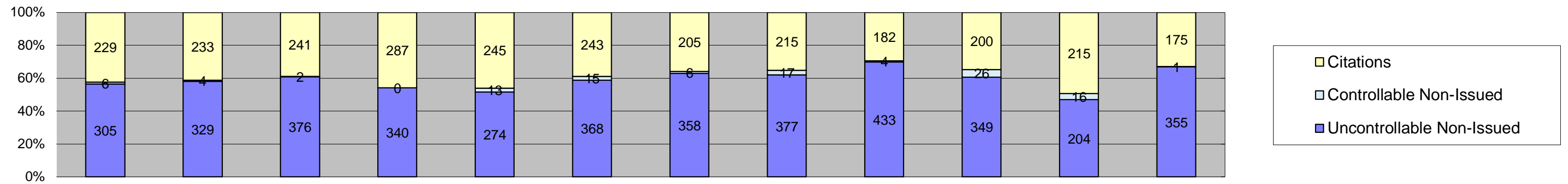
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1424: WB Sherman Way @ Busway



Events	Year to Date Monthly Average													
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Quantity	%
Non-Violations	91	70	95	94	81	87	77	85	78	79	80	71	82	78%
Violations	21	21	30	24	29	19	22	24	21	23	19	21	23	22%
Total:	112	91	125	118	110	106	99	109	99	102	99	92	105	100%
Violations														
Uncontrollable Non-Issued	10	18	30	24	4	6	7	8	8	8	7	8	12	44%
Controllable Non-Issued	0	0	0	0	0	0	0	0	0	1	0	0	1	4%
Citations	11	3	0	0	25	13	15	16	13	14	12	13	14	52%
Total:	21	21	30	24	29	19	22	24	21	23	19	21	26	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	1	4	5	6	1	5	4	3	4	1	1	3	4%
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	36	22	32	38	18	33	21	27	21	20	22	19	26	31%
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	52	47	59	51	57	53	51	54	54	55	57	51	53	65%
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:	91	70	95	94	81	87	77	85	78	79	80	71	82	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	2	0	0	0	0	0	0	0	0	0	0	2	7%
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	1	0	0	0	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	1	0	0	0	1	0	0	1	3%
Glare on Plate	0	1	0	0	0	0	0	0	0	0	0	0	1	3%
Glare on Windshield	0	1	1	0	0	0	0	2	3	2	2	2	2	6%
Illegible Plate	0	0	0	0	1	0	0	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	6	13	15	19	0	0	0	0	0	0	0	0	13	44%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	1	0	6	2	0	1	3	1	1	3	3	5	3	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	1	1	0	2	2	1	0	0	0	2	1	1	1	5%
Plate Obstructed	0	0	0	1	1	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0%
TSB No Hit	2	0	8	0	0	3	3	5	4	0	1	0	4	12%
Total:	10	18	30	24	4	6	7	8	8	8	7	8	30	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	1	0	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	1	0	0	1	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	19	20	17	23	17	19	17	21	19	19	18	19	19	19
Average Issued Red Seconds	18.0	21.4	23.7	20.4	19.5	23.6	21.7	20.6	17.4	14.3	19.5	20.7	20	20
Citation / Violation Issuance Rate	52%	14%	0%	0%	86%	68%	68%	67%	62%	61%	63%	62%	60%	60%
Controllable Issuance Rate	100%	100%	0%	0%	100%	100%	100%	100%	100%	93%	100%	100%	99%	99%



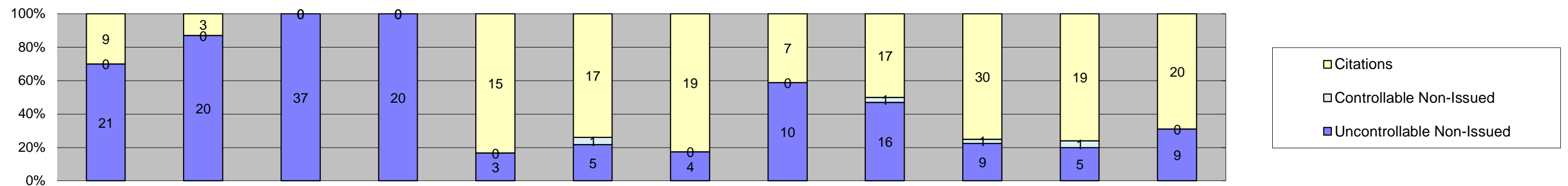
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1429: NB to EB Canoga Ave @ Sherman Way



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	953	889	1,073	1,149	1,117	1,019	966	1,127	1,014	1,164	838	1,027	1,028	64%
Violations	540	566	619	627	532	626	569	609	619	575	435	531	571	36%
Total:	1,493	1,455	1,692	1,776	1,649	1,645	1,535	1,736	1,633	1,739	1,273	1,558	1,599	100%
Violations														
Uncontrollable Non-Issued	305	329	376	340	274	368	358	377	433	349	204	355	339	59%
Controllable Non-Issued	6	4	2	0	13	15	6	17	4	26	16	1	10	2%
Citations	229	233	241	287	245	243	205	215	182	200	215	175	223	39%
Total:	540	566	619	627	532	626	569	609	619	575	435	531	572	100%
Non-Violations														
Emergency Vehicle Non-Issuable	4	0	1	2	3	3	5	2	5	0	2	1	3	0%
Emergency Vehicle PD	0	0	1	1	1	1	0	0	0	0	2	1	1	0%
Intersection Control in Progress-PD	0	0	1	0	0	0	0	0	0	0	0	1	1	0%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	944	885	1,060	1,142	1,108	1,015	953	1,120	1,005	1,163	833	1,023	1,021	99%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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	1	1	0	1	0%
Vehicle Stopped- PD	5	4	10	4	5	0	8	5	4	0	0	1	5	0%
Total:	953	889	1,073	1,149	1,117	1,019	966	1,127	1,014	1,164	838	1,027	1,032	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	1	0	0	1	0	0	0	0	1	0%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	1	0	0	0	0	0	1	0%
Car Obstructed	11	4	5	12	12	8	6	18	16	14	9	14	11	3%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	21	17	14	5	5	8	2	3	4	6	1	4	8	2%
Driver Obstructed	21	19	16	29	19	20	16	17	27	19	15	19	20	5%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	1	0	0	0	0	0	0	0	0	1	1	0%
Glare on Plate	9	14	4	10	14	14	21	19	23	40	7	24	17	5%
Glare on Windshield	1	0	3	2	5	1	9	2	3	0	1	1	3	1%
Illegible Plate	0	1	4	0	0	1	0	3	4	1	0	0	2	1%
Interest of Justice- PD	1	1	0	0	0	0	0	0	0	0	0	0	1	0%
Image Quality- PD	1	2	0	3	3	0	0	0	0	0	0	2	2	1%
Issuance Criteria Not Met- PD	0	0	2	0	0	0	0	0	0	0	0	0	2	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	102	111	112	123	102	116	119	118	127	119	91	121	113	31%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	104	135	131	114	88	102	95	78	85	62	58	87	95	26%
Out of State	14	15	27	9	18	15	11	15	19	13	8	15	15	4%
Plate Obstructed	7	10	8	13	7	8	10	7	9	21	5	15	10	3%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	1	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	0	11	51	37	5	5	22	6%
TSB No Hit	13	0	49	20	0	75	68	85	65	17	4	46	44	12%
Total:	305	329	376	340	274	368	358	377	433	349	204	355	368	100%
Controllable Non-Issued Violations														
Conduent Expire	3	0	0	0	0	0	0	1	0	0	0	0	2	8%
Clarity of Plate	0	0	0	0	3	5	2	3	0	9	8	0	5	20%
Clarity of Driver	0	0	0	0	0	3	0	0	0	0	0	0	3	12%
Dark Interior	2	4	0	0	2	0	0	1	0	0	1	0	2	8%
Data Box Related- PD	0	0	0	0	0	1	0	0	0	0	0	0	1	4%
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	7	4	0	10	4	10	7	0	7	28%
Equipment Malfunction	0	0	1	0	0	1	2	1	0	6	0	0	2	9%
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	2	0	0	0	0	0	2	6%
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	1	0	0	0	1	1	0	1	0	1	0	1	1	4%
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:	6	4	2	0	13	15	6	17	4	26	16	1	25	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	13	13	14	14	15	13	13	13	13	13	13	13	13	13
Average Issued Red Seconds	26.0	24.4	21.1	25.7	23.4	25.2	24.3	19.9	26.4	20.9	24.5	26.2	24	24
Citation / Violation Issuance Rate	42%	41%	39%	46%	46%	39%	36%	35%	29%	35%	49%	33%	39%	39%
Controllable Issuance Rate	97%	98%	99%	100%	95%	94%	97%	93%	98%	88%	93%	99%	96%	96%



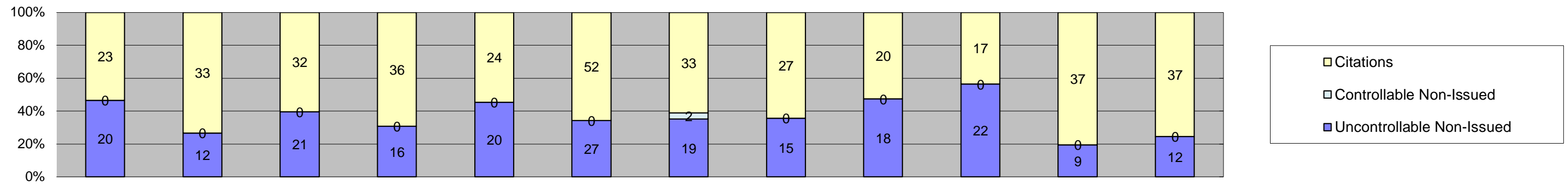
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1434: WB Valerio St @ Busway



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	152	202	105	93	94	88	90	108	101	89	98	76	108	80%
Violations	30	23	37	20	18	23	23	17	34	40	25	29	29	20%
Total:	182	225	142	113	112	111	113	125	135	129	123	105	135	100%
Violations														
Uncontrollable Non-Issued	21	20	37	20	3	5	4	10	16	9	5	9	13	44%
Controllable Non-Issued	0	0	0	0	0	1	0	0	1	1	1	0	1	3%
Citations	9	3	0	0	15	17	19	7	17	30	19	20	16	52%
Total:	30	23	37	20	18	23	23	17	34	40	25	29	30	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	0	0	0	0	1	0	0	1	0	0	0	1	1%
Emergency Vehicle PD	0	1	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	101	148	49	39	38	33	32	45	46	32	36	27	52	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	50	52	56	54	56	54	58	63	54	57	62	49	55	50%
Train Activation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Amber Time Low	0	1	0	0	0	0	0	0	0	0	0	0	1	1%
Vehicle Stopped- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total:	152	202	105	93	94	88	90	108	101	89	98	76	111	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	1	0	0	0	0	0	0	0	0	0	0	0	1	3%
Conditions Beyond Control	0	0	1	2	0	0	0	0	0	0	0	0	2	4%
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	1	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Glare on Windshield	1	0	1	0	0	1	0	0	1	1	0	0	1	3%
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	2	0	0	2	6%
Issuance Criteria Not Met- PD	15	16	32	13	0	0	0	0	0	0	0	0	19	54%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	1	3	2	4	3	0	1	2	3	3	4	4	3	8%
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	1	0	0	1	0	0	1	0	1	1	3%
Plate Obstructed	0	0	0	0	0	0	0	0	0	1	1	0	1	3%
Short Yellow- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Third Party Damage	0	1	0	0	0	0	0	0	0	0	0	0	1	3%
TSB Expired	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
TSB No Hit	3	0	1	0	0	4	2	8	11	1	0	4	4	12%
Total:	21	20	37	20	3	5	4	10	16	9	5	9	35	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	1	0	1	25%
Clarity of Driver	0	0	0	0	0	1	0	0	0	0	0	0	1	25%
Dark Interior	0	0	0	0	0	0	0	0	0	1	0	0	1	25%
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	1	0	0	0	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	1	0	0	1	1	1	0	4	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	25	24	24	24	27	23	21	24	25	25	25	27	25	25
Average Issued Red Seconds	15.3	1.0	2.5	42.5	6.7	1.9	9.7	8.3	6.5	10.0	27.8	5.4	11	11
Citation / Violation Issuance Rate	30%	13%	0%	0%	83%	74%	83%	41%	50%	75%	76%	69%	59%	59%
Controllable Issuance Rate	100%	100%	0%	0%	100%	94%	100%	100%	94%	97%	95%	100%	98%	98%



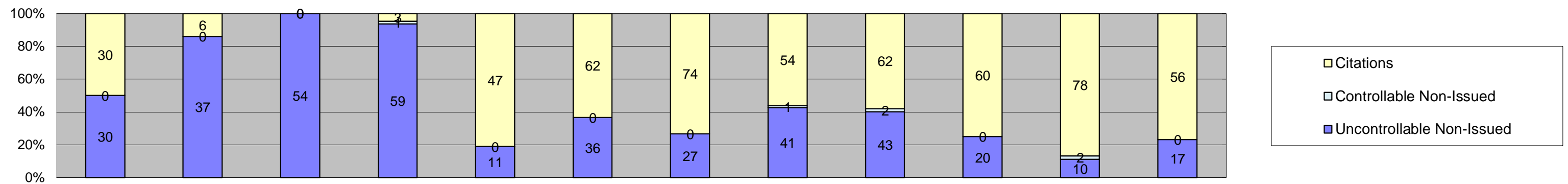
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1439: NB to EB Canoga Ave @ Valerio St



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	30	31	38	44	34	38	30	31	29	37	23	21	32	40%
Violations	43	45	53	52	44	79	54	42	38	39	46	49	49	60%
Total:	73	76	91	96	78	117	84	73	67	76	69	70	81	100%
Violations														
Uncontrollable Non-Issued	20	12	21	16	20	27	19	15	18	22	9	12	18	35%
Controllable Non-Issued	0	0	0	0	0	0	2	0	0	0	0	0	2	4%
Citations	23	33	32	36	24	52	33	27	20	17	37	37	31	61%
Total:	43	45	53	52	44	79	54	42	38	39	46	49	51	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	30	31	38	44	34	38	30	31	29	37	23	21	32	100%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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:	30	31	38	44	34	38	30	31	29	37	23	21	32	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	0	0	0	0	0	0	0	1	0	0	1	3%
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	3	1	0	0	0	0	1	1	0	1	0	0	1	5%
Driver Obstructed	0	0	0	1	0	1	1	1	0	0	0	0	1	3%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	1	0	0	0	0	0	0	0	0	0	0	0	1	3%
Glare on Plate	0	0	0	0	0	0	0	0	1	0	0	0	1	3%
Glare on Windshield	0	0	0	0	0	0	1	0	0	0	0	0	1	3%
Illegible Plate	0	0	0	0	1	0	0	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	1	0	0	0	0	0	0	0	0	1	3%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	10	8	10	13	18	13	7	5	8	12	7	4	10	31%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	2	2	4	0	0	4	1	0	1	1	0	1	2	6%
Out of State	0	1	2	1	1	2	2	1	1	0	0	2	1	5%
Plate Obstructed	2	0	0	0	0	0	0	1	0	0	2	0	2	5%
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	1	5	7	0	1	4	11%
TSB No Hit	2	0	5	0	0	7	6	5	2	0	0	4	4	14%
Total:	20	12	21	16	20	27	19	15	18	22	9	12	31	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	2	0	0	0	0	0	2	100%
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	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	2	0	0	0	0	0	2	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	9	10	10	11	11	10	11	11	11	11	12	10	11	11
Average Issued Red Seconds	18.8	15.7	13.8	12.5	12.3	14.5	9.4	12.7	13.4	14.2	13.9	10.6	13	13
Citation / Violation Issuance Rate	53%	73%	60%	69%	55%	66%	61%	64%	53%	44%	80%	76%	63%	63%
Controllable Issuance Rate	100%	100%	100%	100%	100%	100%	94%	100%	100%	100%	100%	100%	100%	100%



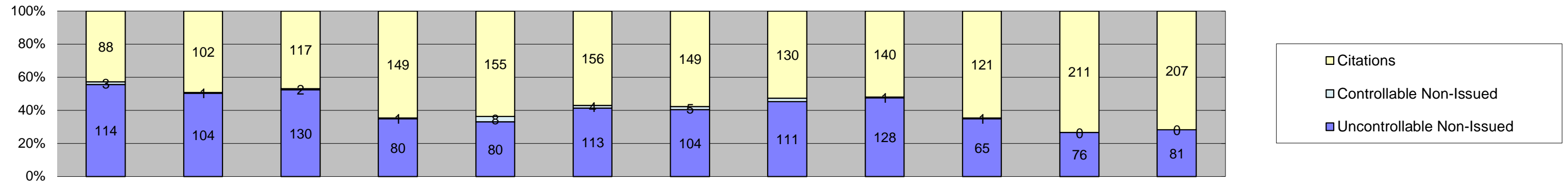
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1444: WB Saticoy St @ Busway



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	136	98	146	129	154	162	186	151	186	177	157	109	149	66%
Violations	60	43	54	63	58	98	101	96	107	80	90	73	77	34%
Total:	196	141	200	192	212	260	287	247	293	257	247	182	226	100%
Violations														
Uncontrollable Non-Issued	30	37	54	59	11	36	27	41	43	20	10	17	32	39%
Controllable Non-Issued	0	0	0	1	0	0	0	1	2	0	2	0	2	2%
Citations	30	6	0	3	47	62	74	54	62	60	78	56	48	59%
Total:	60	43	54	63	58	98	101	96	107	80	90	73	82	100%
Non-Violations														
Emergency Vehicle Non-Issuable	4	2	9	6	4	7	3	2	7	10	8	7	6	4%
Emergency Vehicle PD	0	0	0	0	0	0	0	0	1	0	0	0	1	1%
Intersection Control in Progress-PD	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Gate Down/ No Train	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Violation Occurred	81	51	80	71	95	106	131	94	124	114	95	51	91	60%
Rear Axle Activation	0	0	0	0	0	0	0	1	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	51	45	56	52	55	49	52	54	54	53	54	51	52	34%
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:	136	98	146	129	154	162	186	151	186	177	157	109	152	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	1	1	0	0	0	0	0	0	0	0	1	2%
Driver Identity Unclear	0	0	0	0	0	0	0	0	1	2	0	0	2	2%
Driver Obstructed	1	0	1	0	0	1	0	4	1	0	1	0	2	2%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	1	0	0	1	0	0	0	1	2%
Glare on Plate	0	0	0	0	0	0	0	2	0	0	0	0	2	3%
Glare on Windshield	0	0	0	1	0	0	1	1	4	3	0	0	2	3%
Illegible Plate	0	0	1	0	0	0	0	0	0	0	0	0	1	2%
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	21	34	37	46	0	0	0	0	0	0	0	0	35	52%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	5	2	7	8	6	12	10	16	9	11	7	7	8	13%
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	1	0	2	5	2	1	2	9	2	1	4	3	4%
Plate Obstructed	0	0	2	0	0	0	1	0	0	0	0	0	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	3	0	5	1	0	20	14	16	18	2	1	6	9	13%
Total:	30	37	54	59	11	36	27	41	43	20	10	17	66	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	1	1	0	1	0	1	33%
Clarity of Plate	0	0	0	1	0	0	0	0	1	0	0	0	1	33%
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	33%
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	1	0	0	0	1	2	0	2	0	3	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	30	27	29	28	26	28	28	28	28	28	26	27	28	28
Average Issued Red Seconds	5.3	3.3	4.0	5.8	7.8	5.5	6.9	6.4	7.1	4.0	7.2	7.3	6	6
Citation / Violation Issuance Rate	50%	14%	0%	5%	81%	63%	73%	56%	58%	75%	87%	77%	58%	58%
Controllable Issuance Rate	100%	100%	0%	75%	100%	100%	100%	98%	97%	100%	98%	100%	97%	97%



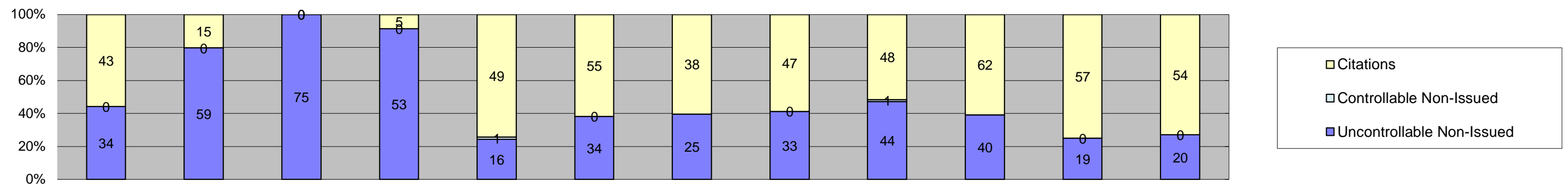
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1449: NB to EB Canoga Ave @ Saticoy St



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	391	434	373	271	293	267	240	267	238	334	319	321	312	56%
Violations	205	207	249	230	243	273	258	246	269	187	287	288	245	44%
Total:	596	641	622	501	536	540	498	513	507	521	606	609	558	100%
Violations														
Uncontrollable Non-Issued	114	104	130	80	80	113	104	111	128	65	76	81	99	40%
Controllable Non-Issued	3	1	2	1	8	4	5	5	1	1	0	0	3	1%
Citations	88	102	117	149	155	156	149	130	140	121	211	207	144	59%
Total:	205	207	249	230	243	273	258	246	269	187	287	288	246	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	1	5	2	0	1	0	1	0	2	3	1	2	1%
Emergency Vehicle PD	0	3	1	0	0	3	1	2	0	0	0	0	2	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	389	430	367	269	293	263	239	264	238	332	316	320	310	99%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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:	391	434	373	271	293	267	240	267	238	334	319	321	314	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	2	0	1	0	1	1	0	1	2	0	1	0	1	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	20	17	27	8	5	3	4	0	5	1	1	0	9	8%
Driver Obstructed	3	2	2	1	3	1	6	3	1	1	0	1	2	2%
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	6	6	10	3	0	0	1	0	0	0	0	0	5	4%
Glare on Windshield	7	14	28	2	4	7	3	8	4	0	0	0	9	7%
Illegible Plate	0	0	0	0	1	0	0	0	0	0	0	0	1	1%
Interest of Justice- PD	0	1	0	0	0	0	0	0	0	0	0	0	1	1%
Image Quality- PD	12	13	5	2	3	4	6	1	3	0	0	1	5	4%
Issuance Criteria Not Met- PD	0	0	2	0	1	0	0	0	0	0	1	0	1	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	45	40	30	45	47	41	47	42	37	29	59	42	42	35%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	5	7	10	6	8	11	9	3	2	2	5	7	6	5%
Out of State	6	4	4	5	5	3	6	12	6	4	3	7	5	5%
Plate Obstructed	1	0	1	2	2	6	0	5	7	0	2	4	3	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	1	0	0	0	0	0	0	6	29	24	1	1	10	9%
TSB No Hit	6	0	10	6	0	36	22	30	32	4	3	18	17	14%
Total:	114	104	130	80	80	113	104	111	128	65	76	81	119	100%
Controllable Non-Issued Violations														
Conduent Expire	2	0	0	0	0	0	0	0	0	0	0	0	2	18%
Clarity of Plate	0	0	0	0	3	0	1	1	0	0	0	0	2	15%
Clarity of Driver	0	0	0	0	3	1	0	0	0	0	0	0	2	18%
Dark Interior	0	1	1	0	2	3	2	4	1	0	0	0	2	18%
Data Box Related- PD	1	0	0	0	0	0	0	0	0	0	0	0	1	9%
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	1	0	0	2	0	0	0	0	0	2	13%
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	1	0	0	0	0	0	0	1	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:	3	1	2	1	8	4	5	5	1	1	0	0	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	11	11	11	11	11	11	11	11	11	11	11	12	11	11
Average Issued Red Seconds	20.1	17.4	20.5	18.6	17.9	20.8	18.9	18.1	17.6	19.5	19.3	17.3	19	19
Citation / Violation Issuance Rate	43%	49%	47%	65%	64%	57%	58%	53%	52%	65%	74%	72%	58%	58%
Controllable Issuance Rate	97%	99%	98%	99%	95%	98%	97%	96%	99%	99%	100%	100%	98%	98%



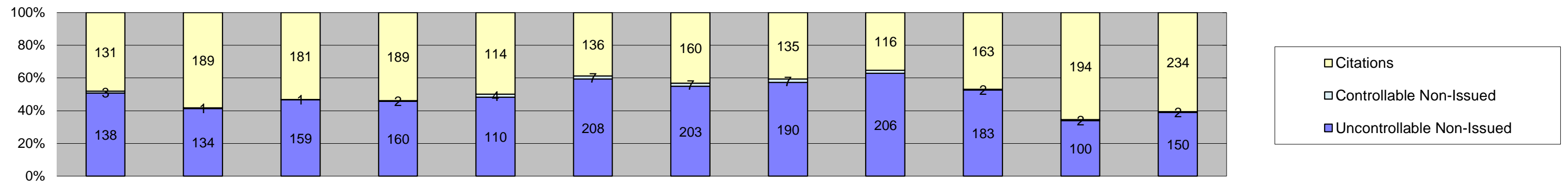
Los Angeles County MTA Orange Line
Approach Summary Report
Location 1454: WB Roscoe Blvd @ Busway



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	637	184	609	764	245	231	242	252	227	225	359	719	391	84%
Violations	77	74	75	58	66	89	63	80	93	102	76	74	77	16%
Total:	714	258	684	822	311	320	305	332	320	327	435	793	468	100%
Violations														
Uncontrollable Non-Issued	34	59	75	53	16	34	25	33	44	40	19	20	38	46%
Controllable Non-Issued	0	0	0	0	1	0	0	0	1	0	0	0	1	1%
Citations	43	15	0	5	49	55	38	47	48	62	57	54	43	53%
Total:	77	74	75	58	66	89	63	80	93	102	76	74	82	100%
Non-Violations														
Emergency Vehicle Non-Issuable	14	3	7	5	18	5	10	8	10	8	7	6	8	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	568	135	549	704	171	173	179	188	165	160	303	658	329	84%
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	55	46	53	55	56	53	53	56	52	57	49	55	53	14%
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:	637	184	609	764	245	231	242	252	227	225	359	719	391	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	1	0	0	0	1	1%
Conditions Beyond Control	0	0	4	1	0	0	0	0	0	0	0	0	3	4%
Driver Identity Unclear	0	1	0	0	0	1	1	0	2	1	0	1	1	2%
Driver Obstructed	0	0	0	0	1	1	1	0	1	3	1	0	1	2%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	1	0	1	0	0	0	1	0	1	1%
Glare on Plate	0	5	1	0	0	0	1	0	3	6	0	0	3	5%
Glare on Windshield	1	3	6	0	1	1	3	5	14	13	2	0	5	7%
Illegible Plate	0	1	0	0	0	0	0	0	0	0	0	0	1	1%
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	1	0	1	1%
Issuance Criteria Not Met- PD	17	40	44	45	0	0	0	0	0	1	0	0	29	44%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	6	7	10	3	11	9	5	11	6	8	8	6	8	11%
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	1	0	1	1	0	1	1%
Out of State	6	2	1	2	2	5	4	1	1	2	3	0	3	4%
Plate Obstructed	0	0	1	0	0	0	0	2	2	2	1	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	4	0	8	2	0	17	9	13	14	3	1	12	8	12%
Total:	34	59	75	53	16	34	25	33	44	40	19	20	67	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	1	0	0	0	0	0	0	0	1	50%
Dark Interior	0	0	0	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	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	1	0	0	0	1	0	0	0	2	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	34	30	31	35	36	37	32	32	30	31	34	34	33	33
Average Issued Red Seconds	3.9	5.8	3.1	2.8	4.8	3.1	4.8	5.5	4.7	4.4	2.8	3.5	4	4
Citation / Violation Issuance Rate	56%	20%	0%	9%	74%	62%	60%	59%	52%	61%	75%	73%	55%	55%
Controllable Issuance Rate	100%	100%	0%	100%	98%	100%	100%	100%	98%	100%	100%	100%	100%	100%



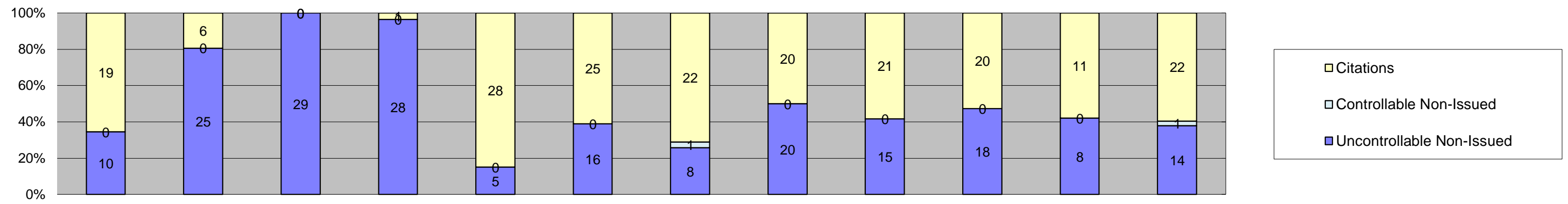
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1459: NB to EB Canoga Ave @ Roscoe Blvd



Events	Year to Date Monthly Average												Quantity	%
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18		
Non-Violations	451	431	441	431	551	498	421	472	477	533	411	435	463	59%
Violations	272	324	341	351	228	351	370	332	328	348	296	386	327	41%
Total:	723	755	782	782	779	849	791	804	805	881	707	821	790	100%
Violations														
Uncontrollable Non-Issued	138	134	159	160	110	208	203	190	206	183	100	150	162	49%
Controllable Non-Issued	3	1	1	2	4	7	7	7	6	2	2	2	4	1%
Citations	131	189	181	189	114	136	160	135	116	163	194	234	162	49%
Total:	272	324	341	351	228	351	370	332	328	348	296	386	327	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	2	2	3	2	1	2	1	3	1	1	0	2	0%
Emergency Vehicle PD	0	0	0	1	0	1	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	450	426	432	422	548	494	419	471	473	532	409	435	459	98%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Train Activatin	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Amber Time Low	0	0	0	0	1	0	0	0	1	0	0	0	1	0%
Vehicle Stopped- PD	0	3	7	5	0	2	0	0	0	0	1	0	4	1%
Total:	451	431	441	431	551	498	421	472	477	533	411	435	467	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	1	0	0	0	0	2	2	0	2	2	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	19	19	11	8	1	15	15	11	10	4	1	5	10	6%
Driver Obstructed	11	5	5	17	7	16	11	13	15	8	4	10	10	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	9	3	5	6	3	1	0	1	0	6	1	6	4	2%
Glare on Windshield	1	1	5	7	4	15	14	10	9	0	0	0	7	4%
Illegible Plate	0	0	0	0	0	0	0	1	0	1	1	1	1	1%
Interest of Justice- PD	1	0	0	0	0	0	0	0	0	0	0	1	1	1%
Image Quality- PD	3	6	5	9	9	11	13	6	3	0	1	1	6	3%
Issuance Criteria Not Met- PD	0	0	0	1	1	0	0	0	0	0	0	0	1	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	43	43	50	50	54	62	68	60	52	71	49	49	54	30%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	36	49	46	46	24	36	33	27	36	28	32	30	35	20%
Out of State	2	6	4	3	5	11	13	7	6	10	5	14	7	4%
Plate Obstructed	3	2	5	2	2	4	1	2	1	3	3	3	3	1%
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	1	0	0	0	1	14	32	47	2	0	16	9%
TSB No Hit	10	0	22	10	0	37	34	38	40	3	1	28	22	12%
Total:	138	134	159	160	110	208	203	190	206	183	100	150	180	100%
Controllable Non-Issued Violations														
Conduent Expire	1	0	0	0	0	0	0	1	0	0	0	0	1	9%
Clarity of Plate	0	0	0	0	1	4	3	0	0	0	1	0	2	20%
Clarity of Driver	0	0	0	0	1	0	0	0	0	0	0	0	1	9%
Dark Interior	1	0	0	1	0	2	2	3	3	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0%
Exposed	0	0	0	0	1	1	0	2	1	2	1	0	1	12%
Equipment Malfunction	0	0	0	0	0	0	0	0	1	0	0	1	1	9%
Framing- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Car	0	1	0	1	1	0	0	0	0	0	0	0	1	9%
Framing of Driver	0	0	0	0	0	0	0	1	0	0	0	0	1	9%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	1	0	1	0	0	0	1	1	1	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:	3	1	1	2	4	7	7	7	6	2	2	2	11	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	11	11	11	10	11	11	11	11	11	11	11	11	11	
Average Issued Red Seconds	21.3	20.1	20.0	20.0	20.2	20.1	19.9	18.5	22.6	20.0	19.0	22.1	20	
Citation / Violation Issuance Rate	48%	58%	53%	54%	50%	39%	43%	41%	35%	47%	66%	61%	50%	
Controllable Issuance Rate	98%	99%	99%	99%	97%	95%	96%	95%	95%	95%	99%	99%	98%	



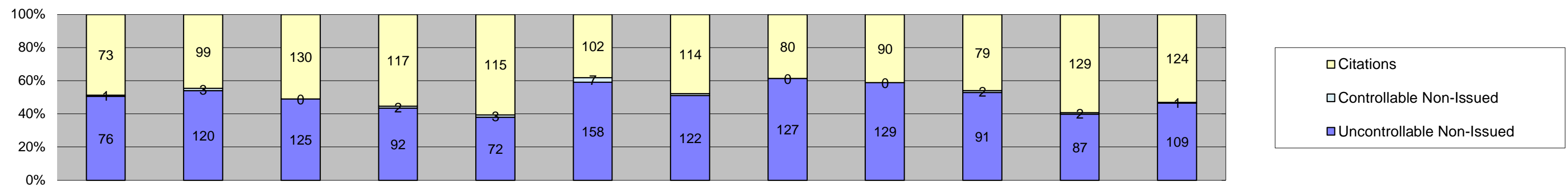
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1464: WB Parthenia St @ Canoga Ave



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	98	100	114	117	125	107	105	124	127	83	114	109	110	77%
Violations	29	31	29	29	33	41	31	40	36	38	19	37	33	23%
Total:	127	131	143	146	158	148	136	164	163	121	133	146	143	100%
Violations														
Uncontrollable Non-Issued	10	25	29	28	5	16	8	20	15	18	8	14	16	47%
Controllable Non-Issued	0	0	0	0	0	0	1	0	0	0	0	1	1	3%
Citations	19	6	0	1	28	25	22	20	21	20	11	22	18	51%
Total:	29	31	29	29	33	41	31	40	36	38	19	37	35	100%
Non-Violations														
Emergency Vehicle Non-Issuable	1	1	3	4	2	2	3	0	2	2	2	6	3	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	47	51	55	63	69	55	53	68	70	49	72	54	59	53%
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	48	56	50	54	50	49	56	55	32	40	49	49	44%
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:	98	100	114	117	125	107	105	124	127	83	114	109	110	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	1	0	0	0	0	0	0	1	3%
Conditions Beyond Control	1	0	0	1	0	0	0	0	0	0	0	0	1	3%
Driver Identity Unclear	0	0	0	0	0	0	0	1	0	2	0	0	2	4%
Driver Obstructed	0	1	0	1	0	0	1	0	0	0	0	1	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	1	0	0	1	0	0	1	3%
Glare on Plate	0	0	1	0	0	0	1	0	0	0	0	0	1	3%
Glare on Windshield	0	1	1	1	2	1	1	3	1	8	2	0	2	6%
Illegible Plate	0	0	0	0	0	0	0	0	1	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	3	20	25	19	0	0	0	0	0	0	0	0	17	44%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	3	3	0	2	2	5	2	1	3	6	6	8	4	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	0	0	0	0%
Out of State	0	0	1	1	0	2	0	0	1	0	0	3	2	4%
Plate Obstructed	0	0	0	0	1	0	0	1	0	1	0	0	1	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	0	0	0	0	0	0	0	0%
TSB No Hit	3	0	1	3	0	7	2	14	9	0	0	2	5	14%
Total:	10	25	29	28	5	16	8	20	15	18	8	14	38	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	1	0	0	0	0	1	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	1	0	0	0	0	1	1	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	33	37	36	37	34	32	33	39	34	37	39	32	35	
Average Issued Red Seconds	7.0	2.6	1.1	4.5	4.0	5.0	7.0	2.4	3.8	3.8	0.3	3.4	4	
Citation / Violation Issuance Rate	66%	19%	0%	3%	85%	61%	71%	50%	58%	53%	58%	59%	53%	
Controllable Issuance Rate	100%	100%	0%	100%	100%	100%	96%	100%	100%	100%	100%	96%	99%	



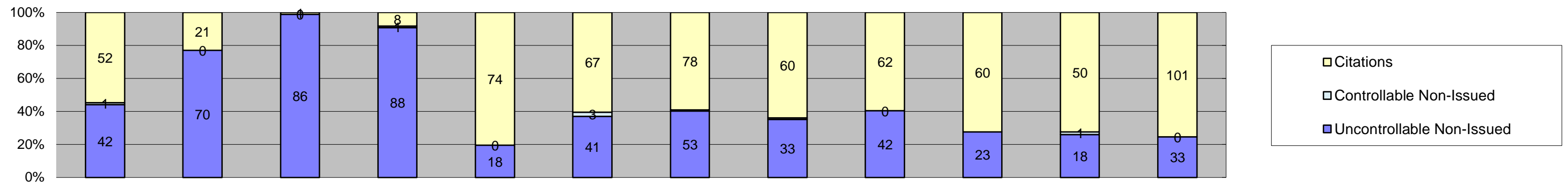
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1469: NB to EB Canoga Ave @ Parthenia St



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	135	163	196	196	206	159	160	217	185	166	169	165	176	45%
Violations	150	222	255	211	190	267	239	207	219	172	218	234	215	55%
Total:	285	385	451	407	396	426	399	424	404	338	387	399	392	100%
Violations														
Uncontrollable Non-Issued	76	120	125	92	72	158	122	127	129	91	87	109	109	50%
Controllable Non-Issued	1	3	0	2	3	7	3	0	0	2	2	1	3	1%
Citations	73	99	130	117	115	102	114	80	90	79	129	124	104	48%
Total:	150	222	255	211	190	267	239	207	219	172	218	234	216	100%
Non-Violations														
Emergency Vehicle Non-Issuable	3	1	2	1	4	1	0	0	1	1	0	0	2	1%
Emergency Vehicle PD	0	0	1	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	131	160	190	194	200	158	159	217	183	165	169	164	174	98%
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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	1	2	3	1	2	0	1	0	1	0	0	1	2	1%
Total:	135	163	196	196	206	159	160	217	185	166	169	165	178	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	1	0	0	0	0	0	1	1%
Car Obstructed	0	1	0	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	0	0	0%
Driver Identity Unclear	6	5	8	2	3	2	2	3	5	3	1	4	4	3%
Driver Obstructed	9	11	12	18	1	3	8	6	14	3	11	7	9	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	1	2	0	0	1	0	0	0	4	2	2	0	2	2%
Glare on Windshield	1	0	1	2	0	2	9	0	1	0	1	0	2	2%
Illegible Plate	0	1	0	2	0	0	0	1	1	1	0	0	1	1%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	3	1	1	3	6	4	0	0	1	0	0	3	2%
Issuance Criteria Not Met- PD	0	0	1	1	0	0	0	0	0	0	0	0	1	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	27	35	41	23	29	51	41	45	35	26	28	47	36	27%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	21	54	33	35	30	49	28	22	23	22	27	30	31	24%
Out of State	7	5	2	3	3	1	4	4	5	5	7	5	4	3%
Plate Obstructed	0	3	1	0	2	2	1	1	3	3	6	4	3	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	7	15	20	0	0	14	11%
TSB No Hit	3	0	24	5	0	42	23	40	29	2	1	15	18	14%
Total:	76	120	125	92	72	158	122	127	129	91	87	109	130	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	0	0	0	0	0	0	1	0	1	12%
Clarity of Plate	0	0	0	0	2	3	3	0	0	0	1	0	2	26%
Clarity of Driver	0	0	0	0	1	2	0	0	0	2	0	0	2	19%
Dark Interior	1	2	0	2	0	2	0	0	0	0	0	0	2	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	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	1	1	12%
Operator Error	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Framing of Plate	0	1	0	0	0	0	0	0	0	0	0	0	1	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:	1	3	0	2	3	7	3	0	0	2	2	1	9	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	10	11	11	11	11	10	10	11	11	11	10	11	11	11
Average Issued Red Seconds	15.0	14.5	12.7	13.7	14.6	13.3	13.6	13.6	13.7	14.1	13.6	14.0	14	14
Citation / Violation Issuance Rate	49%	45%	51%	55%	61%	38%	48%	39%	41%	46%	59%	53%	49%	49%
Controllable Issuance Rate	99%	97%	100%	98%	97%	94%	97%	100%	100%	98%	98%	99%	98%	98%



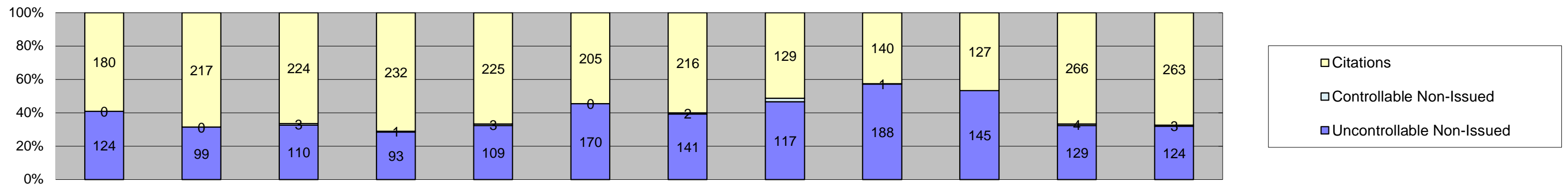
Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1474: WB Nordhoff St @ Busway



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	187	160	211	259	243	268	263	250	266	211	201	206	227	70%
Violations	95	91	87	97	92	111	132	94	104	83	69	134	99	30%
Total:	282	251	298	356	335	379	395	344	370	294	270	340	326	100%
Violations														
Uncontrollable Non-Issued	42	70	86	88	18	41	53	33	42	23	18	33	46	46%
Controllable Non-Issued	1	0	0	1	0	3	1	1	0	0	1	0	1	1%
Citations	52	21	1	8	74	67	78	60	62	60	50	101	53	53%
Total:	95	91	87	97	92	111	132	94	104	83	69	134	100	100%
Non-Violations														
Emergency Vehicle Non-Issuable	2	3	4	4	3	1	3	5	4	3	2	2	3	1%
Emergency Vehicle PD	1	0	0	0	0	0	0	0	0	0	0	0	1	0%
Intersection Control in Progress-PD	1	0	0	0	0	0	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	132	107	147	196	184	215	208	186	212	179	158	155	173	75%
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	51	50	59	59	56	52	52	59	50	29	41	49	51	22%
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	1	0	0	0	0	0	0	0	0	0	1	0%
Total:	187	160	211	259	243	268	263	250	266	211	201	206	230	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	1	0	1	0	1	2	2	2	1	2	0	1	1	2%
Conditions Beyond Control	2	6	0	5	0	0	0	0	0	0	0	0	4	5%
Driver Identity Unclear	0	0	0	0	1	2	0	2	1	1	0	0	1	2%
Driver Obstructed	2	2	3	1	1	0	0	0	2	2	2	2	2	2%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	0	0	0	0	1	1	0	0	0	0	1	1%
Glare on Plate	0	0	0	0	0	0	0	0	0	1	0	0	1	1%
Glare on Windshield	1	4	0	4	3	5	14	2	5	2	1	0	4	5%
Illegible Plate	0	0	0	0	0	0	0	0	0	0	0	1	1	1%
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	26	49	71	69	0	0	0	0	0	1	0	0	43	51%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	7	2	4	6	10	9	14	5	14	10	7	9	8	10%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	1	1	1%
Obstruction In Photo- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Out of State	1	5	1	1	2	3	4	5	6	0	7	2	3	4%
Plate Obstructed	0	2	0	0	0	1	0	0	0	0	0	0	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	2	0	0	2	2%
TSB No Hit	2	0	6	2	0	19	18	16	13	2	1	17	10	11%
Total:	42	70	86	88	18	41	53	33	42	23	18	33	85	100%
Controllable Non-Issued Violations														
Conduent Expire	1	0	0	0	0	0	0	0	0	0	0	0	1	25%
Clarity of Plate	0	0	0	0	0	1	0	0	0	0	0	0	1	25%
Clarity of Driver	0	0	0	1	0	1	0	0	0	0	0	0	1	25%
Dark Interior	0	0	0	0	0	1	1	1	0	0	1	0	1	25%
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:	1	0	0	1	0	3	1	1	0	0	1	0	4	100%
Summary Metrics														
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Issued Speed	35	36	34	30	30	29	34	32	30	31	34	31	32	32
Average Issued Red Seconds	4.7	2.3	5.3	6.4	10.9	15.7	9.7	8.3	9.6	10.6	5.8	10.4	8	8
Citation / Violation Issuance Rate	55%	23%	1%	8%	80%	60%	59%	64%	60%	72%	72%	75%	53%	53%
Controllable Issuance Rate	98%	100%	100%	89%	100%	96%	99%	98%	100%	100%	98%	100%	98%	98%



Los Angeles County MTA Orange Line
 Approach Summary Report
 Location 1479: NB to EB Canoga Ave @ Nordhoff



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	351	351	309	350	331	357	340	342	371	322	365	314	342	51%
Violations	304	316	337	326	337	375	359	251	329	272	399	390	333	49%
Total:	655	667	646	676	668	732	699	593	700	594	764	704	675	100%
Violations														
Uncontrollable Non-Issued	124	99	110	93	109	170	141	117	188	145	129	124	129	39%
Controllable Non-Issued	0	0	3	1	3	0	2	5	1	0	4	3	3	1%
Citations	180	217	224	232	225	205	216	129	140	127	266	263	202	61%
Total:	304	316	337	326	337	375	359	251	329	272	399	390	334	100%
Non-Violations														
Emergency Vehicle Non-Issuable	0	0	3	1	0	3	0	0	1	0	0	0	2	1%
Emergency Vehicle PD	0	0	0	0	0	1	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	350	351	304	346	331	353	339	341	369	322	365	311	340	98%
Rear Axle Activation	0	0	0	1	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
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	1	0	2	2	0	0	1	0	1	0	0	3	2	0%
Total:	351	351	309	350	331	357	340	342	371	322	365	314	346	100%
Uncontrollable Non-Issued Violations														
Administrative Dismissal	0	0	1	0	0	0	0	0	0	0	0	0	1	1%
Address/CDL/DOB Match Fail	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Car Obstructed	1	0	0	0	0	0	1	0	0	0	2	0	1	1%
Conditions Beyond Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Driver Identity Unclear	11	9	1	2	1	7	6	0	2	2	4	0	5	3%
Driver Obstructed	5	1	0	3	4	5	1	7	1	0	2	1	3	2%
Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Emergency Vehicle Issue	0	0	2	0	0	0	0	0	0	0	1	0	2	1%
Glare on Plate	1	3	0	1	0	1	0	0	0	0	2	2	2	1%
Glare on Windshield	1	1	0	0	2	3	4	3	1	0	0	0	2	1%
Illegible Plate	0	0	0	0	0	0	0	0	1	0	0	0	1	1%
Interest of Justice- PD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Image Quality- PD	1	0	0	1	2	1	0	0	0	0	0	0	1	1%
Issuance Criteria Not Met- PD	0	0	0	0	0	0	0	0	1	0	0	0	1	1%
No Warning Sign	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
No Plate	62	55	54	54	72	76	65	46	77	68	73	62	64	42%
No Speed Captured	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Obstruction In Photo- PD	30	25	16	20	14	15	13	12	15	15	28	19	19	12%
Out of State	7	4	10	6	12	9	7	6	7	8	4	11	8	5%
Plate Obstructed	0	1	0	1	2	3	2	1	2	5	5	3	3	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	1	9	44	36	4	0	19	12%
TSB No Hit	5	0	26	5	0	50	41	33	37	11	4	26	24	16%
Total:	124	99	110	93	109	170	141	117	188	145	129	124	153	100%
Controllable Non-Issued Violations														
Conduent Expire	0	0	0	0	1	0	0	0	0	0	0	0	1	12%
Clarity of Plate	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Clarity of Driver	0	0	1	0	2	0	0	1	0	0	0	0	1	16%
Dark Interior	0	0	1	1	0	0	1	0	0	0	3	2	2	19%
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	1	0	1	0	1	12%
Equipment Malfunction	0	0	0	0	0	0	0	4	0	0	0	1	3	30%
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	1	0	0	0	1	0	0	0	0	0	1	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:	0	0	3	1	3	0	2	5	1	0	4	3	8	100%
Summary Metrics													Year to Date Monthly Average	
Daily Average Vehicle Passes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Average Issued Speed	10	10	11	11	12	11	11	11	11	11	11	11	11	
Average Issued Red Seconds	17.1	15.0	16.8	15.3	16.7	15.8	14.8	17.2	15.7	16.4	16.0	17.2	16	
Citation / Violation Issuance Rate	59%	69%	66%	71%	67%	55%	60%	51%	43%	47%	67%	67%	60%	
Controllable Issuance Rate	100%	100%	99%	100%	99%	100%	99%	96%	99%	100%	99%	99%	99%	



**Los Angeles County MTA Orange Line
Monthly Citation Yield - By Location
December 2018**

Direction	Location	Code	Movement	Days of Enforcement	Events	Violations	Citations	Daily Yield*
NB	Tujunga Ave @ Busway	1301	Straight	31	359	126	86	2.77
SB	Tujunga Ave @ Busway	1302	Straight	31	189	34	17	0.55
EB	Oxnard St @ Buffalo Ave	1313	Straight	31	351	129	88	2.84
WB	Oxnard St @ Buffalo Ave	1314	Straight	31	309	75	46	1.48
NB	Woodman Ave @ Busway	1321	Straight	31	196	48	25	0.81
SB	Woodman Ave @ Busway	1322	Straight	31	353	187	122	3.94
NB	Kester Ave @ Busway	1331	Straight	31	213	52	35	1.13
SB	Kester Ave @ Busway	1332	Straight	31	322	138	81	2.61
NB	Sepulveda Blvd @ Busway	1341	Straight	31	454	303	152	4.90
SB	Sepulveda Blvd @ Busway	1342	Straight	31	369	170	98	3.16
NB	Woodley @ Busway	1351	Straight	31	296	161	100	3.23
SB	Woodley @ Busway	1352	Straight	31	351	190	137	4.42
NB	Balboa Blvd @ Busway	1361	Straight	31	303	133	87	2.81
SB	Balboa Blvd @ Busway	1362	Straight	31	270	132	89	2.87
NB	White Oak Ave @ Busway	1371	Straight	31	174	55	35	1.13
SB	White Oak Ave @ Busway	1372	Straight	31	396	168	107	3.45
SB	Lindley Ave @ Busway	1382	Straight	31	438	260	150	4.84
WB to NB	Lindley Ave @ Oxnard St	1385	Right	31	214	32	23	0.74
NB	Reseda Blvd @ Busway	1391	Right	31	307	148	82	2.65
SB	Reseda Blvd @ Busway	1392	Straight	31	146	15	9	0.29
SB	Mason Ave @ Busway	1402	Straight	31	413	247	172	5.55
WB to NB	Mason Ave @ Victory Blvd	1405	Right	31	930	5	0	0.00
SB	De Soto Ave @ Busway	1412	Straight	31	434	255	173	5.58
WB to NB	De Soto Ave @ Victory Blvd	1415	Right	31	377	1	0	0.00
WB	Van Owen St @ Busway	1414	Straight	31	340	206	148	4.77
NB to EB	Canoga Ave @ Vanowen St	1419	Right	31	1,401	670	413	13.32
WB	Sherman Way @ Busway	1424	Straight	31	92	21	13	0.42
NB to EB	Canoga Ave @ Sherman Way	1429	Right	31	1,558	531	175	5.65
WB	Valerio St @ Busway	1434	Straight	31	105	29	20	0.65
NB to EB	Canoga Ave @ Valerio St	1439	Right	31	70	49	37	1.19
WB	Saticoy St @ Busway	1444	Straight	31	182	73	56	1.81
NB to EB	Canoga Ave @ Saticoy St	1449	Right	31	609	288	207	6.68
WB	Roscoe Blvd @ Busway	1454	Straight	31	793	74	54	1.74
NB to EB	Canoga Ave @ Roscoe Blvd	1459	Right	31	821	386	234	7.55
WB	Parthenia St @ Busway	1464	Straight	31	146	37	22	0.71
NB to EB	Canoga Ave @ Parthenia St	1469	Right	31	399	234	124	4.00
WB	Nordhoff St @ Busway	1474	Straight	31	340	134	101	3.26
NB to EB	Canoga Ave @ Nordhoff St	1479	Right	31	704	390	263	8.48
Totals				31	15,724	6,186	3,781	121.97

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