

# Whittier 2040 General Plan Update

## City of Whittier, California

### Appendix E: Noise Data

Prepared by: MIG, Inc.

May 2021

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**Whittier 2040 General Plan Update**  
**Whittier, CA**  
**Appendix: Ambient Noise Monitoring Data**  
**Prepared by MIG, November 2020**

<b>TABLE 1: SUMMARY OF SITE ST NOISE MONITORING DATA</b>												
Date	Site	Start Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
10/20/2020	ST-1	3:40 PM	30-minutes	67.4	51.3	86.2	74.6	72.0	68.4	64.4	62.5	59.4
10/20/2020	ST-2	4:25 PM	30-minutes	61.9	41.6	81.9	73.8	66.0	57.1	51.8	50.1	46.6
10/21/2020	ST-3	2:52 PM	15-minutes	49.9	33.5	66.8	58.2	55.6	50.4	45.4	40.6	38.4
10/21/2020	ST-4	3:22 PM	15-minutes	63.0	50.1	73.5	68.4	66.5	63.8	62.0	61.0	58.3
10/21/2020	ST-5	1:35 PM	15-minutes	63.7	59.0	68.5	67.8	66.4	65.1	62.6	62.2	61.2
10/21/2020	ST-6	1:59 PM	15-minutes	69.0	57.9	77.0	76.4	72.0	69.8	67.2	66.1	63.2
10/21/2020	ST-7	1:05 PM	15-minutes	66.8	59.3	73.9	73.3	70.0	67.7	65.2	64.3	61.3
10/21/2020	ST-8	4:05 PM	15-minutes	70.7	53.7	88.5	79.9	75.7	69.8	66.1	64.3	60.8

## Summary

File Name on Meter	LxT_Data.061
File Name on PC	SLM_0003790_LxT_Data_06
Serial Number	0003790
Model	SoundExpert® LxT
Firmware Version	2.402
User	
Location	
Job Description	
Note	

## Measurement

Description	Whittier ST Day1
Start	2020-10-20 15:40:00
Stop	2020-10-20 16:55:07
Duration	01:15:07.1
Run Time	01:07:01.9
Pause	00:08:05.2
Pre Calibration	2020-10-20 15:36:31
Post Calibration	None
Calibration Deviation	---

## Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1L
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Freq. Weighting	A Weighting
OBA Max Spectrum	At LMax
Overload	122.6 A
Under Range Peak	79.2
Under Range Limit	24.3
Noise Floor	15.1

## Results

LASeq	66.1
LASE	102.1
EAS	1.816
LASpeak (max)	2020-10-20 16:52:54
LASmax	2020-10-20 15:42:38
LASmin	2020-10-20 16:21:17
SEA	-99.9

LAS > 100.0 dB (Exceedance Counts / Duration)	0
LAS > 100.0 dB (Exceedance Counts / Duration)	0
LASpeak > 120.0 dB (Exceedance Counts / Duration)	0
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0

**Community Noise** **Ldn**  
66.1

LCSeq	78.1
LASeq	66.1
LCSeq - LASeq	12.0
LALeq	67.9
LAeq	66.1
LALeq - LAeq	1.8

	<b>dB</b>
Leq	66.1
LS(max)	86.2
LS(min)	48.3
LPeak(max)	102.0

# Overloads	1.0
Overload Duration	2.1
# OBA Overloads	1.0
OBA Overload Duration	2.1

Statistics	
LAS1.66	73.2
LAS8.33	69.3
LAS25.00	66.1
LAS50.00	63.1
LAS66.66	61.0
LAS90.00	57.4

Calibration History	
Preamp	Date
Direct	2020-01-28 06:13:43
Direct	2020-01-27 13:00:51
PRMLxT1L	2020-10-20 15:36:29
PRMLxT1L	2020-09-25 11:33:12
PRMLxT1L	2020-09-25 11:07:47
PRMLxT1L	2020-09-17 15:48:23
PRMLxT1L	2020-09-17 14:13:37
PRMLxT1L	2020-09-16 11:49:47

## Summary

File Name on Meter	LxT_Data.062
File Name on PC	SLM_0003790_LxT_Data_06
Serial Number	0003790
Model	SoundExpert® LxT
Firmware Version	2.402
User	
Location	
Job Description	
Note	

## Measurement

Description	Whittier ST Day2
Start	2020-10-21 13:05:00
Stop	2020-10-21 16:20:08
Duration	01:31:06.7
Run Time	01:31:06.7
Pause	00:00:00.0
Pre Calibration	2020-10-21 12:59:13
Post Calibration	2020-10-21 16:21:28
Calibration Deviation	0.02

## Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1L
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Freq. Weighting	A Weighting
OBA Max Spectrum	At LMax
Overload	122.6 A
Under Range Peak	79.2
Under Range Limit	24.3
Noise Floor	15.1

## Results

LASeq	67.8
LASE	105.1
EAS	3.621
LASpeak (max)	2020-10-21 16:19:26
LASmax	2020-10-21 16:04:56
LASmin	2020-10-21 15:00:27
SEA	-99.9

LAS > 100.0 dB (Exceedance Counts / Duration)	0
LAS > 100.0 dB (Exceedance Counts / Duration)	0
LASpeak > 120.0 dB (Exceedance Counts / Duration)	0
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0

**Community Noise** **Ldn**  
67.8

LCSeq	77.9
LASeq	67.8
LCSeq - LASeq	10.1
LALeq	69.9
LAeq	67.6
LALeq - LAeq	2.2

	<b>dB</b>
Leq	67.6
LS(max)	90.0
LS(min)	33.5
LPeak(max)	104.7

# Overloads	0
Overload Duration	0.0
# OBA Overloads	0
OBA Overload Duration	0.0

Statistics	
LAS1.66	76.0
LAS8.33	70.0
LAS25.00	66.6
LAS50.00	63.6
LAS66.66	60.7
LAS90.00	39.5

Calibration History	
Preamp	Date
Direct	2020-01-28 06:13:43
Direct	2020-01-27 13:00:51
PRMLxT1L	2020-10-21 16:21:27
PRMLxT1L	2020-10-21 12:59:12
PRMLxT1L	2020-10-20 16:56:29
PRMLxT1L	2020-10-20 15:36:29
PRMLxT1L	2020-09-25 11:33:12
PRMLxT1L	2020-09-25 11:07:47

**Whittier 2040 General Plan Update**  
**City of Whittier, California**  
**Appendix E: Noise Data**

**Sheet 1: ADT and CNEL Comparison Tables**

<b>Table 1: ADT and CNEL Comparison</b>												
<b>Road / Segment</b>	<b>2019</b>		<b>2040 No Project</b>		<b>Net Change</b>		<b>2040 General Plan</b>		<b>Net Change (2040 NP to 2019)</b>		<b>Net Change (2040 GP to 2040 NP)</b>	
	<b>ADT</b>	<b>CNEL 50 Ft</b>	<b>ADT</b>	<b>CNEL 50 Ft</b>	<b>ADT</b>	<b>CNEL</b>	<b>ADT</b>	<b>CNEL 50 Ft</b>	<b>ADT</b>	<b>CNEL 50 Ft</b>	<b>ADT</b>	<b>CNEL 50 Ft</b>
<b>Beverly Boulevard</b>												0
West City Limit to Norwalk Blvd	38,583	72.4	39,313	71.9	730	-0.5	41,140	72.2	730	-0.5	1,827	0.3
Norwalk Blvd to Pickering Ave	34,104	72.1	33,477	71	-628	-1.1	34,959	71.2	-628	-1.1	1,483	0.2
Pickering Ave to Painter	15,426	64.8	10,066	62.9	-5,361	-1.9	11,434	62.7	-5,361	-1.9	1,368	-0.2
<b>Colima Road</b>					0	0						
North City Limit to Mar Vista St	45,527	75.4	72,827	78	27,300	2.6	73,522	78.2	27,300	2.6	695	0.2
Mar Vista St to Whittier Blvd	36,793	74.4	53,236	76.7	16,443	2.3	54,591	76.8	16,443	2.3	1,355	0.1
Whittier Blvd to Lambert Rd	29,083	71.6	32,045	73.2	2,962	1.6	32,409	73.2	2,962	1.6	364	0.0
Lambert Rd to Telegraph Rd	29,083	71.2	22,654	72	-6,429	0.8	23,223	72.0	-6,429	0.8	569	0.0
<b>Greenleaf Avenue</b>					0	0						
Beverly Blvd to Whittier Blvd	10,389	62.4	6,434	60.6	-3,955	-1.8	6,144	61.3	-3,955	-1.8	-290	0.7
Whittier Blvd to South City Limit	10,005	62.5	2,627	58.1	-7,378	-4.4	2,719	58.2	-7,378	-4.4	92	0.1

<b>Hadley Street</b>					0	0						
Whittier Blvd to Painter Ave	13,116	67.6	14,670	68	1,554	0.4	16,713	69.1	1,554	0.4	2,043	1.1
<b>Lambert Road</b>					0	0						
Washington Blvd to Santa Fe Springs Rd	24,907	70.1	24,409	70.3	-498	0.2	31,888	71.4	-498	0.2	7,479	1.1
Santa Fe Springs Rd. to Laurel Ave	24,907	70.3	28,181	70.8	3,274	0.5	30,332	71.2	3,274	0.5	2,151	0.4
Laurel Ave to Calmada Ave	26,343	71.6	30,368	72.2	4,025	0.6	32,174	72.7	4,025	0.6	1,806	0.5
Calmada Ave to Mills Ave	26,567	71.8	31,877	72.6	5,310	0.8	33,291	72.9	5,310	0.8	1,414	0.3
Mills Ave to Cole Ave	24,160	71.9	30,236	73	6,076	1.1	30,705	73.2	6,076	1.1	470	0.2
Cole Ave to Leffingwell	24,160	71.6	33,407	73.1	9,247	1.5	33,830	73.2	9,247	1.5	423	0.1
<b>Mar Vista Street</b>					0	0						
Painter Ave to Colima Rd	17,743	67	13,192	66.6	-4,552	-0.4	15,101	67.8	-4,552	-0.4	1,910	1.2
<b>Mills Ave</b>					0	0						
Whittier Blvd to Lambert Rd	14,023	67.7	22,478	70.9	8,455	3.2	23,815	71.2	8,455	3.2	1,338	0.3
Lambert Rd to Telegraph Rd	14,023	68.7	27,173	72.7	13,150	4	28,691	73.0	13,150	4	1,518	0.3
<b>Norwalk Boulevard/Workman Mill Rd</b>					0	0						
North City Limit to Beverly Blvd	23,559	71.8	30,844	72.6	7,285	0.8	32,143	72.8	7,285	0.8	1,299	0.2
Beverly Blvd to Whittier Blvd	19,672	69.9	18,959	70.6	-713	0.7	19,718	70.5	-713	0.7	759	-0.1



Whittier Blvd to Washington Blvd	22,000	69.2	24,491	68.6	2,491	-0.6	24,231	68.8	2,491	-0.6	-259	0.2
<b>Painter Avenue</b>					0	0						
Beverly Blvd to Hadley St	18,014	62.3	9,069	60.6	-8,945	-1.7	10,862	61.0	-8,945	-1.7	1,794	0.4
Hadley St to Whittier Blvd	28,283	68.6	14,239	65.8	#####	-2.8	14,720	66.2	-14,044	-2.8	482	0.4
Whittier Blvd to Lambert Rd	24,550	70	13,334	68	#####	-2	13,917	68.5	-11,216	-2	583	0.5
Lambert Rd to Telegraph Rd	35,522	71.8	19,294	69.8	#####	-2	20,523	70.3	-16,229	-2	1,229	0.5
<b>Pickering Avenue</b>					0	0						
Beverly Blvd to Whittier Blvd	8,411	62.6	8,526	60.6	115	-2	8,560	61.5	115	-2	35	0.9
<b>Santa Fe Springs Road</b>					0	0						
Whittier Blvd to South City Limit	17,812	69.3	20,788	70.2	2,976	0.9	21,256	70.2	2,976	0.9	468	0.0
<b>Santa Gertrudes Ave</b>					0	0						
Whittier Blvd to Leffingwell Rd	17,613	65.2	19,015	65.6	1,402	0.4	19,619	66.1	1,402	0.4	604	0.5
<b>Washington Blvd</b>					0	0						
West City Limit to Santa Fe Springs Rd	22,291	71.3	30,463	73.3	8,172	2	29,606	73.3	8,172	2	-857	0.0
<b>Whittier Boulevard</b>					0	0						
West City Limit to Norwalk Blvd	41,000	70.8	49,213	72.6	8,213	1.8	50,668	73.4	8,213	1.8	1,455	0.8
Norwalk Blvd to Hadley St	26,500	68.8	32,427	71.4	5,927	2.6	35,507	72.4	5,927	2.6	3,080	1.0

Hadley St to Philadelphia St	26,500	68.6	42,661	71.5	16,161	2.9	44,102	72.1	16,161	2.9	1,441	0.6
Philadelphia St to Mar Vista St	26,500	72.2	43,570	75	17,070	2.8	43,510	75.2	17,070	2.8	-60	0.2
Mar Vista St to Santa Fe Springs Rd/Washington Blvd	26,500	68.7	34,116	70.4	7,616	1.7	33,208	70.3	7,616	1.7	-908	-0.1
Santa Fe Springs Rd/Washington Blvd to Painter Ave	39,500	70.4	34,764	70.3	-4,736	-0.1	36,168	70.8	-4,736	-0.1	1,405	0.5
Painter Ave to Colima Rd	41,547	71.4	40,700	71.7	-847	0.3	41,586	71.8	-847	0.3	886	0.1
Colima Rd to 1st Ave	37,000	72.1	44,017	73.1	7,017	1	44,089	73.1	7,017	1	72	0.0
1st Ave to East City Limit	26,500	71.8	29,539	72.6	3,039	0.8	30,572	72.7	3,039	0.8	1,033	0.1
<b>Interstate 605 (with barriers)</b>					0	0						
Beverly Blvd to Whittier Blvd	248,000	66.9	255,823	67.0	7,823	0.1	255,823	67.0	7,823	0.1	0	0.0
Whittier Blvd to Washington Blvd	240,000	72.7	247,571	72.9	7,571	0.2	247,571	72.9	7,571	0.2	0	0.0

**SHEET 2: TNM Roadway Geometry Information**

<b>Table 1: TNM Roadway Geometry Information</b>							
<b>Road / Segment</b>	<b>Road Type<sup>(A)</sup></b>	<b>Road Travel Lanes<sup>(B)</sup></b>		<b>Road Width in Feet<sup>(C)</sup></b>			<b>Speed<sup>(D)</sup></b>
		<b>Total</b>	<b>Modeled</b>	<b>Total</b>	<b>Direction 1</b>	<b>Direction 2</b>	<b>MPH</b>
<b>Beverly Boulevard</b>							
West City Limit to Norwalk Blvd	Minor Arterial	4	2	80	40	40	40
Norwalk Blvd to Pickering Ave	Minor Arterial	4	2	56	28	28	40
Pickering Ave to Painter	Minor Arterial	2	2	44	22	22	30
<b>Colima Road</b>							
North City Limit to Mar Vista St	Minor Arterial	4	2	86	43	43	55
Mar Vista St to Whittier Blvd	Minor Arterial	4	2	76	38	38	45
Whittier Blvd to Lambert Rd	Minor Arterial	4	2	76	38	38	40
Lambert Rd to Telegraph Rd	Minor Arterial	2	2	44	22	22	40
<b>Greenleaf Avenue</b>							
Beverly Blvd to Whittier Blvd	Secondary St	2	2	55	28	28	30
Whittier Blvd to South City Limit	Secondary St	2	2	55	28	28	35
<b>Hadley Street</b>							
Whittier Blvd to Painter Ave	Minor Arterial	4	2	60	30	30	40
<b>Lambert Road</b>							
Washington Blvd to Santa Fe Springs Rd	Secondary St	4	2	56	28	28	40
Santa Fe Springs Rd. to Laurel Ave	Secondary St	4	2	60	30	30	40
Laurel Ave to Calmada Ave	Secondary St	4	2	60	30	30	45
Calmada Ave to Mills Ave	Secondary St	4	2	60	30	30	45
Mills Ave to Cole Ave	Secondary St	4	2	60	30	30	45
Cole Ave to Leffingwell	Minor Arterial	4	2	60	30	30	45
<b>Mar Vista Street</b>							
Painter Ave to Colima Rd	Collector St	2	2	32	16	16	35
<b>Mills Ave</b>							
Whittier Blvd to Lambert Rd	Secondary St	2	2	60	30	30	40
Lambert Rd to Telegraph Rd	Secondary St	4	2	60	30	30	40
<b>Norwalk Boulevard/Workman Mill Rd</b>							
North City Limit to Beverly Blvd	Minor Arterial	4	2	82	41	41	45
Beverly Blvd to Whittier Blvd	Minor Arterial	4	2	58	29	29	40
Whittier Blvd to Washington Blvd	Minor Arterial	4	2	74	37	37	40
<b>Painter Avenue</b>							
Beverly Blvd to Hadley St	Minor Arterial	2	2	48	24	24	25
Hadley St to Whittier Blvd	Minor Arterial	4	2	60	30	30	35
Whittier Blvd to Lambert Rd	Minor Arterial	4	2	78	39	39	40
Lambert Rd to Telegraph Rd	Minor Arterial	4	2	78	39	39	40
<b>Pickering Avenue</b>							
Beverly Blvd to Whittier Blvd	Secondary St	2	2	48	24	24	30
<b>Santa Fe Springs Road</b>							
Whittier Blvd to South City Limit	Minor Arterial	4	2	80	40	40	40
<b>Santa Gertrudes Ave</b>							
Whittier Blvd to Leffingwell Rd	Secondary St	4	2	60	30	30	30
<b>Washington Blvd</b>							
West City Limit to Santa Fe Springs Rd	Minor Arterial	4	2	78	39	39	45

**SHEET 2: TNM Roadway Geometry Information**

<b>Table 1: TNM Roadway Geometry Information</b>							
<b>Road / Segment</b>	<b>Road Type<sup>(A)</sup></b>	<b>Road Travel Lanes<sup>(B)</sup></b>		<b>Road Width in Feet<sup>(C)</sup></b>			<b>Speed<sup>(D)</sup></b>
		<b>Total</b>	<b>Modeled</b>	<b>Total</b>	<b>Direction 1</b>	<b>Direction 2</b>	<b>MPH</b>
<b>Whittier Boulevard</b>							
West City Limit to Norwalk Blvd	Major Arterial	4	2	56	28	28	35
Norwalk Blvd to Hadley St	Major Arterial	4	2	56	28	28	35
Hadley St to Philadelphia St	Major Arterial	4	2	80	40	40	35
Philadelphia St to Mar Vista St	Major Arterial	4	2	60	30	30	45
Mar Vista St to Washington Blvd	Major Arterial	4	2	120	60	60	45
Santa Fe Springs Rd/Washington Blvd to Painter Ave	Major Arterial	4	2	76	38	38	35
Painter Ave to Colima Rd	Major Arterial	4	2	76	38	38	35
Colima Rd to 1st Ave	Major Arterial	4	2	76	38	38	40
1st Ave to East City Limit	Major Arterial	4	2	76	38	38	45
<b>Interstate 605</b>							
Beverly Blvd to Whittier Blvd	Interstate	10	4	150	38	38	65

## Table Notes:

A - Road type from City's Existing Conditions Atlas (City of Whittier, 2017). The predominant road classification for the listed segment is presented. Parts of the listed segment may have a different classification.

B - Total travel lanes includes north and southbound or east and westbound travel lanes. All roads were modeled as a single lane in each direction.

C - Total road width is measured from curb to curb or edge of pavement. Width does not include any unpaved part of the right of way. Direction 1 refers to one travel direction (e.g., northbound) and direction 2 refers to the opposite travel direction (e.g., southbound). Road direction widths were set to overlap by one foot but fit within the overall road width.

D - Speed limit from City's "Speed Limit Ordinances and FAU Classifications" file (City of Whittier, 2021). Speed is based on highest posted speed limit in the modeled roadway segment.

**Whittier 2040 General Plan Update**

**City of Whittier, California**

**Appendix E: Noise Data**

**Sheet 3: 2019 Traffic Noise Contours**

Road / Segment	Estimated CNEL 50 Feet from Road Center Line <sup>(A)</sup>	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
<b>Beverly Boulevard</b>					
West City Limit to Norwalk Blvd	72.4	27	87	275	869
Norwalk Blvd to Pickering Ave	72.1	26	81	256	811
Pickering Ave to Painter	64.8	5	15	48	151
<b>Colima Road</b>					
North City Limit to Mar Vista St	75.4	55	173	548	1,734
Mar Vista St to Whittier Blvd	74.4	44	138	435	1,377
Whittier Blvd to Lambert Rd	71.6	23	72	229	723
Lambert Rd to Telegraph Rd	71.2	21	66	208	659
<b>Greenleaf Avenue</b>					
Beverly Blvd to Whittier Blvd	62.4	3	9	27	87
Whittier Blvd to South City Limit	62.5	3	9	28	89
<b>Hadley Street</b>					
Whittier Blvd to Painter Ave	67.6	9	29	91	288
<b>Lambert Road</b>					
Washington Blvd to Santa Fe Springs Rd	70.1	16	51	162	512
Santa Fe Springs Rd. to Laurel Ave	70.3	17	54	169	536
Laurel Ave to Calmada Ave	71.6	23	72	229	723
Calmada Ave to Mills Ave	71.8	24	76	239	757
Mills Ave to Cole Ave	71.9	24	77	245	774

Cole Ave to Leffingwell	71.6	23	72	229	723
<b>Mar Vista Street</b>					
Painter Ave to Colima Rd	67.0	8	25	79	251
<b>Mills Ave</b>					
Whittier Blvd to Lambert Rd	67.7	9	29	93	294
Lambert Rd to Telegraph Rd	68.7	12	37	117	371
<b>Norwalk Boulevard/Workman Mill Rd</b>					
North City Limit to Beverly Blvd	71.8	24	76	239	757
Beverly Blvd to Whittier Blvd	69.9	15	49	155	489
Whittier Blvd to Washington Blvd	69.2	13	42	132	416
<b>Painter Avenue</b>					
Beverly Blvd to Hadley St	62.3	3	8	27	85
Hadley St to Whittier Blvd	68.6	11	36	115	362
Whittier Blvd to Lambert Rd	70.0	16	50	158	500
Lambert Rd to Telegraph Rd	71.8	24	76	239	757
<b>Pickering Avenue</b>					
Beverly Blvd to Whittier Blvd	62.6	3	9	29	91
<b>Santa Fe Springs Road</b>					
Whittier Blvd to South City Limit	69.3	13	43	135	426
<b>Santa Gertrudes Ave</b>					
Whittier Blvd to Leffingwell Rd	65.2	5	17	52	166
<b>Washington Blvd</b>					
West City Limit to Santa Fe Springs Rd	71.3	21	67	213	674
<b>Whittier Boulevard</b>					
West City Limit to Norwalk Blvd	70.8	19	60	190	601
Norwalk Blvd to Hadley St	68.8	12	38	120	379

Hadley St to Philadelphia St	68.6	11	36	115	362
Philadelphia St to Mar Vista St	72.2	26	83	262	830
Mar Vista St to Washington Blvd	68.7	23	74	234	741
Santa Fe Springs Rd/Washington Blvd to Painter	70.4	17	55	173	548
Painter Ave to Colima Rd	71.4	22	69	218	690
Colima Rd to 1st Ave	72.1	26	81	256	811
1st Ave to East City Limit	71.8	24	76	239	757
<b>Interstate 605</b>					
Beverly Blvd to Whittier Blvd	66.9	23	73	232	735
Whittier Blvd to Washington Blvd	72.7	88	279	883	2,793

**SHEET 4: 2019 Road Traffic Volume Information (Percentages)**

2019 NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
West City Limit to Norwalk Blvd	41,000	76.39%	9.24%	14.37%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Norwalk Blvd to Hadley St	26,500	77.73%	9.09%	13.18%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Hadley St to Philadelphia St	26,500	78.83%	8.63%	12.54%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Philadelphia St to Mar Vista St	26,500	79.11%	8.62%	12.27%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Mar Vista St to Washington Blvd	26,500	80.71%	7.72%	11.57%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Santa Fe Springs Rd/Washington Blvd to Painter Ave	39,500	80.32%	7.97%	11.71%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Painter Ave to Colima Rd	41,547	74.70%	13.01%	12.21%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
Colima Rd to 1st Ave	37,000	81.31%	7.20%	11.50%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
1st Ave to East City Limit	26,500	81.82%	6.82%	11.36%	94%	2%	1%	3%	94%	2%	1%	3%	94%	2%	1%	3%	A,B,C,D
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	248,000	50.00%	12.50%	37.50%	87%	5%	6%	2%	87%	5%	6%	2%	87%	5%	6%	2%	
Whittier Blvd to Washington Blvd	240,000	50.00%	12.50%	37.50%	87%	5%	6%	2%	87%	5%	6%	2%	87%	5%	6%	2%	
Table Notes:																	
A - City traffic volume informaton based on modeling from the Traffic Impact Analysis for the Whittier General Plan ( Fehr and Peers, 2021). I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different individual segments within the modeled segment start and end point.																	
C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening ( 7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods																	
D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.																	



## SHEET 5: 2019 Road Traffic Volume Information (Volumes)

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
		AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	
<b>Beverly Boulevard</b>																	
West City Limit to Norwalk Blvd	38,583	26,938	665	420	723	28,746	4,616	114	72	124	4,926	4,544	112	71	122	4,849	A,B,C
Norwalk Blvd to Pickering Ave	34,104	23,923	591	373	642	25,529	2,725	67	42	73	2,908	5,311	131	83	143	5,667	A,B,D
Pickering Ave to Painter	15,426	10,652	263	166	286	11,367	1,990	49	31	53	2,124	1,813	45	28	49	1,935	A,B,D
<b>Colima Road</b>																	
North City Limit to Mar Vista St	45,527	32,004	791	499	859	34,152	4,267	105	66	115	4,553	6,393	158	100	172	6,822	A,B,C
Mar Vista St to Whittier Blvd	36,793	24,868	614	388	667	26,537	3,953	98	62	106	4,218	5,658	140	88	152	6,038	A,B,D
Whittier Blvd to Lambert Rd	29,083	20,169	498	314	541	21,523	2,916	72	45	78	3,112	4,168	103	65	112	4,448	A,B,D
Lambert Rd to Telegraph Rd	29,083	20,169	498	314	541	21,523	2,916	72	45	78	3,112	4,168	103	65	112	4,448	A,B,D
<b>Greenleaf Avenue</b>																	
Beverly Blvd to Whittier Blvd	10,389	7,471	185	116	200	7,972	1,356	33	21	36	1,447	909	22	14	24	970	A,B,D
Whittier Blvd to South City Limit	10,005	7,155	177	112	192	7,636	1,060	26	17	28	1,131	1,161	29	18	31	1,239	A,B,D

**SHEET 5: 2019 Road Traffic Volume Information (Volumes)**

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
<b>Hadley Street</b>																	
Whittier Blvd to Painter Ave	13,116	9,300	230	145	250	9,924	1,554	38	24	42	1,658	1,438	36	22	39	1,534	A,B,D
<b>Lambert Road</b>																	
Washington Blvd to Santa Fe Springs Rd	24,907	18,347	453	286	492	19,578	2,327	57	36	62	2,483	2,667	66	42	72	2,846	A,B,D
Santa Fe Springs Rd. to Laurel Ave	24,907	18,347	453	286	492	19,578	2,327	57	36	62	2,483	2,667	66	42	72	2,846	A,B,D
Laurel Ave to Calmada Ave	26,343	19,595	484	305	526	20,910	2,486	61	39	67	2,653	2,605	64	41	70	2,780	A,B,D
Calmada Ave to Mills Ave	26,567	19,674	486	307	528	20,995	2,510	62	39	67	2,678	2,712	67	42	73	2,894	A,B,D
Mills Ave to Cole Ave	24,160	17,751	438	277	476	18,942	2,313	57	36	62	2,468	2,577	64	40	69	2,750	A,B,D
Cole Ave to Leffingwell	24,160	17,751	438	277	476	18,942	2,313	57	36	62	2,468	2,577	64	40	69	2,750	A,B,D
<b>Mar Vista Street</b>																	
Painter Ave to Colima Rd	17,743	12,894	319	201	346	13,760	1,826	45	28	49	1,949	1,892	47	29	51	2,019	A,B,C
<b>Mills Ave</b>																	

**SHEET 5: 2019 Road Traffic Volume Information (Volumes)**

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
Whittier Blvd to Lambert Rd	14,023	9,695	239	151	260	10,346	1,487	37	23	40	1,587	1,959	48	31	53	2,090	A,B,D
Lambert Rd to Telegraph Rd	14,023	9,695	239	151	260	10,346	1,487	37	23	40	1,587	1,959	48	31	53	2,090	A,B,D
<b>Norwalk Boulevard/Workman Mill Rd</b>																	
North City Limit to Beverly Blvd	23,559	17,660	436	275	474	18,845	2,240	55	35	60	2,390	2,178	54	34	58	2,324	A,B,D
Beverly Blvd to Whittier Blvd	19,672	14,044	347	219	377	14,987	2,063	51	32	55	2,201	2,328	57	36	62	2,484	A,B,C
Whittier Blvd to Washington Blvd	22,000	15,934	394	248	428	17,004	2,418	60	38	65	2,580	2,264	56	35	61	2,416	A,B,D
<b>Painter Avenue</b>																	
Beverly Blvd to Hadley St	18,014	13,788	341	215	370	14,713	964	24	15	26	1,029	1,359	34	21	36	1,450	A,B,E
Hadley St to Whittier Blvd	28,283	20,405	504	318	548	21,775	3,491	86	54	94	3,725	2,608	64	41	70	2,783	A,B,C
Whittier Blvd to Lambert Rd	24,550	17,539	433	273	471	18,716	3,170	78	49	85	3,383	2,297	57	36	62	2,451	A,B,D
Lambert Rd to Telegraph Rd	35,522	25,534	631	398	685	27,248	4,671	115	73	125	4,985	3,167	78	49	85	3,379	A,B,E
<b>Pickering Avenue</b>																	

**SHEET 5: 2019 Road Traffic Volume Information (Volumes)**

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
Beverly Blvd to Whittier Blvd	8,411	5,610	139	87	151	5,987	1,124	28	18	30	1,199	1,148	28	18	31	1,225	A,B,D
<b>Santa Fe Springs Road</b>																	
Whittier Blvd to South City Limit	17,812	13,017	322	203	349	13,891	1,677	41	26	45	1,790	1,997	49	31	54	2,131	A,B,C
<b>Santa Gertrudes Ave</b>																	

## SHEET 5: 2019 Road Traffic Volume Information (Volumes)

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
Whittier Blvd to Leffingwell Rd	17,613	13,032	322	203	350	13,907	2,198	54	34	59	2,345	1,275	32	20	34	1,361	A,B,C
<b>Washington Blvd</b>																	
West City Limit to Santa Fe Springs Rd	22,291	16,441	406	256	441	17,545	2,186	54	34	59	2,333	2,261	56	35	61	2,413	A,B,D
<b>Whittier Boulevard</b>																	
West City Limit to Norwalk Blvd	41,000	29,349	725	457	788	31,319	3,552	88	55	95	3,790	5,520	136	86	148	5,891	A,B,F
Norwalk Blvd to Hadley St	26,500	19,302	477	301	518	20,598	2,258	56	35	61	2,409	3,274	81	51	88	3,493	A,B,F
Hadley St to Philadelphia St	26,500	19,576	484	305	525	20,890	2,144	53	33	58	2,288	3,114	77	49	84	3,323	A,B,F
Philadelphia St to Mar Vista St	26,500	19,646	485	306	527	20,964	2,139	53	33	57	2,283	3,048	75	48	82	3,253	A,B,F
Mar Vista St to Washington Blvd	26,500	20,043	495	312	538	21,388	1,916	47	30	51	2,045	2,874	71	45	77	3,067	A,B,F
Santa Fe Springs Rd/Washington Blvd to Painter Ave	39,500	29,730	734	463	798	31,726	2,950	73	46	79	3,148	4,335	107	68	116	4,626	A,B,F
Painter Ave to Colima Rd	41,547	29,083	718	453	780	31,035	5,066	125	79	136	5,406	4,754	117	74	128	5,073	A,B,C
Colima Rd to 1st Ave	37,000	28,192	696	439	757	30,084	2,495	62	39	67	2,662	3,986	98	62	107	4,253	A,B,F

**SHEET 5: 2019 Road Traffic Volume Information (Volumes)**

EXISTING (2019) TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
1st Ave to East City Limit	26,500	20,319	502	317	545	21,683	1,693	42	26	45	1,806	2,822	70	44	76	3,011	A,B,F
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	248,000	107,867	6,340	6,940	2,853	124,000	26,967	1,585	1,735	713	31,000	80,900	4,755	5,205	2,140	93,000	B,G
Whittier Blvd to Washington Blvd	240,000	104,387	6,136	6,717	2,761	120,000	26,097	1,534	1,679	690	30,000	78,290	4,602	5,037	2,071	90,000	B,G
Table Notes:																	
A - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary along different individual segments within the modeled segment start and end point.																	
B - Day, evening, and nighttime volumes are for the entire time period (e.g., there are 31,011 autos on Beverly Boulevard b/n West City Limit and Norwalk Blvd during the 12-hour daytime period).																	
C - Traffic volume informaton derived from road segment counts provided by Fehr and Peers (Fehr and Peers, 2020). Traffic volumes may be estimated based on one or more road segments including or adjacent to the listed segment.																	
D - City traffic volume informaton based on City of Whittier Engineering and Speed Survey ADT information (City of Whittier 2016). Traffic volumes may be estimated based on one or more road segments including or adjacent to the listed segment.																	
E - ADT estimated based on ratio of adjacent segment volumes estimated by Fehr and Peers for the 2040 Future Baseline scenario (Fehr and Peers, 2021).																	
F - ADT traffic volume information from Caltrans Engineering and Traffic Survey for State Route 72 (Caltrans, 2019). Traffic volumes may be estimated based on one or more road segments including or adjacent to the listed segment. Day, evening, and night volumes estimated using day, evening, and night traffic volume percentages provided by Fehr and Peers for the listed roadway segment under the 2040 Future Baseline scenario (Fehr and Peers, 2021).																	
G - I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	

**Whittier 2040 General Plan Update**

**City of Whittier, California**

**Appendix E: Noise Data**

**Sheet 6: 2040 No Project Traffic Noise Contours**

Road / Segment	Estimated CNEL 50 Feet from Road Center Line <sup>(A)</sup>	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
<b>Beverly Boulevard</b>					
West City Limit to Norwalk Blvd	71.9	24	77	245	774
Norwalk Blvd to Pickering Ave	71.0	20	63	199	629
Pickering Ave to Painter	62.9	3	10	31	97
<b>Colima Road</b>					
North City Limit to Mar Vista St	78.0	100	315	998	3,155
Mar Vista St to Whittier Blvd	76.7	74	234	740	2,339
Whittier Blvd to Lambert Rd	73.2	33	104	330	1,045
Lambert Rd to Telegraph Rd	72.0	25	79	251	792
<b>Greenleaf Avenue</b>					
Beverly Blvd to Whittier Blvd	60.6	2	6	18	57
Whittier Blvd to South City Limit	58.1	1	3	10	32
<b>Hadley Street</b>					
Whittier Blvd to Painter Ave	68.0	10	32	100	315
<b>Lambert Road</b>					
Washington Blvd to Santa Fe Springs Rd	70.3	17	54	169	536
Santa Fe Springs Rd. to Laurel Ave	70.8	19	60	190	601
Laurel Ave to Calmada Ave	72.2	26	83	262	830
Calmada Ave to Mills Ave	72.6	29	91	288	910
Mills Ave to Cole Ave	73.0	32	100	315	998

Cole Ave to Leffingwell	73.1	32	102	323	1,021
<b>Mar Vista Street</b>					
Painter Ave to Colima Rd	66.6	7	23	72	229
<b>Mills Ave</b>					
Whittier Blvd to Lambert Rd	70.9	19	62	195	615
Lambert Rd to Telegraph Rd	72.7	29	93	294	931
<b>Norwalk Boulevard/Workman Mill Rd</b>					
North City Limit to Beverly Blvd	72.6	29	91	288	910
Beverly Blvd to Whittier Blvd	70.6	18	57	182	574
Whittier Blvd to Washington Blvd	68.6	11	36	115	362
<b>Painter Avenue</b>					
Beverly Blvd to Hadley St	60.6	2	6	18	57
Hadley St to Whittier Blvd	65.8	6	19	60	190
Whittier Blvd to Lambert Rd	68.0	10	32	100	315
Lambert Rd to Telegraph Rd	69.8	15	48	151	477
<b>Pickering Avenue</b>					
Beverly Blvd to Whittier Blvd	60.6	2	6	18	57
<b>Santa Fe Springs Road</b>					
Whittier Blvd to South City Limit	70.2	17	52	166	524
<b>Santa Gertrudes Ave</b>					
Whittier Blvd to Leffingwell Rd	65.6	6	18	57	182
<b>Washington Blvd</b>					
West City Limit to Santa Fe Springs Rd	73.3	34	107	338	1,069
<b>Whittier Boulevard</b>					
West City Limit to Norwalk Blvd	72.6	29	91	288	910
Norwalk Blvd to Hadley St	71.4	22	69	218	690



Hadley St to Philadelphia St	71.5	22	71	223	706
Philadelphia St to Mar Vista St	75.0	50	158	500	1,581
Mar Vista St to Washington Blvd	70.4	35	110	347	1,096
Santa Fe Springs Rd/Washington Blvd to Painter	70.3	17	54	169	536
Painter Ave to Colima Rd	71.7	23	74	234	740
Colima Rd to 1st Ave	73.1	32	102	323	1,021
1st Ave to East City Limit	72.6	29	91	288	910
<b>Interstate 605</b>					
Beverly Blvd to Whittier Blvd	67.2	25	79	249	787
Whittier Blvd to Washington Blvd	70.2	50	157	497	1,571

**SHEET 7: 2040 No Project Road Traffic Volume Information (Percentages)**

FUTURE (2040) NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Beverly Boulevard</b>																	
West City Limit to Norwalk Blvd	39,313	83.31%	5.87%	10.81%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Norwalk Blvd to Pickering Ave	33,477	82.92%	6.11%	10.97%	95%	1%	1%	3%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Pickering Ave to Painter	10,066	82.11%	5.79%	12.10%	95%	2%	1%	2%	94%	2%	2%	2%	94%	2%	2%	2%	A,B,C,D
<b>Colima Road</b>																	
North City Limit to Mar Vista St	72,827	74.55%	9.96%	15.48%	94%	2%	2%	2%	94%	1%	3%	2%	91%	2%	5%	2%	A,B,C,D
Mar Vista St to Whittier Blvd	53,236	74.40%	9.72%	15.89%	94%	2%	2%	2%	93%	1%	4%	2%	90%	2%	6%	2%	A,B,C,D
Whittier Blvd to Lambert Rd	32,045	72.25%	10.24%	17.51%	94%	2%	2%	2%	93%	1%	3%	3%	91%	2%	5%	2%	A,B,C,D
Lambert Rd to Telegraph Rd	22,654	68.36%	11.34%	20.30%	94%	2%	2%	2%	93%	1%	4%	2%	90%	2%	6%	2%	A,B,C,D
<b>Greenleaf Avenue</b>																	
Beverly Blvd to Whittier Blvd	6,434	85.41%	4.27%	10.32%	95%	2%	1%	2%	95%	2%	1%	2%	93%	2%	3%	2%	A,B,C,D
Whittier Blvd to South City Limit	2,627	85.68%	4.17%	10.15%	95%	2%	1%	2%	96%	1%	1%	2%	94%	2%	2%	2%	A,B,C,D
<b>Hadley Street</b>																	
Whittier Blvd to Painter Ave	14,670	81.15%	7.07%	11.78%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
<b>Lambert Road</b>																	
Washington Blvd to Santa Fe Springs Rd	24,409	81.81%	7.40%	10.79%	94%	2%	2%	2%	94%	1%	2%	3%	92%	2%	4%	2%	A,B,C,D
Santa Fe Springs Rd. to Laurel Ave	28,181	80.70%	8.07%	11.23%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Laurel Ave to Calmada Ave	30,368	80.80%	8.08%	11.12%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Calmada Ave to Mills Ave	31,877	80.77%	7.78%	11.45%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Mills Ave to Cole Ave	30,236	79.82%	8.46%	11.72%	95%	2%	1%	2%	95%	1%	1%	3%	93%	2%	3%	2%	A,B,C,D
Cole Ave to Leffingwell	33,407	81.20%	7.46%	11.34%	95%	2%	1%	2%	95%	1%	1%	3%	93%	2%	3%	2%	A,B,C,D

**SHEET 7: 2040 No Project Road Traffic Volume Information (Percentages)**

FUTURE (2040) NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Mar Vista Street</b>																	
Painter Ave to Colima Rd	13,192	75.63%	9.83%	14.54%	95%	2%	1%	2%	95%	1%	2%	2%	93%	2%	3%	2%	A,B,C,D
<b>Mills Ave</b>																	
Whittier Blvd to Lambert Rd	22,478	75.75%	9.38%	14.87%	94%	2%	2%	2%	92%	1%	4%	3%	89%	2%	7%	2%	A,B,C,D
Lambert Rd to Telegraph Rd	27,173	75.43%	9.80%	14.77%	94%	2%	2%	2%	93%	1%	4%	2%	89%	2%	7%	2%	A,B,C,D
<b>Norwalk Boulevard/Workman Mill Rd</b>																	
North City Limit to Beverly Blvd	30,844	84.65%	5.00%	10.35%	95%	2%	1%	2%	96%	1%	1%	2%	95%	1%	1%	3%	A,B,C,D
Beverly Blvd to Whittier Blvd	18,959	86.22%	3.62%	10.15%	94%	2%	2%	2%	95%	1%	1%	3%	93%	2%	2%	3%	A,B,C,D
Whittier Blvd to Washington Blvd	24,491	85.01%	4.69%	10.30%	93%	2%	3%	2%	94%	1%	2%	3%	92%	2%	4%	2%	A,B,C,D
<b>Painter Avenue</b>																	
Beverly Blvd to Hadley St	9,069	88.15%	2.24%	9.62%	94%	2%	2%	2%	94%	1%	2%	3%	93%	2%	3%	2%	A,B,C,D
Hadley St to Whittier Blvd	14,239	83.09%	5.16%	11.76%	94%	2%	1%	3%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
Whittier Blvd to Lambert Rd	13,334	80.32%	6.59%	13.09%	95%	2%	1%	2%	94%	1%	2%	3%	93%	2%	3%	2%	A,B,C,D
Lambert Rd to Telegraph Rd	19,294	80.82%	6.71%	12.47%	94%	2%	2%	2%	94%	1%	2%	3%	93%	2%	3%	2%	A,B,C,D
<b>Pickering Avenue</b>																	
Beverly Blvd to Whittier Blvd	8,526	87.52%	3.12%	9.36%	95%	2%	1%	2%	96%	1%	1%	2%	95%	2%	1%	2%	A,B,C,D
<b>Santa Fe Springs Road</b>																	
Whittier Blvd to South City Limit	20,788	81.21%	6.90%	11.90%	94%	2%	2%	2%	94%	2%	2%	2%	93%	2%	3%	2%	A,B,C,D

**SHEET 7: 2040 No Project Road Traffic Volume Information (Percentages)**

FUTURE (2040) NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Santa Gertrudes Ave</b>																	
Whittier Blvd to Leffingwell Rd	19,015	82.91%	6.62%	10.46%	95%	2%	1%	2%	95%	1%	1%	3%	94%	2%	1%	3%	A,B,C,D
<b>Washington Blvd</b>																	
West City Limit to Santa Fe Springs Rd	30,463	75.42%	10.81%	13.77%	95%	2%	1%	2%	95%	1%	1%	3%	93%	2%	3%	2%	A,B,C,D
<b>Whittier Boulevard</b>																	
West City Limit to Norwalk Blvd	49,213	76.39%	9.24%	14.37%	91%	3%	4%	2%	93%	2%	3%	2%	92%	2%	4%	2%	A,B,C,D
Norwalk Blvd to Hadley St	32,427	77.73%	9.09%	13.18%	90%	3%	5%	2%	93%	2%	3%	2%	89%	3%	6%	2%	A,B,C,D
Hadley St to Philadelphia St	42,661	78.83%	8.63%	12.54%	92%	3%	3%	2%	94%	1%	2%	3%	92%	2%	4%	2%	A,B,C,D
Philadelphia St to Mar Vista St	43,570	79.11%	8.62%	12.27%	92%	3%	3%	2%	94%	1%	2%	3%	92%	2%	4%	2%	A,B,C,D
Mar Vista St to Washington Blvd	34,116	80.71%	7.72%	11.57%	92%	3%	3%	2%	94%	1%	2%	3%	92%	2%	4%	2%	A,B,C,D
Santa Fe Springs Rd/Washington Blvd to Painter Ave	34,764	80.32%	7.97%	11.71%	93%	2%	3%	2%	95%	1%	1%	3%	93%	2%	2%	3%	A,B,C,D
Painter Ave to Colima Rd	40,700	80.28%	7.86%	11.85%	93%	2%	3%	2%	95%	1%	1%	3%	93%	2%	3%	2%	A,B,C,D
Colima Rd to 1st Ave	44,017	81.31%	7.20%	11.50%	93%	2%	3%	2%	95%	1%	1%	3%	94%	2%	2%	2%	A,B,C,D
1st Ave to East City Limit	29,539	81.82%	6.82%	11.36%	93%	2%	3%	2%	95%	1%	1%	3%	93%	2%	3%	2%	A,B,C,D
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Table Notes:																	
A - City traffic volume informaton based on modeling from the Traffic Impact Analysis for the Whittier General Plan ( Fehr and Peers, 2021). I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different individual segments within the modeled segment start and end point.																	
C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening ( 7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods																	
D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.																	

**SHEET 8: 2040 No Project Road Traffic Volume Information (Volumes)**

FUTURE (2040) NO PROJECT TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
		AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	
<b>Beverly Boulevard</b>																	
West City Limit to Norwalk Blvd	39,313	31,011	499	411	832	32,753	2,203	27	20	59	2,309	3,982	77	85	107	4,250	A,B,C,D
Norwalk Blvd to Pickering Ave	33,477	26,362	406	283	707	27,759	1,950	25	18	52	2,045	3,460	61	58	93	3,672	A,B,C,D
Pickering Ave to Painter	10,066	7,850	124	80	211	8,265	550	9	9	15	583	1,140	23	25	31	1,218	A,B,C,D
<b>Colima Road</b>																	
North City Limit to Mar Vista St	72,827	51,014	831	1,081	1,369	54,295	6,749	101	226	181	7,256	10,181	216	606	273	11,276	A,B,C,D
Mar Vista St to Whittier Blvd	53,236	37,114	616	879	996	39,606	4,790	72	181	129	5,172	7,583	166	506	204	8,459	A,B,C,D
Whittier Blvd to Lambert Rd	32,045	21,733	359	479	583	23,154	3,060	45	95	82	3,282	5,082	107	285	136	5,610	A,B,C,D
Lambert Rd to Telegraph Rd	22,654	14,633	223	236	393	15,486	2,378	37	90	64	2,569	4,145	90	252	111	4,599	A,B,C,D
<b>Greenleaf Avenue</b>																	
Beverly Blvd to Whittier Blvd	6,434	5,209	82	64	140	5,496	261	3	3	7	275	618	13	16	17	664	A,B,C,D

Whittier Blvd to South City Limit	2,627	2,130	40	24	57	2,251	105	1	0	3	110	251	6	3	7	267	A,B,C,D
<b>Hadley Street</b>																	
Whittier Blvd to Painter Ave	14,670	11,291	177	133	303	11,905	986	13	12	26	1,037	1,620	30	34	43	1,728	A,B,C,D
<b>Lambert Road</b>																	
Washington Blvd to Santa Fe Springs Rd	24,409	18,778	343	344	504	19,968	1,706	25	29	46	1,806	2,423	60	87	65	2,635	A,B,C,D
Santa Fe Springs Rd. to Laurel Ave	28,181	21,510	351	304	577	22,742	2,163	29	24	58	2,274	2,961	58	66	79	3,165	A,B,C,D
Laurel Ave to Calmada Ave	30,368	23,200	389	327	623	24,538	2,336	31	24	63	2,454	3,164	62	65	85	3,376	A,B,C,D
Calmada Ave to Mills Ave	31,877	24,389	390	313	655	25,747	2,363	32	23	63	2,481	3,415	69	73	92	3,649	A,B,C,D
Mills Ave to Cole Ave	30,236	22,851	368	302	613	24,133	2,430	34	29	65	2,558	3,304	70	83	89	3,545	A,B,C,D
Cole Ave to Leffingwell	33,407	25,673	423	340	689	27,126	2,368	33	28	64	2,493	3,538	74	82	95	3,789	A,B,C,D
<b>Mar Vista Street</b>																	
Painter Ave to Colima Rd	13,192	9,477	142	104	254	9,977	1,227	17	20	33	1,296	1,783	32	55	48	1,918	A,B,C,D
<b>Mills Ave</b>																	

Whittier Blvd to Lambert Rd	22,478	15,955	266	378	428	17,027	1,940	31	86	52	2,109	2,972	67	223	80	3,342	A,B,C,D
Lambert Rd to Telegraph Rd	27,173	19,265	319	397	517	20,497	2,463	39	94	66	2,662	3,585	85	247	96	4,014	A,B,C,D
<b>Norwalk Boulevard/Workman Mill Rd</b>																	
North City Limit to Beverly Blvd	30,844	24,905	356	180	668	26,110	1,475	19	9	40	1,542	3,035	48	28	81	3,193	A,B,C,D
Beverly Blvd to Whittier Blvd	18,959	15,402	273	258	413	16,347	654	9	7	18	687	1,799	38	40	48	1,925	A,B,C,D
Whittier Blvd to Washington Blvd	24,491	19,317	411	573	518	20,820	1,075	17	28	29	1,148	2,320	49	90	62	2,522	A,B,C,D
<b>Painter Avenue</b>																	
Beverly Blvd to Hadley St	9,069	7,520	135	137	202	7,994	191	3	4	5	203	806	20	24	22	872	A,B,C,D
Hadley St to Whittier Blvd	14,239	11,167	190	173	300	11,830	698	10	8	19	734	1,568	31	33	42	1,674	A,B,C,D
Whittier Blvd to Lambert Rd	13,334	10,130	167	142	272	10,710	827	12	17	22	879	1,615	34	53	43	1,745	A,B,C,D
Lambert Rd to Telegraph Rd	19,294	14,645	279	277	393	15,593	1,220	19	23	33	1,295	2,228	50	68	60	2,406	A,B,C,D
<b>Pickering Avenue</b>																	
Beverly Blvd to Whittier Blvd	8,526	7,097	107	67	190	7,462	255	3	2	7	266	754	13	11	20	798	A,B,C,D

<b>Santa Fe Springs Road</b>																	
Whittier Blvd to South City Limit	20,788	15,890	295	270	426	16,882	1,345	22	30	36	1,434	2,291	52	69	61	2,473	A,B,C,D
<b>Santa Gertrudes Ave</b>																	
Whittier Blvd to Leffingwell Rd	19,015	14,954	225	186	401	15,766	1,192	16	19	32	1,259	1,879	31	28	50	1,989	A,B,C,D
<b>Washington Blvd</b>																	
West City Limit to Santa Fe Springs Rd	30,463	21,756	348	286	584	22,975	3,127	43	38	84	3,292	3,901	82	108	105	4,196	A,B,C,D
<b>Whittier Boulevard</b>																	
West City Limit to Norwalk Blvd	49,213	34,164	929	1,583	917	37,593	4,248	70	117	114	4,549	6,464	153	280	173	7,071	A,B,C,D
Norwalk Blvd to Hadley St	32,427	22,646	681	1,270	608	25,205	2,727	49	98	73	2,948	3,825	112	236	103	4,275	A,B,C,D
Hadley St to Philadelphia St	42,661	30,926	732	1,142	830	33,630	3,454	54	82	93	3,683	4,913	114	190	132	5,349	A,B,C,D
Philadelphia St to Mar Vista St	43,570	31,781	725	1,109	853	34,468	3,531	53	75	95	3,754	4,936	110	170	132	5,348	A,B,C,D
Mar Vista St to Washington Blvd	34,116	25,301	594	960	679	27,535	2,479	37	51	67	2,633	3,648	81	121	98	3,948	A,B,C,D
Santa Fe Springs Rd/Washington Blvd to Painter Ave	34,764	25,814	557	858	693	27,922	2,627	36	37	70	2,770	3,794	76	100	102	4,072	A,B,C,D



Painter Ave to Colima Rd	40,700	30,314	629	920	814	32,676	3,031	41	47	81	3,201	4,482	91	131	120	4,824	A,B,C,D
Colima Rd to 1st Ave	44,017	33,336	657	902	895	35,790	3,013	39	34	81	3,167	4,735	92	106	127	5,060	A,B,C,D
1st Ave to East City Limit	29,539	22,454	465	647	603	24,169	1,911	26	25	51	2,014	3,119	67	87	84	3,356	A,B,C,D
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A,B,C,D
<b>Table Notes:</b>																	
A - City traffic volume informaton based on modeling from the Traffic Impact Analysis for the Whittier General Plan ( Fehr and Peers, 2021) and EMFAC vehicle population information. I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different indivual segments within the modeled segment start and end point.																	
C - Day, evening, and nighttime volumes are for the entire time period (e.g., there are 31,011 autos on Beverly Boulevard b/n West City Limit and Norwalk Blvd during the 12-hour daytime period).																	

**Whittier 2040 General Plan Update**

City of Whittier, California

**Appendix E: Noise Data**

**Sheet 9: 2040 GPU Traffic Noise Contours**

Road / Segment	Estimated CNEL 50 Feet from Road Center Line <sup>(A)</sup>	Estimated Distance from Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
<b>Beverly Boulevard</b>					
West City Limit to Norwalk Blvd	72.2	26	83	262	830
Norwalk Blvd to Pickering Ave	71.2	21	66	208	659
Pickering Ave to Painter	62.7	3	9	29	93
<b>Colima Road</b>					
North City Limit to Mar Vista St	78.2	104	330	1,045	3,303
Mar Vista St to Whittier Blvd	76.8	76	239	757	2,393
Whittier Blvd to Lambert Rd	73.2	33	104	330	1,045
Lambert Rd to Telegraph Rd	72.0	25	79	251	792
<b>Greenleaf Avenue</b>					
Beverly Blvd to Whittier Blvd	61.3	2	7	21	67
Whittier Blvd to South City Limit	58.2	1	3	10	33
<b>Hadley Street</b>					
Whittier Blvd to Painter Ave	69.1	13	41	129	406
<b>Lambert Road</b>					
Washington Blvd to Santa Fe Springs Rd	71.4	22	69	218	690
Santa Fe Springs Rd. to Laurel Ave	71.2	21	66	208	659
Laurel Ave to Calmada Ave	72.7	29	93	294	931
Calmada Ave to Mills Ave	72.9	31	97	308	975
Mills Ave to Cole Ave	73.2	33	104	330	1,045

Cole Ave to Leffingwell	73.2	33	104	330	1,045
<b>Mar Vista Street</b>					
Painter Ave to Colima Rd	67.8	10	30	95	301
<b>Mills Ave</b>					
Whittier Blvd to Lambert Rd	71.2	21	66	208	659
Lambert Rd to Telegraph Rd	73.0	32	100	315	998
<b>Norwalk Boulevard/Workman Mill Rd</b>					
North City Limit to Beverly Blvd	72.8	30	95	301	953
Beverly Blvd to Whittier Blvd	70.5	18	56	177	561
Whittier Blvd to Washington Blvd	68.8	12	38	120	379
<b>Painter Avenue</b>					
Beverly Blvd to Hadley St	61.0	2	6	20	63
Hadley St to Whittier Blvd	66.2	7	21	66	208
Whittier Blvd to Lambert Rd	68.5	11	35	112	354
Lambert Rd to Telegraph Rd	70.3	17	54	169	536
<b>Pickering Avenue</b>					
Beverly Blvd to Whittier Blvd	61.5	2	7	22	71
<b>Santa Fe Springs Road</b>					
Whittier Blvd to South City Limit	70.2	17	52	166	524
<b>Santa Gertrudes Ave</b>					
Whittier Blvd to Leffingwell Rd	66.1	6	20	64	204
<b>Washington Blvd</b>					
West City Limit to Santa Fe Springs Rd	73.3	34	107	338	1,069
<b>Whittier Boulevard</b>					
West City Limit to Norwalk Blvd	73.4	35	109	346	1,094
Norwalk Blvd to Hadley St	72.4	27	87	275	869

Hadley St to Philadelphia St	72.1	26	81	256	811
Philadelphia St to Mar Vista St	75.2	52	166	524	1,656
Mar Vista St to Washington Blvd	70.3	34	107	339	1,072
Santa Fe Springs Rd/Washington Blvd to Painter	70.8	19	60	190	601
Painter Ave to Colima Rd	71.8	24	76	239	757
Colima Rd to 1st Ave	73.1	32	102	323	1,021
1st Ave to East City Limit	72.7	29	93	294	931
<b>Interstate 605</b>					
Beverly Blvd to Whittier Blvd	67.0	24	75	238	752
Whittier Blvd to Washington Blvd	72.9	92	292	925	2,925

Table Notes:

(A) CNEL values are as estimated 50 feet from the road center, excepting Whittier Blvd between Mar Vista Street and Washinton Blvd (CNEL at 100 feet) and I-605 (CNEL at 150 feet)

**SHEET 10: 2040 GPU Road Traffic Volume Information (Percentages)**

FUTURE (2040) GENERAL PLAN TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Beverly Boulevard</b>																	
West City Limit to Norwalk Blvd	41,140	84.11%	5.55%	10.35%	94.00%	2.00%	1.00%	3.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
Norwalk Blvd to Pickering Ave	34,959	83.01%	6.25%	10.74%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	94.00%	2.00%	2.00%	2.00%	A,B,C,D
Pickering Ave to Painter	11,434	81.00%	6.55%	12.45%	95.00%	1.00%	1.00%	3.00%	96.00%	1.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	A,B,C,D
<b>Colima Road</b>																	
North City Limit to Mar Vista St	73,522	74.13%	10.10%	15.77%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	90.00%	2.00%	6.00%	2.00%	A,B,C,D
Mar Vista St to Whittier Blvd	54,591	74.16%	9.89%	15.95%	94.00%	2.00%	2.00%	2.00%	93.00%	1.00%	4.00%	2.00%	90.00%	2.00%	6.00%	2.00%	A,B,C,D
Whittier Blvd to Lambert Rd	32,409	72.08%	10.27%	17.65%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	91.00%	2.00%	5.00%	2.00%	A,B,C,D
Lambert Rd to Telegraph Rd	23,223	68.32%	11.23%	20.45%	95.00%	1.00%	1.00%	3.00%	92.00%	2.00%	4.00%	2.00%	90.00%	2.00%	6.00%	2.00%	A,B,C,D
<b>Greenleaf Avenue</b>																	
Beverly Blvd to Whittier Blvd	6,144	85.90%	3.60%	10.50%	93.00%	2.00%	2.00%	3.00%	92.00%	3.00%	3.00%	2.00%	90.00%	3.00%	5.00%	2.00%	A,B,C,D
Whittier Blvd to South City Limit	2,719	87.28%	3.66%	9.06%	93.00%	2.00%	2.00%	3.00%	96.00%	1.00%	0.00%	3.00%	94.00%	2.00%	2.00%	2.00%	A,B,C,D
<b>Hadley Street</b>																	
Whittier Blvd to Painter Ave	16,713	81.95%	6.74%	11.31%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	91.00%	3.00%	4.00%	2.00%	A,B,C,D
<b>Lambert Road</b>																	
Washington Blvd to Santa Fe Springs Rd	31,888	81.61%	7.72%	10.67%	94.00%	2.00%	2.00%	2.00%	94.00%	1.00%	2.00%	3.00%	92.00%	3.00%	3.00%	2.00%	A,B,C,D
Santa Fe Springs Rd. to Laurel Ave	30,332	80.35%	8.23%	11.42%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	A,B,C,D
Laurel Ave to Calmada Ave	32,174	80.50%	8.19%	11.31%	94.00%	2.00%	1.00%	3.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	A,B,C,D
Calmada Ave to Mills Ave	33,291	80.05%	8.21%	11.74%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	A,B,C,D
Mills Ave to Cole Ave	30,705	79.00%	8.82%	12.18%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
Cole Ave to Leffingwell	33,830	80.40%	7.81%	11.79%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	A,B,C,D

**SHEET 10: 2040 GPU Road Traffic Volume Information (Percentages)**

FUTURE (2040) GENERAL PLAN TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Mar Vista Street</b>																	
Painter Ave to Colima Rd	15,101	74.25%	10.56%	15.19%	94.00%	2.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	91.00%	2.00%	5.00%	2.00%	A,B,C,D
<b>Mills Ave</b>																	
Whittier Blvd to Lambert Rd	23,815	75.91%	9.59%	14.49%	93.00%	2.00%	2.00%	3.00%	92.00%	2.00%	4.00%	2.00%	89.00%	2.00%	7.00%	2.00%	A,B,C,D
Lambert Rd to Telegraph Rd	28,691	75.17%	10.04%	14.79%	94.00%	2.00%	2.00%	2.00%	92.00%	2.00%	4.00%	2.00%	89.00%	2.00%	7.00%	2.00%	A,B,C,D
<b>Norwalk Boulevard/Workman Mill Rd</b>																	
North City Limit to Beverly Blvd	32,143	84.36%	5.30%	10.34%	95.00%	1.00%	1.00%	3.00%	95.00%	1.00%	1.00%	3.00%	95.00%	2.00%	1.00%	2.00%	A,B,C,D
Beverly Blvd to Whittier Blvd	19,718	86.82%	3.34%	9.84%	94.00%	2.00%	2.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
Whittier Blvd to Washington Blvd	24,231	85.34%	4.47%	10.19%	93.00%	2.00%	3.00%	2.00%	93.00%	2.00%	3.00%	2.00%	92.00%	2.00%	4.00%	2.00%	A,B,C,D
<b>Painter Avenue</b>																	
Beverly Blvd to Hadley St	10,862	87.27%	3.14%	9.59%	94.00%	2.00%	2.00%	2.00%	96.00%	1.00%	1.00%	2.00%	94.00%	2.00%	2.00%	2.00%	A,B,C,D
Hadley St to Whittier Blvd	14,720	83.87%	4.86%	11.27%	94.00%	2.00%	2.00%	2.00%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
Whittier Blvd to Lambert Rd	13,917	81.39%	6.09%	12.53%	93.00%	2.00%	2.00%	3.00%	93.00%	2.00%	3.00%	2.00%	91.00%	3.00%	4.00%	2.00%	A,B,C,D
Lambert Rd to Telegraph Rd	20,523	80.81%	6.96%	12.23%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	91.00%	3.00%	4.00%	2.00%	A,B,C,D
<b>Pickering Avenue</b>																	
Beverly Blvd to Whittier Blvd	8,560	87.62%	3.27%	9.11%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	2.00%	3.00%	A,B,C,D
<b>Santa Fe Springs Road</b>																	
Whittier Blvd to South City Limit	21,256	81.81%	6.62%	11.58%	94.00%	2.00%	2.00%	2.00%	94.00%	2.00%	2.00%	2.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D

**SHEET 10: 2040 GPU Road Traffic Volume Information (Percentages)**

FUTURE (2040) GENERAL PLAN TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
<b>Santa Gertrudes Ave</b>																	
Whittier Blvd to Leffingwell Rd	19,619	82.58%	6.89%	10.53%	95.00%	2.00%	1.00%	2.00%	94.00%	1.00%	2.00%	3.00%	94.00%	2.00%	2.00%	2.00%	A,B,C,D
<b>Washington Blvd</b>																	
West City Limit to Santa Fe Springs Rd	29,606	74.96%	10.71%	14.33%	95.00%	2.00%	1.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
<b>Whittier Boulevard</b>																	
West City Limit to Norwalk Blvd	50,668	76.16%	9.23%	14.61%	90.00%	3.00%	5.00%	2.00%	92.00%	2.00%	4.00%	2.00%	89.00%	3.00%	6.00%	2.00%	A,B,C,D
Norwalk Blvd to Hadley St	35,507	77.03%	9.34%	13.63%	90.00%	3.00%	5.00%	2.00%	91.00%	2.00%	5.00%	2.00%	86.00%	3.00%	9.00%	2.00%	A,B,C,D
Hadley St to Philadelphia St	44,102	78.59%	8.67%	12.73%	92.00%	3.00%	3.00%	2.00%	93.00%	2.00%	3.00%	2.00%	90.00%	3.00%	5.00%	2.00%	A,B,C,D
Philadelphia St to Mar Vista St	43,510	78.89%	8.67%	12.44%	92.00%	2.00%	4.00%	2.00%	93.00%	2.00%	3.00%	2.00%	91.00%	3.00%	4.00%	2.00%	A,B,C,D
Mar Vista St to Washington Blvd	33,208	80.79%	7.57%	11.64%	92.00%	2.00%	4.00%	2.00%	94.00%	2.00%	2.00%	3.00%	92.00%	2.00%	4.00%	2.00%	A,B,C,D
Santa Fe Springs Rd/Washington Blvd to Painter Ave	36,168	80.36%	7.89%	11.75%	93.00%	2.00%	3.00%	2.00%	94.00%	1.00%	2.00%	3.00%	92.00%	3.00%	3.00%	2.00%	A,B,C,D
Painter Ave to Colima Rd	41,586	80.50%	7.69%	11.81%	93.00%	2.00%	3.00%	2.00%	94.00%	1.00%	2.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
Colima Rd to 1st Ave	44,089	81.57%	7.06%	11.38%	93.00%	2.00%	3.00%	2.00%	95.00%	1.00%	1.00%	3.00%	94.00%	2.00%	2.00%	2.00%	A,B,C,D
1st Ave to East City Limit	30,572	82.10%	6.73%	11.17%	93.00%	2.00%	3.00%	2.00%	95.00%	1.00%	1.00%	3.00%	93.00%	2.00%	3.00%	2.00%	A,B,C,D
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	255,823	50.00%	12.50%	37.50%	87.00%	5.00%	6.00%	2.00%	87.00%	5.00%	6.00%	2.00%	87.00%	5.00%	6.00%	2.00%	A,B,C,D
Whittier Blvd to Washington Blvd	247,571	50.00%	12.50%	37.50%	87.00%	5.00%	6.00%	2.00%	87.00%	5.00%	6.00%	2.00%	87.00%	5.00%	6.00%	2.00%	A,B,C,D
Table Notes:																	
A - City traffic volume information based on modeling from the Traffic Impact Analysis for the Whittier General Plan ( Fehr and Peers, 2021). I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different individual segments within the modeled segment start and end point.																	
C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening ( 7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods																	
D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.																	

**SHEET 11: 2040 GPU Road Traffic Volume Information (Volumes)**

FUTURE (2040) GENERAL PLAN TRAFFIC VOLUMES																	
Road / Segment	ADT	DAY (7 AM to 7 PM)					EVENING (7 PM to 10 PM)					NIGHT (10 PM to 7 AM)					NOTES
		AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	AUTO	MHDT	HHDT	MCY	TOTAL	
<b>Beverly Boulevard</b>																	
West City Limit to Norwalk Blvd	41,140	32,643	572	510	876	34,601	2,165	30	30	58	2,282	3,956	85	109	106	4,256	A,B,C,D
Norwalk Blvd to Pickering Ave	34,959	27,495	447	339	738	29,019	2,072	30	27	56	2,185	3,517	70	74	94	3,756	A,B,C,D
Pickering Ave to Painter	11,434	8,838	120	67	237	9,262	715	8	6	19	749	1,350	20	17	36	1,423	A,B,C,D
<b>Colima Road</b>																	
North City Limit to Mar Vista St	73,522	51,086	874	1,169	1,371	54,500	6,872	108	259	184	7,424	10,373	242	704	278	11,597	A,B,C,D
Mar Vista St to Whittier Blvd	54,591	37,877	662	927	1,017	40,483	4,986	80	199	134	5,398	7,757	185	560	208	8,710	A,B,C,D
Whittier Blvd to Lambert Rd	32,409	21,900	376	497	588	23,360	3,093	47	104	83	3,327	5,155	117	311	138	5,722	A,B,C,D
Lambert Rd to Telegraph Rd	23,223	15,031	224	207	403	15,866	2,408	40	96	65	2,608	4,266	99	270	114	4,750	A,B,C,D
<b>Greenleaf Avenue</b>																	
Beverly Blvd to Whittier Blvd	6,144	4,935	107	104	132	5,278	203	5	8	5	221	580	20	30	16	645	A,B,C,D



Whittier Blvd to South City Limit	2,719	2,227	48	39	60	2,373	95	1	0	3	99	231	6	4	6	246	A,B,C,D
<b>Hadley Street</b>																	
Whittier Blvd to Painter Ave	16,713	12,829	270	253	344	13,696	1,049	20	30	28	1,127	1,712	50	82	46	1,890	A,B,C,D
<b>Lambert Road</b>																	
Washington Blvd to Santa Fe Springs Rd	31,888	24,491	470	406	657	26,024	2,320	37	41	62	2,460	3,128	83	109	84	3,404	A,B,C,D
Santa Fe Springs Rd. to Laurel Ave	30,332	23,042	389	320	618	24,370	2,370	34	29	64	2,497	3,230	70	78	87	3,465	A,B,C,D
Laurel Ave to Calmada Ave	32,174	24,475	425	345	657	25,901	2,503	36	29	67	2,635	3,393	75	79	91	3,638	A,B,C,D
Calmada Ave to Mills Ave	33,291	25,227	419	327	677	26,649	2,598	37	29	70	2,733	3,643	81	87	98	3,908	A,B,C,D
Mills Ave to Cole Ave	30,705	22,946	383	311	616	24,256	2,571	37	31	69	2,708	3,476	78	94	93	3,741	A,B,C,D
Cole Ave to Leffingwell	33,830	25,721	439	347	690	27,198	2,508	36	30	67	2,642	3,718	82	91	100	3,990	A,B,C,D
<b>Mar Vista Street</b>																	
Painter Ave to Colima Rd	15,101	10,567	199	163	284	11,213	1,490	24	40	40	1,594	2,069	54	115	56	2,294	A,B,C,D
<b>Mills Ave</b>																	

Whittier Blvd to Lambert Rd	23,815	16,903	307	415	454	18,079	2,100	34	94	56	2,285	3,050	75	244	82	3,451	A,B,C,D
Lambert Rd to Telegraph Rd	28,691	20,204	377	445	542	21,568	2,658	45	105	71	2,880	3,749	104	289	101	4,244	A,B,C,D
<b>Norwalk Boulevard/Workman Mill Rd</b>																	
North City Limit to Beverly Blvd	32,143	25,824	393	204	693	27,114	1,625	22	14	44	1,705	3,147	56	37	84	3,324	A,B,C,D
Beverly Blvd to Whittier Blvd	19,718	16,085	313	290	432	17,120	624	9	9	17	658	1,797	43	52	48	1,940	A,B,C,D
Whittier Blvd to Washington Blvd	24,231	19,048	454	666	511	20,679	1,007	17	32	27	1,083	2,260	53	95	61	2,469	A,B,C,D
<b>Painter Avenue</b>																	
Beverly Blvd to Hadley St	10,862	8,947	147	144	240	9,479	327	4	2	9	341	977	20	19	26	1,042	A,B,C,D
Hadley St to Whittier Blvd	14,720	11,595	227	213	311	12,346	673	11	12	18	715	1,533	38	47	41	1,659	A,B,C,D
Whittier Blvd to Lambert Rd	13,917	10,589	233	220	284	11,327	789	15	23	21	847	1,584	46	71	43	1,743	A,B,C,D
Lambert Rd to Telegraph Rd	20,523	15,433	362	376	414	16,585	1,331	24	37	36	1,428	2,284	66	99	61	2,510	A,B,C,D
<b>Pickering Avenue</b>																	
Beverly Blvd to Whittier Blvd	8,560	7,117	115	78	191	7,501	265	4	3	7	280	729	16	16	20	780	A,B,C,D

<b>Santa Fe Springs Road</b>																	
Whittier Blvd to South City Limit	21,256	16,319	333	299	438	17,389	1,316	23	32	35	1,406	2,265	58	76	61	2,460	A,B,C,D
<b>Santa Gertrudes Ave</b>																	
Whittier Blvd to Leffingwell Rd	19,619	15,319	249	221	411	16,201	1,273	19	26	34	1,352	1,937	37	40	52	2,066	A,B,C,D
<b>Washington Blvd</b>																	
West City Limit to Santa Fe Springs Rd	29,606	20,998	355	276	564	22,192	2,996	46	47	80	3,170	3,908	96	134	105	4,244	A,B,C,D
<b>Whittier Boulevard</b>																	
West City Limit to Norwalk Blvd	50,668	34,646	1,122	1,888	930	38,586	4,293	86	182	115	4,677	6,551	212	465	176	7,405	A,B,C,D
Norwalk Blvd to Hadley St	35,507	24,465	800	1,428	657	27,349	3,009	67	161	81	3,318	4,148	166	415	111	4,840	A,B,C,D
Hadley St to Philadelphia St	44,102	31,865	762	1,180	855	34,661	3,552	63	115	95	3,826	5,057	142	280	136	5,614	A,B,C,D
Philadelphia St to Mar Vista St	43,510	31,487	786	1,208	845	34,326	3,522	59	96	95	3,771	4,914	132	235	132	5,413	A,B,C,D
Mar Vista St to Washington Blvd	33,208	24,540	620	1,010	659	26,829	2,353	38	61	63	2,515	3,524	91	154	95	3,864	A,B,C,D
Santa Fe Springs Rd/Washington Blvd to Painter Ave	36,168	26,851	597	896	721	29,066	2,697	39	46	72	2,854	3,929	88	126	105	4,248	A,B,C,D

Painter Ave to Colima Rd	41,586	30,996	682	967	832	33,477	3,019	45	55	81	3,200	4,534	103	151	122	4,909	A,B,C,D
Colima Rd to 1st Ave	44,089	33,452	690	923	898	35,962	2,951	41	39	79	3,111	4,665	101	125	125	5,015	A,B,C,D
1st Ave to East City Limit	30,572	23,355	487	631	627	25,099	1,948	29	29	52	2,059	3,154	74	101	85	3,414	A,B,C,D
<b>Interstate 605</b>																	
Beverly Blvd to Whittier Blvd	255,823	111,269	6,540	7,159	2,943	127,911	27,817	1,635	1,790	736	31,978	83,452	4,905	5,369	2,207	95,934	A,B,C,D
Whittier Blvd to Washington Blvd	247,571	107,680	6,329	6,928	2,848	123,785	26,920	1,582	1,732	712	30,946	80,760	4,747	5,196	2,136	92,839	A,B,C,D
Table Notes:																	
A - City traffic volume informaton based on modeling from the Traffic Impact Analysis for the Whittier General Plan ( Fehr and Peers, 2021) and EMFAC vehicle population information. I-605 traffic volume information based on Caltrans traffic count data (Caltrans 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different indivual segments within the modeled segment start and end point.																	
C - Day, evening, and nighttime volumes are for the entire time period (e.g., there are 32,643 autos on Beverly Boulevard b/n West City Limit and Norwalk Blvd during the 12-hour daytime period).																	

Whittier 2040 General Plan Update  
 City of Whittier, California  
 Appendix E: Noise Data

Sheet 12: EMFAC Vehicle Class Distributions

TNM 3.0/EMFAC2021 VEHICLE POPULATION INFORMATION (Unadjusted)					
TNM Vehicle Type	Vehicle Class (EMFAC2007)	2019 Vehicle Population	2019 Vehicle Population %	2040 Vehicle Population	2040 Vehicle Population %
Auto	LDA	3,831,510	54.3%	3,344,805	44.2%
Auto	LDT1	347,413	4.9%	277,078	3.7%
Auto	LDT2	1,462,570	20.7%	2,019,781	26.7%
Auto	LHDT1	166,178	2.4%	243,051	3.2%
Auto	MDV	914,020	13.0%	1,200,085	15.9%
<b>Subtotal</b>		<b>6,721,691</b>	<b>95.3%</b>	<b>7,084,801</b>	<b>93.7%</b>
Medium Truck	LHDT2	36,521	0.5%	67,378	0.9%
Medium Truck	MHDT	76,660	1.1%	97,252	1.3%
Medium Truck	OBUS	6,897	0.1%	5,524	0.1%
Medium Truck	SBUS	4,295	0.1%	4,844	0.1%
<b>Subtotal</b>		<b>124,372</b>	<b>1.8%</b>	<b>174,999</b>	<b>2.3%</b>
Heavy Truck	HHDT	49,772	0.7%	84,674	1.1%
Heavy Truck	MH	23,324	0.3%	20,289	0.3%
Heavy Truck	UBUS	4,335	0.1%	5,450	0.1%
<b>Subtotal</b>		<b>77,432</b>	<b>1.1%</b>	<b>110,412</b>	<b>1.5%</b>
Motorcycle	MC	131,338	1.9%	190,132	2.5%
<b>Subtotal</b>		<b>131,338</b>	<b>1.9%</b>	<b>190,132</b>	<b>2.5%</b>
<b>TOTAL</b>		<b>7,054,833</b>	<b>100.0%</b>	<b>7,560,344</b>	<b>100.0%</b>

Table Notes:

A) EMFAC2021 raw data file is available upon request.

TNM 3.0/EMFAC2021 VEHICLE POPULATION INFORMATION (Excluding MHDT and HHDT)					
TNM Vehicle Type	Vehicle Class (EMFAC2007)	2019 Vehicle Population	2019 Vehicle Population %	2040 Vehicle Population	2040 Vehicle Population %
Auto	LDA	3,831,510	55.3%	3,344,805	45.3%
Auto	LDT1	347,413	5.0%	277,078	3.8%
Auto	LDT2	1,462,570	21.1%	2,019,781	27.4%
Auto	LHDT1	166,178	2.4%	243,051	3.3%
Auto	MDV	914,020	13.2%	1,200,085	16.3%
<b>Subtotal</b>		<b>6,721,691</b>	<b>97.0%</b>	<b>7,084,801</b>	<b>96.0%</b>
Medium Truck	LHDT2	36,521	0.5%	67,378	0.9%
Medium Truck	MHDT	0	0.0%	0	0.0%
Medium Truck	OBUS	6,897	0.1%	5,524	0.1%
Medium Truck	SBUS	4,295	0.1%	4,844	0.1%
<b>Subtotal</b>		<b>47,712</b>	<b>0.7%</b>	<b>77,747</b>	<b>1.1%</b>
Heavy Truck	HHDT	0	0.0%	0	0.0%
Heavy Truck	MH	23,324	0.3%	20,289	0.3%
Heavy Truck	UBUS	4,335	0.1%	5,450	0.1%

	<b>Subtotal</b>	<b>27,659</b>	<b>0.4%</b>	<b>25,738</b>	<b>0.3%</b>
Motorcycle	MC	131,338	1.9%	190,132	2.6%
	<b>Subtotal</b>	<b>131,338</b>	<b>1.9%</b>	<b>190,132</b>	<b>2.6%</b>
	<b>TOTAL</b>	<b>6,928,401</b>	<b>100.0%</b>	<b>7,378,418</b>	<b>100.0%</b>

Table Notes:

A) EMFAC2021 raw data file is available upon request.

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 10:37:10 PM
CASE:	Beverly Blvd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	C. Dugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update: 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Beverly 01 (WCL to Norwalk)	1	1	---	72.4	0.0	---	---	Sound Level	
Beverly 02 (Norwalk to Pickering)	2	1	---	72.1	0.0	---	---	Sound Level	
Beverly 03 (Pickering to Painter)	3	1	---	64.8	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 10:49:30 PM
CASE:	Colima Rd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Condition
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Colima Rd 01 (NCL to Mar Vista St)	1	1	---	75.5	0.0	---	---	Sound Level	
Colima Rd 02 (Mar Vista St to Whittier Blvd)	2	1	---	74.4	0.0	---	---	Sound Level	
Colima Rd 03 (Whittier Blvd to Lambert Rd)	3	1	---	71.6	0.0	---	---	Sound Level	
Colima Rd 04 (Lambert Rd to Telegraph Rd)	4	1	---	71.2	0.0	---	---	Sound Level	



REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 10:55:50 PM
CASE:	Greenleaf Rd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Condition
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Greenleaf 01 (Beverly Blvd to Whittier Blvd)	1	1	---	62.4	0.0	---	---	Sound Level	
Greenleaf 02 (Whittier Blvd to SCL)	2	1	---	64.5	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:00:35 PM
CASE:	Hadley St 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Hadley 01 (Whittier Blvd to Painter Ave)	0	0	---	67.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:08:59 PM
CASE:	Lambert Rd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Lambert 01 (Washington Blvd to Santa Fe Springs Rd)	1	1	---	70.1	0.0	---	---	Sound Level	
Lambert 02 (Santa Fe Springs Rd to Laurel Ave)	2	1	---	70.3	0.0	---	---	Sound Level	
Lambert 03 (Laurel Ave to Calmada Ave)	3	1	---	71.6	0.0	---	---	Sound Level	
Lambert 04 (Calmada Ave to Mills Ave)	4	1	---	71.8	0.0	---	---	Sound Level	
Lambert 05 (Mills Ave to Cole Ave)	5	1	---	71.9	0.0	---	---	Sound Level	
Lambert 06 (Cole Ave to Leffingwell Ave)	6	1	---	71.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:14:01 PM
CASE:	Mar Vista St 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Mar Vista St 01 (Painter Ave to Colima Rd)	1	1	---	67.0	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:19:10 PM
CASE:	Mills Ave 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Mills 01 (Whittier Blvd to Lambert Rd)	1	1	---	67.7	0.0	---	---	Sound Level	
Mills 02 (Lambert Rd to Telegraph Rd)	2	1	---	68.7	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:28:33 PM
CASE:	Norwalk Blvd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Norwalk 01 (NCL to Beverly Blvd)	2	1	---	71.8	0.0	---	---	Sound Level	
Norwalk 03 (Whittier Blvd to Washington Blvd)	2	1	---	69.9	0.0	---	---	Sound Level	
Norwalk 02 (Beverly Blvd to Whittier Blvd)	3	1	---	69.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:38:05 PM
CASE:	Painter Ave 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Painter Ave 01 (Beverly Blvd to Hadley St)	1	1	---	62.3	0.0	---	---	Sound Level	
Painter Ave 02 (Hadley St to Whittier Blvd)	2	1	---	68.6	0.0	---	---	Sound Level	
Painter Ave 03 (Whittier Blvd to Lambert Rd)	3	1	---	70.0	0.0	---	---	Sound Level	
Painter Ave 04 (Lambert Rd to Telegraph Rd)	4	1	---	71.8	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:42:21 PM
CASE:	Pickering Ave 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Pickering Ave 01 (Beverly Blvd to Whittier Blvd)	1	1	---	62.6	0.0	---	---	Sound Level	



REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:44:49 PM
CASE:	Santa Fe Springs Rd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Fe Springs 01 (Whittier Blvd to SCL)	1	1	---	69.3	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:50:03 PM
CASE:	SantaGertrudes Ave 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Gertrudes 01 (Whittier Blvd to Leffingwell Rd)	1	1	---	65.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	12 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/12/2021 11:52:46 PM
CASE:	Washington Blvd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Washington Blvd 01 (WCI to Santa Fe Springs Rd)	1	1	---	71.3	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	13 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/13/2021 12:07:21 AM
CASE:	Whittier Blvd 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Whittier Blvd 01 (WCL to Norwalk Blvd)	1	1	---	70.8	0.0	---	---	Sound Level	
Whittier Blvd 02 (Norwalk Blvd to Hadley St)	2	1	---	68.8	0.0	---	---	Sound Level	
Whittier Blvd 03 (Hadley St to Philadelphia St)	3	1	---	68.6	0.0	---	---	Sound Level	
Whittier Blvd 04 (Philadelphia St to Mar Vista St)	4	1	---	72.2	0.0	---	---	Sound Level	
Whittier Blvd 05 (Mar Vista St to Washington Blvd at 100 feet)	6	1	---	68.7	0.0	---	---	Sound Level	
Whittier Blvd 06 (Santa Fe Springs Rd/Washington Blvd to Painter Ave)	7	1	---	70.4	0.0	---	---	Sound Level	
Whittier Blvd 07 (Painter Ave to Colima Rd)	8	1	---	71.4	0.0	---	---	Sound Level	
Whittier Blvd 08 (Colima Rd to 1st Ave)	9	1	---	72.1	0.0	---	---	Sound Level	
Whittier Blvd 09 (1st Ave to ECL)	10	1	---	71.8	0.0	---	---	Sound Level	

**REPORT:** **RESULTS: SOUND-LEVEL DIAGNOSIS BY BARRIER SEGMENT**  
 TNM VERSION: 3.0.7.60002 REPORT DATE: 13 May 2021  
 CALCULATED WITH: 3.0.7.60002 CALCULATION DATE: 5/13/2021 12:20:53 AM  
 CASE: I605 19EX ORGANIZATION: MIG  
 ANALYSIS BY: CDugan PROJECT/CONTRACT: Whittier General Plan Update - 2019 Existing Conditions  
 ATMOSPHERICS: 68°F, 50% DEFAULT GROUND TYPE: Pavement

Selected Receivers		Total Lden dBA	Important Barriers Name	Important Segments		Partial Lden dBA
Name	No.			Name	No.	
I-605 (Washington Blvd to Whittier Blvd)	1	72.7	Barrier-1	Point-0	0	72.7
			Barrier-2	Point-2	0	72.7
I-605 (Whittier Blvd to Beverly Blvd)	2	66.9	Barrier-1	Point-0	0	66.9
			Barrier-2	Point-2	0	66.9

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	13 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/13/2021 12:20:53 AM
CASE:	I605 19EX	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2019 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
I-605 (Washington Blvd to Whittier Blvd)	1	1	---	80.1	0.0	---	---	Sound Level	
I-605 (Whittier Blvd to Beverly Blvd)	2	1	---	75.5	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 11:40:02 AM
CASE:	Beverly Blvd (West City Limit to Painter Ave)	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	C. Dugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier 2040 General Plan Update
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Beverly 01 (WCL to Norwalk)	1	1	---	70.7	0.0	---	---	Sound Level	
Beverly 02 (Norwalk to Pickering)	2	1	---	70.1	0.0	---	---	Sound Level	
Beverly 03 (Pickering to Painter)	3	1	---	62.3	0.0	---	---	Sound Level	

**REPORT:** INPUT TRAFFIC FOR TNM VEHICLES (Lden)  
**TNM VERSION:** 3.0.7.60002 **REPORT DATE:** 10 May 2021  
**CALCULATED WITH:** 3.0.7.60002 **CALCULATION DATE:** 5/10/2021 11:18:36 AM  
**CASE:** Beverly Blvd (West City Limit to Painter Ave) **ORGANIZATION:** MIG  
**PATH:** **ANALYSIS BY:** C. Dugan  
**CALCULATION SEQUENCE NUMBER:** **TNM SERIAL NUMBER:**  
**PROJECT/CONTRACT:** Whittier 2040 General Plan Update

Roadway Name	Road Segment		Auto				Medium Truck				Heavy Truck				Bus				Motorcycle				
	Start Point		ADT	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed
	Name	No.																					
			[Veh/24 hr]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]
Beverly Blvd EB 01	Point-0	0	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-5	3	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-9	5	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-11	6	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
Beverly Blvd WB 01	Point-14	0	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-15	1	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-19	3	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-21	4	19657	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
Beverly Blvd EB 02	Point-20	0	16738	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-21	1	16738	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
Beverly Blvd WB 02	Point-22	0	16738	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
	Point-23	1	16738	0	95	0	40	0	0	0	40	0	0	0	40	0	0	0	0	0	3	0	40
Beverly Blvd EB 03	Point-24	0	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-25	1	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-27	2	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30



Roadway Name	Road Segment		Auto				Medium Truck				Heavy Truck				Bus				Motorcycle				
	Start Point		ADT	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed	D	E	N	Speed
	Name	No.																					
			[Veh/24 hr]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]	[%]	[%]	[%]	[mph]
Beverly Blvd EB 03	Point-29	3	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-31	4	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-33	5	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
Beverly Blvd WB 03	Point-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Point-35	1	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-37	2	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-39	3	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-41	4	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30
	Point-45	6	5033	0	94	0	30	0	0	0	30	0	0	0	30	0	0	0	30	0	3	0	30

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 1:54:42 PM
CASE:	Colima Rd_40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Colima Rd 01 (NCL to Mar Vista St)	1	1	---	78.0	0.0	---	---	Sound Level	
Colima Rd 02 (Mar Vista St to Whittier Blvd)	2	1	---	76.7	0.0	---	---	Sound Level	
Colima Rd 03 (Whittier Blvd to Lambert Rd)	3	1	---	73.2	0.0	---	---	Sound Level	
Colima Rd 04 (Lambert Rd to Telegraph Rd)	4	1	---	72.0	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 3:15:18 PM
CASE:	Greenlead Rd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Greenleaf 01 (Beverly Blvd to Whittier Blvd)	1	1	---	60.6	0.0	---	---	Sound Level	
Greenleaf 02 (Whittier Blvd to SCL)	2	1	---	58.1	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 3:23:32 PM
CASE:	Hadley Rd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Hadley 01 (Whittier Blvd to Painter Ave)	1	1	---	68.0	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 4:03:23 PM
CASE:	Lambert Rd NP40	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Lambert 01 (Washington Blvd to Santa Fe Springs Rd)	1	1	---	70.3	0.0	---	---	Sound Level	
Lambert 02 (Santa Fe Springs Rd to Laurel Ave)	2	1	---	70.8	0.0	---	---	Sound Level	
Lambert 03 (Laurel Ave to Calmada Ave)	3	1	---	72.2	0.0	---	---	Sound Level	
Lambert 04 (Calmada Ave to Mills Ave)	4	1	---	72.5	0.0	---	---	Sound Level	
Lambert 05 (Mills Ave to Cole Ave)	5	1	---	73.0	0.0	---	---	Sound Level	
Lambert 06 (Cole Ave to Leffingwell Ave)	6	1	---	73.1	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 4:16:55 PM
CASE:	Mar Vista St 40 NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Mar Vista St 01 (Painter Ave to Colima Rd)	1	1	---	66.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 4:31:19 PM
CASE:	Mills Ave 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Mills 01 (Whittier Blvd to Lambert Rd)	1	1	---	70.9	0.0	---	---	Sound Level	
Mills 02 (Lambert Rd to Telegraph Rd)	2	1	---	72.7	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 5:02:56 PM
CASE:	Norwalk Blvd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Norwalk 01 (NCL to Beverly Blvd)	2	1	---	72.6	0.0	---	---	Sound Level	
Norwalk 03 (Whittier Blvd to Washington Blvd)	2	1	---	70.6	0.0	---	---	Sound Level	
Norwalk 02 (Beverly Blvd to Whittier Blvd)	3	1	---	68.6	0.0	---	---	Sound Level	



REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	10 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/10/2021 5:30:20 PM
CASE:	Painter Ave 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Painter Ave 01 (Beverly Blvd to Hadley St)	1	1	---	60.6	0.0	---	---	Sound Level	
Painter Ave 02 (Hadley St to Whittier Blvd)	2	1	---	65.8	0.0	---	---	Sound Level	
Painter Ave 03 (Whittier Blvd to Lambert Rd)	3	1	---	68.0	0.0	---	---	Sound Level	
Painter Ave 04 (Lambert Rd to Telegraph Rd)	4	1	---	69.8	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 10:04:00 AM
CASE:	Pickering Ave 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Pickering Ave 01 (Beverly Blvd to Whittier Blvd)	1	1	---	60.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 10:15:52 AM
CASE:	Santa Fe Springs Rd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Fe Springs 01 (Whittier Blvd to SCL)	1	1	---	70.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 10:24:16 AM
CASE:	Santa Gertrudes Ave NP40	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Gertrudes 01 (Whittier Blvd to Leffingwell Rd)	1	1	---	65.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 10:31:14 AM
CASE:	Washington Blvd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Washington Blvd 01 (WCI to Santa Fe Springs Rd)	1	1	---	73.3	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 2:21:54 PM
CASE:	Whittier Blvd 40NP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Whittier Blvd 01 (WCL to Norwalk Blvd)	1	1	---	72.6	0.0	---	---	Sound Level	
Whittier Blvd 02 (Norwalk Blvd to Hadley St)	2	1	---	71.4	0.0	---	---	Sound Level	
Whittier Blvd 03 (Hadley St to Philadelphia St)	3	1	---	71.5	0.0	---	---	Sound Level	
Whittier Blvd 04 (Philadelphia St to Mar Vista St)	4	1	---	75.0	0.0	---	---	Sound Level	
Whittier Blvd 05 (Mar Vista St to Washington Blvd at 100 feet)	6	1	---	70.4	0.0	---	---	Sound Level	
Whittier Blvd 06 (Santa Fe Springs Rd/Washington Blvd to Painter Ave)	7	1	---	70.3	0.0	---	---	Sound Level	
Whittier Blvd 07 (Painter Ave to Colima Rd)	8	1	---	71.7	0.0	---	---	Sound Level	
Whittier Blvd 08 (Colima Rd to 1st Ave)	9	1	---	73.1	0.0	---	---	Sound Level	
Whittier Blvd 09 (1st Ave to ECL)	10	1	---	72.6	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 12:50:37 PM
CASE:	Beverly Blvd 40GP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	C. Dugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update: 2040 General Plan Scenario
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Beverly 01 (WCL to Norwalk)	1	1	---	72.2	0.0	---	---	Sound Level	
Beverly 02 (Norwalk to Pickering)	2	1	---	71.2	0.0	---	---	Sound Level	
Beverly 03 (Pickering to Painter)	3	1	---	62.7	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:04:52 PM

CASE:

Colima Rd 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Colima Rd 01 (NCL to Mar Vista St)	1	1	---	78.2	0.0	---	---	Sound Level	
Colima Rd 02 (Mar Vista St to Whittier Blvd)	2	1	---	76.8	0.0	---	---	Sound Level	
Colima Rd 03 (Whittier Blvd to Lambert Rd)	3	1	---	73.2	0.0	---	---	Sound Level	
Colima Rd 04 (Lambert Rd to Telegraph Rd)	4	1	---	72.0	0.0	---	---	Sound Level	



REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:11:24 PM

CASE:

Greenleaf Rd 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Greenleaf 01 (Beverly Blvd to Whittier Blvd)	1	1	---	61.3	0.0	---	---	Sound Level	
Greenleaf 02 (Whittier Blvd to SCL)	2	1	---	58.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:15:17 PM

CASE:

Hadley St 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Hadley 01 (Whittier Blvd to Painter Ave)	1	1	---	69.1	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 1:23:51 PM
CASE:	Lambert Rd 40GP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 General Plan Scenario
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Lambert 01 (Washington Blvd to Santa Fe Springs Rd)	1	1	---	71.4	0.0	---	---	Sound Level	
Lambert 02 (Santa Fe Springs Rd to Laurel Ave)	2	1	---	71.2	0.0	---	---	Sound Level	
Lambert 03 (Laurel Ave to Calmada Ave)	3	1	---	72.7	0.0	---	---	Sound Level	
Lambert 04 (Calmada Ave to Mills Ave)	4	1	---	72.9	0.0	---	---	Sound Level	
Lambert 05 (Mills Ave to Cole Ave)	5	1	---	73.2	0.0	---	---	Sound Level	
Lambert 06 (Cole Ave to Leffingwell Ave)	6	1	---	73.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:26:51 PM

CASE:

Mar Vista St 40 GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Mar Vista St 01 (Painter Ave to Colima Rd)	1	1	---	67.8	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:31:29 PM

CASE:

Mills Ave 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Mills 01 (Whittier Blvd to Lambert Rd)	1	1	---	71.2	0.0	---	---	Sound Level	
Mills 02 (Lambert Rd to Telegraph Rd)	2	1	---	73.0	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:44:25 PM

CASE:

Norwalk Blvd 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Norwalk 01 (NCL to Beverly Blvd)	2	1	---	72.8	0.0	---	---	Sound Level	
Norwalk 03 (Whittier Blvd to Washington Blvd)	2	1	---	70.5	0.0	---	---	Sound Level	
Norwalk 02 (Beverly Blvd to Whittier Blvd)	3	1	---	68.8	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 1:52:10 PM

CASE:

Painter Ave 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Painter Ave 01 (Beverly Blvd to Hadley St)	1	1	---	61.0	0.0	---	---	Sound Level	
Painter Ave 02 (Hadley St to Whittier Blvd)	2	1	---	66.2	0.0	---	---	Sound Level	
Painter Ave 03 (Whittier Blvd to Lambert Rd)	3	1	---	68.5	0.0	---	---	Sound Level	
Painter Ave 04 (Lambert Rd to Telegraph Rd)	4	1	---	70.3	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 1:56:33 PM
CASE:	Pickering Ave 40GP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 Future Baseline
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Pickering Ave 01 (Beverly Blvd to Whittier Blvd)	1	1	---	61.5	0.0	---	---	Sound Level	



REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 2:00:01 PM

CASE:

Santa Fe Springs Rd  
40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan  
Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different  
type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Fe Springs 01 (Whittier Blvd to SCL)	0	0	---	70.2	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 2:02:32 PM

CASE:

SantaGertrudes Ave  
40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan  
Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different  
type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Santa Gertrudes 01 (Whittier Blvd to Leffingwell Rd)	1	1	---	66.1	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 2:04:33 PM
CASE:	Washington Blvd 40GP	ORGANIZATION:	MIG
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	Pavement	PROJECT/CONTRACT	Whittier General Plan Update - 2040 General Plan Scenario
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Washington Blvd 01 (WCI to Santa Fe Springs Rd)	1	1	---	73.3	0.0	---	---	Sound Level	

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION

3.0.7.60002

REPORT DATE:

11 May 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

5/11/2021 2:19:05 PM

CASE:

Whittier Blvd 40GP

ORGANIZATION:

MIG

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

Pavement

PROJECT/CONTRACT

Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Whittier Blvd 01 (WCL to Norwalk Blvd)	1	1	---	73.4	0.0	---	---	Sound Level	
Whittier Blvd 02 (Norwalk Blvd to Hadley St)	2	1	---	72.4	0.0	---	---	Sound Level	
Whittier Blvd 03 (Hadley St to Philadelphia St)	3	1	---	72.1	0.0	---	---	Sound Level	
Whittier Blvd 04 (Philadelphia St to Mar Vista St)	4	1	---	75.2	0.0	---	---	Sound Level	
Whittier Blvd 05 (Mar Vista St to Washington Blvd at 100 feet)	6	1	---	70.3	0.0	---	---	Sound Level	
Whittier Blvd 06 (Santa Fe Springs Rd/Washington Blvd to Painter Ave)	7	1	---	70.8	0.0	---	---	Sound Level	
Whittier Blvd 07 (Painter Ave to Colima Rd)	8	1	---	71.8	0.0	---	---	Sound Level	
Whittier Blvd 08 (Colima Rd to 1st Ave)	9	1	---	73.1	0.0	---	---	Sound Level	
Whittier Blvd 09 (1st Ave to ECL)	10	1	---	72.7	0.0	---	---	Sound Level	

REPORT:

**RESULTS: SOUND-LEVEL DIAGNOSIS BY BARRIER SEGMENT**

TNM VERSION:	3.0.7.60002	REPORT DATE:	11 May 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	5/11/2021 4:44:40 PM
CASE:	I605 40GP	ORGANIZATION:	MIG
ANALYSIS BY:	CDugan	PROJECT/CONTRACT:	Whittier General Plan Update - 2040 General Plan Scenario
ATMOSPHERICS:	68°F, 50%	DEFAULT GROUND TYPE:	Pavement

Selected Receivers		Total Lden dBA	Important Barriers Name	Important Segments		Partial Lden dBA
Name	No.			Name	No.	
I-605 (Washington Blvd to Whittier Blvd)	1	72.9	Barrier-1	Point-0	0	72.8
			Barrier-2	Point-2	0	72.8
I-605 (Whittier Blvd to Beverly Blvd)	2	67.0	Barrier-1	Point-0	0	67.0
			Barrier-2	Point-2	0	67.0

REPORT:

**Results: Sound Levels - No Barrier Objects**

TNM VERSION 3.0.7.60002  
 CALCULATED WITH: 3.0.7.60002  
 CASE: I605 40GP  
 UNITS: English  
 DEFAULT GROUND TYPE: Pavement

REPORT DATE: 11 May 2021  
 CALCULATION DATE: 5/11/2021 4:44:40 PM  
 ORGANIZATION: MIG  
 ANALYSIS BY: CDugan  
 PROJECT/CONTRACT Whittier General Plan Update - 2040 General Plan Scenario

ATMOSPHERICS: 68°F, 50%  
 PAVEMENT TYPE(S) USED: Average

Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
I-605 (Washington Blvd to Whittier Blvd)	1	1	---	80.3	0.0	---	---	Sound Level	
I-605 (Whittier Blvd to Beverly Blvd)	2	1	---	75.7	0.0	---	---	Sound Level	

Whittier 2040 General Plan Update  
 City of Whittier, California  
 Appendix E: Noise Data

Sheet 13: Rail Noise Contours

Road / Segment	Estimated CNEL 50 Feet from Rail Center Line <sup>(A)</sup>	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
<b>2019 Existing Conditions</b>					
UPRR ROW	67.0	8	25	79	251
<b>2040 Future Conditions</b>					
UPRR ROW	70.0	16	50	158	500

Noise Model

Noise Model Based on Federal Transit Administration General Transit Noise Assessment  
 Developed for Chicago Create Project  
 Copyright 2006, HMMH Inc.

Case: Cudahy Existing Conditions (UP 50 FT)

<b>RESULTS</b>			
Noise Source	Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
<b>All Sources</b>	67	58	60
Source 1	63	55	57
Source 2	63	54	57
Source 3	56	48	50
Source 4	0	0	0
Source 5	0	0	0
Source 6	0	0	0
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

<b>LAND USE CATEGORY</b>	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

<b>NOISE SOURCE PARAMETERS</b>						
Parameter	Source 1		Source 2		Source 3	
<b>Source Num.</b>	Freight Locomotive	9	Freight Cars	10	Crossover	13
<b>Distance (source to receiver)</b>	distance (ft)	50	distance (ft)	50	distance (ft)	50
<b>Daytime Hours (7 AM - 10 PM)</b>	speed (mph)	35	speed (mph)	35	trains/hour	0.13
	trains/hour	0.13	trains/hour	0.13	duration of one train (sec)	300
	locos/train	2	length of cars (ft) / train	2000		
<b>Nighttime Hours (10 PM - 7 AM)</b>	speed (mph)	35	speed (mph)	35	trains/hour	0.22
	trains/hour	0.22	trains/hour	0.22	duration of one train (sec)	300
	locos/train	2	length of cars (ft) / train	2000		
<b>Wheel Flats?</b>			% of cars w/ wheel flats	0.00%		
<b>Jointed Track?</b>	Y/N	n	Y/N	n		
<b>Embedded Track?</b>	Y/N	n	Y/N	n	Y/N	y
<b>Aerial Structure?</b>	Y/N	n	Y/N	n	Y/N	n
<b>Barrier Present?</b>	Y/N	n	Y/N	n	Y/N	n
<b>Intervening Rows of Buildings</b>	number of rows	0	number of rows	0	number of rows	0



Noise Model

Noise Model Based on Federal Transit Administration General Transit Noise Assessment  
 Developed for Chicago Create Project  
 Copyright 2006, HMMH Inc.

Case: Cudahy Existing Conditions (UP 50 FT)

<b>RESULTS</b>			
Noise Source	Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
<b>All Sources</b>	70	61	63
Source 1	66	58	60
Source 2	66	57	60
Source 3	59	51	53
Source 4	0	0	0
Source 5	0	0	0
Source 6	0	0	0
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

<b>LAND USE CATEGORY</b>	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

<b>NOISE SOURCE PARAMETERS</b>						
Parameter	Source 1		Source 2		Source 3	
<b>Source Num.</b>	Freight Locomotive	9	Freight Cars	10	Crossover	13
<b>Distance (source to receiver)</b>	distance (ft)	50	distance (ft)	50	distance (ft)	50
<b>Daytime Hours (7 AM - 10 PM)</b>	speed (mph)	35	speed (mph)	35	trains/hour	0.26
	trains/hour	0.26	trains/hour	0.26	duration of one train (sec)	300
	locos/train	2	length of cars (ft) / train	2000		
<b>Nighttime Hours (10 PM - 7 AM)</b>	speed (mph)	35	speed (mph)	35	trains/hour	0.44
	trains/hour	0.44	trains/hour	0.44	duration of one train (sec)	300
	locos/train	2	length of cars (ft) / train	2000		
<b>Wheel Flats?</b>			% of cars w/ wheel flats	0.00%		
<b>Jointed Track?</b>	Y/N	n	Y/N	n		
<b>Embedded Track?</b>	Y/N	n	Y/N	n	Y/N	y
<b>Aerial Structure?</b>	Y/N	n	Y/N	n	Y/N	n
<b>Barrier Present?</b>	Y/N	n	Y/N	n	Y/N	n
<b>Intervening Rows of Buildings</b>	number of rows	0	number of rows	0	number of rows	0