Appendix J

Noise Assumptions and Modeling

ESA

Project: VIP 215

Construction Noise Impact from Project Construction Activities on Noise Sensitive Receiver R-1 within March JPA

Parameters

Construction Hours:	12	Daytime hours (7 am to 7 pm)
	3	Evening hours (7 pm to 10 pm)
	9	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Note: The majority of construction would occur during the daytime hours. The concrete pour is assumed to occur 24 hours per day.

				R-1				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft for one piece of equipment, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax (3)**	**Leq (3)**	**L10 (3)**	**Estimated Noise Shielding, dBA**
Road Construction/Utilities				5,700 (1)	***40***	***36***	***39***	
Excavator	2	81	40%	5700	33	29	32	
Dozer	3	82	40%	5700	36	32	35	
Tractor/Loader/Backhoe	3	80	25%	5700	34	28	31	
Trenching Machine	2	80	50%	5700	32	29	32	
Water Trucks	1	80	10%	5700	29	19	22	
Excavation/Mass Grading				7,300 (2)	***42***	***38***	***41***	
Graders	1	85	40%	7300	32	28	31	
Dozer	1	82	40%	7300	29	25	28	
Scrapers	10	84	40%	7300	41	37	40	
Water Trucks	1	80	10%	7300	27	17	20	
Concrete Pour for Buildings 1 and 2				7,300 (2)	***48***	***44***	***47***	
Forklift	2	75	10%	7300	25	15	18	
Generator Sets	16	81	50%	7300	40	37	40	
Water Trucks	2	80	10%	7300	30	20	23	
Concrete Pump Trucks	2	81	20%	7300	31	24	27	
Roller	2	80	20%	7300	30	23	26	
Tractor/Loader/Backhoe	2	80	25%	7300	30	24	27	
Other Equipment	30	85	50%	7300	46	43	46	
Building Construction for Buildings 1 and 2				7,300 (2)	***40***	***35***	***38***	
Cranes	2	81	40%	7300	31	27	30	
Forklift	6	75	10%	7300	29	19	22	
Generator Sets	6	81	50%	7300	35	32	35	
Tractor/Loader/Backhoe	6	80	25%	7300	34	28	31	
Welders	6	74	40%	7300	28	25	28	
Architectural Coating for Buildings 1 and 2				7,300 (2)	***32***	***29***	***32***	
Air Compressor	6	78	50%	7300	32	29	32	
Paving/Landscape/Site Finishes for Buildings 1 and 2				7,300 (2)	***42***	***38***	***41***	
Forklift	4	75	10%	7300	28	18	21	
Water Trucks	2	80	10%	7300	30	20	23	
Paver	4	77	50%	7300	30	27	30	
Other Equipment	4	85	50%	7300	38	35	38	
Roller	2	80	20%	7300	30	23	26	
Scrapers	2	84	40%	7300	34	30	33	
Tractor/Loader/Backhoe	6	80	25%	7300	34	28	31	
Skid Steer Loaders	2	80	40%	7300	30	26	29	
Overlapping Phases (Architectural Coating and Paving/Landscape/Site Finishes)					***44***	***40***	***43***	
Maximum Noise Level					**48**	**44**	**47**	

Notes:

(1) This receiver is located apporximately 5,700 feet from the Van Buren Boulevard offsite improvement.

(2) This receiver is located approximately 7,300 feet from the center of the onsite portion of the project.

(3) The noise level includes a 10 dBA reduction/attenuation due to existing intervening structures.

Project: VIP 215

Construction Noise Impact from Project Construction Activities on Noise Sensitive Receiver R-2 in City of Perris

Parameters

Construction Hours:	12	Daytime hours (7 am to 7 pm)
	3	Evening hours (7 pm to 10 pm)
	9	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Note: The majority of construction would occur during the daytime hours. The concrete pour is assumed to occur 24 hours per day.

				R-2				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft for one piece of equipment, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
Road Construction/Utilities				1,470 (1)	***62***	***57***	***60***	
Excavator	2	81	40%	1470	55	51	54	
Dozer	3	82	40%	1470	57	53	56	
Tractor/Loader/Backhoe	3	80	25%	1470	55	49	52	
Trenching Machine	2	80	50%	1470	54	51	54	
Water Trucks	1	80	10%	1470	51	41	44	
Excavation/Mass Grading				6,100 (2)	***53***	***49***	***52***	
Graders	1	85	40%	6100	43	39	42	
Dozer	1	82	40%	6100	40	36	39	
Scrapers	10	84	40%	6100	52	48	51	
Water Trucks	1	80	10%	6100	38	28	31	
Concrete Pour for Buildings 1 and 2				6,100 (2)	***59***	***56***	***59***	
Forklift	2	75	10%	6100	36	26	29	
Generator Sets	16	81	50%	6100	51	48	51	
Water Trucks	2	80	10%	6100	41	31	34	
Concrete Pump Trucks	2	81	20%	6100	42	35	38	
Roller	2	80	20%	6100	41	34	37	
Tractor/Loader/Backhoe	2	80	25%	6100	41	35	38	
Other Equipment	30	85	50%	6100	58	55	58	
Building Construction for Buildings 1 and 2				6,100 (2)	***51***	***47***	***50***	
Cranes	2	81	40%	6100	42	38	41	
Forklift	6	75	10%	6100	41	31	34	
Generator Sets	6	81	50%	6100	47	44	47	
Tractor/Loader/Backhoe	6	80	25%	6100	46	40	43	
Welders	6	74	40%	6100	40	36	39	
Architectural Coating for Buildings 1 and 2				6,100 (2)	***44***	***41***	***44***	
Air Compressor	6	78	50%	6100	44	41	44	
Paving/Landscape/Site Finishes for Buildings 1 and 2				6,100 (2)	***53***	***49***	***52***	
Forklift	4	75	10%	6100	39	29	32	
Water Trucks	2	80	10%	6100	41	31	34	
Paver	4	77	50%	6100	41	38	41	
Other Equipment	4	85	50%	6100	49	46	49	
Roller	2	80	20%	6100	41	34	37	
Scrapers	2	84	40%	6100	45	41	44	
Tractor/Loader/Backhoe	6	80	25%	6100	46	40	43	
Skid Steer Loaders	2	80	40%	6100	41	37	40	
Overlapping Phases (Architectural Coating and Paving/Landscape/Site Finishes)					***56***	***52***	***55***	
Maximum Noise Level					**62**	**57**	**60**	

Notes:

(1) This receiver is located 1,470 feet from the offsite utility improvements along Western Way north of Nandina Avenue.

(2) This receiver is 6,100 feet west of the center of the onsite portion of the project.

Project: VIP 215

Construction Noise Impact from Project Construction Activities on Noise Sensitive Receiver R-3 in County of Riverside

Parameters

Construction Hours:	12	Daytime hours (7 am to 7 pm)
	3	Evening hours (7 pm to 10 pm)
	9	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Note: The majority of construction would occur during the daytime hours. The concrete pour is assumed to occur 24 hours per day.

				R-3				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft for one piece of equipment, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
Road Construction/Utilities				7,300 (1)	***48***	***43***	***46***	
Excavator	2	81	40%	7300	41	37	40	
Dozer	3	82	40%	7300	43	40	43	
Tractor/Loader/Backhoe	3	80	25%	7300	41	35	38	
Trenching Machine	2	80	50%	7300	40	37	40	
Water Trucks	1	80	10%	7300	37	27	30	
Excavation/Mass Grading				6,700 (2)	***52***	***48***	***51***	
Graders	1	85	40%	6700	42	38	41	
Dozer	1	82	40%	6700	39	35	38	
Scrapers	10	84	40%	6700	51	47	50	
Water Trucks	1	80	10%	6700	37	27	30	
Concrete Pour for Buildings 1 and 2				6,700 (2)	***58***	***55***	***58***	
Forklift	2	75	10%	6700	35	25	28	
Generator Sets	16	81	50%	6700	50	47	50	
Water Trucks	2	80	10%	6700	40	30	33	
Concrete Pump Trucks	2	81	20%	6700	41	34	37	
Roller	2	80	20%	6700	40	33	36	
Tractor/Loader/Backhoe	2	80	25%	6700	40	34	37	
Other Equipment	30	85	50%	6700	57	54	57	
Building Construction for Buildings 1 and 2				6,700 (2)	***50***	***46***	***49***	
Cranes	2	81	40%	6700	41	37	40	
Forklift	6	75	10%	6700	40	30	33	
Generator Sets	6	81	50%	6700	46	43	46	
Tractor/Loader/Backhoe	6	80	25%	6700	45	39	42	
Welders	6	74	40%	6700	39	35	38	
Architectural Coating for Buildings 1 and 2				6,700 (2)	***43***	***40***	***43***	
Air Compressor	6	78	50%	6700	43	40	43	
Paving/Landscape/Site Finishes for Buildings 1 and 2				6,700 (2)	***53***	***48***	***51***	
Forklift	4	75	10%	6700	38	28	31	
Water Trucks	2	80	10%	6700	40	30	33	
Paver	4	77	50%	6700	40	37	40	
Other Equipment	4	85	50%	6700	48	45	48	
Roller	2	80	20%	6700	40	33	36	
Scrapers	2	84	40%	6700	44	40	43	
Tractor/Loader/Backhoe	6	80	25%	6700	45	39	42	
Skid Steer Loaders	2	80	40%	6700	40	36	39	
Overlapping Phases (Architectural Coating and Paving/Landscape/Site Finishes)					***55***	***51***	***54***	
Maximum Noise Level					**58**	**55**	**58**	

Notes:

(1) This receiver is located 7,300 feet from the offsite utility improvements along Western Way north of Nandina Avenue.

(2) This receiver is 6,700 feet west of the center of the onsite portion of the project.

Project: VIP 215

Construction Noise Impact from Project Construction Activities on Noise Sensitive Receiver R-4 in City of Riverside

Parameters

Construction Hours:	12	Daytime hours (7 am to 7 pm)
	3	Evening hours (7 pm to 10 pm)
	9	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Note: The majority of construction would occur during the daytime hours. The concrete pour is assumed to occur 24 hours per day.

				R-4				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft for one piece of equipment, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**
Road Construction/Utilities				7,400 (1)	***48***	***43***	***46***	
Excavator	2	81	40%	7400	41	37	40	
Dozer	3	82	40%	7400	43	39	42	
Tractor/Loader/Backhoe	3	80	25%	7400	41	35	38	
Trenching Machine	2	80	50%	7400	40	37	40	
Water Trucks	1	80	10%	7400	37	27	30	
Excavation/Mass Grading				10,400 (2)	***49***	***44***	***47***	
Graders	1	85	40%	10400	39	35	38	
Dozer	1	82	40%	10400	36	32	35	
Scrapers	10	84	40%	10400	48	44	47	
Water Trucks	1	80	10%	10400	34	24	27	
Concrete Pour for Buildings 1 and 2				10,400 (2)	***55***	***51***	***54***	
Forklift	2	75	10%	10400	32	22	25	
Generator Sets	16	81	50%	10400	47	44	47	
Water Trucks	2	80	10%	10400	37	27	30	
Concrete Pump Trucks	2	81	20%	10400	38	31	34	
Roller	2	80	20%	10400	37	30	33	
Tractor/Loader/Backhoe	2	80	25%	10400	37	31	34	
Other Equipment	30	85	50%	10400	53	50	53	
Building Construction for Buildings 1 and 2				10,400 (2)	***47***	***42***	***45***	
Cranes	2	81	40%	10400	38	34	37	
Forklift	6	75	10%	10400	36	26	29	
Generator Sets	6	81	50%	10400	42	39	42	
Tractor/Loader/Backhoe	6	80	25%	10400	41	35	38	
Welders	6	74	40%	10400	35	31	34	
Architectural Coating for Buildings 1 and 2				10,400 (2)	***39***	***36***	***39***	
Air Compressor	6	78	50%	10400	39	36	39	
Paving/Landscape/Site Finishes for Buildings 1 and 2				10,400 (2)	***49***	***45***	***48***	
Forklift	4	75	10%	10400	35	25	28	
Water Trucks	2	80	10%	10400	37	27	30	
Paver	4	77	50%	10400	37	34	37	
Other Equipment	4	85	50%	10400	45	42	45	
Roller	2	80	20%	10400	37	30	33	
Scrapers	2	84	40%	10400	41	37	40	
Tractor/Loader/Backhoe	6	80	25%	10400	41	35	38	
Skid Steer Loaders	2	80	40%	10400	37	33	36	
Overlapping Phases (Architectural Coating and Paving/Landscape/Site Finishes)					***51***	***47***	***50***	
Maximum Noise Level					**55**	**51**	**54**	

Notes:

(1) This receiver is located 7,400 feet from the offsite improvements along Van Buren Boulevard

(2) This receiver is 10,400 feet northeast of the center of the onsite portion of the project.

Project: VIP 215

Construction Noise Impact from Project Construction Activities on Noise Sensitive Receiver R-5 in City of Moreno Valley

Parameters

Construction Hours:	12	Daytime hours (7 am to 7 pm)
	3	Evening hours (7 pm to 10 pm)
	9	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

Note: The majority of construction would occur during the daytime hours. The concrete pour is assumed to occur 24 hours per day.

				R-5				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft for one piece of equipment, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax (3)**	**Leq (3)**	**L10 (3)**	**Estimated Noise Shielding, dBA**
Road Construction/Utilities				7,000 (1)	***38***	***34***	***37***	
Excavator	2	81	40%	7000	31	27	30	
Dozer	3	82	40%	7000	34	30	33	
Tractor/Loader/Backhoe	3	80	25%	7000	32	26	29	
Trenching Machine	2	80	50%	7000	30	27	30	
Water Trucks	1	80	10%	7000	27	17	20	
Excavation/Mass Grading				8,200 (2)	***41***	***37***	***40***	
Graders	1	85	40%	8200	31	27	30	
Dozer	1	82	40%	8200	28	24	27	
Scrapers	10	84	40%	8200	40	36	39	
Water Trucks	1	80	10%	8200	26	16	19	
Concrete Pour for Buildings 1 and 2				8,200 (2)	***47***	***43***	***46***	
Forklift	2	75	10%	8200	24	14	17	
Generator Sets	16	81	50%	8200	39	36	39	
Water Trucks	2	80	10%	8200	29	19	22	
Concrete Pump Trucks	2	81	20%	8200	30	23	26	
Roller	2	80	20%	8200	29	22	25	
Tractor/Loader/Backhoe	2	80	25%	8200	29	23	26	
Other Equipment	30	85	50%	8200	45	42	45	
Building Construction for Buildings 1 and 2				8,200 (2)	***39***	***34***	***37***	
Cranes	2	81	40%	8200	30	26	29	
Forklift	6	75	10%	8200	28	18	21	
Generator Sets	6	81	50%	8200	34	31	34	
Tractor/Loader/Backhoe	6	80	25%	8200	33	27	30	
Welders	6	74	40%	8200	27	24	27	
Architectural Coating for Buildings 1 and 2				8,200 (2)	***31***	***28***	***31***	
Air Compressor	6	78	50%	8200	31	28	31	
Paving/Landscape/Site Finishes for Buildings 1 and 2				8,200 (2)	***41***	***37***	***40***	
Forklift	4	75	10%	8200	27	17	20	
Water Trucks	2	80	10%	8200	29	19	22	
Paver	4	77	50%	8200	29	26	29	
Other Equipment	4	85	50%	8200	37	34	37	
Roller	2	80	20%	8200	29	22	25	
Scrapers	2	84	40%	8200	33	29	32	
Tractor/Loader/Backhoe	6	80	25%	8200	33	27	30	
Skid Steer Loaders	2	80	40%	8200	29	25	28	
Overlapping Phases (Architectural Coating and Paving/Landscape/Site Finishes)					***43***	***39***	***42***	
Maximum Noise Level					**47**	**43**	**46**	

Notes:

(1) This receiver is located 7,000 feet from the offsite improvements along Western Way.

(2) This receiver is 8,200 feet east of the center of the onsite portion of the project.

(3) The noise level includes a 10 dBA reduction/attenuation due to existing intervening structures.

Project: VIP 215

Off-site Construction Traffic Noise - Harley Knox Boulevard

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Harley Knox Boulevard btw I-215 and Western Way - Existing			13230	81.7	79.3	77.7	78.7	76.3	74.7
Harley Knox Boulevard btw I-215 and Western Way - Existing + Project			13672	81.9	79.4	77.9	78.9	76.4	74.9
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Harley Knox Boulevard btw I-215 and Western Way - Project Only			442	67.7	65.2	63.7	64.7	62.2	60.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Summary	CNEL 25 ft. from ROW		At ROW	
Roadway/Segment		Project Increment		Project Increment
Harley Knox Boulevard btw I-215 and Western Way		0.1		0.2
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: VIP 215

Off-site Construction Traffic Noise - Harley Knox Boulevard

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Harley Knox Boulevard btw I-215 and Western Way - Existing			13230	81.7	79.3	77.7	78.7	76.3	74.7
Harley Knox Boulevard btw I-215 and Western Way - Existing + Project			13786	81.9	79.5	77.9	78.9	76.5	74.9
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Harley Knox Boulevard btw I-215 and Western Way - Project Only			556	68.7	66.2	64.7	65.7	63.2	61.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Summary	CNEL 25 ft. from ROW		At ROW	
Roadway/Segment		Project Increment		Project Increment
Harley Knox Boulevard btw I-215 and Western Way		0.2		0.2
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: VIP 215

Off-site Construction Traffic Noise - Van Buren Boulevard

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Boulevard between I-215 and Project Site - Existing			100	60.5	58.1	56.5	57.5	55.1	53.5
Van Buren Boulevard between I-215 and Project Site - Existing Plus Project			542	67.9	65.4	63.9	64.9	62.4	60.9
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Boulevard between I-215 and Project Site - Project Only			442	67.7	65.2	63.7	64.7	62.2	60.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

CNEL

Summary	25 ft. from ROW		At ROW	
Roadway/Segment		Project Increment		Project Increment
Van Buren Boulevard between I-215 and Project Site		7.3		7.4
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: VIP 215

Off-site Construction Traffic Noise - Van Buren Boulevard

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Boulevard between I-215 and Project Site - Existing			100	60.5	58.1	56.5	57.5	55.1	53.5
Van Buren Boulevard between I-215 and Project Site - Existing Plus Project			656	68.7	66.2	64.7	65.7	63.2	61.7
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Boulevard between I-215 and Project Site - Project Only			556	68.7	66.2	64.7	65.7	63.2	61.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Summary	CNEL 25 ft. from ROW		CNEL At ROW	
Roadway/Segment		Project Increment		Project Increment
Van Buren Boulevard between I-215 and Project Site		8.1		8.2
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: VIP 215

Off-site Construction Traffic Noise - Western Way

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Western Way btw Nandina and Harley Knox - Existing			1010	70.6	68.1	66.6	67.6	65.1	63.6
Western Way btw Nandina and Harley Knox - Existing + Project			1452	72.1	69.7	68.1	69.1	66.7	65.1
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Western Way btw Nandina and Harley Knox - Project Only			442	67.7	65.2	63.7	64.7	62.2	60.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Summary	CNEL 25 ft. from ROW		At ROW	
Roadway/Segment		Project Increment		Project Increment
Western Way btw Nandina and Harley Knox		1.6		1.5
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: VIP 215

Off-site Construction Traffic Noise - Western Way

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Western Way btw Nandina and Harley Knox - Existing			1010	70.6	68.1	66.6	67.6	65.1	63.6
Western Way btw Nandina and Harley Knox - Existing + Project			1566	72.5	70.0	68.5	69.5	67.0	65.5
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
Western Way btw Nandina and Harley Knox - Project Only			556	68.7	66.2	64.7	65.7	63.2	61.7
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

Roadway/Segment	Traffic Volumes AM	PM	ADT	Leq ROW	25 Feet	50 Feet	CNEL ROW	25 Feet	50 Feet
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
0			0	-	-	-	-	-	-
			0	-	-	-	-	-	-
			0	-	-	-	-	-	-

CNEL

Summary	25 ft. from ROW		At ROW	
Roadway/Segment		Project Increment		Project Increment
Western Way btw Nandina and Harley Knox		1.9		1.9
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Project: Veterans Industrial Park 215

Intensive Ecommerce

Existing

Existing										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4
Existing With Project										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			29890	75.8	72.8	71.0	77.0	74.0	72.2
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			29390	75.7	72.7	70.9	76.9	73.9	72.2
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			30120	73.9	70.7	68.8	75.1	71.9	70.0
Van Buren Blvd between Village West Dr and Meridian Parkway	50			31480	76.0	73.0	71.2	77.2	74.2	72.4
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			28940	75.9	73.3	71.7	77.1	74.5	72.9
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			0	-	-	-	-	-	-
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			0	-	-	-	-	-	-
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			0	-	-	-	-	-	-
Van Buren Blvd between Village West Dr and Meridian Parkway	50			0	-	-	-	-	-	-
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			0	-	-	-	-	-	-

CNEL

Summary	25 ft. from ROW		At ROW	
	Project	Cumulative	Project	Cumulative
Roadway/Segment	Increment	Increment	Increment	Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.3	-	-	-
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.3	-	-	-
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.4	-	-	-
Van Buren Blvd between Village West Dr and Meridian Parkway	0.4	-	-	-
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.5	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Existing

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Existing With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			29900	75.5	73.1	71.6	76.7	74.3	72.8
Western Way between Nandina Ave and Harlye Knox Blvd	40			11750	71.3	67.2	65.1	72.5	68.4	66.4
Harley Knox Blvd between Harvill Aven and I-215	45			7590	69.1	65.9	64.1	70.4	67.1	65.3
Harley Knox Blvd between I-215 and Western Way	45			21200	73.6	70.4	68.5	74.8	71.6	69.8
Harley Knox Blvd between Western Way and Patterson Ave	45			15550	72.3	69.0	67.2	73.5	70.2	68.4

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			0	-	-	-	-	-	-
Western Way between Nandina Ave and Harlye Knox Blvd	40			0	-	-	-	-	-	-
Harley Knox Blvd between Harvill Aven and I-215	45			0	-	-	-	-	-	-
Harley Knox Blvd between I-215 and Western Way	45			0	-	-	-	-	-	-
Harley Knox Blvd between Western Way and Patterson Ave	45			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.5	-	-	-
Western Way between Nandina Ave and Harlye Knox Blvd	10.6	-	-	-
Harley Knox Blvd between Harvill Aven and I-215	0.6	-	-	-
Harley Knox Blvd between I-215 and Western Way	2.1	-	-	-
Harley Knox Blvd between Western Way and Patterson Ave	0.8	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Existing

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Existing With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			13360	69.5	66.7	65.0	70.7	67.9	66.2
Harley Knox Blvd between Webster Ave and Indian Ave	40			14140	69.7	66.9	65.2	70.9	68.2	66.5
Harley Knox Blvd between Indian Ave and Perris Blvd	40			9300	67.9	65.1	63.4	69.1	66.3	64.6
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			0	-	-	-	-	-	-
Harley Knox Blvd between Webster Ave and Indian Ave	40			0	-	-	-	-	-	-
Harley Knox Blvd between Indian Ave and Perris Blvd	40			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary / Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.5	-	-	-
Harley Knox Blvd between Webster Ave and Indian Ave	0.8	-	-	-
Harley Knox Blvd between Indian Ave and Perris Blvd	0.9	-	-	-
0	-	-	-	-
0	-	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

High Cube Warehouse

Existing

Existing										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4
Existing With Project										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			28040	75.5	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27300	75.4	72.4	70.6	76.6	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27800	73.5	70.3	68.5	74.8	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			29160	75.6	72.7	70.9	76.9	73.9	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25990	75.5	72.8	71.2	76.7	74.0	72.4
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			0	-	-	-	-	-	-
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			0	-	-	-	-	-	-
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			0	-	-	-	-	-	-
Van Buren Blvd between Village West Dr and Meridian Parkway	50			0	-	-	-	-	-	-
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			0	-	-	-	-	-	-

CNEL

Summary	25 ft. from ROW		At ROW	
	Project	Cumulative	Project	Cumulative
Roadway/Segment	Increment	Increment	Increment	Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.0	-	-	-
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.0	-	-	-
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.0	-	-	-
Van Buren Blvd between Village West Dr and Meridian Parkway	0.1	-	-	-
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.0	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

High Cube Warehouse

Existing

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Existing With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26490	75.0	72.6	71.1	76.2	73.8	72.3
Western Way between Nandina Ave and Harlye Knox Blvd	40			2030	63.7	59.6	57.5	64.9	60.8	58.7
Harley Knox Blvd between Harvill Aven and I-215	45			6660	66.9	64.5	62.9	68.1	65.7	64.1
Harley Knox Blvd between I-215 and Western Way	45			13980	71.8	68.6	66.7	73.0	69.8	67.9
Harley Knox Blvd between Western Way and Patterson Ave	45			13050	71.5	68.3	66.4	72.7	69.5	67.6

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			0	-	-	-	-	-	-
Western Way between Nandina Ave and Harlye Knox Blvd	40			0	-	-	-	-	-	-
Harley Knox Blvd between Harvill Aven and I-215	45			0	-	-	-	-	-	-
Harley Knox Blvd between I-215 and Western Way	45			0	-	-	-	-	-	-
Harley Knox Blvd between Western Way and Patterson Ave	45			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.0	-	-	-
Western Way between Nandina Ave and Harlye Knox Blvd	3.0	-	-	-
Harley Knox Blvd between Harvill Aven and I-215	-0.8	-	-	-
Harley Knox Blvd between I-215 and Western Way	0.3	-	-	-
Harley Knox Blvd between Western Way and Patterson Ave	0.1	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Existing

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Existing With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			12090	69.1	66.3	64.6	70.3	67.5	65.8
Harley Knox Blvd between Webster Ave and Indian Ave	40			12110	69.1	66.3	64.6	70.3	67.5	65.8
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7730	67.1	64.3	62.6	68.3	65.5	63.8
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			0	-	-	-	-	-	-
Harley Knox Blvd between Webster Ave and Indian Ave	40			0	-	-	-	-	-	-
Harley Knox Blvd between Indian Ave and Perris Blvd	40			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary / Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.1	-	-	-
Harley Knox Blvd between Webster Ave and Indian Ave	0.1	-	-	-
Harley Knox Blvd between Indian Ave and Perris Blvd	0.1	-	-	-
0	-	-	-	-
0	-	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Opening Year 2019

Intensive Ecommerce

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			33578	76.3	73.3	71.5	77.5	74.5	72.7
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			35403	76.5	73.5	71.7	77.7	74.7	73.0
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			38593	75.0	71.7	69.9	76.2	72.9	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			46220	77.6	74.7	72.9	78.9	75.9	74.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			42983	77.7	75.0	73.4	78.9	76.2	74.6

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			35578	76.5	73.5	71.8	77.7	74.7	73.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			37653	76.8	73.8	72.0	78.0	75.0	73.2
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			41083	75.2	72.0	70.2	76.5	73.2	71.4
Van Buren Blvd between Village West Dr and Meridian Parkway	50			48710	77.9	74.9	73.1	79.1	76.1	74.3
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			46263	78.0	75.3	73.7	79.2	76.5	74.9

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.2	1.0	0.2	1.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.3	1.4	0.3	1.5
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.3	1.7	0.3	1.8
Van Buren Blvd between Village West Dr and Meridian Parkway	0.2	2.3	0.2	2.3
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.3	2.5	0.3	2.6

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce
Opening Year 2019

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			46113	77.4	75.0	73.5	78.6	76.2	74.7
Western Way between Nandina Ave and Harlye Knox Blvd	40			1930	63.4	59.4	57.3	64.7	60.6	58.5
Harley Knox Blvd between Harvill Aven and I-215	45			6782	68.7	65.4	63.6	69.9	66.6	64.8
Harley Knox Blvd between I-215 and Western Way	45			25145	74.3	71.1	69.3	75.6	72.3	70.5
Harley Knox Blvd between Western Way and Patterson Ave	45			23606	74.1	70.8	69.0	75.3	72.1	70.2

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			49883	77.8	75.4	73.8	79.0	76.6	75.0
Western Way between Nandina Ave and Harlye Knox Blvd	40			12670	71.6	67.5	65.5	72.8	68.8	66.7
Harley Knox Blvd between Harvill Aven and I-215	45			7762	69.2	66.0	64.2	70.5	67.2	65.4
Harley Knox Blvd between I-215 and Western Way	45			33115	75.5	72.3	70.5	76.8	73.5	71.7
Harley Knox Blvd between Western Way and Patterson Ave	45			26376	74.6	71.3	69.5	75.8	72.5	70.7

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.4	2.8	0.4	2.8
Western Way between Nandina Ave and Harlye Knox Blvd	8.2	11.0	8.1	11.0
Harley Knox Blvd between Harvill Aven and I-215	0.6	0.7	0.6	0.7
Harley Knox Blvd between I-215 and Western Way	1.2	4.0	1.2	4.0
Harley Knox Blvd between Western Way and Patterson Ave	0.4	3.1	0.5	3.2

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

Intensive Ecommerce

Opening Year 2019

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			19777	71.2	68.4	66.7	72.4	69.6	67.9
Harley Knox Blvd between Webster Ave and Indian Ave	40			19807	71.2	68.4	66.7	72.4	69.6	67.9
Harley Knox Blvd between Indian Ave and Perris Blvd	40			13440	69.5	66.7	65.0	70.7	67.9	66.2
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			22297	71.7	68.9	67.2	72.9	70.1	68.4
Harley Knox Blvd between Webster Ave and Indian Ave	40			22077	71.7	68.9	67.2	72.9	70.1	68.4
Harley Knox Blvd between Indian Ave and Perris Blvd	40			15220	70.1	67.3	65.6	71.3	68.5	66.8
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.5	2.7	0.5	2.7
Harley Knox Blvd between Webster Ave and Indian Ave	0.5	2.7	0.5	2.7
Harley Knox Blvd between Indian Ave and Perris Blvd	0.6	3.1	0.6	3.1
0	-	-	-	-
0	-	-	-	-

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			38537	75.8	73.3	71.7	77.1	74.5	73.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			40265	76.0	73.5	71.9	77.2	74.7	73.2
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			43518	74.0	71.5	69.9	75.2	72.7	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			51321	77.1	74.6	73.0	78.3	75.8	74.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			47655	77.8	75.3	73.7	79.0	76.5	74.9

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			40537	76.1	73.5	72.0	77.3	74.8	73.2
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			42515	76.3	73.8	72.2	77.5	75.0	73.4
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			46008	74.2	71.7	70.1	75.5	72.9	71.4
Van Buren Blvd between Village West Dr and Meridian Parkway	50			53811	77.3	74.8	73.2	78.5	76.0	74.4
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			50935	78.1	75.6	74.0	79.3	76.8	75.2

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.3	1.1	0.2	0.6
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.3	1.4	0.3	1.0
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.2	1.4	0.3	0.8
Van Buren Blvd between Village West Dr and Meridian Parkway	0.2	2.2	0.2	1.7
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.3	2.8	0.3	2.7

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			50845	77.8	75.4	73.9	79.1	76.7	75.1
Western Way between Nandina Ave and Harlye Knox Blvd	40			3200	64.2	60.9	59.1	65.4	62.1	60.3
Harley Knox Blvd between Harvill Aven and I-215	45			10933	69.2	66.7	65.1	70.4	67.9	66.4
Harley Knox Blvd between I-215 and Western Way	45			44607	76.0	73.2	71.5	77.2	74.4	72.7
Harley Knox Blvd between Western Way and Patterson Ave	45			42110	75.7	72.9	71.2	76.9	74.1	72.4

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			54615	78.1	75.7	74.2	79.4	77.0	75.4
Western Way between Nandina Ave and Harlye Knox Blvd	40			13940	70.5	67.3	65.5	71.8	68.5	66.7
Harley Knox Blvd between Harvill Aven and I-215	45			11913	69.6	67.1	65.5	70.8	68.3	66.7
Harley Knox Blvd between I-215 and Western Way	45			52577	76.7	73.9	72.2	77.9	75.1	73.4
Harley Knox Blvd between Western Way and Patterson Ave	45			44880	76.0	73.2	71.5	77.2	74.4	72.7

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.3	3.2	0.3	3.2
Western Way between Nandina Ave and Harlye Knox Blvd	6.4	10.7	6.4	10.0
Harley Knox Blvd between Harvill Aven and I-215	0.4	1.8	0.4	1.0
Harley Knox Blvd between I-215 and Western Way	0.7	5.6	0.7	5.1
Harley Knox Blvd between Western Way and Patterson Ave	0.3	5.0	0.3	4.6

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			38160	74.0	71.2	69.6	75.3	72.5	70.8
Harley Knox Blvd between Webster Ave and Indian Ave	40			33825	73.5	70.7	69.0	74.7	71.9	70.3
Harley Knox Blvd between Indian Ave and Perris Blvd	40			23778	72.0	69.2	67.5	73.2	70.4	68.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			40680	74.3	71.5	69.8	75.5	72.7	71.1
Harley Knox Blvd between Webster Ave and Indian Ave	40			36095	73.8	71.0	69.3	75.0	72.2	70.5
Harley Knox Blvd between Indian Ave and Perris Blvd	40			25558	72.3	69.5	67.8	73.5	70.7	69.0
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.2	5.3	0.2	5.3
Harley Knox Blvd between Webster Ave and Indian Ave	0.3	4.8	0.3	4.8
Harley Knox Blvd between Indian Ave and Perris Blvd	0.3	5.3	0.3	5.3
0	-	-	-	-
0	-	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2040

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			53835	77.3	74.8	73.2	78.5	76.0	74.4
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			50429	77.0	74.5	72.9	78.2	75.7	74.1
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			50691	74.7	72.1	70.6	75.9	73.4	71.8
Van Buren Blvd between Village West Dr and Meridian Parkway	50			64950	78.1	75.6	74.0	79.3	76.8	75.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			52110	78.2	75.7	74.1	79.4	76.9	75.3

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			55835	77.5	74.9	73.4	78.7	76.2	74.6
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			52679	77.2	74.7	73.1	78.4	75.9	74.3
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			53181	74.9	72.4	70.8	76.1	73.6	72.0
Van Buren Blvd between Village West Dr and Meridian Parkway	50			67440	78.3	75.8	74.2	79.5	77.0	75.4
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			55390	78.5	76.0	74.4	79.7	77.2	75.6

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.2	2.5	0.2	2.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.2	2.3	0.2	1.9
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.2	2.1	0.2	1.4
Van Buren Blvd between Village West Dr and Meridian Parkway	0.2	3.2	0.2	2.7
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.3	3.2	0.3	3.1

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2040

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			55700	78.2	75.8	74.3	79.4	77.0	75.5
Western Way between Nandina Ave and Harlye Knox Blvd	40			4460	65.6	62.4	60.5	66.8	63.6	61.7
Harley Knox Blvd between Harvill Aven and I-215	45			18650	71.6	69.0	67.5	72.8	70.3	68.7
Harley Knox Blvd between I-215 and Western Way	45			46700	76.2	73.4	71.7	77.4	74.6	72.9
Harley Knox Blvd between Western Way and Patterson Ave	45			43850	75.9	73.1	71.4	77.1	74.3	72.6

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			59480	78.5	76.1	74.6	79.7	77.3	75.8
Western Way between Nandina Ave and Harlye Knox Blvd	40			15200	70.9	67.7	65.9	72.1	68.9	67.1
Harley Knox Blvd between Harvill Aven and I-215	45			19360	71.7	69.2	67.6	72.9	70.4	68.8
Harley Knox Blvd between I-215 and Western Way	45			54670	76.8	74.0	72.4	78.1	75.3	73.6
Harley Knox Blvd between Western Way and Patterson Ave	45			46620	76.2	73.4	71.7	77.4	74.6	72.9

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.3	3.5	0.3	3.5
Western Way between Nandina Ave and Harlye Knox Blvd	5.3	11.1	5.3	10.3
Harley Knox Blvd between Harvill Aven and I-215	0.1	3.9	0.1	3.1
Harley Knox Blvd between I-215 and Western Way	0.7	5.8	0.7	5.3
Harley Knox Blvd between Western Way and Patterson Ave	0.3	5.2	0.3	4.8

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

Intensive Ecommerce

Year 2040

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			40150	74.3	71.5	69.8	75.5	72.7	71.0
Harley Knox Blvd between Webster Ave and Indian Ave	40			45404	74.8	72.0	70.3	76.0	73.2	71.5
Harley Knox Blvd between Indian Ave and Perris Blvd	40			28411	72.8	70.0	68.3	74.0	71.2	69.5
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			42670	74.5	71.7	70.0	75.7	72.9	71.3
Harley Knox Blvd between Webster Ave and Indian Ave	40			47674	75.0	72.2	70.5	76.2	73.4	71.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			30191	73.0	70.2	68.5	74.2	71.4	69.8
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.2	5.5	0.2	5.5
Harley Knox Blvd between Webster Ave and Indian Ave	0.2	6.0	0.2	6.0
Harley Knox Blvd between Indian Ave and Perris Blvd	0.2	6.0	0.2	6.0
0	-	-	-	-
0	-	-	-	-

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse
Opening Year 2019

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			33578	76.3	73.3	71.5	77.5	74.5	72.7
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			35403	76.5	73.5	71.7	77.7	74.7	73.0
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			38593	75.0	71.7	69.9	76.2	72.9	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			46220	77.6	74.7	72.9	78.9	75.9	74.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			42983	77.7	75.0	73.4	78.9	76.2	74.6

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			33728	76.3	73.3	71.5	77.5	74.5	72.7
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			33563	76.3	73.3	71.5	77.5	74.5	72.7
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			38763	75.0	71.8	69.9	76.2	73.0	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			46390	77.7	74.7	72.9	78.9	75.9	74.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			43313	77.7	75.0	73.4	78.9	76.3	74.6

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.0	0.8	0.0	0.8
Van Buren Blvd between Barton St and Orange Terrace Pkwy	-0.2	0.9	-0.2	1.0
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.1	1.5	0.0	1.5
Van Buren Blvd between Village West Dr and Meridian Parkway	0.0	2.1	0.0	2.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.1	2.3	0.0	2.3

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Project: Veterans Industrial Park 215

High Cube Warehouse
Opening Year 2019

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			46113	77.4	75.0	73.5	78.6	76.2	74.7
Western Way between Nandina Ave and Harlye Knox Blvd	40			1930	63.4	59.4	57.3	64.7	60.6	58.5
Harley Knox Blvd between Harvill Aven and I-215	45			6782	68.7	65.4	63.6	69.9	66.6	64.8
Harley Knox Blvd between I-215 and Western Way	45			25145	74.3	71.1	69.3	75.6	72.3	70.5
Harley Knox Blvd between Western Way and Patterson Ave	45			23606	74.1	70.8	69.0	75.3	72.1	70.2

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			46473	77.4	75.0	73.5	78.7	76.3	74.7
Western Way between Nandina Ave and Harlye Knox Blvd	40			1930	63.4	59.4	57.3	64.7	60.6	58.5
Harley Knox Blvd between Harvill Aven and I-215	45			6782	68.7	65.4	63.6	69.9	66.6	64.8
Harley Knox Blvd between I-215 and Western Way	45			25145	74.3	71.1	69.3	75.6	72.3	70.5
Harley Knox Blvd between Western Way and Patterson Ave	45			23606	74.1	70.8	69.0	75.3	72.1	70.2

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.1	2.5	0.1	2.5
Western Way between Nandina Ave and Harlye Knox Blvd	0.0	2.8	0.0	2.9
Harley Knox Blvd between Harvill Aven and I-215	0.0	0.1	0.0	0.1
Harley Knox Blvd between I-215 and Western Way	0.0	2.8	0.0	2.8
Harley Knox Blvd between Western Way and Patterson Ave	0.0	2.7	0.0	2.7

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Opening Year 2019

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			19777	71.2	68.4	66.7	72.4	69.6	67.9
Harley Knox Blvd between Webster Ave and Indian Ave	40			19807	71.2	68.4	66.7	72.4	69.6	67.9
Harley Knox Blvd between Indian Ave and Perris Blvd	40			13440	69.5	66.7	65.0	70.7	67.9	66.2
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			20027	71.2	68.4	66.8	72.5	69.7	68.0
Harley Knox Blvd between Webster Ave and Indian Ave	40			20047	71.2	68.5	66.8	72.5	69.7	68.0
Harley Knox Blvd between Indian Ave and Perris Blvd	40			13650	69.6	66.8	65.1	70.8	68.0	66.3
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.1	2.3	0.1	2.3
Harley Knox Blvd between Webster Ave and Indian Ave	0.1	2.3	0.1	2.3
Harley Knox Blvd between Indian Ave and Perris Blvd	0.1	2.6	0.1	2.6
0	-	-	-	-
0	-	-	-	-

% of ADT				
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			38537	75.8	73.3	71.7	77.1	74.5	73.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			40265	76.0	73.5	71.9	77.2	74.7	73.2
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			43518	74.0	71.5	69.9	75.2	72.7	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			51321	77.1	74.6	73.0	78.3	75.8	74.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			47655	77.8	75.3	73.7	79.0	76.5	74.9

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			38687	75.9	73.3	71.8	77.1	74.6	73.0
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			40425	76.0	73.5	72.0	77.3	74.7	73.2
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			43688	74.0	71.5	69.9	75.2	72.7	71.1
Van Buren Blvd between Village West Dr and Meridian Parkway	50			51491	77.1	74.6	73.0	78.3	75.8	74.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			47985	77.8	75.3	73.7	79.1	76.5	75.0

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.1	0.9	0.0	0.4
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.0	1.1	0.1	0.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.0	1.2	0.0	0.5
Van Buren Blvd between Village West Dr and Meridian Parkway	0.0	2.0	0.0	1.5
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.0	2.5	0.1	2.5

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			50845	77.8	75.4	73.9	79.1	76.7	75.1
Western Way between Nandina Ave and Harlye Knox Blvd	40			3200	64.2	60.9	59.1	65.4	62.1	60.3
Harley Knox Blvd between Harvill Aven and I-215	45			10933	69.2	66.7	65.1	70.4	67.9	66.4
Harley Knox Blvd between I-215 and Western Way	45			44607	76.0	73.2	71.5	77.2	74.4	72.7
Harley Knox Blvd between Western Way and Patterson Ave	45			42110	75.7	72.9	71.2	76.9	74.1	72.4

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			51205	77.9	75.5	73.9	79.1	76.7	75.1
Western Way between Nandina Ave and Harlye Knox Blvd	40			4220	65.4	62.1	60.3	66.6	63.3	61.5
Harley Knox Blvd between Harvill Aven and I-215	45			10983	69.3	66.7	65.2	70.5	68.0	66.4
Harley Knox Blvd between I-215 and Western Way	45			45357	76.0	73.2	71.5	77.2	74.5	72.8
Harley Knox Blvd between Western Way and Patterson Ave	45			42380	75.7	72.9	71.3	77.0	74.2	72.5

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.0	2.9	0.0	2.9
Western Way between Nandina Ave and Harlye Knox Blvd	1.2	5.5	1.2	4.8
Harley Knox Blvd between Harvill Aven and I-215	0.1	1.5	0.1	0.7
Harley Knox Blvd between I-215 and Western Way	0.1	5.0	0.0	4.4
Harley Knox Blvd between Western Way and Patterson Ave	0.1	4.8	0.1	4.4

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2025

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			38160	74.0	71.2	69.6	75.3	72.5	70.8
Harley Knox Blvd between Webster Ave and Indian Ave	40			33825	73.5	70.7	69.0	74.7	71.9	70.3
Harley Knox Blvd between Indian Ave and Perris Blvd	40			23778	72.0	69.2	67.5	73.2	70.4	68.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			38410	74.1	71.3	69.6	75.3	72.5	70.8
Harley Knox Blvd between Webster Ave and Indian Ave	40			34065	73.6	70.8	69.1	74.8	72.0	70.3
Harley Knox Blvd between Indian Ave and Perris Blvd	40			23988	72.0	69.2	67.5	73.2	70.4	68.8
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.0	5.1	0.0	5.1
Harley Knox Blvd between Webster Ave and Indian Ave	0.1	4.6	0.1	4.6
Harley Knox Blvd between Indian Ave and Perris Blvd	0.0	5.0	0.0	5.0
0	-	-	-	-
0	-	-	-	-

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2040

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			27890	75.4	72.5	70.7	76.7	73.7	71.9
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			27140	75.3	72.3	70.6	76.5	73.6	71.8
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			27630	73.5	70.3	68.4	74.7	71.5	69.7
Van Buren Blvd between Village West Dr and Meridian Parkway	50			28990	75.6	72.6	70.9	76.8	73.8	72.1
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			25660	75.4	72.8	71.1	76.6	74.0	72.4

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			53835	77.3	74.8	73.2	78.5	76.0	74.4
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			50429	77.0	74.5	72.9	78.2	75.7	74.1
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			50691	74.7	72.1	70.6	75.9	73.4	71.8
Van Buren Blvd between Village West Dr and Meridian Parkway	50			64950	78.1	75.6	74.0	79.3	76.8	75.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			52110	78.2	75.7	74.1	79.4	76.9	75.3

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	50			53985	77.3	74.8	73.2	78.5	76.0	74.4
Van Buren Blvd between Barton St and Orange Terrace Pkwy	50			50589	77.0	74.5	72.9	78.2	75.7	74.1
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	40			50861	74.7	72.2	70.6	75.9	73.4	71.8
Van Buren Blvd between Village West Dr and Meridian Parkway	50			65120	78.1	75.6	74.0	79.3	76.8	75.2
Van Buren Blvd between Meridian Parkway and Opportunity Way	55			52440	78.2	75.7	74.1	79.4	76.9	75.3

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Van Buren Blvd between Trautwein Boulevard-Cole Ave and Barton St	0.0	2.3	0.0	1.8
Van Buren Blvd between Barton St and Orange Terrace Pkwy	0.0	2.1	0.0	1.7
Van Buren Blvd between Orange Terrace Pkwy and Village West Dr	0.0	1.9	0.0	1.2
Van Buren Blvd between Village West Dr and Meridian Parkway	0.0	3.0	0.0	2.5
Van Buren Blvd between Meridian Parkway and Opportunity Way	0.0	2.9	0.0	2.8

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2040

Existing										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			26130	74.9	72.5	71.0	76.2	73.8	72.2
Western Way between Nandina Ave and Harlye Knox Blvd	40			1010	60.6	56.6	54.5	61.8	57.8	55.7
Harley Knox Blvd between Harvill Aven and I-215	45			6610	68.5	65.3	63.5	69.8	66.5	64.7
Harley Knox Blvd between I-215 and Western Way	45			13230	71.6	68.3	66.5	72.8	69.5	67.7
Harley Knox Blvd between Western Way and Patterson Ave	45			12780	71.4	68.2	66.3	72.6	69.4	67.6
Future No Project										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			55700	78.2	75.8	74.3	79.4	77.0	75.5
Western Way between Nandina Ave and Harlye Knox Blvd	40			4460	65.6	62.4	60.5	66.8	63.6	61.7
Harley Knox Blvd between Harvill Aven and I-215	45			18650	71.6	69.0	67.5	72.8	70.3	68.7
Harley Knox Blvd between I-215 and Western Way	45			46700	76.2	73.4	71.7	77.4	74.6	72.9
Harley Knox Blvd between Western Way and Patterson Ave	45			43850	75.9	73.1	71.4	77.1	74.3	72.6
Future With Project										
	Speed	Traffic Volumes			Leq			CNEL		
Roadway/Segment	MPH	AM	PM	ADT	ROW	25 Feet	50 Feet	ROW	25 Feet	50 Feet
Van Buren Blvd between Opportunity Way and I-215	55			56060	78.3	75.9	74.3	79.5	77.1	75.5
Western Way between Nandina Ave and Harlye Knox Blvd	40			5480	66.5	63.3	61.4	67.7	64.5	62.6
Harley Knox Blvd between Harvill Aven and I-215	45			18700	71.6	69.1	67.5	72.8	70.3	68.7
Harley Knox Blvd between I-215 and Western Way	45			47450	76.2	73.4	71.7	77.4	74.6	73.0
Harley Knox Blvd between Western Way and Patterson Ave	45			44120	75.9	73.1	71.4	77.1	74.3	72.6

CNEL

Summary	25 ft. from ROW		At ROW	
Roadway/Segment	Project Increment	Cumulative Increment	Project Increment	Cumulative Increment
Van Buren Blvd between Opportunity Way and I-215	0.1	3.3	0.1	3.3
Western Way between Nandina Ave and Harlye Knox Blvd	0.9	6.7	0.9	5.9
Harley Knox Blvd between Harvill Aven and I-215	0.0	3.8	0.0	3.0
Harley Knox Blvd between I-215 and Western Way	0.0	5.1	0.0	4.6
Harley Knox Blvd between Western Way and Patterson Ave	0.0	4.9	0.0	4.5

	% of ADT			
Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%

Roadway Traffic Noise Calculations

Project: Veterans Industrial Park 215

High Cube Warehouse

Year 2040

Existing

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			11840	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Webster Ave and Indian Ave	40			11870	69.0	66.2	64.5	70.2	67.4	65.7
Harley Knox Blvd between Indian Ave and Perris Blvd	40			7520	67.0	64.2	62.5	68.2	65.4	63.7
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future No Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			40150	74.3	71.5	69.8	75.5	72.7	71.0
Harley Knox Blvd between Webster Ave and Indian Ave	40			45404	74.8	72.0	70.3	76.0	73.2	71.5
Harley Knox Blvd between Indian Ave and Perris Blvd	40			28411	72.8	70.0	68.3	74.0	71.2	69.5
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

Future With Project

Roadway/Segment	Speed MPH	Traffic Volumes AM	PM	ADT	Leq ROW	Leq 25 Feet	Leq 50 Feet	CNEL ROW	CNEL 25 Feet	CNEL 50 Feet
Harley Knox Blvd between Patterson Ave and Webster Ave	40			40400	74.3	71.5	69.8	75.5	72.7	71.0
Harley Knox Blvd between Webster Ave and Indian Ave	40			45644	74.8	72.0	70.3	76.0	73.2	71.6
Harley Knox Blvd between Indian Ave and Perris Blvd	40			25621	72.3	69.5	67.8	73.5	70.7	69.0
0	0			0	-	-	-	-	-	-
0	0			0	-	-	-	-	-	-

CNEL

Summary Roadway/Segment	25 ft. from ROW Project Increment	25 ft. from ROW Cumulative Increment	At ROW Project Increment	At ROW Cumulative Increment
Harley Knox Blvd between Patterson Ave and Webster Ave	0.0	5.3	0.0	5.3
Harley Knox Blvd between Webster Ave and Indian Ave	0.0	5.8	0.0	5.8
Harley Knox Blvd between Indian Ave and Perris Blvd	-0.5	5.3	-0.5	5.3
0	-	-	-	-
0	-	-	-	-

% of ADT Vehicle Type	Day	Eve	Night	Sub total
Auto	77.6%	9.7%	9.7%	97.0%
Medium Truck	1.6%	0.2%	0.2%	2.0%
Heavy Truck	0.8%	0.1%	0.1%	1.0%
	80.0%	10.0%	10.0%	100.0%