

**Appendix 9a Existing + Project Noise Conditions
[New]**

TRAFFIC NOISE LEVELS

Project Number: D21314.00

Project Name: Huntington Beach Senior Center Supplemental EIR

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.

Analysis Scenario(s): Existing Plus Project Conditions-Weekday

Source of Traffic Volumes: Urban Crossroads

Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition		Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor ¹	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix		Peak Hour L _{eq} dB(A)	24-Hour L _{dn} dB(A)
Roadway Segment	Land Use									Medium Trucks	Heavy Trucks		
Goldenwest Street, north of Slater	Residential	5	12	0	33,690	35	75	0	0	1.8%	0.7%	0.0	68.2
Goldenwest Street, south of Slater	Residential	6	15	0	31,370	35	75	0	0	1.8%	0.7%	0.0	68.2
Goldenwest Street, south of Talbert	Park	6	15	0	30,950	35	75	0	0	1.8%	0.7%	0.0	68.1
Goldenwest Street, south of Ellis	Residential	6	15	0	29,660	35	75	0	0	1.8%	0.7%	0.0	67.9
Slater Avenue, west of Goldenwest	Residential	4	12	0	25,850	35	75	0	0	1.8%	0.7%	0.0	66.9
Slater Avenue, east of Goldenwest	Residential	4	12	0	22,930	35	75	0	0	1.8%	0.7%	0.0	66.4
Talbert Avenue, east of Goldenwest	Park/Library	2	0	0	3,020	25	75	0	0	1.8%	0.7%	0.0	54.4
Ellis Avenue, west of Goldenwest	Residential	4	12	0	7,320	35	75	0	0	1.8%	0.7%	0.0	61.5
Eis Avenue, east of Goldenwest	Residential	4	12	0	9,170	35	75	0	0	1.8%	0.7%	0.0	62.4

¹ Distance is from the centerline of the roadway segment to the receptor location.

TRAFFIC NOISE LEVELS

Project Number: D21314.00
Project Name: Huntington Beach Senior Center Supplemental EIR

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Analysis Scenario(s): Existing Plus Project Conditions-Saturday
 Source of Traffic Volumes: Urban Crossroads
 Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition		Lanes	Median Width	Peak Hour Volume	ADT Volume	Design Speed (mph)	Dist. from Center to Receptor ¹	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix		Peak Hour L _{eq} dB(A)	24-Hour L _{dn} dB(A)
Roadway Segment	Land Use									Medium Trucks	Heavy Trucks		
Goldenwest Street, north of Slater	Residential	5	12	0	26,230	35	75	0	0	1.8%	0.7%	0.0	67.2
Goldenwest Street, south of Slater	Residential	6	15	0	26,280	35	75	0	0	1.8%	0.7%	0.0	67.4
Goldenwest Street, south of Talbert	Park	6	15	0	24,880	35	75	0	0	1.8%	0.7%	0.0	67.2
Goldenwest Street, south of Ellis	Residential	6	15	0	23,230	35	75	0	0	1.8%	0.7%	0.0	66.9
Slater Avenue, west of Goldenwest	Residential	4	12	0	14,430	35	75	0	0	1.8%	0.7%	0.0	64.4
Slater Avenue, east of Goldenwest	Residential	4	12	0	13,120	35	75	0	0	1.8%	0.7%	0.0	64.0
Talbert Avenue, east of Goldenwest	Park/Library	2	0	0	3,610	25	75	0	0	1.8%	0.7%	0.0	55.2
Ellis Avenue, west of Goldenwest	Residential	4	12	0	6,810	35	75	0	0	1.8%	0.7%	0.0	61.2
Eis Avenue, east of Goldenwest	Residential	4	12	0	5,430	35	75	0	0	1.8%	0.7%	0.0	60.2

¹ Distance is from the centerline of the roadway segment to the receptor location.