

## Hyatt Regency Newport Beach - Traffic Volumes per Lane

Roadway Segment	Traffic Per Lane							
	ADT (Year 2006)	Without Project (Year 2012)	With Project (Year 2012)	No. of Lanes	ADT (Year 2006)	Without Project (Year 2012)	With Project (Year 2012)	
1) Jamboree Road north of San Joaquin Hills Road	38,502	48,058	48,322	6	6,417	8,010	8,054	
2) Jamboree Road north of Santa Barbara Drive	34,000	42,381	42,679	6	5,667	7,064	7,113	
3) Jamboree Road north of the Project Entrance (#9)	34,000	42,215	42,545	6	5,667	7,036	7,091	
4) Jamboree Road south of the Project Entrance (#9)	34,000	42,275	42,605	6	5,667	7,046	7,101	
5) Jamboree Road south of Backbay Drive	34,000	42,415	42,745	6	5,667	7,069	7,124	
1) Coast Highway west of Dover Drive	51,515	63,056	63,188	6	8,586	10,509	10,531	
2) Coast Highway west of Bayside Drive	56,667	69,359	69,525	8	7,083	8,670	8,691	
3) Coast Highway west of Jamboree Road	46,364	59,132	59,298	8	5,796	7,392	7,412	
4) Coast Highway east of Jamboree Road	37,091	50,423	50,589	6	6,182	8,404	8,432	
5) Coast Highway east of Newport Center Drive	37,091	50,355	50,521	6	6,182	8,393	8,420	
6) Coast highway east of Avocado Avenue	37,091	49,927	50,059	6	6,182	8,321	8,343	
7) Coast Highway east of Macarthur Blvd	37,091	49,937	50,069	6	6,182	8,323	8,345	
1) San Joaquin Hills Road east of Jamboree Road	18,000	19,350	19,384	6	3,000	3,225	3,231	
1) Santa Barbara Drive east of Jamboree Road	14,524	14,648	14,682	3 WB	2,421	2,441	2,447	
				2 EB	3,631	3,662	3,671	
1) Newport Center Drive north of Coast Highway	10,000	10,538	10,572	6	1,667	1,756	1,762	
1) Macarthur Blvd north of Coast Highway	35,030	43,056	43,122	4	8,758	10,764	10,781	
1) Dover Drive north of Coast Highway	32,000	34,750	34,784	4	8,000	8,688	8,696	
1) Backbay Drive east of Jamboree Road	997	1,107	1,107	2	499	554	554	

Source: Assumes even traffic distribution per lane based on the Traffic Study prepared by IBI Group, November 11, 2007.

## BackBay Drive - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Backbay Drive

RUN:

Roadway

TNM 2.5

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

Roadway Name	Points Width	Points Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft	ft	ft	
EB	16	point5	5	-500		-8	0 Average
		point6	6	500		-8	0
WB	16	point7	7	500		8	0 Average
		point8	8	-500		8	0

### BackBay Drive - Existing Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Backbay Drive TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment ADT	Autos			S	MTrucks			S	HTrucks			S	Buses			S	Motorcycles			
			%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N	
EB	point5	499	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0	0
WB	point6 point7 point8	499	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0	0

### BackBay Drive - Future No Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Backbay Drive  
 RUN: Future No Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			S	MTrucks			S	HTrucks			S	Buses			S	Motorcycles			
			%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N	
EB	point5	554	97	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0
WB	point6 point7 point8	554	97	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0

### BackBay Drive - Future With Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Backbay Drive  
 RUN: Future With Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			S	MTrucks			S	HTrucks			S	Buses			S	Motorcycles			
			%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N		%D	%E	%N	
EB	point5 point6	554	97	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0
WB	point7 point8	554	97	97	97	97	25	2	2	2	25	1	1	1	25	0	0	0	0	0	0	0

## BackBay Drive - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: Backbay Drive

RUN: Receivers TNM 2.5

Receiver

Name	No.	Coordinates (ground)			Height above Ground
		X	Y	Z	
		ft	ft	ft	ft
e/o Jamboree Road	2	0	100	0	4.92

## Dover Drive - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Dover Drive

RUN:

Roadway

TNM 2.5

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft	ft	ft	
SB_right	14	point1	1	-28	500	0	Average
		point2	2	-28	-500	0	
SB_left	14	point5	5	-14	500	0	Average
		point6	6	-14	-500	0	
NB_left	14	point7	7	14	-500	0	Average
		point8	8	14	500	0	
NB_right	14	point11	11	28	-500	0	Average
		point12	12	28	500	0	

### Dover Drive - Existing Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Dover Drive TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	8000	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
SB_left	point2 point5	8000	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_left	point6 point7	8000	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_right	point8 point11 point12	8000	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0

### Dover Drive - Future No Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Dover Drive TNM 2.5  
 RUN: Future No Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	8688	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
SB_left	point2 point5	8688	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_left	point6 point7	8688	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_right	point8 point11 point12	8688	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0

### Dover Drive - Future With Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Dover Drive TNM 2.5  
 RUN: Future With Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	8696	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
SB_left	point2 point5	8696	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_left	point6 point7	8696	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0
NB_right	point8 point11 point12	8696	97	97	97	40	2	2	2	40	1	1	1	40	0	0	0	0	0	0	0

## Dover Drive - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT:

Dover Drive

RUN:

Receivers

TNM 2.5

Receiver

Name

No.

Coordinates (ground)

X

Y

Z

Height

above

Ground

ft

ft

ft

ft

n/o Pacific Coast Highway

1

-100

0

0

4.92

## Jamboree Road - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Jamboree Road

RUN:

Roadway

TNM 2.5

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Segment Pvmnt Type
				X	Y	Z	
	ft			ft	ft	ft	
Link1_SB_right	16	point13	13	-49	2,500	0	Average
		point14	14	-49	1,500	0	
Link2_SB_right	16	point15	15	-49	1,499	0	Average
		point16	16	-49	500	0	
Link3_SB_right	16	point17	17	-49	499	0	Average
		point18	18	-49	-500	0	
Link4_SB_right	16	point19	19	-49	-501	0	Average
		point20	20	-49	-1,500	0	
Link5_SB_right	16	point21	21	-49	-1,501	0	Average
		point22	22	-49	-2,500	0	
Link1_SB_middle	16	point23	23	-33	2,500	0	Average
		point24	24	-33	1,500	0	
Link2_SB_middle	16	point25	25	-33	1,499	0	Average
		point26	26	-33	500	0	
Link3_SB_middle	16	point27	27	-33	499	0	Average
		point28	28	-33	-500	0	
Link5_SB_middle	16	point32	32	-33	-1,501	0	Average
		point33	33	-33	-2,500	0	
Link1_SB_left	16	point34	34	-17	2,500	0	Average
		point35	35	-17	1,500	0	
Link2_SB_left	16	point36	36	-17	1,499	0	Average
		point37	37	-17	500	0	
Link3_SB_left	16	point38	38	-17	499	0	Average
		point39	39	-17	-500	0	
Link4_SB_left	16	point40	40	-17	-501	0	Average
		point41	41	-17	-1,500	0	
Link5_SB_left	16	point42	42	-17	-1,501	0	Average
		point43	43	-17	-2,500	0	
Link5_NB_left	16	point44	44	17	-2,500	0	Average
		point45	45	17	-1,500	0	
Link4_NB_left	16	point46	46	17	-1,499	0	Average
		point47	47	17	-500	0	
Link3_NB_left	16	point48	48	17	-499	0	Average
		point49	49	17	500	0	
Link2_NB_left	16	point50	50	17	501	0	Average
		point51	51	17	1,500	0	
Link1_NB_left	16	point52	52	17	1,501	0	Average
		point53	53	17	2,500	0	
Link5_NB_middle	16	point54	54	33	-2,500	0	Average
		point55	55	33	-1,500	0	
Link4_NB_middle	16	point57	57	33	-1,499	0	Average
		point58	58	33	-500	0	
Link3_NB_middle	16	point59	59	33	-499	0	Average
		point60	60	33	500	0	
Link2_NB_middle	16	point61	61	33	501	0	Average
		point62	62	33	1,500	0	
Link1_NB_middle	16	point63	63	33	1,501	0	Average
		point64	64	33	2,500	0	
Link5_NB_right	16	point65	65	49	-2,500	0	Average
		point66	66	49	-1,500	0	
Link4_NB_right	16	point67	67	49	-1,499	0	Average
		point68	68	49	-500	0	
Link3_NB_right	16	point69	69	49	-499	0	Average
		point70	70	49	500	0	
Link2_NB_right	16	point71	71	49	501	0	Average
		point72	72	49	1,500	0	
Link1_NB_right	16	point73	73	49	1,501	0	Average
		point74	74	49	2,500	0	
Link4_SB_middle	16	point75	75	-33	-501	0	Average
		point76	76	-33	-1,500	0	









## Jamboree Road - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: Jamboree Road

RUN: Receivers

TNM 2.5

Receiver

Name

No.

Coordinates (ground)

X

Y

Z

Height

above

Ground

ft

ft

ft

ft

Jamboree n/o San Joaqui	2	100	2,250	0	4.92
Jamboree n/o Santa Barbara	3	100	750	0	4.92
Jamboree n/o Project Entrance	5	100	0	0	4.92
Jamboree s/o Project Entrance	9	100	-750	0	4.92
Jamboree s/o Backbay Drive	11	100	-2,250	0	4.92

## MacArthur Boulevard - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: MacArthur Boulevard

RUN:

Roadway

TNM 2.5

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft	ft	ft	
SB_right	16	point1	1	-39	500	0	Average
		point2	2	-39	-500	0	
SB_left	16	point5	5	-23	500	0	Average
		point6	6	-23	-500	0	
NB_left	16	point7	7	23	-500	0	Average
		point8	8	23	500	0	
NB_right	16	point11	11	39	-500	0	Average
		point12	12	39	500	0	

### MacArthur Boulevard - Existing Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: MacArthur Boulevard TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	8758	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
SB_left	point2 point5	8758	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_left	point6 point7	8758	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_right	point8 point11 point12	8758	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0

### MacArthur Boulevard - Future No Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: MacArthur Boulevard TNM 2.5  
 RUN: Future No Project

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	10764	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
SB_left	point2 point5	10764	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_left	point6 point7	10764	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_right	point8 point11 point12	10764	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0

### MacArthur Boulevard - Future With Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: MacArthur Boulevard TNM 2.5  
 RUN: Future With Project

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			%D	%E	%		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
			veh/24hrs	%	%		mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%
SB_right	point1	10781	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
SB_left	point2 point5	10781	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_left	point6 point7	10781	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0
NB_right	point8 point11 point12	10781	97	97	97	50	2	2	2	50	1	1	1	50	0	0	0	0	0	0	0

## MacArthur Boulevard - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: MacArthur Boulevard

RUN: Receivers TNM 2.5

Receiver

Name	No.	Coordinates (ground)			Height above Ground
		X	Y	Z	
		ft	ft	ft	ft
n/o Pacific Coast Highwa	1	-100	0	0	4.92

## Newport Center Drive - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Newport Center Drive

RUN:

Roadway

TNM 2.5

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

Roadway Name	Points Width	Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft	ft	ft	
SB_right	12	point1	1	-42.5	500	0	Average
		point2	2	-42.5	-500	0	
SB_middle	12	point3	3	-30.5	500	0	Average
		point4	4	-30.5	-500	0	
SB_left	12	point5	5	-18.5	500	0	Average
		point6	6	-18.5	-500	0	
NB_left	12	point7	7	18.5	-500	0	Average
		point8	8	18.5	500	0	
NB_middle	12	point9	9	30.5	-500	0	Average
		point10	10	30.5	500	0	
NB_right	12	point11	11	42.5	-500	0	Average
		point12	12	42.5	500	0	



### Newport Center Drive - Existing Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Newport Center Drive TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
SB_right	point1	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_middle	point2	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_left	point3	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_left	point4	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_middle	point5	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_right	point6	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point7	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point8	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point9	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point10	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point11	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point12	1667	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

### Newport Center Drive - Future No Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Newport Center Drive TNM 2.5  
 RUN: Future No Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
SB_right	point1	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_middle	point2	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_left	point3	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_left	point4	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_middle	point5	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_right	point6	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point7	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point8	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point9	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point10	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point11	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point12	1756	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

### Newport Center Drive - Future With Project Traffic

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: Newport Center Drive TNM 2.5  
 RUN: Future With Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
SB_right	point1	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_middle	point2	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
SB_left	point3	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_left	point4	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_middle	point5	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
NB_right	point6	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point7	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point8	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point9	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point10	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point11	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
	point12	1762	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

## Newport Center Drive - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: Newport Center Drive

RUN: Receivers

TNM 2.5

Receiver

Name

No.

Coordinates (ground)

X

Y

Z

Height

above

Ground

ft

ft

ft

ft

n/o Pacific Coast Highwa

1

-100

0

0

4.92

## Pacific Coast Highway - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Pacific Coast Highway

RUN: Roadway

TNM 2.5

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Segment Pvmnt Type
				X	Y	Z	
	ft			ft	ft	ft	
Link1_WB_right	16	point1	1	-2,501		45	0 Average
		point2	2	-3,500		45	0
Link1_WB_middle	16	point3	3	-2,501		29	0 Average
		point4	4	-3,500		29	0
Link1_WB_left	16	point5	5	-2,501		13	0 Average
		point6	6	-3,500		13	0
Link1_EB_left	16	point7	7	-3,500		-13	0 Average
		point8	8	-2,501		-13	0
Link1_EB_middle	16	point9	9	-3,500		-29	0 Average
		point10	10	-2,501		-29	0
Link1_EB_right	16	point11	11	-3,500		-45	0 Average
		point12	12	-2,501		-45	0
Link2_WB_right	16	point13	13	-1,501		61	0 Average
		point14	14	-2,500		61	0
Link2_WB_middleright	16	point16	16	-1,501		45	0 Average
		point17	17	-2,500		45	0
Link2_WB_middleleft	16	point18	18	-1,501		29	0 Average
		point19	19	-2,500		29	0
Link2_WB_left	16	point20	20	-1,501		13	0 Average
		point21	21	-2,500		13	0
Link2_EB_left	16	point22	22	-2,500		-13	0 Average
		point23	23	-1,501		-13	0
Link2_EB_middleleft	16	point24	24	-2,500		-29	0 Average
		point25	25	-1,501		-29	0
Link2_EB_middleright	16	point26	26	-2,500		-45	0 Average
		point27	27	-1,501		-45	0
Link2_EB_right	16	point28	28	-2,500		-61	0 Average
		point29	29	-1,501		-61	0
Link3_WB_right	16	point30	30	-501		61	0 Average
		point31	31	-1,500		61	0
Link3_WB_middleright	16	point32	32	-501		45	0 Average
		point33	33	-1,500		45	0
Link3_WB_middleleft	16	point34	34	-501		29	0 Average
		point35	35	-1,500		29	0
Link3_WB_left	16	point36	36	-501		13	0 Average
		point37	37	-1,500		13	0
Link3_EB_left	16	point38	38	-1,500		-13	0 Average
		point39	39	-501		-13	0
Link3_EB_middleleft	16	point40	40	-1,500		-29	0 Average
		point41	41	-501		-29	0
Link3_EB_middleright	16	point42	42	-1,500		-45	0 Average
		point43	43	-501		-45	0
Link3_EB_right	16	point44	44	-1,500		-61	0 Average
		point45	45	-501		-61	0
Link4_WB_right	15	point46	46	500		52	0 Average
		point47	47	-500		52	0
Link4_WB_middle	15	point48	48	500		37	0 Average
		point49	49	-500		37	0
Link4_WB_left	15	point50	50	500		22	0 Average
		point51	51	-500		22	0
Link4_EB_left	15	point52	52	-500		-22	0 Average
		point53	53	500		-22	0
Link4_EB_middle	15	point54	54	-500		-37	0 Average
		point55	55	500		-37	0
Link4_EB_right	15	point56	56	-500		-52	0 Average

## Pacific Coast Highway - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Pacific Coast Highway

RUN:

Roadway

TNM 2.5

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Segment Pvmnt Type
				X	Y	Z	
	ft			ft	ft	ft	
		point57	57	500		-52	0
Link5_WB_right	15	point58	58	1,500		52	0 Average
		point59	59	501		52	0
Link5_WB_middle	15	point60	60	1,500		37	0 Average
		point61	61	501		37	0
Link5_WB_left	15	point62	62	1,500		22	0 Average
		point63	63	501		22	0
Link5_EB_left	15	point64	64	501		-22	0 Average
		point65	65	1,500		-22	0
Link5_EB_middle	15	point66	66	501		-37	0 Average
		point67	67	1,500		-37	0
Link5_EB_right	15	point68	68	501		-52	0 Average
		point69	69	1,500		-52	0
Link6_WB_right	15	point70	70	2,500		52	0 Average
		point71	71	1,501		52	0
Link7_WB_right	15	point72	72	3,500		52	0 Average
		point73	73	2,501		52	0
Link6_WB_middle	15	point74	74	2,500		37	0 Average
		point75	75	1,501		37	0
Link7_WB_middle	15	point76	76	3,500		37	0 Average
		point77	77	2,501		37	0
Link6_WB_left	15	point78	78	2,500		22	0 Average
		point79	79	1,501		22	0
Link7_WB_left	15	point80	80	3,500		22	0 Average
		point81	81	2,501		22	0
Link6_EB_left	15	point82	82	1,501		-22	0 Average
		point83	83	2,500		-22	0
Link7_EB_left	15	point84	84	2,501		-22	0 Average
		point85	85	3,500		-22	0
Link6_EB_middle	15	point86	86	1,501		-37	0 Average
		point87	87	2,500		-37	0
Link7_EB_middle	15	point88	88	2,501		-37	0 Average
		point89	89	3,500		-37	0
Link6_EB_right	15	point90	90	1,501		-52	0 Average
		point91	91	2,500		-52	0
Link7_EB_right	15	point92	92	2,501		-52	0 Average
		point93	93	3,500		-52	0







**Pacific Coast Highway - Existing Traffic**

INPUT: TRAFFIC FOR Lden  
 PROJECT/CONTRACT: Pacific Coast Highway TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment	Autos			MTrucks			HTrucks			Buses			Motorcycles		
			veh/24hrs	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S	%D	%E

**Pacific Coast Highway - Caltrans Data**

PCH Percent Cars, Medium Duty Trucks, and Heavy-Duty Trucks  
 Source: Caltrans, 2006, November, 2005 Annual Average Daily Truck Traffic on the California State Highway System. (closest route marker: Newport Beach, Jct. route. 55, Newport Beach, Before)

AADT Total	Truck AADT	By Axle			
		2	3	4	5+
51000	581	447	80	27	27

Total Light Duty Autos	50419	Percent	98.9%
Total Medium Duty Trucks	447	Percent	0.9%
Total Heavy Duty Trucks	134	Percent	0.3%



RTE	DIST	CNTY	POST MILE	L E G	DESCRIPTION	VEHICLE AADT TOTAL	TRUCK AADT TOTAL	TRUCK % TOT VEH	TRUCK AADT TOTAL				% TRUCK AADT				EAL 1-WAY (1000)	YEAR VER/ EST
									-----	By	Axle	-----	-----	By	Axle	-----		
									2	3	4	5+	2	3	4	5+		
001	12	ORA	R.129	A	DANA POINT, JCT. RTE. 5	38500	2395	6.22	813	1133	321	128	33.93	47.32	13.39	5.36	224	03E
001	12	ORA	R.78	A	DANA POINT, DOHENY PARK ROAD	48500	2362	4.87	801	1118	316	127	33.93	47.32	13.39	5.36	221	03E
001	12	ORA	9.418	B	LAGUNA BEACH, JCT. RTE. 133 NORTH	40000	696	1.74	272	320	64	40	39.08	45.98	9.2	5.75	62	03E
001	12	ORA	9.418	A	LAGUNA BEACH, JCT. RTE. 133 NORTH	43500	757	1.74	296	348	70	44	39.08	45.98	9.2	5.75	68	03E
001	12	ORA	16.248	B	JCT. RTE. 73 NORTH	37500	716	1.91	516	110	12	78	72.13	15.3	1.64	10.93	57	00E
001	12	ORA	16.248	A	JCT. RTE. 73 NORTH	37500	506	1.35	389	70	23	23	76.92	13.85	4.62	4.62	31	00E
001	12	ORA	19.797	B	NEWPORT BEACH, JCT. RTE. 55, NEWPORT BOULEVARD	51000	581	1.14	447	80	27	27	76.92	13.85	4.62	4.62	36	00E
001	12	ORA	19.797	A	NEWPORT BEACH, JCT. RTE. 55, NEWPORT BOULEVARD	44500	356	.8	245	56	11	45	68.75	15.63	3.13	12.5	31	00E
001	12	ORA	21.549	B	SANTA ANA RIVER BRIDGE	37000	259	.7	178	40	8	32	68.75	15.63	3.13	12.5	22	00E
001	12	ORA	23.739	B	HUNTINGTON BEACH, JCT. RTE. 39 NORTH, BEACH BOULEVARD	41500	332	.8	228	52	10	42	68.75	15.63	3.13	12.5	29	00E
001	07	LA	0	A	ORANGE COUNTY LINE	41000	1099	2.68	778	176	45	101	70.75	15.98	4.09	9.18	85	05E
001	07	LA	1.973	B	LONG BEACH, JCT. RTE. 22, SEVENTH STREET	28500	764	2.68	541	122	31	70	70.75	15.98	4.09	9.18	59	05V
001	07	LA	1.973	A	LONG BEACH, JCT. RTE. 22, SEVENTH STREET	37500	1174	3.13	701	135	45	293	59.69	11.54	3.82	24.95	145	05V
001	07	LA	3.557	B	LONG BEACH, LAKEWOOD BOULEVARD	36000	1127	3.13	673	130	43	281	59.69	11.54	3.82	24.95	139	05E
001	07	LA	3.557	A	LONG BEACH, LAKEWOOD BOULEVARD	42500	1330	3.13	794	153	51	332	59.69	11.54	3.82	24.95	164	05E

## Pacific Coast Highway - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: Pacific Coast Highway

RUN: Receivers

TNM 2.5

Receiver

Receiver Name	No.	Coordinates (ground)			Height above Ground
		X	Y	Z	
		ft	ft	ft	ft
w/o Dover Drive	1	-3,000	100	0	4.92
w/o Bayside Drive	3	-2,000	100	0	4.92
w/o Jamborree Road	5	-1,000	100	0	4.92
e/o Jamboree Road	7	0	100	0	4.92
e/o Newport Center Drive	9	1,000	100	0	4.92
e/o Avocado Avenue	11	2,000	100	0	4.92
e/o MacArthur Boulevard	13	3,000	100	0	4.92

## San Joaquin Hills Road - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: San Joaquin Hills Road

RUN:

Roadway

TNM 2.5

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

Roadway Name	Points Width	Points Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft		ft	
EB_right	14	point1	1	-500	-50	0	Average
		point2	2	500	-50	0	
EB_middle	14	point3	3	-500	-36	0	Average
		point4	4	500	-36	0	
EB_Left	14	point5	5	-500	-22	0	Average
		point6	6	500	-22	0	
WB_left	14	point7	7	500	22	0	Average
		point8	8	-500	22	0	
WB_middle	14	point9	9	500	36	0	Average
		point10	10	-500	36	0	
WB_right	14	point11	11	500	50	0	Average
		point12	12	-500	50	0	

**San Joaquin Hills Road - Existing Traffic**

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: San Joaquin Hills Road TNM 2.5  
 RUN: Existing Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
EB_right	point1	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_middle	point2	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_Left	point3	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point4	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point5	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point6	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point7	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point8	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point9	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point10	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point11	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point12	3000	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

**San Joaquin Hills Road - Future No Project Traffic**

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: San Joaquin Hills Road TNM 2.5  
 RUN: Future No Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
EB_right	point1	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_middle	point2	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_Left	point3	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_Left	point4	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point5	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point6	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point7	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point8	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point9	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point10	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point11	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point12	3225	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

**San Joaquin Hills Road - Future With Project Traffic**

INPUT: TRAFFIC FOR Lden

PROJECT/CONTRACT: San Joaquin Hills Road TNM 2.5  
 RUN: Future With Project Traffic

Roadway Name	Points Name	Segment ADT	Autos			%N	MTrucks			HTrucks			Buses			Motorcycles					
			veh/24hrs	%D	%E		S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S		
EB_right	point1	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_right	point2	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_middle	point3	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_Left	point4	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
EB_Left	point5	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point6	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point7	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_left	point8	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point9	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_middle	point10	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point11	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0
WB_right	point12	3231	97	97	97	45	2	2	2	45	1	1	1	45	0	0	0	0	0	0	0

## San Joaquin Hills Road - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: San Joaquin Hills Road

RUN: Receivers

TNM 2.5

Receiver

Name

No.

Coordinates (ground)

X

Y

Z

Height

above

Ground

ft

ft

ft

ft

e/o Jamboree Road

2

0

100

0

4.92

## Santa Barbara Drive - Roadway

INPUT: ROADWAYS

PROJECT/CONTRACT: Santa Barbara Drive

RUN:

Roadway

TNM 2.5

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

Roadway Name	Points Width	Points Name	No.	Coordinates (pavement)			Segment Pvmt Type
				X	Y	Z	
	ft			ft	ft	ft	
EB_right	12	point1	1	-500	-25	0	Average
		point2	2	500	-25	0	
EB_Left	12	point5	5	-500	-13	0	Average
		point6	6	500	-13	0	
WB_left	12	point7	7	500	13	0	Average
		point8	8	-500	13	0	
WB_middle	12	point9	9	500	25	0	Average
		point10	10	-500	25	0	
WB_right	12	point11	11	500	37	0	Average
		point12	12	-500	37	0	



## Santa Barbara Drive - Receivers

---

INPUT: RECEIVERS

PROJECT/CONTRACT: Santa Barbara Drive

RUN: Receivers

TNM 2.5

Receiver

Name

No.

Coordinates (ground)

X

Y

Z

Height

above

Ground

e/o Jamboree Road	2	ft	0	ft	100	ft	0	ft	4.92
-------------------	---	----	---	----	-----	----	---	----	------



## Existing Noise Levels - BackBay Drive

---

Calculated with TNM 2.5

### RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Hyatt Regency Newport Beach  
RUN: Backbay Drive - Existing Conditions  
BARRIER DESIGN: Receptors at 5 -feet

ATMOSPHERICS: 68 deg F, 50% RH

Receiver Name: Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

		No Barrier Lden Calculated dBA	
e/o Jamboree Road	Feet from centerline	100	48.8

## Future No Project Noise Levels - BackBay Drive

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Backbay Drive - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier  
Lden  
Calculated  
dBA

	Feet from centerline		
e/o Jamboree Road	100		49.3

## Future With Project Noise Levels - BackBay Drive

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Dover Drive - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier  
Lden  
Calculated  
dBA

	Feet from centerline		
e/o Jamboree Road	100		49.3

## Existing Noise Levels - Dover Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Dover Drive - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

n/o Pacific Coast Highway

100

68.7

## Future No Project Noise Levels - Dover Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Dover Drive - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

n/o Pacific Coast Highway

100

69.1

## Future With Project Noise Levels - Dover Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Dover Drive - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

n/o Pacific Coast Highway

100

69.1

## Existing Noise Levels - Jamboree Road

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Jamboree Road - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

Jamboree n/o San Joaquin Road	100	74.1
Jamboree n/o Santa Barbara Drive	100	73.7
Jamboree n/o Project Entrance	100	73.6
Jamboree s/o Project Entrance	100	73.7
Jamboree s/o Backbay Drive	100	73.5

## Future No Project Noise Levels - Jamboree Road

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Jamboree Road - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

Feet from centerline dBA

Jamboree n/o San Joaquin Road	100	75.0
Jamboree n/o Santa Barbara Drive	100	74.6
Jamboree n/o Project Entrance	100	74.6
Jamboree s/o Project Entrance	100	74.6
Jamboree s/o Backbay Drive	100	74.4



## Future With Project Noise Levels - Jamboree Road

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Jamboree Road - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

Feet from centerline    dBA

Jamboree n/o San Joaquin Road	100	75.0
Jamboree n/o Santa Barbara Drive	100	74.7
Jamboree n/o Project Entrance	100	74.6
Jamboree s/o Project Entrance	100	74.7
Jamboree s/o Backbay Drive	100	74.4

## Existing Noise Levels - MacArthur Boulevard

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

MacArthur Boulevard - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

n/o Pacific Coast Highway

100

65.9

## Future No Project Noise Levels - MacArthur Boulevard

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

MacArthur Boulevard - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier  
Lden  
Calculated  
dBA

n/o Pacific Coast Highway	Feet from centerline	100	74.1
---------------------------	----------------------	-----	------

## Future With Project Noise Levels - MacArthur Boulevard

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

MacArthur Boulevard - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier

Lden

Calculated

dBA

	Feet from centerline		
n/o Pacific Coast Highway	100		74.1

## Existing Noise Levels - Newport Center Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Newport Center Drive - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

	No Barrier	
	Lden	
	Calculated	
	Feet from centerline	dBA
n/o Pacific Coast Highway	100	65.9

## Future No Project Noise Levels - Newport Center Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Newport Center Drive - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

Feet from centerline      dBA

n/o Pacific Coast Highway

100

66.2

## Future With Project Noise Levels - Newport Center Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Newport Center Drive - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier

Lden

Calculated

Feet from centerline      dBA

n/o Pacific Coast Highway

100

66.2

## Existing Noise Levels - Pacific Coast Highway

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Pacific Coast Highway - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

		No Barrier Lden Calculated dBA
w/o Dover Drive	100	71.7
w/o Bayside Drive	100	75.9
w/o Jamborree Road	100	75.1
e/o Jamboree Road	100	72.4
e/o Newport Center Drive	100	72.3
e/o Avocado Avenue	100	72.2
e/o MacArthur Boulevard	100	69.1



## Future No Project Noise Levels - Pacific Coast Highway

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Hyatt Regency Newport Beach  
RUN: Pacific Coast Highway - Future No Project  
BARRIER DESIGN: Receptors at 5 -feet

ATMOSPHERICS: 68 deg F, 50% RH

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

	Feet from centerline	No Barrier Lden Calculated dBA	
w/o Dover Drive	100	72.6	
w/o Bayside Drive	100	76.8	
w/o Jamborree Road	100	76.1	
e/o Jamboree Road	100	73.7	
e/o Newport Center Drive	100	73.6	
e/o Avocado Avenue	100	73.5	
e/o MacArthur Boulevard	100	70.4	

## Future With Project Noise Levels - Pacific Coast Highway

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Pacific Coast Highway - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

w/o Dover Drive	100	72.6
w/o Bayside Drive	100	76.8
w/o Jamborree Road	100	76.1
e/o Jamboree Road	100	73.7
e/o Newport Center Drive	100	73.6
e/o Avocado Avenue	100	73.5
e/o MacArthur Boulevard	100	70.4

## Existing Noise Levels - San Joaquin Hills Road

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

San Joaquin Hills Road - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

e/o Jamboree Road

100

69.4

## Future No Project Noise Levels - San Joaquin Hills Road

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

San Joaquin Hills Road - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

		No Barrier Lden Calculated dBA	
e/o Jamboree Road	Feet from centerline	100	69.7

## **Future With Project Noise Levels - San Joaquin Hills Road**

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

San Joaquin Hills Road - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

dBA

Feet from centerline

e/o Jamboree Road

100

69.7

## Existing Noise Levels - Santa Barbara Drive

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Santa Barbara Drive - Existing Conditions

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier

Lden

Calculated

dBA

Feet from centerline

e/o Jamboree Road

100

65.5

## **Future No Project Noise Levels - Santa Barbara Drive**

---

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Santa Barbara Drive - Future No Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver

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

Name

No Barrier

Lden

Calculated

Feet from centerline

dBA

e/o Jamboree Road

100

65.6

## Future With Project Noise Levels - Santa Barbara Drive

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Hyatt Regency Newport Beach

RUN:

Santa Barbara Drive - Future With Project

BARRIER DESIGN:

Receptors at 5 -feet

ATMOSPHERICS:

68 deg F, 50% RH

Receiver  
Name

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

No Barrier

Lden

Calculated

Feet from centerline dBA

e/o Jamboree Road

100

65.6



**Table 5.9-9  
Existing Traffic Noise Levels  
(dBA CNEL)**

Segment	Existing Year 2006	
	ADT Volumes	CNEL (dBA @ 100 ft)
<b>Jamboree Road</b>		
n/o San Joaquin Hills Road	38,502	74.1
n/o Santa Barbara Drive	34,000	73.7
n/o Hyatt Regency Entrance	34,000	73.6
s/o Hyatt Regency Entrance	34,000	73.7
s/o Backbay Drive	34,000	73.5
<b>Pacific Coast Highway (SR-1)</b>		
w/o Dover Drive	51,515	71.7
w/o Bayside Drive	56,667	75.9
w/o Jamboree Road	46,364	75.1
e/o Jamboree Road	37,091	72.4
e/o Newport Center Drive	37,091	72.3
e/o Avocado Avenue	37,091	72.2
e/o MacArthur Boulevard	37,091	69.1
<b>San Joaquin Hills Road</b>		
e/o Jamboree Road	18,000	69.4
<b>Santa Barbara Drive</b>		
e/o Jamboree Road	14,524	65.5
<b>Newport Center Drive</b>		
n/o Pacific Coast Highway	10,000	65.9
<b>MacArthur Boulevard</b>		
n/o Pacific Coast Highway	35,030	65.9
<b>Dover Drive</b>		
n/o Pacific Coast Highway	32,000	68.7
<b>Backbay Drive</b>		
e/o Jamboree Road	997	48.8

e/o: east of; w/o: west of; n/o: north of; s/o: south of

Note: Traffic noise levels within 50 feet of the roadway centerline requires site-specific analysis

Source: Federal Highway Administration, Traffic Noise Prediction Model. The Planning Center. Based on traffic volumes and speed limits obtained from the Traffic Analysis prepared by IBI Group, Revised November 2007.

**Hyatt Regency at Newport Beach Expansion Project  
Year 2012 Without Project vs. With Project Traffic Noise Modeling**

Location	Existing CNEL (dBA @ 100 feet from centerline)	2012 w/o Project		Year 2012 with Project		Increase in CNEL (dBA) from Existing	Increase in CNEL (dBA) Due to Project	Significant based on Newport Beach GP Standards
		ADT	CNEL	ADT	CNEL			
		(dBA @ 100 feet from centerline)	(dBA @ 100 feet from centerline)	(dBA @ 100 feet from centerline)	(dBA @ 100 feet from centerline)			
<b>Jamboree Road</b>								
n/o San Joaquin Hills Road	74.1	48,058	75.0	48,322	75.0	0.9	0.0	No
n/o Santa Barbara Drive	73.7	42,381	74.6	42,679	74.7	1.0	0.1	No
n/o Hyatt Regency Entrance	73.6	42,215	74.6	42,545	74.6	1.0	0.0	No
s/o Hyatt Regency Entrance	73.7	42,275	74.6	42,605	74.7	1.0	0.1	No
s/o Backbay Drive	73.5	42,415	74.4	42,745	74.4	0.9	0.0	No
<b>Pacific Coast Highway (SR-1)</b>								
w/o Dover Drive	71.7	63,056	72.6	63,188	72.6	0.9	0.0	No
w/o Bayside Drive	75.9	69,359	76.8	69,525	76.8	0.9	0.0	No
w/o Jamboree Road	75.1	59,132	76.1	59,298	76.1	1.0	0.0	No
e/o Jamboree Road	72.4	50,423	73.7	50,589	73.7	1.3	0.0	No
e/o Newport Center Drive	72.3	50,355	73.6	50,521	73.6	1.3	0.0	No
e/o Avocado Avenue	72.2	49,927	73.5	50,059	73.5	1.3	0.0	No
e/o MacArthur Boulevard	69.1	49,937	70.4	50,069	70.4	1.3	0.0	No
<b>San Joaquin Hills Road</b>								
e/o Jamboree Road	69.4	19,350	69.7	19,384	69.7	0.3	0.0	No
<b>Santa Barbara Drive</b>								
e/o Jamboree Road	65.5	14,648	65.6	14,682	65.6	0.1	0.0	No
<b>Newport Center Drive</b>								
n/o Pacific Coast Highway	65.9	10,538	66.2	10,572	66.2	0.3	0.0	No
<b>MacArthur Boulevard</b>								
n/o Pacific Coast Highway	65.9	43,056	74.1	43,122	74.1	8.2	0.0	No
<b>Dover Drive</b>								
n/o Pacific Coast Highway	68.7	34,750	69.1	34,784	69.1	0.4	0.0	No
<b>Backbay Drive</b>								
e/o Jamboree Road	48.8	1,107	49.3	1,107	49.3	0.5	0.0	No

e/o: east of; w/o: west of; n/o: north of; s/o: south of

Noise-sensitive residential uses are located approximately 100 feet from the centerline.

Source: The Planning Center, Federal Highway Administration Traffic Noise Prediction Model. Based on traffic volumes and speed limits obtained in the Traffic Impact Analysis prepared by IBI Group dated Revised November 2007.

**Hyatt Regency at Newport Beach - Interior Noise Levels**

Noise levels at new structures at the Hyatt Regency at Newport Beach  
assumes 4.5 dBA per doubling distance

**66.4 dBA CNEL**  
with windows Open\*  
**54.4 dBA CNEL**  
with windows Closed\*

\* Society of Automotive Engineers, Inc., House Noise - Reduction Measurements for Use in Studies of Aircraft Flyover Noise, AIR 1081, October 1971

## Hyatt Regency at Newport Beach Expansion Project - Noise Monitoring

January 3, 2007 conducted in the morning peak hour between 7:00 a.m. and 9:00 a.m.

<b>Site</b>	<b>Date</b>	<b>Time</b>	<b>Duration</b>	<b>Leq</b>	<b>SEL</b>	<b>Lmax</b>	<b>Lmin</b>	<b>Peak</b>	<b>L(2)</b>	<b>L(8)</b>	<b>L(16)</b>	<b>L(25)</b>	<b>L(50)</b>	<b>L(90)</b>
Jamboree Road, eastern project boundary	3-Jan	7:16 AM	900	67.7	97.3	76.8	49.1	100.7	74.4	72.3	70.6	69.3	65.5	55.3
Backbay Road, southern project boundary	3-Jan	7:37 AM	900	59.4	88.9	77.3	47.9	100.3	67.4	63.4	60.6	58.6	55.3	51.2
Backbay Road, western project boundary	3-Jan	7:57 AM	900	58.9	88.5	71.1	45.1	84.2	68.8	64.5	60.4	57.2	51.1	46.9
Backbay Road, northwest of project boundary	3-Jan	8:17 AM	900	58.2	87.7	71.1	39.3	86.2	68.4	64	59.7	54.4	47.9	42.4

# Hyatt Regency at Newport Beach Expansion Project

hard or soft

## Construction Noise at 50 Feet (dBA Leq)

50

0

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground	83	83
Clearing/Demolition		
Excavation	88	75
Foundation Construction	81	81
Building Construction	81	65
Finishing and Site Cleanup	88	72

## Construction Noise at 90 Feet (dBA Leq)

90

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Grading		
	78	78
Excavation	83	70
Foundation Construction	76	76
Building Construction	76	60
Finishing and Site Cleanup		
	83	67

## Construction Noise at 150 Feet (dBA Leq)

150

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground	73	73
Clearing/Demolition		
Excavation	78	65
Foundation Construction	71	71
Building Construction	71	55
Finishing and Site Cleanup	78	62

# Hyatt Regency at Newport Beach Expansion Project

## Construction Noise at 215 Feet (dBA Leq)

215

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Grading	70	70
Excavation	75	62
Foundation Construction	68	68
Building Construction	68	52
Finishing and Site Cleanup	75	59

## Construction Noise at 675 Feet (dBA Leq)

675

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Demolition	60	60
Excavation	65	52
Foundation Construction	58	58
Building Construction	58	42
Finishing and Site Cleanup	65	49

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Domestic Housing

Construction generated Vibration

Hyatt Regency at Newport Beach Expansion Project

Construction generated Vibration		BayView Senior Housing		Distance	180
Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate RMS a Velocity at 25 ft, inch/second	Approximate Velocity Level, VdB	Approximate RMS a Velocity at 180 ft, inch/second	
Large bulldozer	87	0.089	70	0.0046	
Small bulldozer	58	0.003	41	0.0002	
Jackhammer	79	0.035	62	0.0018	
Loaded trucks	86	0.076	69	0.0039	
		<b>Criteria</b>	<b>80</b>	<b>0.2</b>	

Construction generated Vibration		Sea Island Residential		Distance	340
Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate RMS a Velocity at 25 ft, inch/second	Approximate Velocity Level, VdB	Approximate RMS a Velocity at 340 ft, inch/second	
Large bulldozer	87	0.089	64	0.0018	
Small bulldozer	58	0.003	35	0.0001	
Jackhammer	79	0.035	56	0.0007	
Loaded trucks	86	0.076	63	0.0015	
		<b>Criteria</b>	<b>80</b>	<b>0.2</b>	

<sup>1</sup>. Determined based on use of jackhammers or pneumatic hammers that may be used for pavement demolition at a distance of 25 feet  
 Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.  
 Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (1995).



# Hyatt Regency at Newport Beach Expansion Project

## Reduced Intensity Alternative - No Ballroom

### Construction Noise at 50 Feet (dBA Leq)

50 hard or soft 0

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Demolition	83	83
Excavation	88	75
Foundation Construction	81	81
Building Construction	81	65
Finishing and Site Cleanup	88	72

### Construction Noise at 800 Feet (dBA Leq)

800

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Grading	59	59
Excavation	64	51
Foundation Construction	57	57
Building Construction	57	41
Finishing and Site Cleanup	64	48

### Construction Noise at 150 Feet (dBA Leq)

150

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Demolition	73	73
Excavation	78	65
Foundation Construction	71	71
Building Construction	71	55
Finishing and Site Cleanup	78	62



# Hyatt Regency at Newport Beach Expansion Project

## Reduced Intensity Alternative - No Ballroom

hard or soft

### Construction Noise at 925 Feet (dBA Leq)

925

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Grading	58	58
Excavation	63	50
Foundation Construction	56	56
Building Construction	56	40
Finishing and Site Cleanup	63	47

### Construction Noise at 675 Feet (dBA Leq)

675

Construction Phase	All Applicable Equipment in Use <sup>1</sup>	Minimum Required Equipment in Use <sup>1</sup>
Ground Clearing/Demolition	60	60
Excavation	65	52
Foundation Construction	58	58
Building Construction	58	42
Finishing and Site Cleanup	65	49

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Domestic Housing