

**Appendix I:
Noise Supporting Information**

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I.1 - Noise Survey Sheets

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Project Number: 2491.0031
 Project Name: CityWalk Master Plan
 Test Personnel: Spencer P.

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Noise Measurement Survey

Site Number: LT-1 Date: 1/31/2020 Time: From 2:13 pm To 11:57 am
1/29/2020 1/31/2020

Site Location:
75 feet east of Bishop Drive, on top of hill adjacent to west Lake of 2600 Bishop Ranch, north of San Ramon Marriott parking lot, approx 1000 feet south of Executive Plaza/Bishop Drive intersection

Primary Noise Sources: _____

Measurement Results

	dBA
Leq	73.6
Lmax	90.6
Lmin	45.5
L5	76.8
L10	76.3
L50	73.7
L90	63.6
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT
 Settings: A-Weighted Other

Measured Difference: 0.04 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
4.2	1.4	65.7	
Comments: <u>Sunny, clear day</u>			

Project Number: 2491.0031
 Project Name: CityWalk Master Plan
 Test Personnel: Spencer P.

Sheet of

Noise Measurement Survey

Site Number: LT-2 Date: 11/31/2020 Time: From 3:28pm To 12:00pm
11/29/2020 11/31/2020

Site Location:
Northwest corner of Camino Ramon intersection w/ entrance to 2600 Bishop Ranch
Approximately 200 feet northeast of East Lake

Primary Noise Sources: Traffic along Camino Ramon

Measurement Results

	dBA
Leq	57.7
Lmax	82.7
Lmin	38.0
L5	63.0
L10	61.7
L50	54.5
L90	43.6
Ldn	—
CNEL	—

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT
 Settings: A-Weighted Other

Measured Difference: -0.06 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)	
4.2	1.4	65.7	—	
Comments: <u>Sunny, clear day w/NO wind</u>				

Project Number: 2491.0031
 Project Name: CityWalk Master Plan
 Test Personnel: Spencer P.

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Noise Measurement Survey

Site Number: ST-3 Date: 1/31/2020 Time: From 1:06 pm To 1:22 pm

Site Location:
Southeast corner of Bollinger Canyon Road / Camino Ramon intersection behind development sign 250 feet to center of roadway

Primary Noise Sources: Automobile traffic

Measurement Results

	dBA
Leq	62.2
Lmax	77.6
Lmin	47.7
L5	67.6
L10	66.0
L50	58.4
L90	53.9
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT
 Settings: A-Weighted Other

Measured Difference: 0.04 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
4.2	1.4	65.9	
Comments: <u>Sunny, clear day with little to no wind</u>			

Project Number: 2491.0031
 Project Name: Citywalk Master Plan
 Test Personnel: Spencer P.

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Noise Measurement Survey

Site Number: ST-2 Date: 1/31/2020 Time: From 12:42 To 12:57

Site Location:
Northwest corner of Bishop Drive / Camino Ramon intersection; 100 feet to center of intersection

Primary Noise Sources: Car traffic on adjacent roadways

Measurement Results

	dBA
Leq	65.9
Lmax	78.0
Lmin	49.0
L5	71.1
L10	69.7
L50	63.2
L90	56.9
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT
 Settings: A-Weighted Other

Measured Difference: 0.04 dBA
 Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
4.2	1.4	65.7	—
Comments: <u>Sunny, clear day with little wind</u>			

Project Number: 2491.0031

Sheet ___ of ___

Project Name: City Walk Master Plan

Test Personnel: _____

Noise Measurement Survey

Site Number: ST-1 Date: 1/31/2020 Time: From 12:13pm To 12:28pm

Site Location:

Southwest corner of Camino Ramon and Executive Parkway intersection. Next to BR 2600 sign. Approx 100 feet to center of roadway

Primary Noise Sources: Car traffic

Measurement Results

	dBA
Leq	70.5
Lmax	93.4
Lmin	51.7
L5	72.3
L10	70.6
L50	63.6
L90	57.0
Ldn	
CNEL	

Observed Noise Sources/Events

Time	Noise Source/Event	dBA

Comments: _____

Equipment: LXT
Settings: A-Weighted Other

Measured Difference: 0.04 dBA
Slow Fast Windscreen

Atmospheric Conditions:

Maximum Wind Velocity (mph)	Average Wind Velocity (mph)	Temperature (F)	Relative Humidity (%)
4.2	1.4	65.7	
Comments: <u>Sunny day with little to no wind!</u>			

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I.2 - Traffic Noise Data

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TABLE-01 Existing Conditions (Year 2019)
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
ROADWAY SEGMENT: Bishop Drive - south of Executive Parkway
NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4200 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	93.8

↑

TABLE Existing Conditions (Year 2019)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
ROADWAY SEGMENT: Executive Parkway - Bishop Drive to Camino Ramon
NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2500 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ----	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	0.0	67.3

↑

TABLE Existing Conditions (Year 2019)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Norris Canyon Road to Executive Parkway

NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13300 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ----	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	72.9	150.1	320.1

↑

TABLE Existing Conditions (Year 2019)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Executive Parkway to Bishop Drive

NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14300 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	NIGHT
---	-----
AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn

 0.0 76.1 157.4 335.9

↑

TABLE Existing Conditions (Year 2019)-05
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Camino Ramon - Bishop Drive to Bollinger Canyon Road
 NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17700 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	86.6	180.9	386.9

↑

TABLE Existing Conditions (Year 2019)-06
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bishop Drive - Sunset Drive to Camino Ramon
 NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5300 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	52.1	109.9



TABLE Existing Conditions (Year 2019)-07
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Sunset Drive - Bishop Drive to The Shops at Bishop Ranch/Bishop Ranch 2
 NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7100 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NIGHT
-----	-------

	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	66.1	134.8

↑

TABLE Existing Conditions (Year 2019)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - The Shops at Bishop Ranch/Bishop Ranch 2 to Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14200 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES	
	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	100.6	211.9

↑

TABLE Existing Conditions (Year 2019)-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Sunset Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38500 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.19

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
80.6	147.4	304.1	648.6

↑

TABLE Existing Conditions (Year 2019)-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Camino Ramon to Bishop Ranch 1 East

NOTES: City Walk Master Plan Project - Existing Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37800 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY NIGHT

--- -----

AUTOS

88.08 9.34

M-TRUCKS

1.65 0.19

H-TRUCKS

0.66 0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

----- ----- ----- -----

79.9 145.8 300.5 640.8

↑

TABLE Existing With Project Conditions (Year 2019)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bishop Drive - south of Executive Parkway

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4600 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	99.7

↑

TABLE Existing With Project Conditions (Year 2019)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Executive Parkway - Bishop Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4300 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS		

1.65 0.19
H-TRUCKS
0.66 0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	95.8

↑

TABLE Existing With Project Conditions (Year 2019)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Norris Canyon Road to Executive Parkway

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16000 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	81.4	169.3	361.8

↑

TABLE Existing With Project Conditions (Year 2019)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Executive Parkway to Bishop Drive

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18000 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	87.5	182.9	391.3

↑

TABLE Existing With Project Conditions (Year 2019)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Camino Ramon - Bishop Drive to Bollinger Canyon Road
 NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 22700 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.21

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	101.1	213.0	456.5



TABLE Existing With Project Conditions (Year 2019)-06
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Bishop Drive - Sunset Drive to Camino Ramon
 NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6300 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.57

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
0.0	0.0	58.2	123.2



TABLE Existing With Project Conditions (Year 2019)-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - Bishop Drive to The Shops at Bishop Ranch/Bishop Ranch 2

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 10700 SPEED (MPH): 30 GRADE: .5

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	84.4	176.0

↑

TABLE Existing With Project Conditions (Year 2019)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - The Shops at Bishop Ranch/Bishop Ranch 2 to
Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17300 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	NIGHT
---	-----
AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn

 0.0 57.0 114.0 241.3

↑

TABLE Existing With Project Conditions (Year 2019)-09
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Bollinger Canyon Road - Sunset Drive to Camino Ramon
 NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 45900 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
87.2	163.9	341.0	728.9

↑

TABLE Existing With Project Conditions (Year 2019)-10
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Camino Ramon to Bishop Ranch 1 East
NOTES: City Walk Master Plan Project - Existing With Project Conditions (Year 2019)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41200 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
83.0	153.6	317.8	678.5

↑

TABLE Future Without Project Conditions (Year 2040)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
ROADWAY SEGMENT: Bishop Drive - south of Executive Parkway
NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5400 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NIGHT
-----	-------

	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	51.7	110.9

↑

TABLE Future Without Project Conditions (Year 2040)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
ROADWAY SEGMENT: Executive Parkway - Bishop Drive to Camino Ramon
NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2700 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES	
	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.89

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	70.7

↑

TABLE Future Without Project Conditions (Year 2040)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Norris Canyon Road to Executive Parkway

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18400 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	88.7	185.5	397.0

↑

TABLE Future Without Project Conditions (Year 2040)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Executive Parkway to Bishop Drive

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21000 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	96.3	202.4	433.5

↑

TABLE Future Without Project Conditions (Year 2040)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Bishop Drive to Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23100 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	102.3	215.4	461.8

↑

TABLE Future Without Project Conditions (Year 2040)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bishop Drive - Sunset Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8900 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	NIGHT
-----	-------

AUTOS	---	-----
	88.08	9.34
M-TRUCKS		
	1.65	0.19
H-TRUCKS		
	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	72.7	154.8



TABLE Future Without Project Conditions (Year 2040)-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - Bishop Drive to The Shops at Bishop Ranch/Bishop Ranch 2

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7500 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	
DAY	NIGHT
---	-----
AUTOS	
88.08	9.34
M-TRUCKS	
1.65	0.19
H-TRUCKS	
0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	68.2	139.6

↑

TABLE Future Without Project Conditions (Year 2040)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - The Shops at Bishop Ranch/Bishop Ranch 2 to
Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year
2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14500 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn

 0.0 0.0 102.0 214.8

↑

TABLE Future Without Project Conditions (Year 2040)-09
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020
 ROADWAY SEGMENT: Bollinger Canyon Road - Sunset Drive to Camino Ramon
 NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38800 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
80.8	148.1	305.7	652.0

↑

TABLE Future Without Project Conditions (Year 2040)-10
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Camino Ramon to Bishop Ranch 1 East

NOTES: City Walk Master Plan Project - Future Without Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 41100 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
82.9	153.3	317.3	677.4



TABLE Future With Project Conditions (Year 2040)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bishop Drive - south of Executive Parkway

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 5800 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	54.2	116.3

↑

TABLE Future With Project Conditions (Year 2040)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Executive Parkway - Bishop Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4500 SPEED (MPH): 30 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES	
	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	0.0	98.7

↑

TABLE Future With Project Conditions (Year 2040)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Norris Canyon Road to Executive Parkway

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 21200 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	96.9	203.6	436.2

↑

TABLE Future With Project Conditions (Year 2040)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Executive Parkway to Bishop Drive

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 24800 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY NIGHT

--- -----

AUTOS

88.08 9.34

M-TRUCKS

1.65 0.19

H-TRUCKS

0.66 0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn 65 Ldn 60 Ldn 55 Ldn

----- ----- ----- -----

0.0 106.9 225.8 484.1

↑

TABLE Future With Project Conditions (Year 2040)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Camino Ramon - Bishop Drive to Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 28100 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
57.8	115.8	245.1	526.0

↑

TABLE Future With Project Conditions (Year 2040)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bishop Drive - Sunset Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9800 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS		

1.65 0.19
 H-TRUCKS
 0.66 0.08

ACTIVE HALF-WIDTH (FT): 12 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	77.4	165.0

↑

TABLE Future With Project Conditions (Year 2040)-07
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - Bishop Drive to The Shops at Bishop Ranch/Bishop Ranch 2

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11100 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	0.0	86.3	180.3

↑

TABLE Future With Project Conditions (Year 2040)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Sunset Drive - The Shops at Bishop Ranch/Bishop Ranch 2 to
Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 17700 SPEED (MPH): 30 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
	---	-----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 24 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
0.0	57.8	115.7	245.0

↑

TABLE Future With Project Conditions (Year 2040)-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Sunset Drive to Camino Ramon

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 46200 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
87.4	164.6	342.5	732.0

↑

TABLE Future With Project Conditions (Year 2040)-10
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/05/2020

ROADWAY SEGMENT: Bollinger Canyon Road - Camino Ramon to Bishop Ranch 1 East

NOTES: City Walk Master Plan Project - Future With Project Conditions (Year 2040)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 44600 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ----	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.83

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
86.0	161.1	334.7	715.1



I.3 - Traffic Noise Data Interstate 680 Only

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TABLE-01 Year 2019 Conditions
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/11/2020

ROADWAY SEGMENT: Interstate 680 - North of Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Year 2019 Conditions

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 173600 SPEED (MPH): 65 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 80.02

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn -----	65 Ldn -----	60 Ldn -----	55 Ldn -----
400.8	858.5	1846.9	3977.2



TABLE Year 2040 Conditions-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 02/11/2020

ROADWAY SEGMENT: Interstate 680 - North of Bollinger Canyon Road

NOTES: City Walk Master Plan Project - Year 2040 Conditions

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 213900 SPEED (MPH): 65 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ----	NIGHT -----
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 48 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 80.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
-----	-----	-----	-----
459.9	986.3	2122.5	4570.9

