

**Appendix G:  
Noise Supporting Information**

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - north of Westborouh Boulevard  
NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 169400      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 85.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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995.2	2141.6	4612.1	9934.1

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - Westborouh Boulevard to Sneath Lane  
NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 175900      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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1020.4	2196.0	4729.3	10186.6

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-380 - I-280 to US 101  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 104700      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 83.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
722.8	1554.3	3346.7	7208.2

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: US 101 - I-380 to Oyster Point Boulevard  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 181900      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

ACTIVE HALF-WIDTH (FT): 60      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 85.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1043.1	2244.0	4832.1	10407.8

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

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Lawndale Boulevard to Chestnut Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21100      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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66.8	139.8	299.1	643.4

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Hillside Boulevard - Chestnut Avenue to Sister Cities Boulevard  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20800      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
68.1	139.3	296.5	637.1



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

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Sister Cities Boulevard to School Street

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 5800      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	61.3	127.5	272.5

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

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - Hillside Boulevard to San Francisco Drive

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19900      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.20

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
66.3	135.4	288.0	618.6

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

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - San Francisco Drive to Airport  
Boulevard

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21500      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.53

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
69.4	142.3	303.1	651.3

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

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - north of Hickey Boulevard  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 14100      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	107.5	229.0	492.0

TABLE Existing (Year 2019)-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Hickey Boulevard to McLellan Drive

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33300      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.4	155.8	332.5	714.8

TABLE Existing (Year 2019)-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - McLellan Drive to Arroyo Drive  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21900      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
59.1	118.9	252.0	540.8

TABLE Existing (Year 2019)-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Arroyo Drive to Westborough Boulevard

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18800      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 66.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	111.1	229.2	488.9

TABLE Existing (Year 2019)-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Westborough Boulevard to West Orange Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 35000      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
82.1	163.0	344.4	738.6



TABLE Existing (Year 2019)-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - West Orange Avenue to South Spruce Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30500      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
68.6	145.9	313.4	674.7

TABLE Existing (Year 2019)-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - South Spruce Avenue to Noor Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36100      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
83.5	166.3	351.5	753.9

TABLE Existing (Year 2019)-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - Noor Avenue to Sneath Lane  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 35300      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.39

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.1	161.9	345.6	743.1

TABLE Existing (Year 2019)-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - Sneath Lane to I-380  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45100      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
90.7	190.0	406.7	874.8

TABLE Existing (Year 2019)-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Willow Avenue to Chestnut Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	59.6	127.8

TABLE Existing (Year 2019)-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Chestnut Avenue to Eucalyptus Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7700      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	52.6	112.7

TABLE Existing (Year 2019)-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Eucalyptus Avenue to Orange Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	55.3	118.5

TABLE Existing (Year 2019)-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Orange Avenue to Magnolia Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7900      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	53.5	114.7



TABLE Existing (Year 2019)-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Grand Avenue - Magnolia Avenue to Spruce Avenue  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7100      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.24

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	106.8

TABLE Existing (Year 2019)-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Spruce Avenue to Maple Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6500      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

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\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	100.8

TABLE Existing (Year 2019)-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Maple Avenue to Linden Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7000      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	105.8

TABLE Existing (Year 2019)-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Linden Avenue to Airport Boulevard

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7000      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	105.8

TABLE Existing (Year 2019)-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - Callan Drive to Galway Place

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21700      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.28

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
58.8	118.2	250.4	537.5

TABLE Existing (Year 2019)-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Westborough Boulevard - Galway Place to I-280  
NOTES: South San Francisco GP Update - Existing (Year 2019)

---

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31100      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.4	149.1	317.8	683.0

---

TABLE Existing (Year 2019)-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - I-280 to El Camino Real

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 29400      SPEED (MPH): 45      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.48

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
97.6	207.5	445.6	959.3

TABLE Existing (Year 2019)-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - El Camino Real to Mission Road

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26200      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.10

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
65.5	133.4	283.7	609.3



TABLE Existing (Year 2019)-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Mission Road to Commercial Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 20500      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.50

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	90.0	192.5	414.0

TABLE Existing (Year 2019)-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Chestnut Avenue - Commercial Avenue to Grand Avenue  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8600      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	50.4	107.9	232.2

TABLE Existing (Year 2019)-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Grand Avenue to Hillside Boulevard

NOTES: South San Francisco GP Update - Existing (Year 2019)

---

\* \* ASSUMPTIONS \* \*

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

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	98.5	212.0

TABLE Existing (Year 2019)-34  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: South Spruce Avenue - El Camino Real to Huntington Avenue  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	57.3	114.6	242.5

TABLE Existing (Year 2019)-35  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Huntington Avenue to Myrtle Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 17900      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	61.4	124.1	263.4

TABLE Existing (Year 2019)-36  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: South Spruce Avenue - Myrtle Avenue to North Canal Street  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11600      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.72

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	94.3	197.9

TABLE Existing (Year 2019)-37  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: South Spruce Avenue - North Canal Street to Railroad Avenue  
NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9500      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	81.9	173.0

TABLE Existing (Year 2019)-38  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Railroad Avenue to Grand Avenue

NOTES: South San Francisco GP Update - Existing (Year 2019)

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6600      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.92

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	101.8



TABLE Existing (Year 2019)-39  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Grand Avenue to Hillside Boulevard

NOTES: South San Francisco GP Update - Existing (Year 2019)

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3200      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.78

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	63.0

TABLE Year 2040 No Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - north of Westborouh Boulevard  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 191300      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.52

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1079.0	2322.3	5001.5	10772.7

---

TABLE Year 2040 No Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - Westborouh Boulevard to Sneath Lane  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 203900      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1125.8	2423.2	5218.7	11240.7

---

TABLE Year 2040 No Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-380 - I-280 to US 101  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 102200      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 83.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
711.3	1529.5	3293.2	7093.0

---

TABLE Year 2040 No Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: US 101 - I-380 to Oyster Point Boulevard  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 192500      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

ACTIVE HALF-WIDTH (FT): 60      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1083.1	2330.2	5018.0	10808.3

---

TABLE Year 2040 No Project-05  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
 ROADWAY SEGMENT: Hillside Boulevard - Lawndale Boulevard to Chestnut Avenue  
 NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24100      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.6	152.5	326.7	703.0

TABLE Year 2040 No Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Chestnut Avenue to Sister Cities Boulevard

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24400      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.8	154.5	329.6	708.5

TABLE Year 2040 No Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Sister Cities Boulevard to School Street

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8500      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	77.7	163.9	351.3



TABLE Year 2040 No Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - Hillside Boulevard to San Francisco Drive

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23300      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.8	149.9	319.7	687.1

TABLE Year 2040 No Project-09  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - San Francisco Drive to Airport Boulevard

NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25700      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.31

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
77.2	159.8	341.2	733.5

TABLE Year 2040 No Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - north of Hickey Boulevard  
NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22500      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.16

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
69.5	145.8	312.2	671.5

TABLE Year 2040 No Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Hickey Boulevard to McLellan Drive

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41900      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.14

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
86.7	181.0	387.3	833.0

TABLE Year 2040 No Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - McLellan Drive to Arroyo Drive

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 33400      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.15

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
75.5	156.1	333.2	716.2

TABLE Year 2040 No Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Arroyo Drive to Westborough Boulevard

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30500      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.4	149.5	314.5	674.0

TABLE Year 2040 No Project-14  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Westborough Boulevard to West Orange Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45400      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
94.9	192.5	408.9	878.2

TABLE Year 2040 No Project-15  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
 ROADWAY SEGMENT: El Camino Real - West Orange Avenue to South Spruce Avenue  
 NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43000      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.17

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
85.7	183.2	393.9	848.2



TABLE Year 2040 No Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - South Spruce Avenue to Noor Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42300      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.46

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.2	184.0	390.2	837.8

TABLE Year 2040 No Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Noor Avenue to Sneath Lane

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 41800      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.13

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
86.6	180.8	386.7	831.6

TABLE Year 2040 No Project-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - Sneath Lane to I-380  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 46700      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.61

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.7	194.4	416.2	895.4

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TABLE Year 2040 No Project-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Grand Avenue - Willow Avenue to Chestnut Avenue  
NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	67.8	145.5

TABLE Year 2040 No Project-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Chestnut Avenue to Eucalyptus Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	67.8	145.5

TABLE Year 2040 No Project-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Eucalyptus Avenue to Orange Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	63.7	136.8

TABLE Year 2040 No Project-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Grand Avenue - Orange Avenue to Magnolia Avenue  
NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9600      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	60.8	130.6

TABLE Year 2040 No Project-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Magnolia Avenue to Spruce Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9000      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.27

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	58.3	125.1



TABLE Year 2040 No Project-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Spruce Avenue to Maple Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8400      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	55.7	119.5

TABLE Year 2040 No Project-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Maple Avenue to Linden Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8900      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	57.9	124.1

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TABLE Year 2040 No Project-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Linden Avenue to Airport Boulevard

NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8900      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.22

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	57.9	124.1

TABLE Year 2040 No Project-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - Callan Drive to Galway Place

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24900      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.88

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.6	129.1	274.3	589.0

TABLE Year 2040 No Project-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Westborough Boulevard - Galway Place to I-280  
NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 30800      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.80

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.0	148.1	315.8	678.6

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TABLE Year 2040 No Project-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - I-280 to El Camino Real

NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32100      SPEED (MPH): 45      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
103.3	219.9	472.5	1017.1

TABLE Year 2040 No Project-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Chestnut Avenue - El Camino Real to Mission Road  
NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 32700      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
74.6	154.0	328.5	706.2

TABLE Year 2040 No Project-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Mission Road to Commercial Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

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

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	104.7	224.3	482.5



TABLE Year 2040 No Project-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Commercial Avenue to Grand Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8600      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	50.4	107.9	232.2

TABLE Year 2040 No Project-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: Chestnut Avenue - Grand Avenue to Hillside Boulevard  
NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9100      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	52.3	112.0	241.1

TABLE Year 2040 No Project-34  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
 ROADWAY SEGMENT: South Spruce Avenue - El Camino Real to Huntington Avenue  
 NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19600      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	64.7	131.6	279.6

TABLE Year 2040 No Project-35  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Huntington Avenue to Myrtle Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 19800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.05

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	65.0	132.4	281.5

TABLE Year 2040 No Project-36  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
 ROADWAY SEGMENT: South Spruce Avenue - Myrtle Avenue to North Canal Street  
 NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13900      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	105.6	222.9

TABLE Year 2040 No Project-37  
 FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
 ROADWAY SEGMENT: South Spruce Avenue - North Canal Street to Railroad Avenue  
 NOTES: South San Francisco GP Update - Year 2040 No Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13600      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	103.0	219.3

TABLE Year 2040 No Project-38  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Railroad Avenue to Grand Avenue

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 8000      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	54.0	115.6

TABLE Year 2040 No Project-39  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Grand Avenue to Hillside Boulevard

NOTES: South San Francisco GP Update - Year 2040 No Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 4500      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.26

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	78.9



TABLE Year 2040 With Project-01  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - north of Westborouh Boulevard  
NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 196500      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1098.4	2364.2	5091.7	10967.1

TABLE Year 2040 With Project-02  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-280 - Westborouh Boulevard to Sneath Lane  
NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 225300      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 87.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1203.1	2589.8	5577.7	12014.0

---

TABLE Year 2040 With Project-03  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: I-380 - I-280 to US 101  
NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 108900      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 84.07

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
742.0	1595.5	3435.6	7399.7

TABLE Year 2040 With Project-04  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: US 101 - I-380 to Oyster Point Boulevard  
NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 205300      SPEED (MPH): 65      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	69.50	12.90	9.60
M-TRUCKS	1.44	0.06	1.50
H-TRUCKS	2.40	0.10	2.50

ACTIVE HALF-WIDTH (FT): 60      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 86.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
1130.5	2432.4	5238.1	11282.2

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TABLE Year 2040 With Project-05  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Lawndale Boulevard to Chestnut Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26200      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.82

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
76.5	161.1	345.4	743.2

TABLE Year 2040 With Project-06  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Chestnut Avenue to Sister Cities Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 26300      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.41

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
78.3	162.2	346.4	744.8

TABLE Year 2040 With Project-07  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Hillside Boulevard - Sister Cities Boulevard to School Street

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 6300      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	64.5	134.6	287.9

TABLE Year 2040 With Project-08  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - Hillside Boulevard to San Francisco Drive

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22400      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.71

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.1	146.1	311.5	669.3



TABLE Year 2040 With Project-09  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Sister Cities Boulevard - San Francisco Drive to Airport  
Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 22800      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.79

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
71.8	147.8	315.1	677.3

TABLE Year 2040 With Project-10  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - north of Hickey Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 23800      SPEED (MPH): 40      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.40

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
72.0	151.3	324.0	697.1

TABLE Year 2040 With Project-11  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Hickey Boulevard to McLellan Drive

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 38900      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.81

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
82.8	172.5	368.6	792.7

TABLE Year 2040 With Project-12  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - McLellan Drive to Arroyo Drive  
NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 36100      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
79.2	164.2	350.8	754.3

TABLE Year 2040 With Project-13  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Arroyo Drive to Westborough Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 34300      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
81.2	160.9	339.8	728.7

TABLE Year 2040 With Project-14  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Westborough Boulevard to West Orange Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 43700      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.60

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
92.8	187.8	398.7	856.1

TABLE Year 2040 With Project-15  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - West Orange Avenue to South Spruce Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 45000      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 72.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
88.3	188.8	406.0	874.3

TABLE Year 2040 With Project-16  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - South Spruce Avenue to Noor Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 42800      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 36      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
91.8	185.3	393.3	844.4



TABLE Year 2040 With Project-17  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: El Camino Real - Noor Avenue to Sneath Lane

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 39700      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
83.9	174.8	373.7	803.6

TABLE Year 2040 With Project-18  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: El Camino Real - Sneath Lane to I-380  
NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 48500      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
94.9	199.3	426.8	918.2

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TABLE Year 2040 With Project-19  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Willow Avenue to Chestnut Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 15000      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.49

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	81.7	175.7

TABLE Year 2040 With Project-20  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Chestnut Avenue to Eucalyptus Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 12500      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	72.4	155.6

TABLE Year 2040 With Project-21  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Eucalyptus Avenue to Orange Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9600      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	60.8	130.6

TABLE Year 2040 With Project-22  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Orange Avenue to Magnolia Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9900      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	62.1	133.3

TABLE Year 2040 With Project-23  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Magnolia Avenue to Spruce Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9600      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	60.8	130.6

TABLE Year 2040 With Project-24  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Spruce Avenue to Maple Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9100      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	58.7	126.0



TABLE Year 2040 With Project-25  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Maple Avenue to Linden Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	63.7	136.8

TABLE Year 2040 With Project-26  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Grand Avenue - Linden Avenue to Airport Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 13200      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	75.1	161.4

TABLE Year 2040 With Project-27  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - Callan Drive to Galway Place

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 28300      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.43

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
68.5	140.2	298.5	641.4

TABLE Year 2040 With Project-28  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - Galway Place to I-280

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 31900      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.95

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
73.5	151.5	323.2	694.6

TABLE Year 2040 With Project-29  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Westborough Boulevard - I-280 to El Camino Real

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 25700      SPEED (MPH): 45      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 71.90

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
89.6	189.8	407.5	877.0

TABLE Year 2040 With Project-30  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - El Camino Real to Mission Road

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24800      SPEED (MPH): 35      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
63.4	128.8	273.5	587.4

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TABLE Year 2040 With Project-31  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Mission Road to Commercial Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 24800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.32

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	102.0	218.5	470.0

TABLE Year 2040 With Project-32  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Commercial Avenue to Grand Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 11800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.68

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	62.1	133.2	286.6



TABLE Year 2040 With Project-33  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: Chestnut Avenue - Grand Avenue to Hillside Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 9300      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	73.60	13.60	10.22
M-TRUCKS	0.90	0.04	0.90
H-TRUCKS	0.35	0.04	0.35

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.64

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	53.0	113.7	244.6

TABLE Year 2040 With Project-34  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: South Spruce Avenue - El Camino Real to Huntington Avenue  
NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 21000      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 64.30

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	67.3	137.5	292.7

TABLE Year 2040 With Project-35  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Huntington Avenue to Myrtle Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 18100      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.66

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	61.8	125.0	265.3

TABLE Year 2040 With Project-36  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022  
ROADWAY SEGMENT: South Spruce Avenue - Myrtle Avenue to North Canal Street  
NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

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

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.69

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	108.5	229.2

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TABLE Year 2040 With Project-37  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - North Canal Street to Railroad Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 10800      SPEED (MPH): 30      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 18      SITE CHARACTERISTICS: SOFT

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.84

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	88.8	188.3

TABLE Year 2040 With Project-38  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Railroad Avenue to Grand Avenue

NOTES: South San Francisco GP Update - Year 2040 With Project

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\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 7900      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

---

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	53.5	114.7

TABLE Year 2040 With Project-39  
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 03/04/2022

ROADWAY SEGMENT: South Spruce Avenue - Grand Avenue to Hillside Boulevard

NOTES: South San Francisco GP Update - Year 2040 With Project

\* \* ASSUMPTIONS \* \*

AVERAGE DAILY TRAFFIC: 3300      SPEED (MPH): 25      GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
	---	-----	-----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

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

\* \* CALCULATED NOISE LEVELS \* \*

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.91

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
-----	-----	-----	-----
0.0	0.0	0.0	64.3

